

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011819\
 Data File : VV009226.D
 Acq On : 18 Jan 2019 17:49
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:45:42 AM

Quant Time: Jan 19 03:23:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 19 02:50:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	93454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	163727	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.90	117	156432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	80932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	195483	156.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.88%	
35) Dibromofluoromethane	4.64	113	169614	157.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.62%	
50) Toluene-d8	7.36	98	640811	157.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.96%	
62) 4-Bromofluorobenzene	10.12	95	253865	160.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	106464	147.523	ug/l	98
3) Chloromethane	1.25	50	162475	158.765	ug/l	99
4) Vinyl Chloride	1.33	62	153020	152.148	ug/l	100
5) Bromomethane	1.53	94	98937	150.416	ug/l	98
6) Chloroethane	1.60	64	93742	149.289	ug/l	99
7) Trichlorofluoromethane	1.76	101	87932	150.308	ug/l	99
8) Diethyl Ether	1.96	74	77972	159.619	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.14	101	131395	144.613	ug/l	97
10) Methyl Iodide	2.26	142	232456	158.686	ug/l	99
11) Tert butyl alcohol	2.66	59	55104	760.656	ug/l	98
12) 1,1-Dichloroethene	2.14	96	138032	157.766	ug/l	96
13) Acrolein	2.05	56	48425	814.606	ug/l	100
14) Allyl chloride	2.42	41	242185	153.459	ug/l	98
15) Acrylonitrile	2.76	53	171126	835.165	ug/l	99
16) Acetone	2.17	43	194801	757.211	ug/l	98
17) Carbon Disulfide	2.32	76	419308	154.764	ug/l	100
18) Methyl Acetate	2.45	43	111153	164.504	ug/l	98
19) Methyl tert-butyl Ether	2.80	73	219581	153.536	ug/l	99
20) Methylene Chloride	2.53	84	149136	149.439	ug/l	97
21) trans-1,2-Dichloroethene	2.78	96	148265	153.583	ug/l	100
22) Diisopropyl ether	3.32	45	567083	157.813	ug/l	92
23) Vinyl Acetate	3.30	43	1644007	841.008	ug/l	98
24) 1,1-Dichloroethane	3.22	63	331096	156.564	ug/l	100
25) 2-Butanone	4.01	43	280943	870.430	ug/l	99
26) 2,2-Dichloropropane	3.95	77	187259	158.691	ug/l	100
27) cis-1,2-Dichloroethene	3.95	96	197490	159.747	ug/l	98
28) Bromochloromethane	4.29	49	145120	163.373	ug/l	98
29) Tetrahydrofuran	4.38	42	167768	868.064	ug/l	99
30) Chloroform	4.42	83	350510	157.278	ug/l	100
31) Cyclohexane	4.72	56	267168	148.022	ug/l	95
32) 1,1,1-Trichloroethane	4.65	97	272554	150.839	ug/l	99
36) 1,1-Dichloropropene	4.87	75	249625	156.173	ug/l	100
37) Ethyl Acetate	4.12	43	116427	172.292	ug/l	98
38) Carbon Tetrachloride	4.87	117	255255	156.675	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	297491	154.864	ug/l	96
40) Benzene	5.14	78	731220	157.253	ug/l	98
41) Methacrylonitrile	4.30	41	70804	178.725	ug/l	95
42) 1,2-Dichloroethane	5.17	62	246225	157.946	ug/l	100
43) Isopropyl Acetate	5.32	43	235072	177.695	ug/l	99
44) Trichloroethene	5.96	130	188278	161.037	ug/l	99
45) 1,2-Dichloropropane	6.22	63	184137	158.637	ug/l	98
46) Dibromomethane	6.35	93	101157	165.011	ug/l	99
47) Bromodichloromethane	6.55	83	265848	163.365	ug/l	98
48) Methyl methacrylate	6.41	41	119166	171.660	ug/l	96
49) 1,4-Dioxane	6.41	88	28488	3456.140	ug/l	98
51) 4-Methyl-2-Pentanone	7.27	43	588520	850.763	ug/l	98
52) Toluene	7.43	92	461749	156.630	ug/l	99
53) t-1,3-Dichloropropene	7.69	75	274951	172.287	ug/l	99
54) cis-1,3-Dichloropropene	7.07	75	306248	166.112	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	137017	166.944	ug/l	97
56) Ethyl methacrylate	7.83	69	184971	179.307	ug/l	99
57) 1,3-Dichloropropane	8.05	76	254870	164.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.93	63	27105	2924.100	ug/l #	85
59) 2-Hexanone	8.18	43	426852	860.729	ug/l	98
60) Dibromochloromethane	8.29	129	173238	171.421	ug/l	100
61) 1,2-Dibromoethane	8.40	107	138957	169.401	ug/l	100
64) Tetrachloroethene	8.02	164	150025	154.631	ug/l	99
65) Chlorobenzene	8.92	112	512170	155.574	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	187557	160.426	ug/l	99
67) Ethyl Benzene	9.05	91	921618	155.252	ug/l	100
68) m/p-Xylenes	9.18	106	693404	313.070	ug/l	98
69) o-Xylene	9.59	106	335436	157.835	ug/l	100
70) Styrene	9.60	104	559100	160.389	ug/l	99
71) Bromoform	9.77	173	98789	174.576	ug/l #	100
73) Isopropylbenzene	9.97	105	919820	152.717	ug/l	100
74) N-amyl acetate	9.84	43	222972	174.181	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	168746	157.418	ug/l	98
76) 1,2,3-Trichloropropane	10.32	75	130565m	161.416	ug/l	
77) Bromobenzene	10.26	156	206006	156.632	ug/l	100
78) n-propylbenzene	10.40	91	1090502	151.597	ug/l	98
79) 2-Chlorotoluene	10.47	91	658525	153.360	ug/l	100
80) 1,3,5-Trimethylbenzene	10.59	105	784056	153.028	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	53672	174.385	ug/l	97
82) 4-Chlorotoluene	10.59	91	780622	150.945	ug/l	99
83) tert-Butylbenzene	10.91	119	750319	154.565	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	807527	154.137	ug/l	100
85) sec-Butylbenzene	11.13	105	956069	153.247	ug/l	100
86) p-Isopropyltoluene	11.29	119	850702	153.406	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	416248	156.468	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	417411	155.491	ug/l	99
89) n-Butylbenzene	11.70	91	833417	153.106	ug/l	98
90) Hexachloroethane	11.95	117	164252	161.495	ug/l	100
91) 1,2-Dichlorobenzene	11.69	146	373359	156.069	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	30712	163.526	ug/l	93

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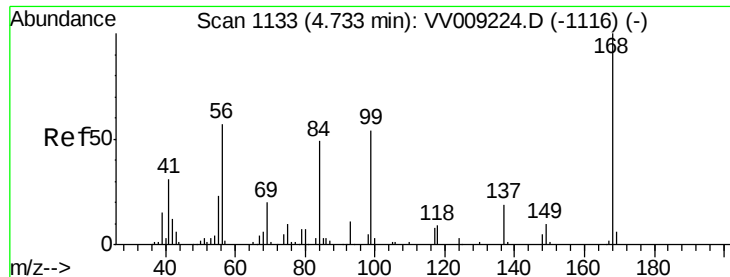
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	263488	165.552	ug/l	99
94) Hexachlorobutadiene	13.49	225	143334	157.307	ug/l	99
95) Naphthalene	13.55	128	499397	174.175	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	225260	160.560	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. -0.00 min

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Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 93454

Ion Ratio Lower Upper

168 100

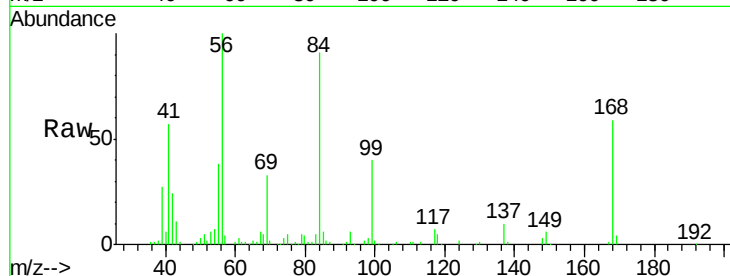
99 66.5 54.7 82.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VV009226.D (-1040) (-)

Ion 98.90 (98.60 to 99.60): VV009226.D (-1040) (-)

80000

60000

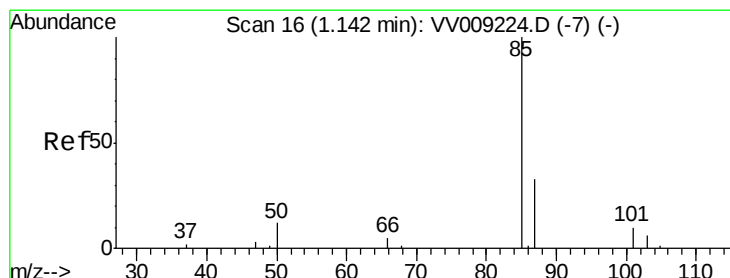
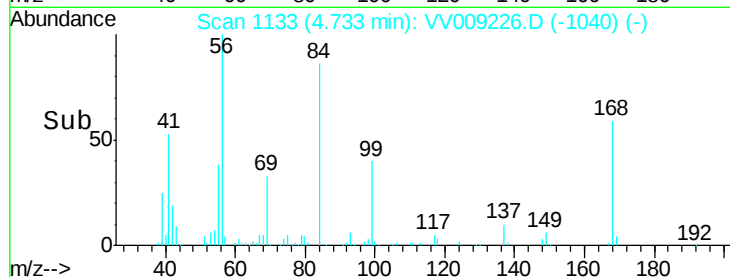
40000

20000

0

4.60 4.70 4.80 4.90

Time-->



#2

Dichlorodifluoromethane

Concen: 147.523 ug/l

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV009226.D

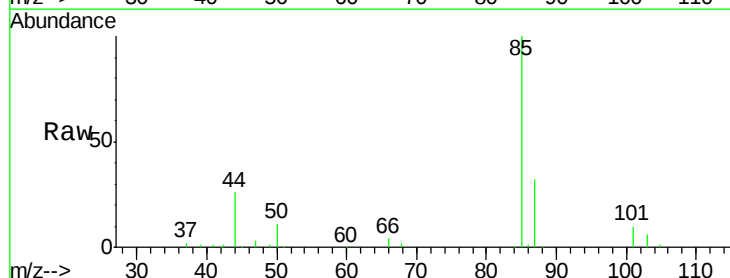
Acq: 18 Jan 2019 17:49

Tgt Ion: 85 Resp: 106464

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VV009226.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VV009226.D (-1) (-)

40000

30000

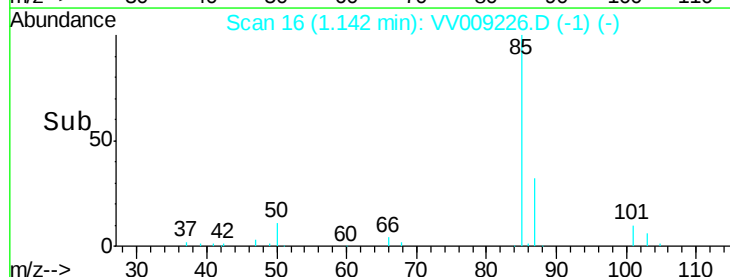
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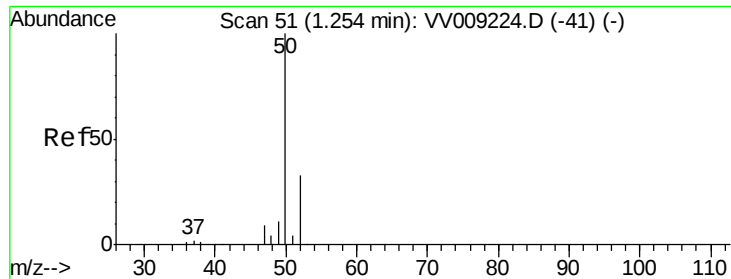
10000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 158.765 ug/l

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

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ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 162475

Ion Ratio Lower Upper

50 100

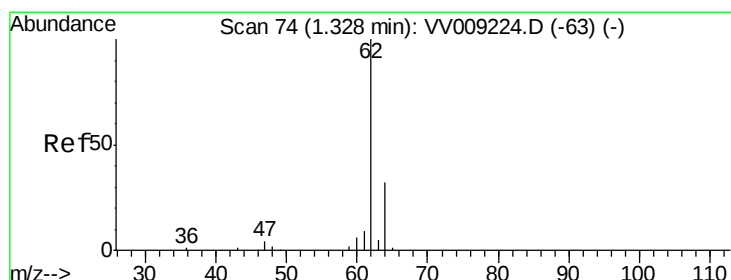
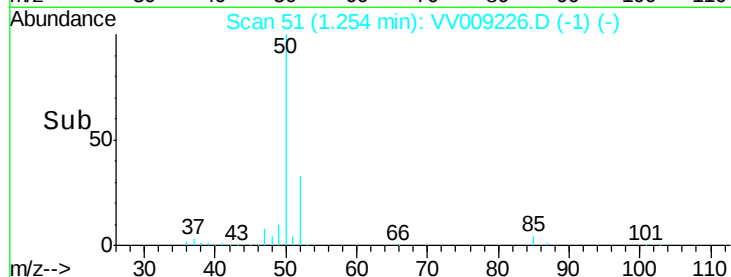
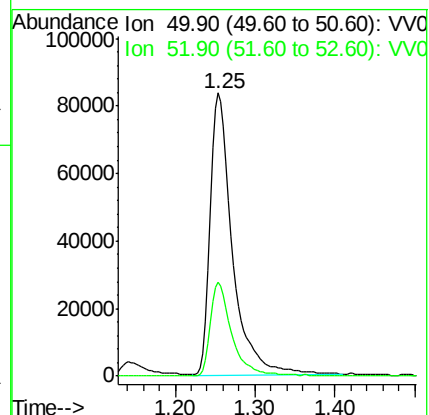
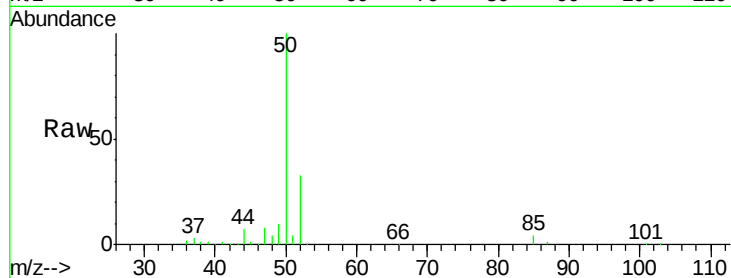
52 33.4 26.1 39.1

Manual Integrations

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1/21/2019 10:45:42 AM



#4

Vinyl Chloride

Concen: 152.148 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VV009226.D

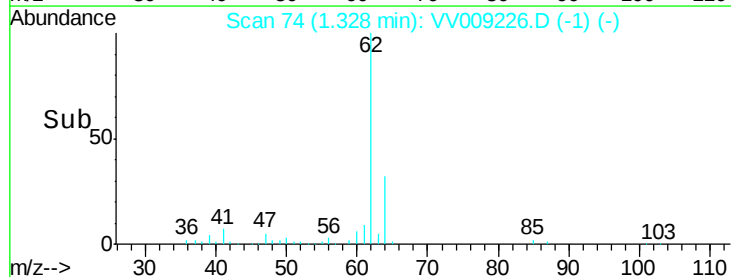
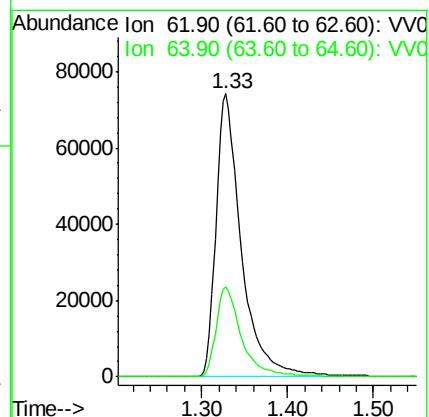
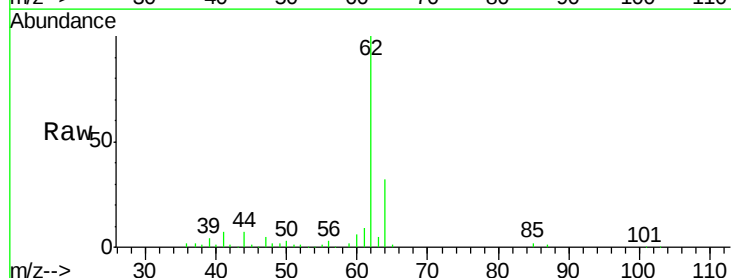
Acq: 18 Jan 2019 17:49

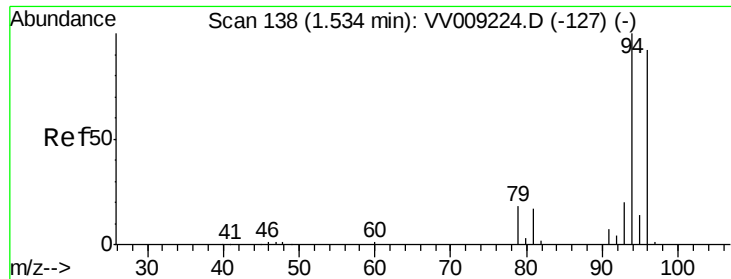
Tgt Ion: 62 Resp: 153020

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





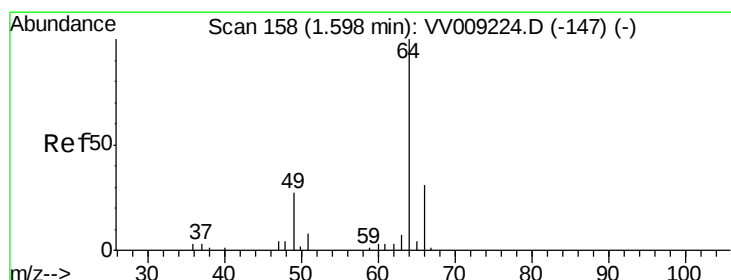
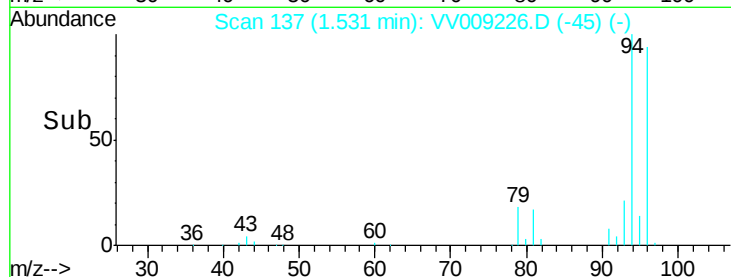
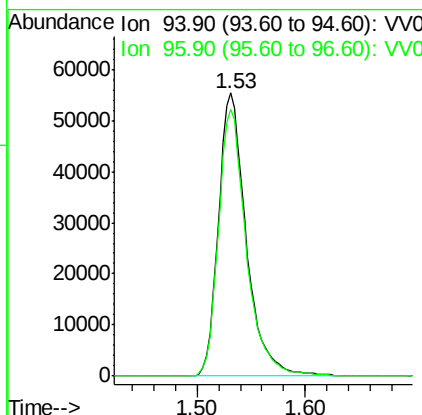
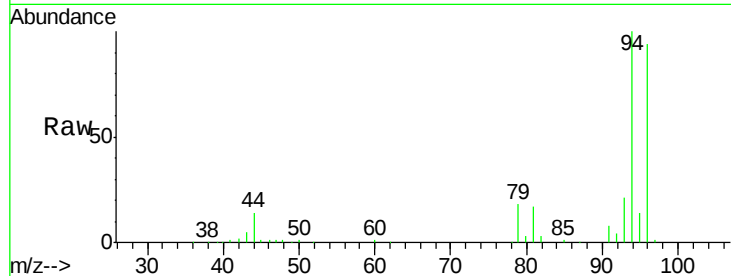
#5
Bromomethane
Concen: 150.416 ug/l
RT: 1.53 min Scan# 137
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
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Tot Ion: 94 Resp: 98937
Ion Ratio Lower Upper
94 100
96 94.1 73.9 110.9

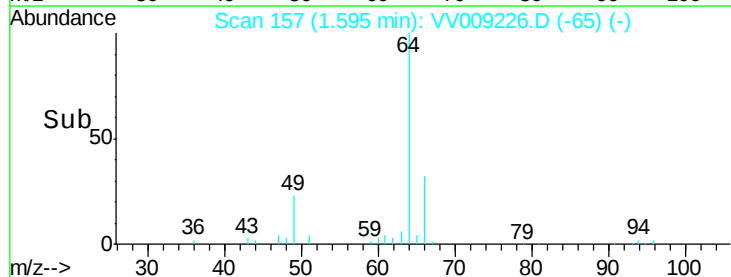
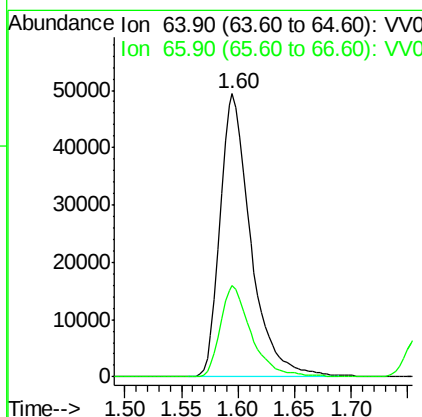
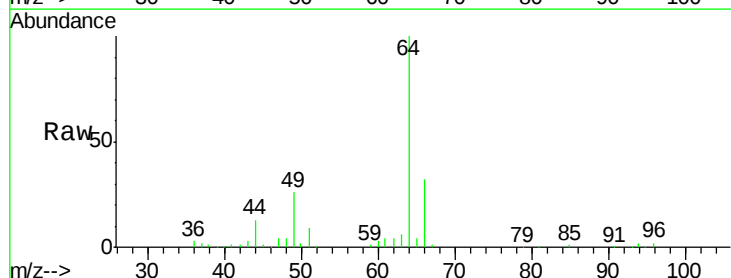
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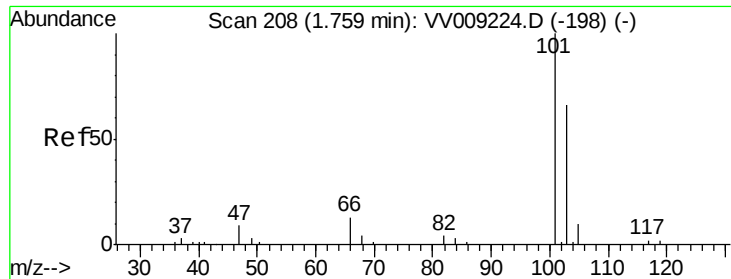
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#6
Chloroethane
Concen: 149.289 ug/l
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 64 Resp: 93742
Ion Ratio Lower Upper
64 100
66 32.1 25.1 37.7





#7

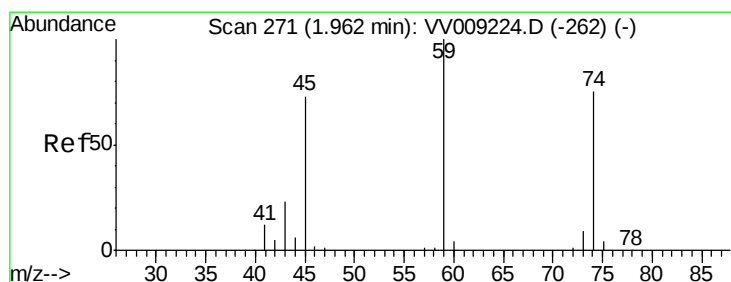
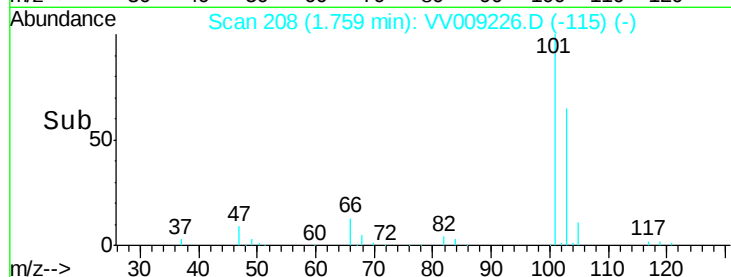
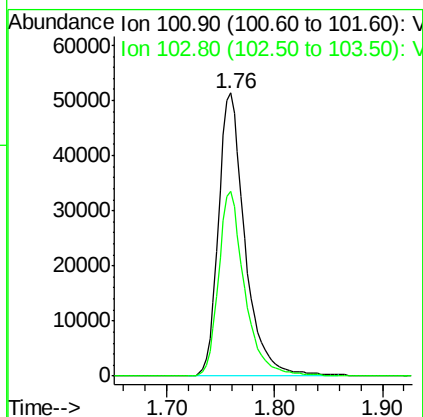
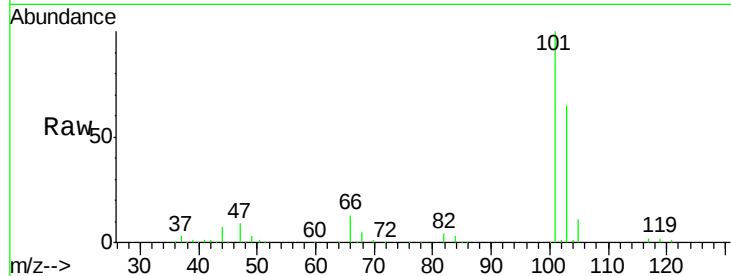
Trichlorofluoromethane
Concen: 150.308 ug/l
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

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VSTDIC150

Tot Ion:101 Resp: 87932
Ion Ratio Lower Upper
101 100
103 65.2 52.6 79.0

Manual Integrations
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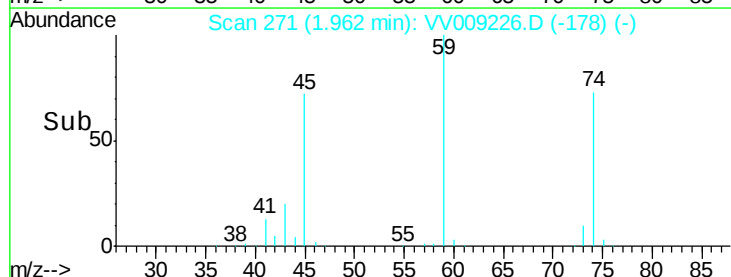
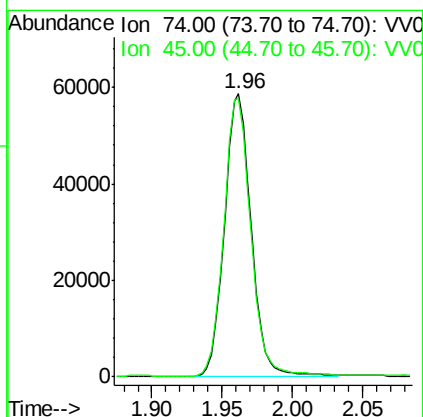
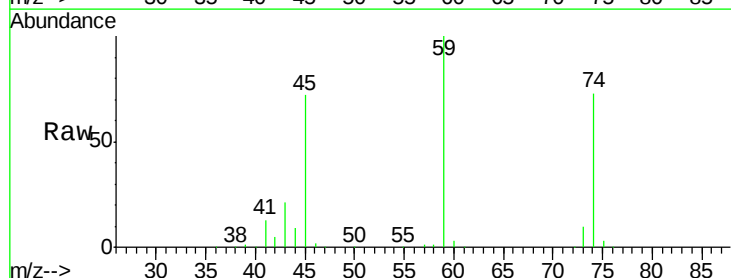
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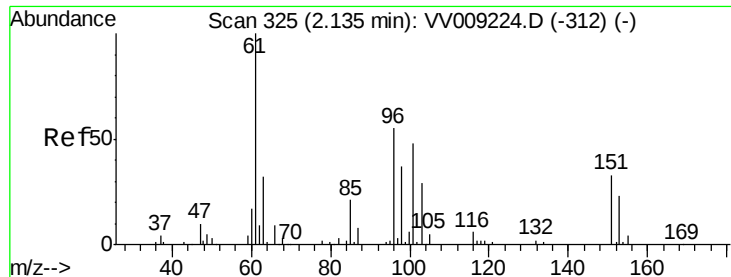


#8

Diethyl Ether
Concen: 159.619 ug/l
RT: 1.96 min Scan# 271
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 74 Resp: 77972
Ion Ratio Lower Upper
74 100
45 100.0 49.4 148.2





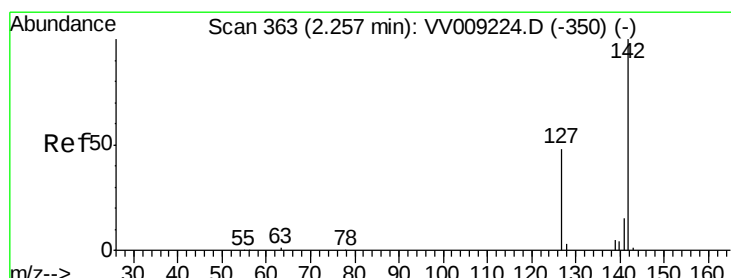
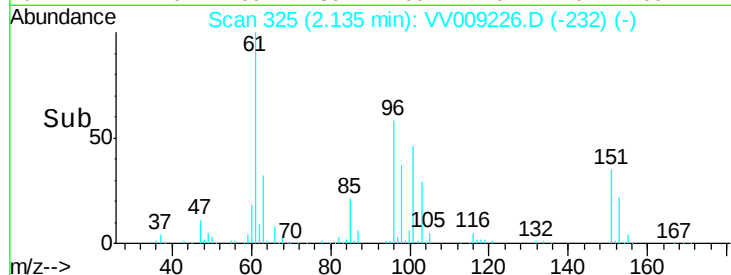
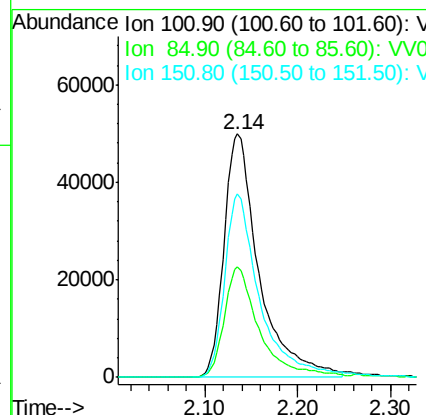
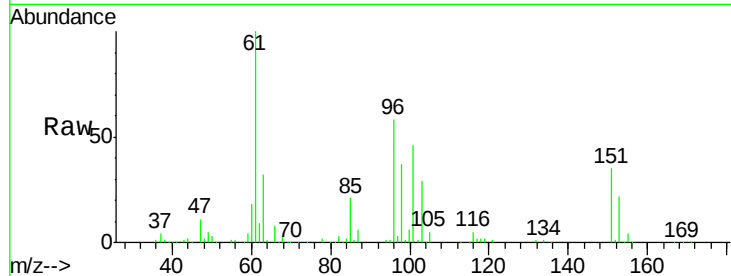
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 144.613 ug/l
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	131395		
85	45.4	36.2	54.4	
151	76.2	57.9	86.9	

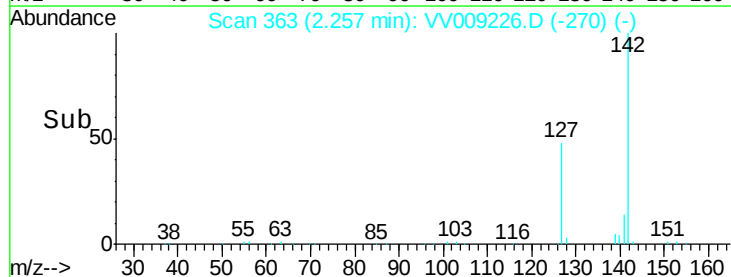
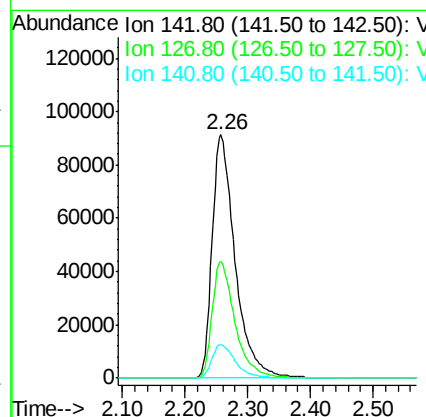
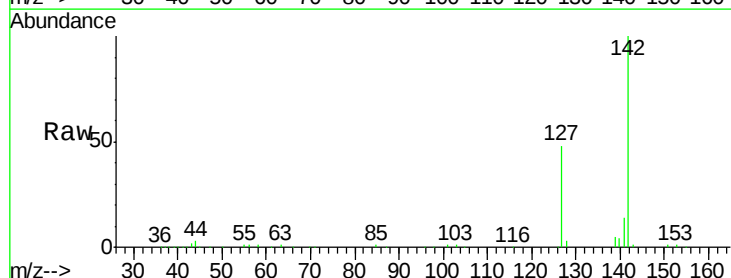
Manual Integrations
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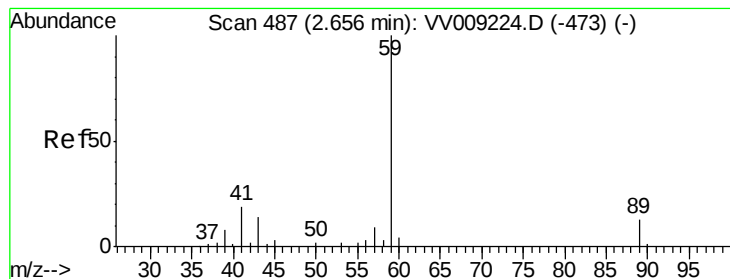
MMDadoda
 1/21/2019 10:45:42 AM



#10
 Methyl Iodide
 Concen: 158.686 ug/l
 RT: 2.26 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	232456		
127	47.8	39.0	58.4	
141	14.1	11.4	17.0	





#11

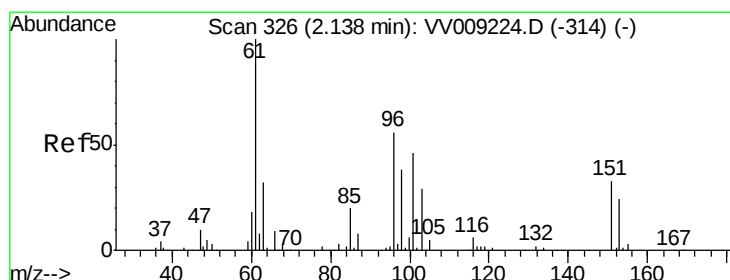
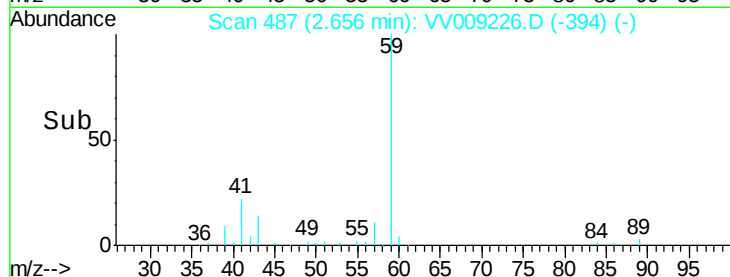
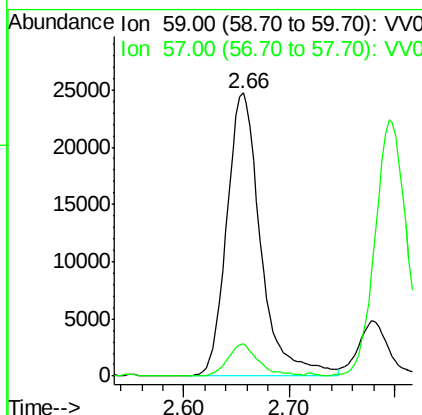
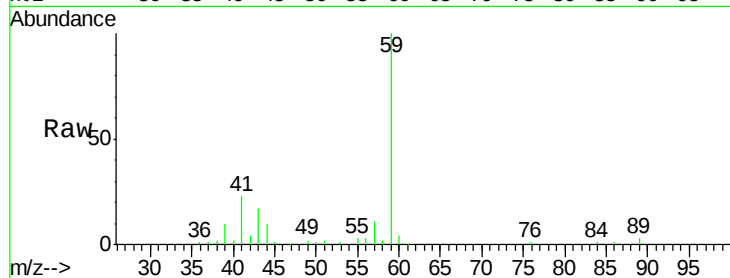
Tert butyl alcohol
Concen: 760.656 ug/l
RT: 2.66 min Scan# 487
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.5	11.3

Manual Integrations
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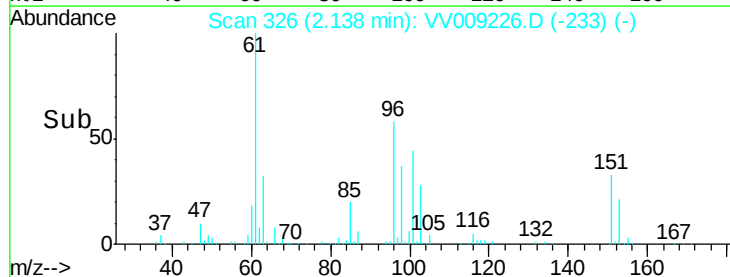
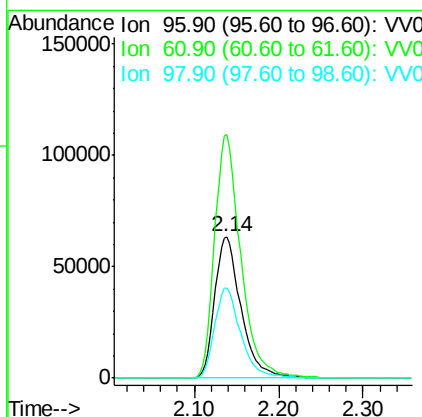
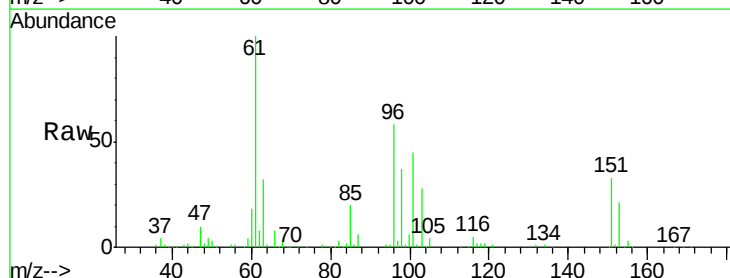
MMDadoda
1/21/2019 10:45:42 AM

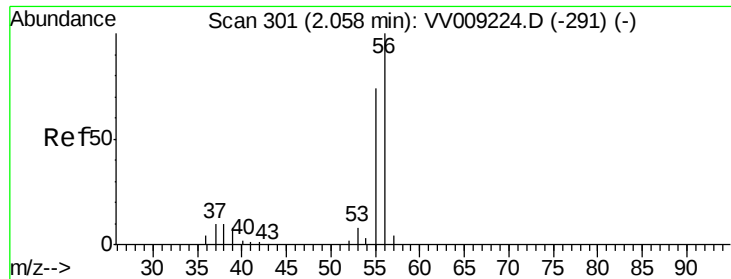


#12

1,1-Dichloroethene
Concen: 157.766 ug/l
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.3	141.9	212.9
98	64.0	53.3	79.9





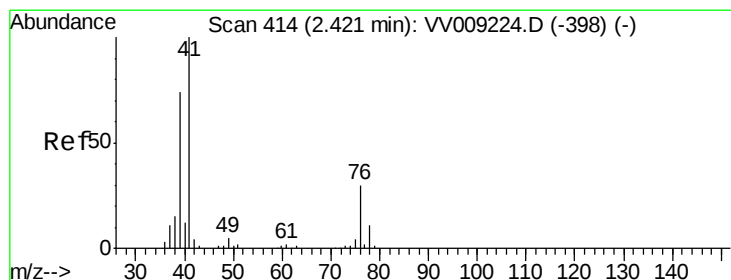
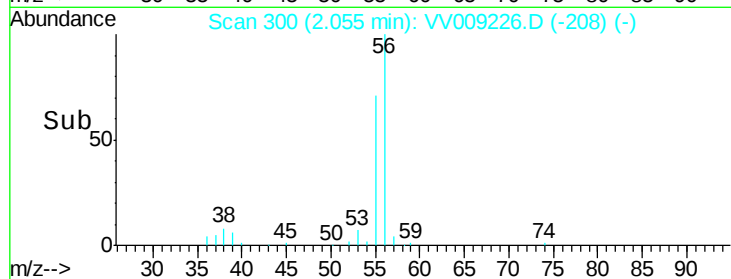
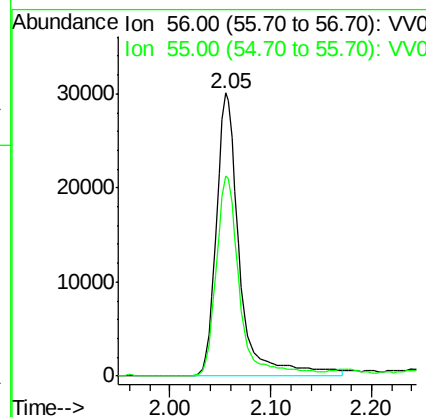
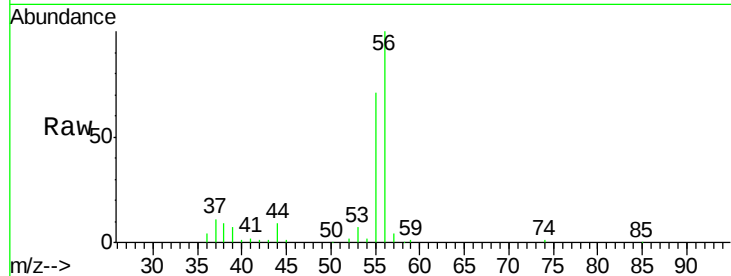
#13
Acrolein
Concen: 814.606 ug/l
RT: 2.05 min Scan# 300
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC150

Tot Ion	56	Resp	48425
Ion Ratio	100	Lower	Upper
56	100		
55	69.8	56.0	84.0

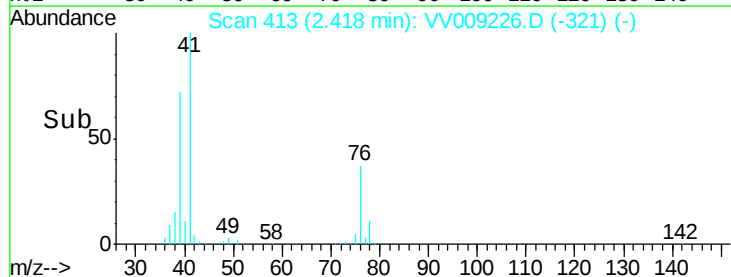
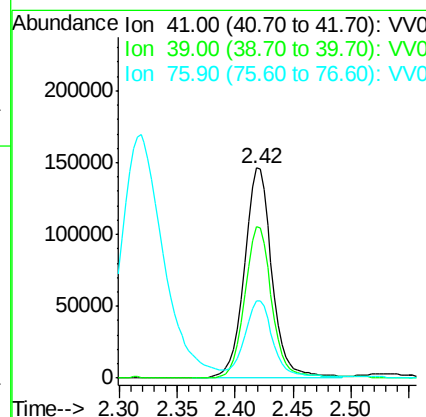
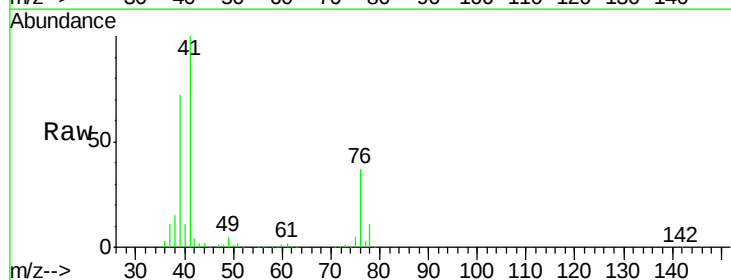
Manual Integrations
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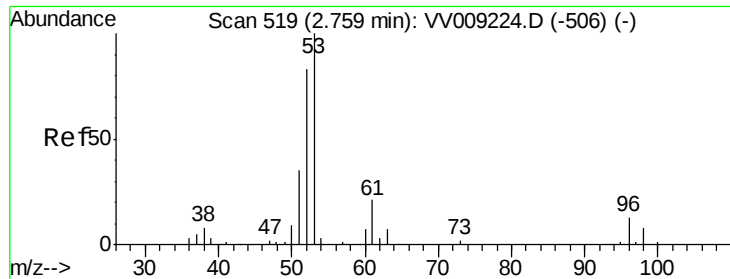
MMDadoda
1/21/2019 10:45:42 AM



#14
Allyl chloride
Concen: 153.459 ug/l
RT: 2.42 min Scan# 413
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	41	Resp	242185
Ion Ratio	100	Lower	Upper
41	100		
39	70.7	58.2	87.2
76	37.0	29.4	44.2





#15

Acrylonitrile

Concen: 835.165 ug/l

RT: 2.76 min Scan# 519

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

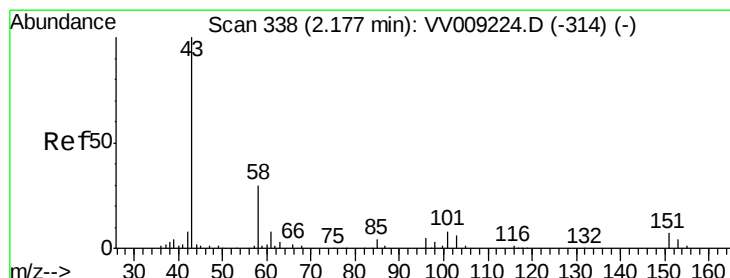
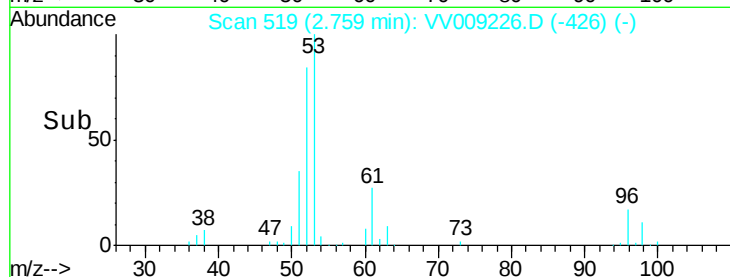
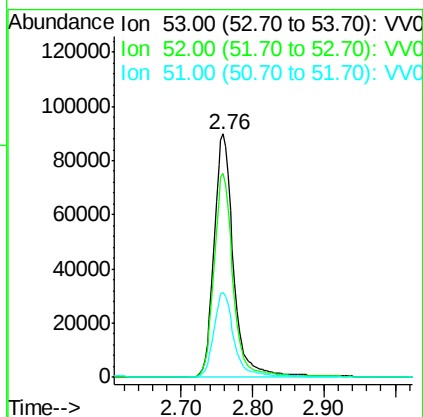
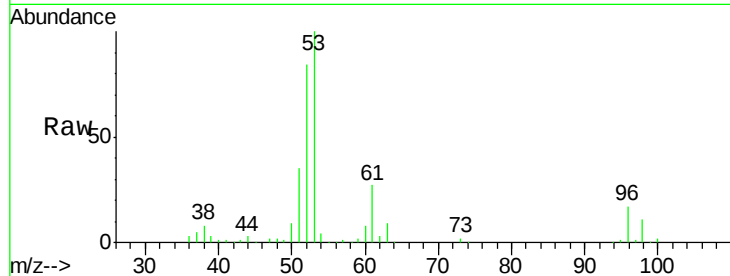
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	171126
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.8	98.6
51	35.8	29.8	44.8

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#16

Acetone

Concen: 757.211 ug/l

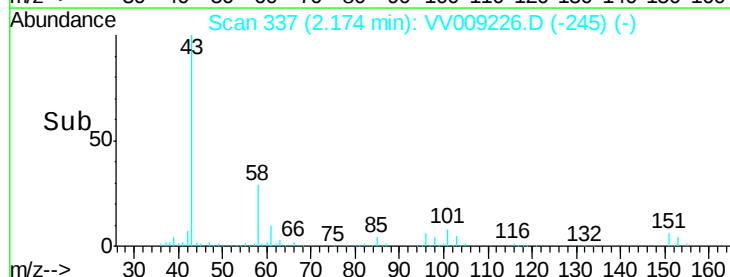
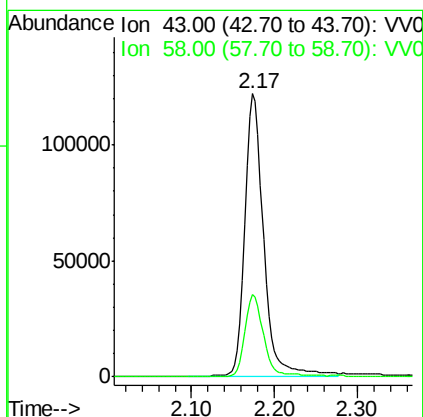
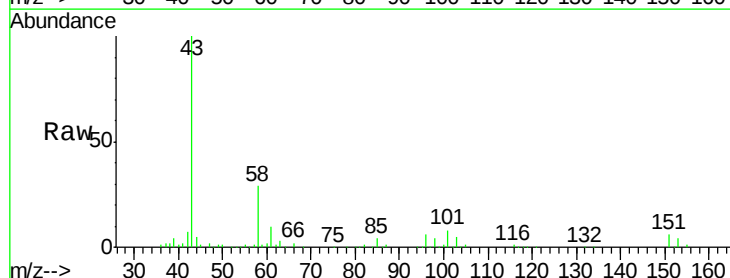
RT: 2.17 min Scan# 337

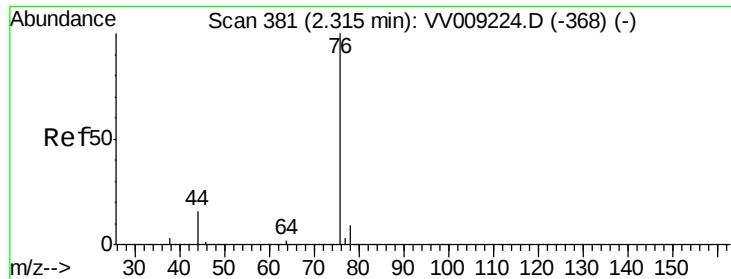
Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Tgt Ion:	43	Resp:	194801
Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.9	35.9





#17

Carbon Disulfide

Concen: 154.764 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 419308

Ion Ratio Lower Upper

76 100

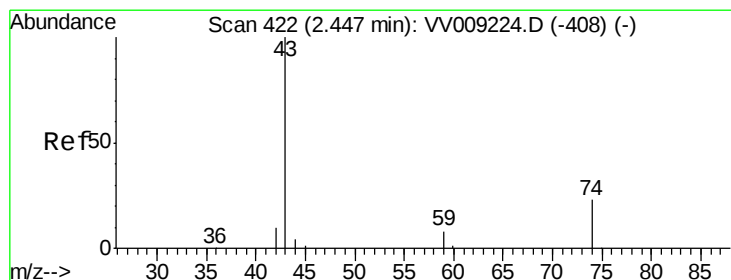
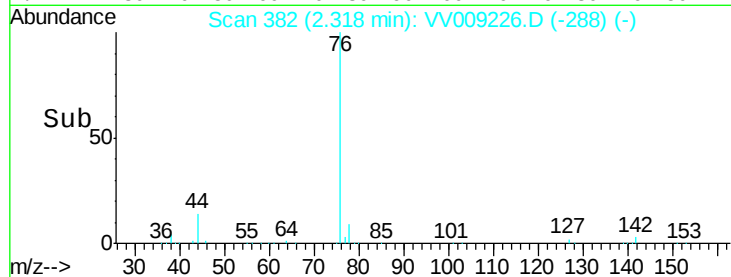
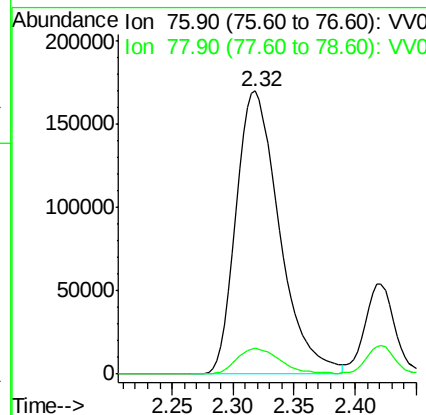
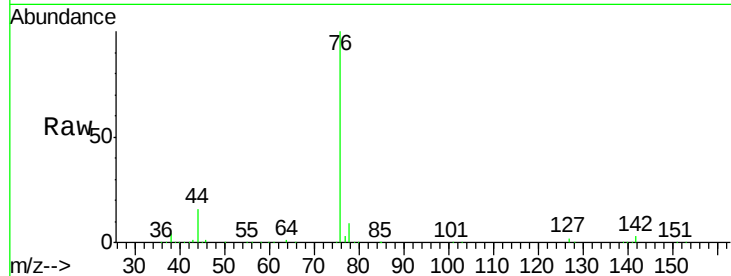
78 9.0 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 164.504 ug/l

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV009226.D

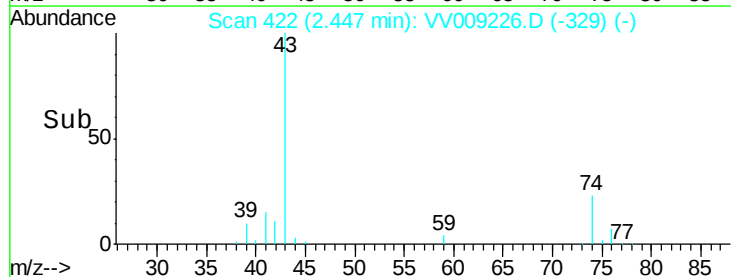
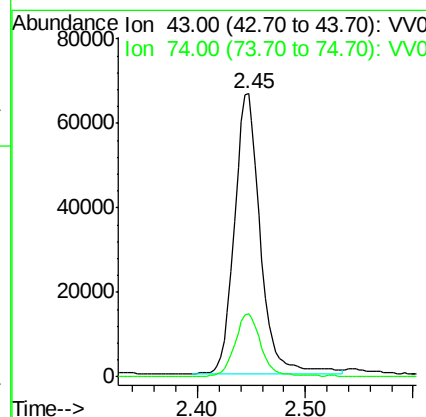
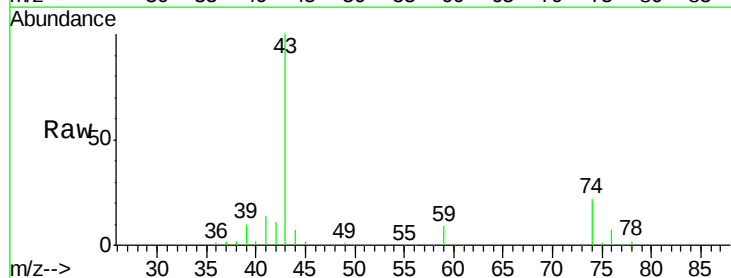
Acq: 18 Jan 2019 17:49

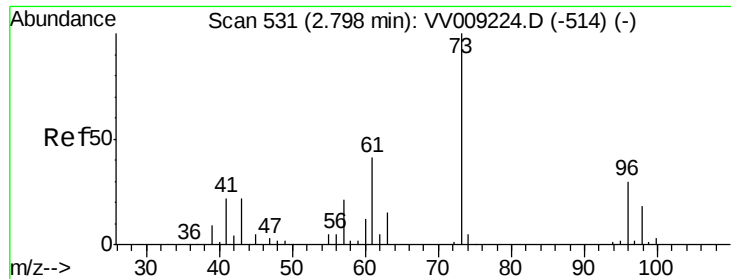
Tgt Ion: 43 Resp: 111153

Ion Ratio Lower Upper

43 100

74 23.2 19.4 29.2





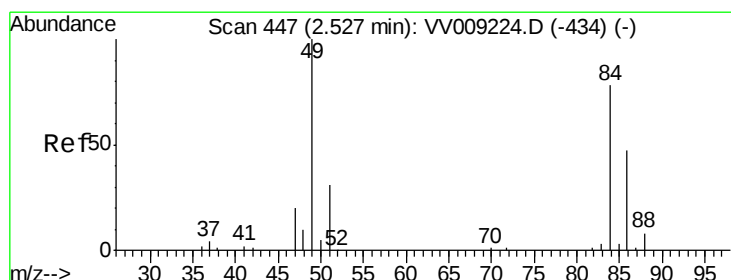
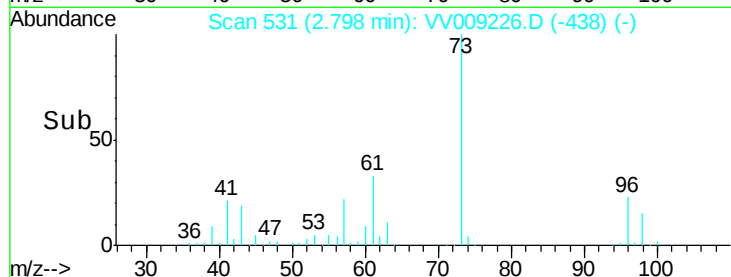
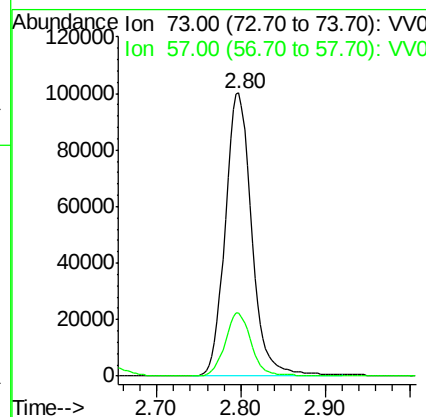
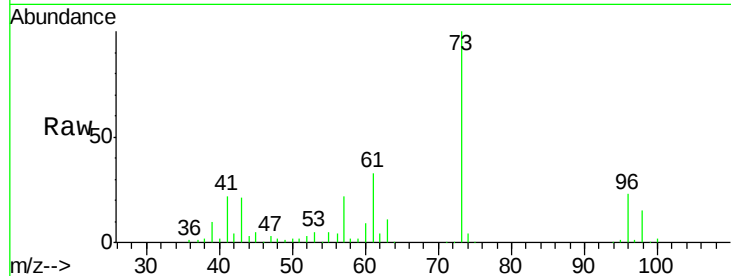
#19
Methvl tert-butvl Ether
Concen: 153.536 ug/l
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 219581
Ion Ratio Lower Upper
73 100
57 22.0 17.1 25.7

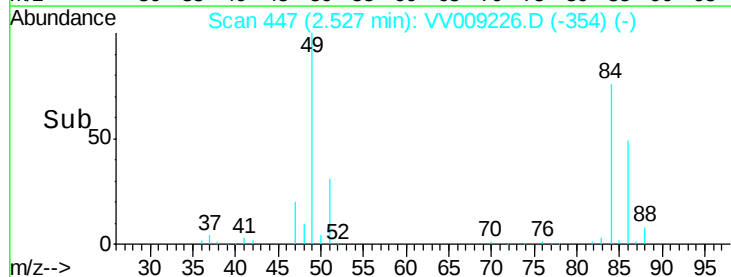
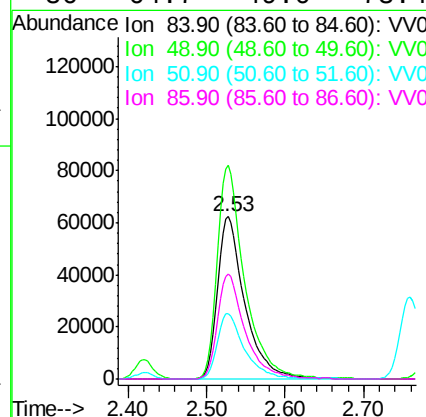
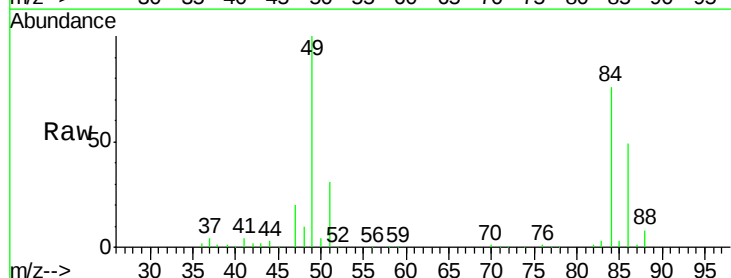
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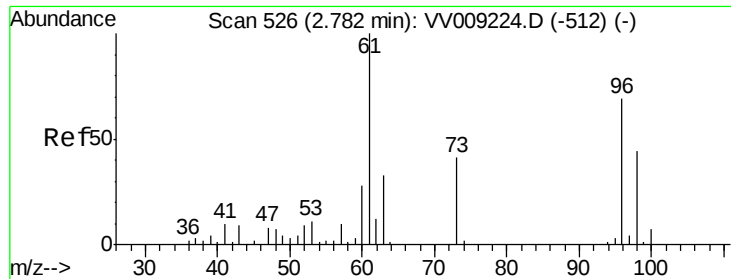
MMDadoda
1/21/2019 10:45:42 AM



#20
Methylene Chloride
Concen: 149.439 ug/l
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion: 84 Resp: 149136
Ion Ratio Lower Upper
84 100
49 131.5 103.1 154.7
51 40.3 31.7 47.5
86 64.7 49.0 73.4





#21

trans-1,2-Dichloroethene

Concen: 153.583 ug/l

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 148265

Ion Ratio Lower Upper

96 100

61 145.0 116.2 174.2

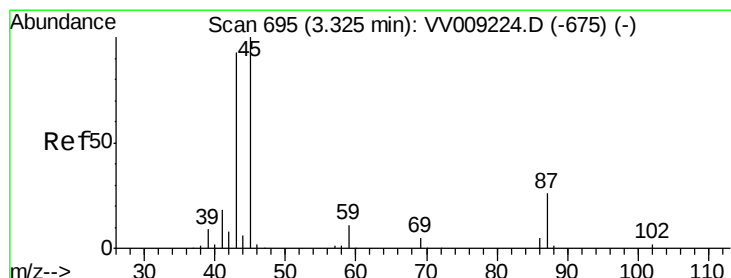
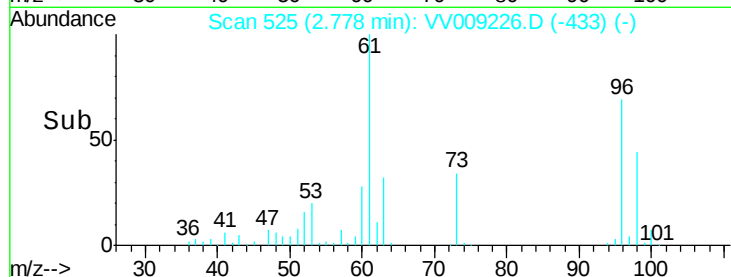
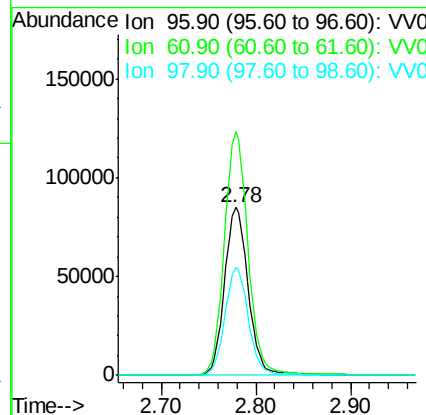
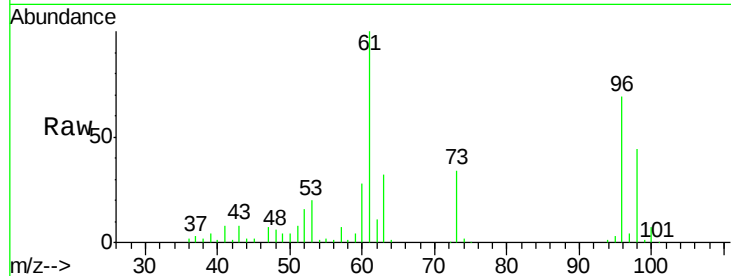
98 64.0 50.8 76.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 157.813 ug/l

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Tgt Ion: 45 Resp: 567083

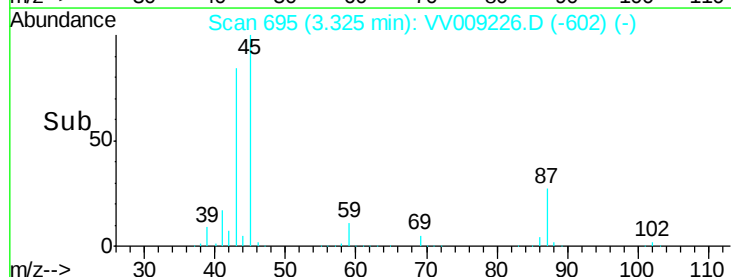
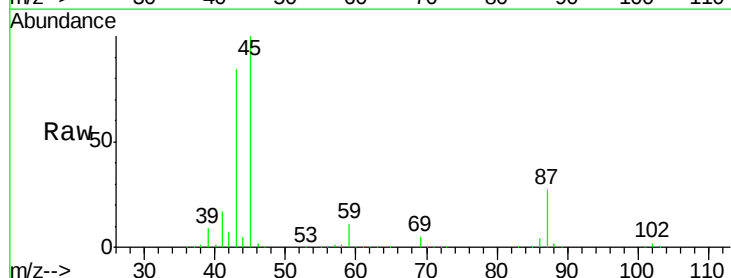
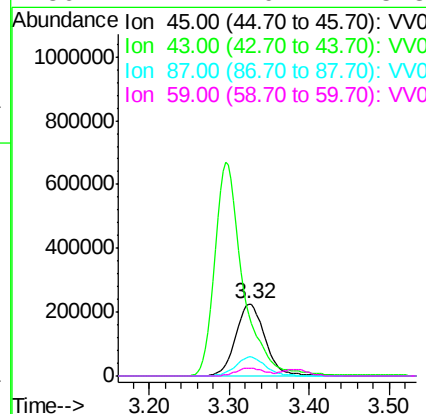
Ion Ratio Lower Upper

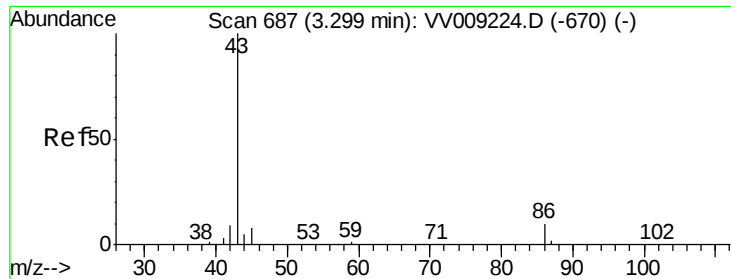
45 100

43 83.3 75.4 113.2

87 26.5 20.6 31.0

59 11.4 9.2 13.8





#23

Vinyl Acetate

Concen: 841.008 ug/l

RT: 3.30 min Scan# 686

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1644007

Ion Ratio Lower Upper

43 100

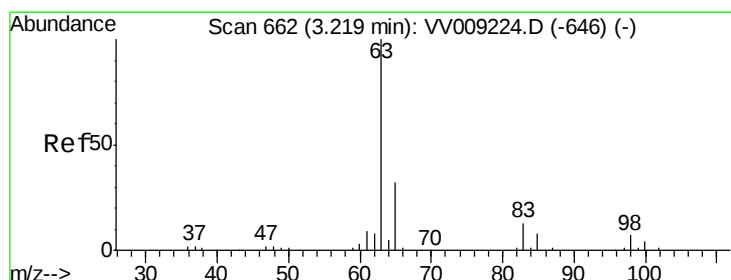
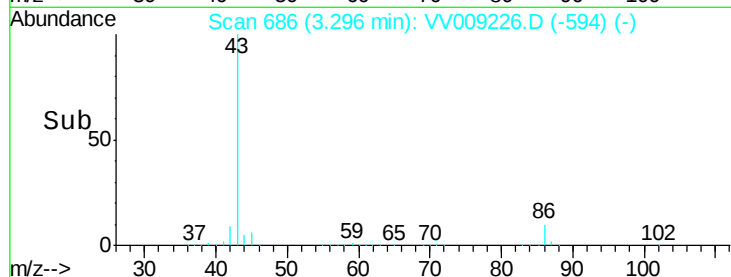
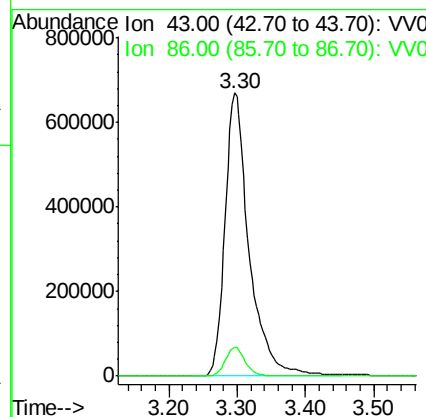
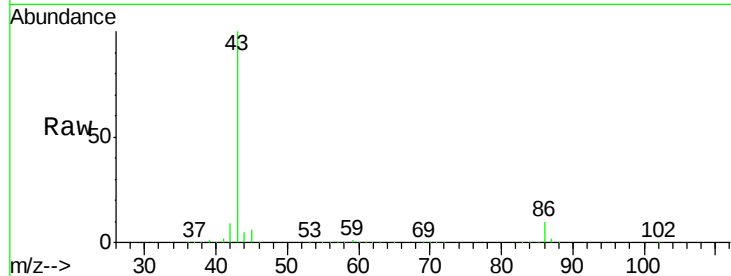
86 10.3 7.8 11.6

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#24

1,1-Dichloroethane

Concen: 156.564 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

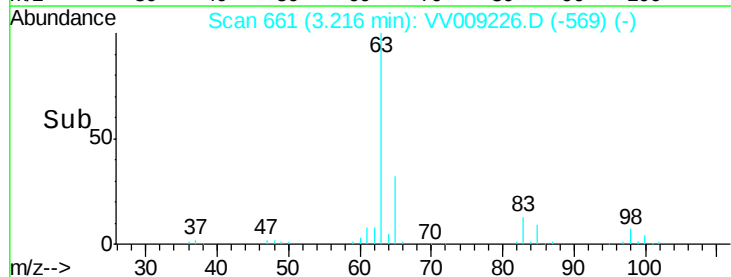
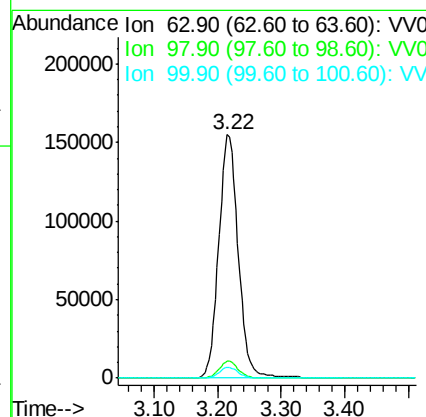
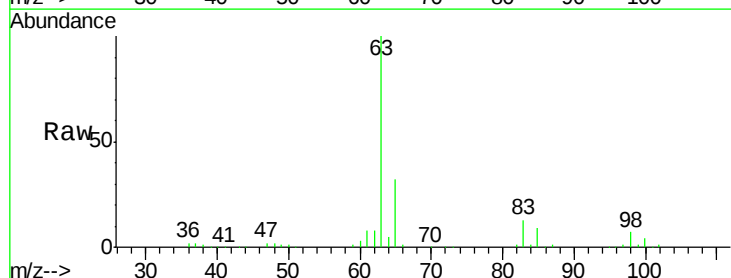
Tgt Ion: 63 Resp: 331096

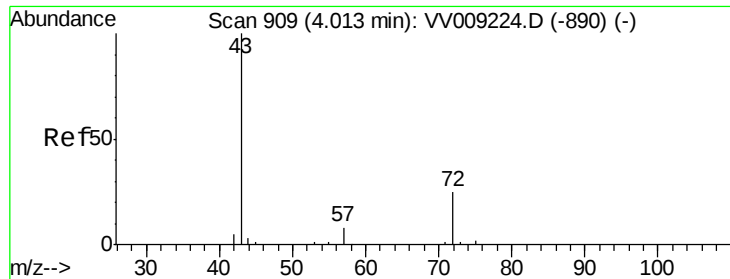
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 870.430 ug/l

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 280943

Ion Ratio Lower Upper

43 100

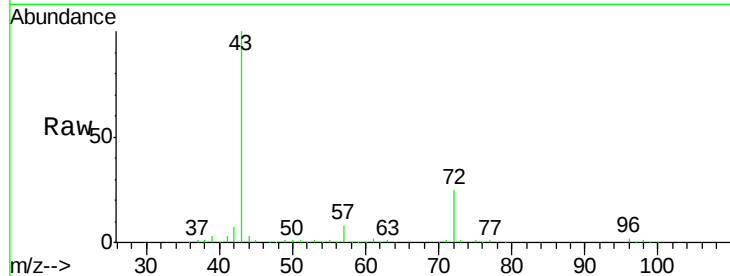
72 24.2 19.7 29.5

Manual Integrations

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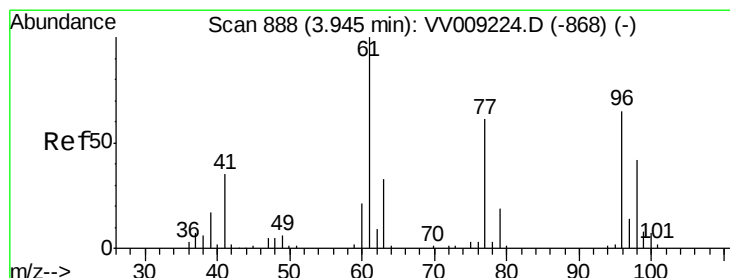
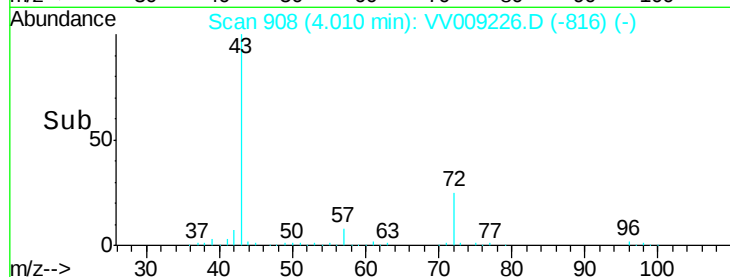
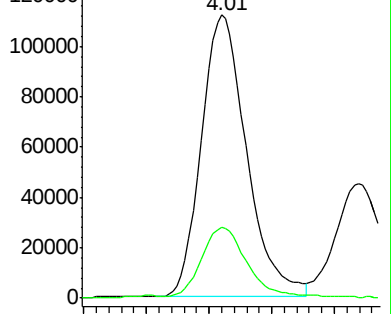
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#26

2,2-Dichloropropane

Concen: 158.691 ug/l

RT: 3.95 min Scan# 888

Delta R.T. -0.00 min

Lab File: VV009226.D

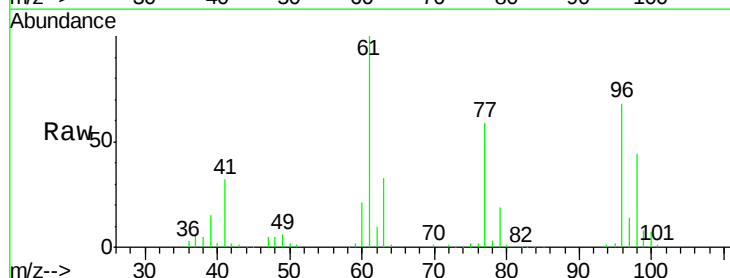
Acq: 18 Jan 2019 17:49

Tgt Ion: 77 Resp: 187259

Ion Ratio Lower Upper

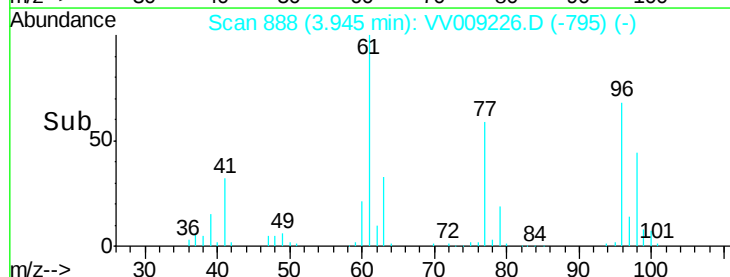
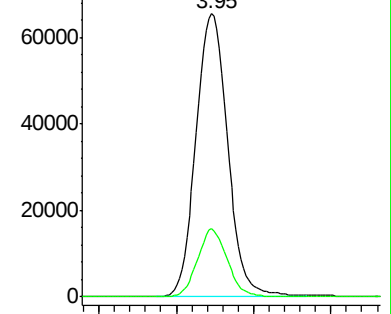
77 100

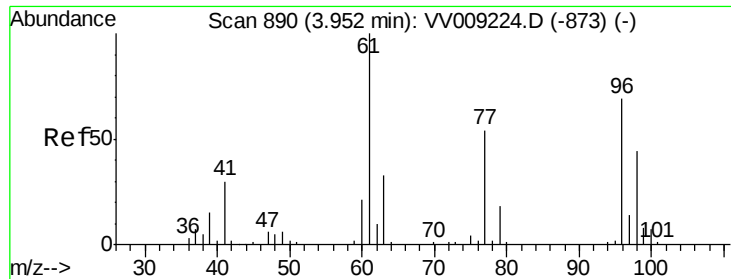
97 22.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VV0

Ion 96.90 (96.60 to 97.60): VV0





#27

cis-1,2-Dichloroethene

Concen: 159.747 ug/l

RT: 3.95 min Scan# 890

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

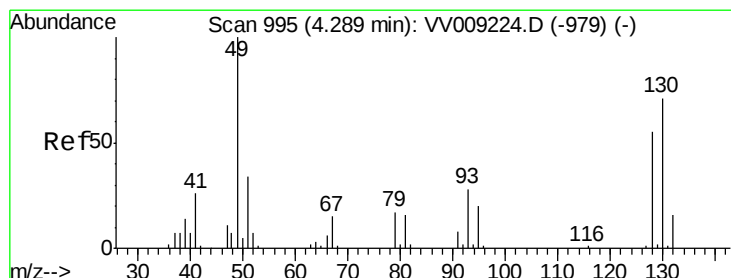
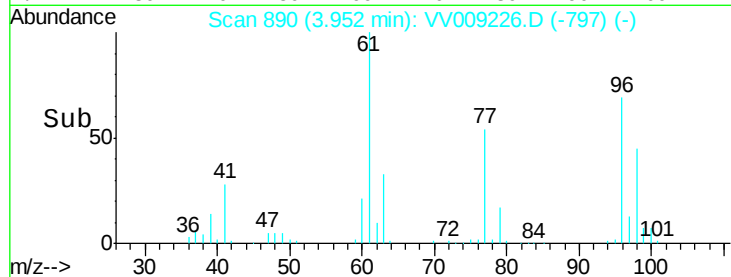
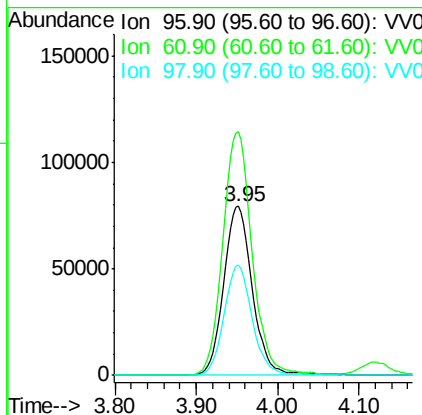
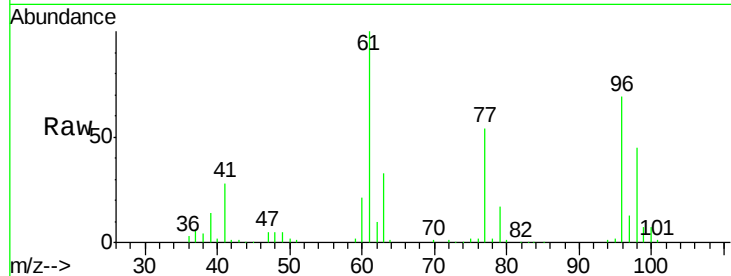
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	197490
Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	300.4
98	64.0	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 163.373 ug/l

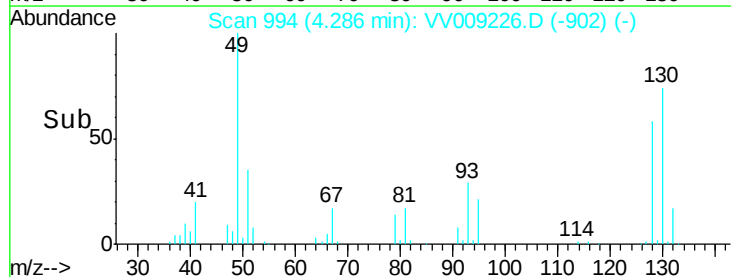
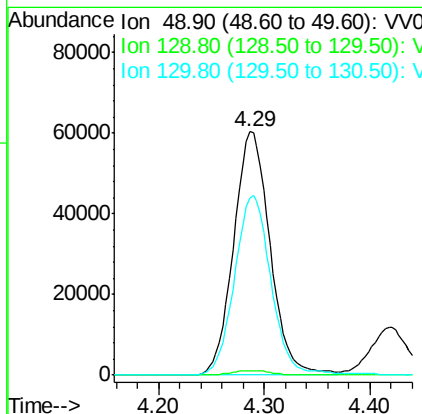
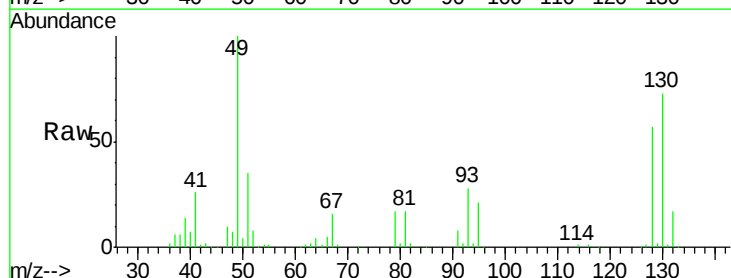
RT: 4.29 min Scan# 994

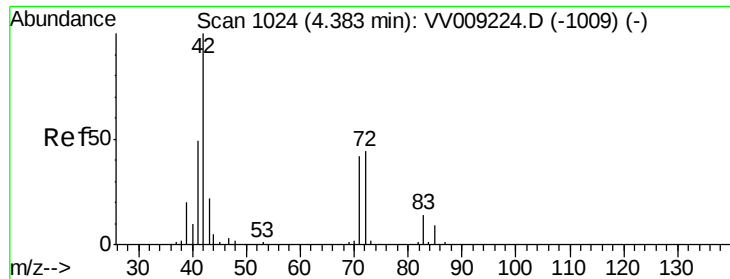
Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Tgt Ion:	49	Resp:	145120
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	74.3	57.8	86.6





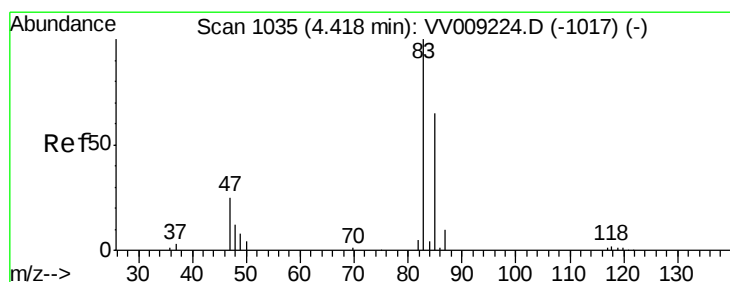
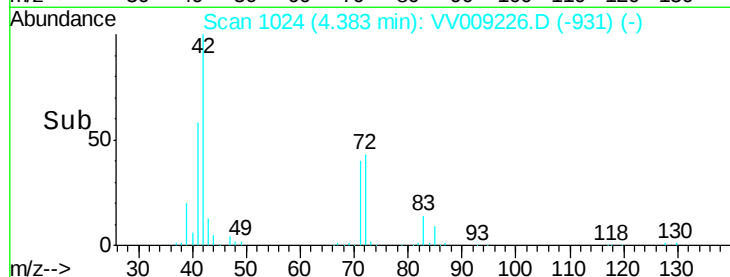
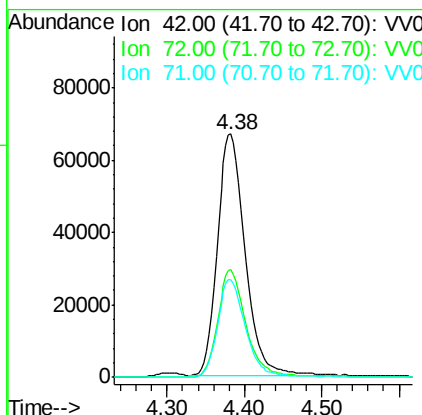
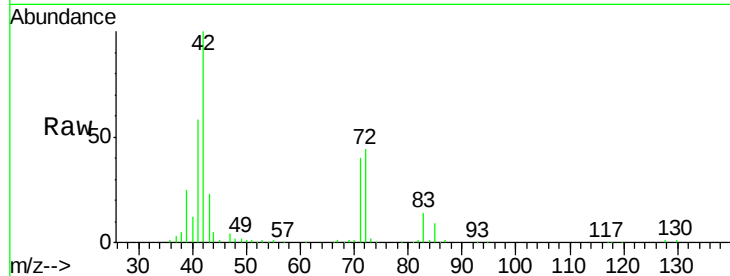
#29
Tetrahydrofuran
Concen: 868.064 ug/l
RT: 4.38 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.9	53.9
71	40.9	33.6	50.4

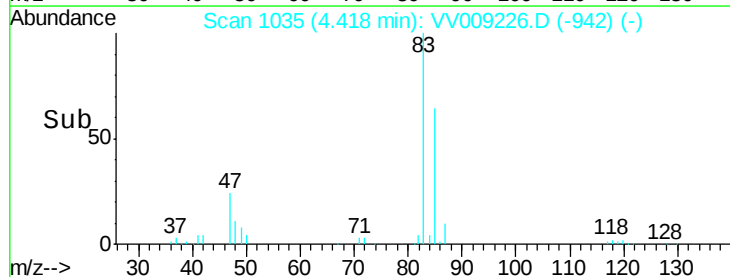
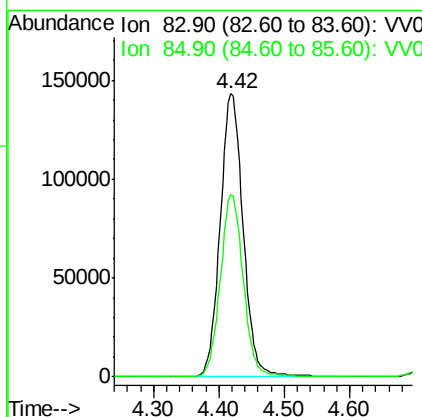
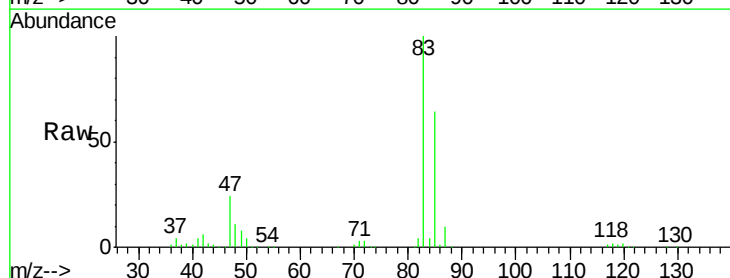
Manual Integrations
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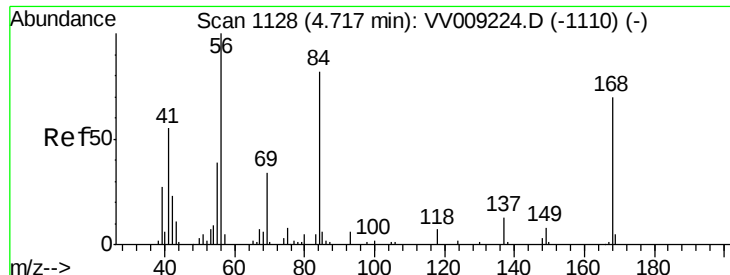
MMDadoda
1/21/2019 10:45:42 AM



#30
Chloroform
Concen: 157.278 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6





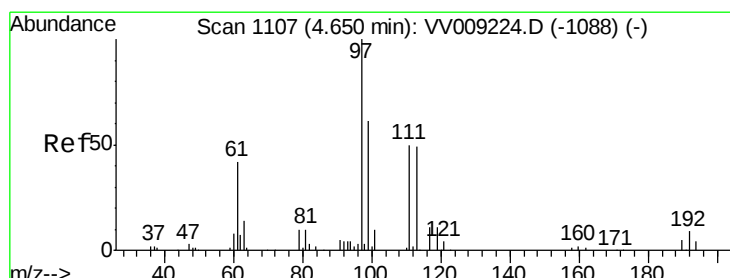
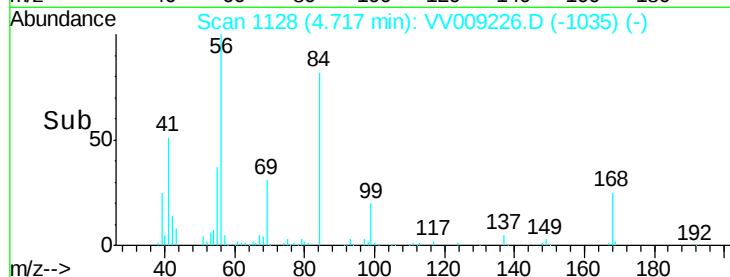
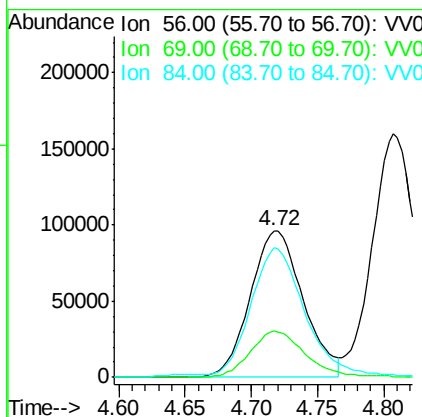
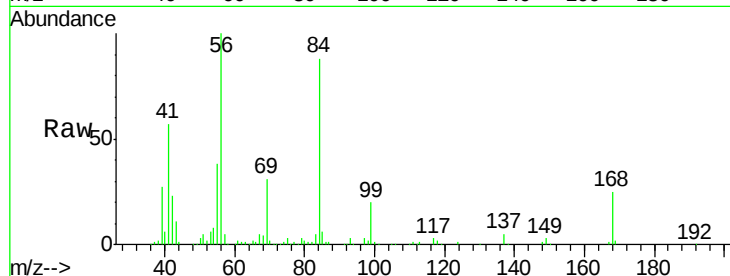
#31
Cyclohexane
Concen: 148.022 ug/l
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
56	100	267168		
69	31.4		27.0	40.4
84	86.4		65.4	98.2

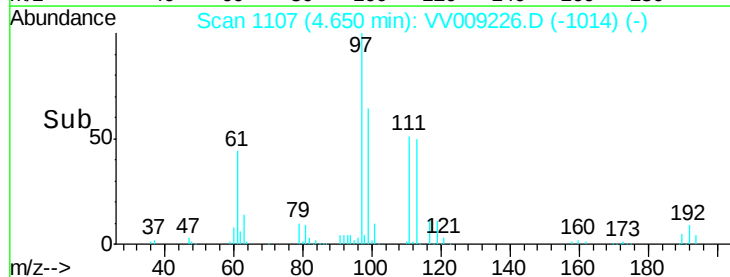
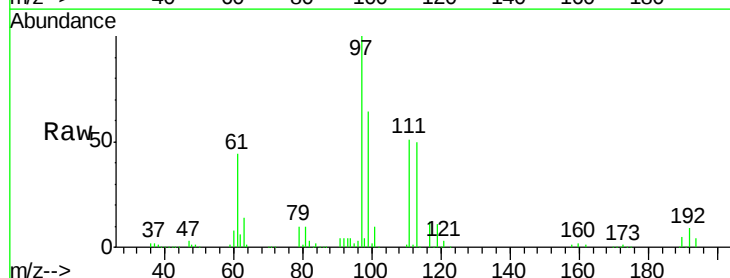
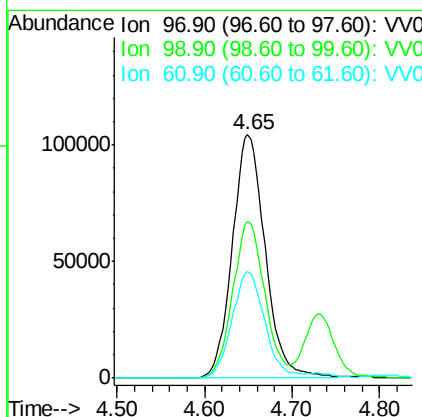
Manual Integrations
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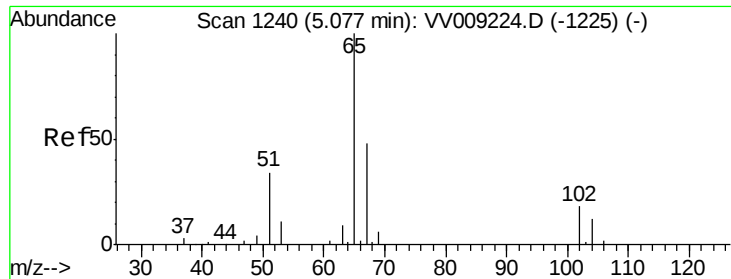
MMDadoda
1/21/2019 10:45:42 AM



#32
1,1,1-Trichloroethane
Concen: 150.839 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	272554		
99	62.6		48.9	73.3
61	43.4		34.7	52.1





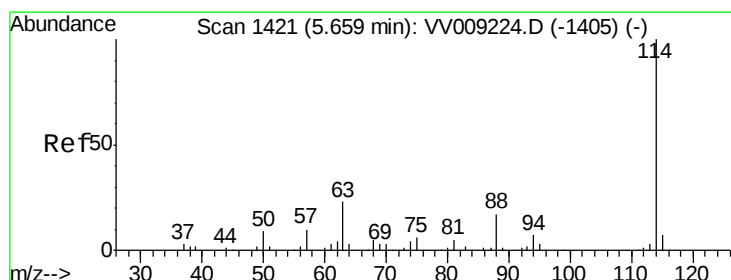
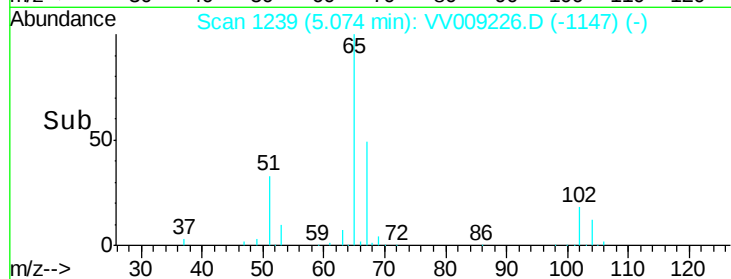
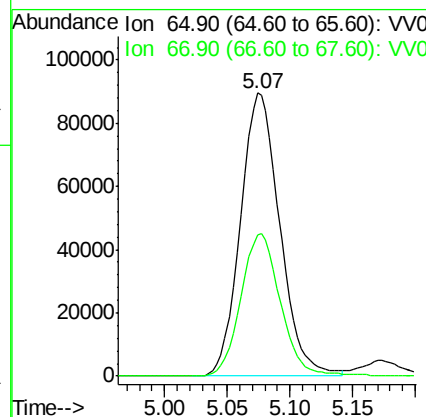
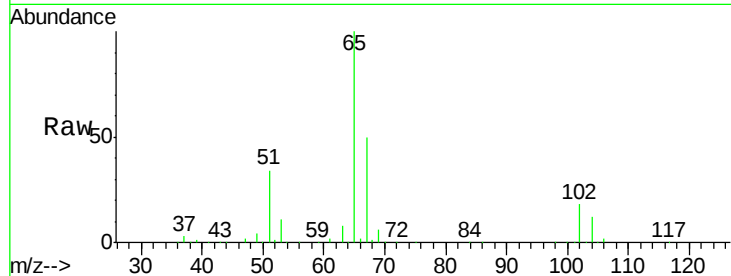
#33
 1,2-Dichloroethane-d4
 Concen: 156.439 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	195483		
67	50.6	0.0	99.0	

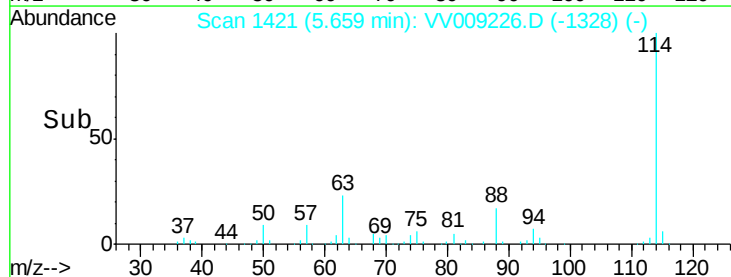
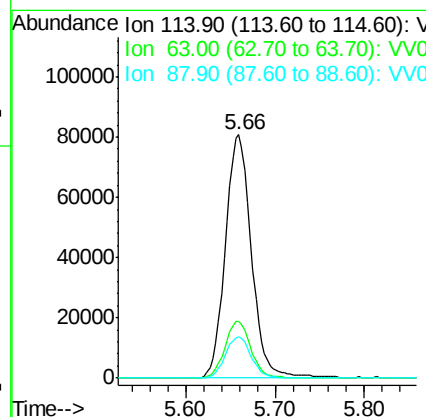
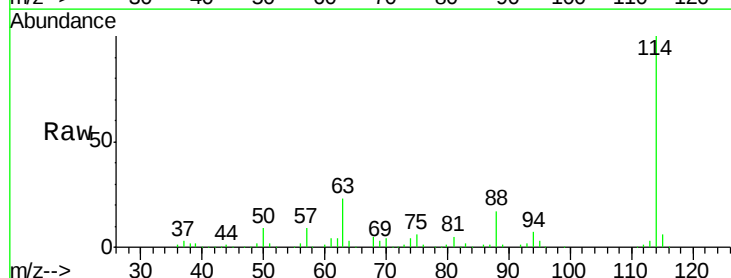
Manual Integrations
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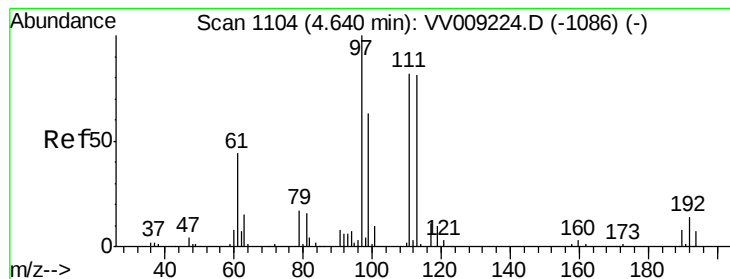
MMDadoda
 1/21/2019 10:45:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	163727		
63	23.3	0.0	46.2	
88	16.8	0.0	33.8	





#35

Dibromofluoromethane

Concen: 157.815 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

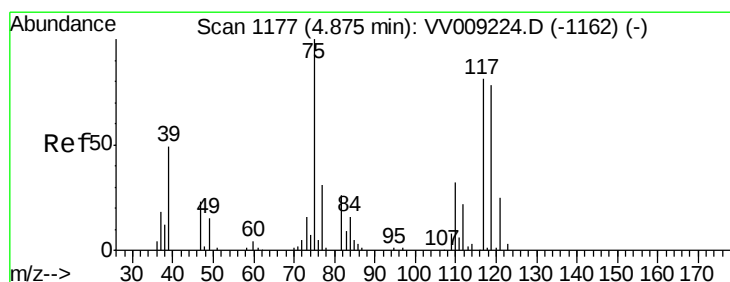
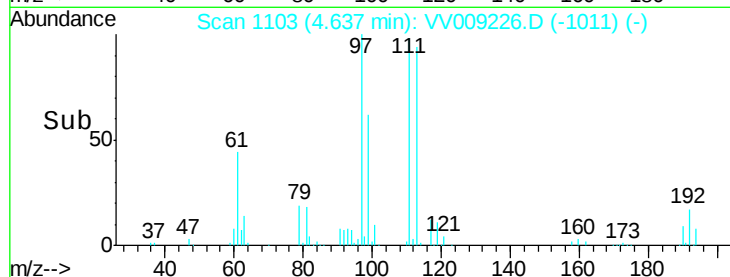
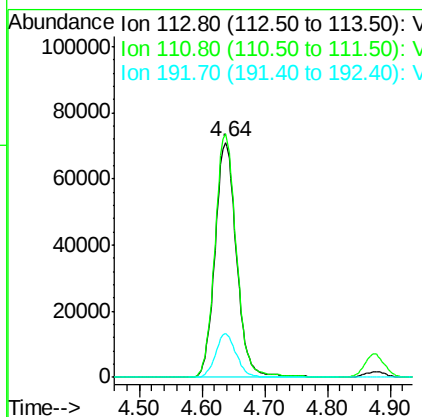
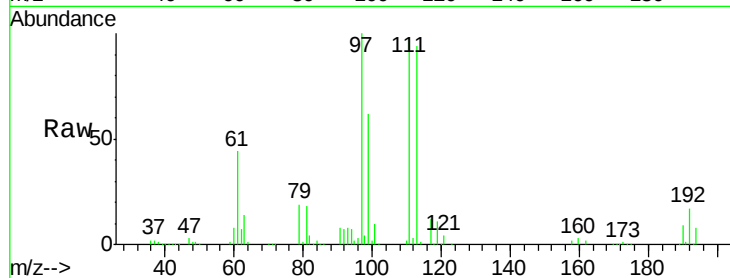
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	169614
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	17.9	14.1	21.1

Manual Integrations
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MMDadoda
1/21/2019 10:45:42 AM



#36

1,1-Dichloropropene

Concen: 156.173 ug/l

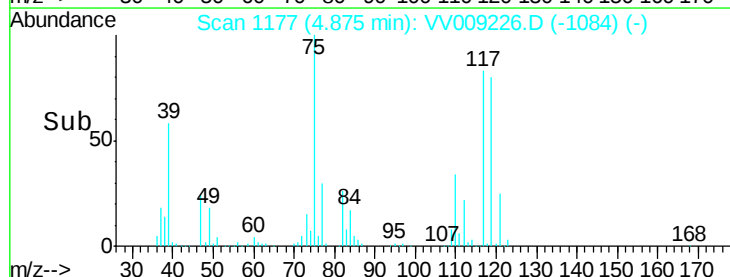
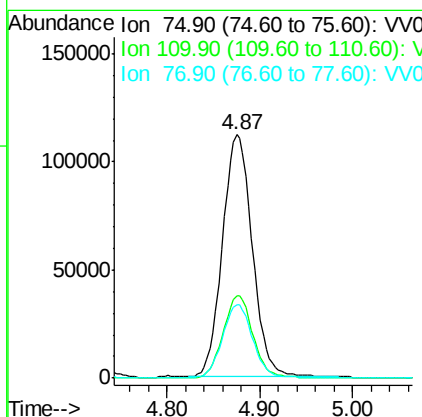
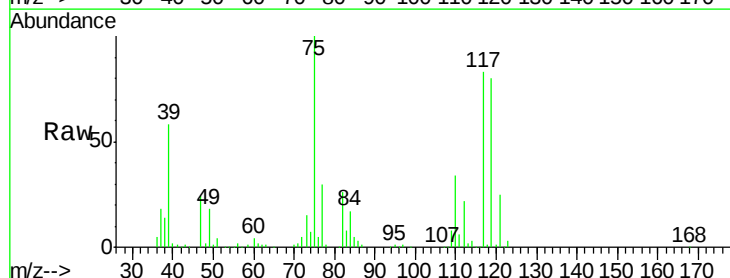
RT: 4.87 min Scan# 1177

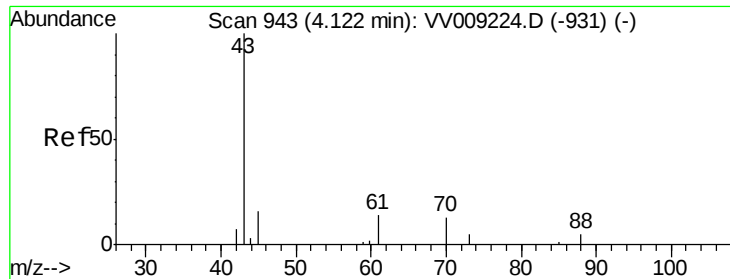
Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Tgt Ion:	75	Resp:	249625
Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.3	51.7
77	30.4	24.4	36.6





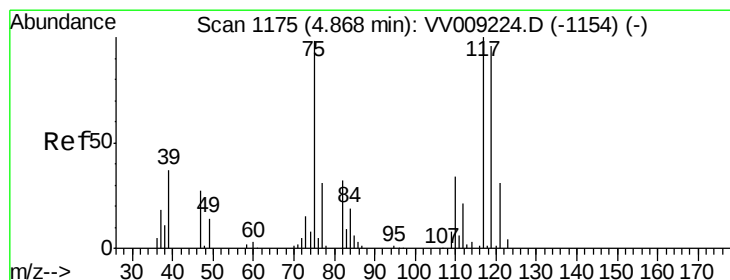
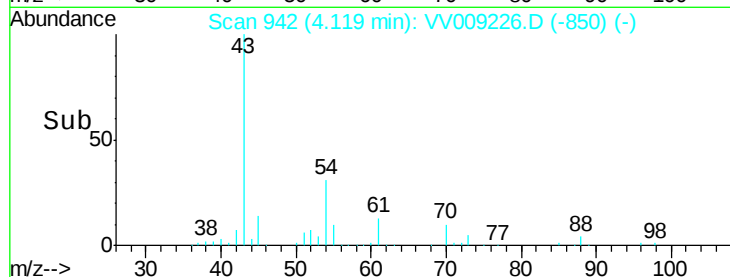
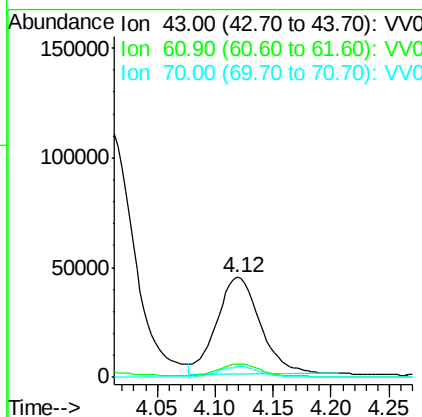
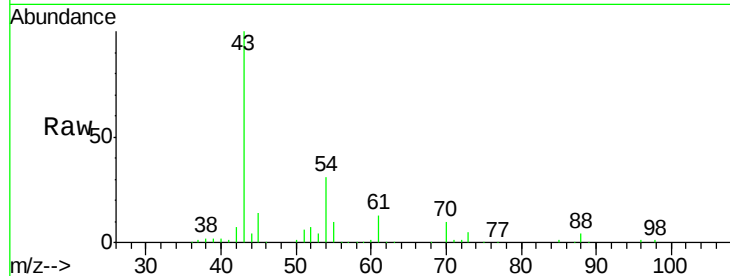
#37
Ethyl Acetate
Concen: 172.292 ug/l
RT: 4.12 min Scan# 942
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.6
70	10.6	8.2	12.4

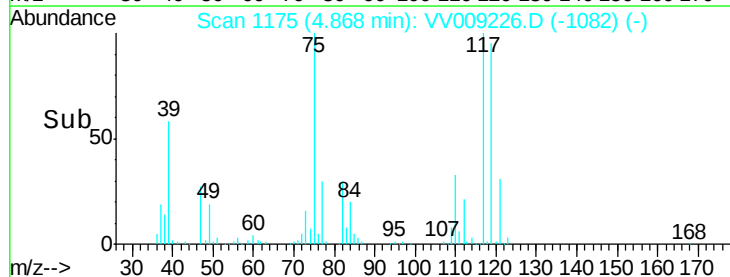
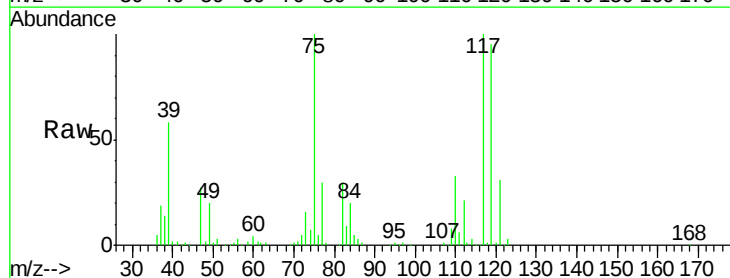
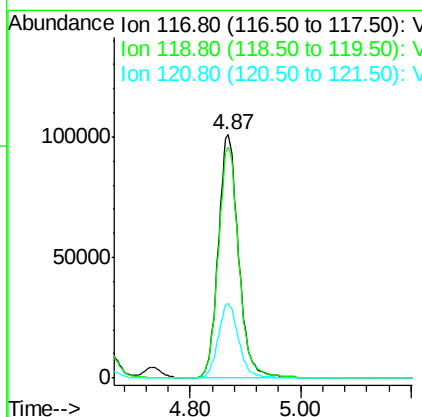
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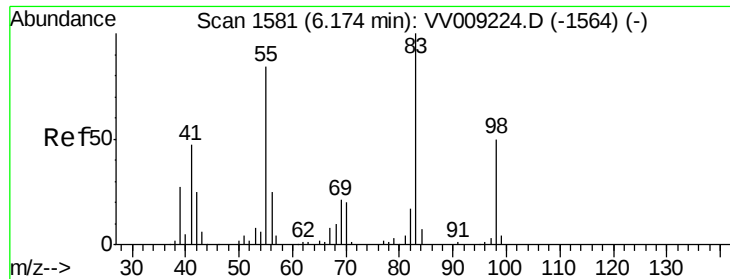
MMDadoda
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#38
Carbon Tetrachloride
Concen: 156.675 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.0	115.6
121	30.6	24.7	37.1





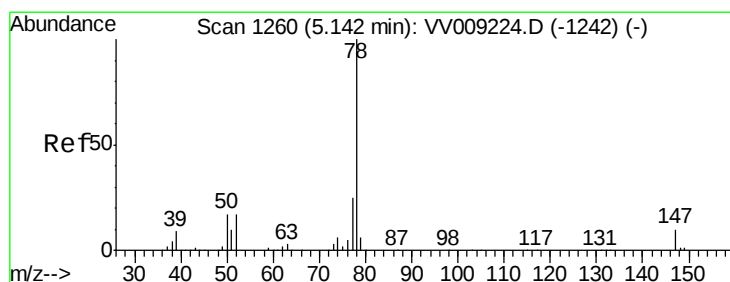
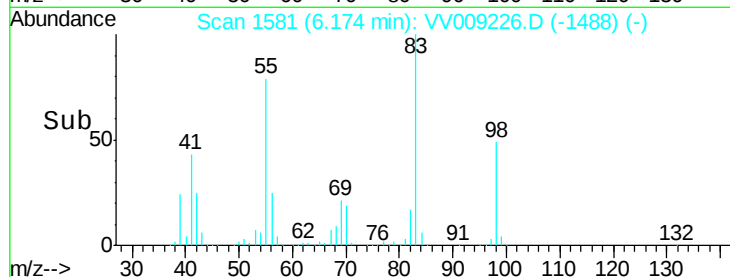
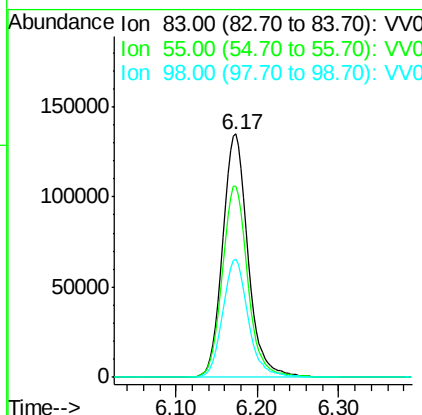
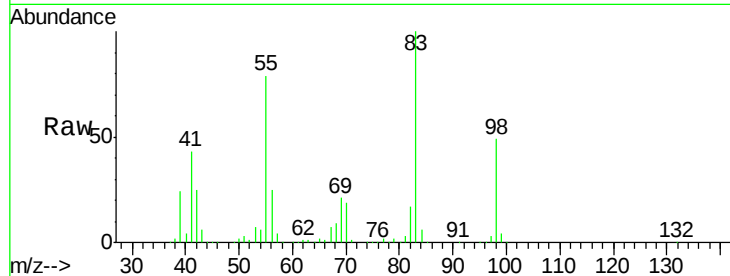
#39
Methvlcvclohexane
Concen: 154.864 ug/l
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	67.0	100.6
98	48.6	40.2	60.2

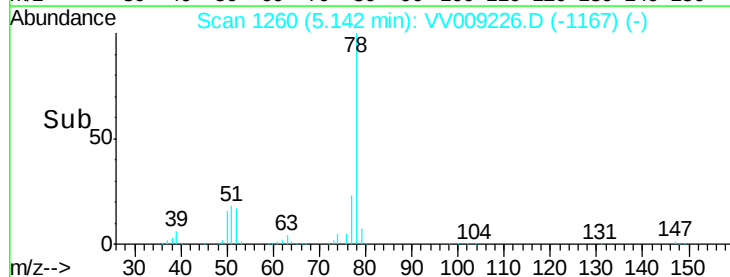
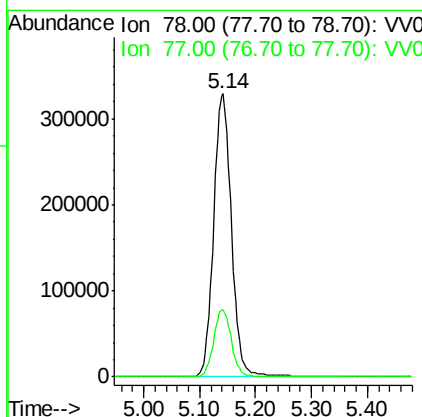
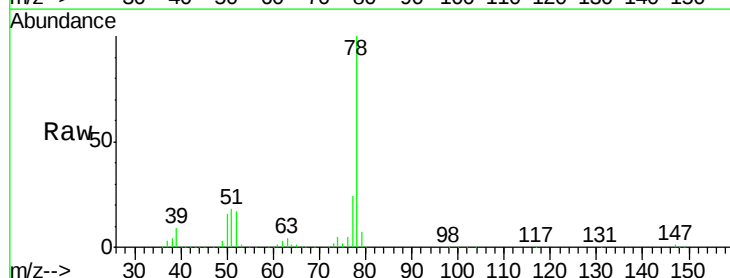
Manual Integrations
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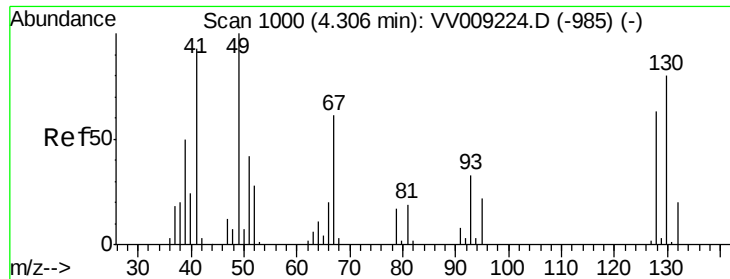
MMDadoda
1/21/2019 10:45:42 AM



#40
Benzene
Concen: 157.253 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.8	29.6





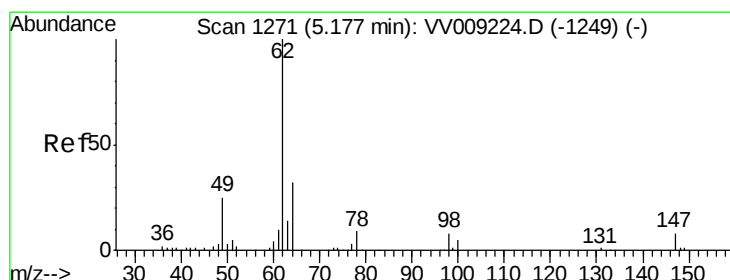
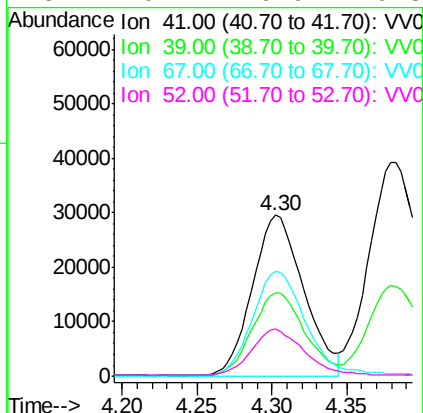
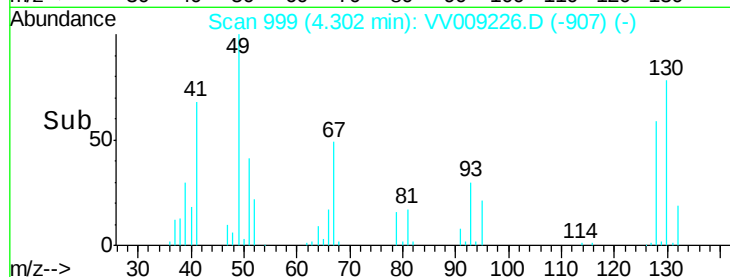
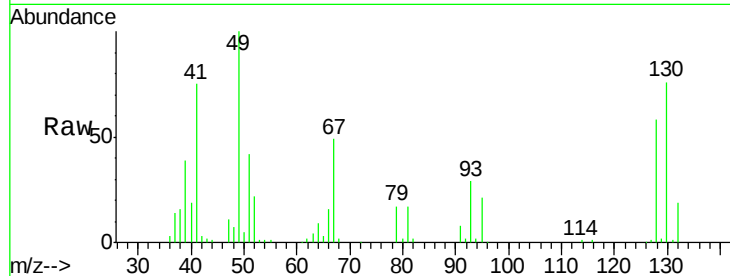
#41
Methacrylonitrile
Concen: 178.725 ug/l
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	44.8	67.2	
67	68.8	57.5	86.3	
52	29.1	26.9	40.3	

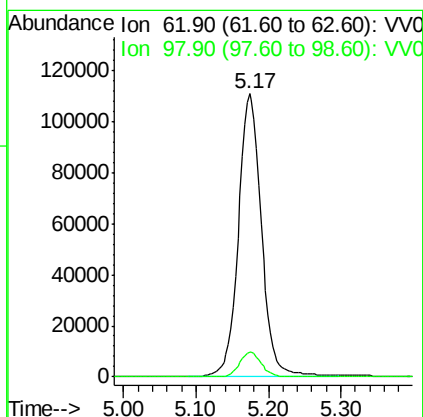
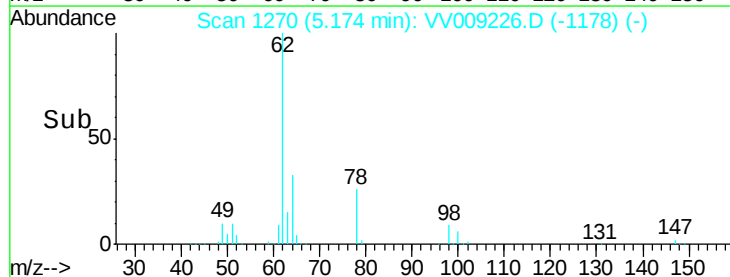
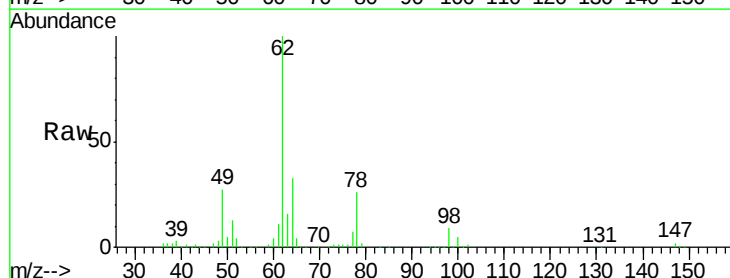
Manual Integrations
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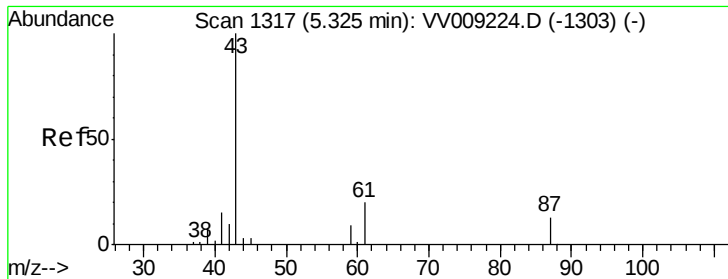
MMDadoda
1/21/2019 10:45:42 AM



#42
1,2-Dichloroethane
Concen: 157.946 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.4	





#43

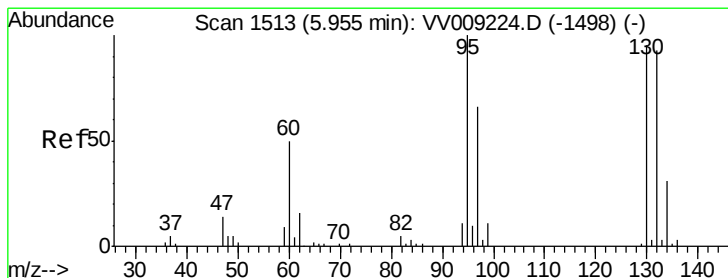
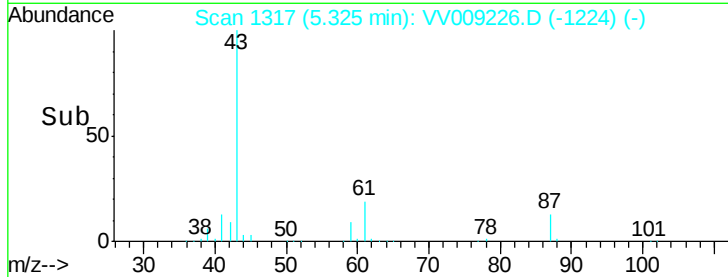
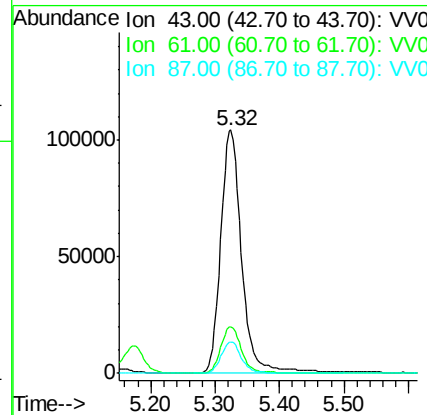
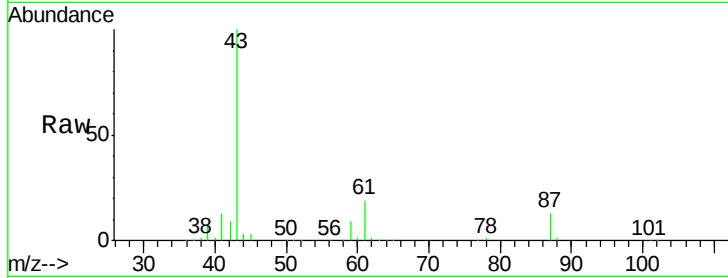
Isopropyl Acetate
 Concen: 177.695 ug/l
 RT: 5.32 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	12.8	10.0	15.0

Manual Integrations
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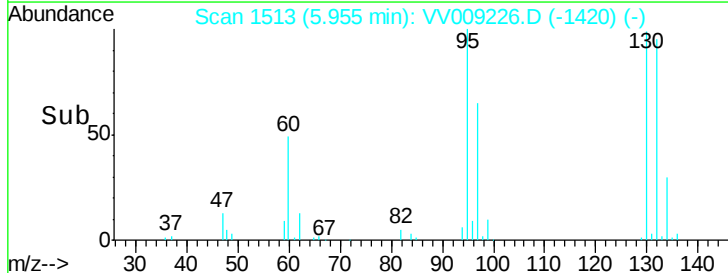
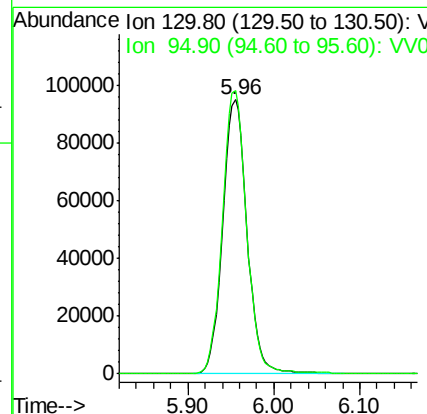
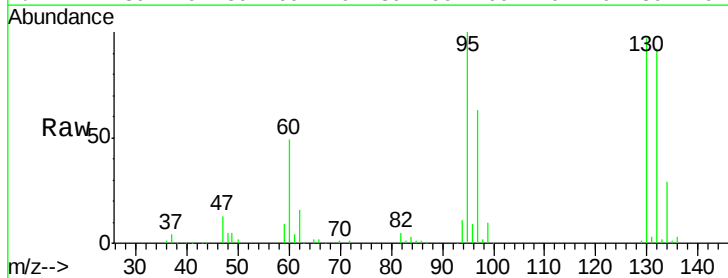
MMDadoda
 1/21/2019 10:45:42 AM

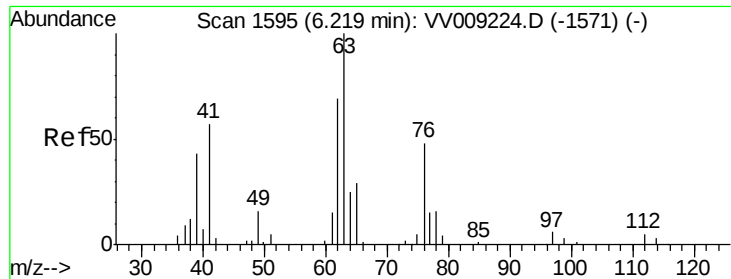


#44

Trichloroethene
 Concen: 161.037 ug/l
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	209.4





#45

1,2-Dichloropropane

Concen: 158.637 ug/l

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 184137

Ion Ratio Lower Upper

63 100

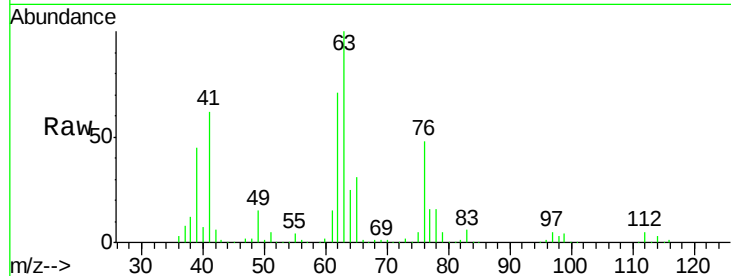
65 30.7 23.9 35.9

Manual Integrations

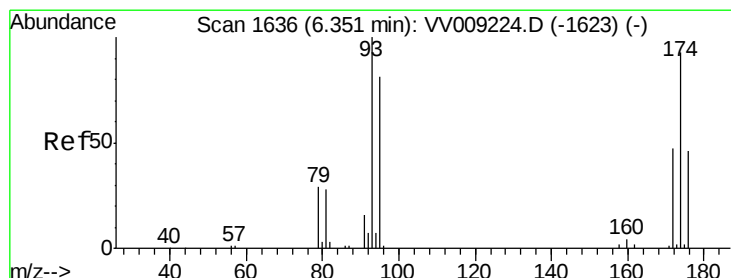
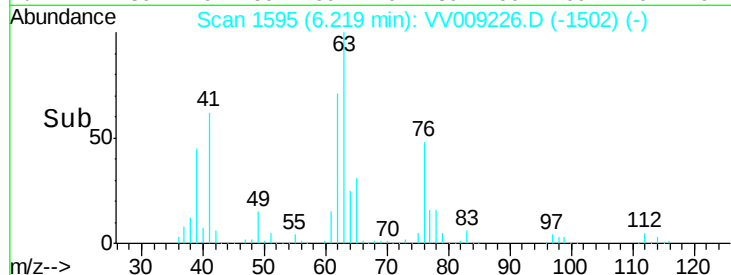
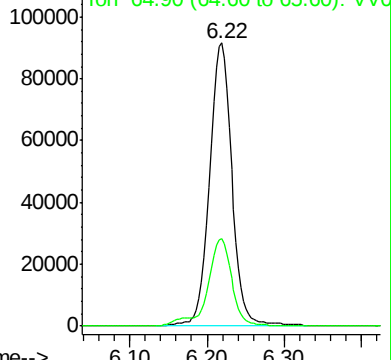
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Abundance Ion 62.90 (62.60 to 63.60): VV009226.D (-1502) (-)



#46

Dibromomethane

Concen: 165.011 ug/l

RT: 6.35 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

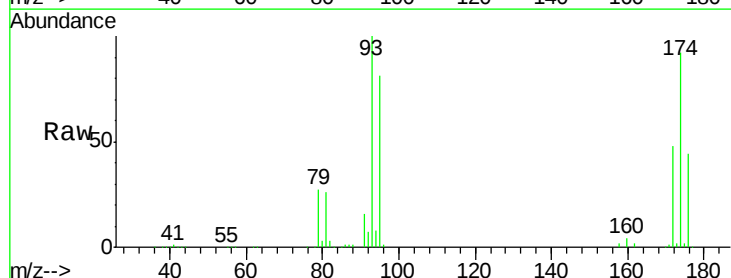
Tgt Ion: 93 Resp: 101157

Ion Ratio Lower Upper

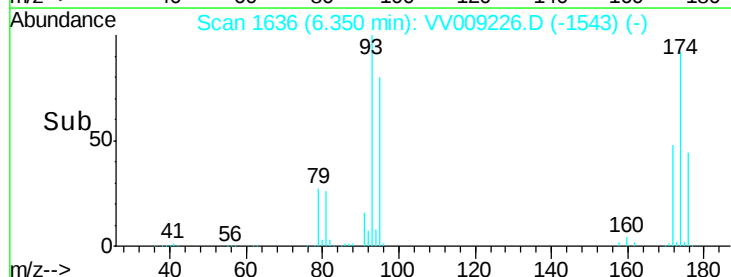
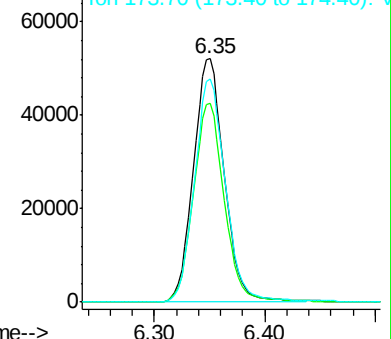
93 100

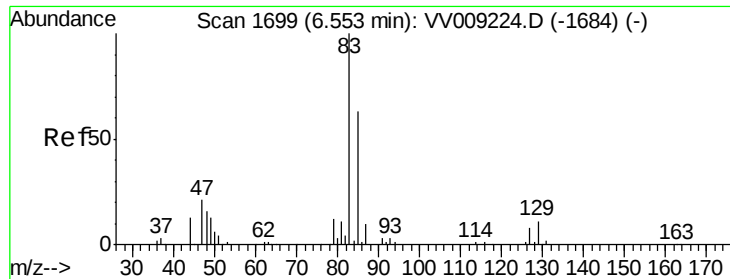
95 81.9 66.2 99.4

174 91.9 73.0 109.6



Abundance Ion 92.80 (92.50 to 93.50): VV009226.D (-1543) (-)





#47

Bromodichloromethane

Concen: 163.365 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

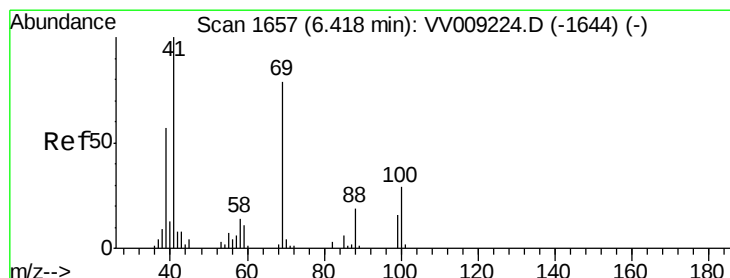
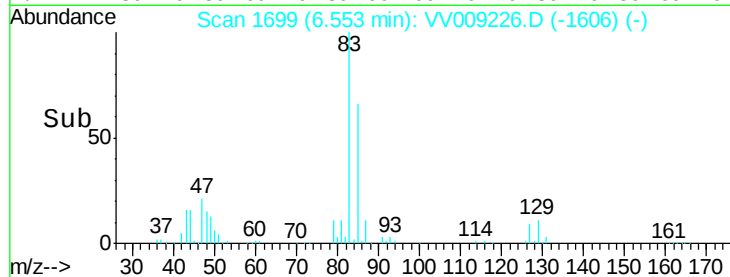
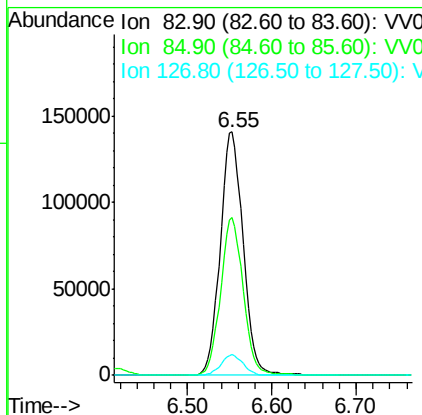
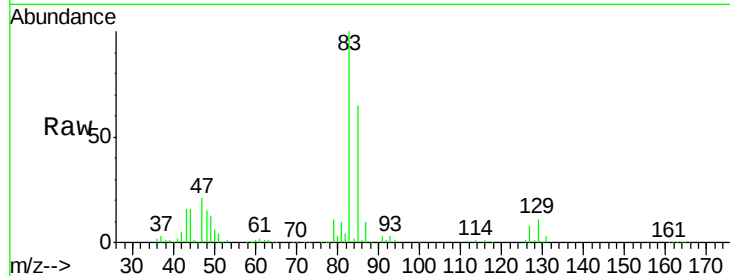
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	265848
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.6	75.8
127	8.5	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 171.660 ug/l

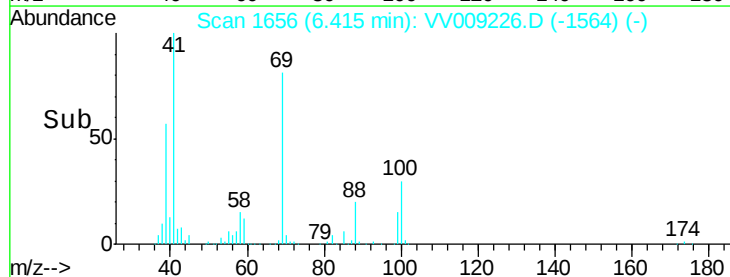
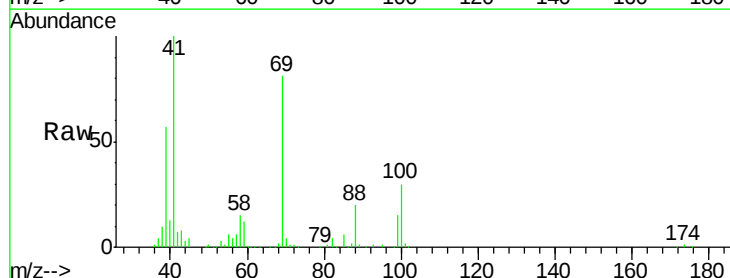
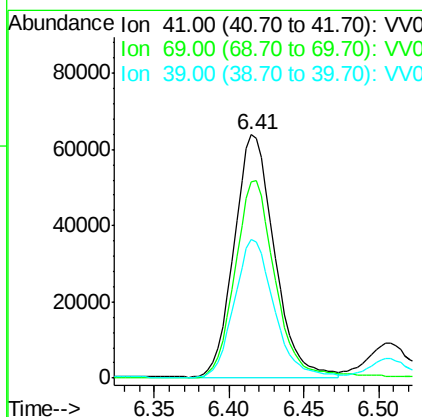
RT: 6.41 min Scan# 1656

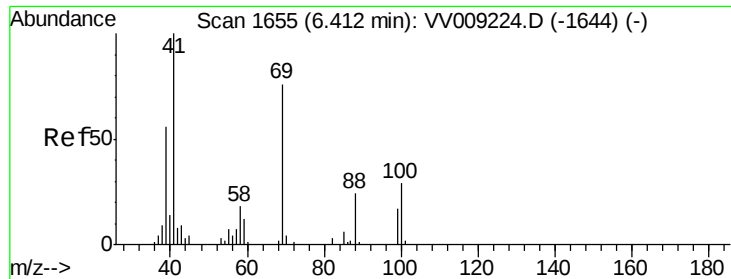
Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Tgt Ion:	41	Resp:	119166
Ion Ratio	Lower	Upper	
41	100		
69	82.9	62.2	93.4
39	56.3	44.7	67.1





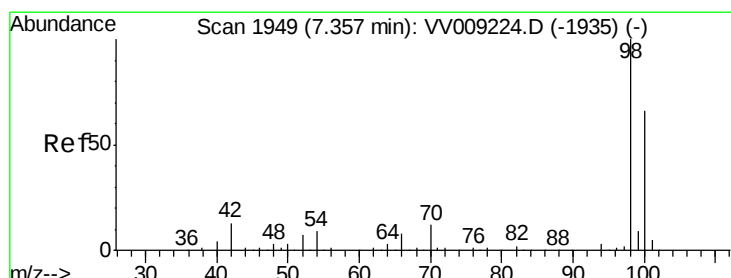
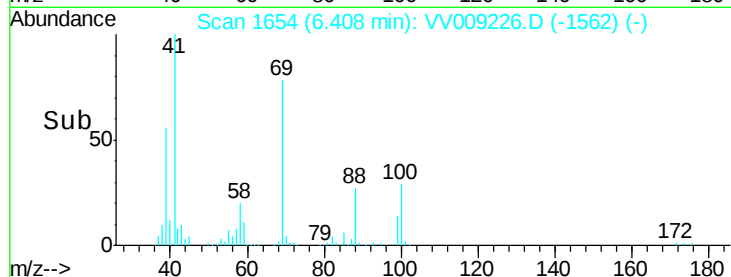
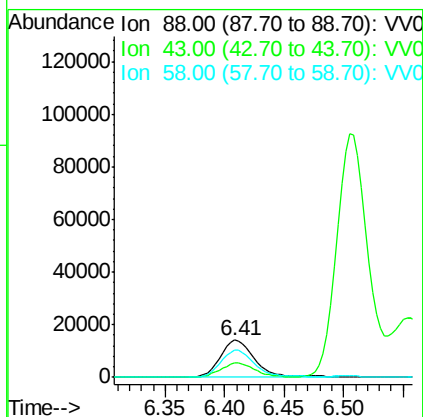
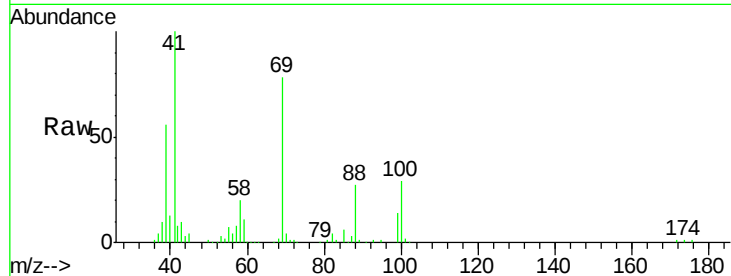
#49
1,4-Dioxane
Concen: 3456.140 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	31.3	46.9
58	73.1	59.6	89.4

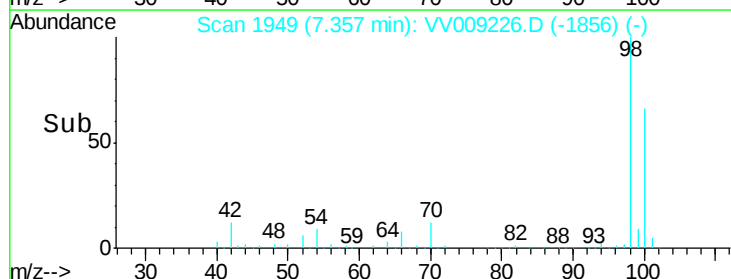
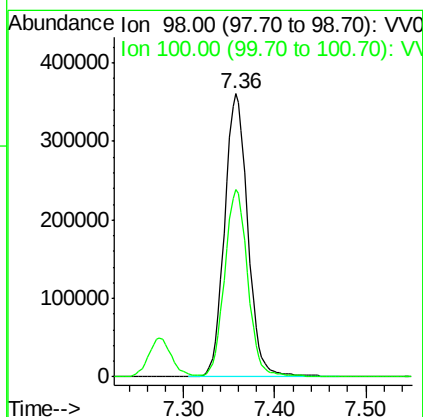
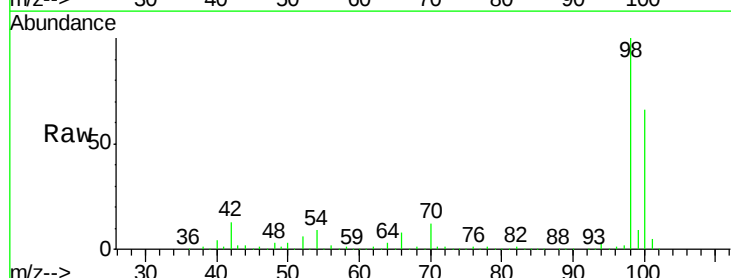
Manual Integrations
APPROVED

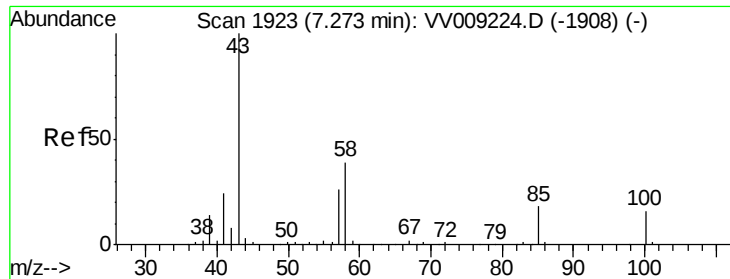
MMDadoda
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#50
Toluene-d8
Concen: 157.479 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 850.763 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 588520

Ion Ratio Lower Upper

43 100

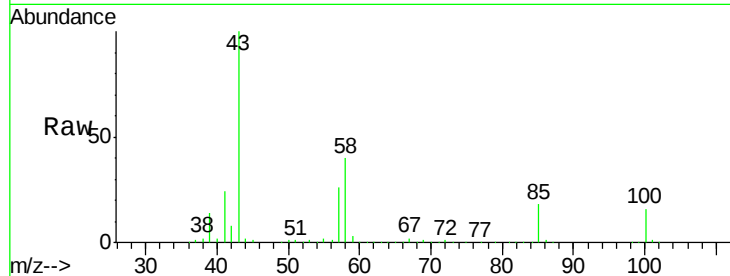
58 38.3 29.5 44.3

Manual Integrations

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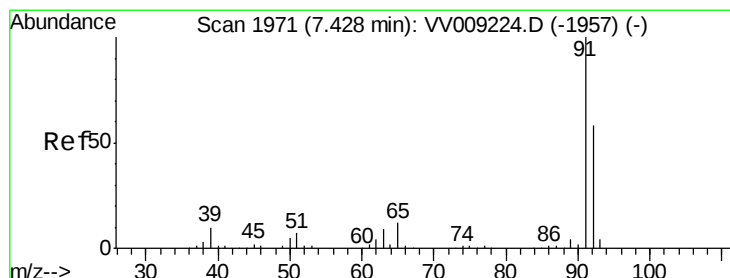
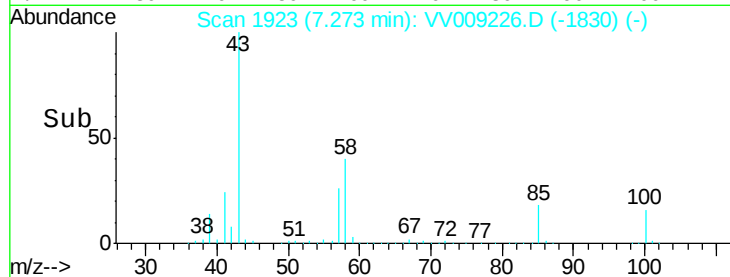
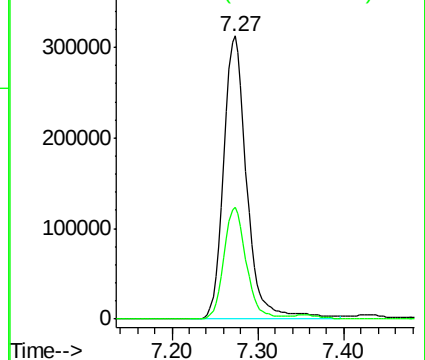
MMDadoda

1/21/2019 10:45:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#52

Toluene

Concen: 156.630 ug/l

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009226.D

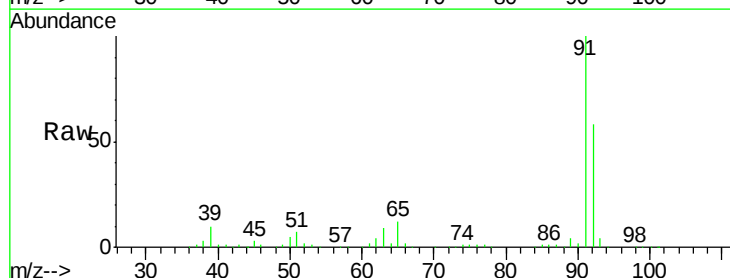
Acq: 18 Jan 2019 17:49

Tgt Ion: 92 Resp: 461749

Ion Ratio Lower Upper

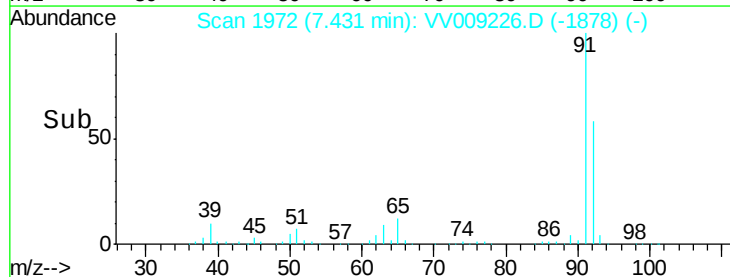
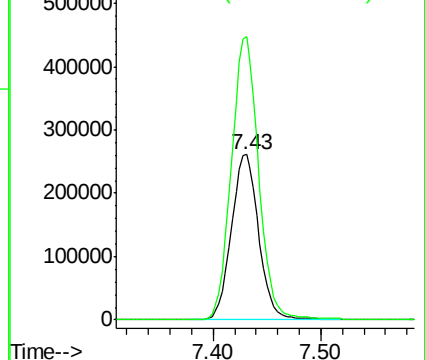
92 100

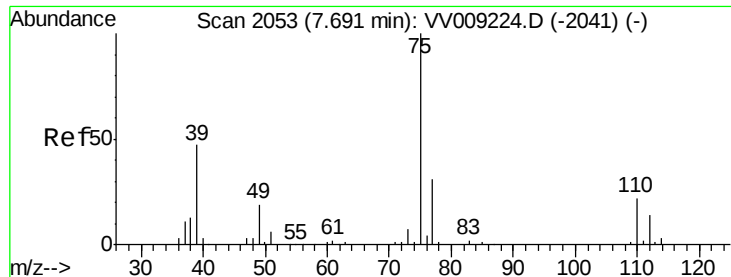
91 172.3 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VV0

Ion 91.00 (90.70 to 91.70): VV0





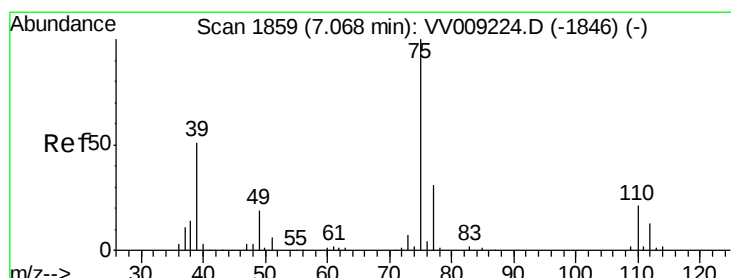
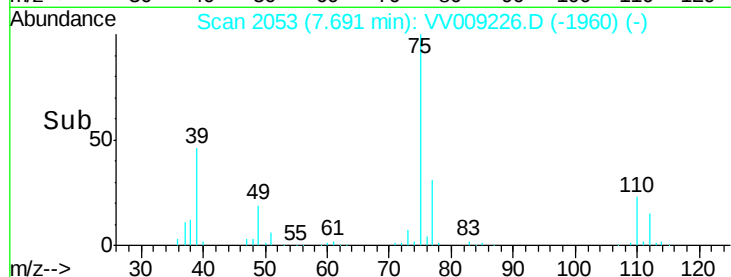
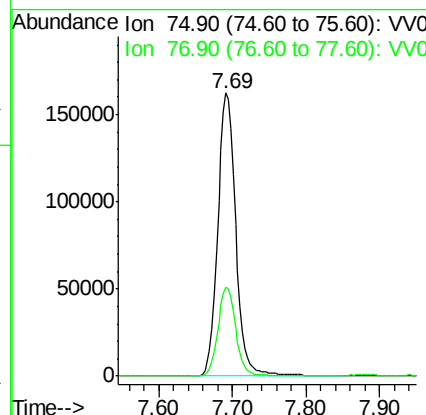
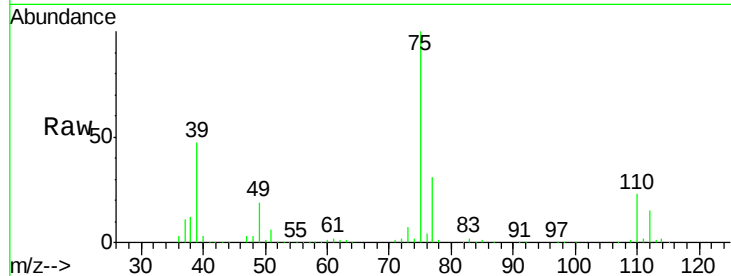
#53
t-1,3-Dichloropropene
Concen: 172.287 ug/l
RT: 7.69 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.4	36.6

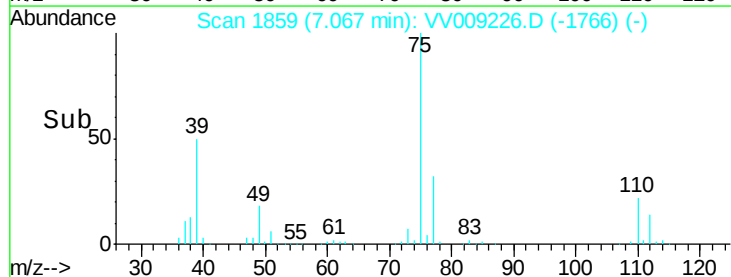
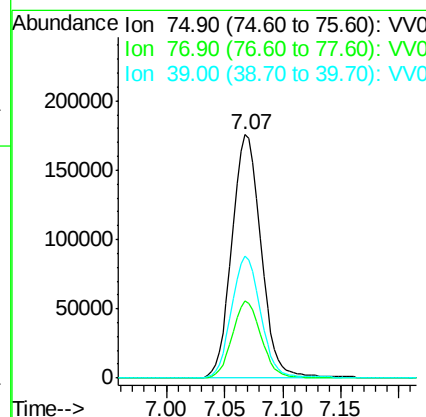
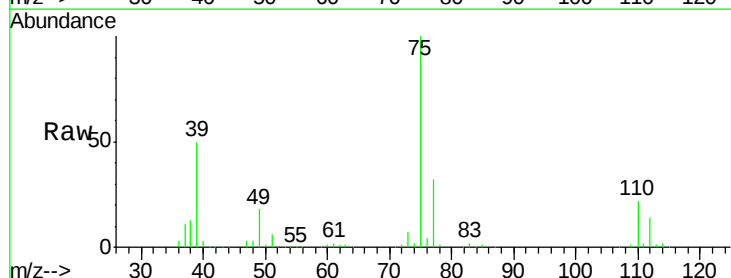
Manual Integrations
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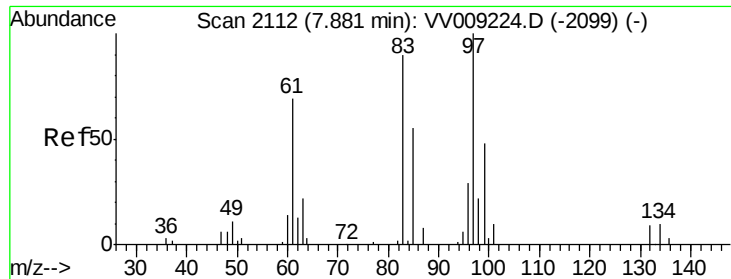
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#54
cis-1,3-Dichloropropene
Concen: 166.112 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.7	37.1
39	50.0	40.8	61.2





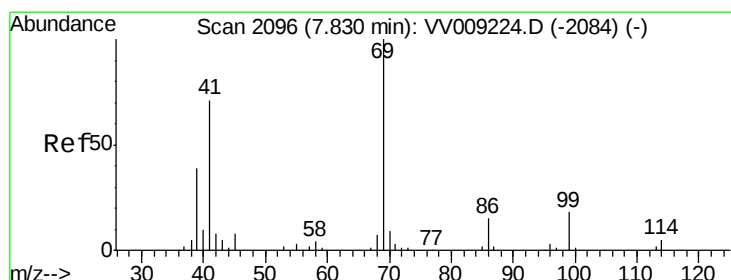
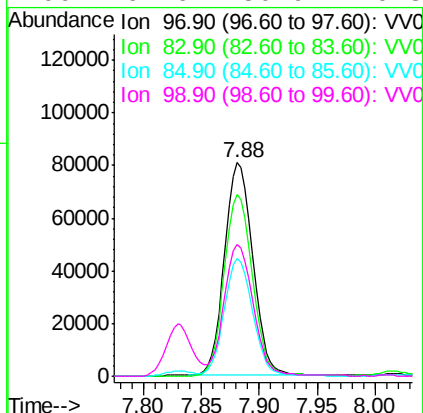
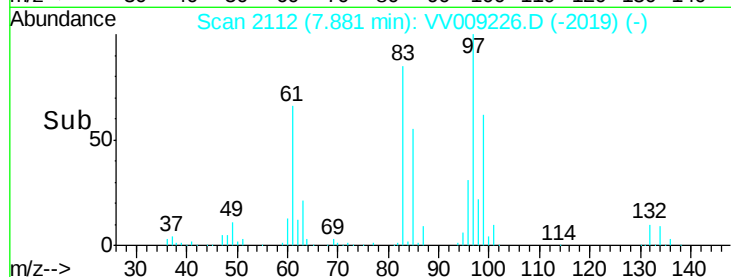
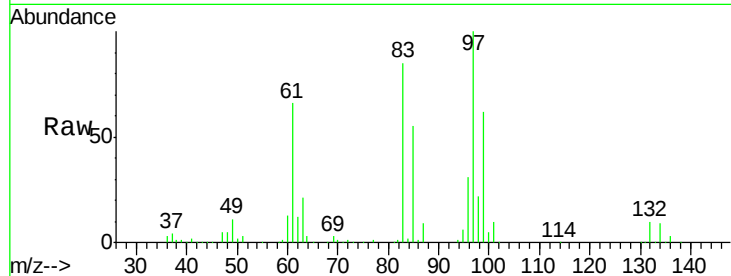
#55
 1,1,2-Trichloroethane
 Concen: 166.944 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	137017
Ion	Ratio	Lower	Upper
97	100		
83	85.3	71.9	107.9
85	55.0	44.8	67.2
99	61.6	50.9	76.3

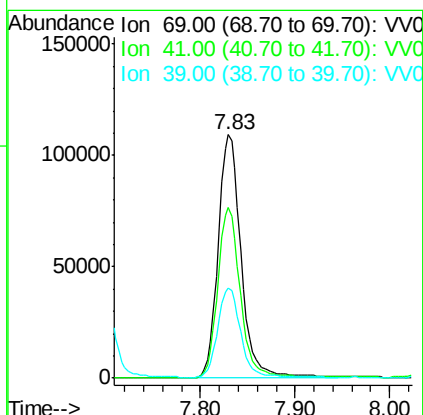
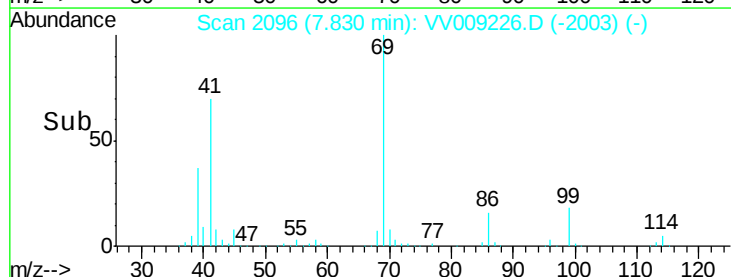
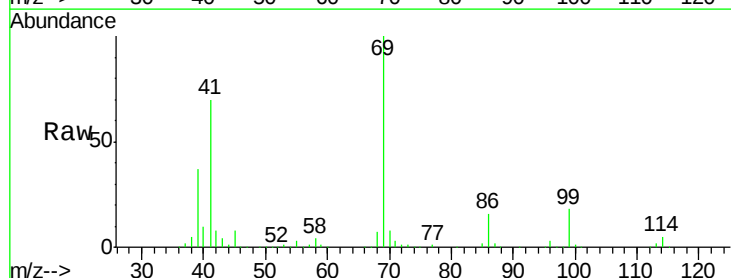
Manual Integrations
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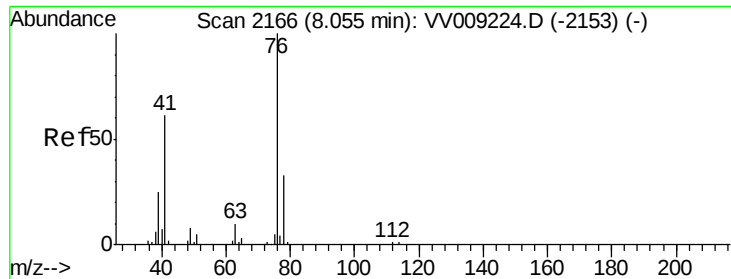
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#56
 Ethyl methacrylate
 Concen: 179.307 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion:	69	Resp:	184971
Ion	Ratio	Lower	Upper
69	100		
41	68.6	55.4	83.2
39	36.7	29.4	44.2





#57

1,3-Dichloropropane

Concen: 164.687 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 254870

Ion Ratio Lower Upper

76 100

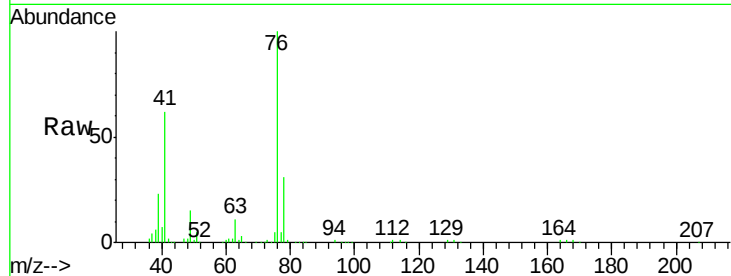
78 31.7 25.8 38.6

Manual Integrations

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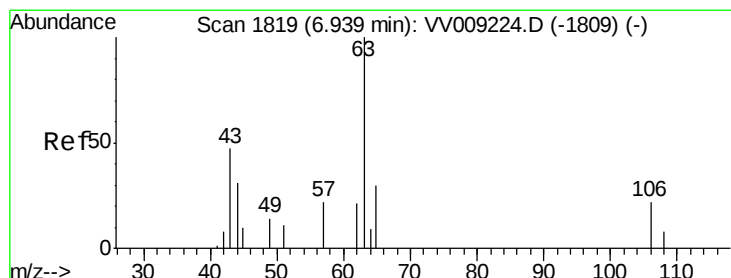
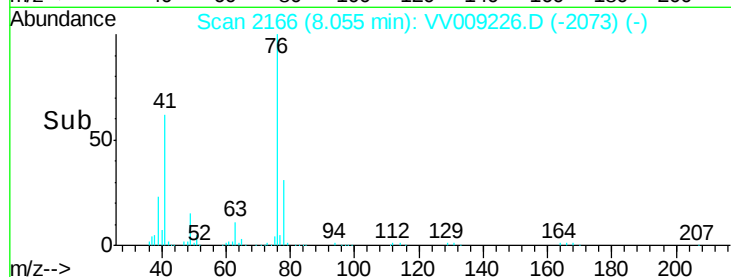
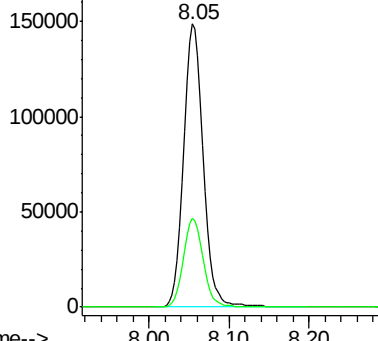
MMDadoda

1/21/2019 10:45:42 AM



Abundance Ion 75.90 (75.60 to 76.60): VV0

Ion 77.90 (77.60 to 78.60): VV0



#58

2-Chloroethyl Vinyl ether

Concen: 2924.100 ug/l

RT: 6.93 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VV009226.D

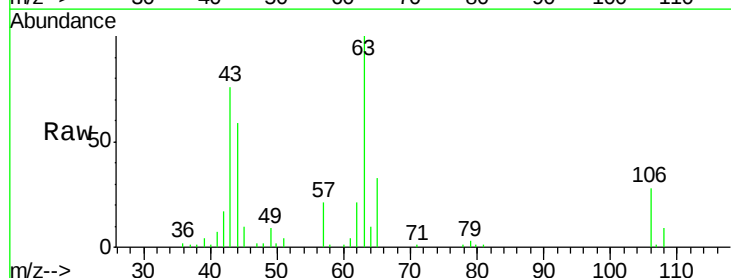
Acq: 18 Jan 2019 17:49

Tgt Ion: 63 Resp: 27105

Ion Ratio Lower Upper

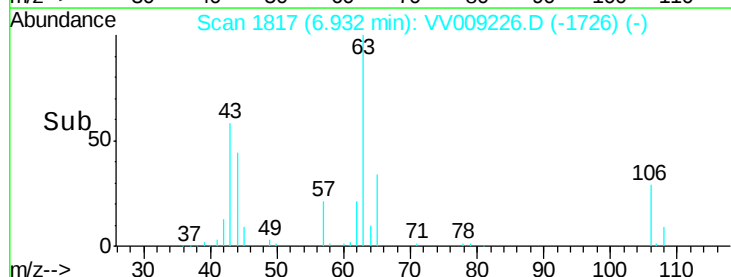
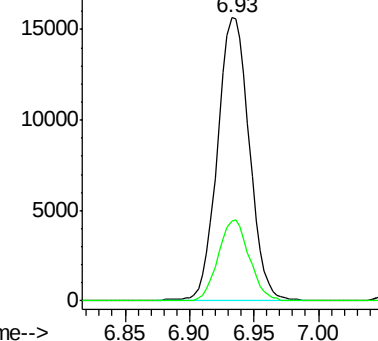
63 100

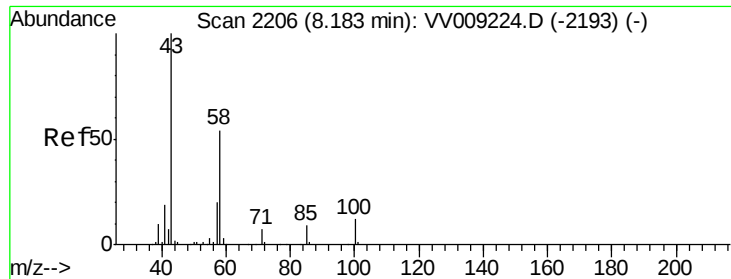
106 27.6 16.6 24.8#



Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 105.90 (105.60 to 106.60): V





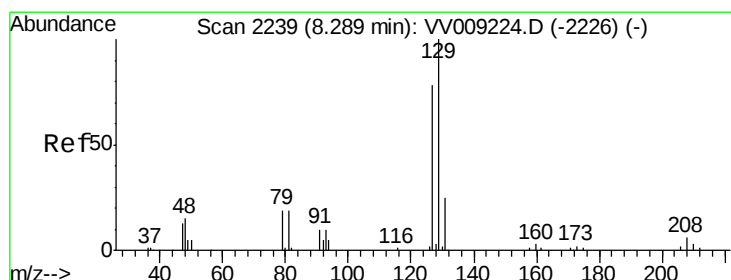
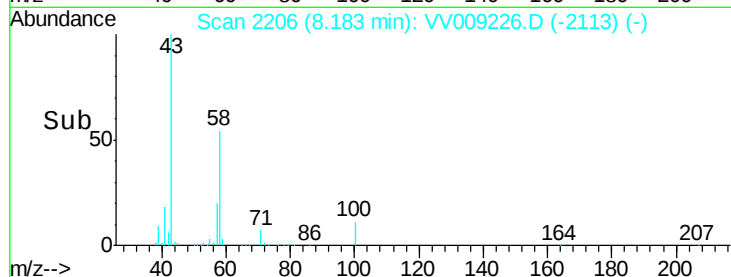
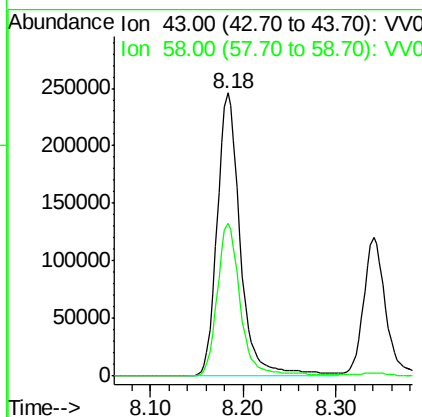
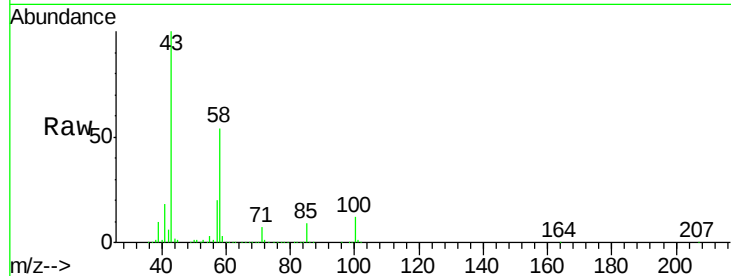
#59
2-Hexanone
Concen: 860.729 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	43	Resp	426852
Ion Ratio	100	Lower	Upper
43	100		
58	53.9	26.3	78.9

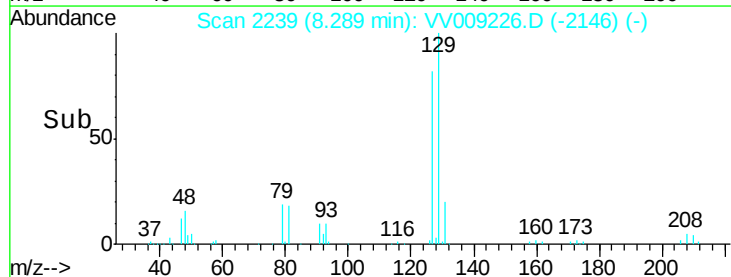
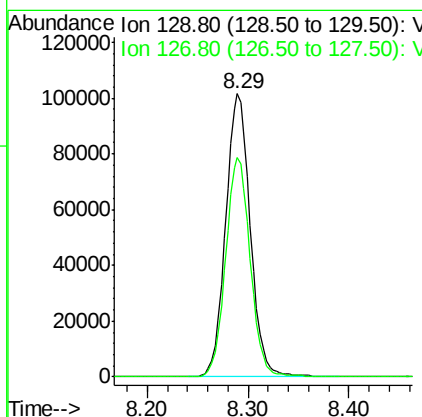
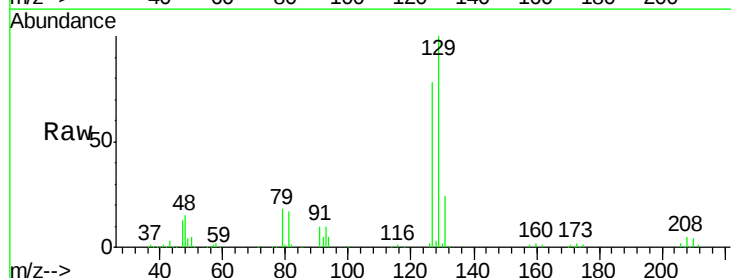
Manual Integrations
APPROVED

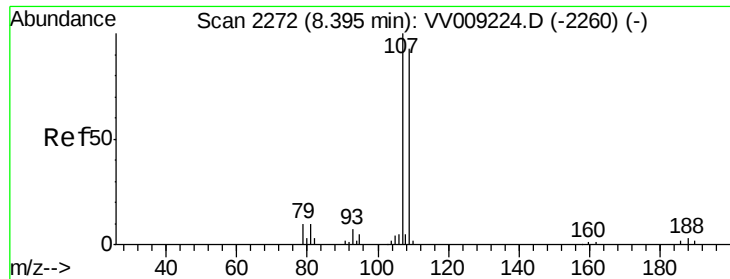
MMDadoda
1/21/2019 10:45:42 AM



#60
Dibromochloromethane
Concen: 171.421 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	129	Resp	173238
Ion Ratio	100	Lower	Upper
129	100		
127	77.5	38.6	115.8





#61

1,2-Dibromoethane

Concen: 169.401 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 138957

Ion Ratio Lower Upper

107 100

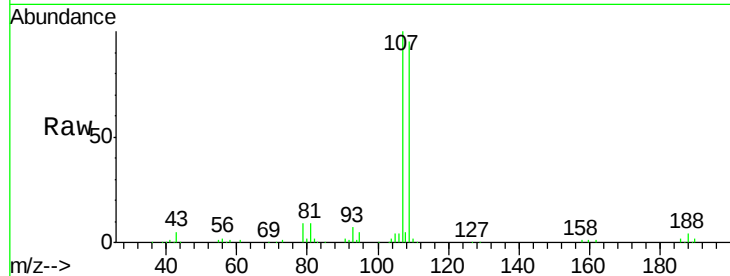
109 94.7 75.5 113.3

Manual Integrations

APPROVED

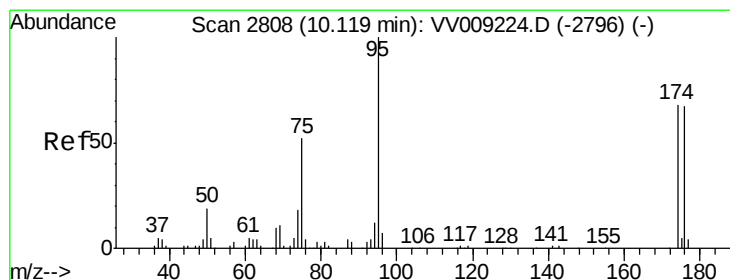
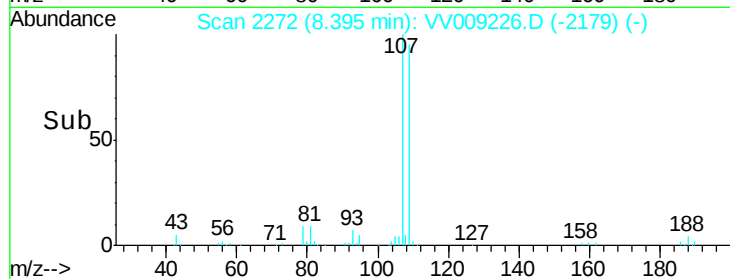
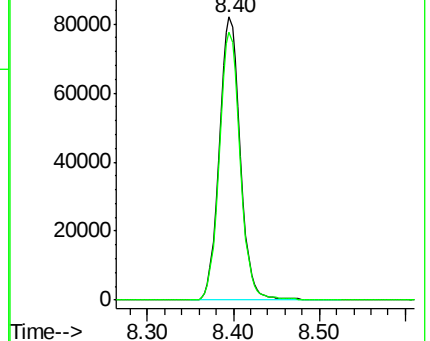
MMDadoda

1/21/2019 10:45:42 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 160.323 ug/l

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

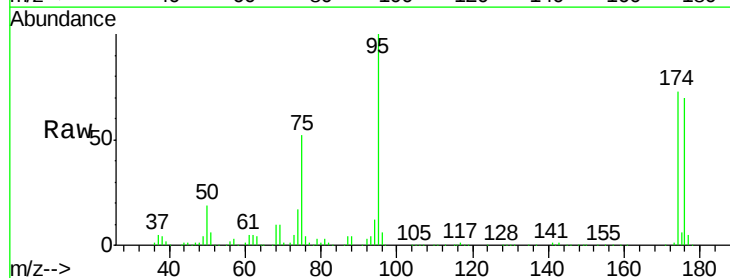
Tgt Ion: 95 Resp: 253865

Ion Ratio Lower Upper

95 100

174 72.4 0.0 141.6

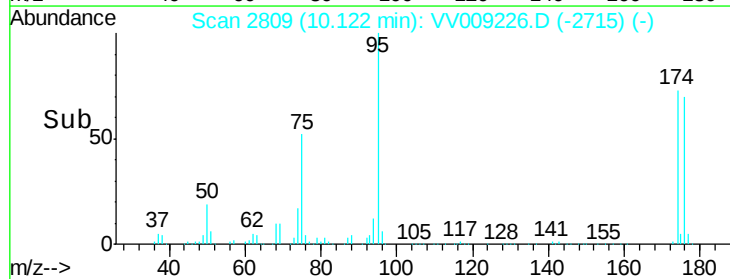
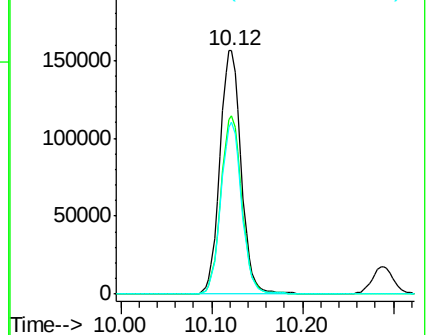
176 69.2 0.0 138.6

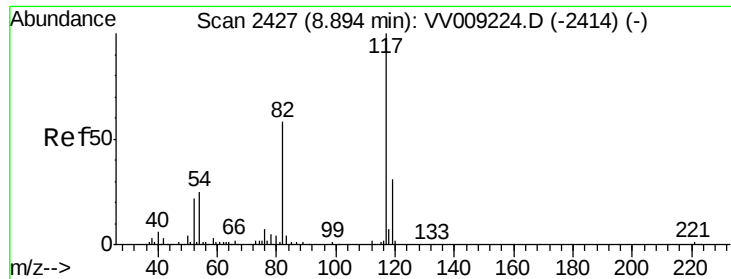


Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





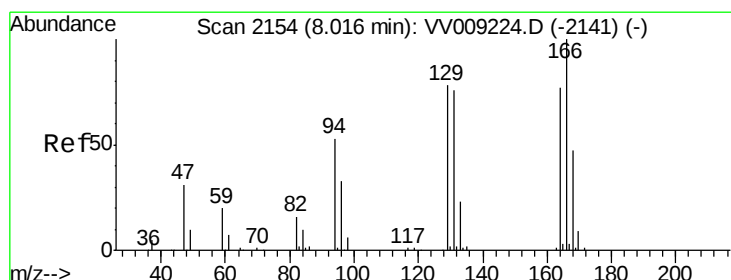
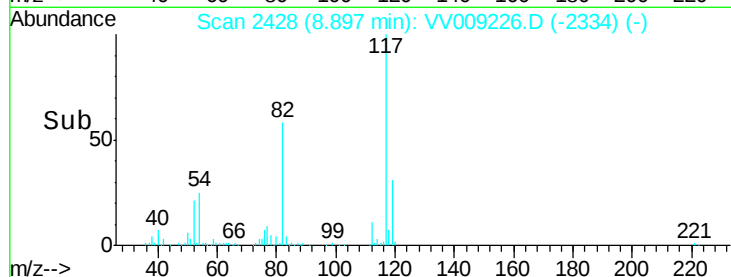
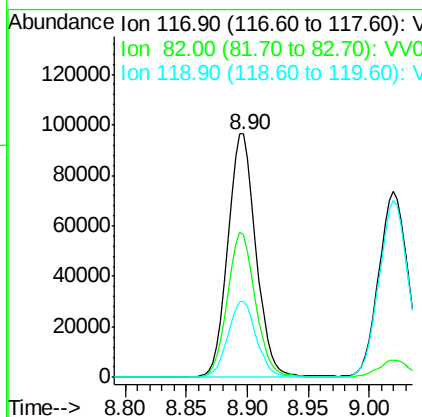
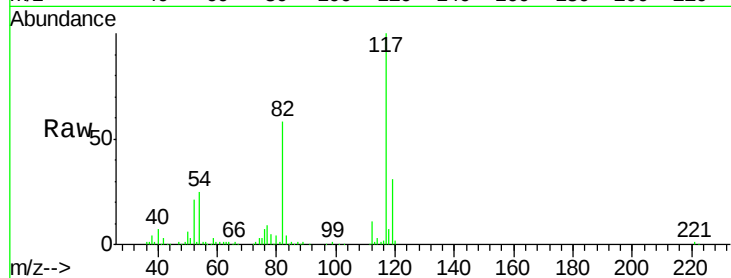
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.90 min Scan# 2428
Delta R.T. 0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	156432		
82	58.3	46.2	69.2	
119	31.4	25.0	37.4	

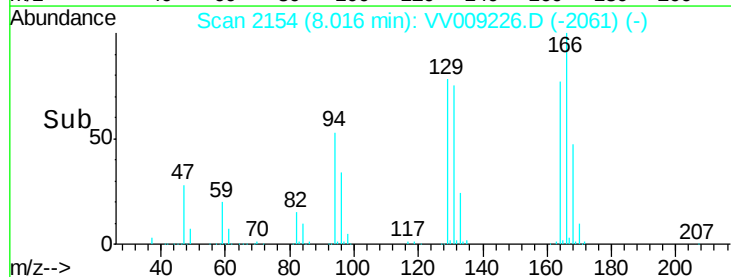
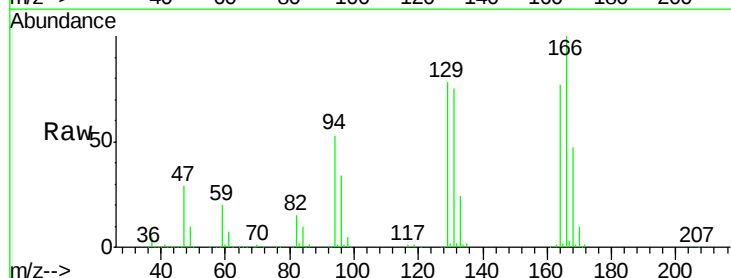
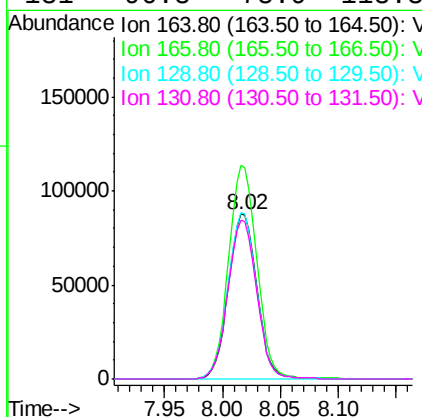
Manual Integrations
APPROVED

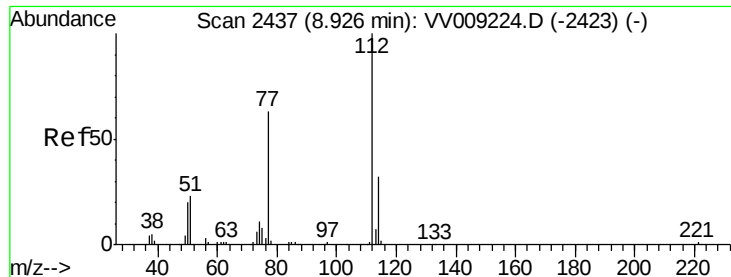
MMDadoda
1/21/2019 10:45:42 AM



#64
Tetrachloroethene
Concen: 154.631 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	150025		
166	129.8	104.2	156.2	
129	101.0	81.0	121.4	
131	96.8	78.9	118.3	





#65

Chlorobenzene

Concen: 155.574 ug/l

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 512170

Ion Ratio Lower Upper

112 100

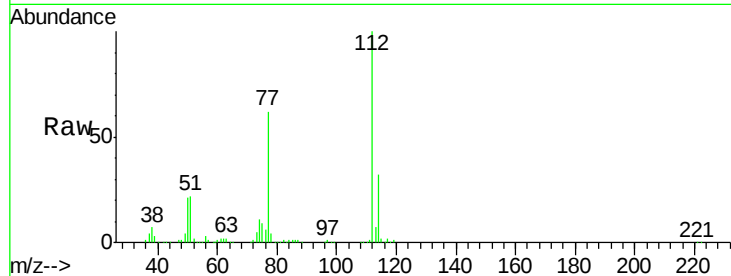
114 31.8 25.8 38.6

Manual Integrations

APPROVED

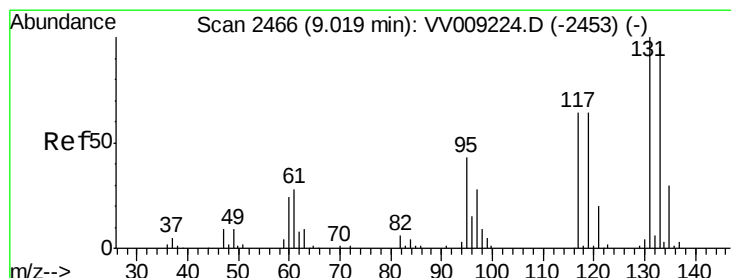
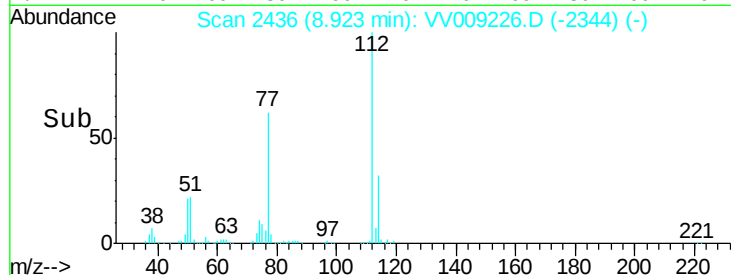
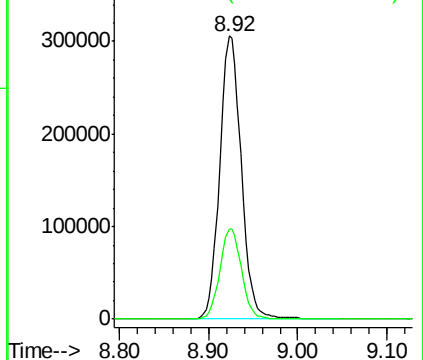
MMDadoda

1/21/2019 10:45:42 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 160.426 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

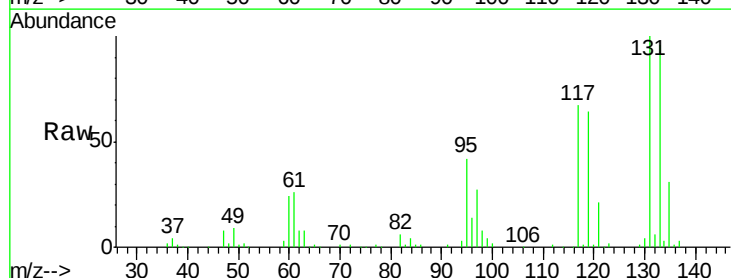
Tgt Ion:131 Resp: 187557

Ion Ratio Lower Upper

131 100

133 94.1 47.3 141.8

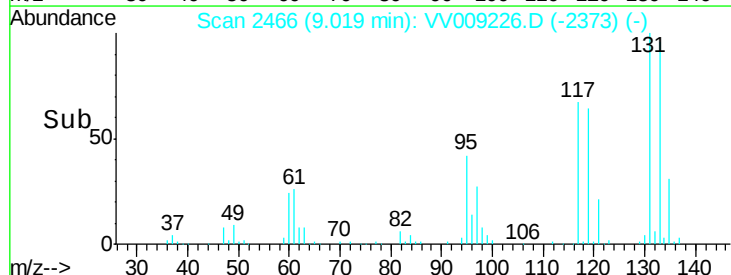
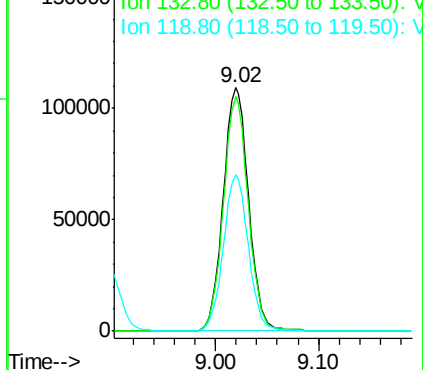
119 63.3 32.5 97.5

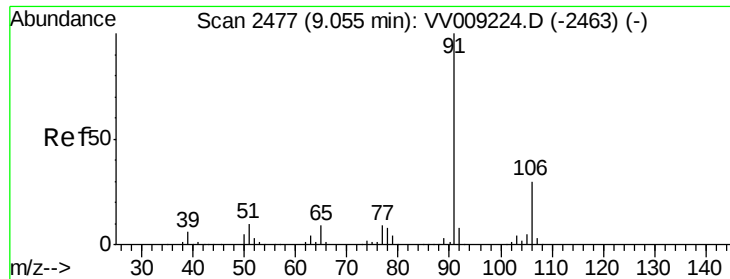


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 155.252 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 921618

Ion Ratio Lower Upper

91 100

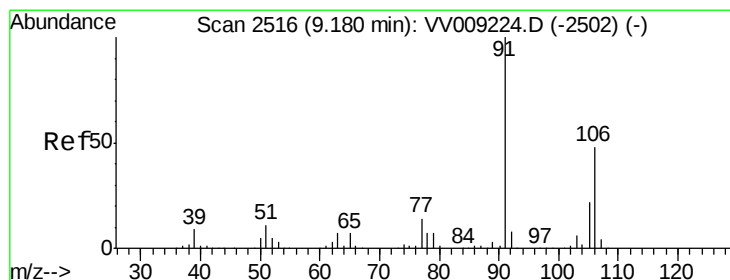
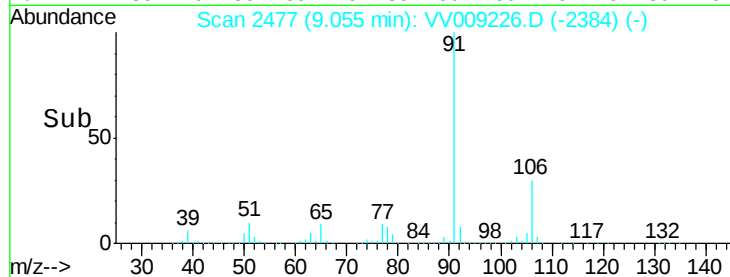
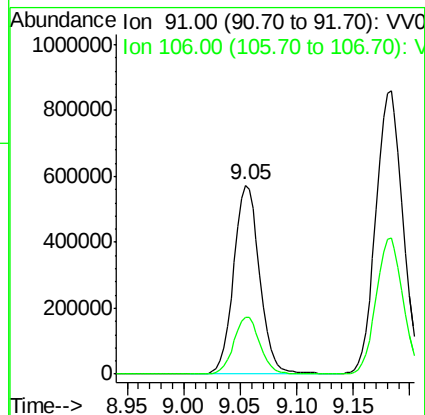
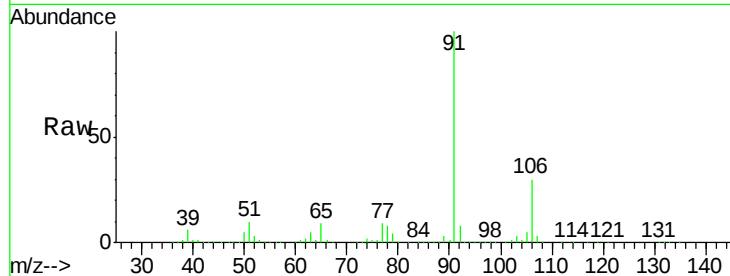
106 30.1 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 313.070 ug/l

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009226.D

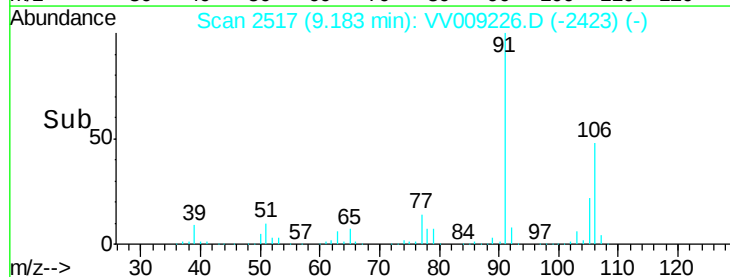
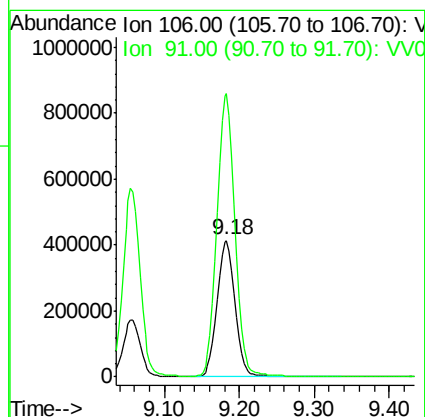
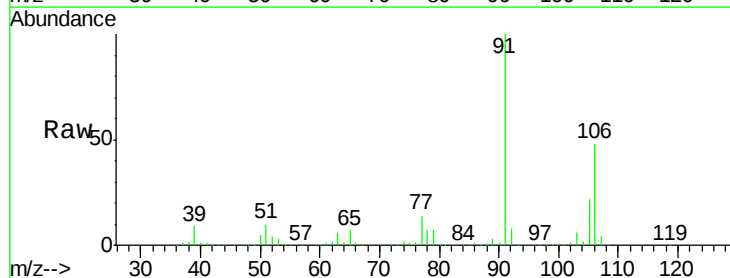
Acq: 18 Jan 2019 17:49

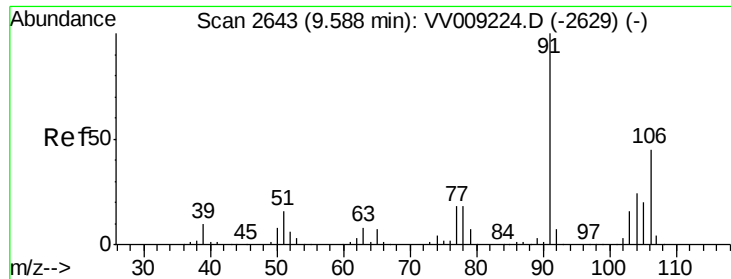
Tgt Ion: 106 Resp: 693404

Ion Ratio Lower Upper

106 100

91 210.2 170.4 255.6





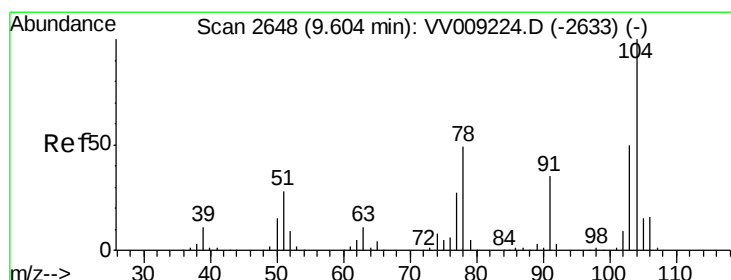
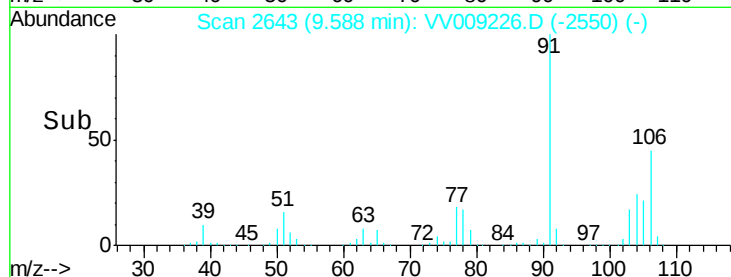
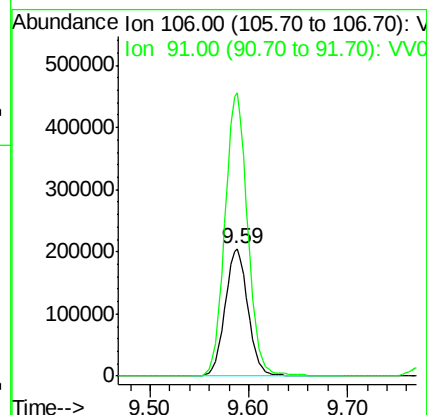
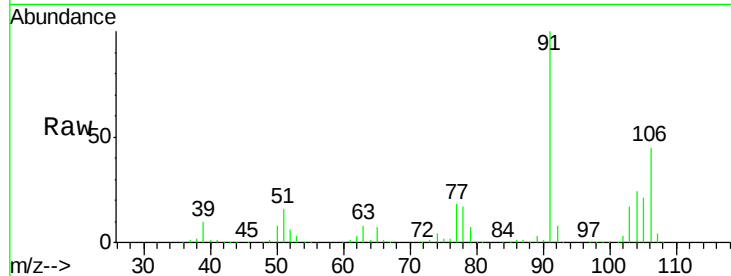
#69
o-Xylene
Concen: 157.835 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 335436
Ion Ratio Lower Upper
106 100
91 220.5 110.6 331.8

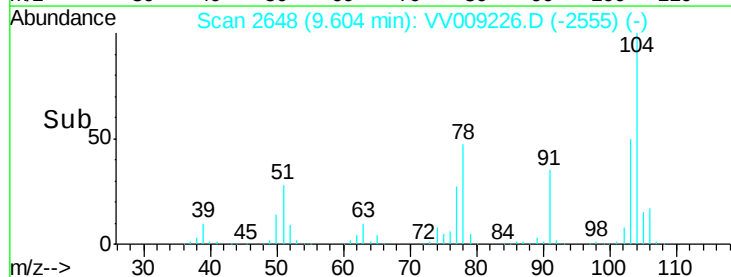
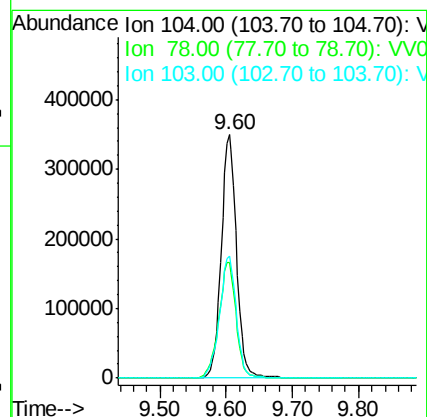
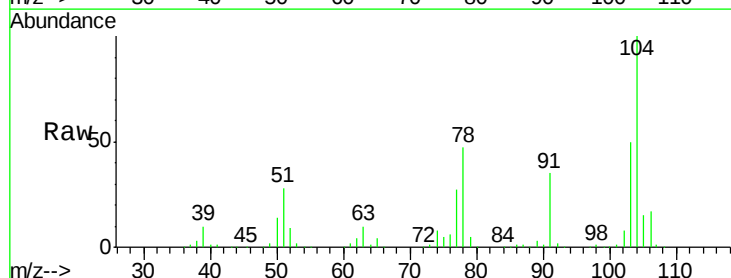
Manual Integrations
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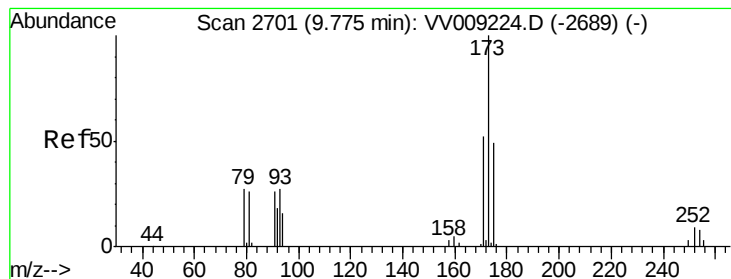
MMDadoda
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#70
Styrene
Concen: 160.389 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion:104 Resp: 559100
Ion Ratio Lower Upper
104 100
78 53.5 43.7 65.5
103 54.9 44.0 66.0





#71

Bromoform

Concen: 174.576 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 98789

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.4

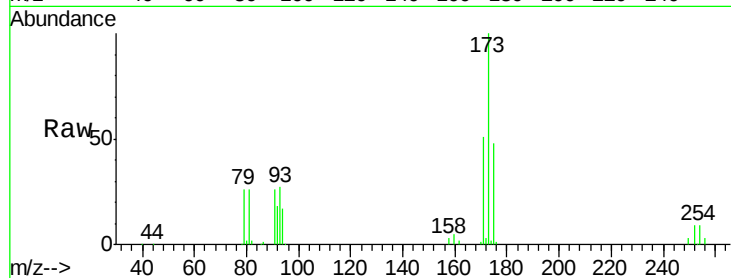
254 0.0 0.0 0.0#

Manual Integrations

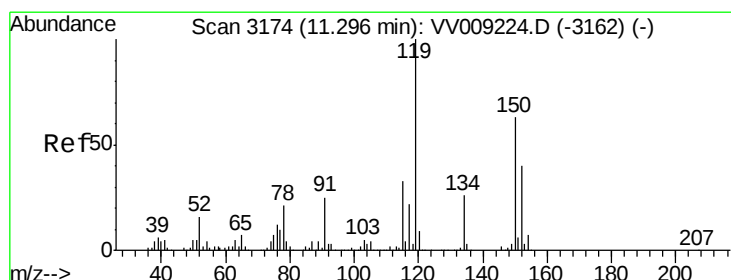
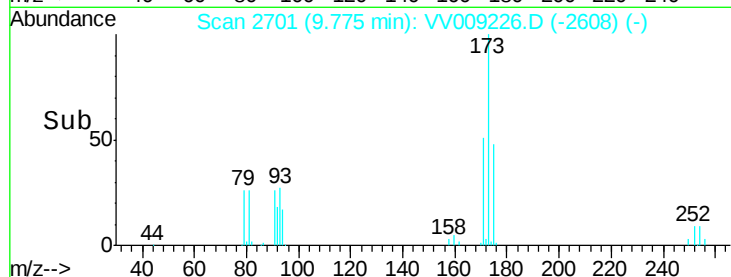
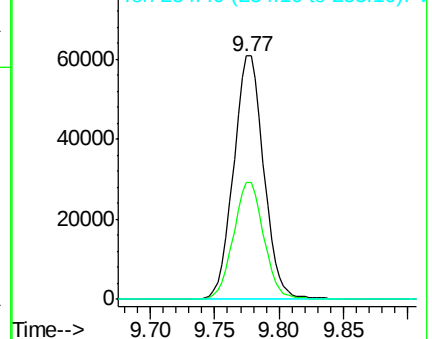
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

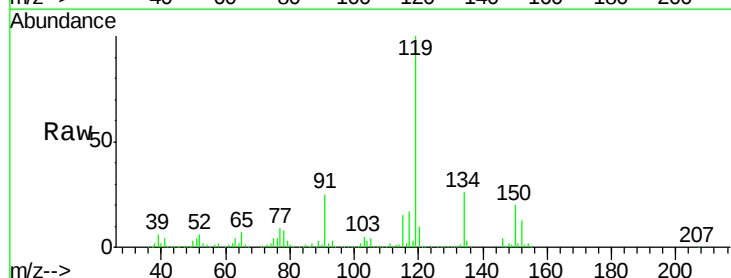
Tgt Ion:152 Resp: 80932

Ion Ratio Lower Upper

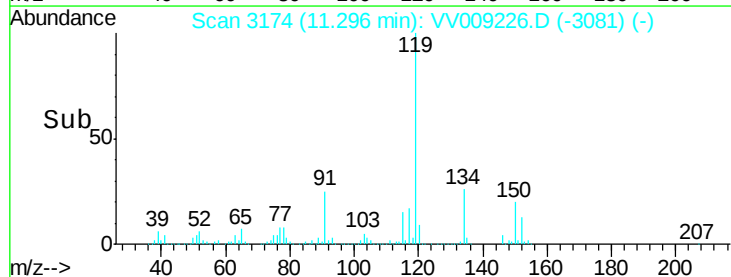
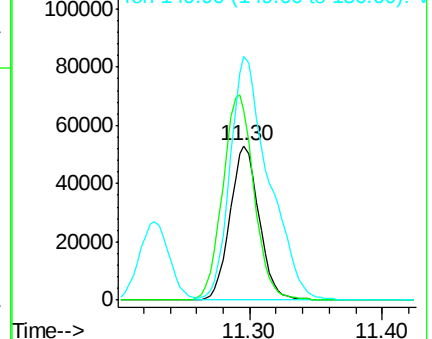
152 100

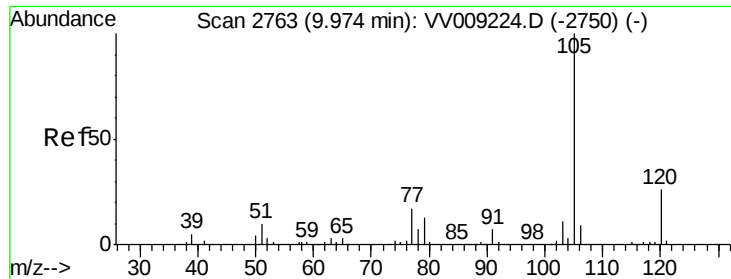
115 142.9 45.1 135.3#

150 209.7 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 152.717 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion: 105 Resp: 919820

Ion Ratio Lower Upper

105 100

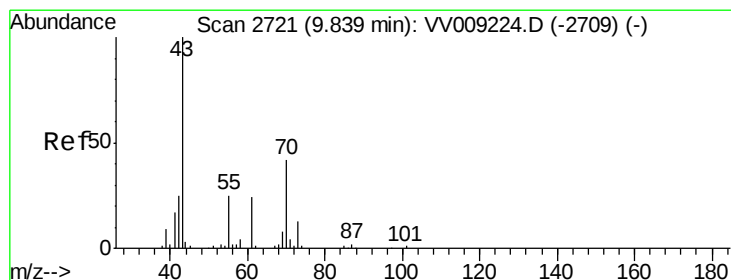
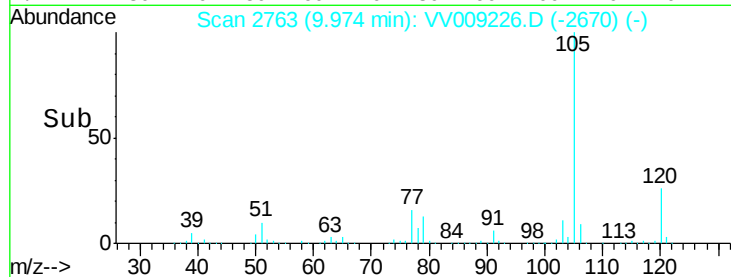
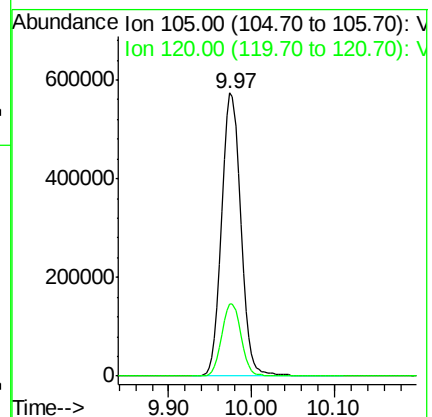
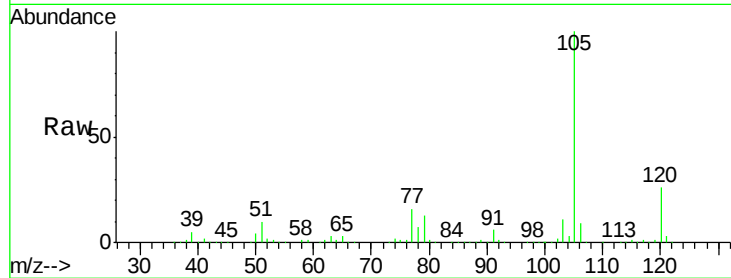
120 25.9 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 174.181 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Tgt Ion: 43 Resp: 222972

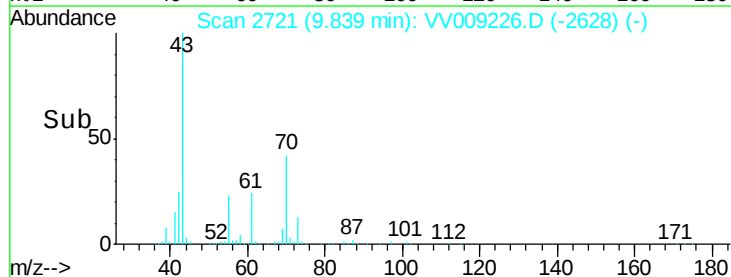
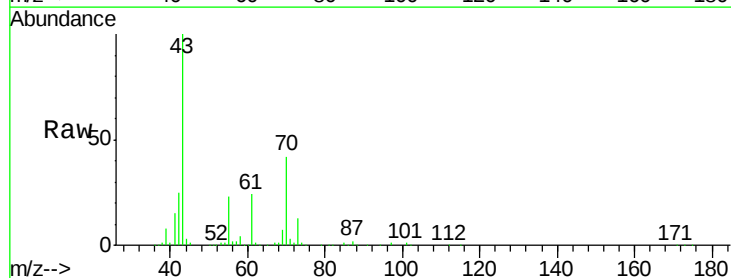
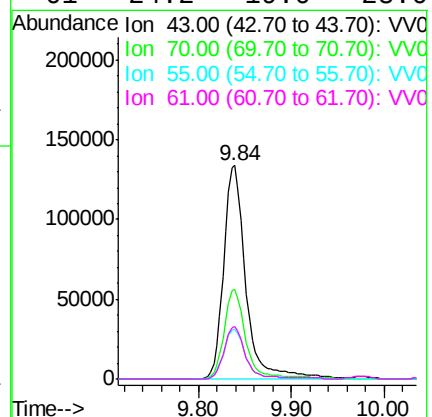
Ion Ratio Lower Upper

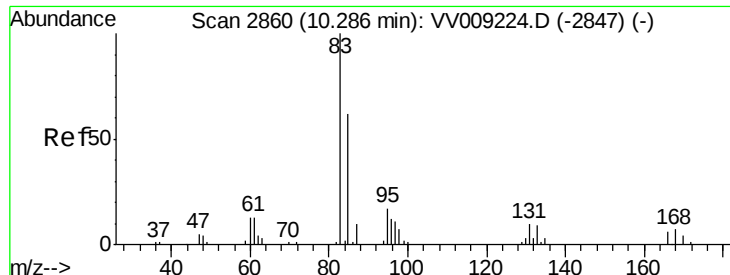
43 100

70 41.7 32.4 48.6

55 23.9 19.9 29.9

61 24.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 157.418 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

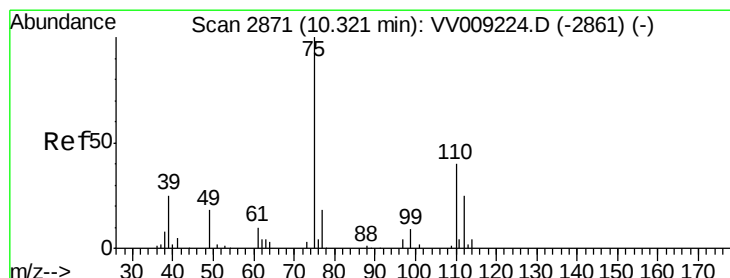
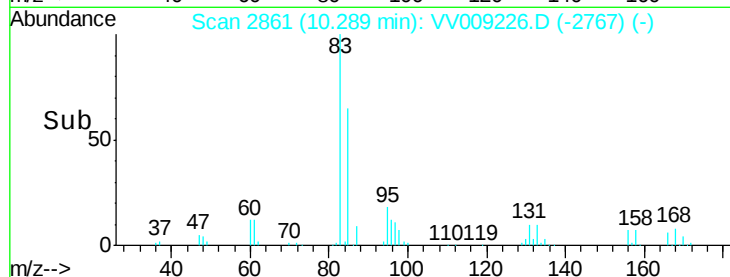
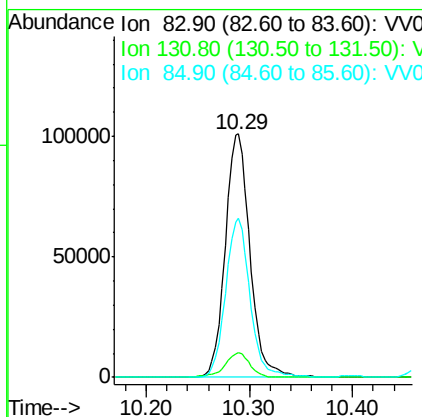
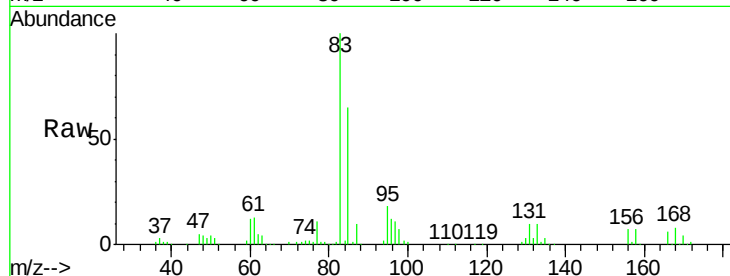
ClientSampled :

VSTDIC150

Tot Ion:	83	Resp:	168746
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.7	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 161.416 ug/l m

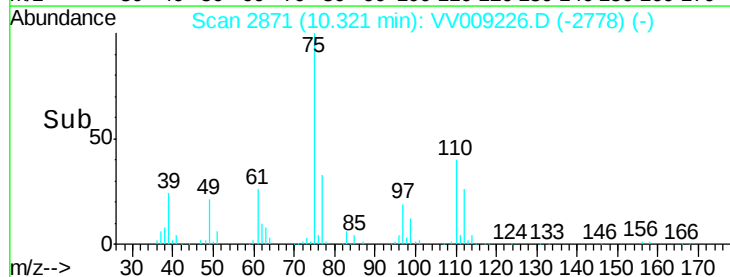
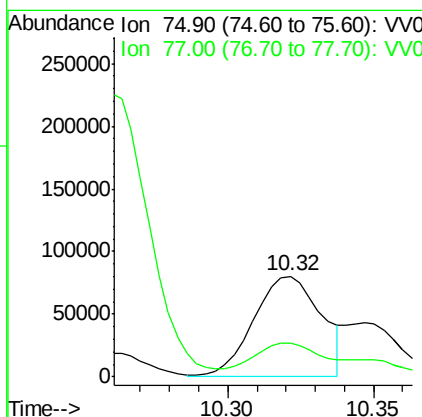
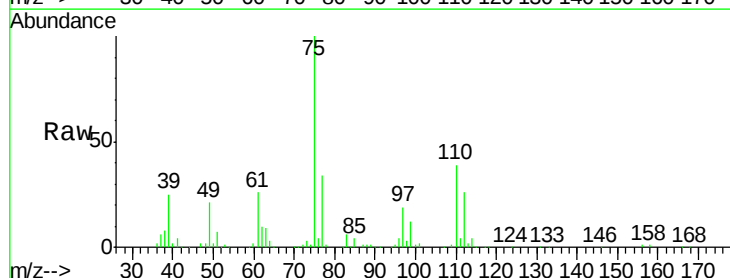
RT: 10.32 min Scan# 2871

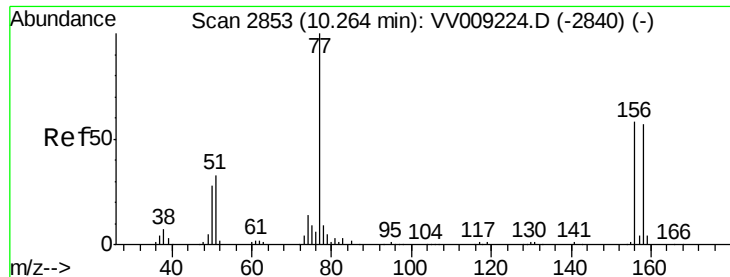
Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Tgt Ion:	75	Resp:	130565
Ion Ratio	Lower	Upper	
75	100		
77	12.9	24.1	72.3#





#77

Bromobenzene

Concen: 156.632 ug/l

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

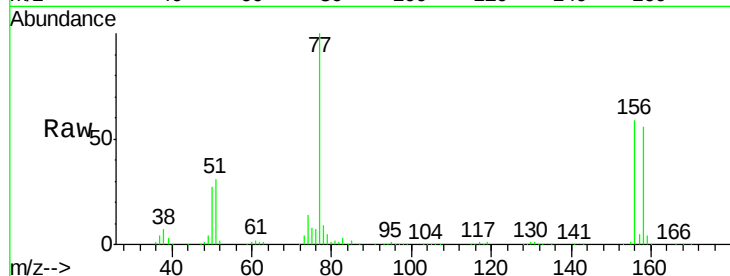
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	206006
Ion Ratio	Lower	Upper	
156	100		
77	172.9	86.6	259.7
158	97.2	48.8	146.3

Manual Integrations
APPROVED

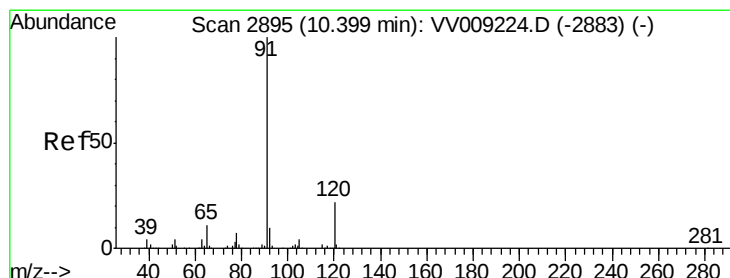
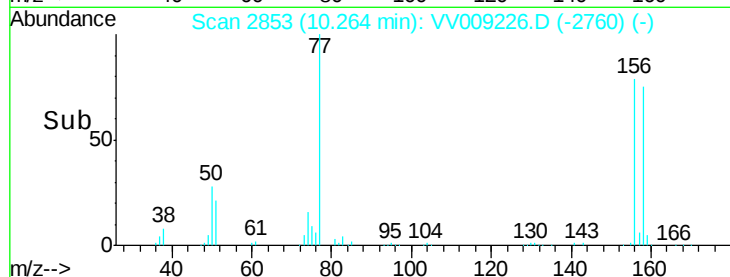
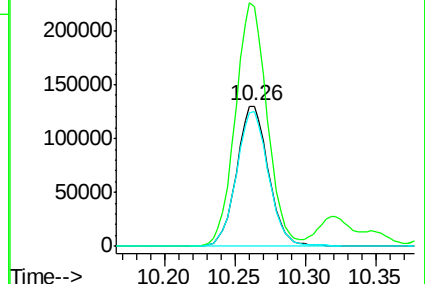
MMDadoda
1/21/2019 10:45:42 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 151.597 ug/l

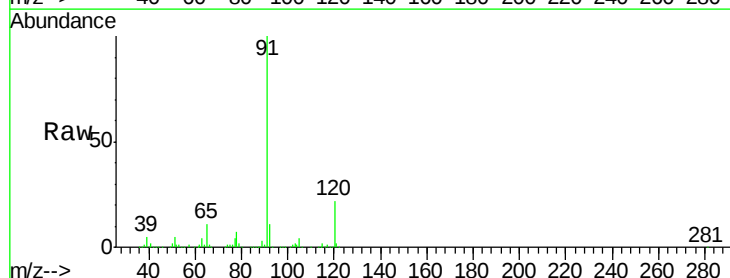
RT: 10.40 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VV009226.D

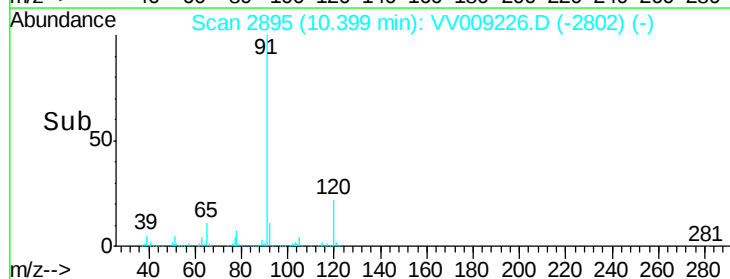
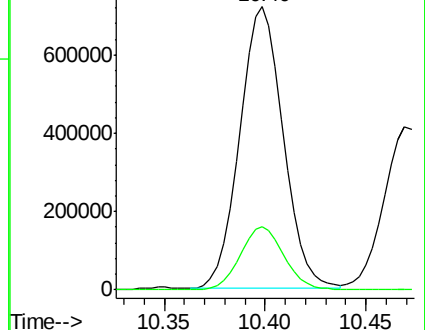
Acq: 18 Jan 2019 17:49

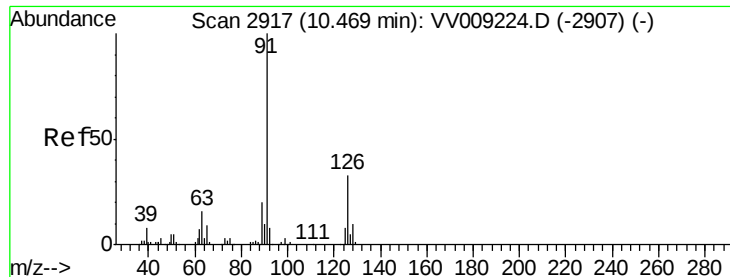
Tgt Ion:	91	Resp:	1090502
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





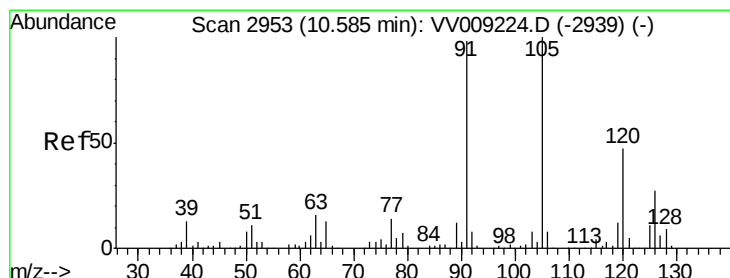
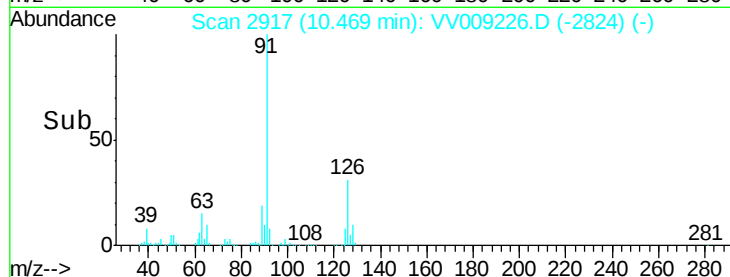
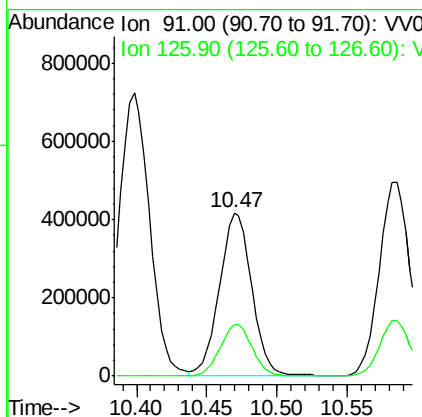
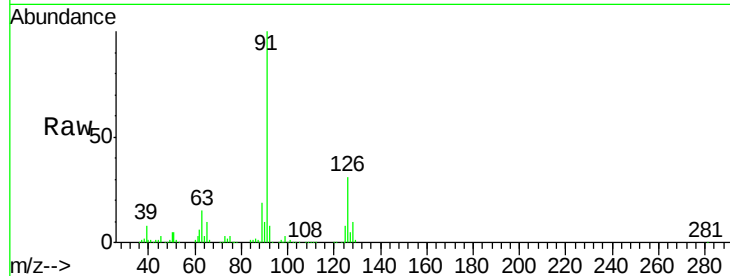
#79
 2-Chlorotoluene
 Concen: 153.360 ug/l
 RT: 10.47 min Scan# 2917
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	47.9

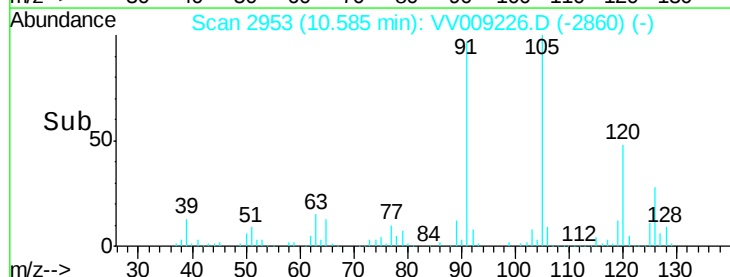
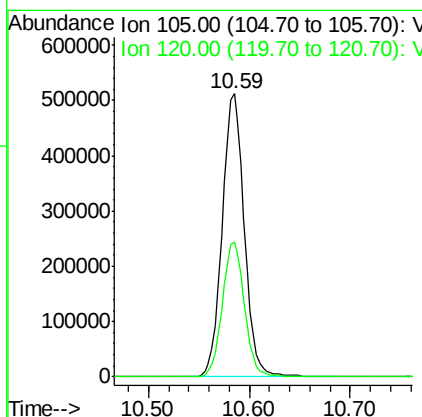
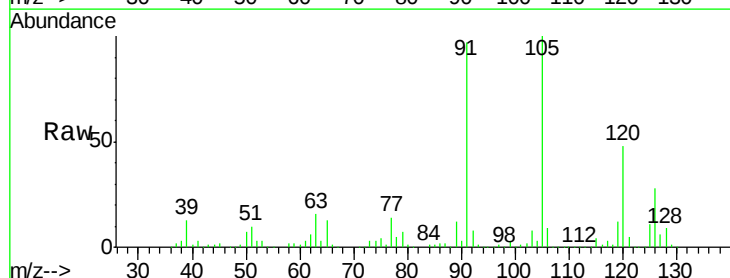
Manual Integrations
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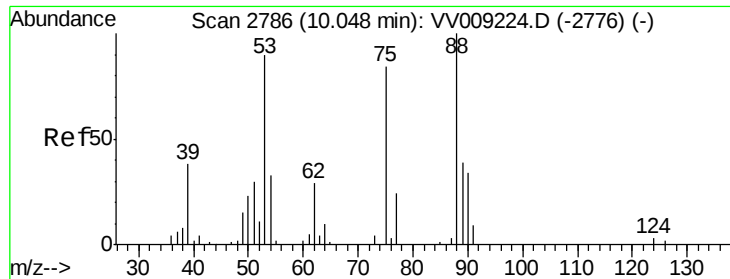
MMDadoda
 1/21/2019 10:45:42 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 153.028 ug/l
 RT: 10.59 min Scan# 2953
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.8	71.5





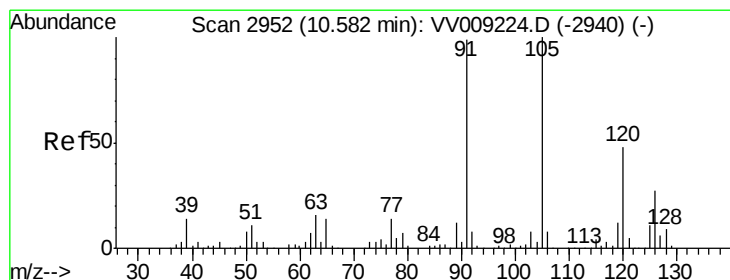
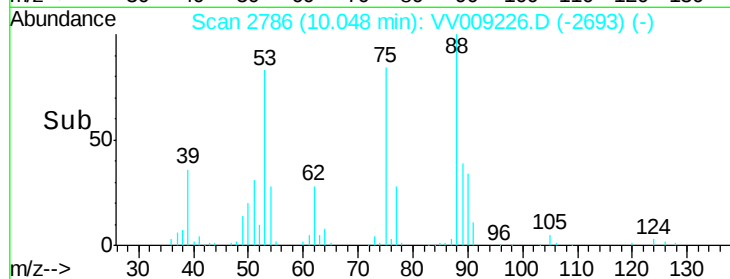
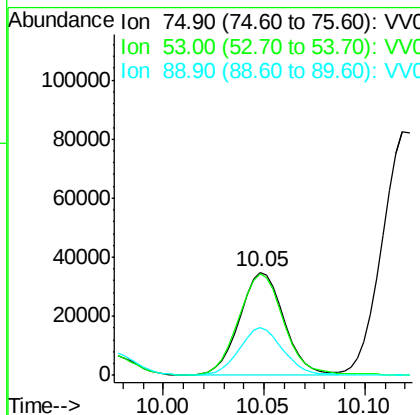
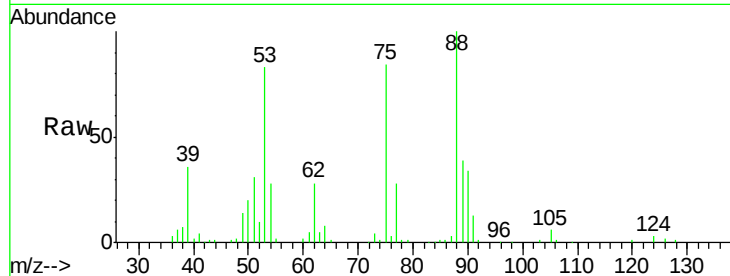
#81
trans-1,4-Dichloro-2-butene
Concen: 174.385 ug/l
RT: 10.05 min Scan# 2786
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.6	85.5	128.3
89	45.1	36.3	54.5

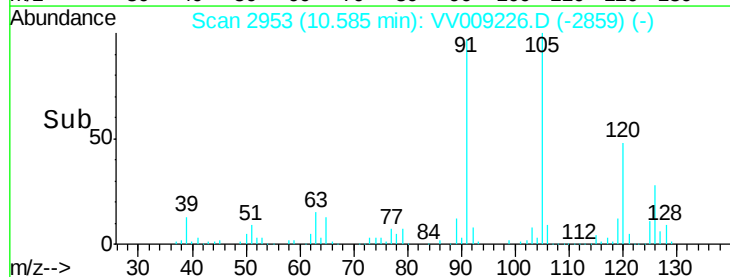
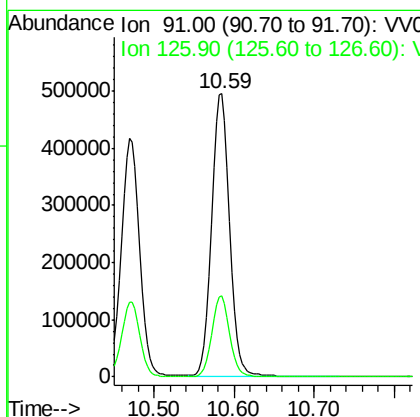
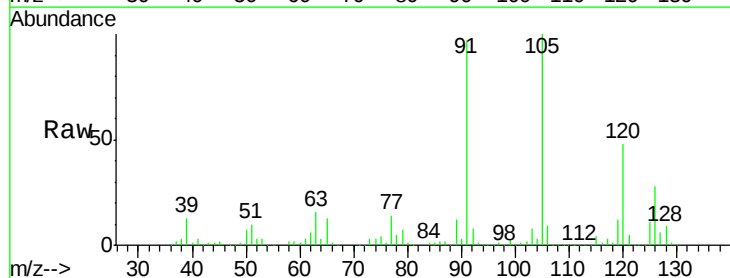
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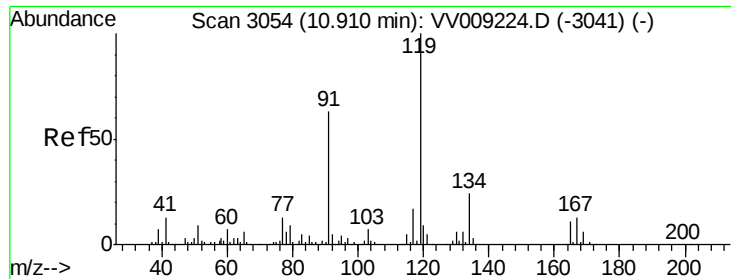
MMDadoda
1/21/2019 10:45:42 AM



#82
4-Chlorotoluene
Concen: 150.945 ug/l
RT: 10.59 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	13.9	41.7





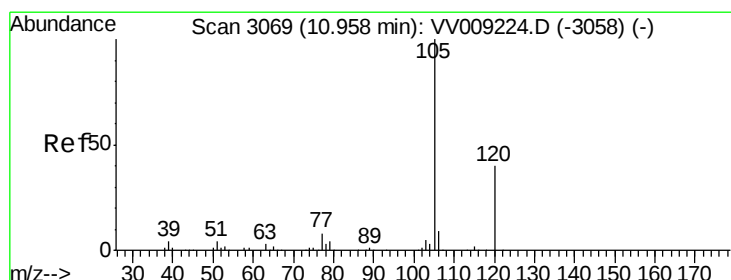
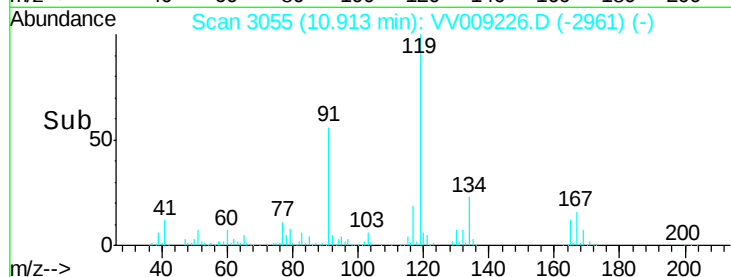
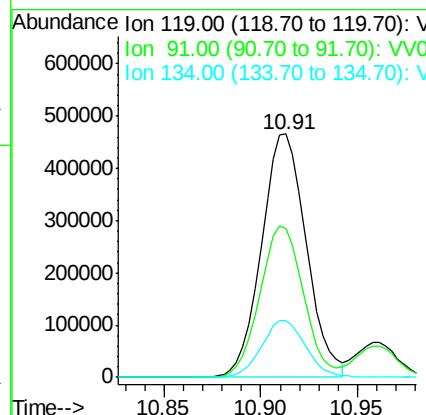
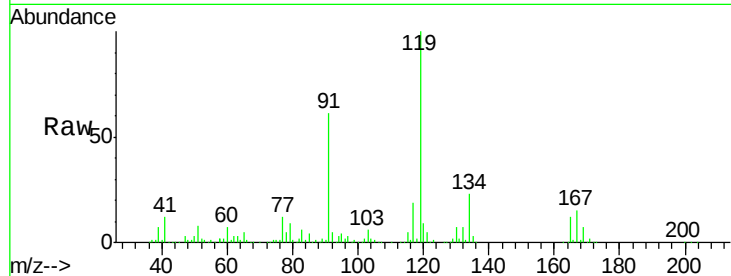
#83
tert-Butylbenzene
Concen: 154.565 ug/l
RT: 10.91 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	750319		
91	60.4		30.5	91.5
134	23.1		11.8	35.4

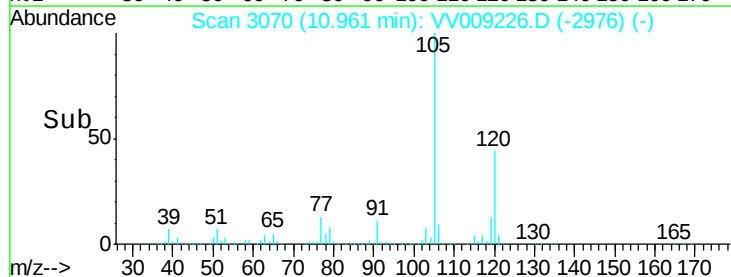
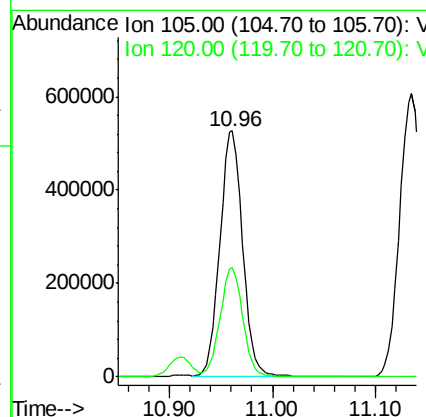
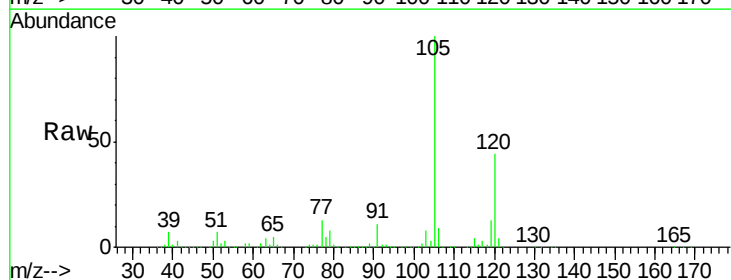
Manual Integrations
APPROVED

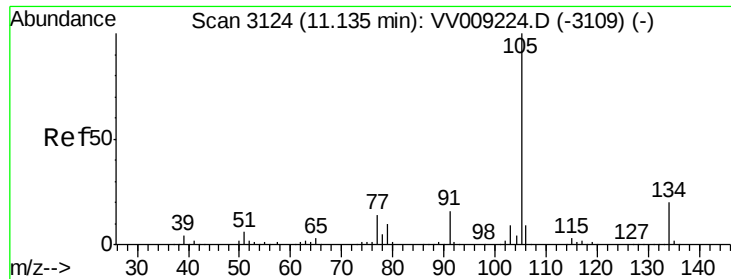
MMDadoda
1/21/2019 10:45:42 AM



#84
1,2,4-Trimethylbenzene
Concen: 154.137 ug/l
RT: 10.96 min Scan# 3070
Delta R.T. 0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	807527		
120	44.4		22.2	66.6





#85

sec-Butylbenzene

Concen: 153.247 ug/l

RT: 11.13 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 956069

Ion Ratio Lower Upper

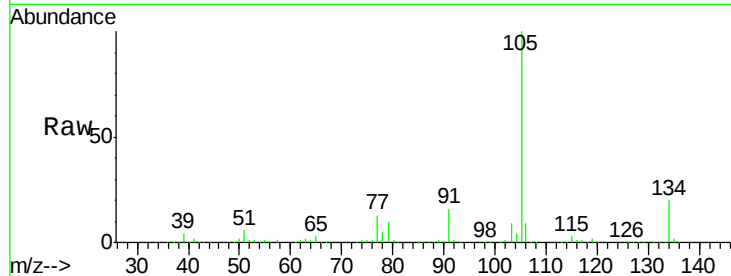
105 100

134 19.8 9.8 29.5

Manual Integrations
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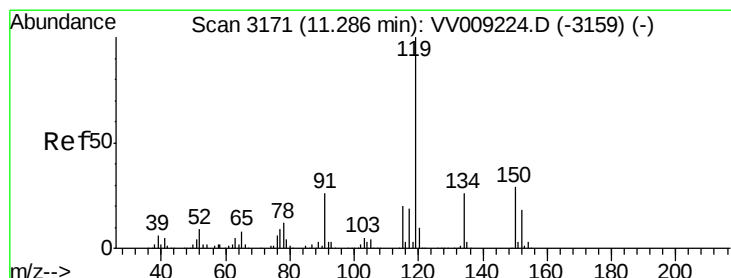
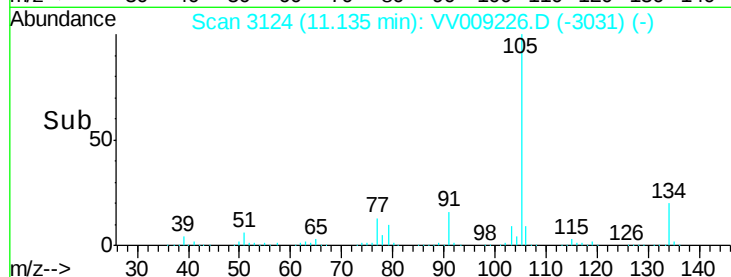
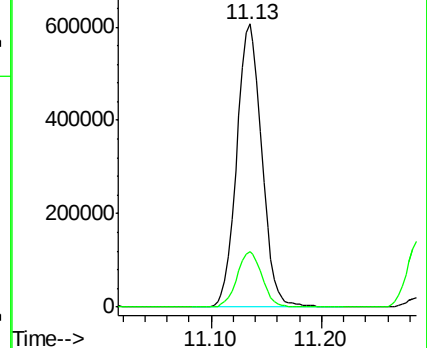
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 153.406 ug/l

RT: 11.29 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VV009226.D

Acq: 18 Jan 2019 17:49

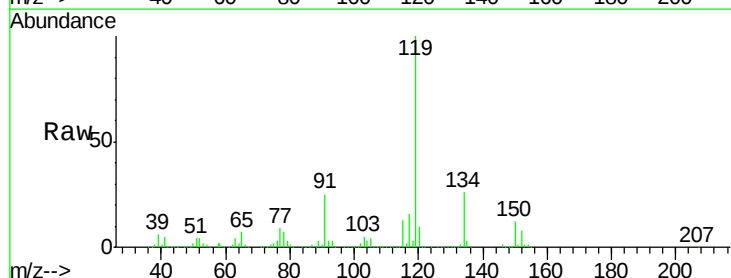
Tgt Ion:119 Resp: 850702

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

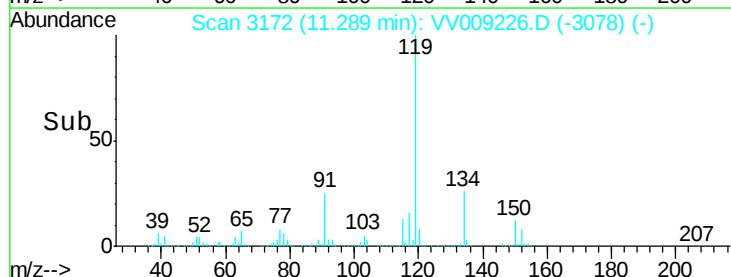
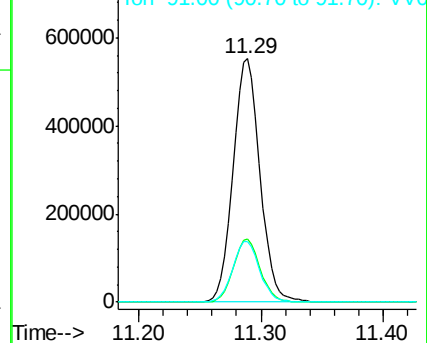
91 25.2 12.9 38.7

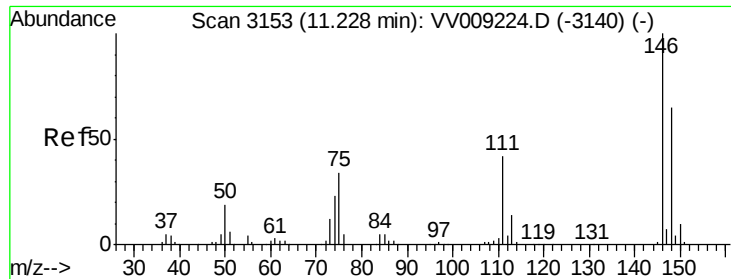


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VV0





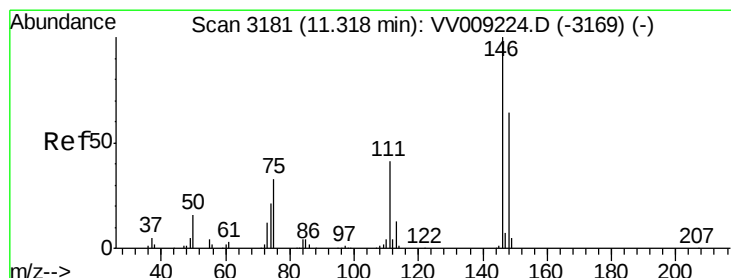
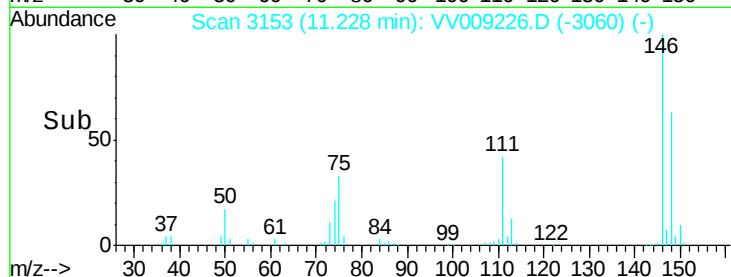
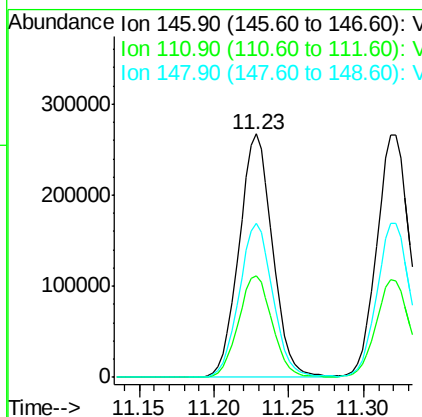
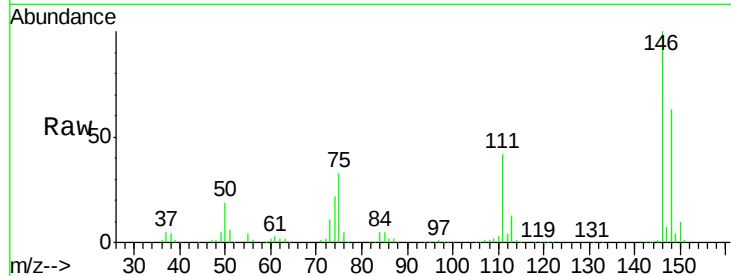
#87
 1,3-Dichlorobenzene
 Concen: 156.468 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	63.5	32.2	96.6

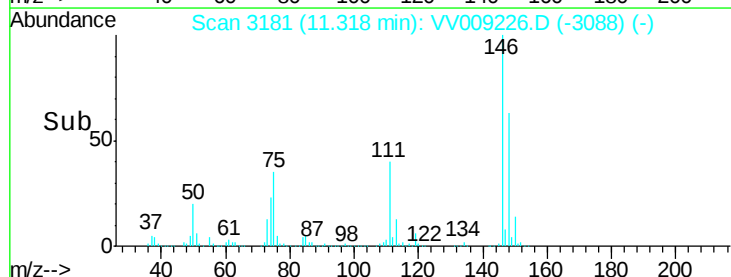
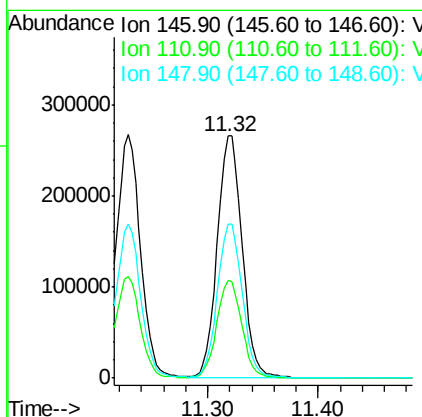
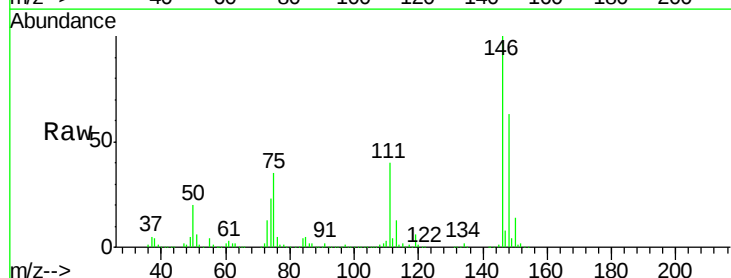
Manual Integrations
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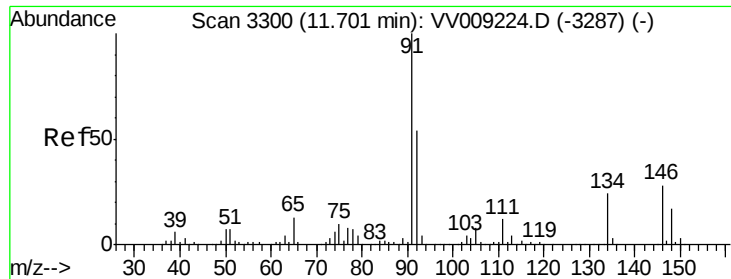
MMDadoda
 1/21/2019 10:45:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 155.491 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.0	63.0
148	63.8	31.8	95.3





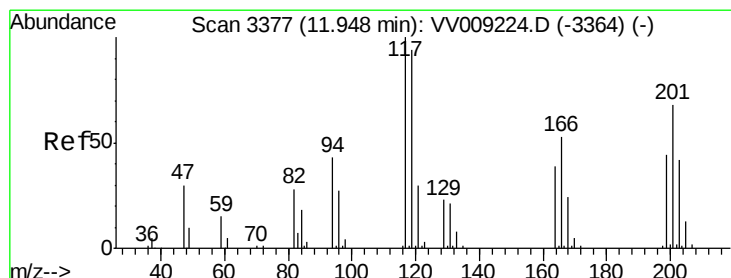
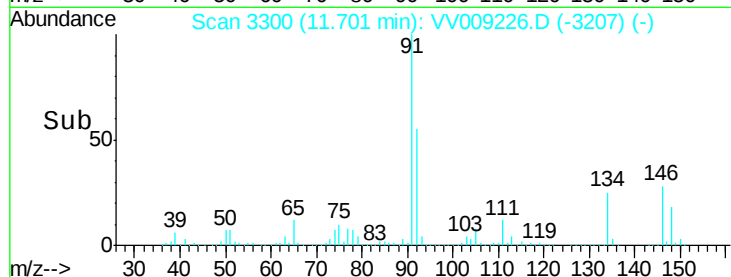
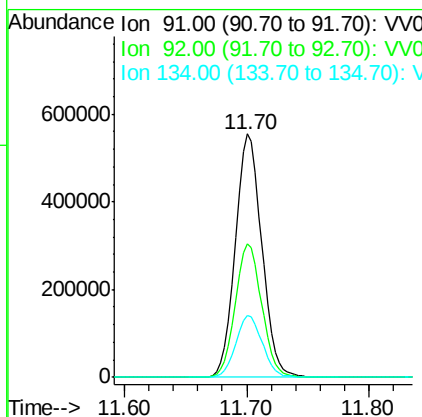
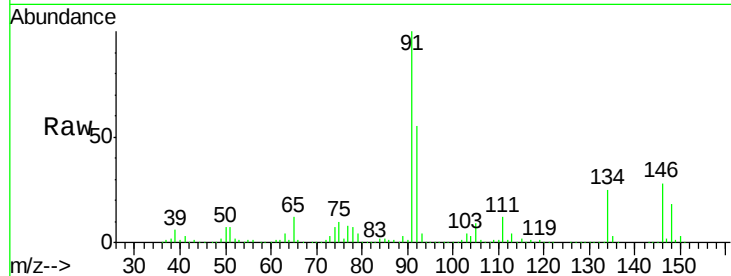
#89
n-Butylbenzene
Concen: 153.106 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	26.8	80.3
134	25.4	12.4	37.0

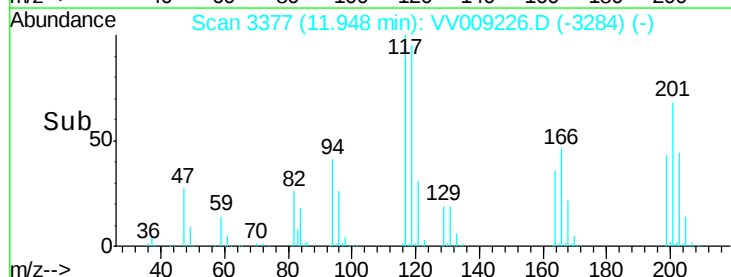
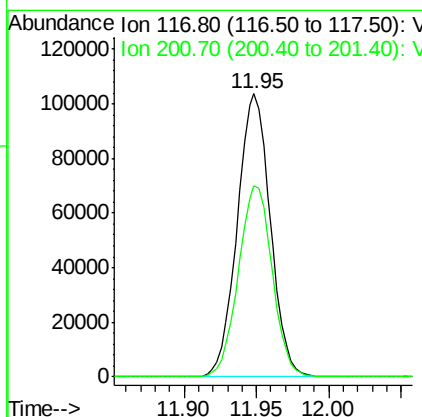
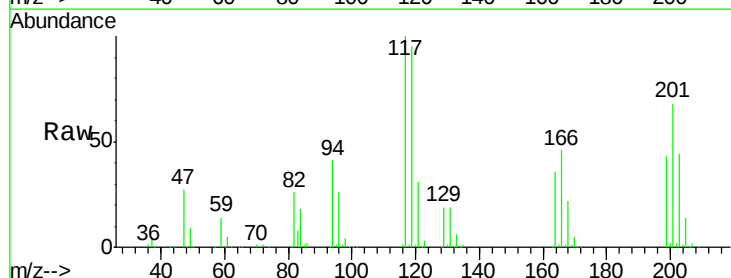
Manual Integrations
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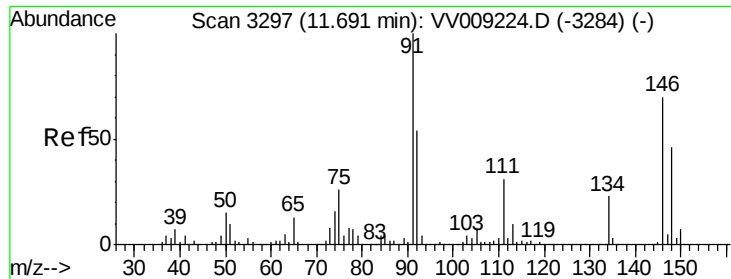
MMDadoda
1/21/2019 10:45:42 AM



#90
Hexachloroethane
Concen: 161.495 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.4	103.2





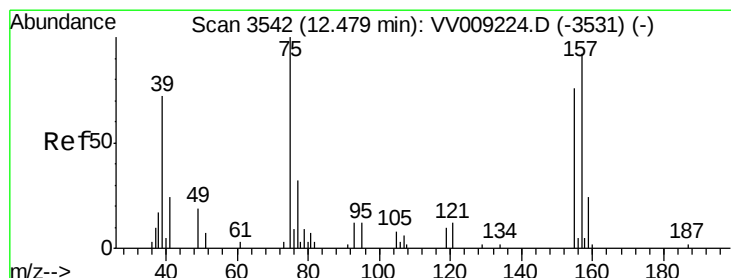
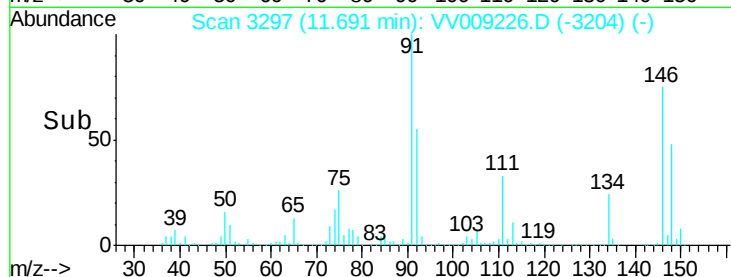
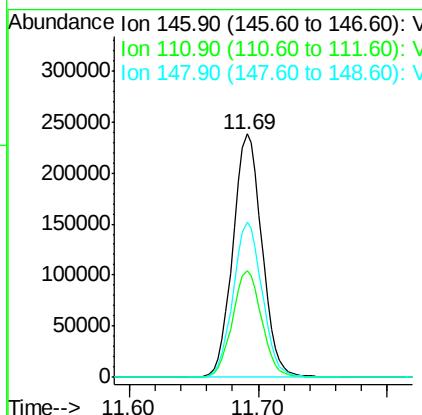
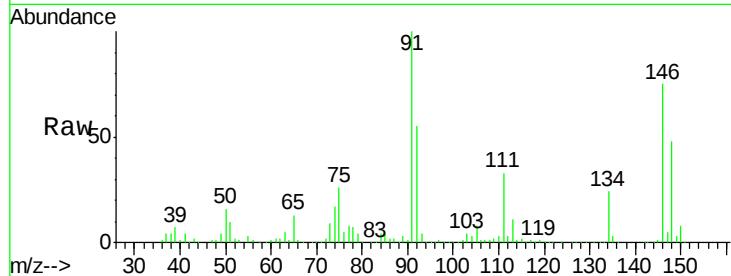
#91
 1,2-Dichlorobenzene
 Concen: 156.069 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.7
148	63.7	31.8	95.3

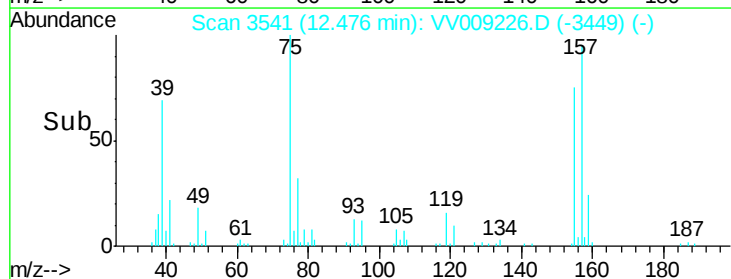
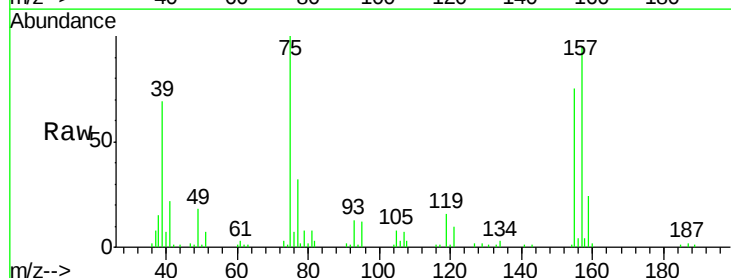
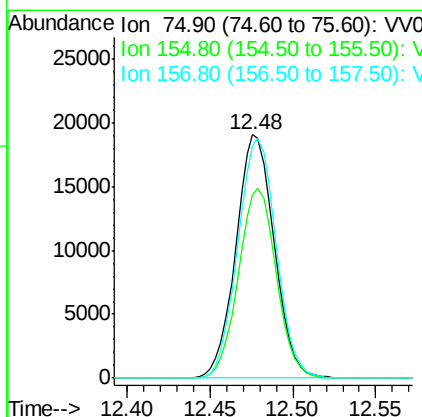
Manual Integrations
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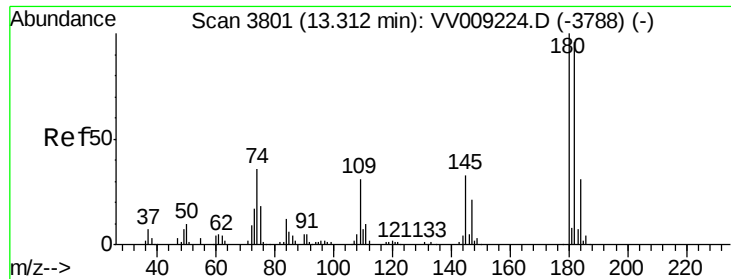
MMDadoda
 1/21/2019 10:45:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 163.526 ug/l
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.7	36.4	109.1
157	98.7	44.9	134.5





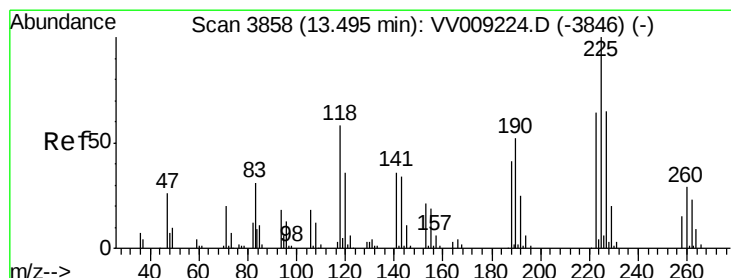
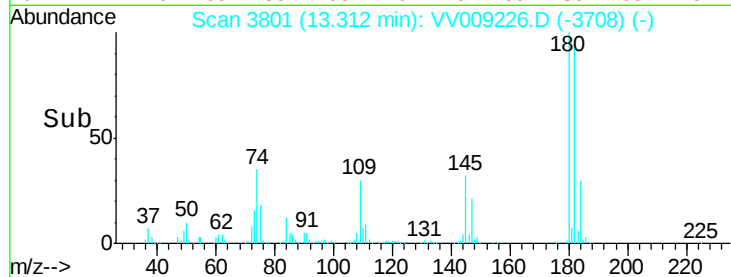
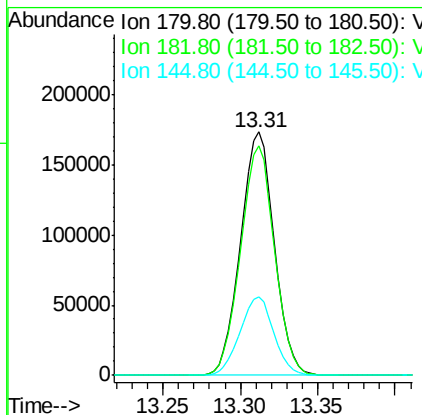
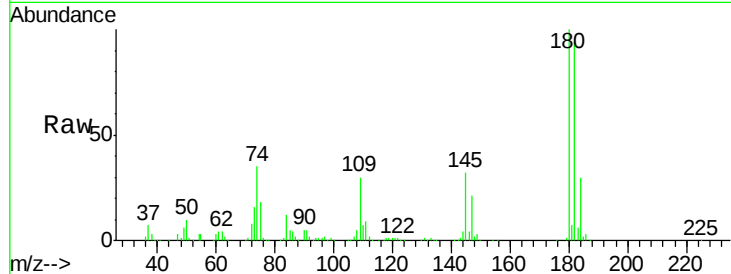
#93
 1,2,4-Trichlorobenzene
 Concen: 165.552 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	263488		
182	94.7	47.8	143.3	
145	32.3	16.7	50.0	

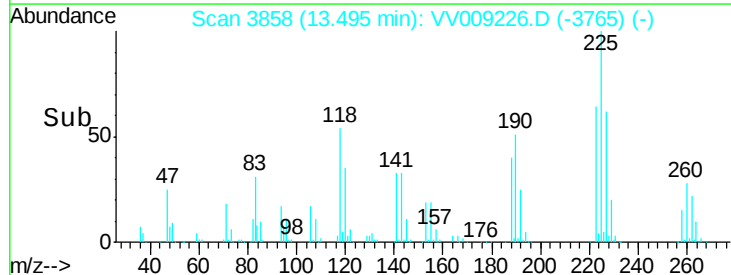
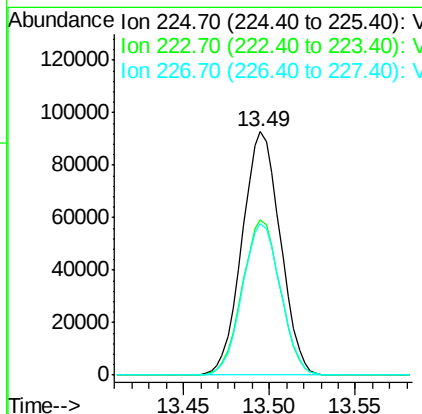
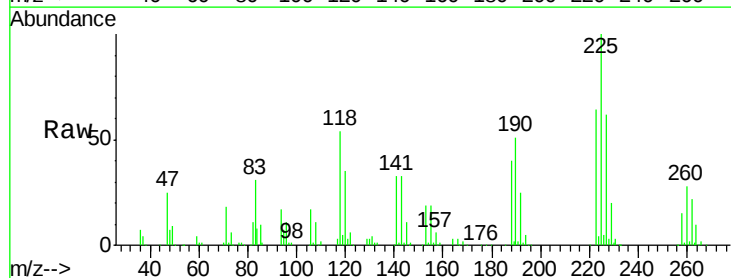
Manual Integrations
 APPROVED

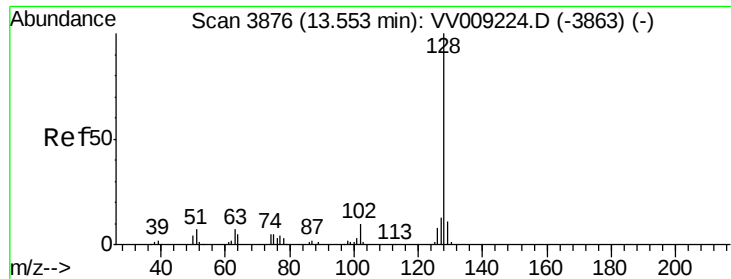
MMDadoda
 1/21/2019 10:45:42 AM



#94
 Hexachlorobutadiene
 Concen: 157.307 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. -0.00 min
 Lab File: VV009226.D
 Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143334		
223	63.4	31.5	94.5	
227	62.3	32.1	96.3	





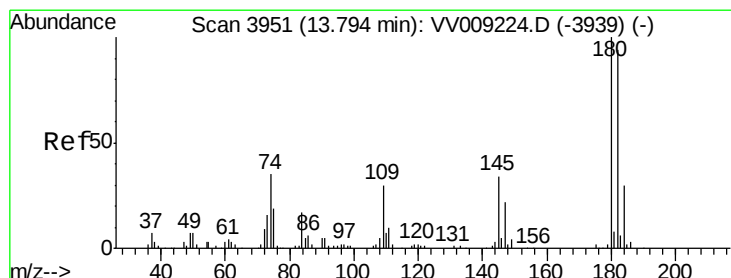
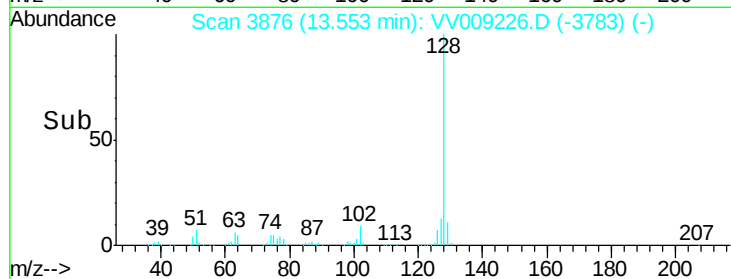
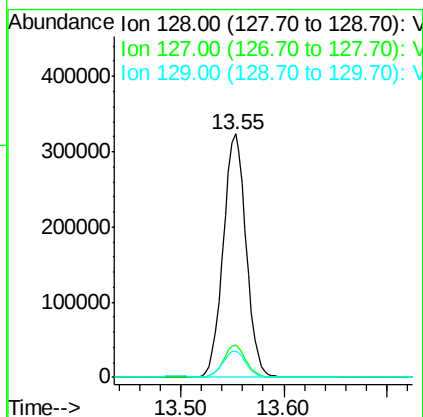
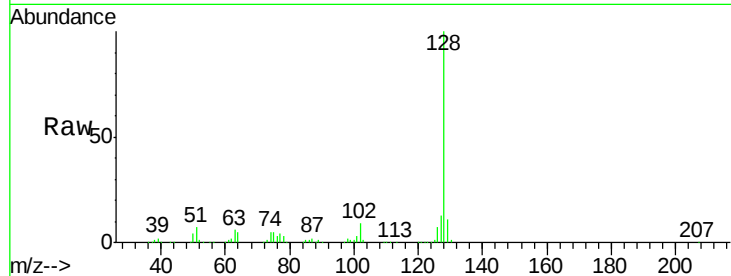
#95
Naphthalene
Concen: 174.175 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:45:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 160.560 ug/l
RT: 13.79 min Scan# 3951
Delta R.T. -0.00 min
Lab File: VV009226.D
Acq: 18 Jan 2019 17:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.7	140.1
145	34.7	17.0	51.0

