

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081619\
 Data File : VW011949.D
 Acq On : 16 Aug 2019 01:11
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:27:26 AM

Quant Time: Aug 16 05:49:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157557	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135363	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	7.88	113	108321	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
50) Toluene-d8	10.32	98	440855	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.62	95	222872	74.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	51079	41.867	ug/l	95
3) Chloromethane	2.21	50	90748	42.896	ug/l	98
4) Vinyl Chloride	2.36	62	114511	44.960	ug/l	98
5) Bromomethane	2.76	94	55939	39.679	ug/l	99
6) Chloroethane	2.91	64	68758	47.261	ug/l	93
7) Trichlorofluoromethane	3.25	101	54715	48.068	ug/l	99
8) Diethyl Ether	3.68	74	66280	51.356	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104633	48.457	ug/l	99
10) Methyl Iodide	4.27	142	152538	49.989	ug/l	100
11) Tert butyl alcohol	5.19	59	44083	236.679	ug/l	100
12) 1,1-Dichloroethene	4.04	96	109427	47.997	ug/l	97
13) Acrolein	3.89	56	31794	176.275	ug/l	99
14) Allyl chloride	4.66	41	243020	50.117	ug/l	99
15) Acrylonitrile	5.37	53	172022	267.012	ug/l	98
16) Acetone	4.12	43	145136	181.510	ug/l	95
17) Carbon Disulfide	4.38	76	324048	45.413	ug/l	100
18) Methyl Acetate	4.67	43	95739	53.298	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	195700	54.093	ug/l	99
20) Methylene Chloride	4.91	84	128422	46.569	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	123478	50.236	ug/l	97
22) Diisopropyl ether	6.31	45	481305	52.646	ug/l	99
23) Vinyl Acetate	6.25	43	1497799	260.733	ug/l	100
24) 1,1-Dichloroethane	6.21	63	255310	52.144	ug/l	99
25) 2-Butanone	7.17	43	238828	228.258	ug/l	98
26) 2,2-Dichloropropane	7.17	77	126976	42.168	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	138904	51.347	ug/l	99
28) Bromochloromethane	7.51	49	118764	54.647	ug/l	99
29) Tetrahydrofuran	7.53	42	158705	265.359	ug/l	99
30) Chloroform	7.68	83	234753	51.969	ug/l	98
31) Cyclohexane	7.95	56	222895	47.424	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	180577	52.491	ug/l	99
36) 1,1-Dichloropropene	8.08	75	190132	49.778	ug/l	99
37) Ethyl Acetate	7.25	43	112430	51.162	ug/l	98
38) Carbon Tetrachloride	8.07	117	164324	50.254	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	210265	49.993	ug/l	99
40) Benzene	8.32	78	536119	50.109	ug/l	100
41) Methacrylonitrile	7.48	41	66253	50.435	ug/l	96
42) 1,2-Dichloroethane	8.40	62	171006	51.051	ug/l	100
43) Isopropyl Acetate	8.42	43	212415	52.559	ug/l	99
44) Trichloroethene	9.09	130	130191	50.629	ug/l	99
45) 1,2-Dichloropropane	9.37	63	146089	51.032	ug/l	100
46) Dibromomethane	9.46	93	66589	50.964	ug/l	99
47) Bromodichloromethane	9.65	83	175564	51.224	ug/l	99
48) Methyl methacrylate	9.43	41	102952	53.031	ug/l	98
49) 1,4-Dioxane	9.46	88	20984	1109.177	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	555439	264.225	ug/l	100
52) Toluene	10.39	92	325859	50.434	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	180000	50.276	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	213961	50.262	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	94584	51.020	ug/l	98
56) Ethyl methacrylate	10.65	69	146239	53.908	ug/l	98
57) 1,3-Dichloropropane	10.93	76	180537	51.475	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	373430	303.180	ug/l	100
59) 2-Hexanone	10.97	43	377099	254.067	ug/l	100
60) Dibromochloromethane	11.13	129	104863	50.959	ug/l	100
61) 1,2-Dibromoethane	11.24	107	90454	51.559	ug/l	99
64) Tetrachloroethene	10.86	164	108213	51.738	ug/l	98
65) Chlorobenzene	11.66	112	325743	50.438	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	114847	51.053	ug/l	98
67) Ethyl Benzene	11.73	91	634839	51.613	ug/l	99
68) m/p-Xylenes	11.84	106	454102	101.517	ug/l	99
69) o-Xylene	12.16	106	216617	52.112	ug/l	100
70) Styrene	12.18	104	376054	52.324	ug/l	99
71) Bromoform	12.35	173	59549	51.919	ug/l #	97
73) Isopropylbenzene	12.46	105	591298	50.306	ug/l	99
74) N-amyl acetate	12.27	43	202308	54.976	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	123414	55.820	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	79964m	47.965	ug/l	
77) Bromobenzene	12.75	156	131775	50.721	ug/l	98
78) n-propylbenzene	12.80	91	711252	49.721	ug/l	100
79) 2-Chlorotoluene	12.89	91	413060	50.122	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	494154	50.153	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36084	49.883	ug/l	96
82) 4-Chlorotoluene	12.99	91	429493	49.672	ug/l	99
83) tert-Butylbenzene	13.21	119	421409	51.145	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	492415	49.612	ug/l	99
85) sec-Butylbenzene	13.38	105	590648	50.240	ug/l	100
86) p-Isopropyltoluene	13.50	119	532033	49.877	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	243795	47.858	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	246842	48.711	ug/l	95
89) n-Butylbenzene	13.82	91	514996	48.379	ug/l	99
90) Hexachloroethane	14.09	117	92348	48.959	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	220873	49.023	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18948	50.257	ug/l	91

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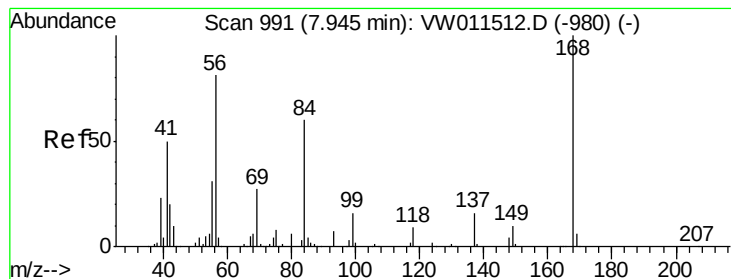
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	153720	48.410	ug/l	99
94) Hexachlorobutadiene	15.24	225	96287	48.624	ug/l	99
95) Naphthalene	15.36	128	313973	50.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	138904	49.905	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 168 Resp: 218911

Ion Ratio Lower Upper

168 100

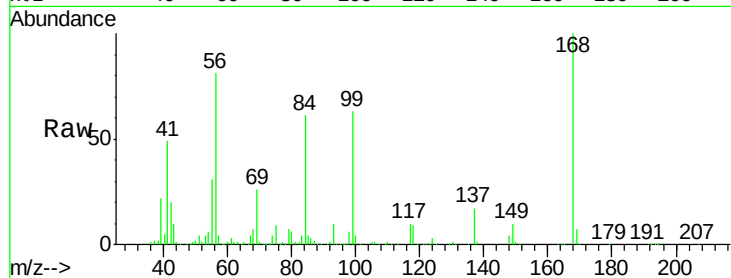
99 63.1 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

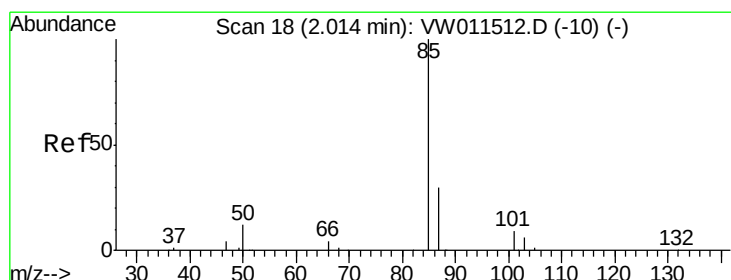
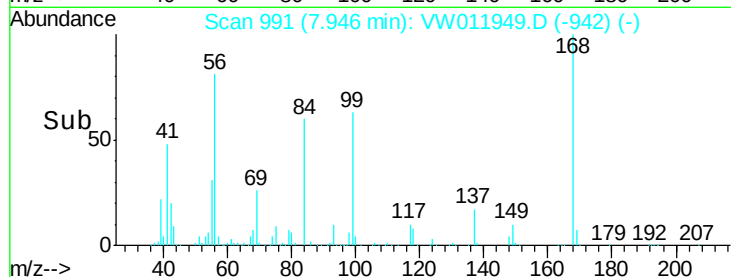
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 41.867 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011949.D

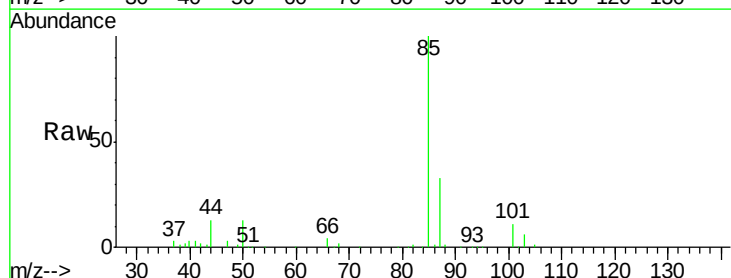
Acq: 16 Aug 2019 01:11

Tgt Ion: 85 Resp: 51079

Ion Ratio Lower Upper

85 100

87 32.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

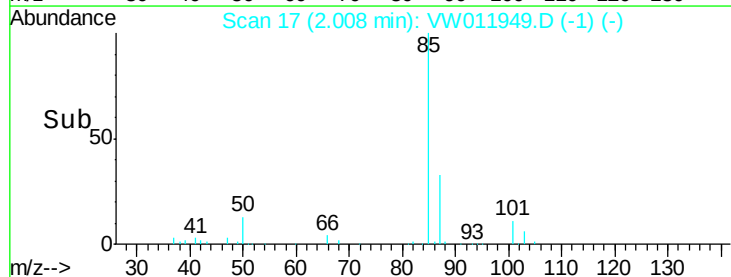
15000

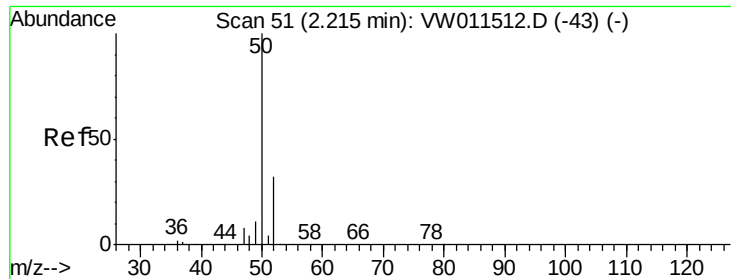
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 42.896 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 90748

Ion Ratio Lower Upper

50 100

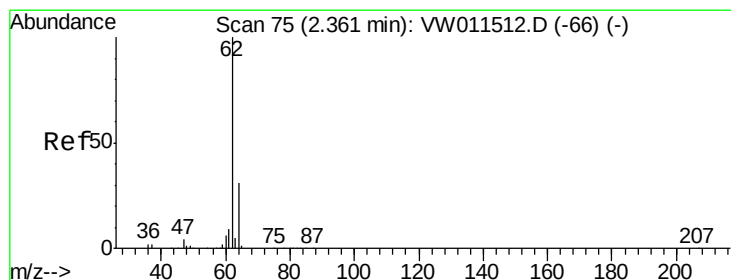
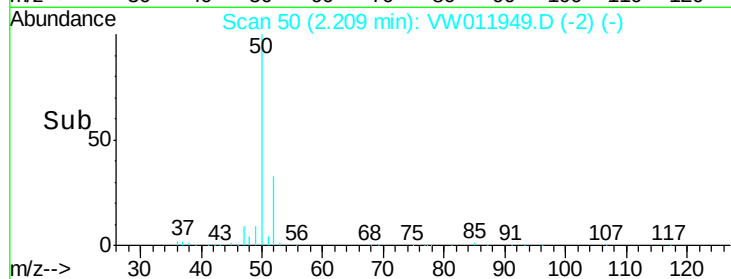
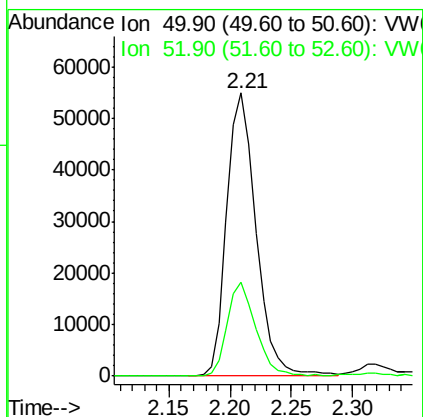
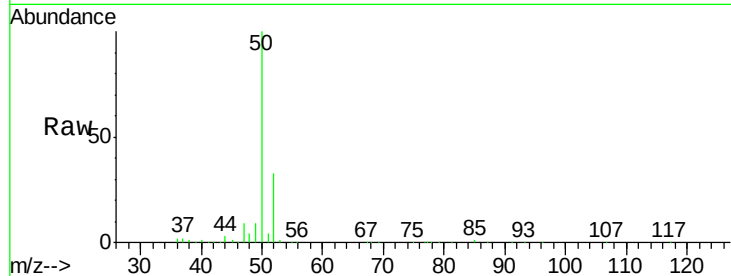
52 33.2 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.960 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011949.D

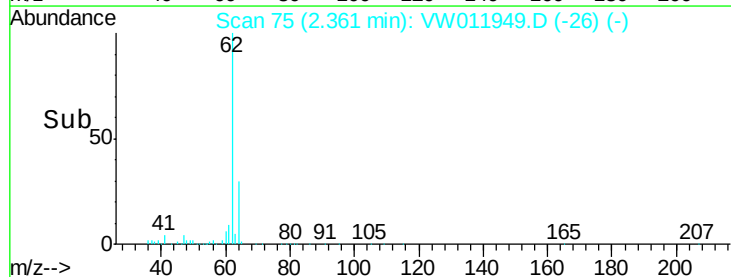
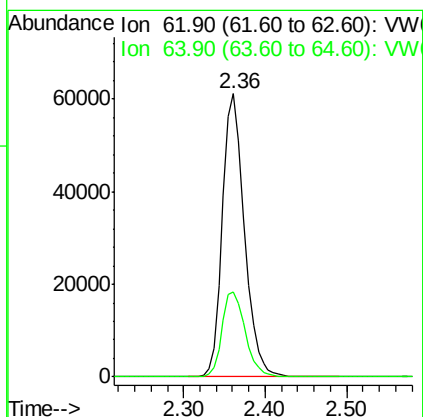
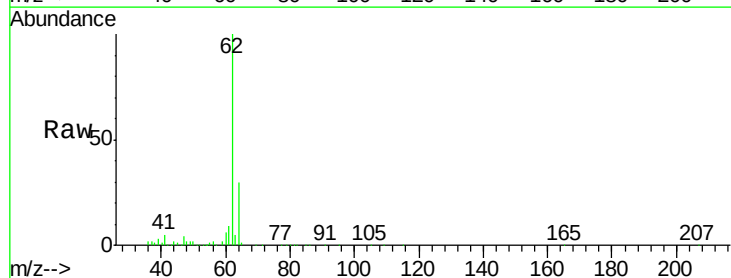
Acq: 16 Aug 2019 01:11

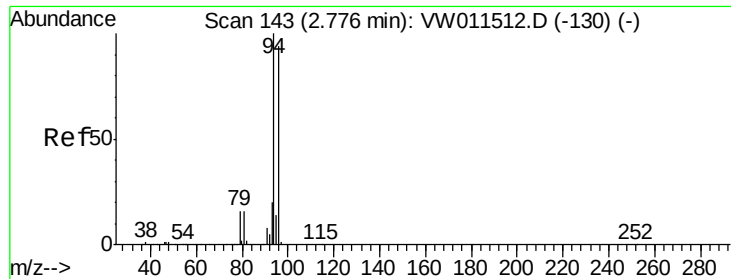
Tgt Ion: 62 Resp: 114511

Ion Ratio Lower Upper

62 100

64 29.9 25.0 37.4





#5

Bromomethane

Concen: 39.679 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 55939

Ion Ratio Lower Upper

94 100

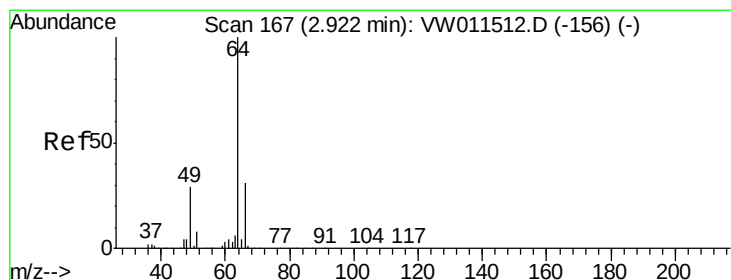
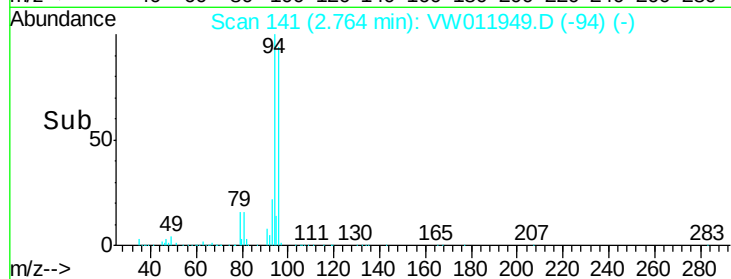
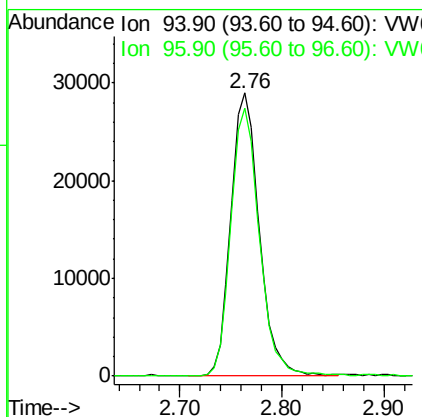
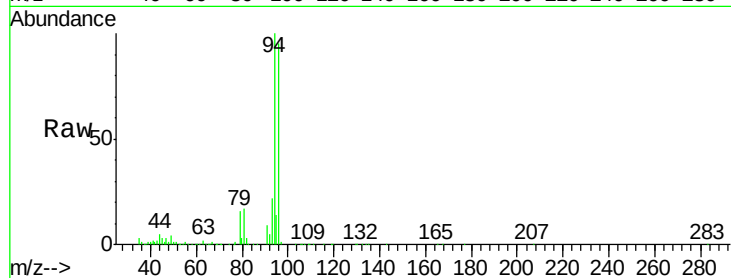
96 94.6 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 47.261 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011949.D

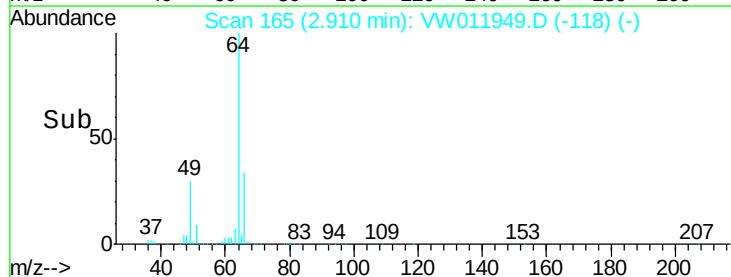
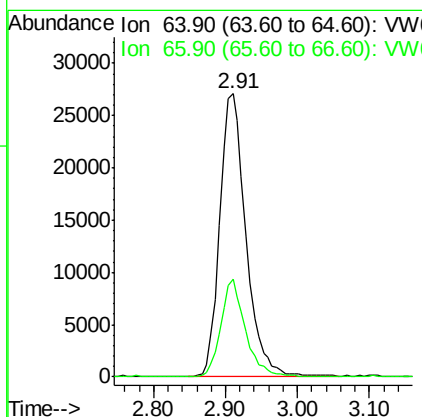
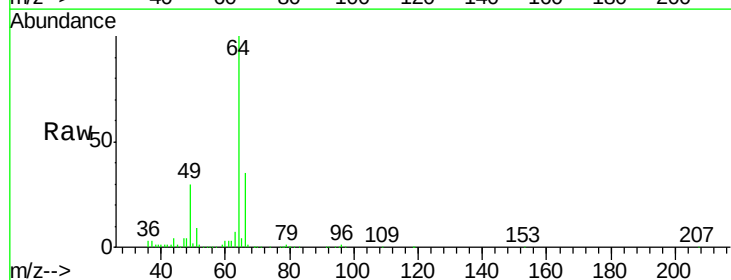
Acq: 16 Aug 2019 01:11

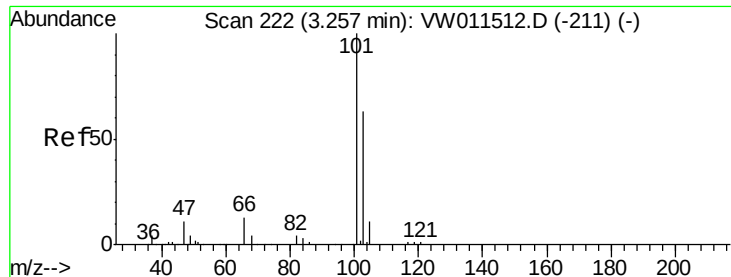
Tgt Ion: 64 Resp: 68758

Ion Ratio Lower Upper

64 100

66 34.3 24.6 36.8





#7

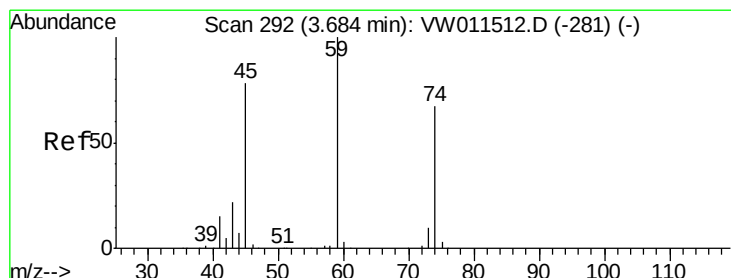
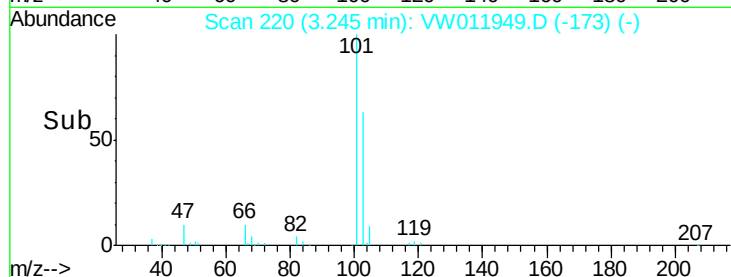
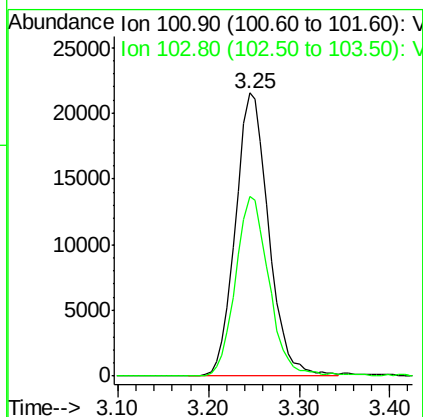
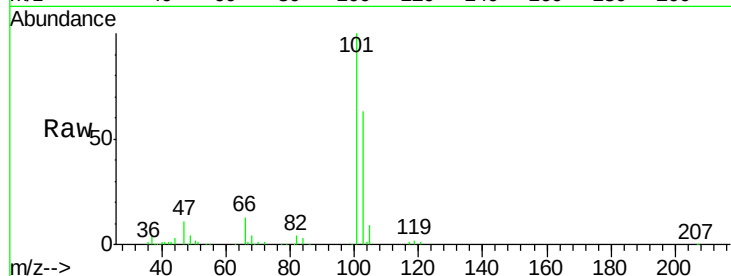
Trichlorofluoromethane
Concen: 48.068 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.2	75.4

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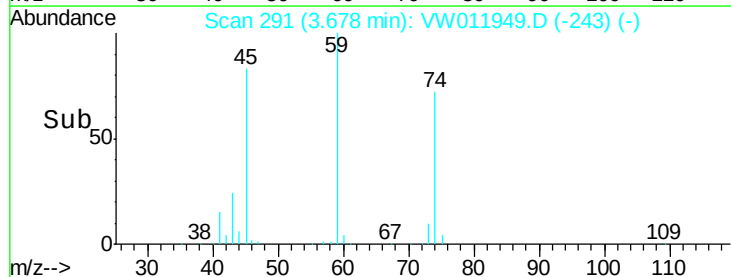
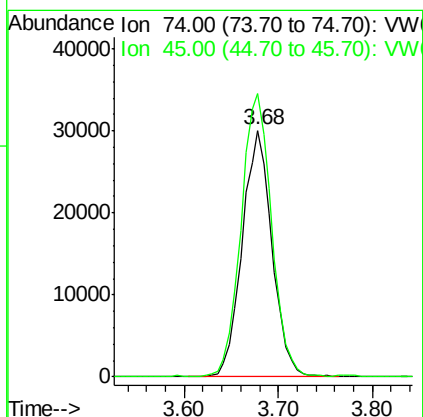
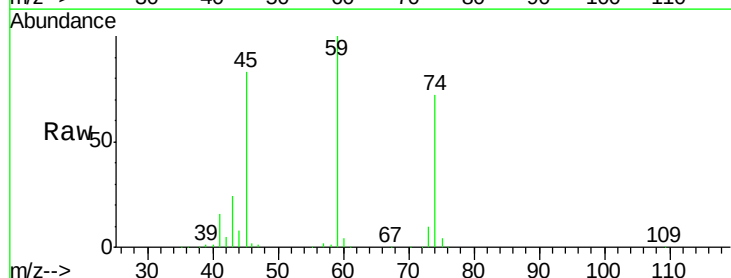
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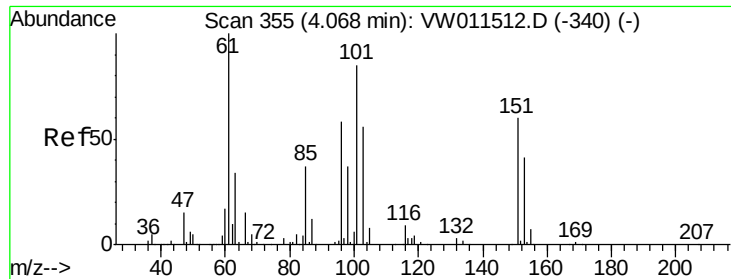


#8

Diethyl Ether
Concen: 51.356 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.9	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.457 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

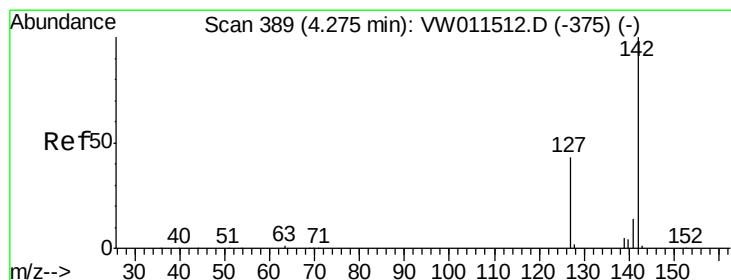
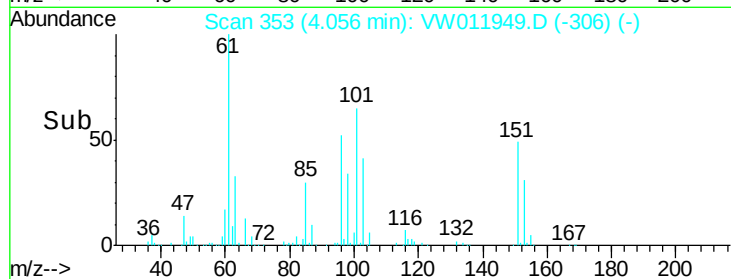
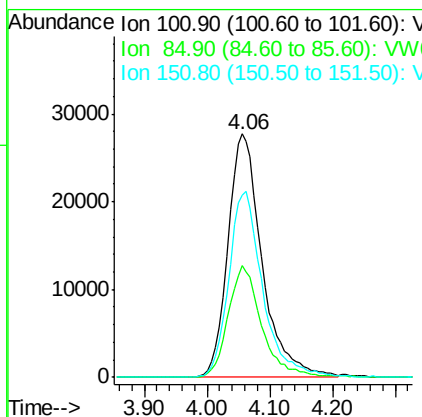
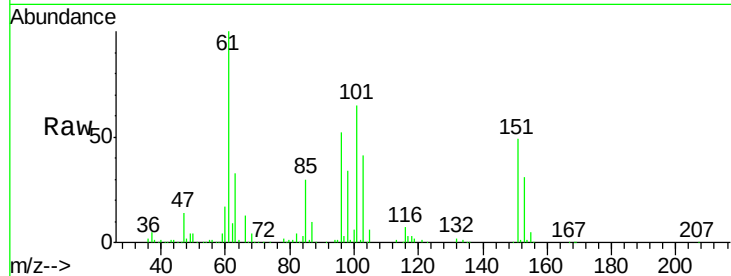
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	104633
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	54.8
151	76.0	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.989 ug/l

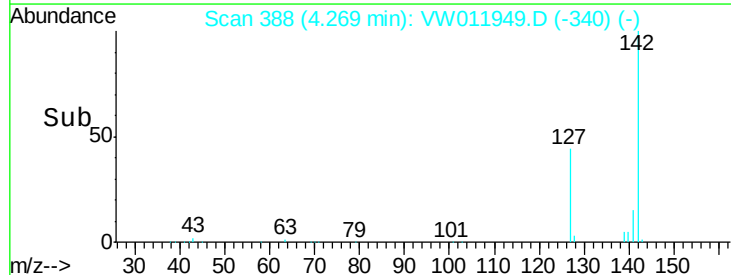
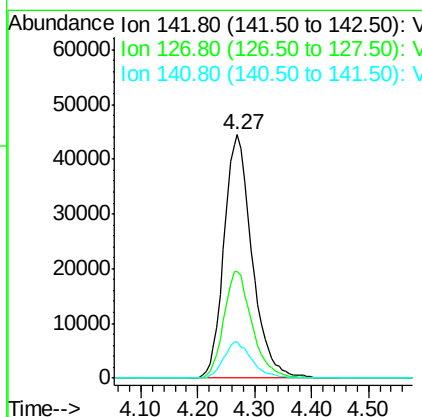
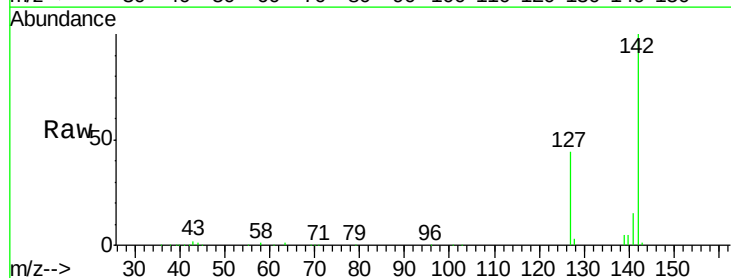
RT: 4.27 min Scan# 388

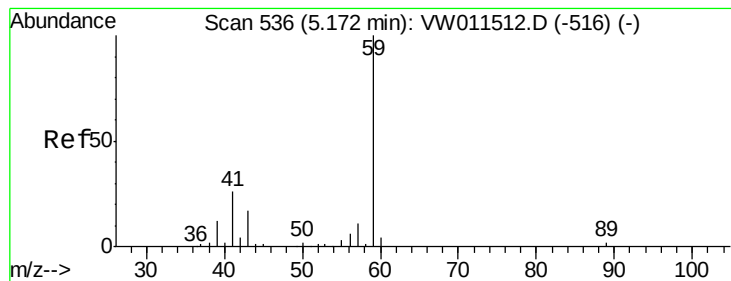
Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Tgt Ion:	142	Resp:	152538
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.0	52.6
141	14.8	11.9	17.9





#11

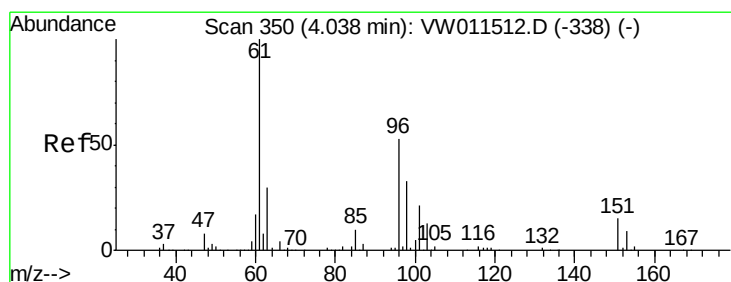
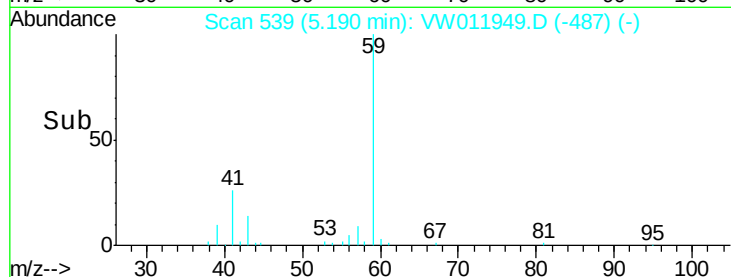
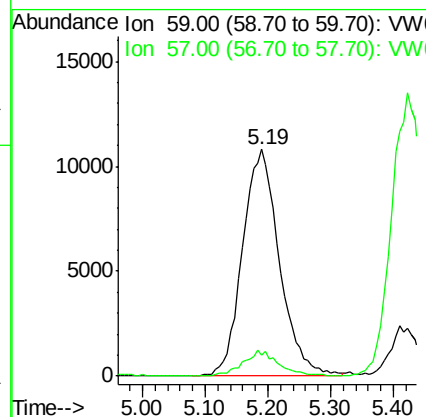
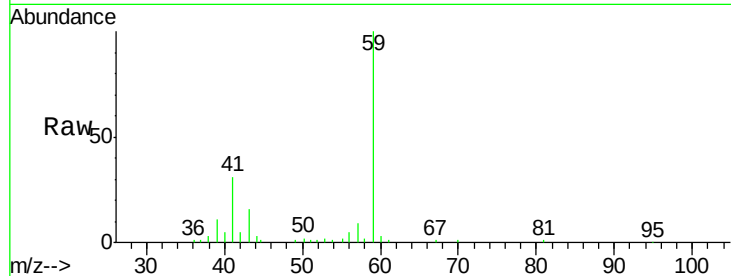
Tert butyl alcohol
 Concen: 236.679 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.7	Resp	44083	Lower	Upper
59	100								
57		10.7						8.5	12.7

Manual Integrations
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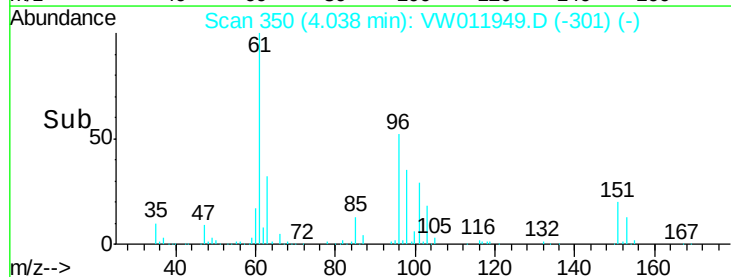
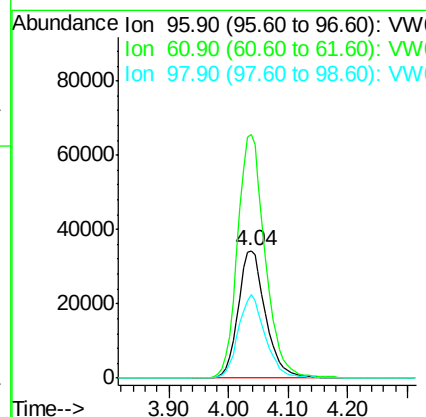
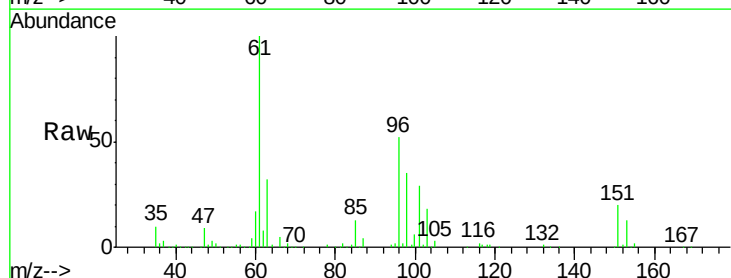
MMDadoda
 8/16/2019 8:27:26 AM

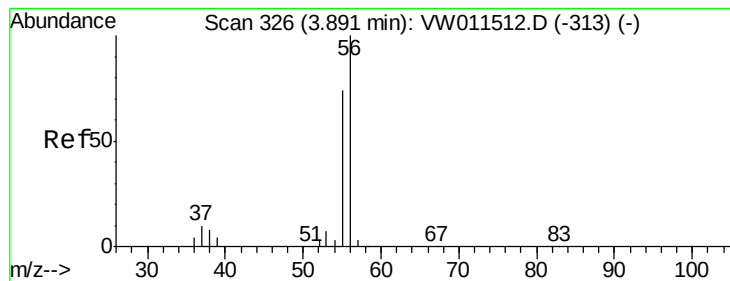


#12

1,1-Dichloroethene
 Concen: 47.997 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion	96	61	98	Ratio	100	191.1	66.0	Resp	109427	Lower	Upper
96	100										
61		191.1								149.9	224.9
98		66.0								49.1	73.7





#13

Acrolein

Concen: 176.275 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 31794

Ion Ratio Lower Upper

56 100

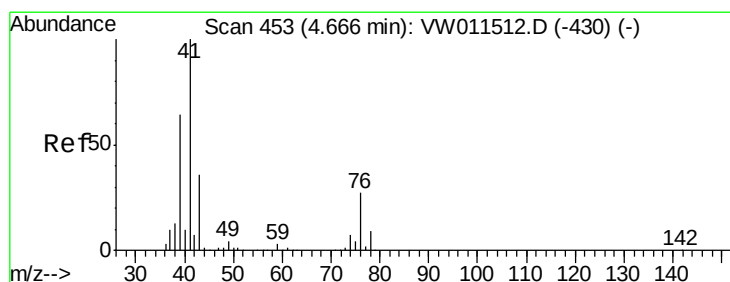
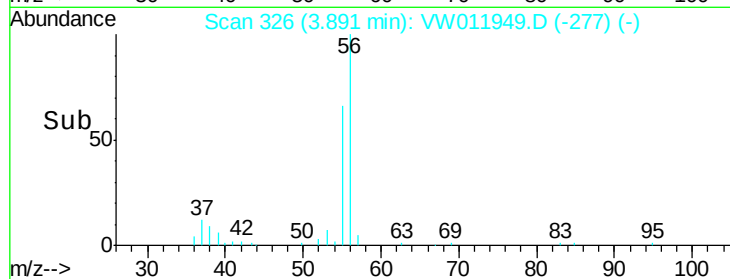
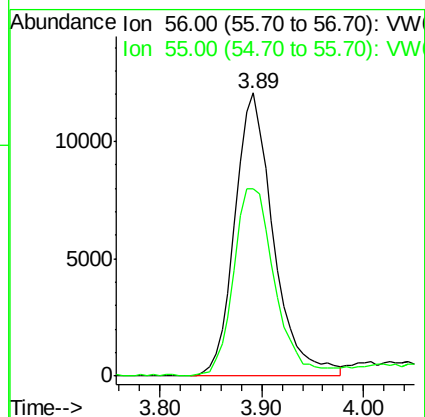
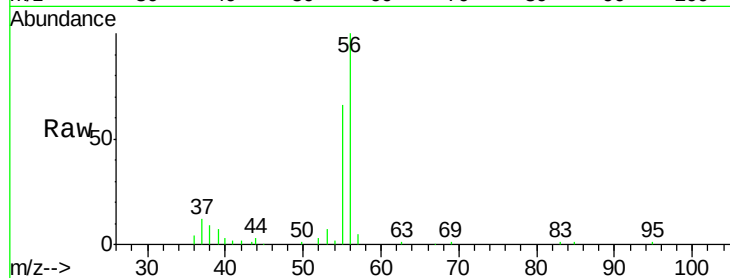
55 70.9 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.117 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

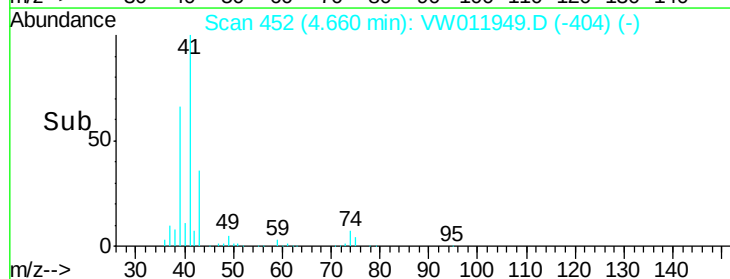
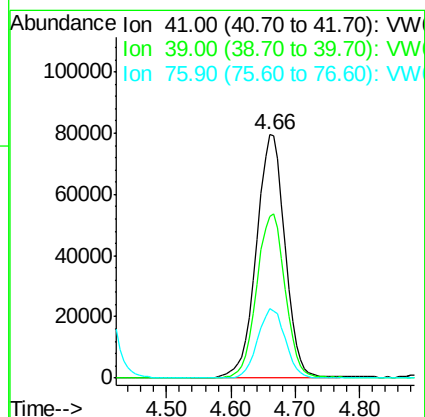
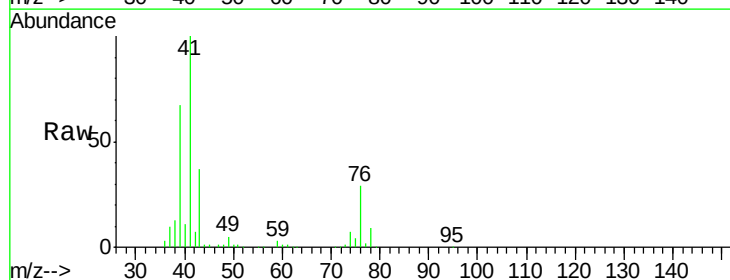
Tgt Ion: 41 Resp: 243020

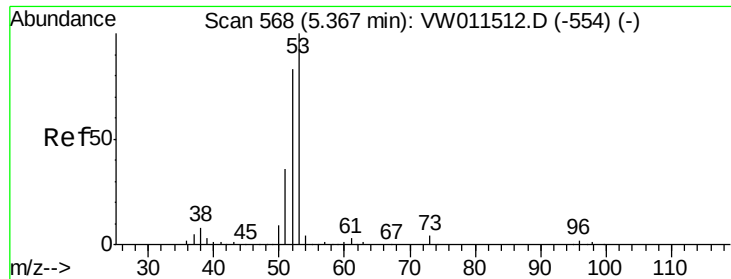
Ion Ratio Lower Upper

41 100

39 67.1 52.6 78.8

76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 267.012 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

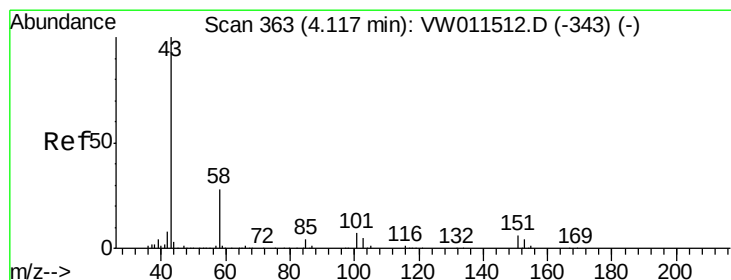
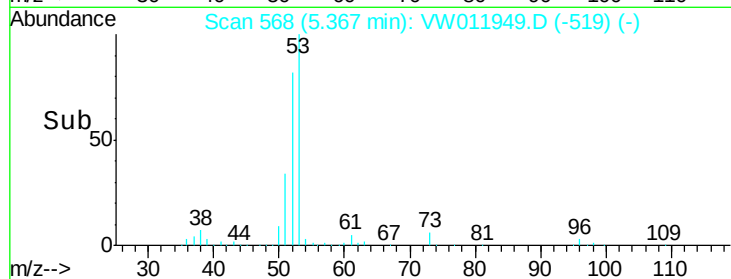
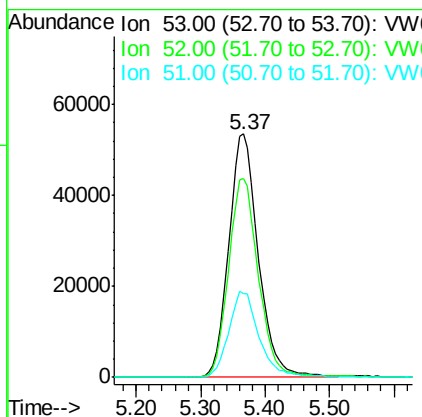
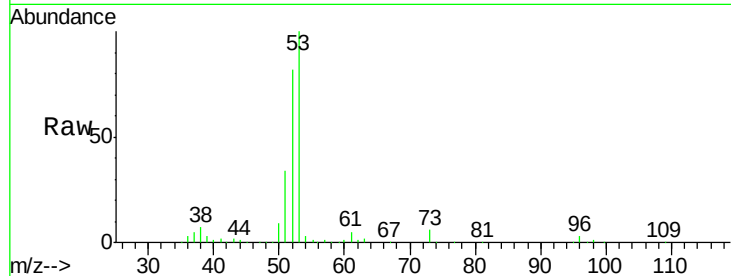
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	172022
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.2	100.8
51	36.2	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 181.510 ug/l

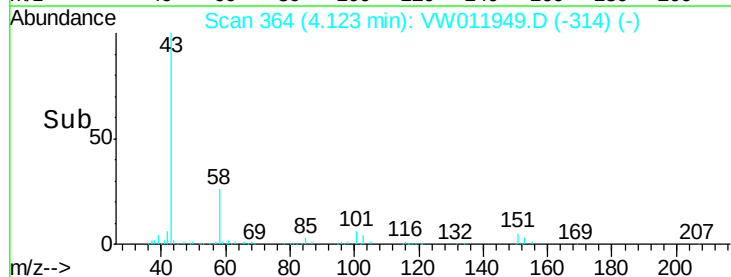
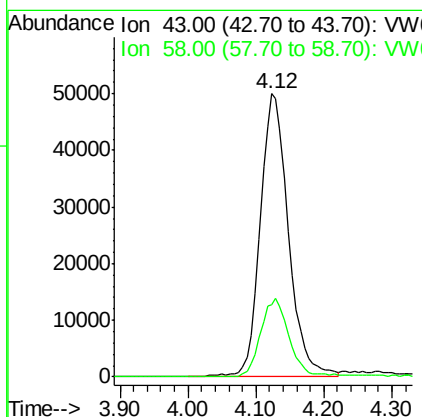
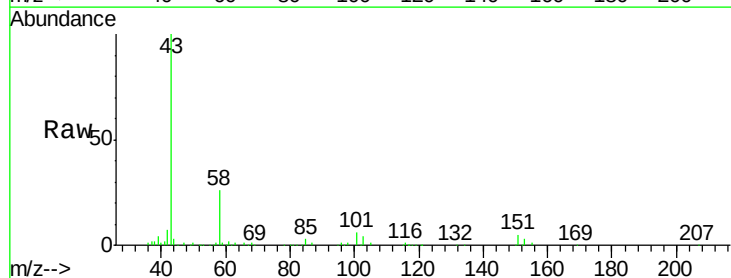
RT: 4.12 min Scan# 364

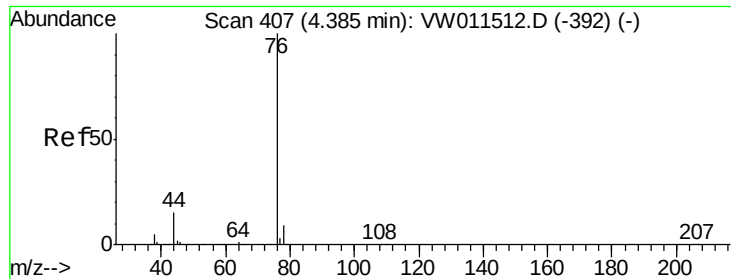
Delta R.T. 0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Tgt Ion:	43	Resp:	145136
Ion	Ratio	Lower	Upper
43	100		
58	25.2	22.3	33.5





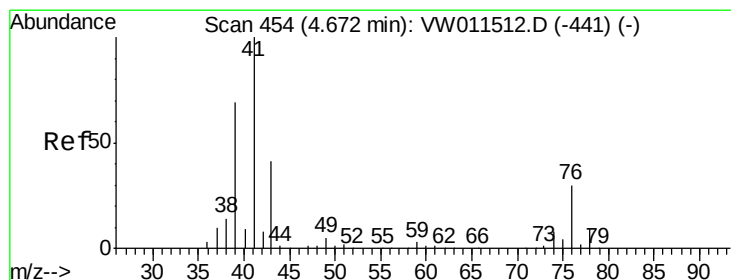
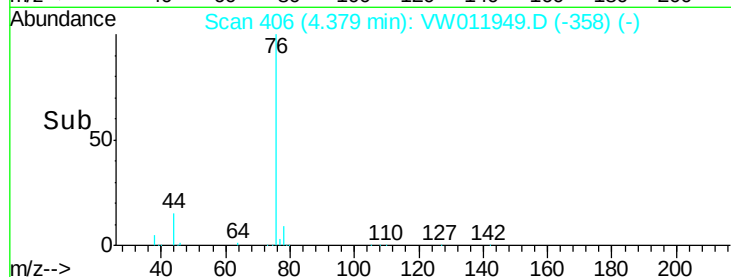
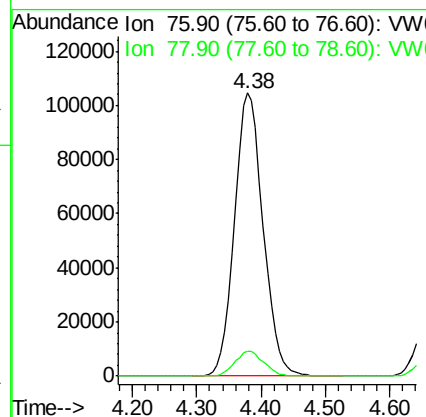
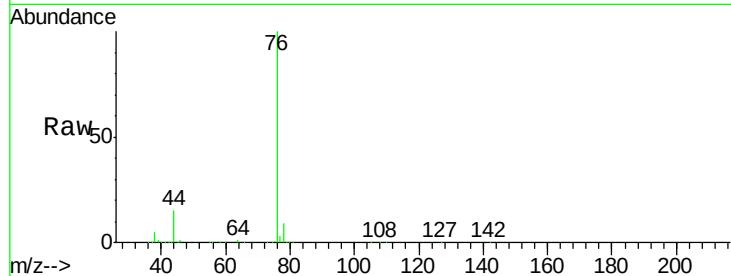
#17
Carbon Disulfide
Concen: 45.413 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

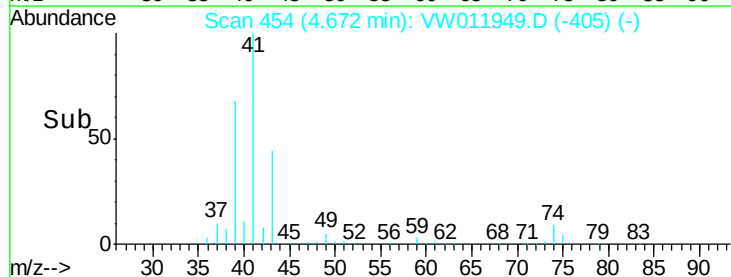
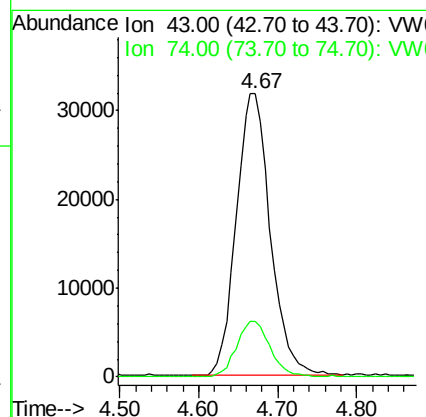
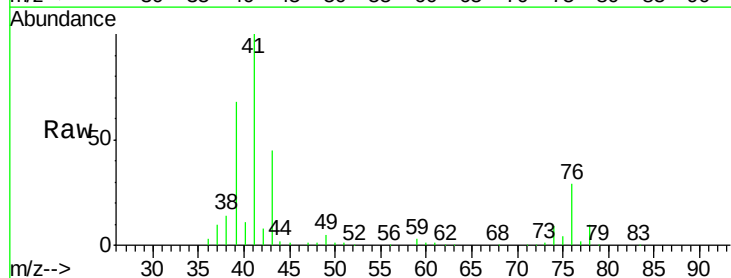
Manual Integrations
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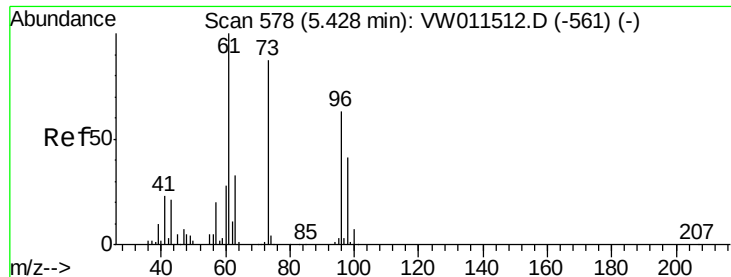
MMDadoda
8/16/2019 8:27:26 AM



#18
Methyl Acetate
Concen: 53.298 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.9	23.9





#19

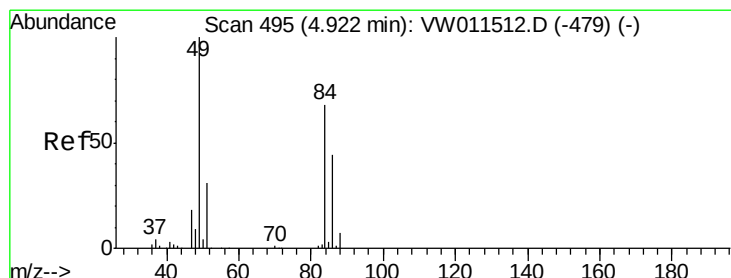
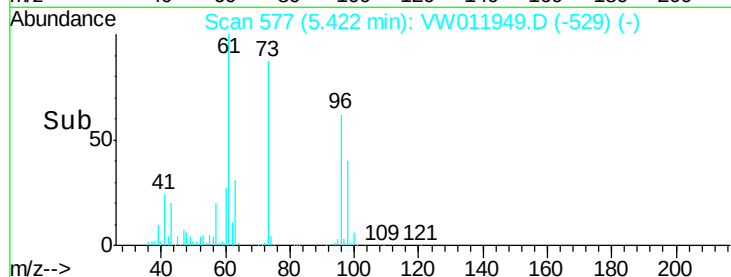
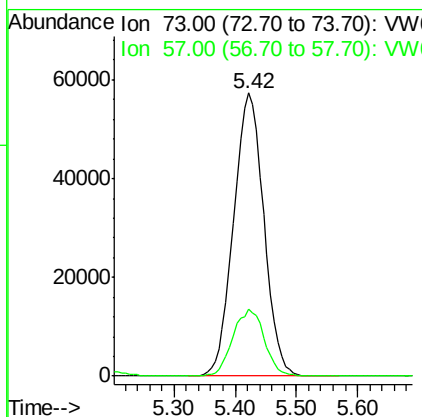
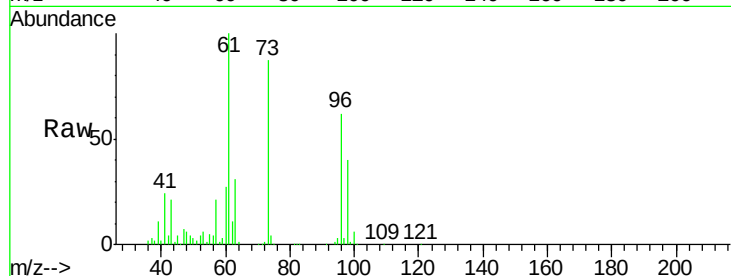
Methyl tert-butyl Ether
 Concen: 54.093 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.4	27.6

Manual Integrations
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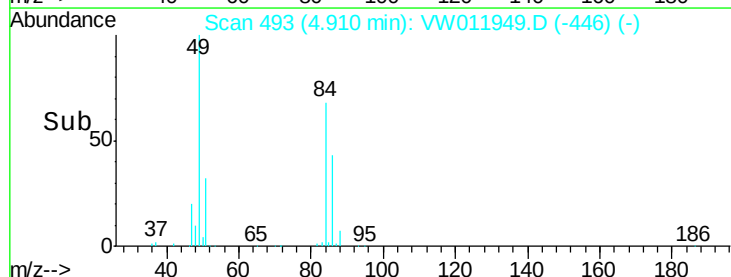
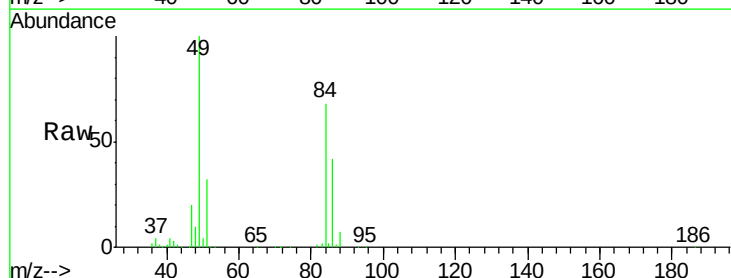
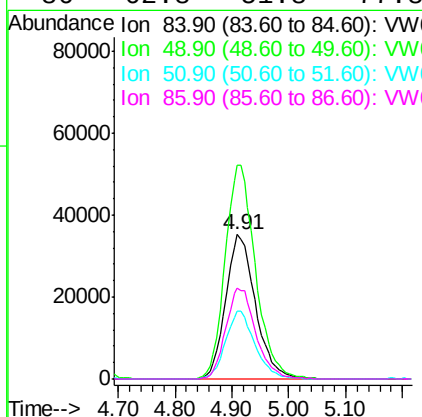
MMDadoda
 8/16/2019 8:27:26 AM

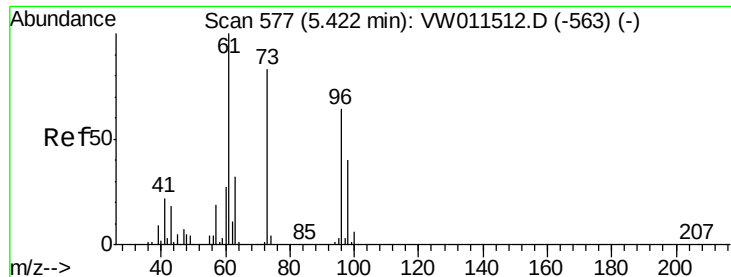


#20

Methylene Chloride
 Concen: 46.569 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.0	117.8	176.6
51	47.1	37.0	55.4
86	62.8	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 50.236 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

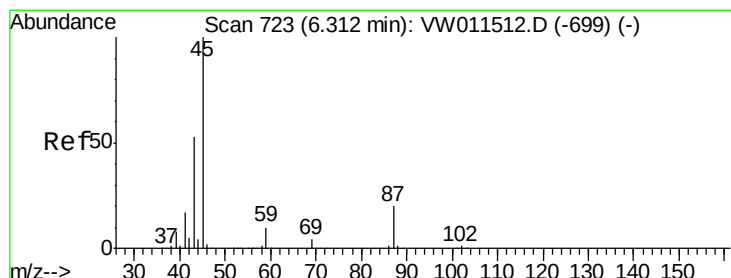
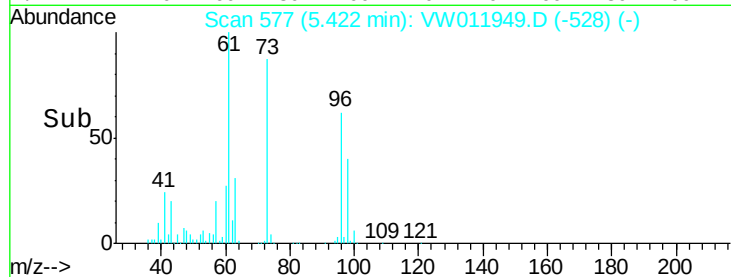
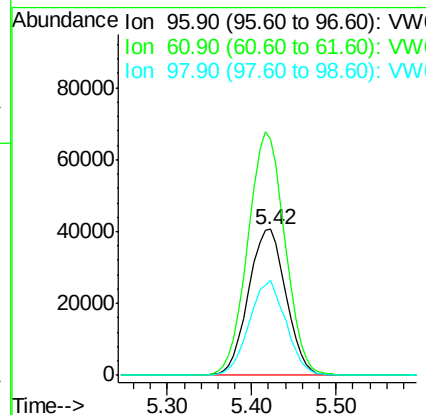
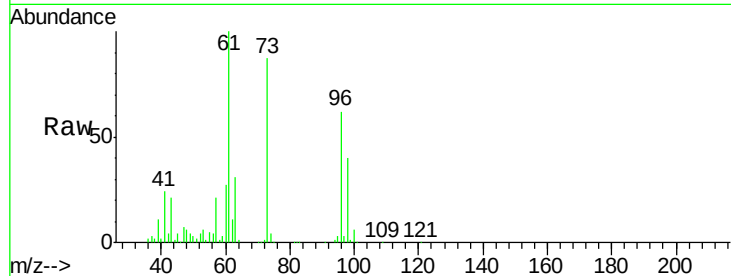
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	123478
Ion	Ratio	Lower	Upper
96	100		
61	161.2	125.7	188.5
98	65.0	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.646 ug/l

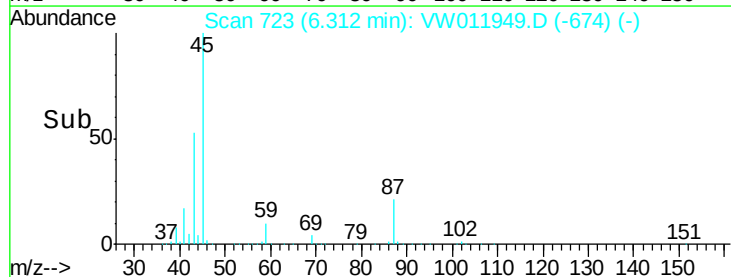
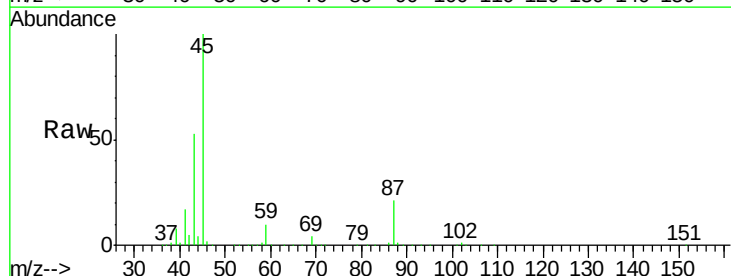
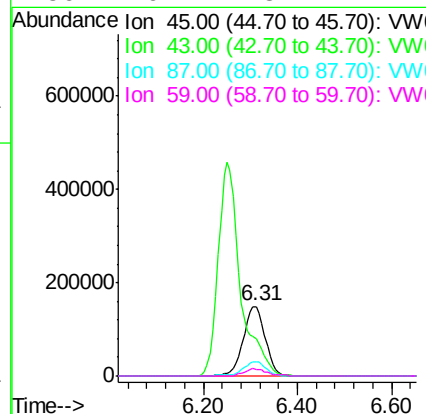
RT: 6.31 min Scan# 723

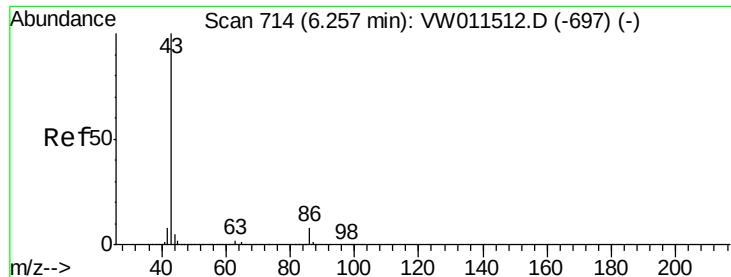
Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Tgt Ion:	45	Resp:	481305
Ion	Ratio	Lower	Upper
45	100		
43	52.7	42.6	63.8
87	20.8	16.4	24.6
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 260.733 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1497799

Ion Ratio Lower Upper

43 100

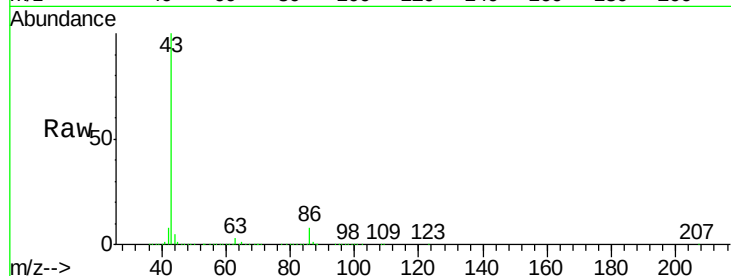
86 8.0 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

500000

400000

300000

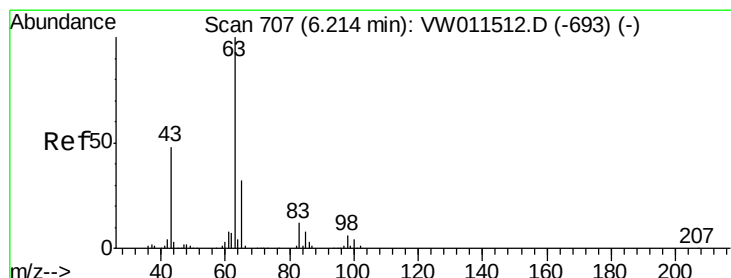
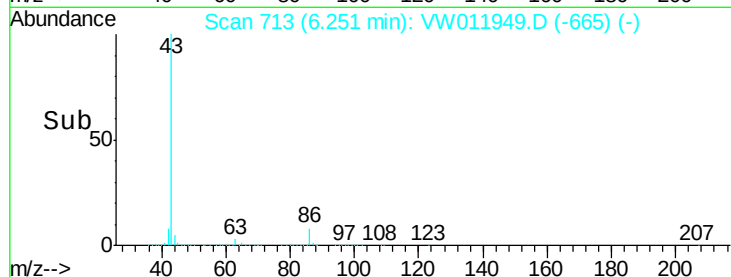
200000

100000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 52.144 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

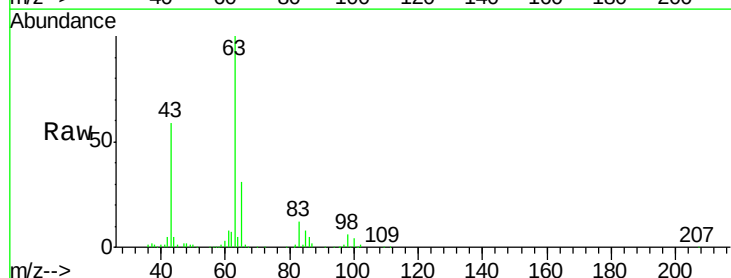
Tgt Ion: 63 Resp: 255310

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.7 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

100000

80000

60000

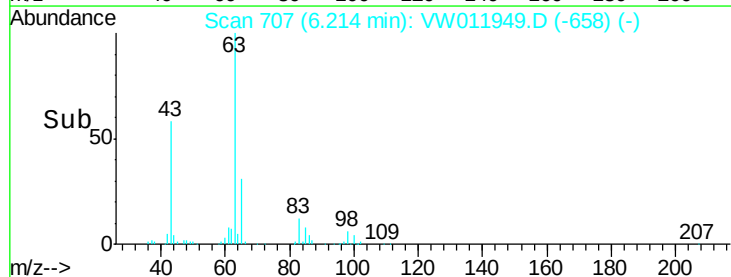
40000

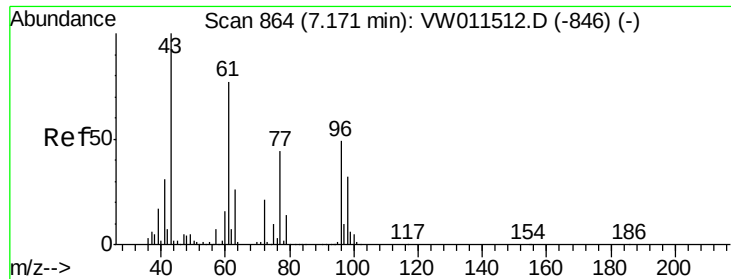
20000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 228.258 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 238828

Ion Ratio Lower Upper

43 100

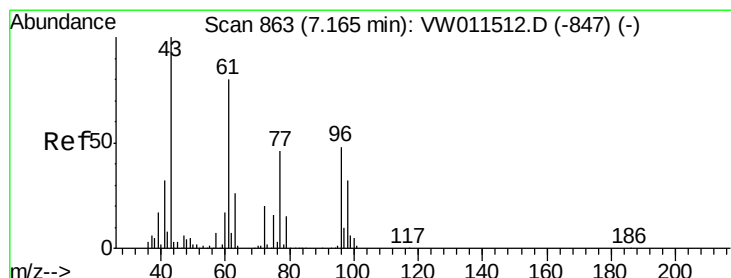
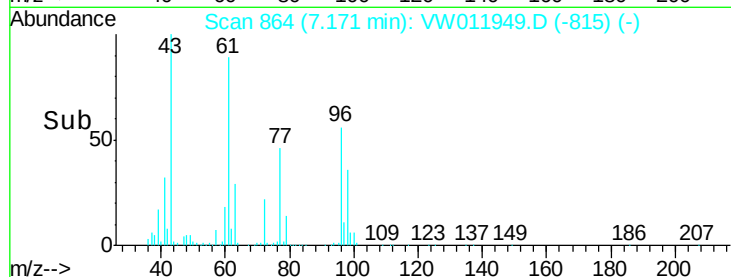
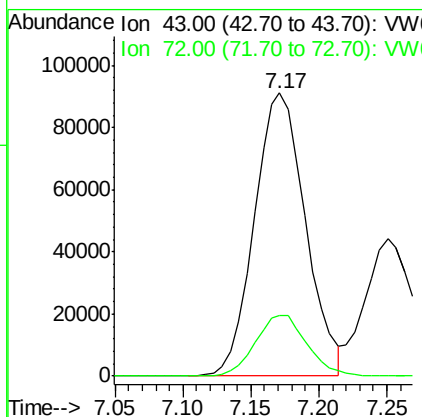
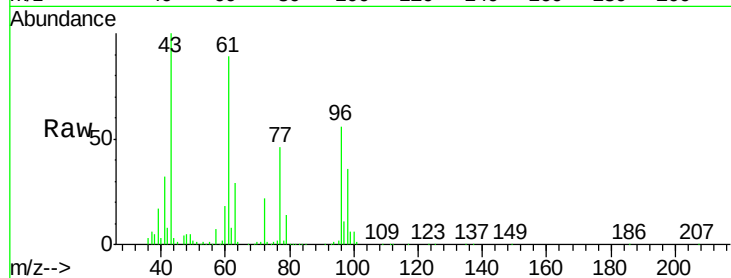
72 21.6 16.6 24.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 42.168 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011949.D

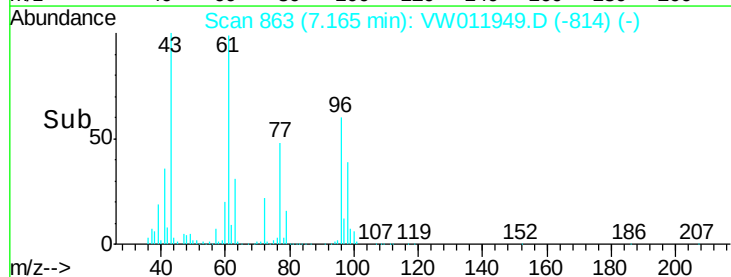
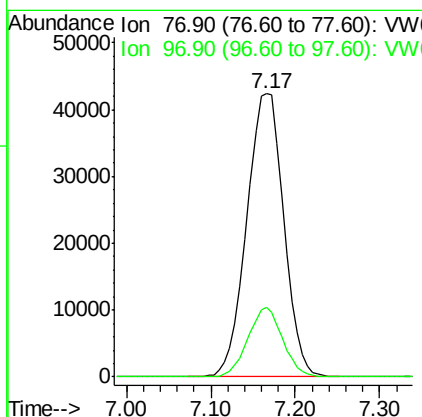
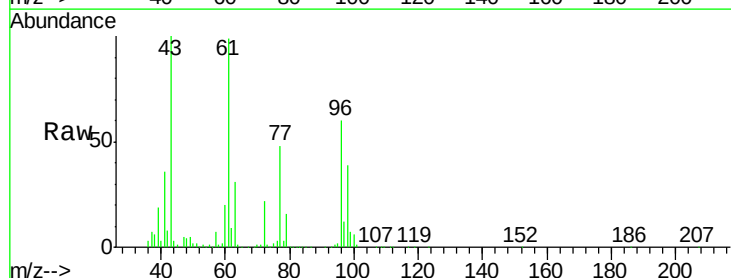
Acq: 16 Aug 2019 01:11

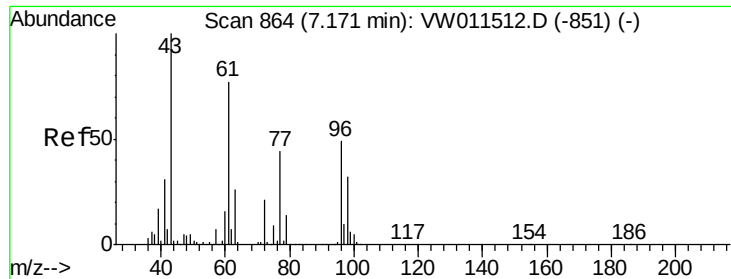
Tgt Ion: 77 Resp: 126976

Ion Ratio Lower Upper

77 100

97 23.1 10.8 32.4





#27

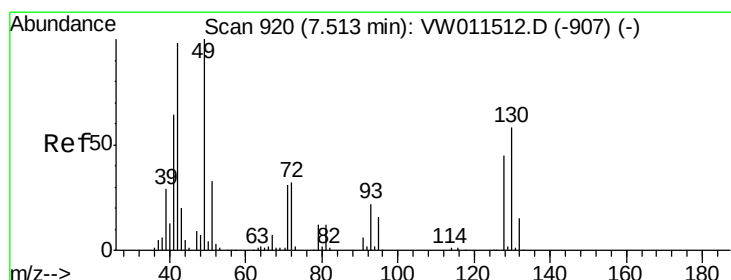
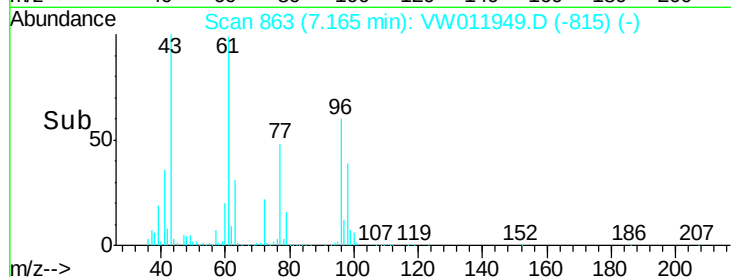
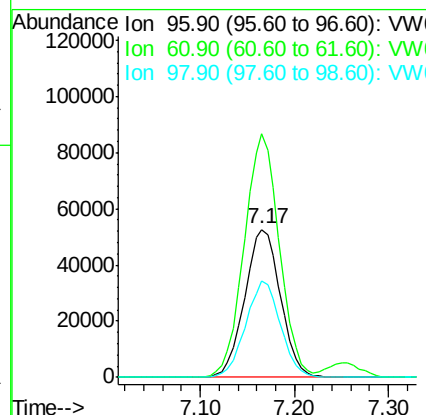
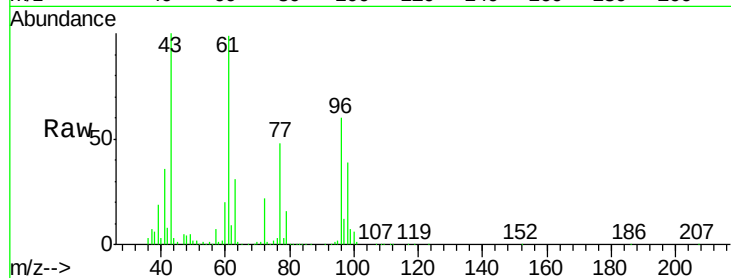
cis-1,2-Dichloroethene
 Concen: 51.347 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	138904		
61	162.6	0.0	328.4	
98	63.7	0.0	128.8	

Manual Integrations
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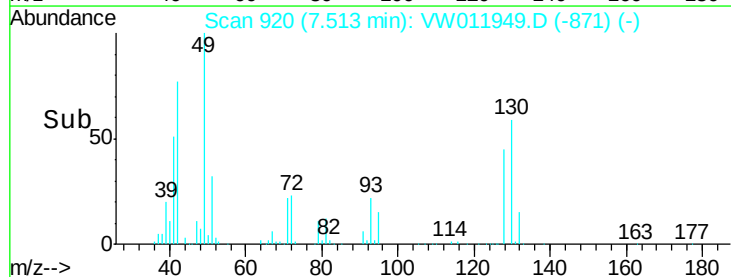
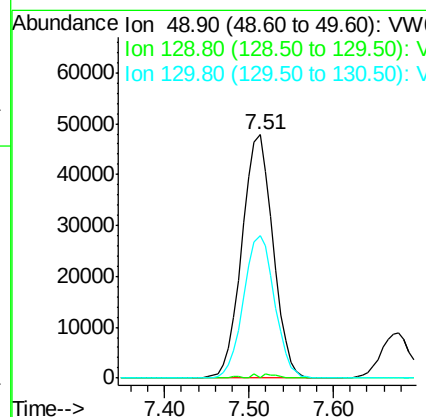
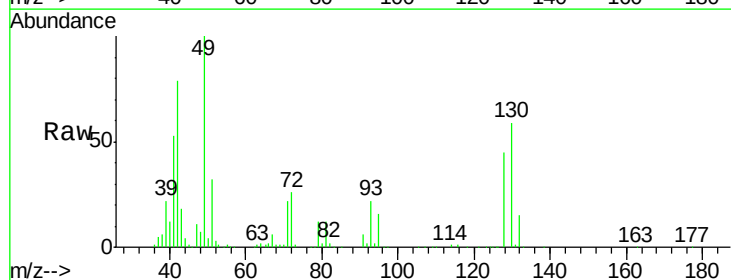
MMDadoda
 8/16/2019 8:27:26 AM

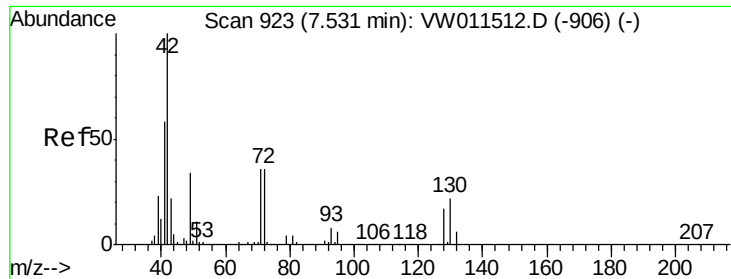


#28

Bromochloromethane
 Concen: 54.647 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118764		
129	1.0	0.0	1.0	
130	58.7	46.3	69.5	





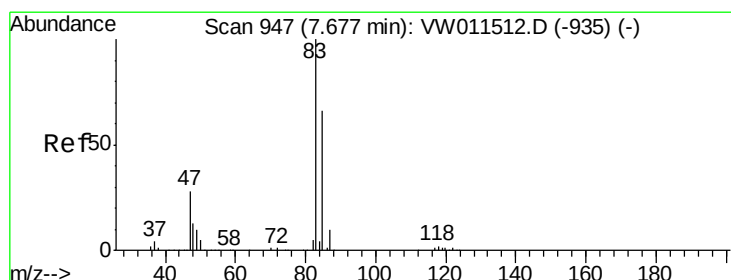
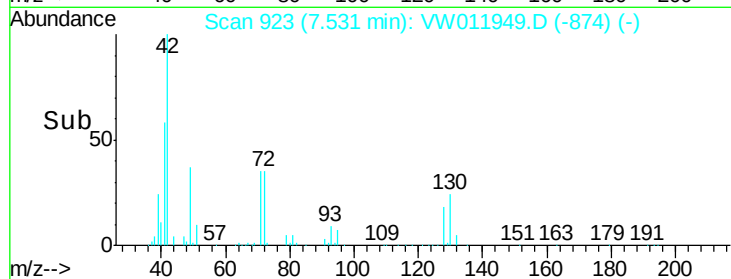
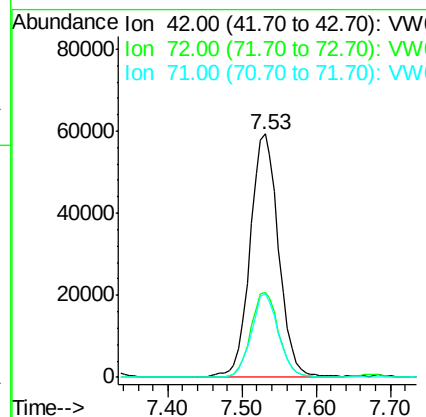
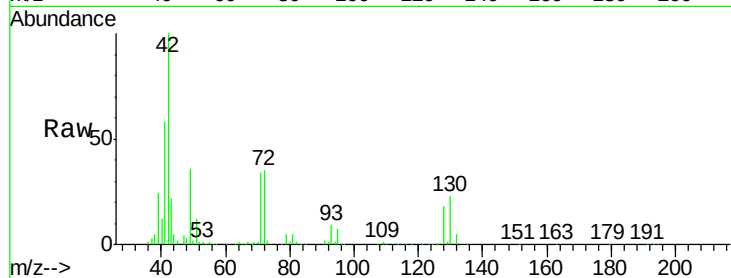
#29
Tetrahydrofuran
Concen: 265.359 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.5	27.1	40.7
71	33.1	26.2	39.4

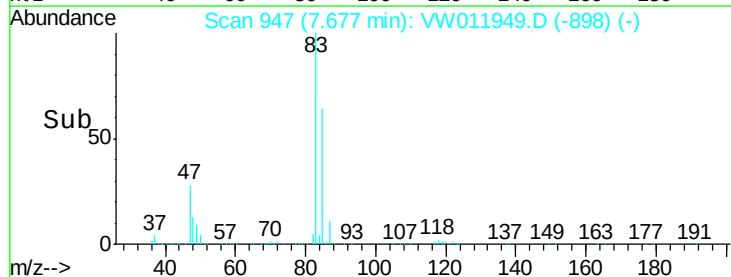
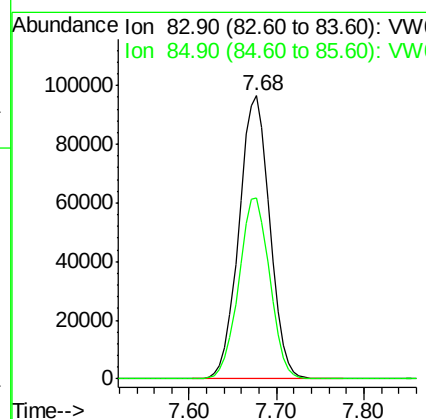
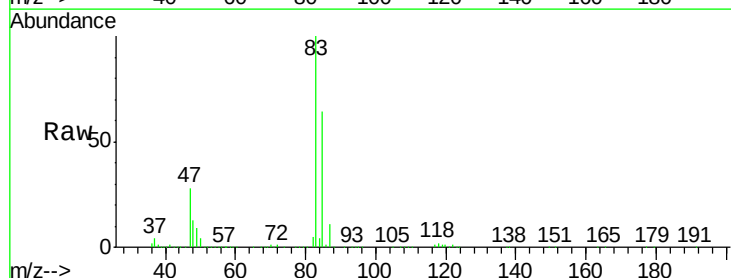
Manual Integrations
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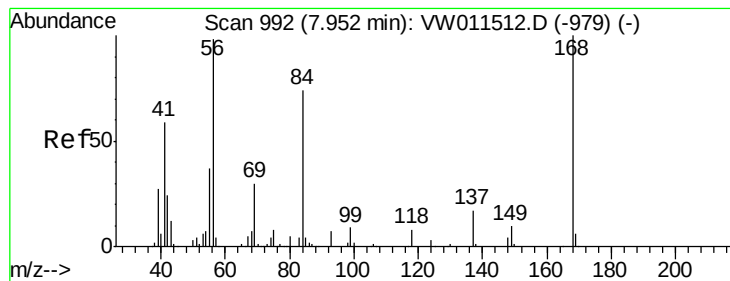
MMDadoda
8/16/2019 8:27:26 AM



#30
Chloroform
Concen: 51.969 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.5	78.7





#31

Cyclohexane

Concen: 47.424 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

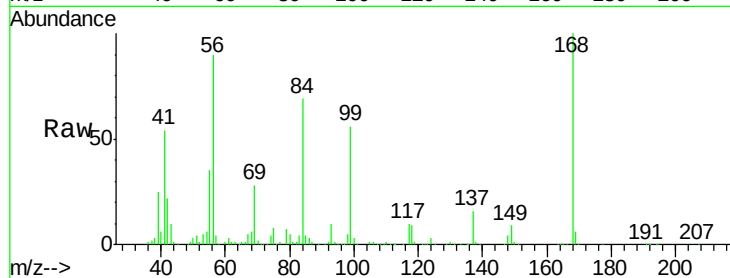
VSTDCCC050EC

Tot Ion: 56 Resp: 222895

Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.3	36.5
84	75.1	60.4	90.6

Manual Integrations
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MMDadoda
8/16/2019 8:27:26 AM

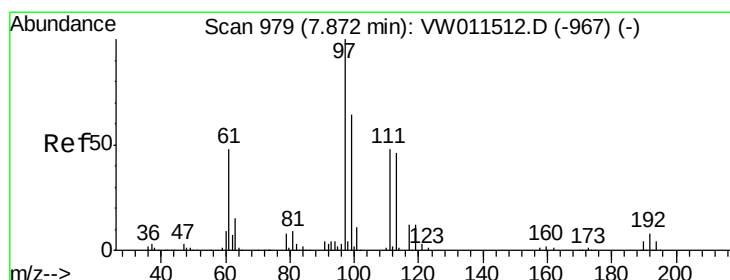
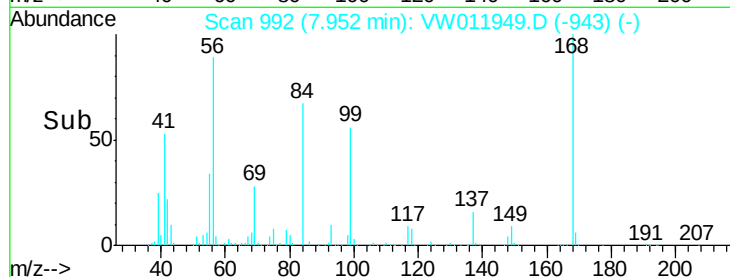
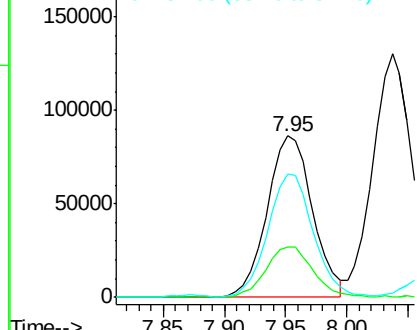


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 52.491 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Tgt Ion: 97 Resp: 180577

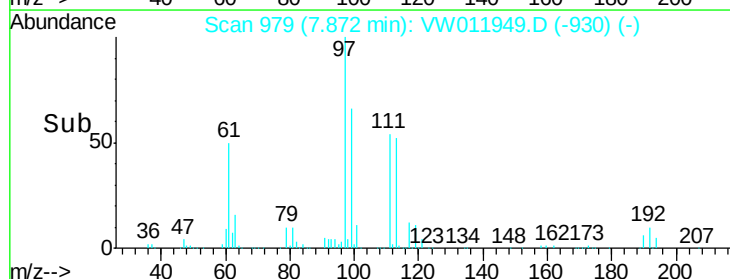
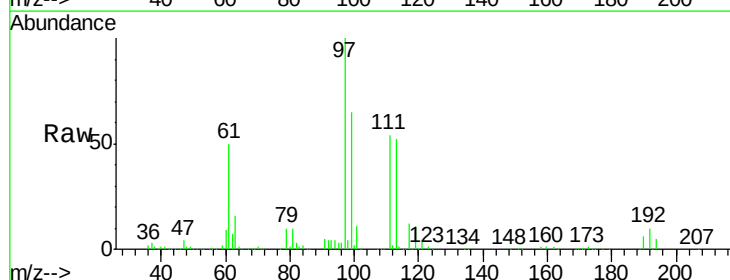
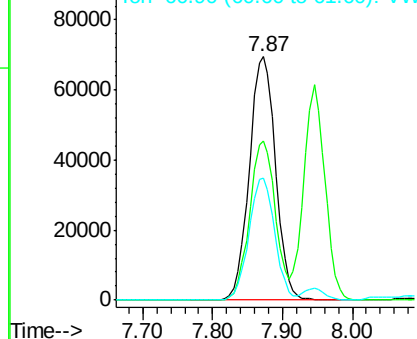
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.6
61	49.1	39.8	59.6

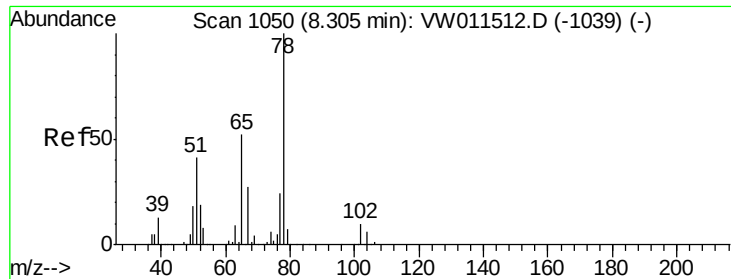
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





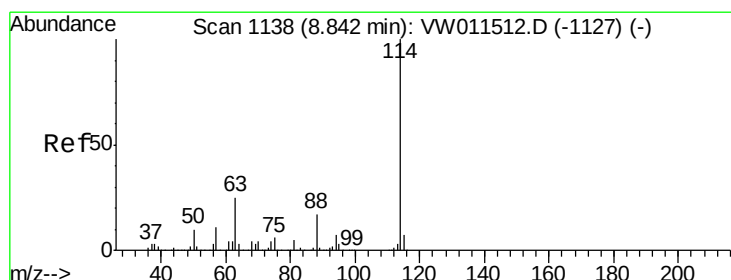
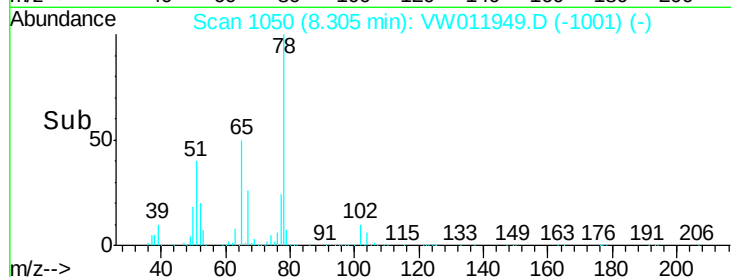
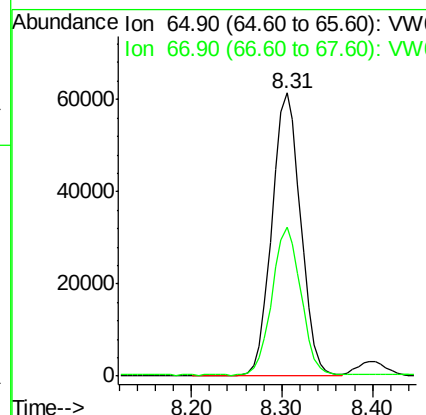
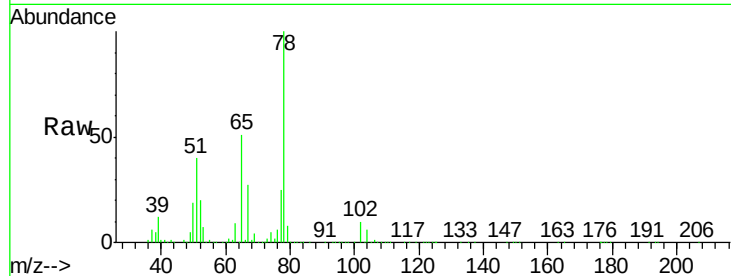
#33
 1,2-Dichloroethane-d4
 Concen: 53.850 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135363		
67	52.2	0.0	105.2	

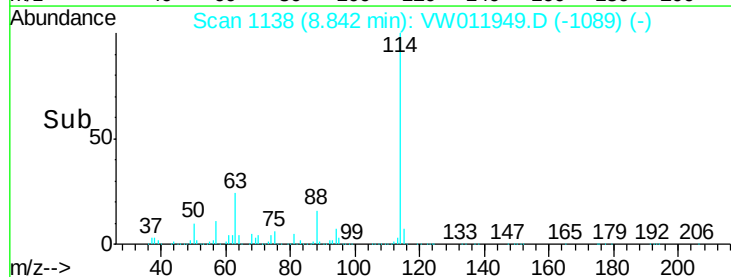
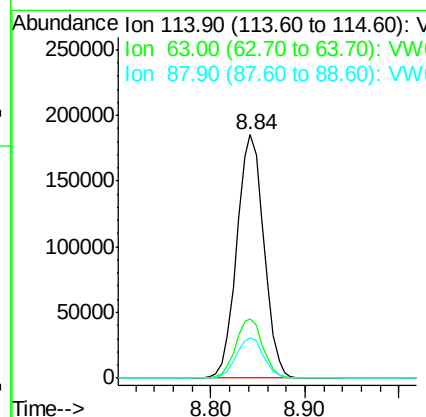
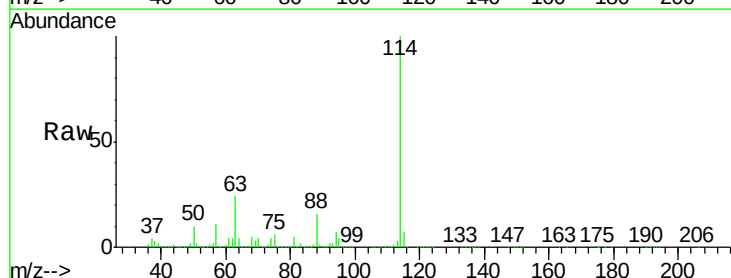
Manual Integrations
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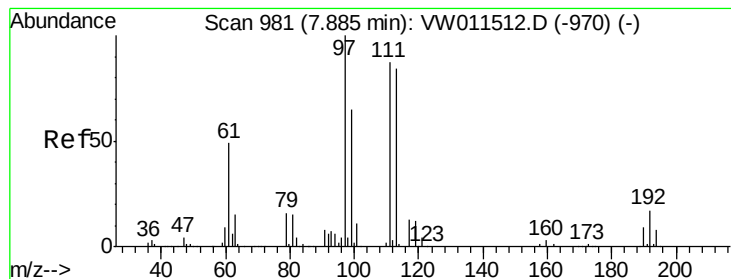
MMDadoda
 8/16/2019 8:27:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	367336		
63	24.5	0.0	49.2	
88	16.5	0.0	33.8	





#35

Dibromofluoromethane

Concen: 52.562 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

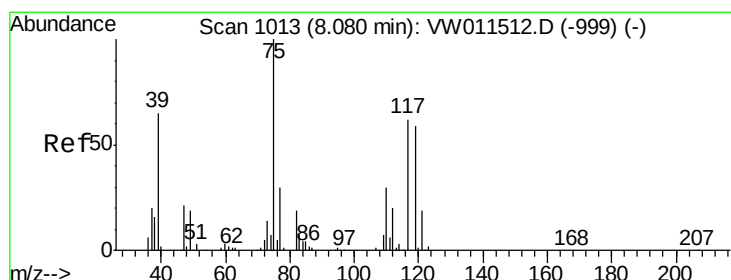
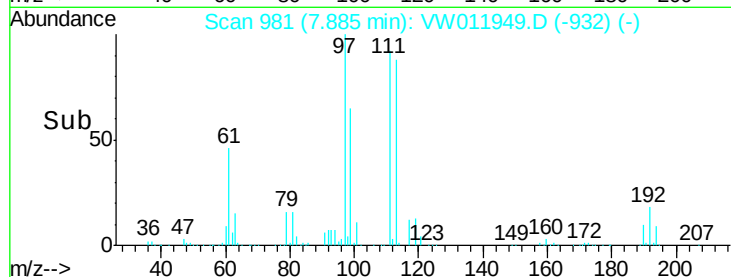
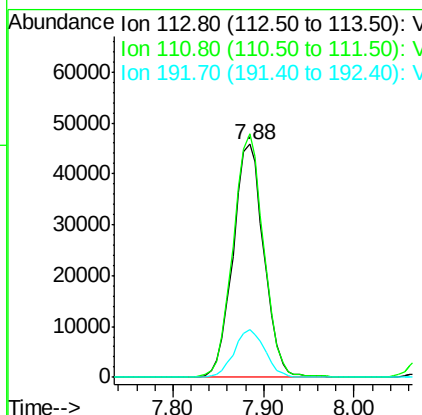
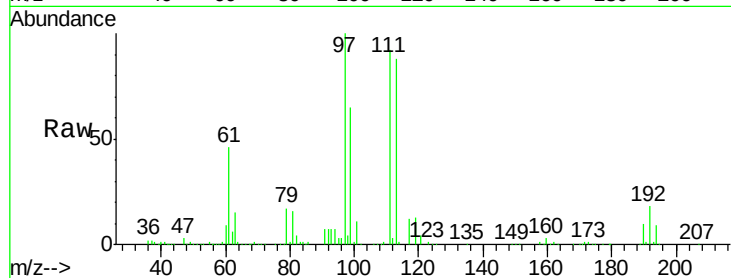
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	108321
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.7	124.1
192	20.6	16.1	24.1

Manual Integrations
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MMDadoda
8/16/2019 8:27:26 AM



#36

1,1-Dichloropropene

Concen: 49.778 ug/l

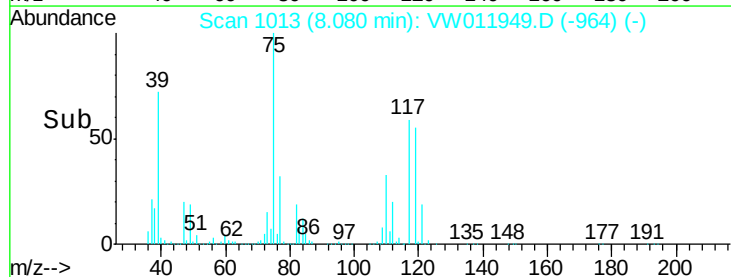
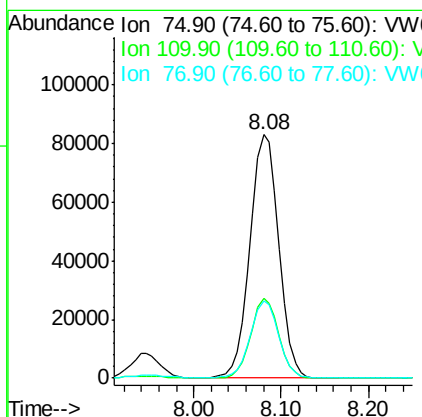
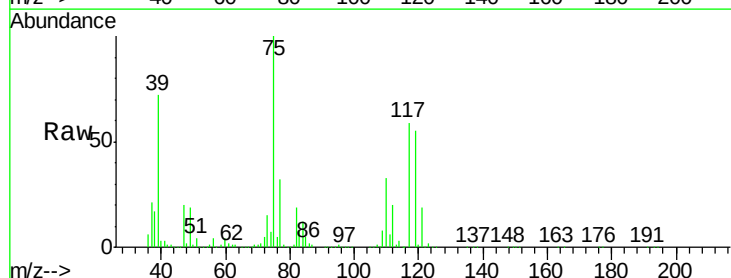
RT: 8.08 min Scan# 1013

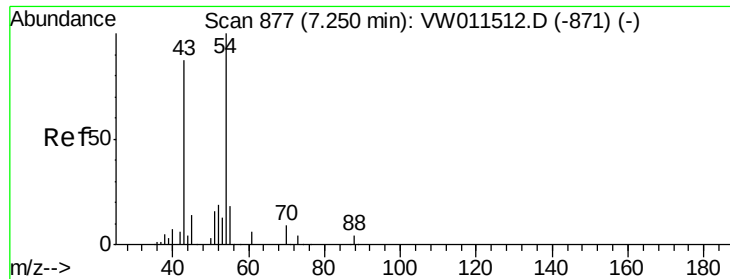
Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Tgt Ion:	75	Resp:	190132
Ion Ratio	Lower	Upper	
75	100		
110	31.5	15.6	46.8
77	31.1	24.3	36.5





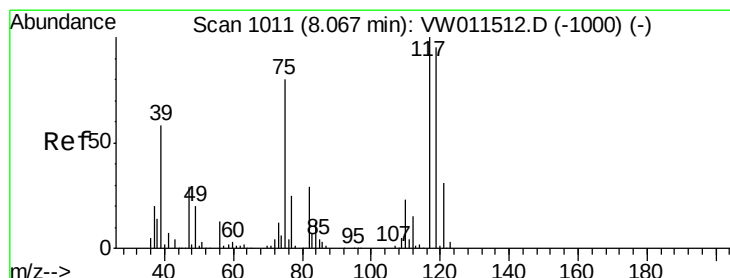
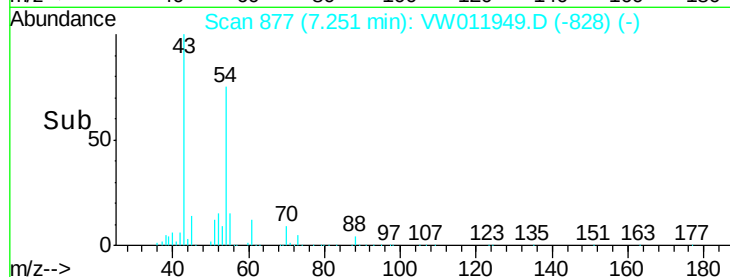
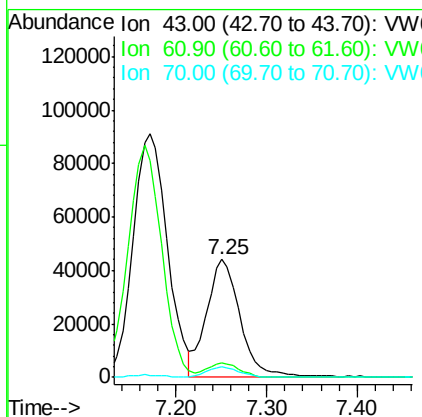
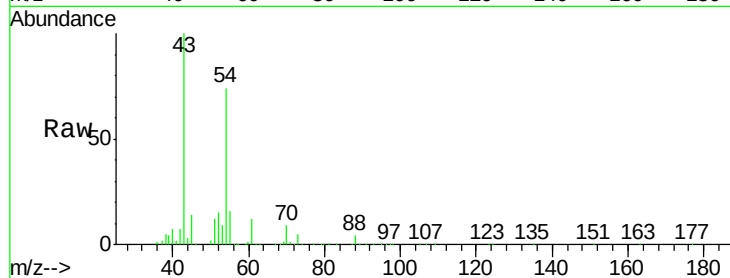
#37
Ethyl Acetate
Concen: 51.162 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	8.8	13.2
70	9.1	7.1	10.7

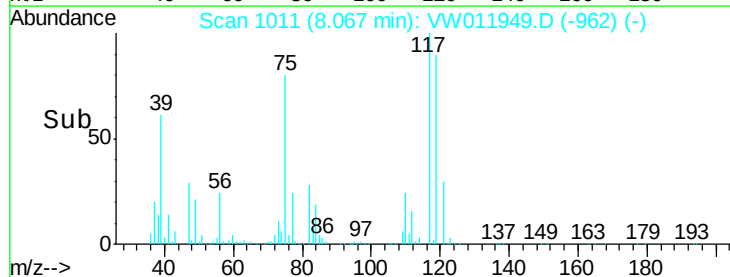
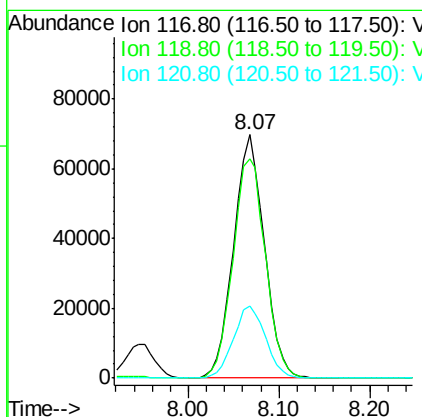
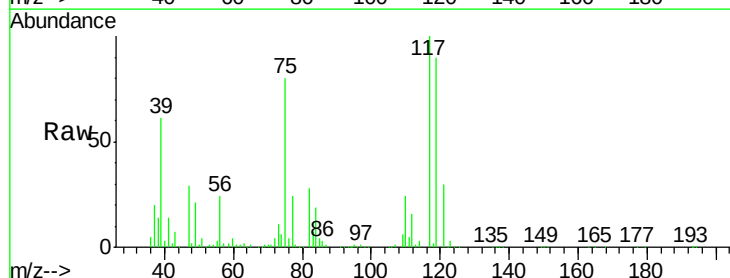
Manual Integrations
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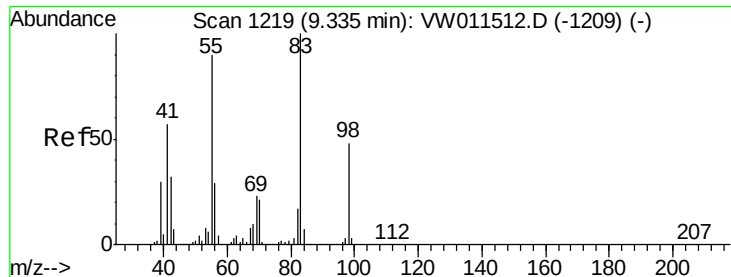
MMDadoda
8/16/2019 8:27:26 AM



#38
Carbon Tetrachloride
Concen: 50.254 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	75.8	113.6
121	29.7	24.7	37.1





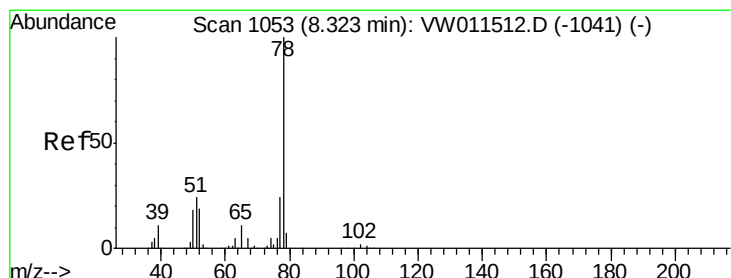
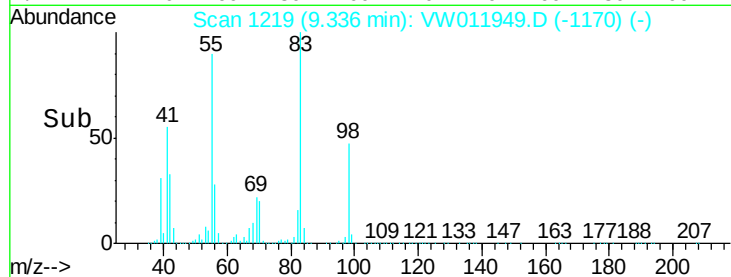
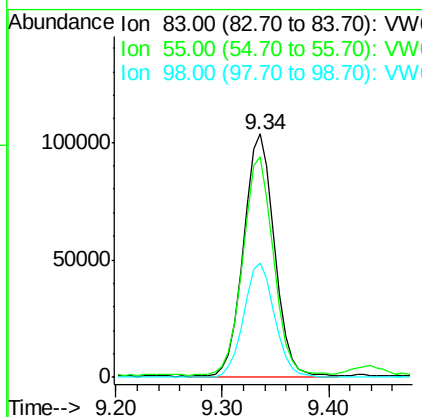
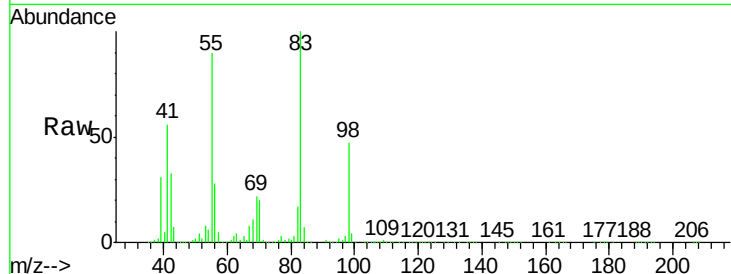
#39
Methylvlcyclohexane
Concen: 49.993 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.8	72.1	108.1
98	46.8	38.6	57.8

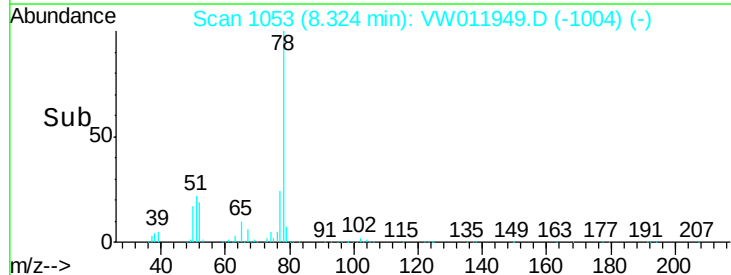
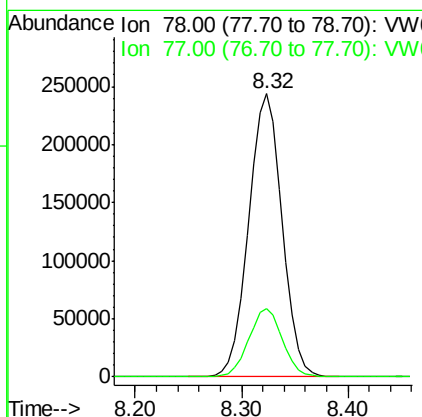
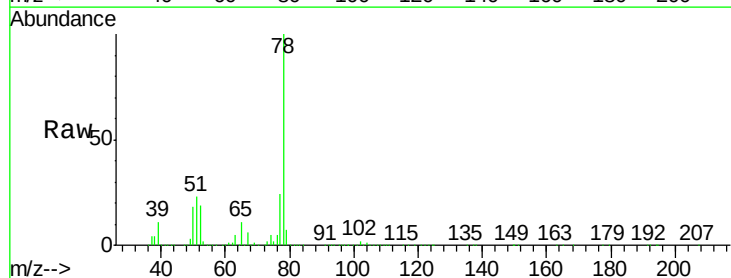
Manual Integrations
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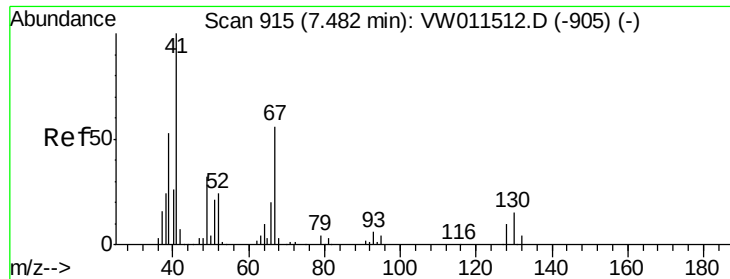
MMDadoda
8/16/2019 8:27:26 AM



#40
Benzene
Concen: 50.109 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





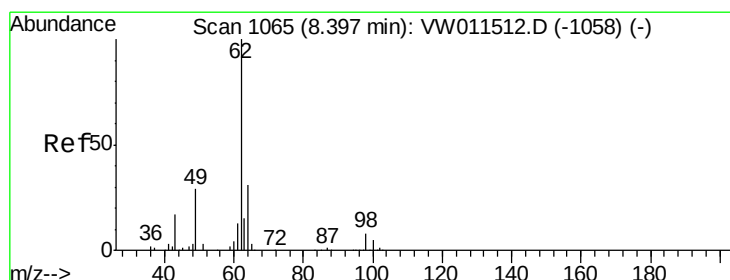
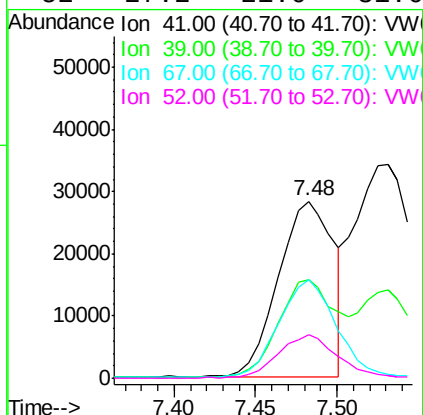
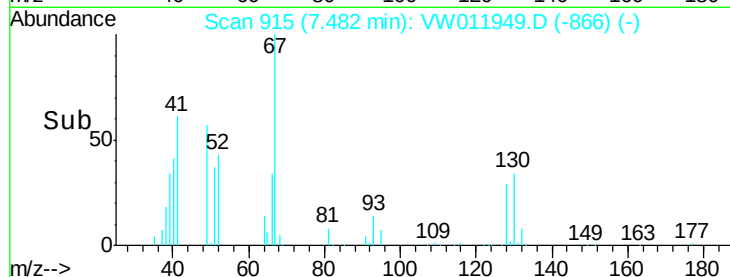
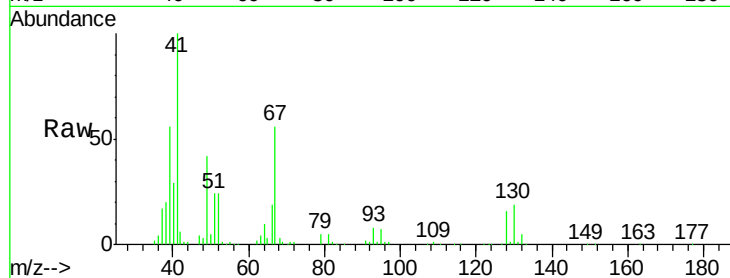
#41
Methacrylonitrile
Concen: 50.435 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		66253		
39	59.5	43.0	64.4		
67	58.1	47.5	71.3		
52	27.2	21.0	31.6		

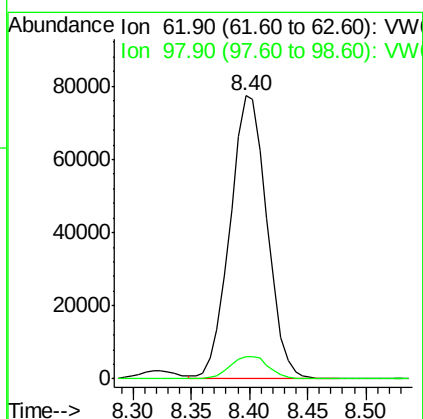
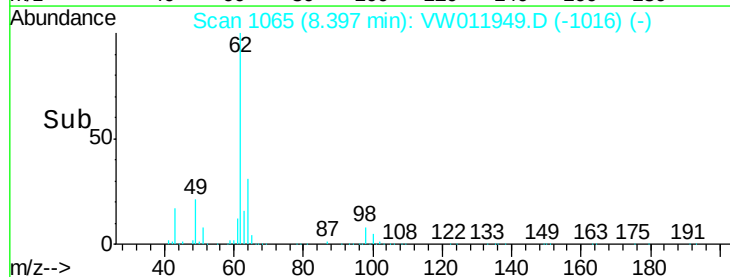
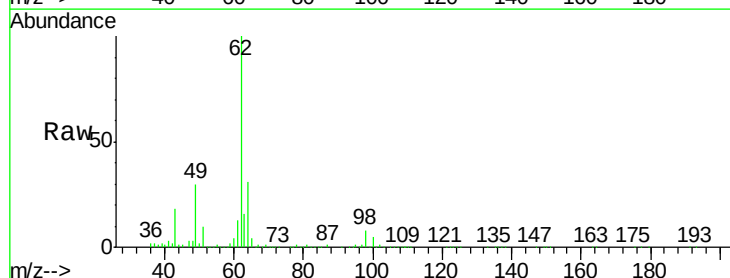
Manual Integrations
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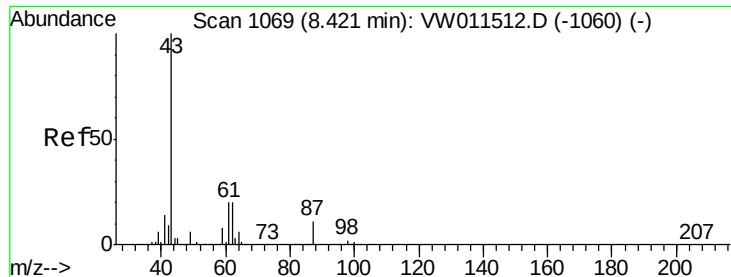
MMDadoda
8/16/2019 8:27:26 AM



#42
1,2-Dichloroethane
Concen: 51.051 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		171006		
98	8.4	0.0	16.8		





#43

Isopropyl Acetate

Concen: 52.559 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

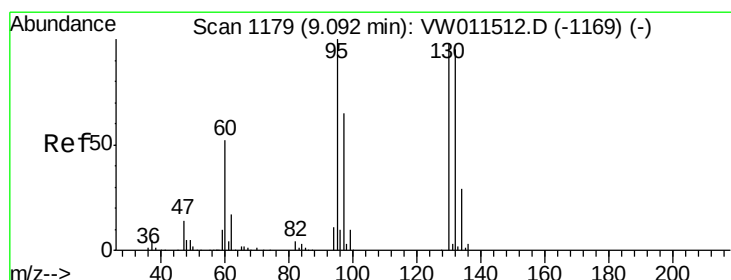
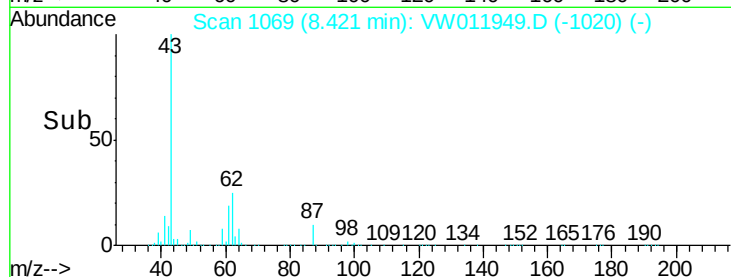
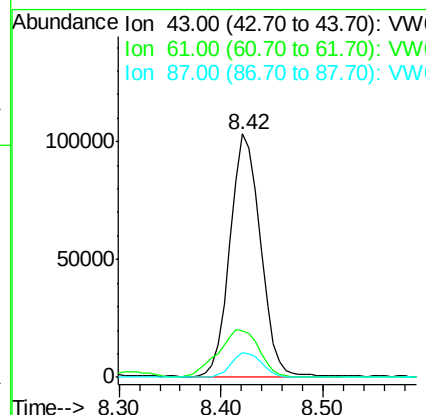
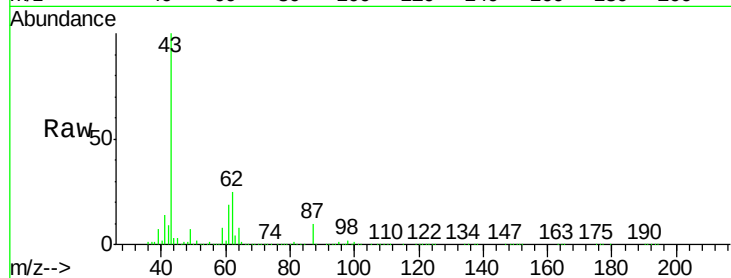
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	212415
Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.5	32.3
87	10.3	8.4	12.6

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8/16/2019 8:27:26 AM



#44

Trichloroethene

Concen: 50.629 ug/l

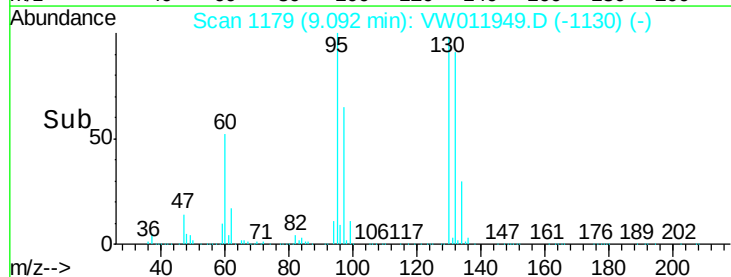
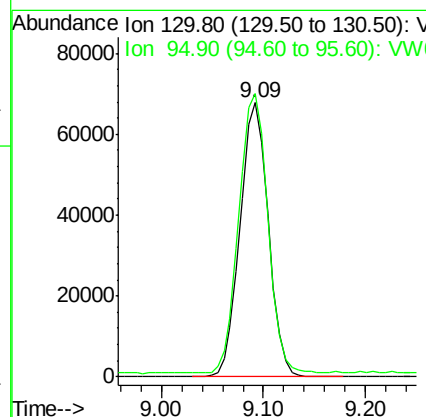
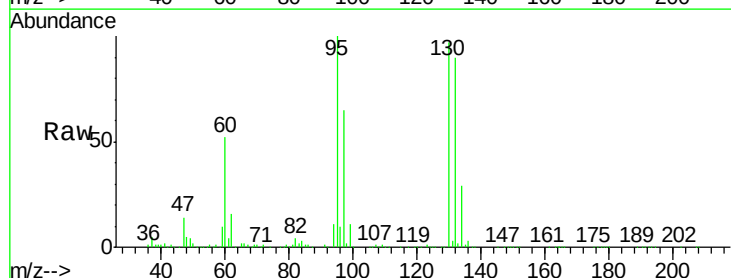
RT: 9.09 min Scan# 1179

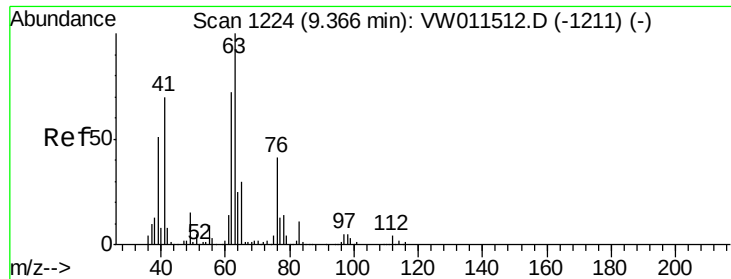
Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Tgt Ion:	130	Resp:	130191
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	204.8





#45

1,2-Dichloropropane

Concen: 51.032 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 146089

Ion Ratio Lower Upper

63 100

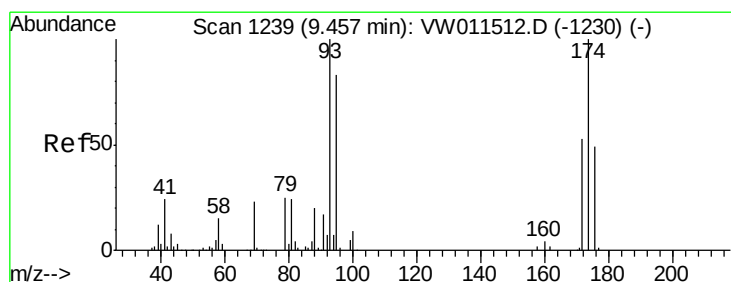
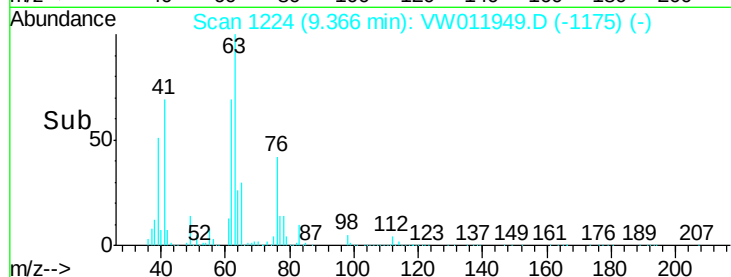
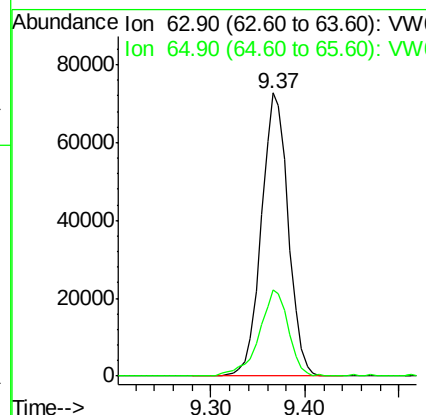
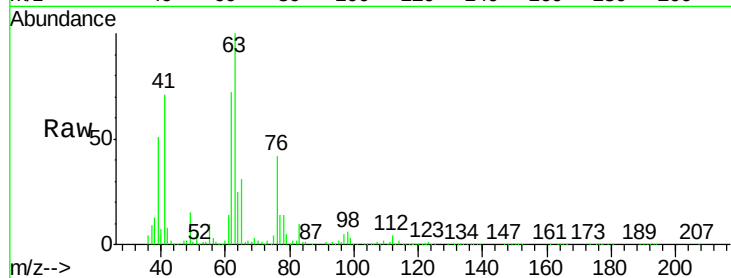
65 30.3 24.2 36.4

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8/16/2019 8:27:26 AM



#46

Dibromomethane

Concen: 50.964 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

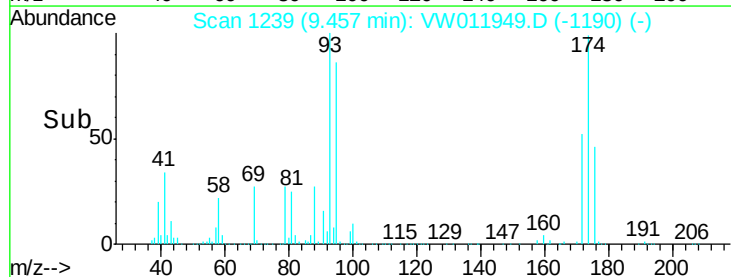
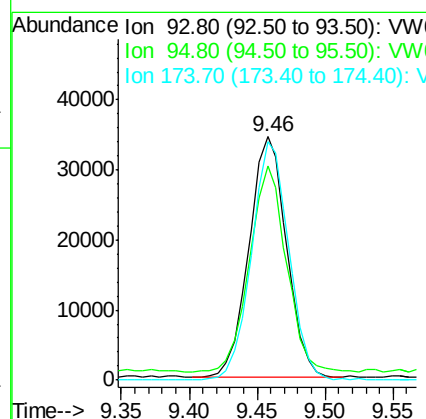
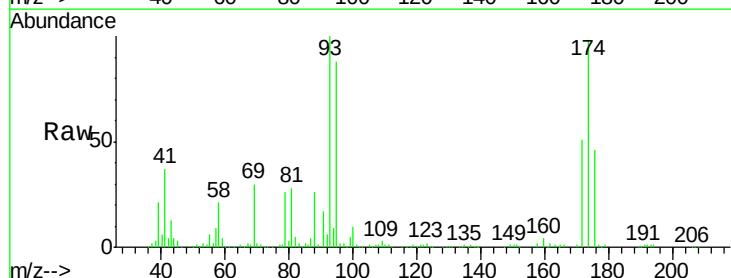
Tgt Ion: 93 Resp: 66589

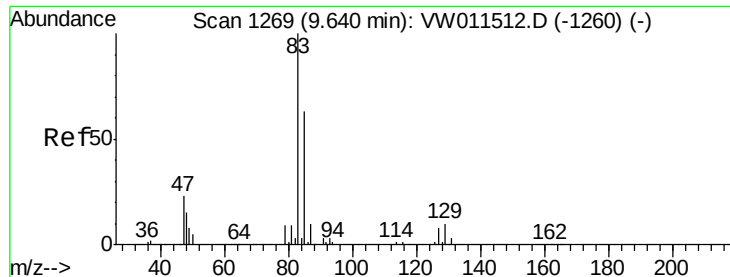
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.2

174 98.4 78.2 117.4





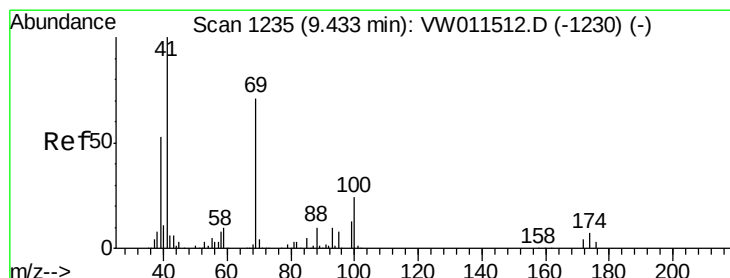
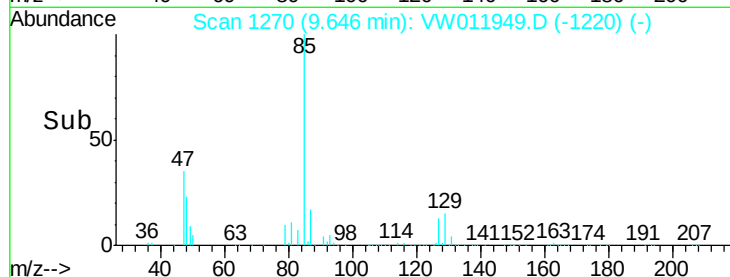
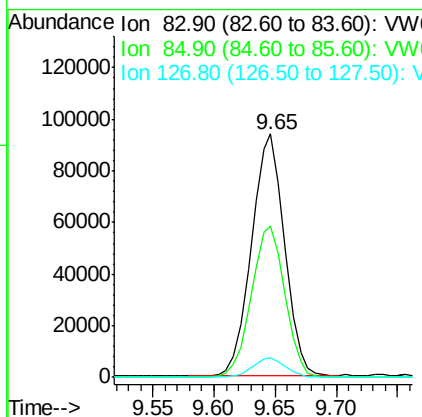
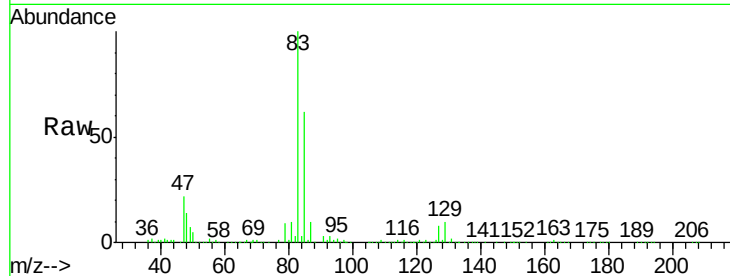
#47
Bromodichloromethane
Concen: 51.224 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	175564
Ion Ratio	100	Lower	Upper
83	100		
85	62.2	50.5	75.7
127	8.2	6.4	9.6

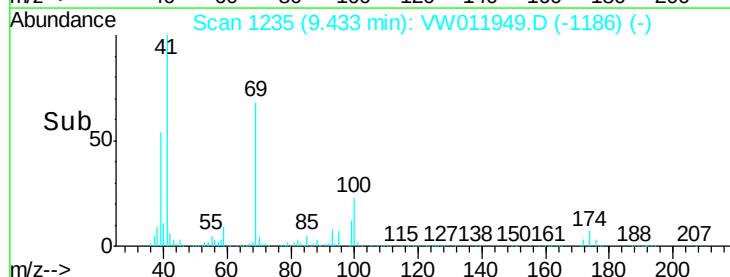
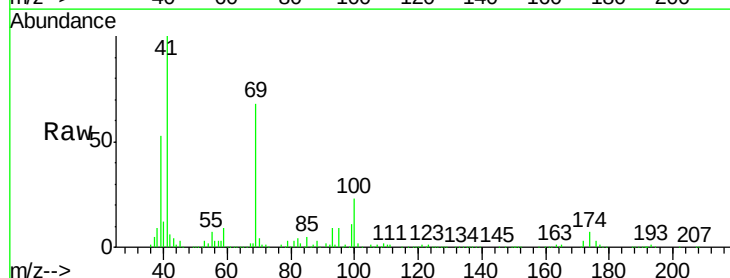
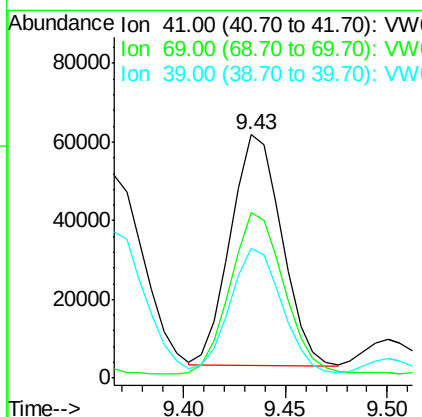
Manual Integrations
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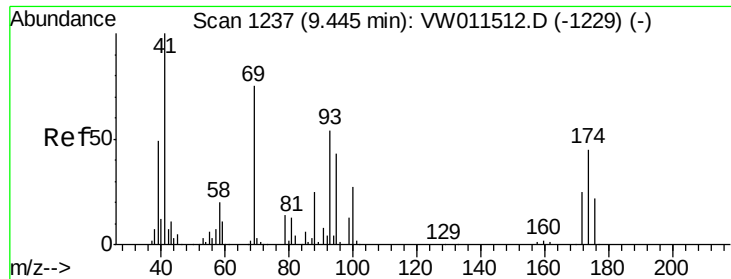
MMDadoda
8/16/2019 8:27:26 AM



#48
Methyl methacrylate
Concen: 53.031 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	41	Resp	102952
Ion Ratio	100	Lower	Upper
41	100		
69	73.3	57.1	85.7
39	58.0	45.4	68.2





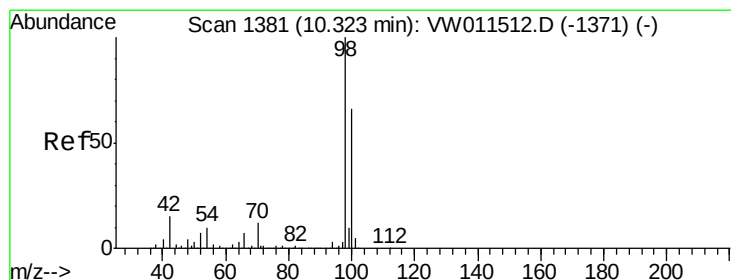
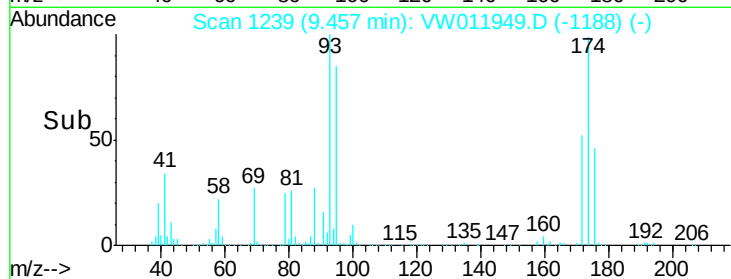
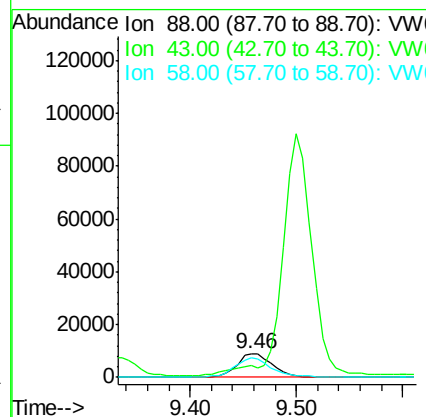
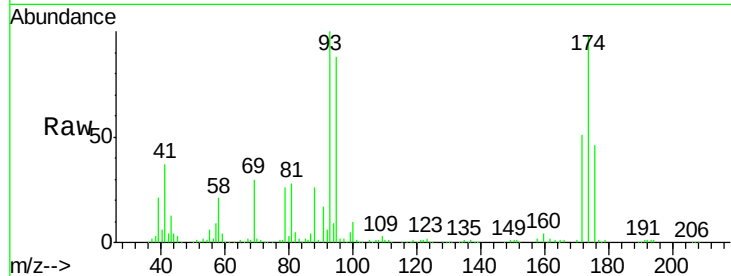
#49
1,4-Dioxane
Concen: 1109.177 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.0	51.0#
58	85.9	69.7	104.5

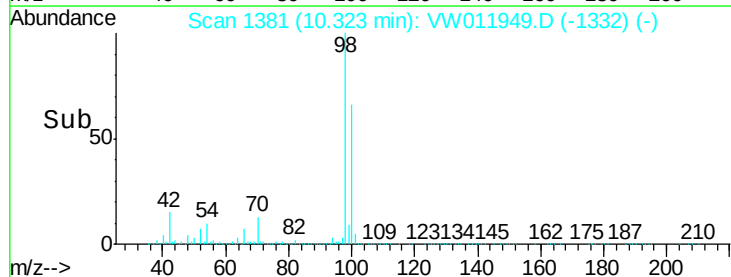
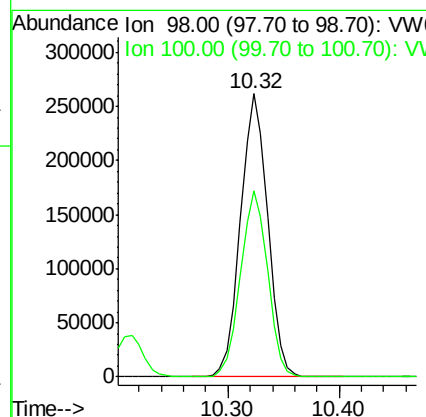
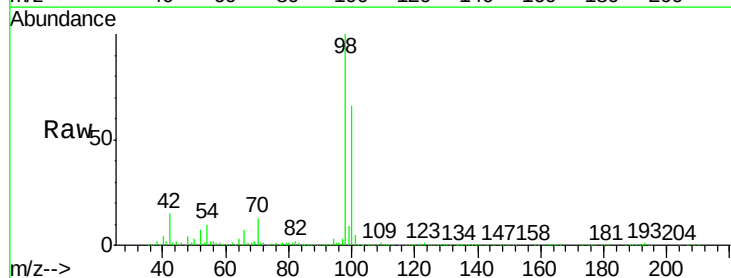
Manual Integrations
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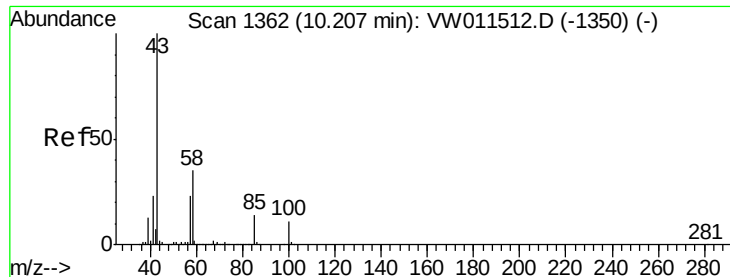
MMDadoda
8/16/2019 8:27:26 AM



#50
Toluene-d8
Concen: 52.249 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





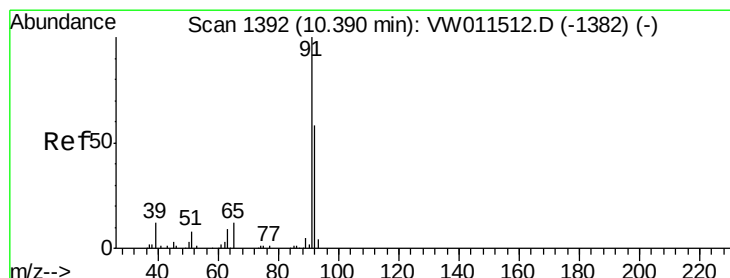
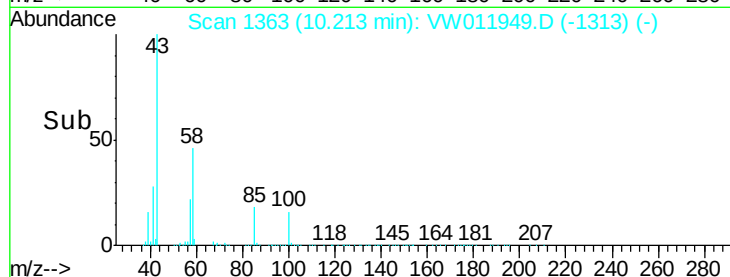
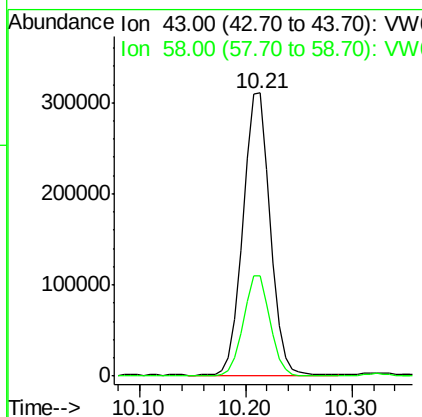
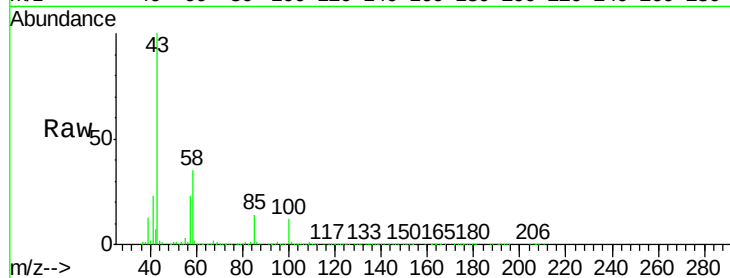
#51
4-Methyl-2-Pentanone
Concen: 264.225 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.2	42.2

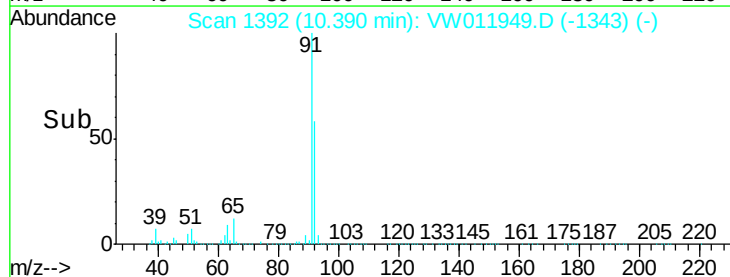
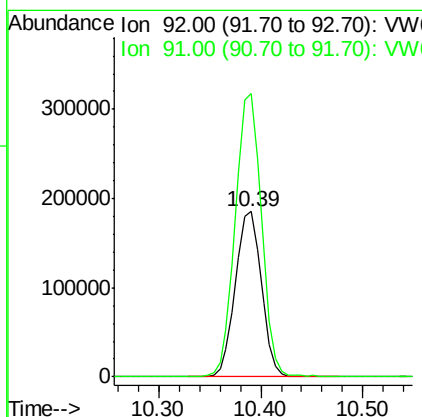
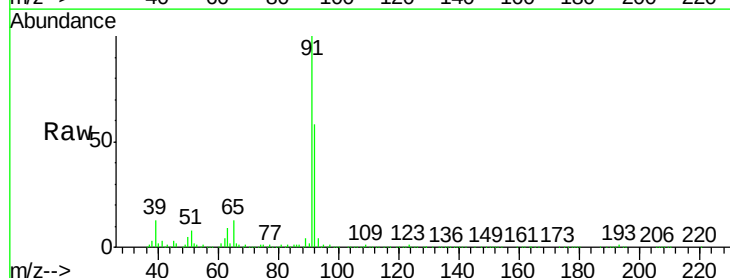
Manual Integrations
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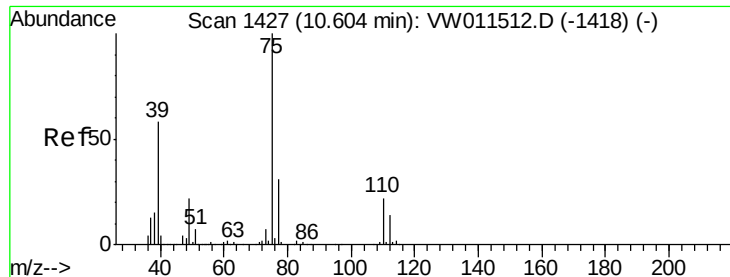
MMDadoda
8/16/2019 8:27:26 AM



#52
Toluene
Concen: 50.434 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.7	205.1





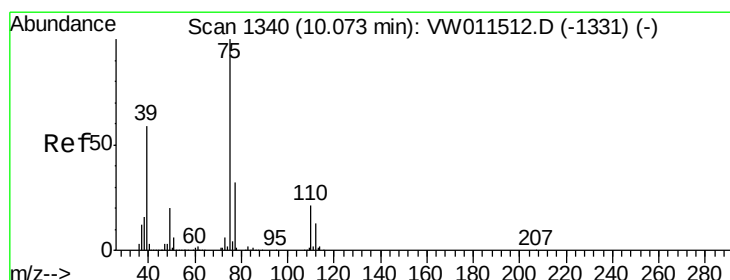
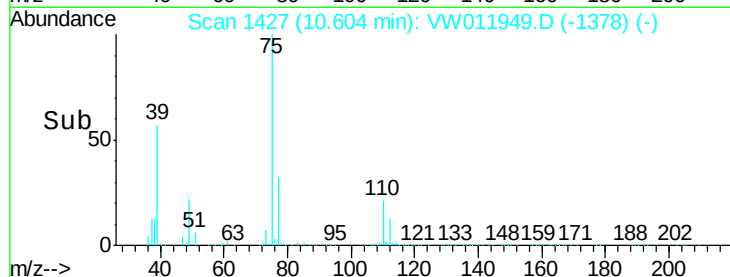
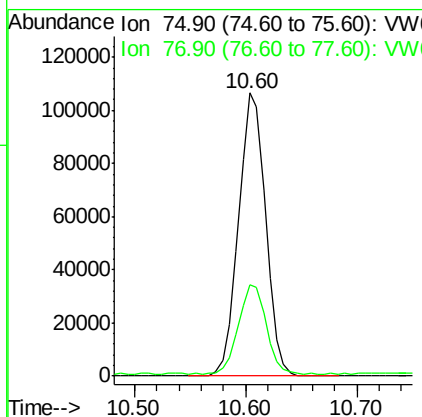
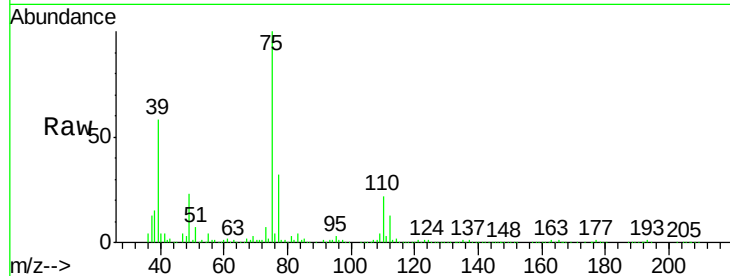
#53
t-1,3-Dichloropropene
Concen: 50.276 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4

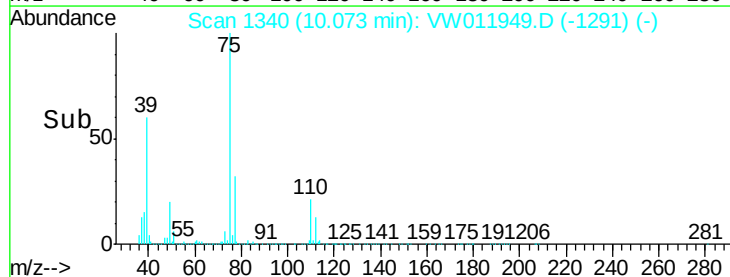
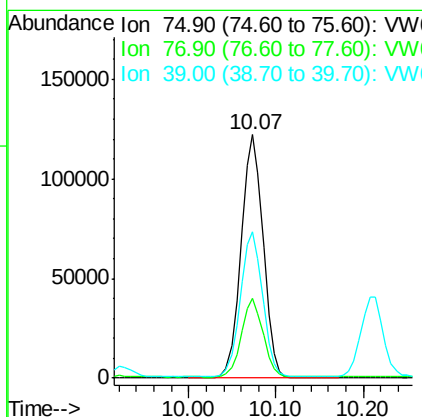
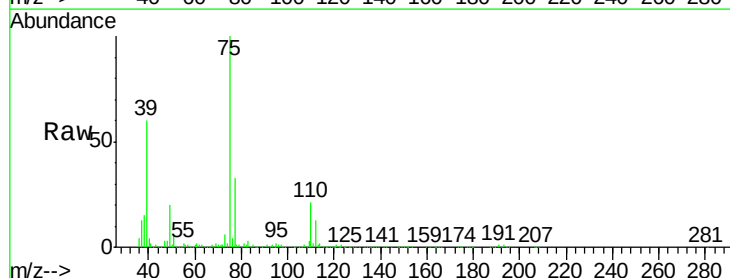
Manual Integrations
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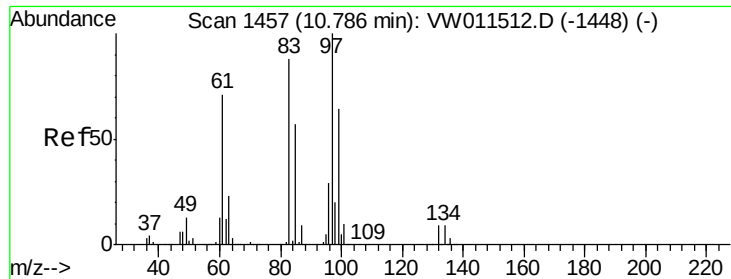
MMDadoda
8/16/2019 8:27:26 AM



#54
cis-1,3-Dichloropropene
Concen: 50.262 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.6	38.4
39	59.7	47.0	70.4





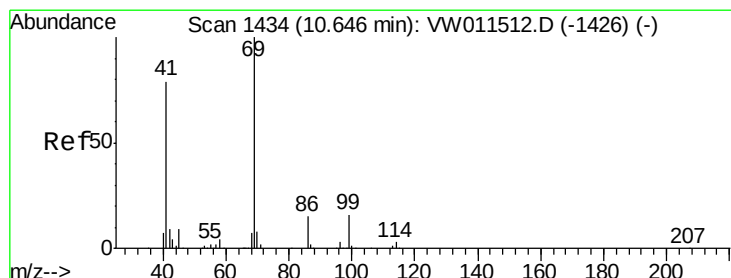
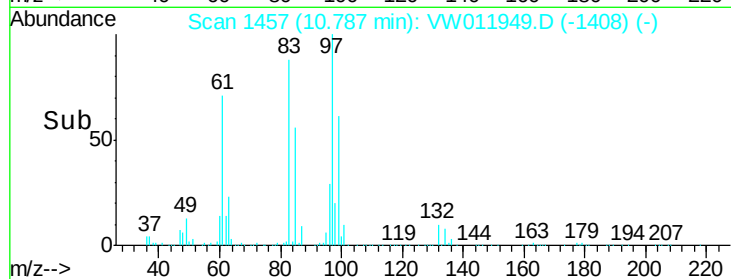
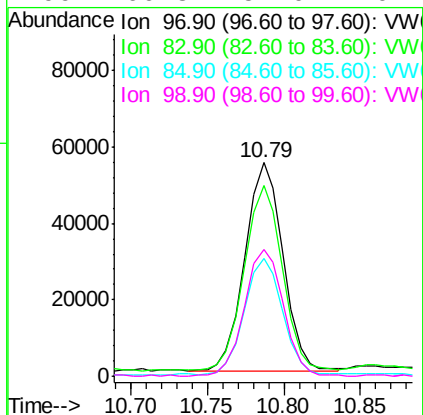
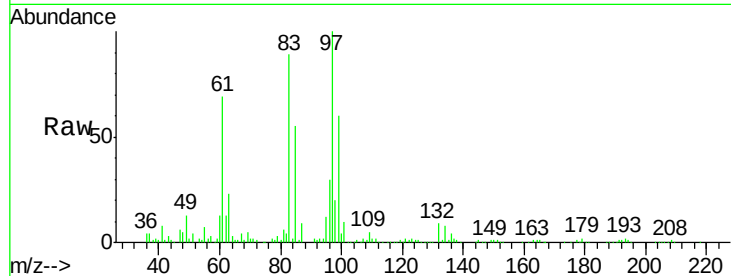
#55
 1,1,2-Trichloroethane
 Concen: 51.020 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	94584
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.5	105.7
85	55.3	45.8	68.6
99	60.8	51.0	76.4

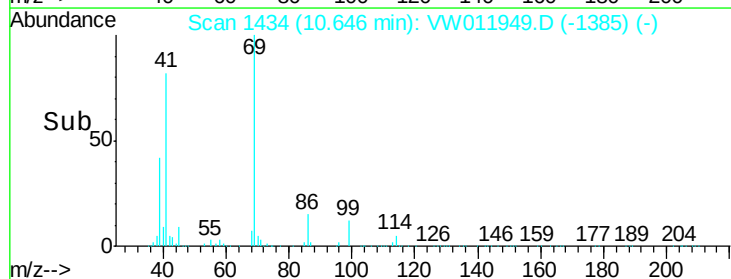
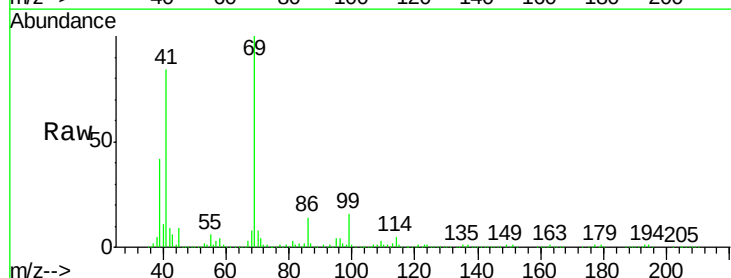
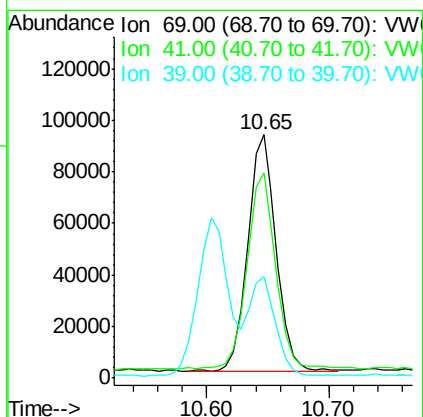
Manual Integrations
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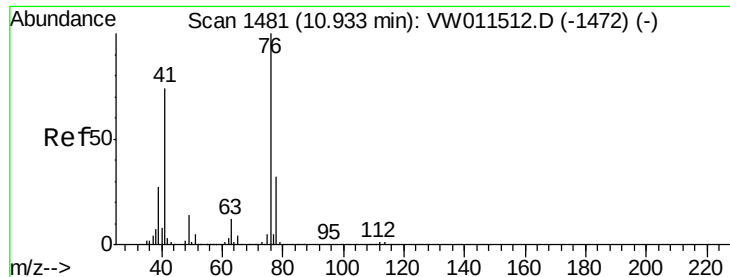
MMDadoda
 8/16/2019 8:27:26 AM



#56
 Ethyl methacrylate
 Concen: 53.908 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion:	69	Resp:	146239
Ion	Ratio	Lower	Upper
69	100		
41	85.3	66.6	99.8
39	39.0	30.3	45.5





#57

1,3-Dichloropropane

Concen: 51.475 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 180537

Ion Ratio Lower Upper

76 100

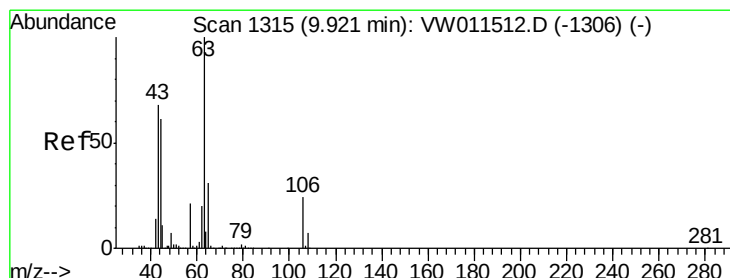
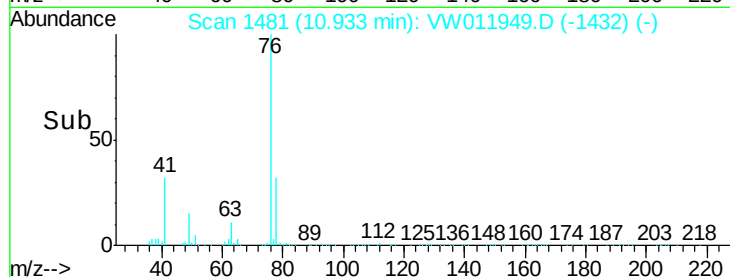
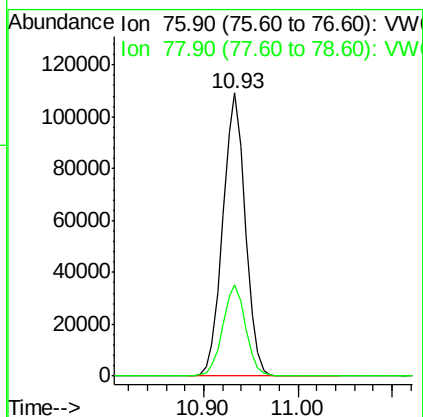
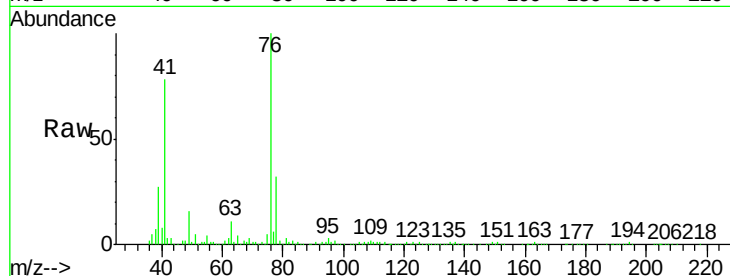
78 32.1 25.2 37.8

Manual Integrations

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MMDadoda

8/16/2019 8:27:26 AM



#58

2-Chloroethyl Vinyl ether

Concen: 303.180 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011949.D

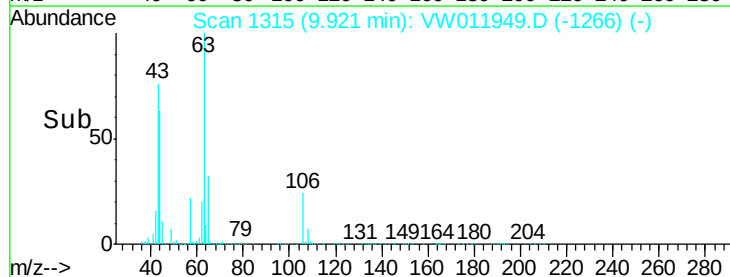
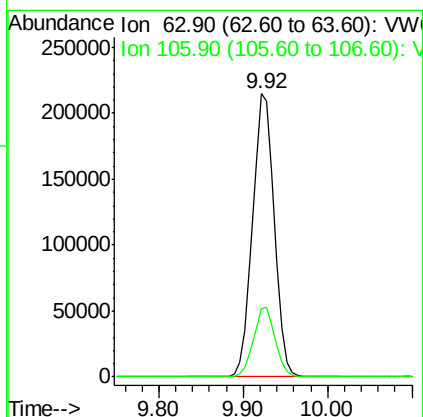
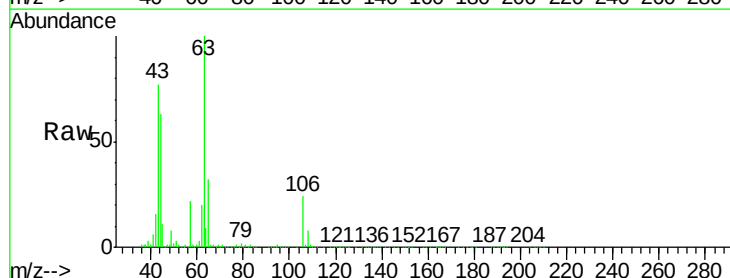
Acq: 16 Aug 2019 01:11

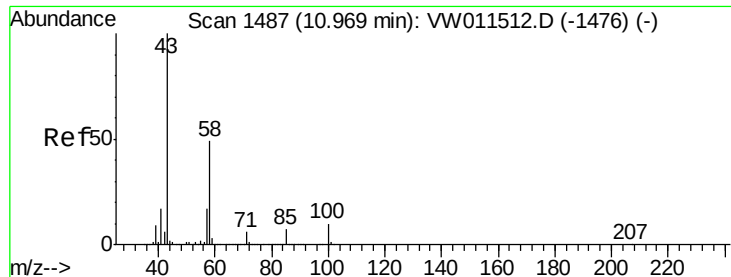
Tgt Ion: 63 Resp: 373430

Ion Ratio Lower Upper

63 100

106 24.7 19.7 29.5





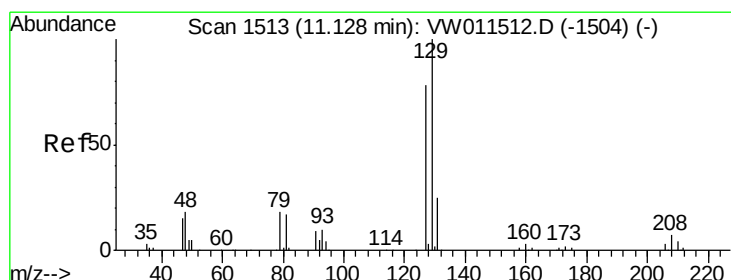
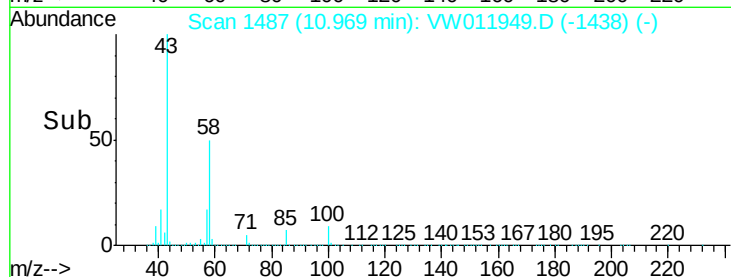
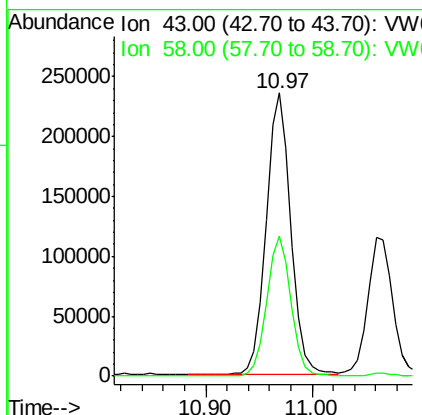
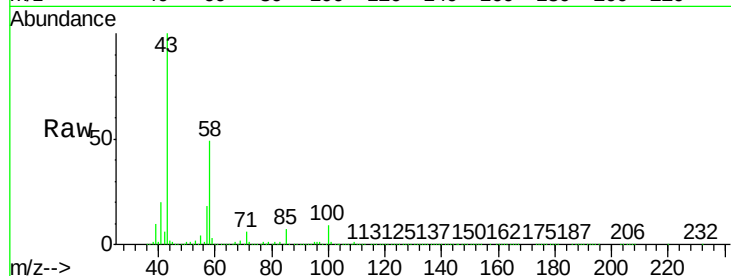
#59
2-Hexanone
Concen: 254.067 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 377099
Ion Ratio Lower Upper
43 100
58 48.8 24.3 72.9

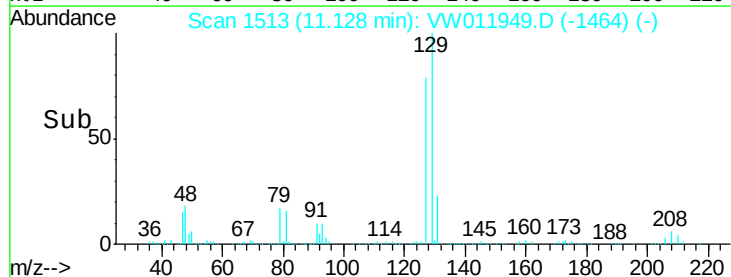
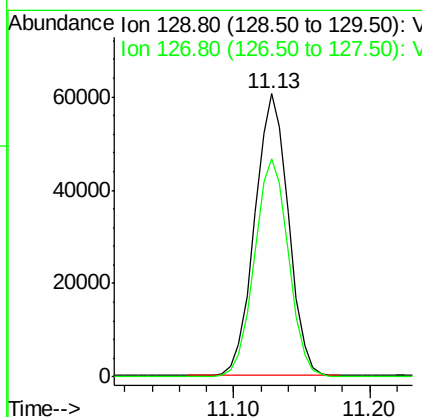
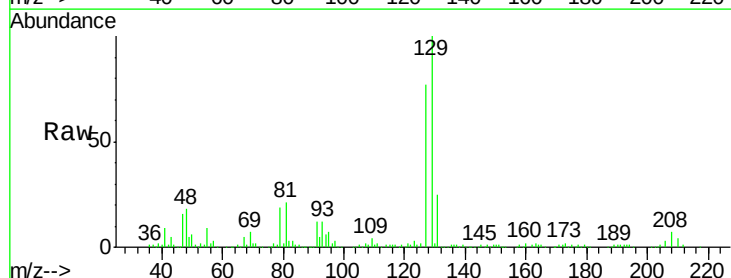
Manual Integrations
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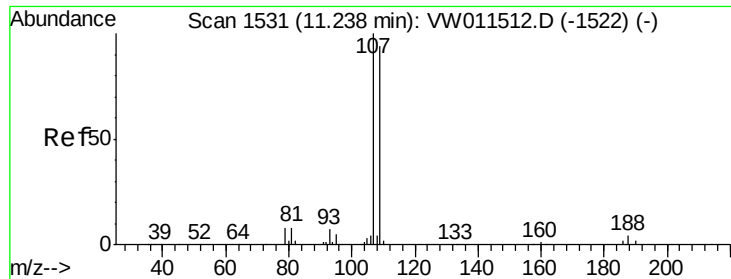
MMDadoda
8/16/2019 8:27:26 AM



#60
Dibromochloromethane
Concen: 50.959 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion: 129 Resp: 104863
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.559 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 90454

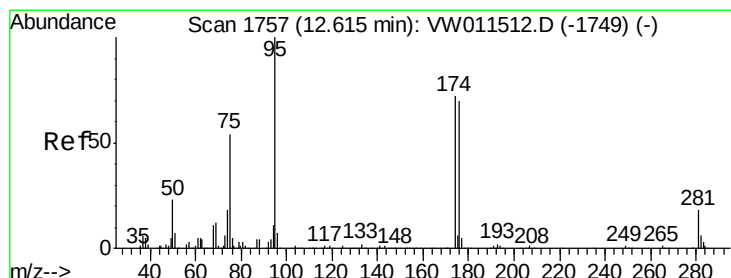
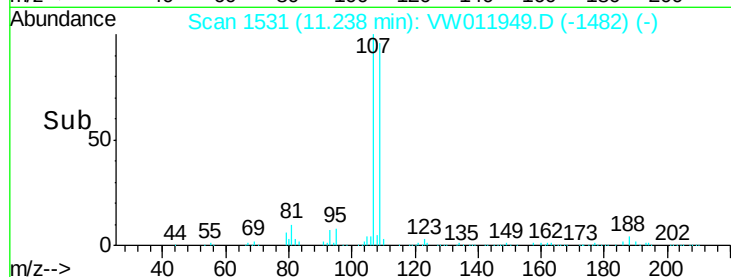
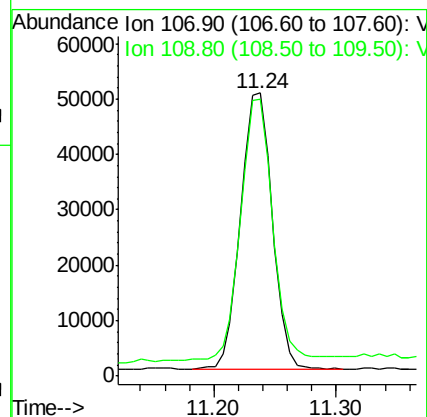
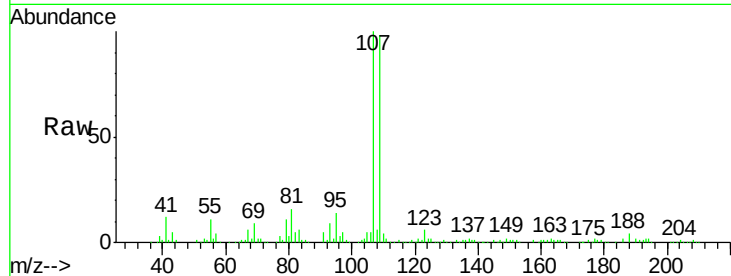
Ion Ratio Lower Upper

107 100

109 94.7 75.0 112.6

Manual Integrations
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8/16/2019 8:27:26 AM



#62

4-Bromofluorobenzene

Concen: 74.089 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

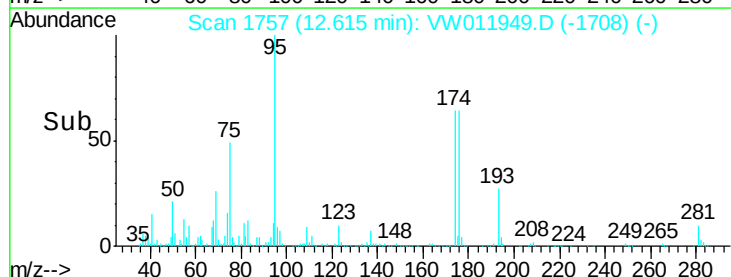
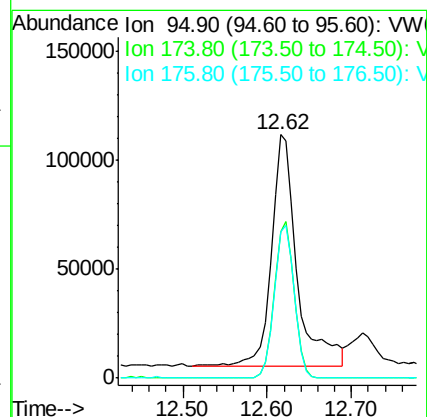
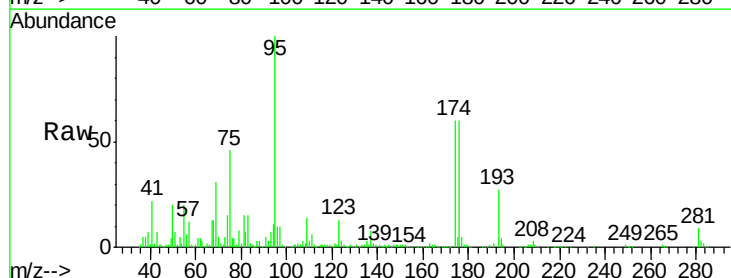
Tgt Ion: 95 Resp: 222872

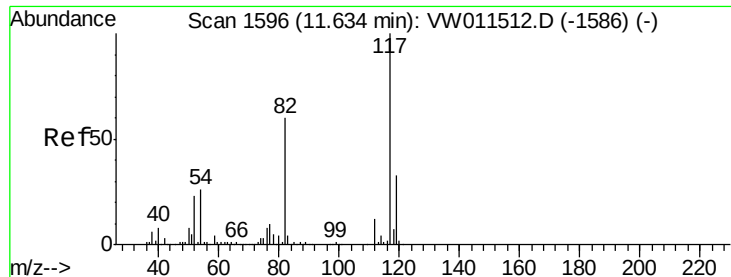
Ion Ratio Lower Upper

95 100

174 52.4 0.0 150.2

176 51.5 0.0 144.4





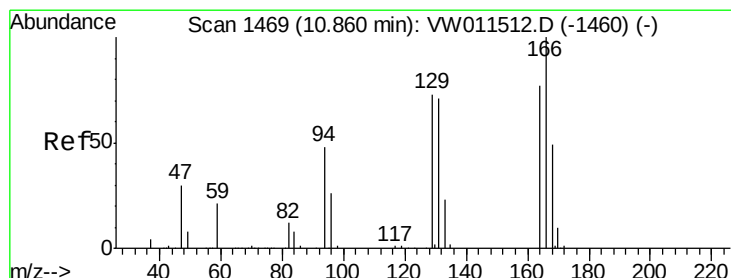
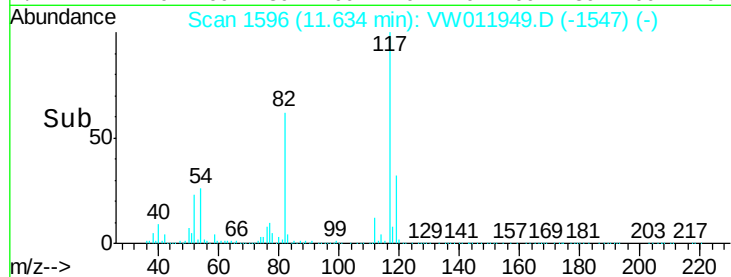
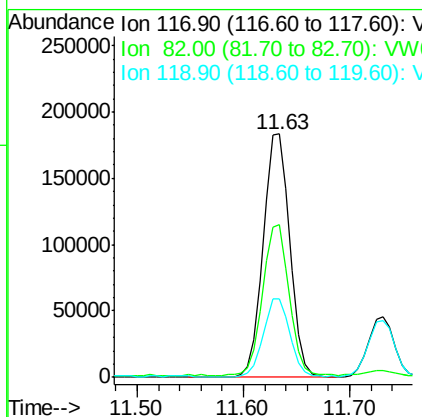
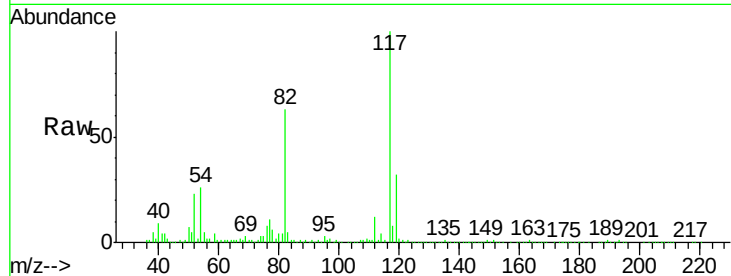
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	47.9	71.9
119	31.6	26.2	39.2

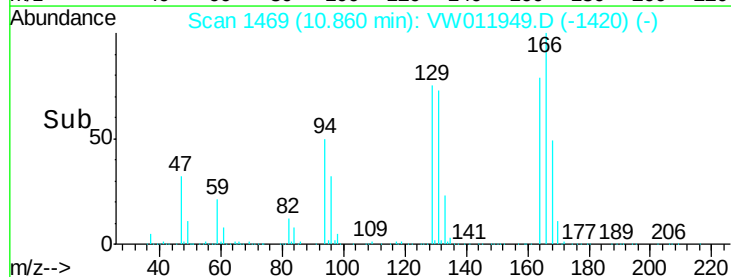
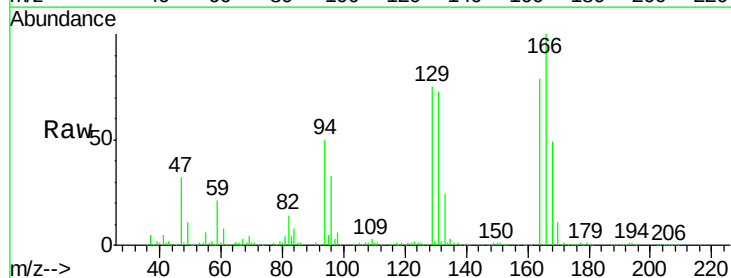
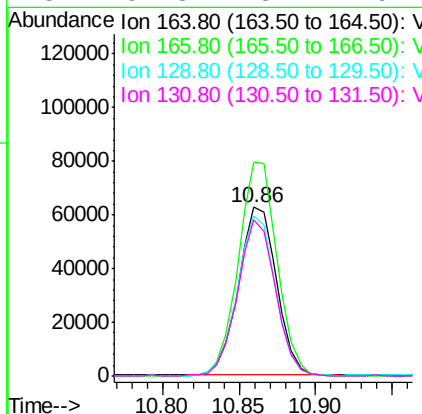
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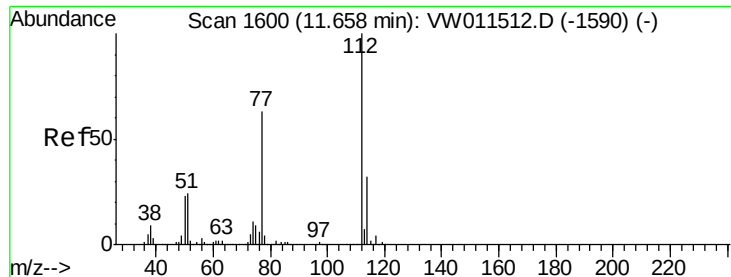
MMDadoda
8/16/2019 8:27:26 AM



#64
Tetrachloroethene
Concen: 51.738 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.5	155.3
129	95.2	75.2	112.8
131	92.8	73.4	110.2





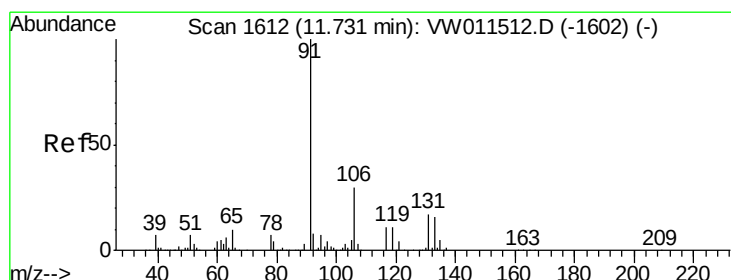
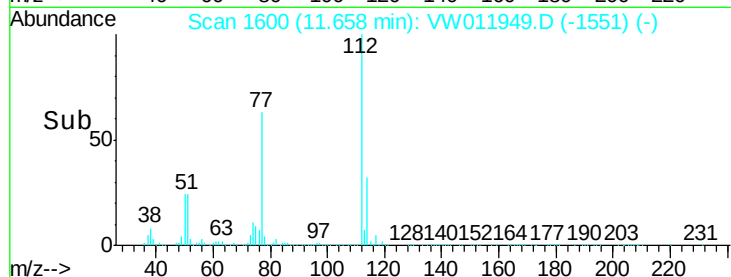
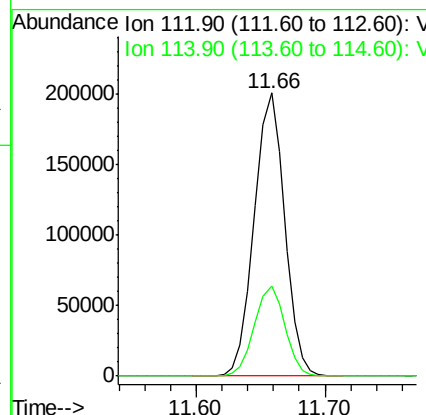
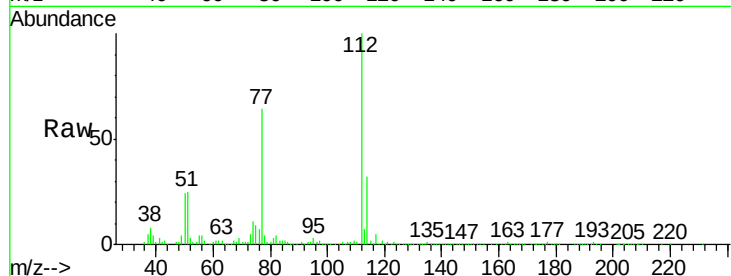
#65
Chlorobenzene
Concen: 50.438 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 325743
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

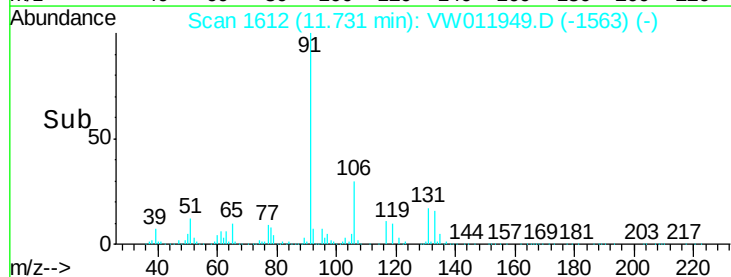
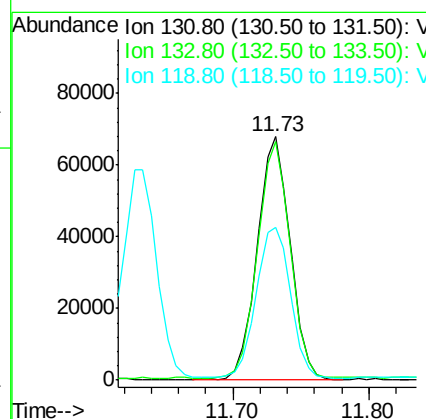
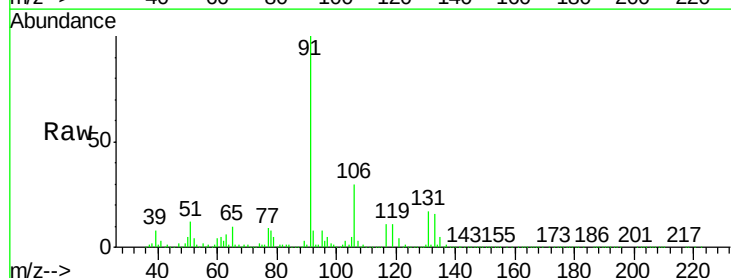
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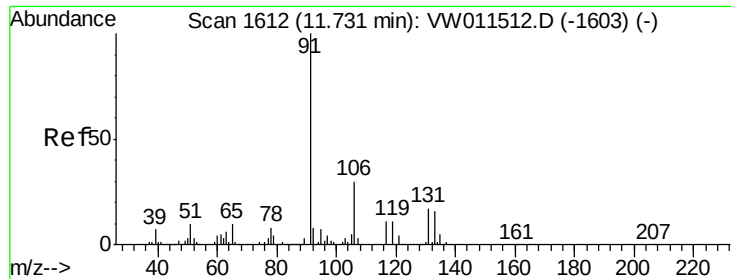
MMDadoda
8/16/2019 8:27:26 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.053 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion:131 Resp: 114847
Ion Ratio Lower Upper
131 100
133 97.5 47.4 142.2
119 65.0 32.3 96.9





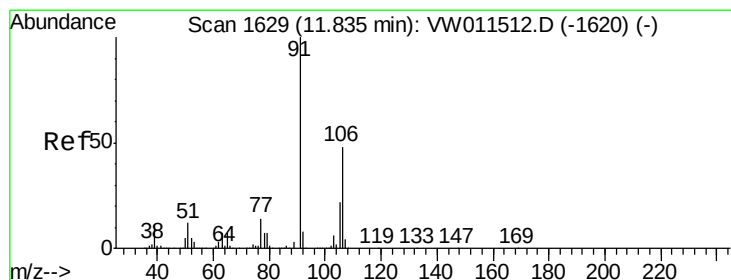
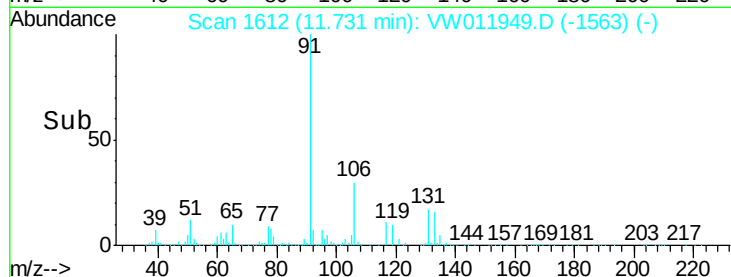
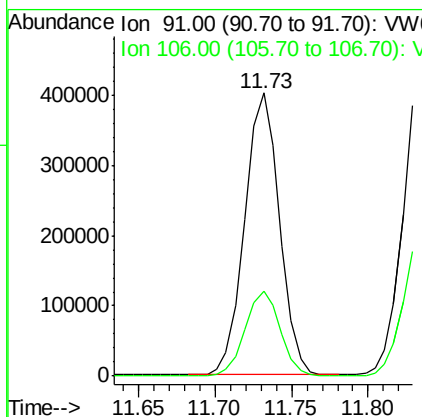
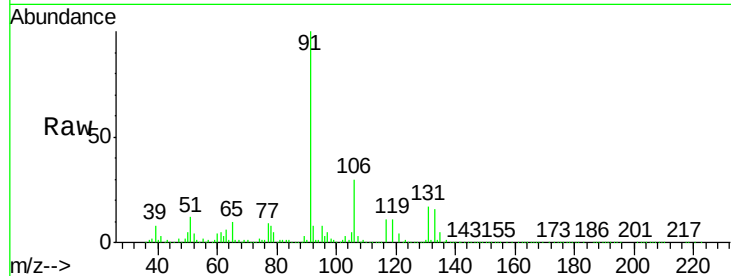
#67
Ethyl Benzene
Concen: 51.613 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 634839
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.6

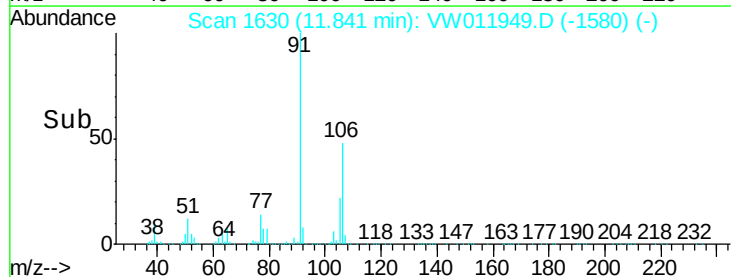
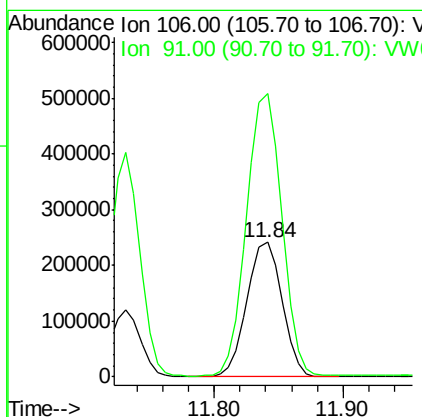
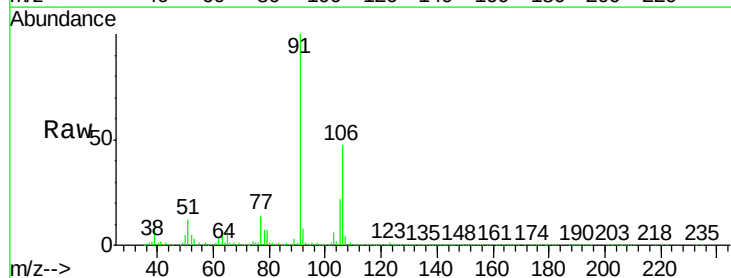
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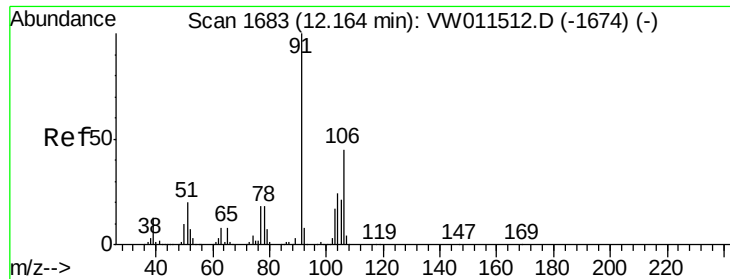
MMDadoda
8/16/2019 8:27:26 AM



#68
m/p-Xylenes
Concen: 101.517 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion: 106 Resp: 454102
Ion Ratio Lower Upper
106 100
91 211.4 168.2 252.2





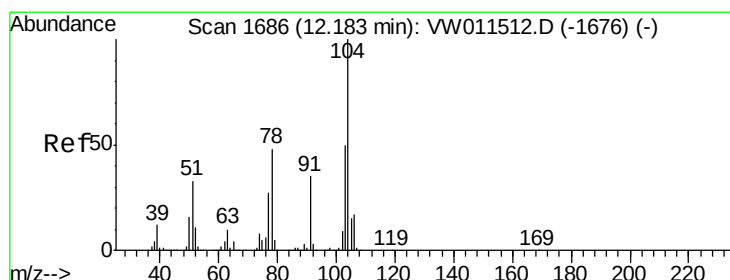
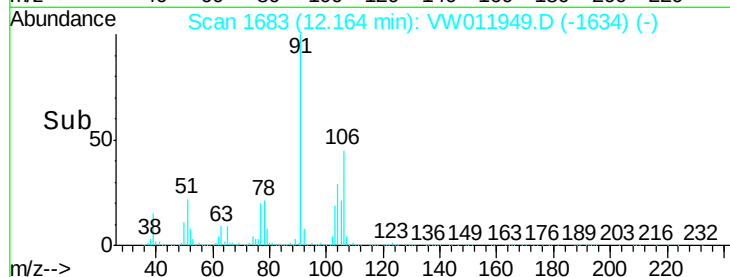
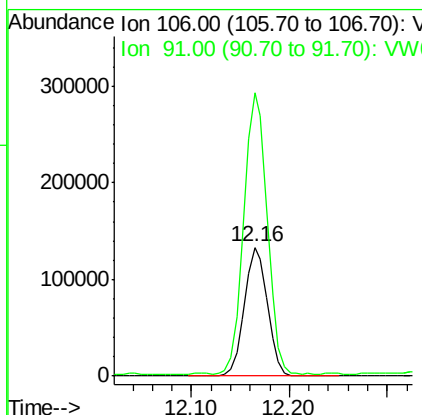
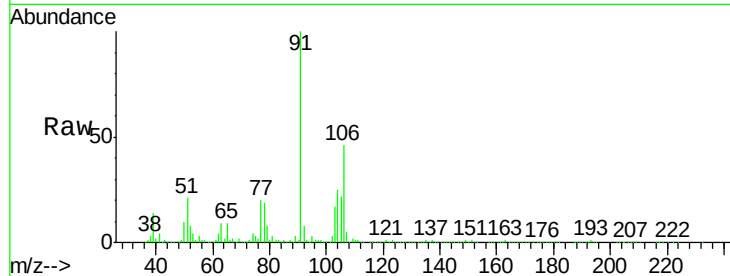
#69
o-Xylene
Concen: 52.112 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.8	110.5	331.5

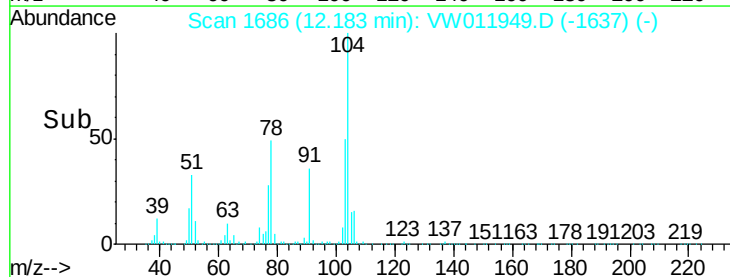
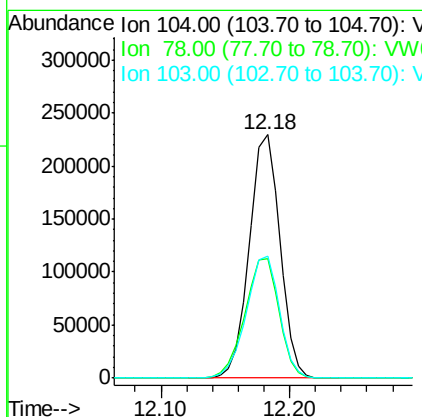
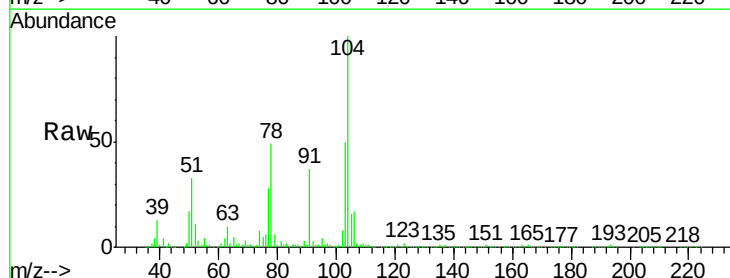
Manual Integrations
APPROVED

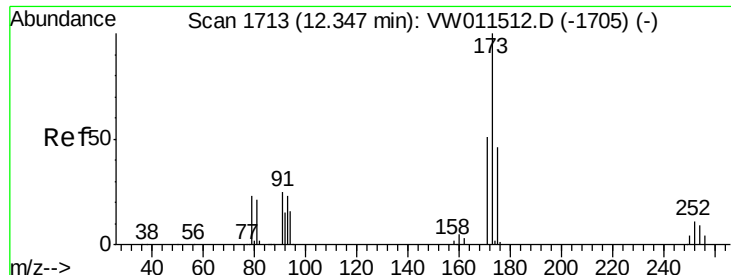
MMDadoda
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#70
Styrene
Concen: 52.324 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.1	43.4	65.0
103	54.1	43.9	65.9





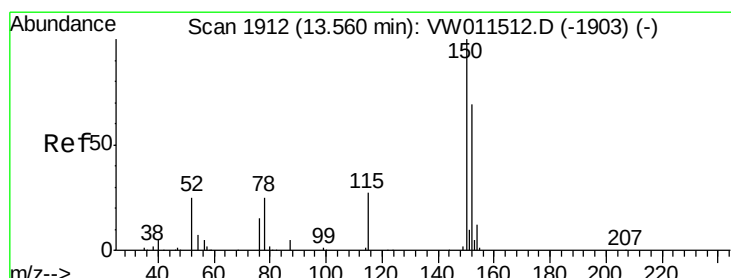
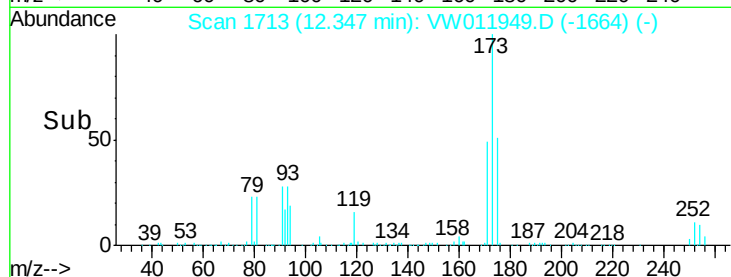
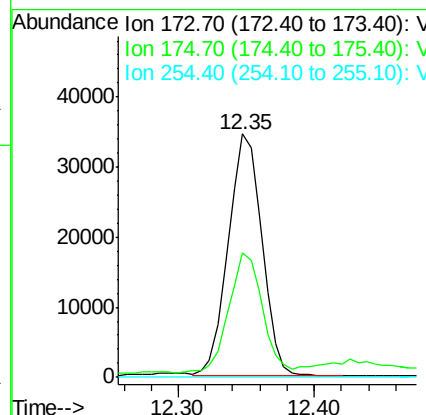
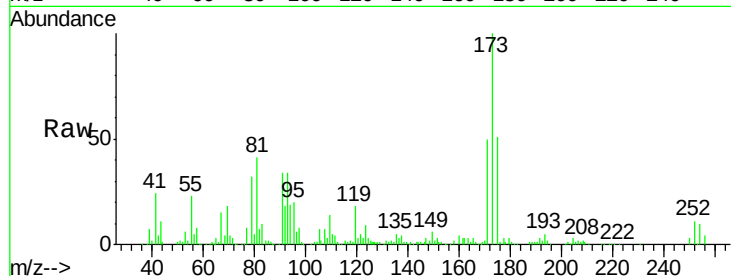
#71
Bromoform
Concen: 51.919 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.6	71.0
254	0.1	0.1	0.1#

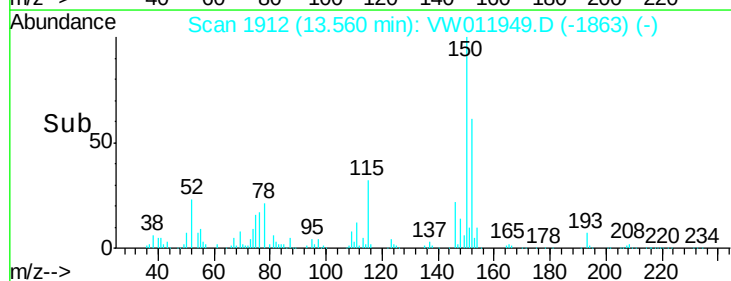
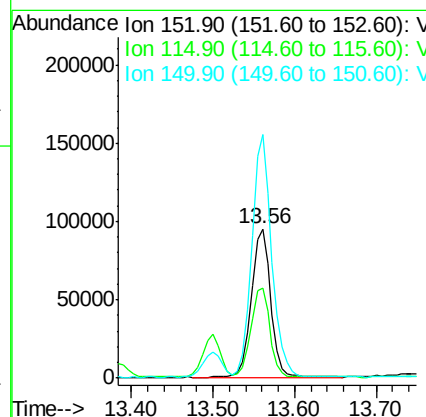
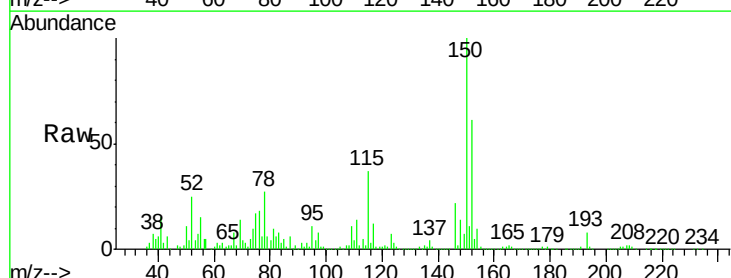
Manual Integrations
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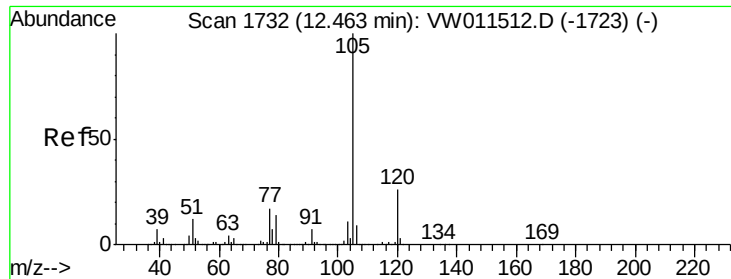
MMDadoda
8/16/2019 8:27:26 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	30.5	91.5
150	165.2	0.0	352.6





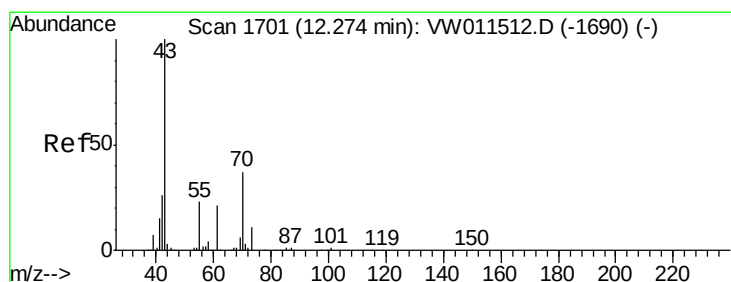
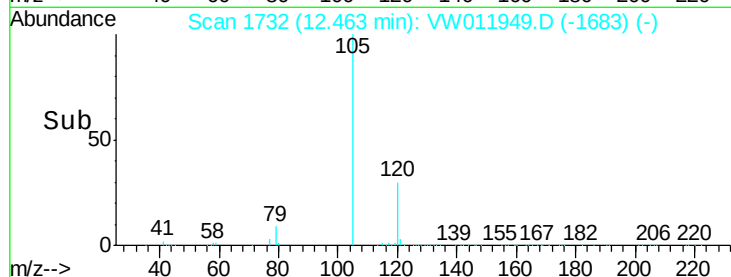
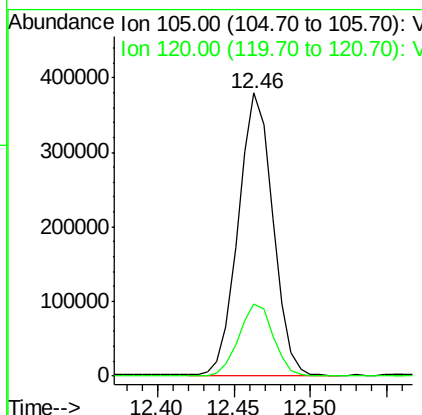
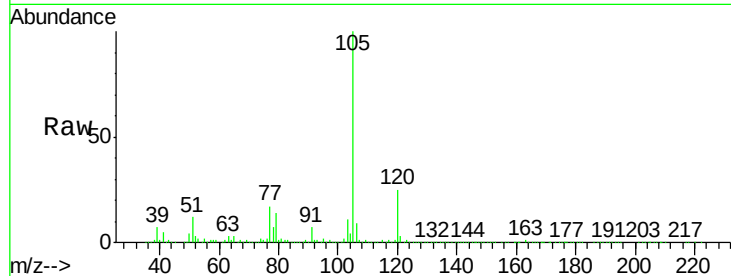
#73
Isopropylbenzene
Concen: 50.306 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7

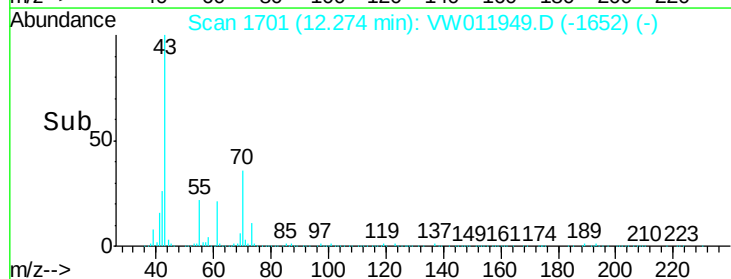
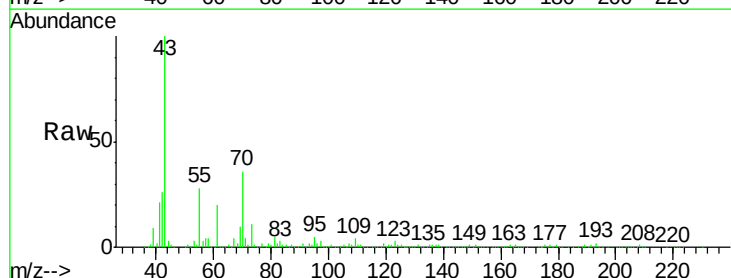
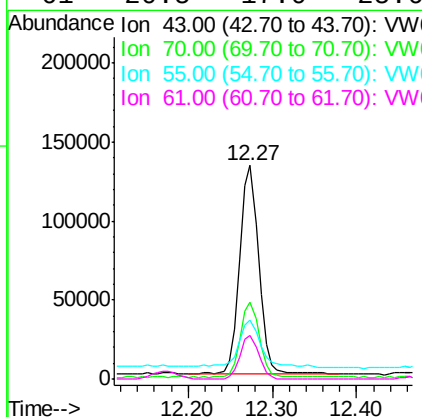
Manual Integrations
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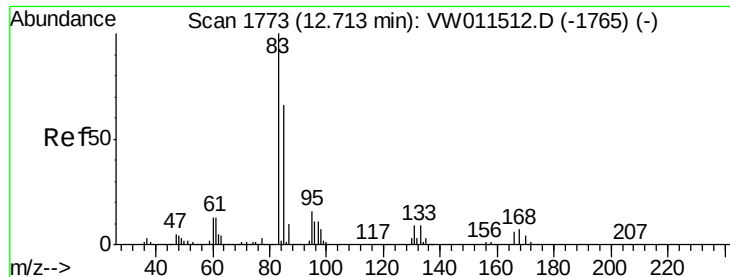
MMDadoda
8/16/2019 8:27:26 AM



#74
N-ethyl acetate
Concen: 54.976 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.2	28.6	43.0
55	24.3	17.8	26.8
61	20.5	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.820 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

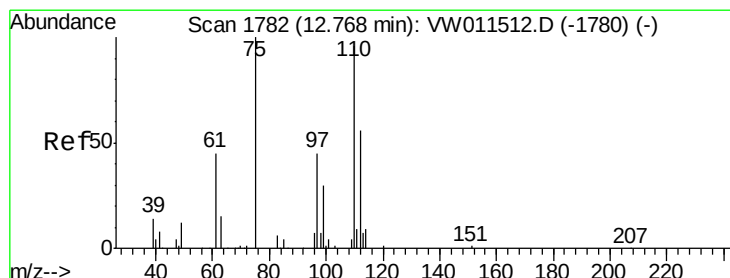
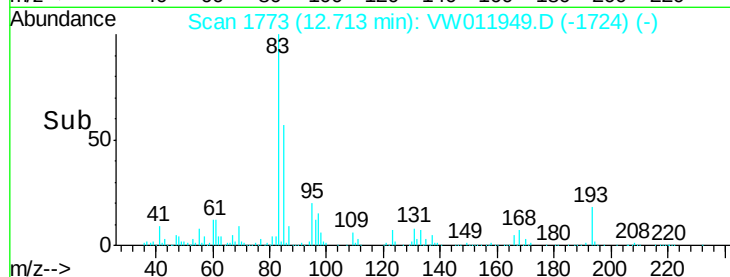
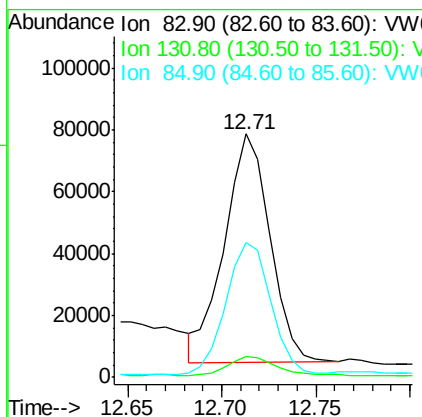
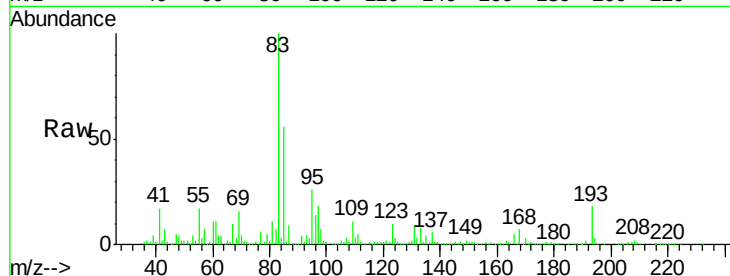
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	123414
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.9	14.6
85	57.8	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.965 ug/l m

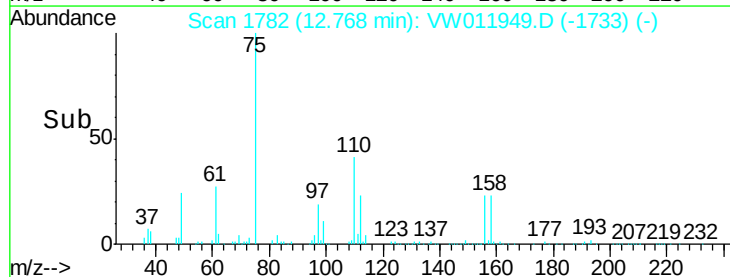
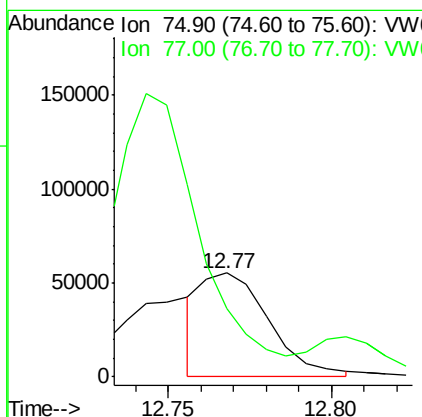
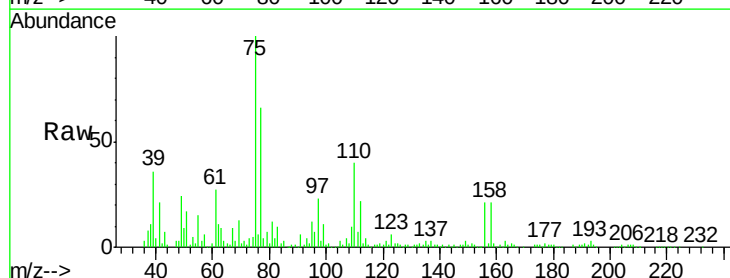
RT: 12.77 min Scan# 1782

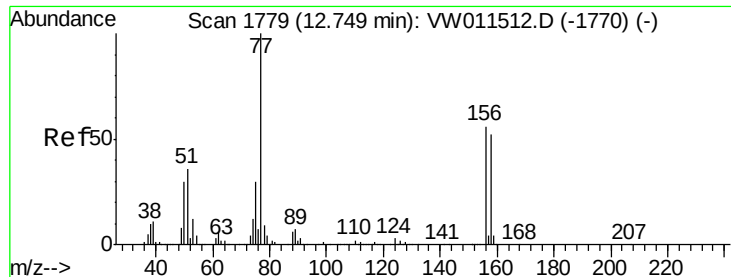
Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Tgt Ion:	75	Resp:	79964
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





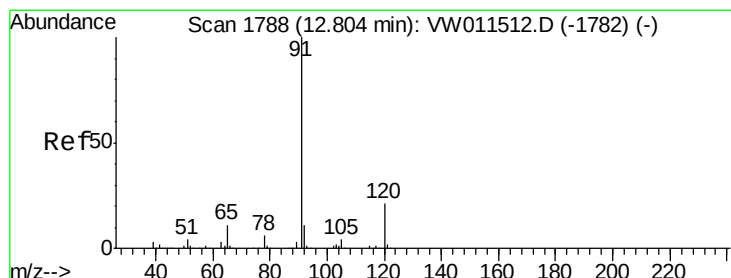
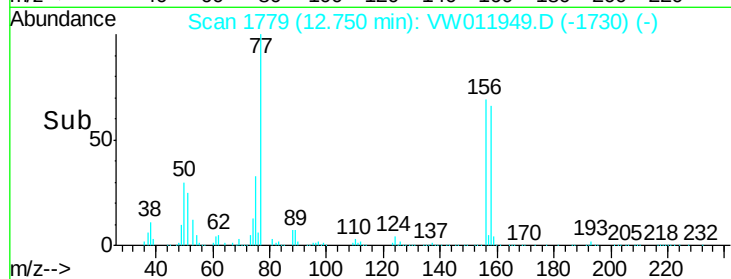
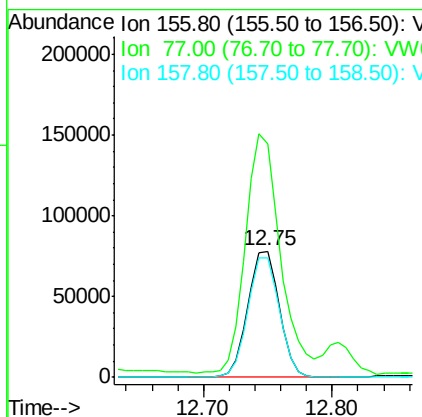
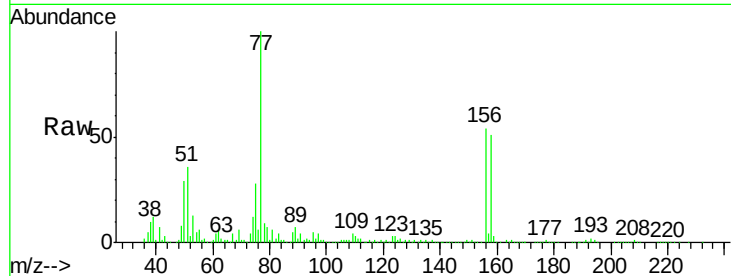
#77
Bromobenzene
Concen: 50.721 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	209.8	106.5	319.4
158	95.5	48.0	144.2

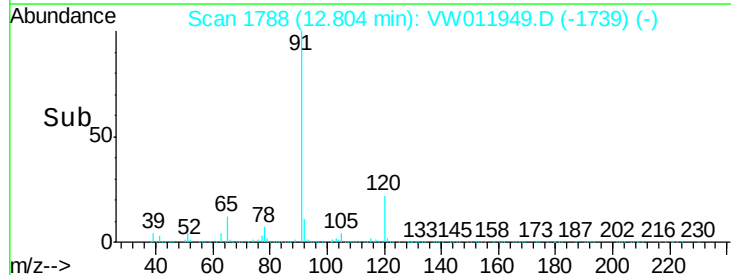
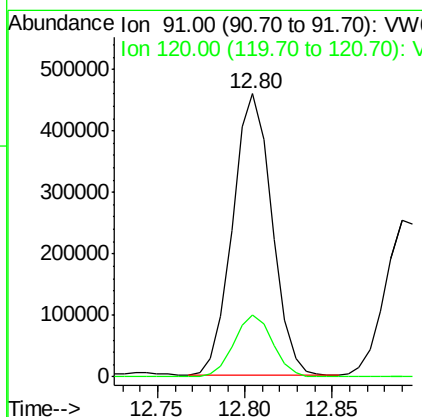
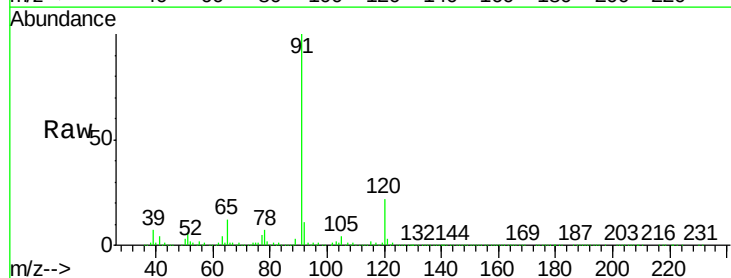
Manual Integrations
APPROVED

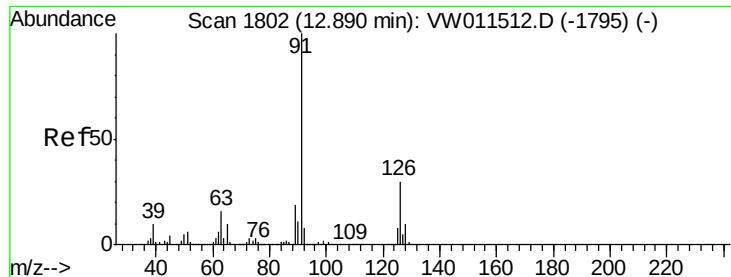
MMDadoda
8/16/2019 8:27:26 AM



#78
n-propylbenzene
Concen: 49.721 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.7





#79

2-Chlorotoluene

Concen: 50.122 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 413060

Ion Ratio Lower Upper

91 100

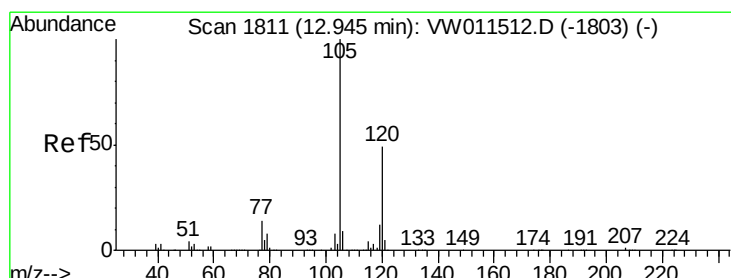
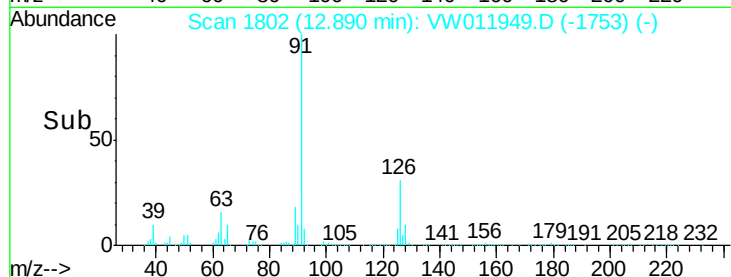
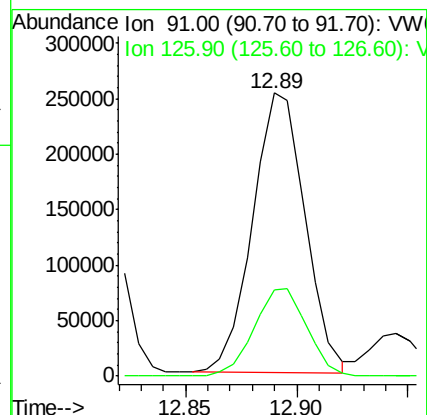
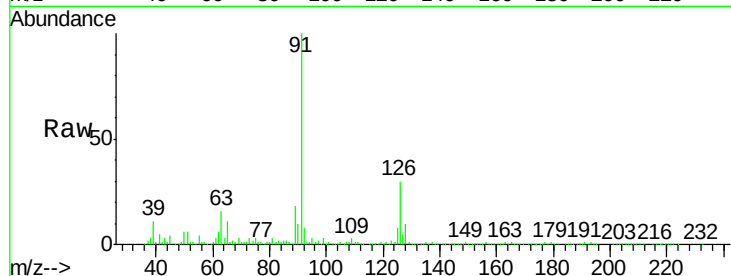
126 31.4 15.7 47.1

Manual Integrations

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8/16/2019 8:27:26 AM



#80

1,3,5-Trimethylbenzene

Concen: 50.153 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011949.D

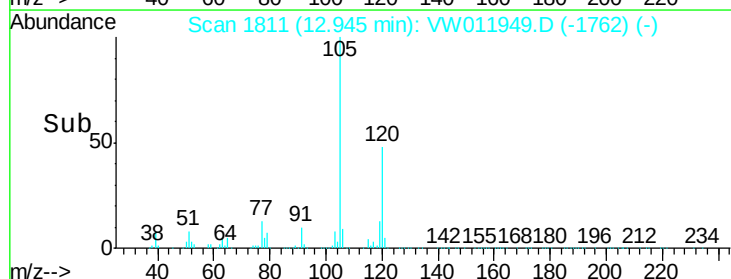
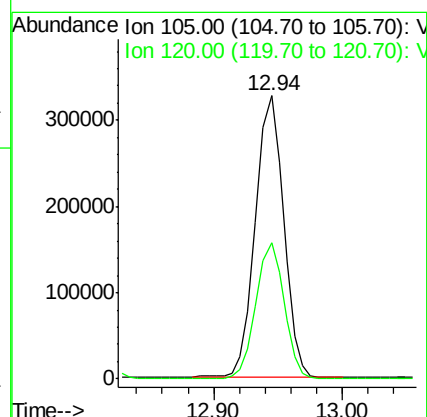
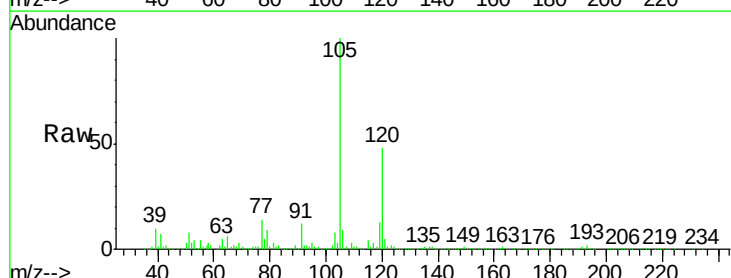
Acq: 16 Aug 2019 01:11

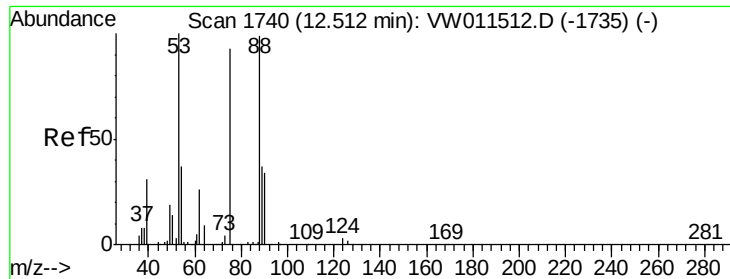
Tgt Ion: 105 Resp: 494154

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3





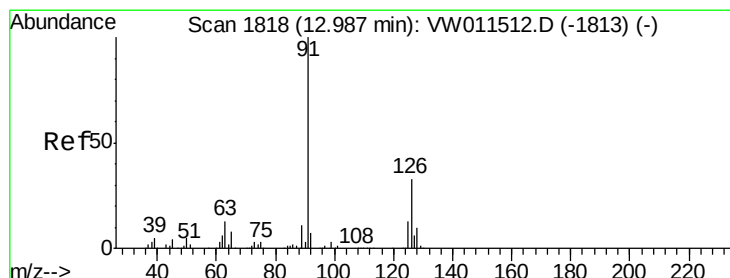
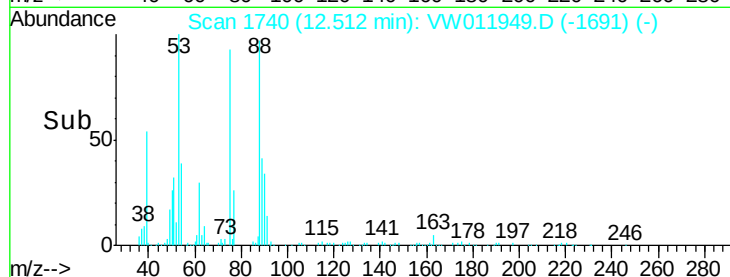
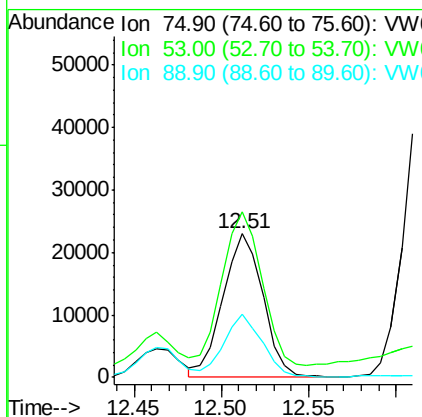
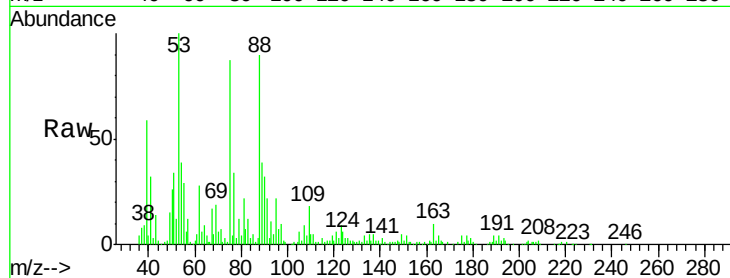
#81
trans-1,4-Dichloro-2-butene
Concen: 49.883 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.4	88.0	132.0
89	41.3	35.3	52.9

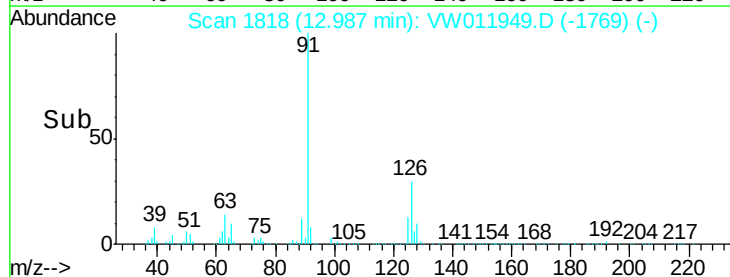
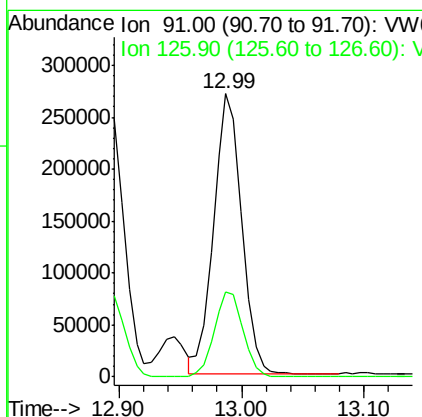
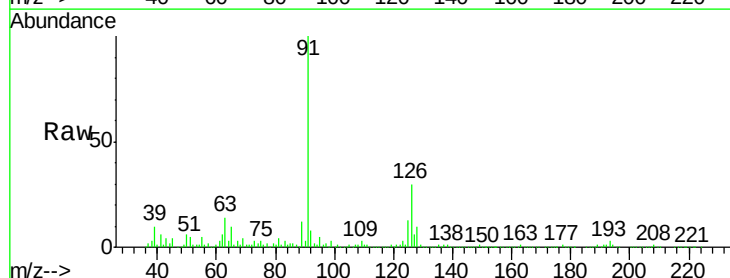
Manual Integrations
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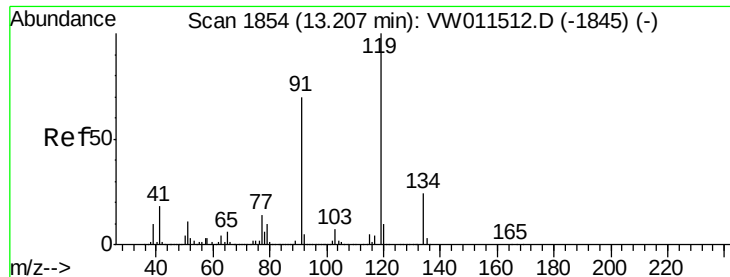
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.672 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.6	46.8





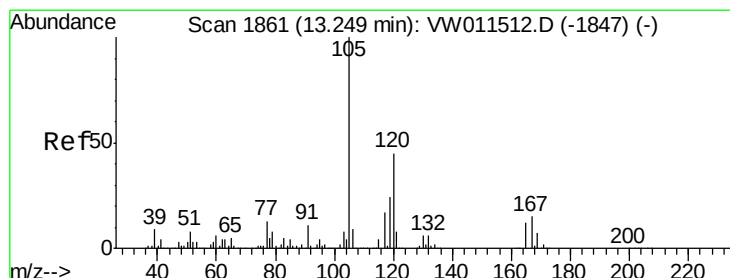
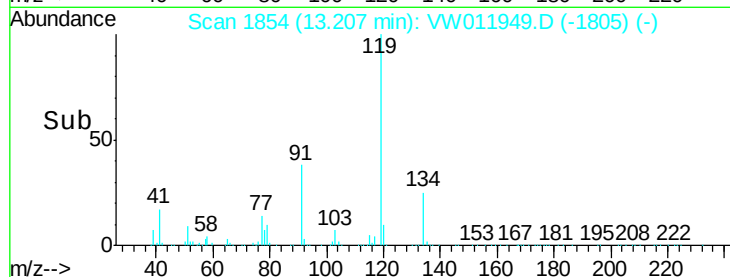
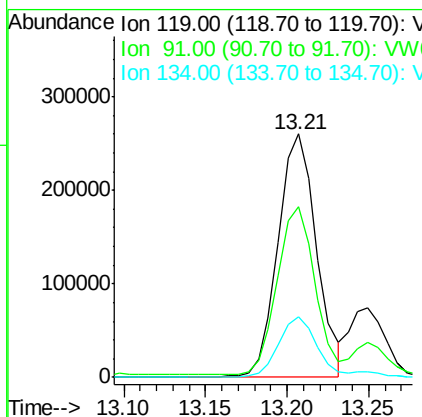
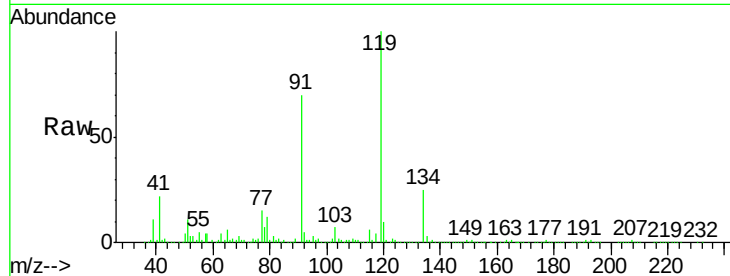
#83
tert-Butylbenzene
Concen: 51.145 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.5	103.6
134	24.6	12.4	37.4

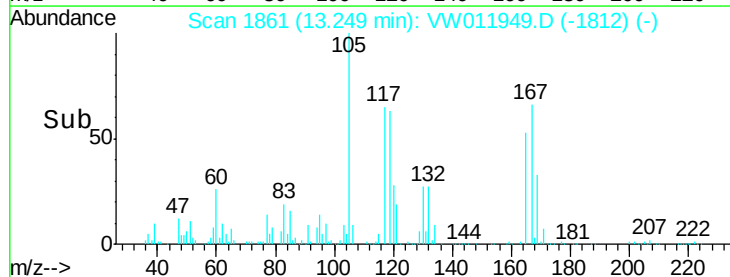
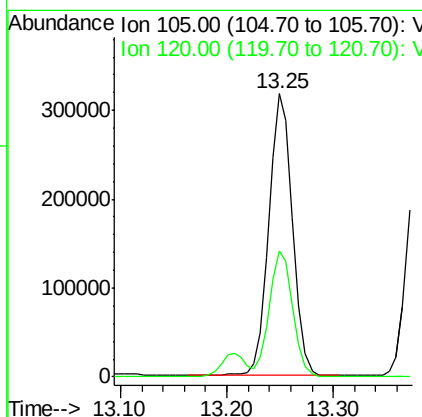
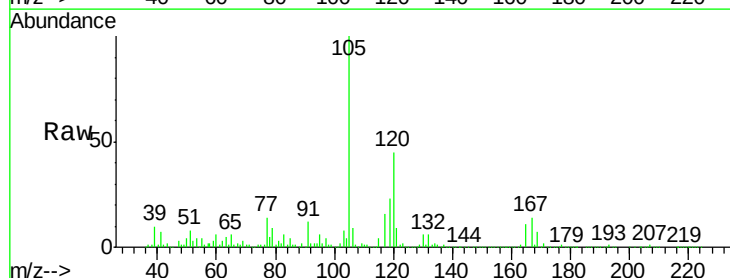
Manual Integrations
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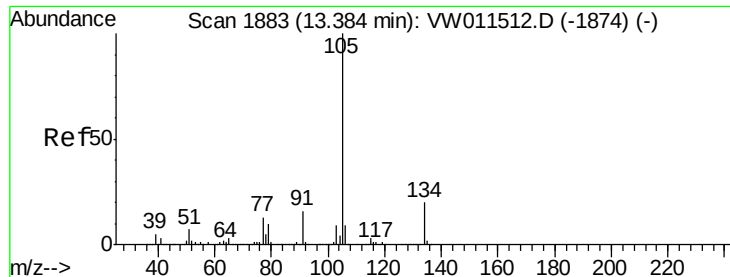
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#84
1,2,4-Trimethylbenzene
Concen: 49.612 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.5





#85

sec-Butylbenzene

Concen: 50.240 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 590648

Ion Ratio Lower Upper

105 100

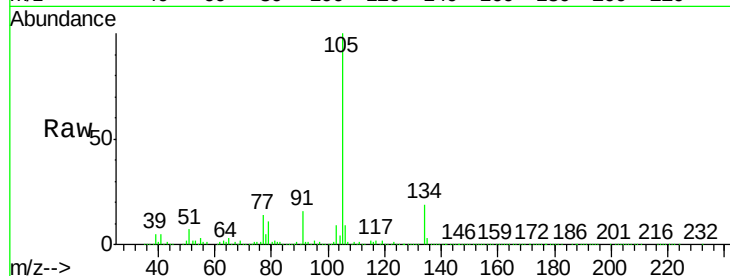
134 19.5 9.7 29.1

Manual Integrations

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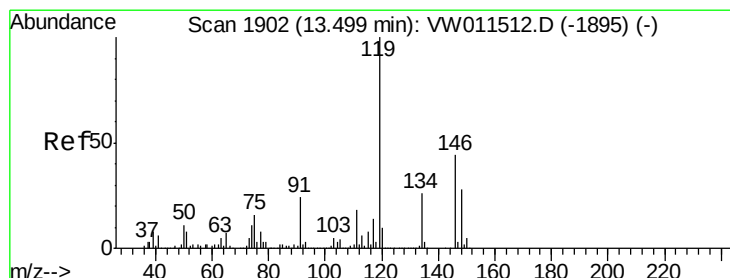
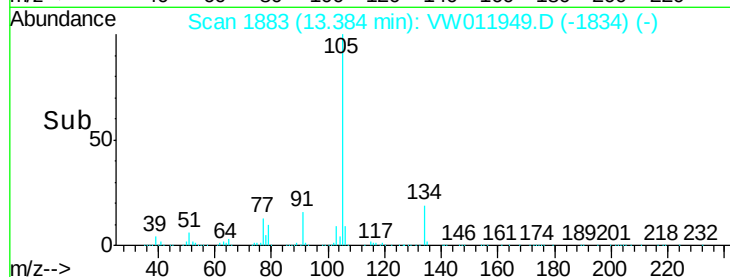
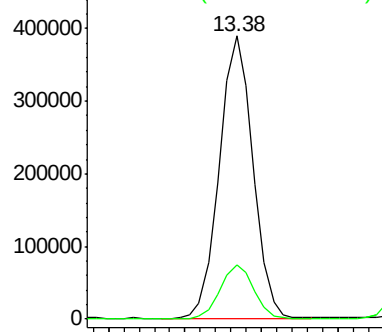
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.877 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

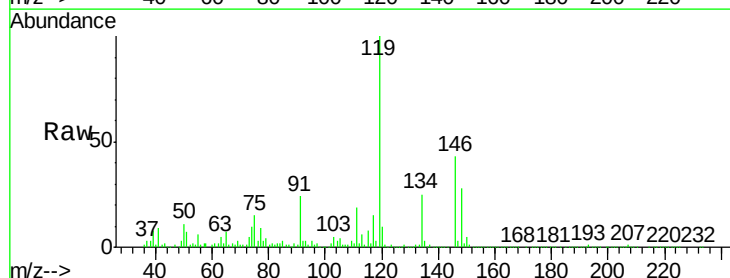
Tgt Ion:119 Resp: 532033

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

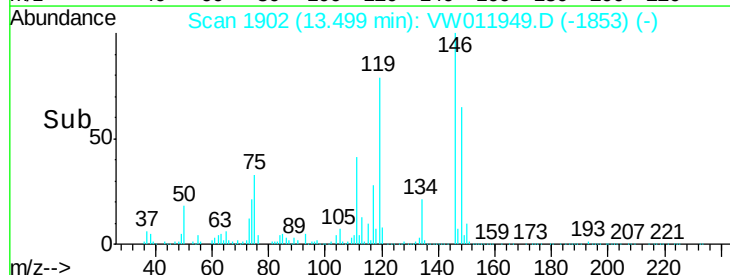
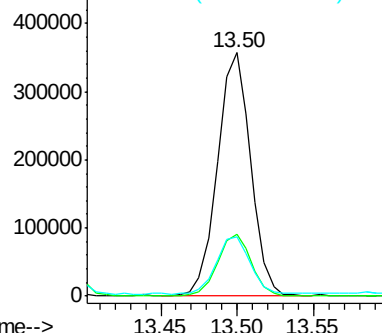
91 24.1 12.1 36.3

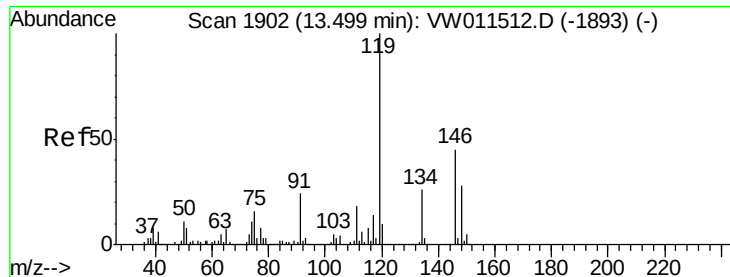


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.858 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

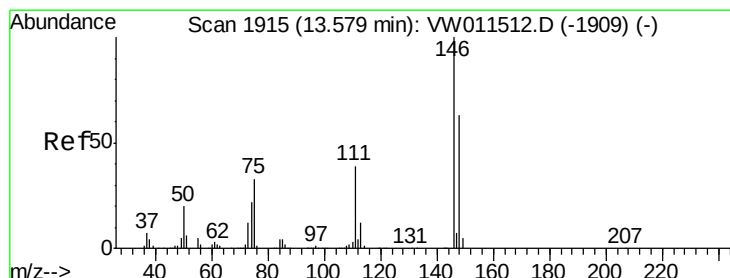
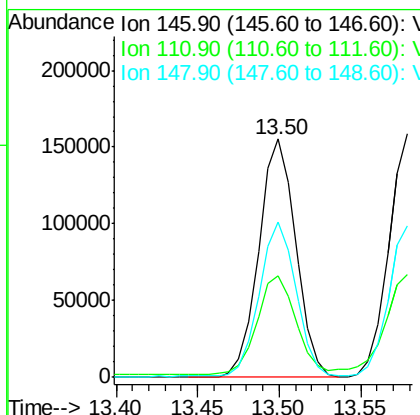
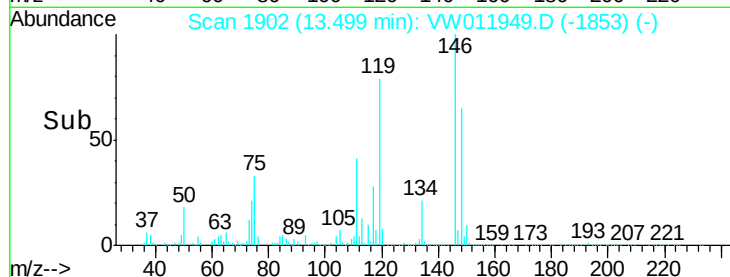
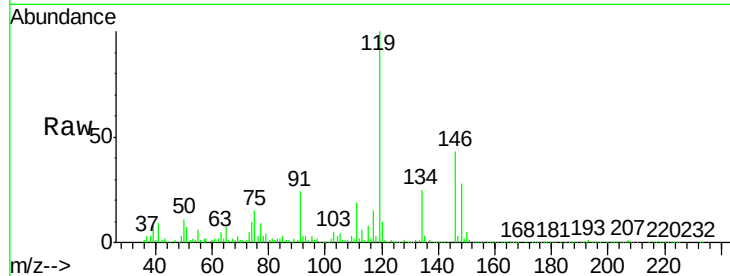
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	243795
Ion Ratio	Lower	Upper	
146	100		
111	45.0	20.5	61.6
148	65.5	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 48.711 ug/l

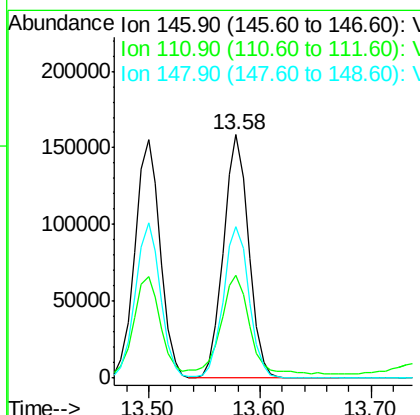
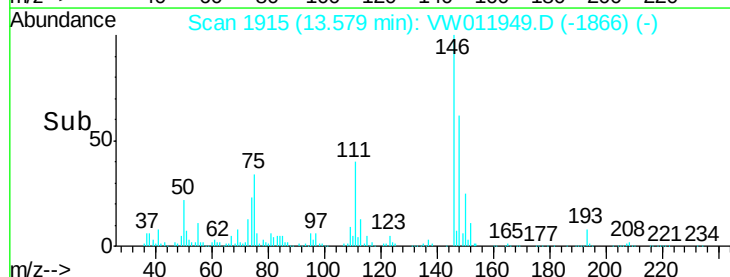
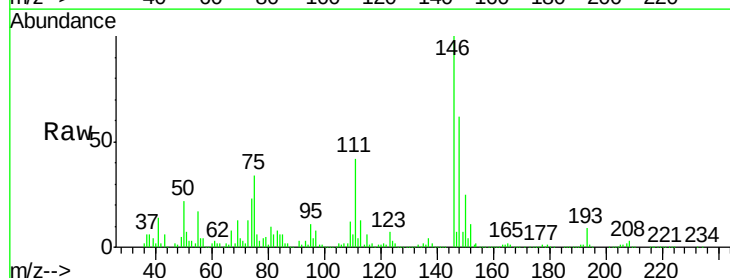
RT: 13.58 min Scan# 1915

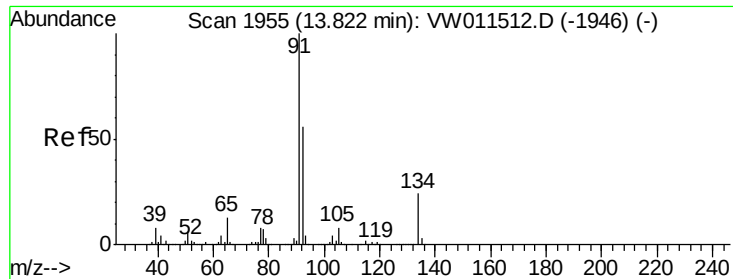
Delta R.T. 0.00 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Tgt Ion:	146	Resp:	246842
Ion Ratio	Lower	Upper	
146	100		
111	47.7	20.1	60.2
148	63.6	31.9	95.9





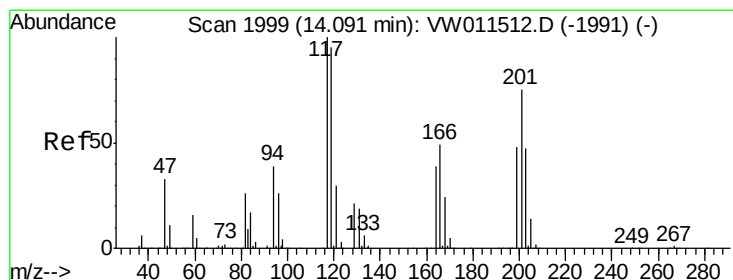
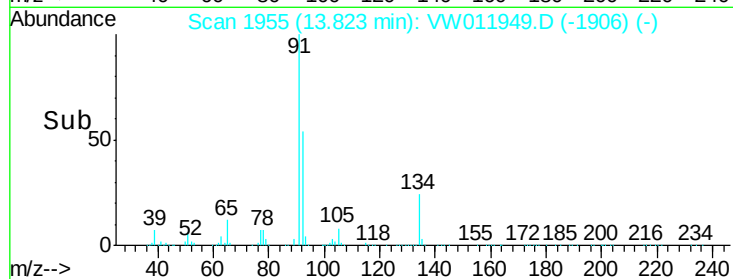
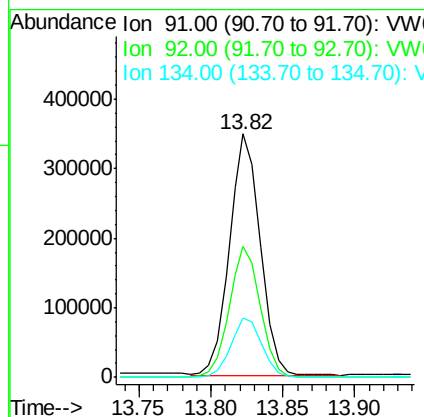
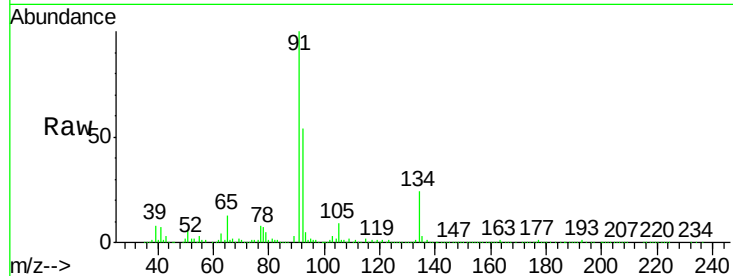
#89
n-Butylbenzene
Concen: 48.379 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.5	82.4
134	24.6	12.2	36.6

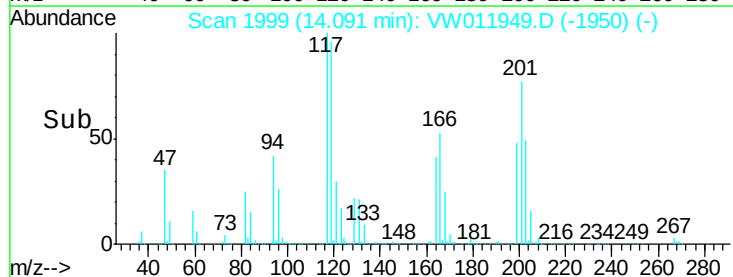
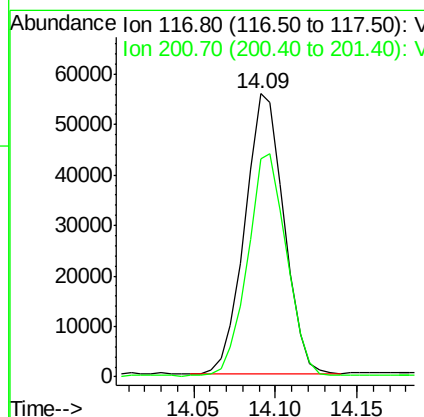
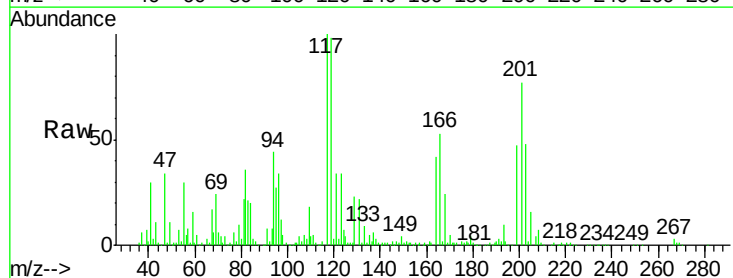
Manual Integrations
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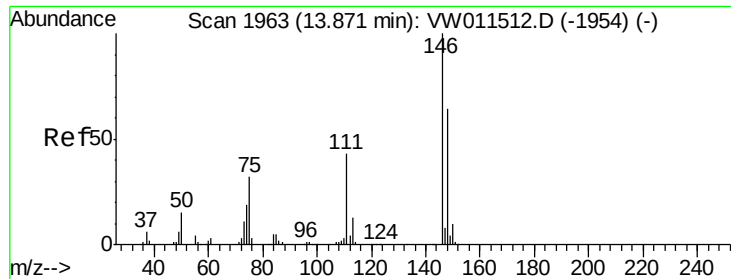
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#90
Hexachloroethane
Concen: 48.959 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW011949.D
Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	39.4	118.2





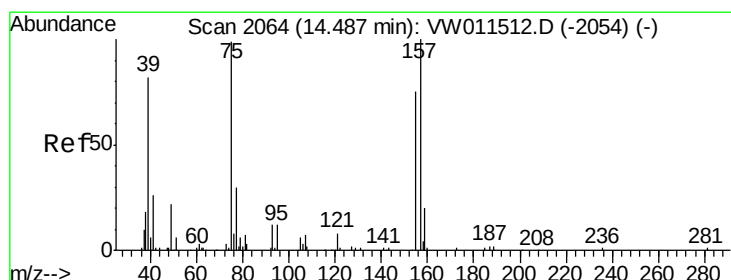
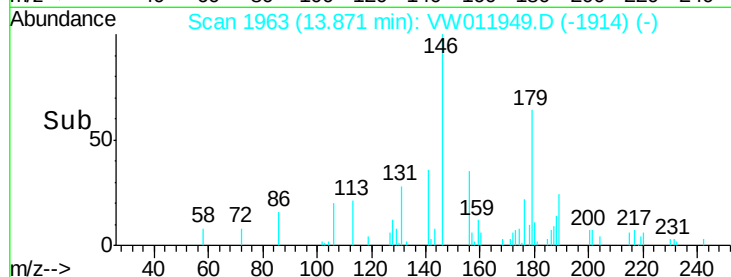
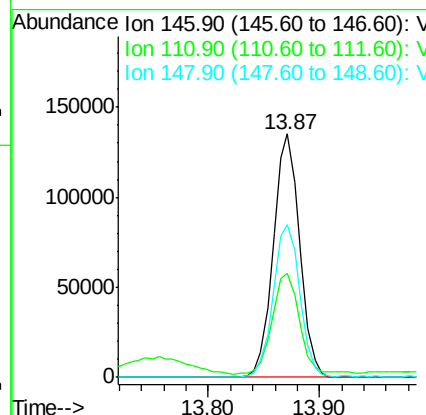
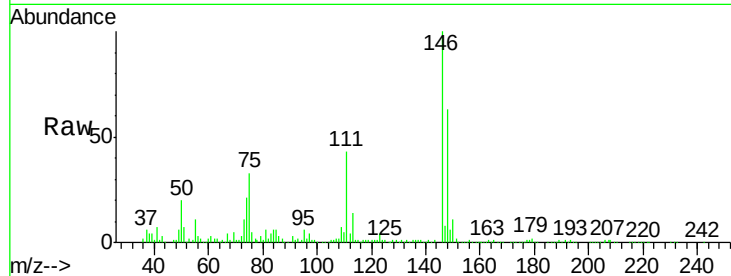
#91
 1,2-Dichlorobenzene
 Concen: 49.023 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.6	65.0
148	63.5	32.0	96.2

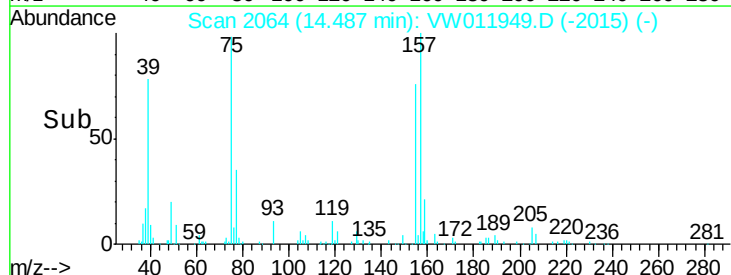
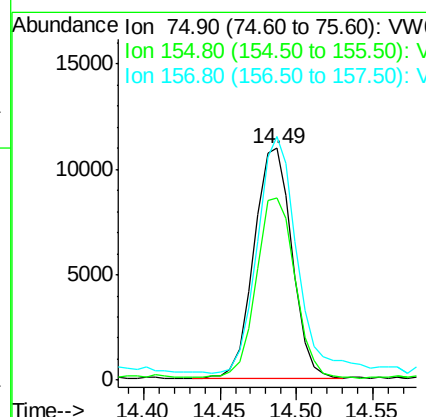
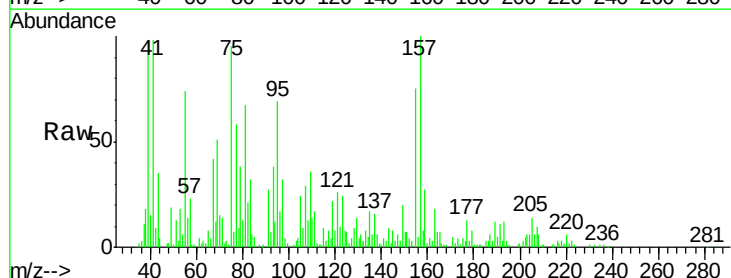
Manual Integrations
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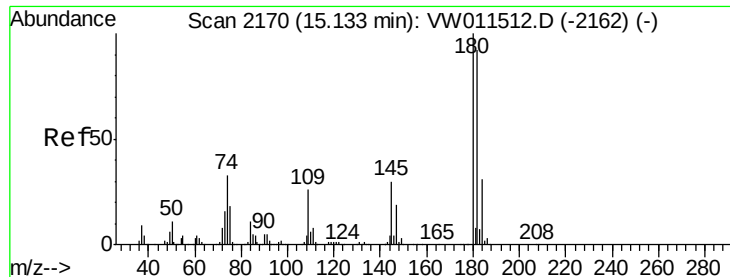
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.257 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.1	38.2	114.6
157	109.9	48.9	146.7





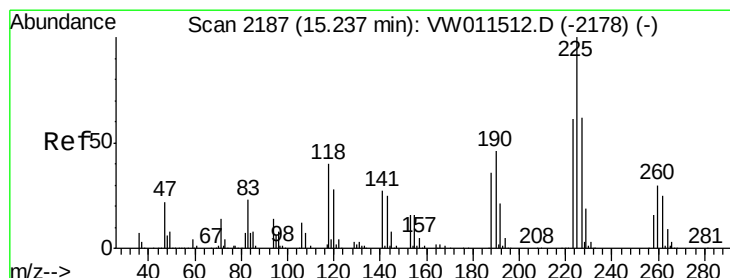
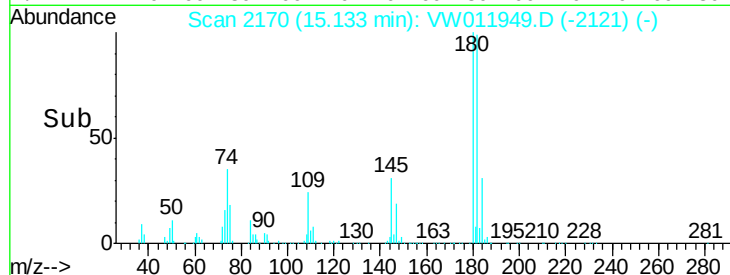
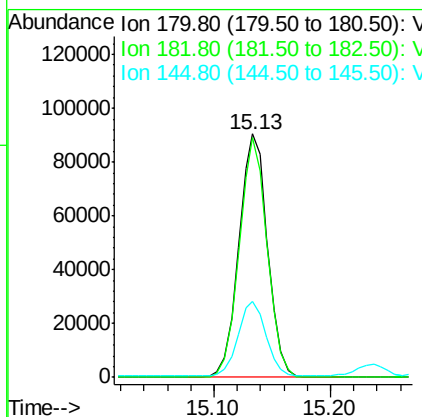
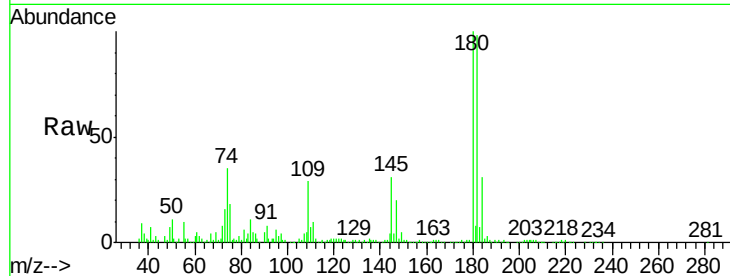
#93
 1,2,4-Trichlorobenzene
 Concen: 48.410 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	153720		
182	96.2	47.4	142.2	
145	30.2	15.4	46.1	

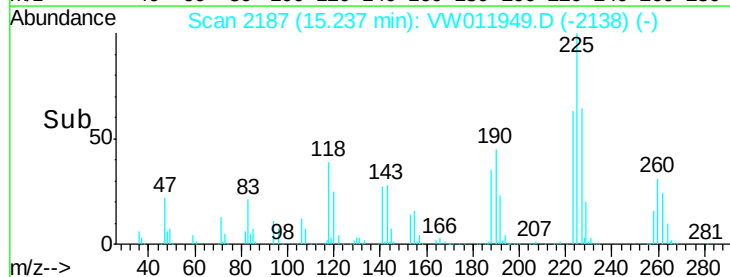
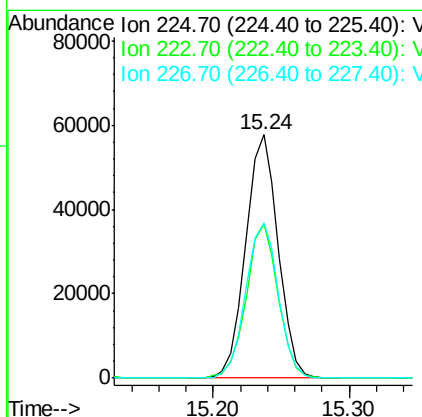
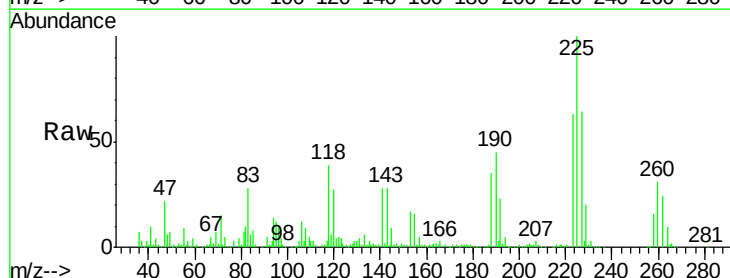
Manual Integrations
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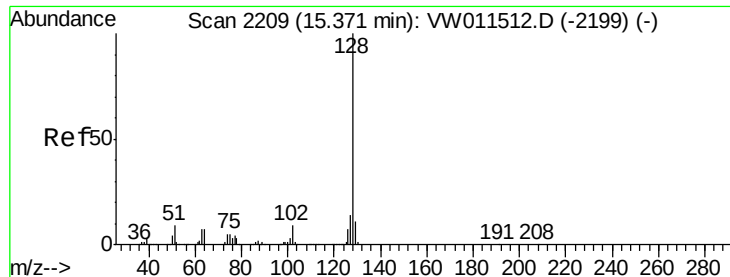
MMDadoda
 8/16/2019 8:27:26 AM



#94
 Hexachlorobutadiene
 Concen: 48.624 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011949.D
 Acq: 16 Aug 2019 01:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96287		
223	61.8	30.8	92.3	
227	64.5	31.6	94.7	





#95

Naphthalene

Concen: 50.458 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Instrument :

MSVOA_W

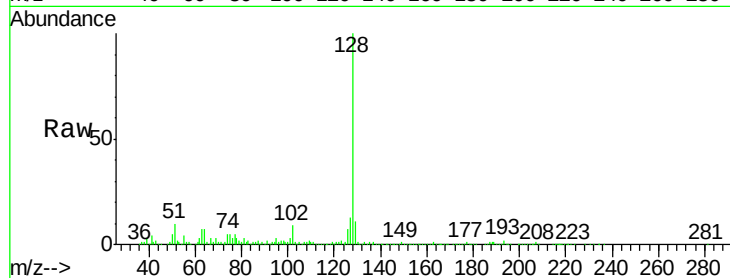
ClientSampleId :

VSTDCCC050EC

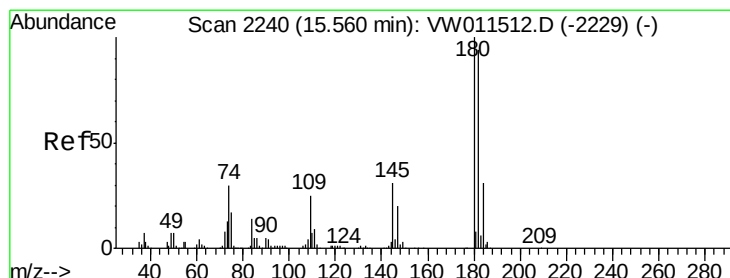
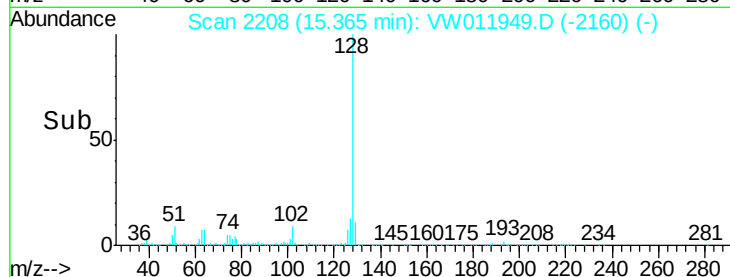
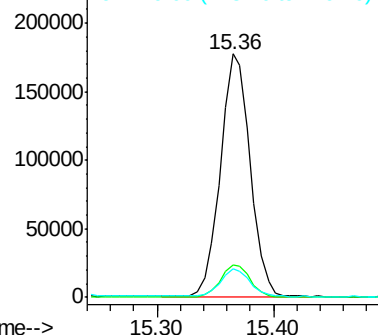
Tot Ion:	128	Resp:	313973
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.6	16.0
129	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:27:26 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.905 ug/l

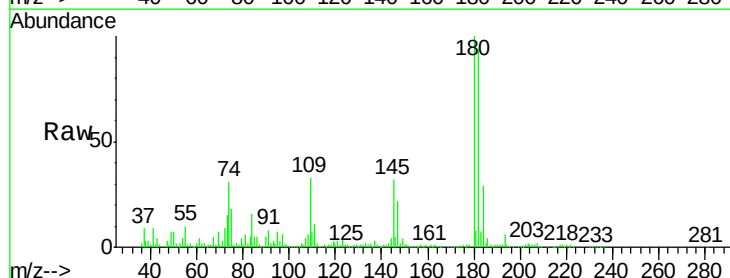
RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011949.D

Acq: 16 Aug 2019 01:11

Tgt Ion:	180	Resp:	138904
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.4	142.2
145	33.9	15.9	47.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

