

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009236.D
 Acq On : 22 Jan 2019 15:29
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012219

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:44:16 AM

Quant Time: Jan 23 01:46:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:31:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	94661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	161281	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	144891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	72622	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	54430	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	4.64	113	50754	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	7.35	98	199522	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	10.12	95	75483	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	38664	50.496	ug/l	98
3) Chloromethane	1.25	50	48417	46.976	ug/l	97
4) Vinyl Chloride	1.32	62	55467	47.366	ug/l	99
5) Bromomethane	1.53	94	31575	47.544	ug/l	99
6) Chloroethane	1.59	64	30606	46.761	ug/l	98
7) Trichlorofluoromethane	1.76	101	37017	45.041	ug/l	97
8) Diethyl Ether	1.96	74	25326	48.998	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.14	101	49983	48.946	ug/l	99
10) Methyl Iodide	2.25	142	78966	48.449	ug/l	99
11) Tert butyl alcohol	2.65	59	17406	250.267	ug/l	96
12) 1,1-Dichloroethene	2.13	96	48635	48.508	ug/l	98
13) Acrolein	2.05	56	14703	245.360	ug/l	99
14) Allyl chloride	2.42	41	83168	48.130	ug/l	99
15) Acrylonitrile	2.76	53	53329	238.188	ug/l	100
16) Acetone	2.17	43	72828	232.521	ug/l	99
17) Carbon Disulfide	2.31	76	146883	47.891	ug/l	100
18) Methyl Acetate	2.44	43	36411	43.524	ug/l	97
19) Methyl tert-butyl Ether	2.79	73	72087	46.319	ug/l	98
20) Methylene Chloride	2.52	84	51555	49.761	ug/l	99
21) trans-1,2-Dichloroethene	2.78	96	51518	47.693	ug/l	96
22) Diisopropyl ether	3.32	45	178518	48.517	ug/l	93
23) Vinyl Acetate	3.30	43	493928	247.399	ug/l	99
24) 1,1-Dichloroethane	3.22	63	109163	47.685	ug/l	99
25) 2-Butanone	4.01	43	86801	242.351	ug/l	98
26) 2,2-Dichloropropane	3.94	77	65453	50.803	ug/l	98
27) cis-1,2-Dichloroethene	3.95	96	64122	49.117	ug/l	99
28) Bromochloromethane	4.29	49	41294	48.881	ug/l	98
29) Tetrahydrofuran	4.38	42	49775	255.517	ug/l	98
30) Chloroform	4.42	83	111493	48.493	ug/l	97
31) Cyclohexane	4.72	56	98693	47.225	ug/l	100
32) 1,1,1-Trichloroethane	4.65	97	95479	49.270	ug/l	99
36) 1,1-Dichloropropene	4.87	75	86228	48.155	ug/l	97
37) Ethyl Acetate	4.12	43	33710	48.985	ug/l	98
38) Carbon Tetrachloride	4.87	117	87446	48.780	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	106209	50.087	ug/l	99
40) Benzene	5.14	78	240703	48.061	ug/l	99
41) Methacrylonitrile	4.30	41	20113	48.494	ug/l	98
42) 1,2-Dichloroethane	5.17	62	73745	47.048	ug/l	99
43) Isopropyl Acetate	5.32	43	66717	49.288	ug/l	98
44) Trichloroethene	5.95	130	64069	48.614	ug/l	95
45) 1,2-Dichloropropane	6.22	63	58455	48.523	ug/l	99
46) Dibromomethane	6.35	93	30110	48.710	ug/l	96
47) Bromodichloromethane	6.55	83	79004	48.366	ug/l	98
48) Methyl methacrylate	6.41	41	33772	48.893	ug/l	98
49) 1,4-Dioxane	6.41	88	7708	978.901	ug/l	95
51) 4-Methyl-2-Pentanone	7.27	43	171166	249.160	ug/l	99
52) Toluene	7.43	92	153382	48.415	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	79906	50.261	ug/l	99
54) cis-1,3-Dichloropropene	7.07	75	91828	50.161	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	42193	48.445	ug/l	97
56) Ethyl methacrylate	7.83	69	50413	49.682	ug/l	98
57) 1,3-Dichloropropane	8.05	76	75611	47.949	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.93	63	2548	160.685	ug/l	94
59) 2-Hexanone	8.18	43	125436	252.450	ug/l	100
60) Dibromochloromethane	8.29	129	50637	49.656	ug/l	99
61) 1,2-Dibromoethane	8.40	107	41837	49.121	ug/l	99
64) Tetrachloroethene	8.02	164	51760	50.200	ug/l	99
65) Chlorobenzene	8.92	112	166668	49.444	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.02	131	57493	49.906	ug/l	98
67) Ethyl Benzene	9.05	91	299155	49.816	ug/l	100
68) m/p-Xylenes	9.18	106	229399	100.623	ug/l	99
69) o-Xylene	9.59	106	107459	50.841	ug/l	99
70) Styrene	9.60	104	173638	51.475	ug/l	99
71) Bromoform	9.77	173	27649	50.895	ug/l #	98
73) Isopropylbenzene	9.97	105	304983	50.857	ug/l	100
74) N-amyl acetate	9.84	43	58393	52.656	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	50268	49.721	ug/l	98
76) 1,2,3-Trichloropropane	10.32	75	38089m	47.905	ug/l	
77) Bromobenzene	10.26	156	63905	49.821	ug/l	99
78) n-propylbenzene	10.40	91	356225	50.107	ug/l	100
79) 2-Chlorotoluene	10.47	91	212830	49.616	ug/l	99
80) 1,3,5-Trimethylbenzene	10.58	105	254439	50.591	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.05	75	14724	52.406	ug/l	98
82) 4-Chlorotoluene	10.58	91	250433	49.567	ug/l	99
83) tert-Butylbenzene	10.91	119	241171	50.360	ug/l	100
84) 1,2,4-Trimethylbenzene	10.96	105	257150	50.685	ug/l	100
85) sec-Butylbenzene	11.13	105	316533	50.464	ug/l	99
86) p-Isopropyltoluene	11.29	119	279205	50.838	ug/l	100
87) 1,3-Dichlorobenzene	11.22	146	133028	49.948	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	131300	48.766	ug/l	98
89) n-Butylbenzene	11.70	91	269955	50.640	ug/l	100
90) Hexachloroethane	11.95	117	48936	50.107	ug/l	98
91) 1,2-Dichlorobenzene	11.69	146	117381	49.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	8618	50.775	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	78292	51.731	ug/l	99
94) Hexachlorobutadiene	13.49	225	44934	47.904	ug/l	98
95) Naphthalene	13.55	128	140995	53.879	ug/l	99
96) 1,2,3-Trichlorobenzene	13.79	180	66423	51.829	ug/l	100

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

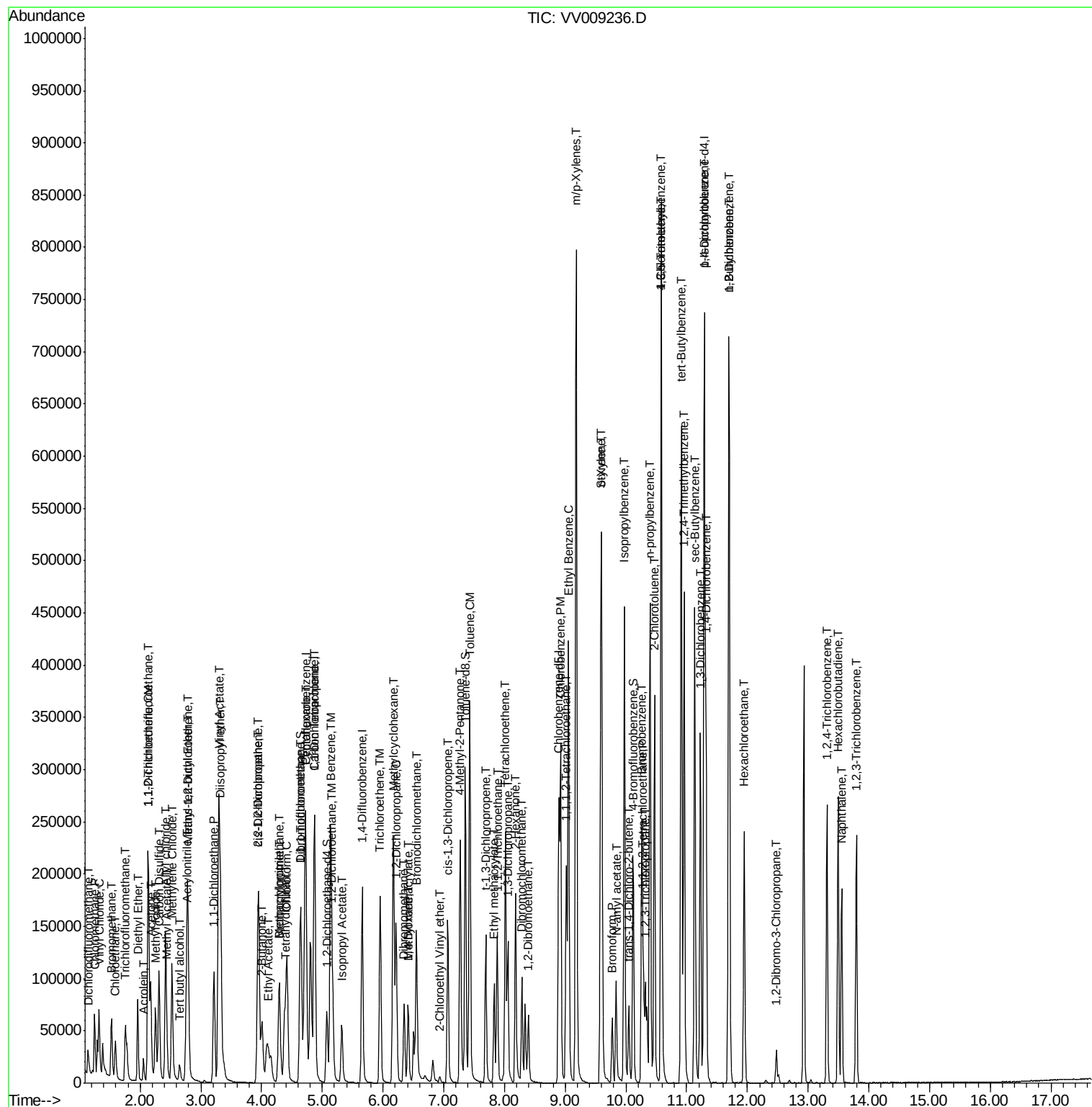
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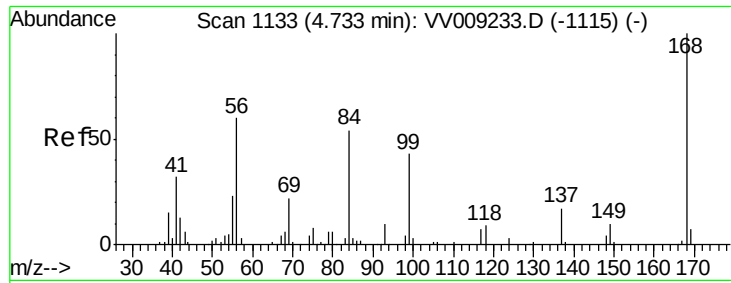
Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampleId :

ICVV012219

Tot Ion:168 Resp: 94661

Ion Ratio Lower Upper

168 100

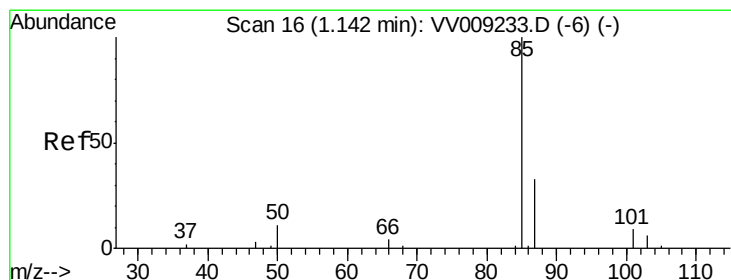
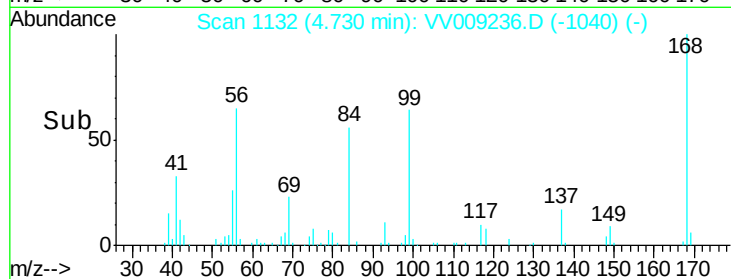
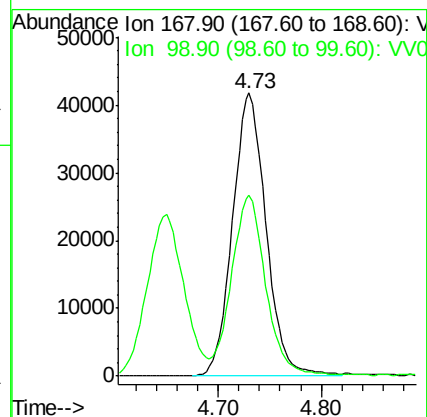
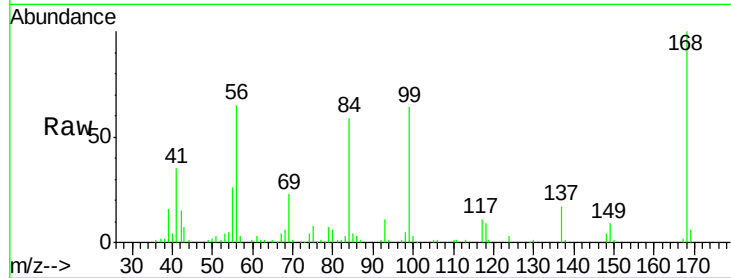
99 63.0 50.9 76.3

Manual Integrations

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1/24/2019 11:44:16 AM



#2

Dichlorodifluoromethane

Concen: 50.496 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009236.D

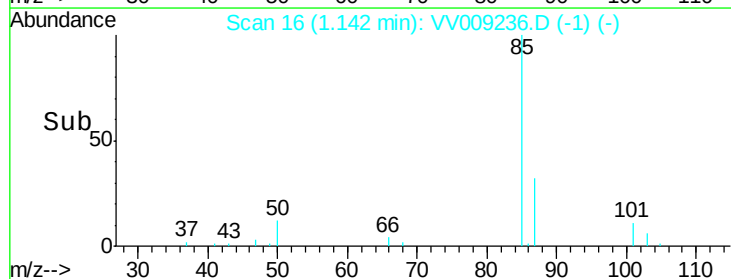
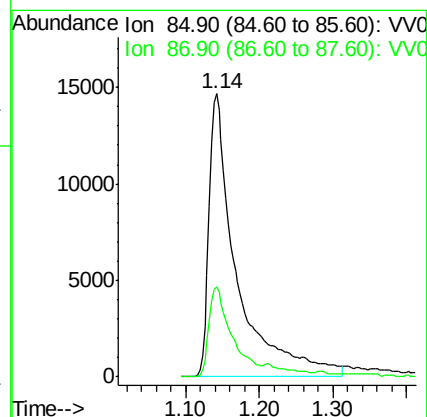
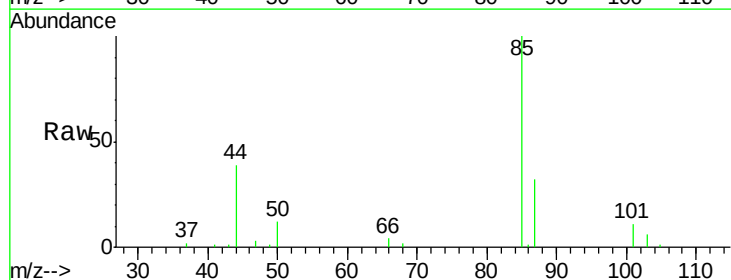
Acq: 22 Jan 2019 15:29

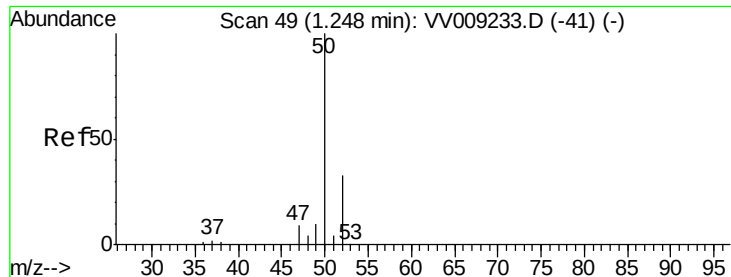
Tgt Ion: 85 Resp: 38664

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.7





#3

Chloromethane

Concen: 46.976 ug/l

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampleId :

ICVVV012219

Tot Ion: 50 Resp: 48417

Ion Ratio Lower Upper

50 100

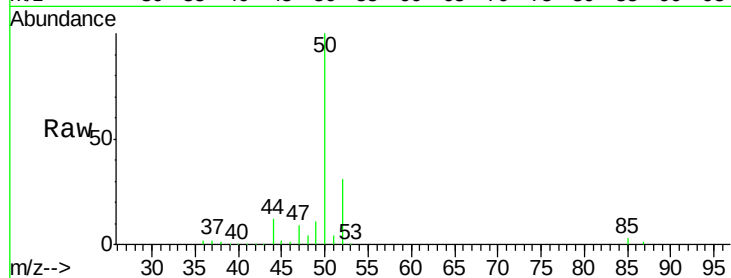
52 31.0 26.3 39.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VV0

Ion 51.90 (51.60 to 52.60): VV0

1.25

40000

30000

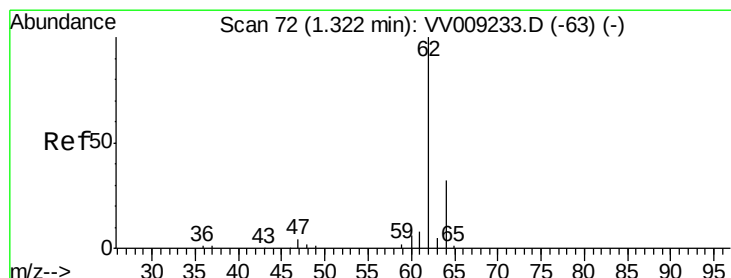
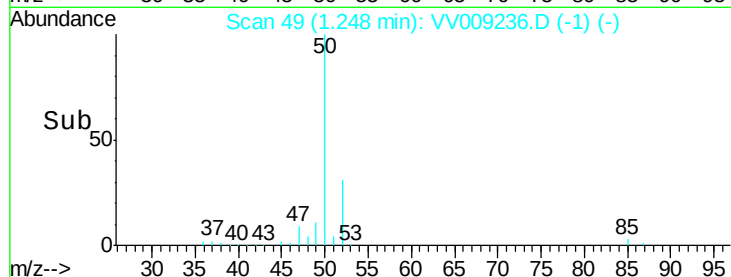
20000

10000

0

Time-->

1.20 1.25 1.30



#4

Vinyl Chloride

Concen: 47.366 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009236.D

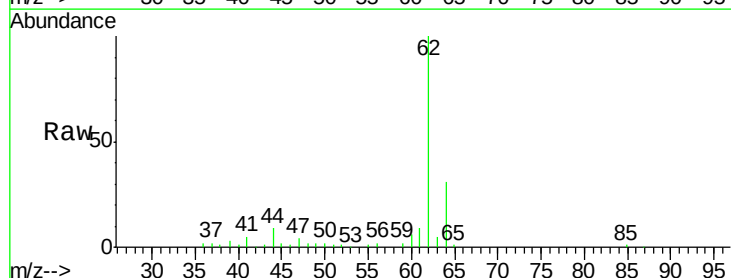
Acq: 22 Jan 2019 15:29

Tgt Ion: 62 Resp: 55467

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 63.90 (63.60 to 64.60): VV0

1.32

40000

30000

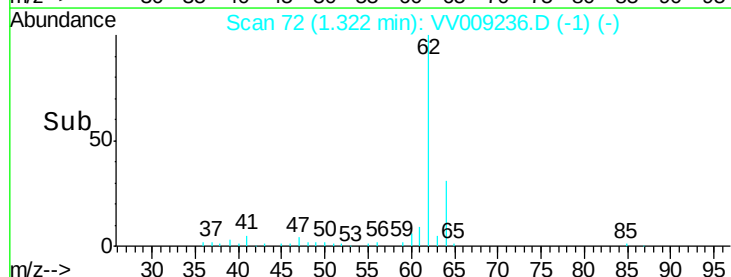
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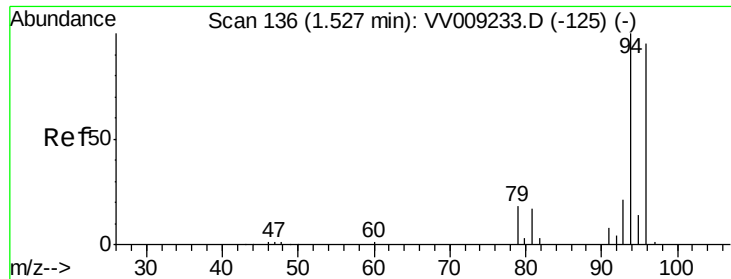
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0

Time-->

1.25 1.30 1.35 1.40 1.45





#5

Bromomethane

Concen: 47.544 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

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ClientSampleId :

ICVV012219

Tot Ion: 94 Resp: 31575

Ion Ratio Lower Upper

94 100

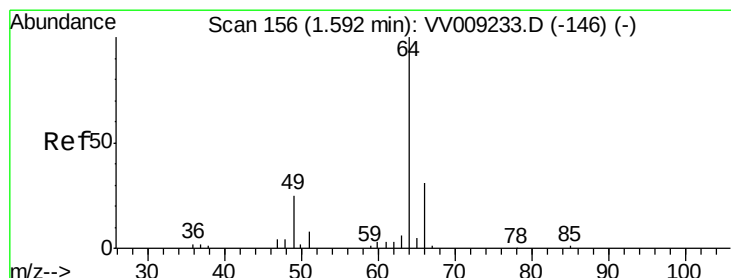
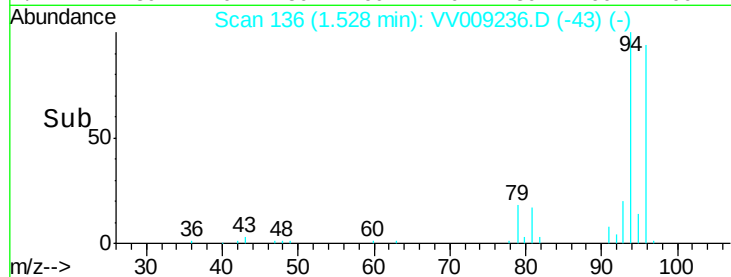
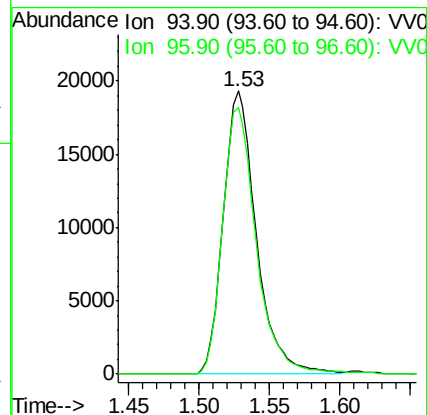
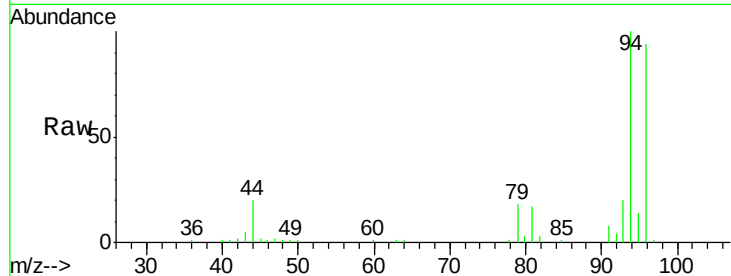
96 94.3 76.3 114.5

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#6

Chloroethane

Concen: 46.761 ug/l

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV009236.D

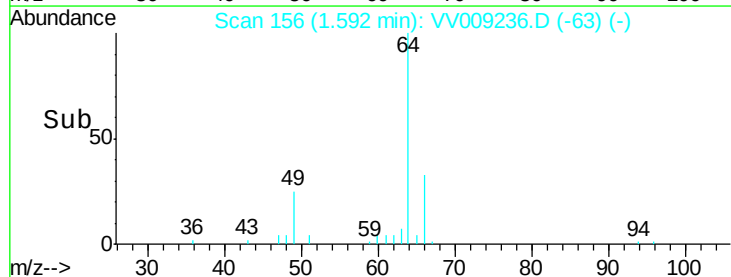
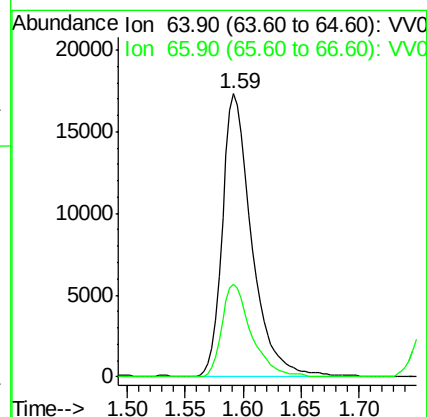
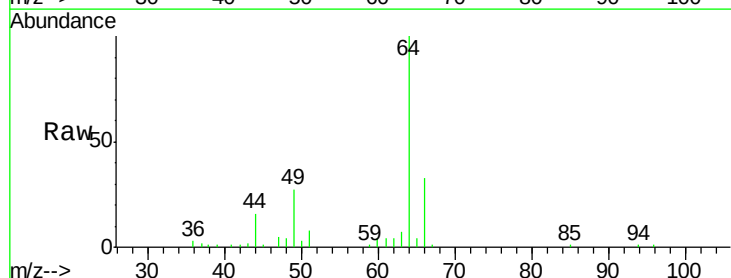
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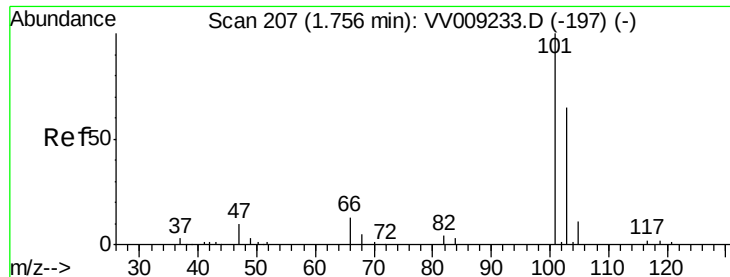
Tgt Ion: 64 Resp: 30606

Ion Ratio Lower Upper

64 100

66 32.6 25.1 37.7





#7

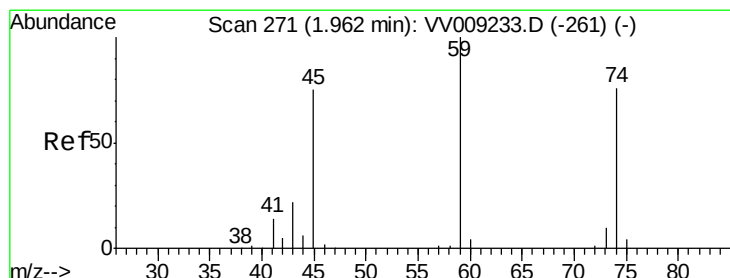
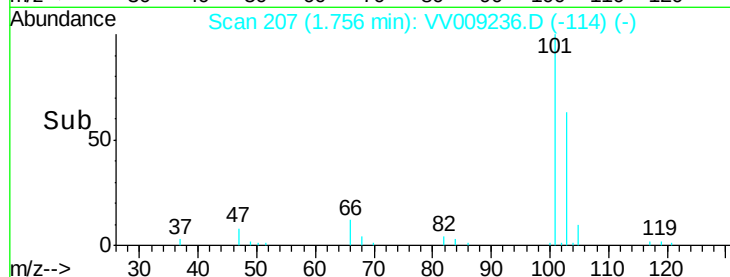
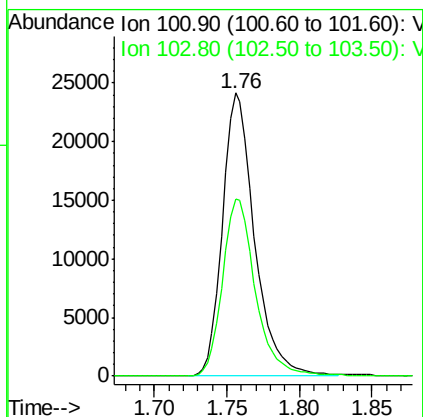
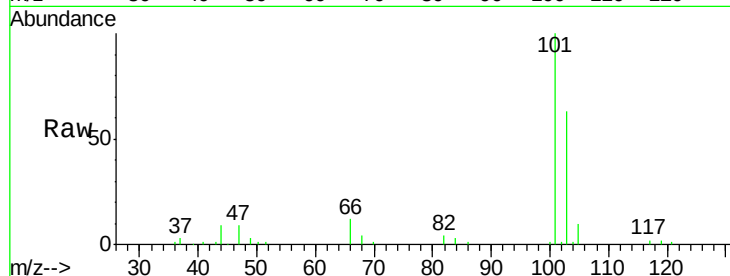
Trichlorofluoromethane
 Concen: 45.041 ug/l
 RT: 1.76 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

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 ICVVV012219

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.2	78.4

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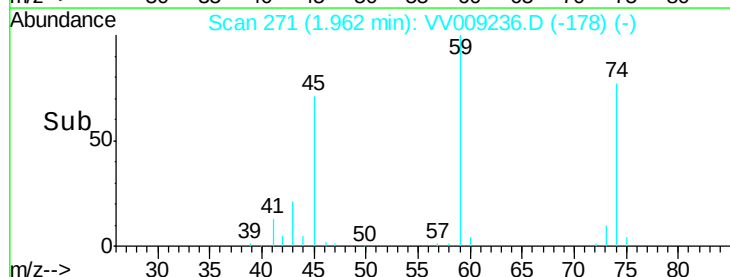
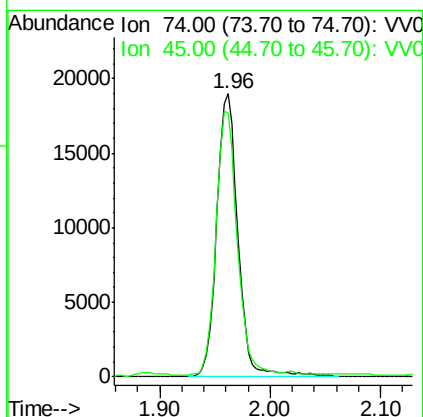
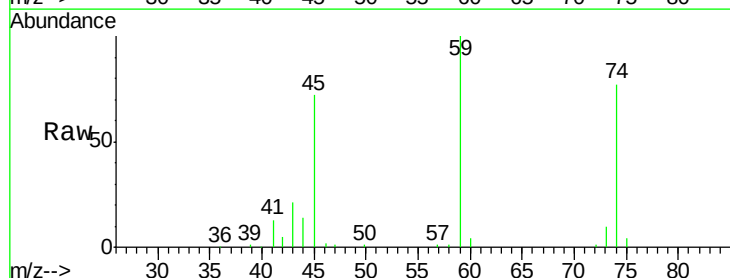
MMDadoda
 1/24/2019 11:44:16 AM

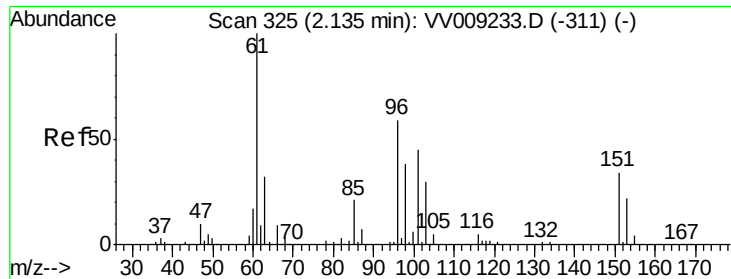


#8

Diethyl Ether
 Concen: 48.998 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.946 ug/l

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009236.D

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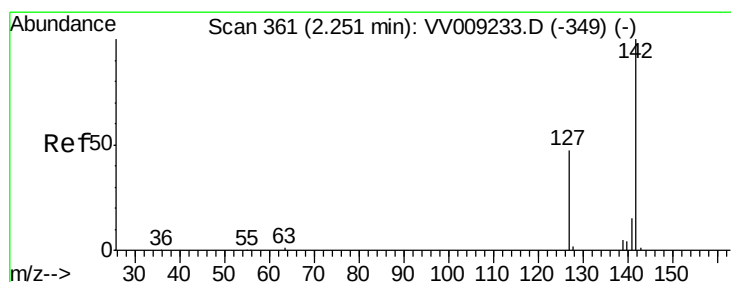
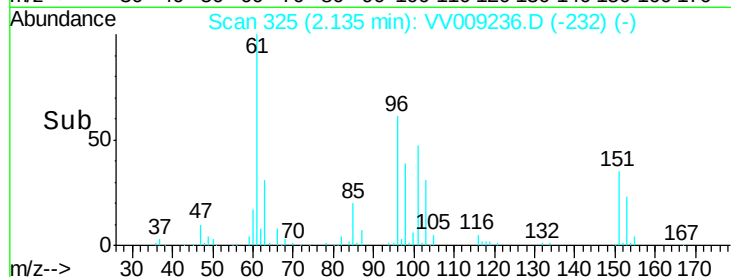
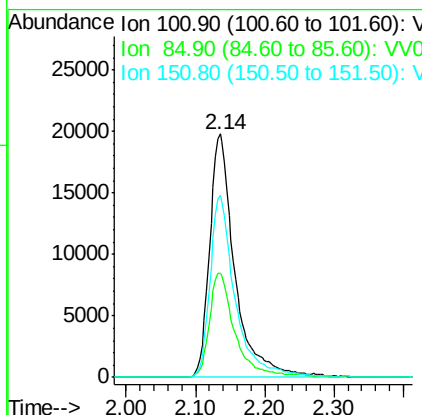
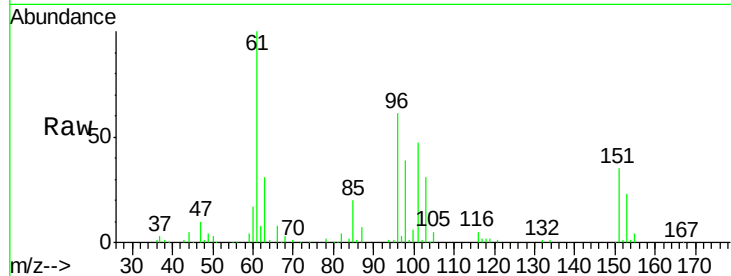
ClientSampleId :

ICVV012219

Tot Ion:	101	Resp:	49983
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.3	52.9
151	74.5	60.1	90.1

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#10

Methyl Iodide

Concen: 48.449 ug/l

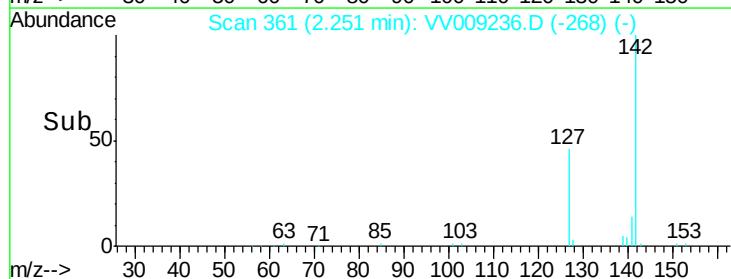
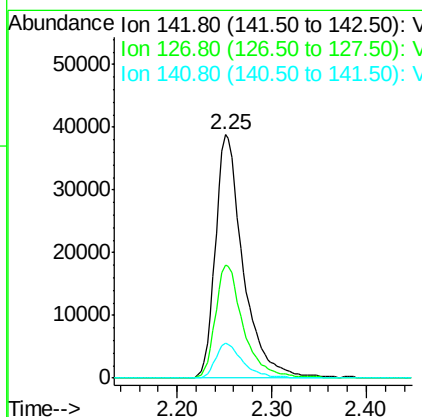
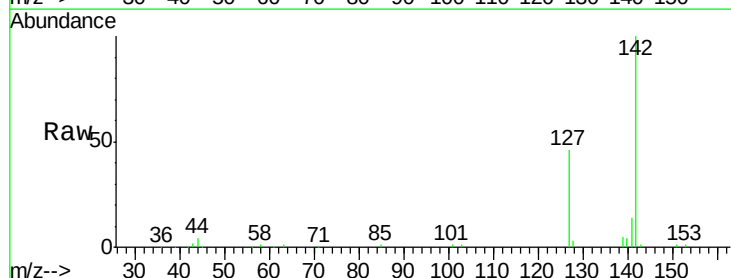
RT: 2.25 min Scan# 361

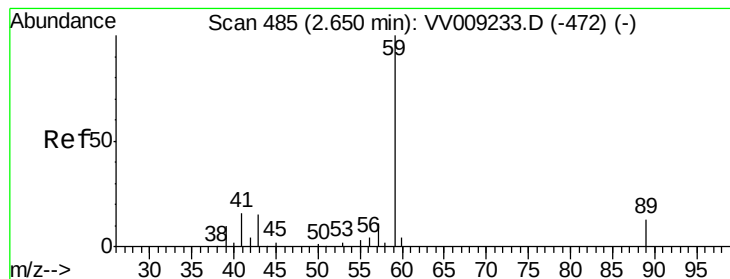
Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Tgt Ion:	142	Resp:	78966
Ion Ratio	Lower	Upper	
142	100		
127	47.1	37.9	56.9
141	14.1	11.7	17.5





#11

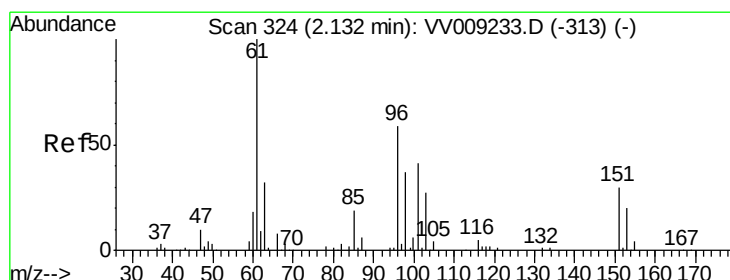
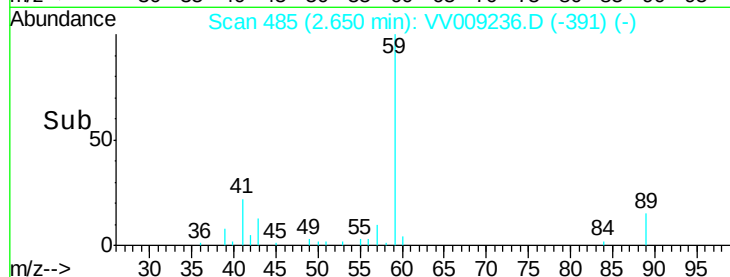
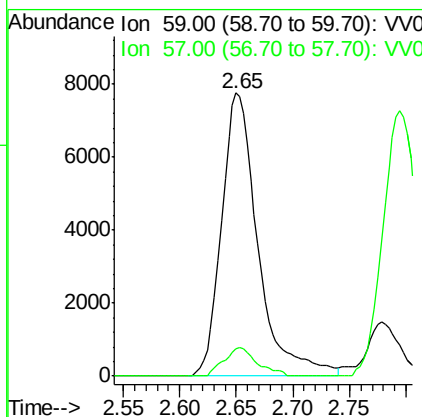
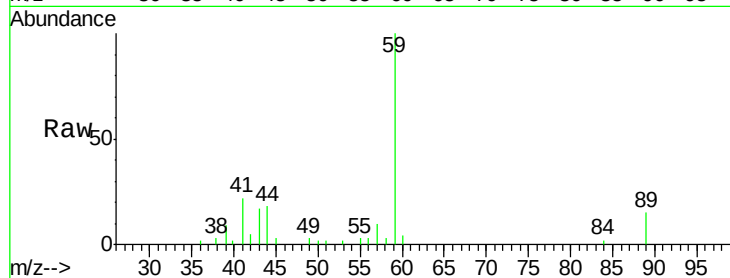
Tert butyl alcohol
 Concen: 250.267 ug/l
 RT: 2.65 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012219

Tot Ion	59	57	Ratio	100	9.1	Resp	17406	Lower	8.4	Upper	12.6
Ion	59	57	Ratio	100	9.1	Resp	17406	Lower	8.4	Upper	12.6

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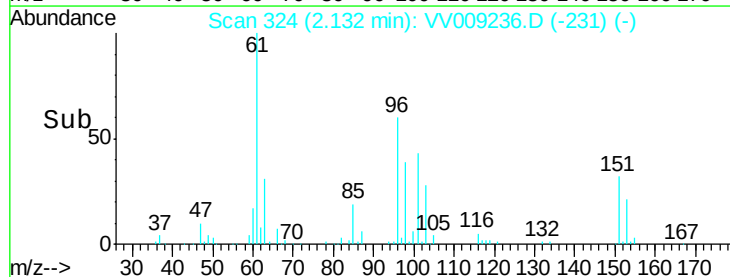
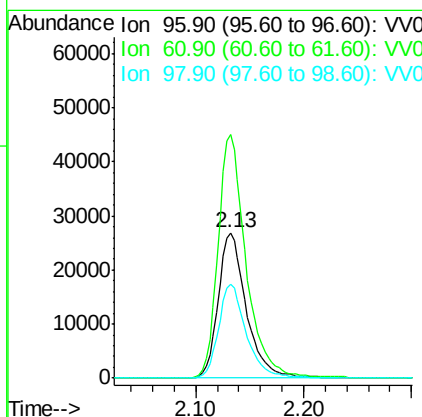
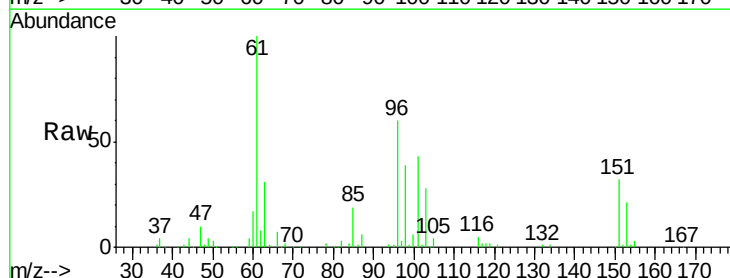
MMDadoda
 1/24/2019 11:44:16 AM

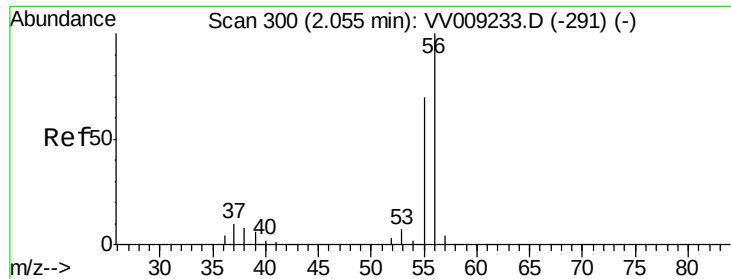


#12

1,1-Dichloroethene
 Concen: 48.508 ug/l
 RT: 2.13 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Tgt Ion	96	61	98	Ratio	100	167.9	64.8	Resp	48635	Lower	136.6	50.6	Upper	205.0	75.8
Ion	96	61	98	Ratio	100	167.9	64.8	Resp	48635	Lower	136.6	50.6	Upper	205.0	75.8





#13

Acrolein

Concen: 245.360 ug/l

RT: 2.05 min Scan# 300

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampleId :

ICVV012219

Tot Ion: 56 Resp: 14703

Ion Ratio Lower Upper

56 100

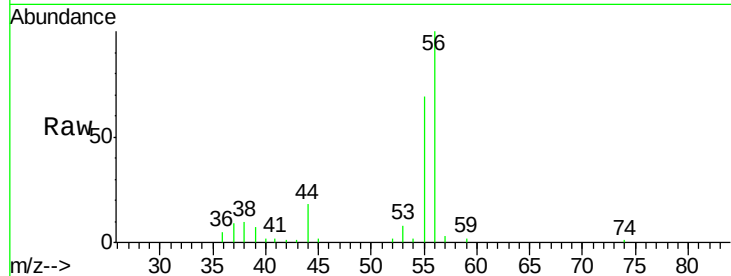
55 68.3 54.0 81.0

Manual Integrations

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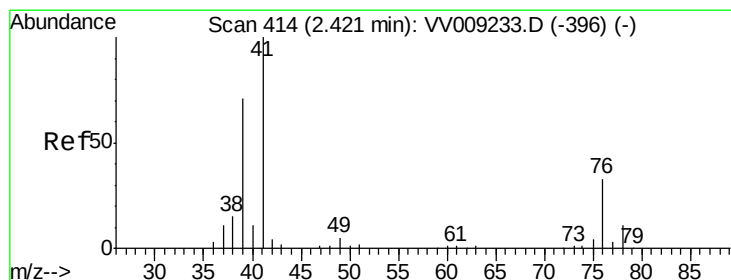
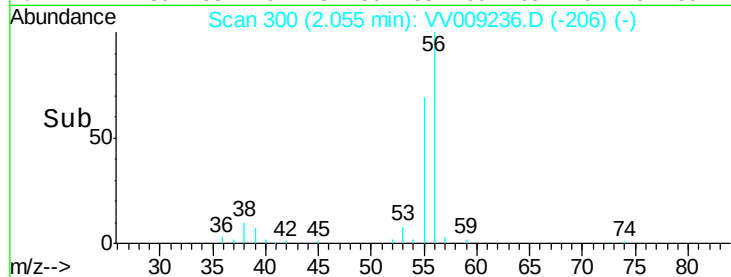
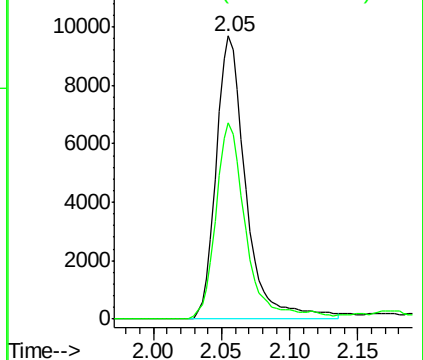
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 55.00 (54.70 to 55.70): VV0



#14

Allyl chloride

Concen: 48.130 ug/l

RT: 2.42 min Scan# 413

Delta R.T. -0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

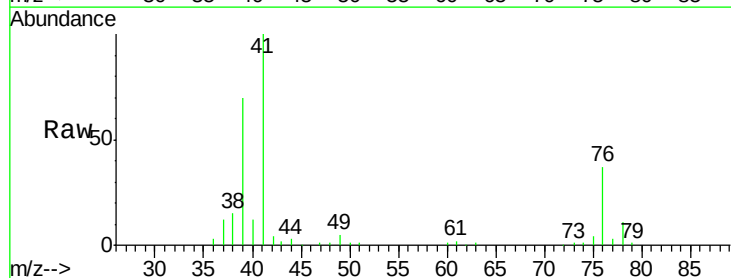
Tgt Ion: 41 Resp: 83168

Ion Ratio Lower Upper

41 100

39 69.4 55.1 82.7

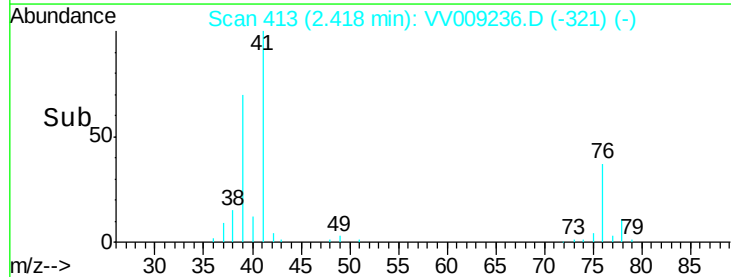
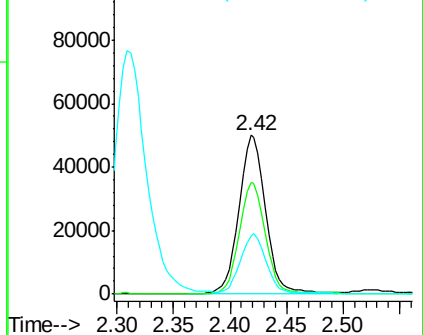
76 34.6 26.7 40.1

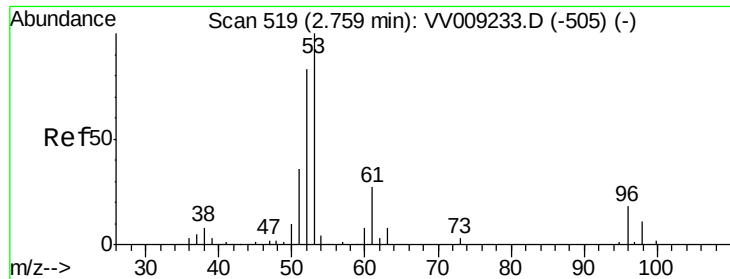


Abundance Ion 41.00 (40.70 to 41.70): VV0

Ion 39.00 (38.70 to 39.70): VV0

Ion 75.90 (75.60 to 76.60): VV0





#15

Acrylonitrile

Concen: 238.188 ug/l

RT: 2.76 min Scan# 518

Delta R.T. -0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

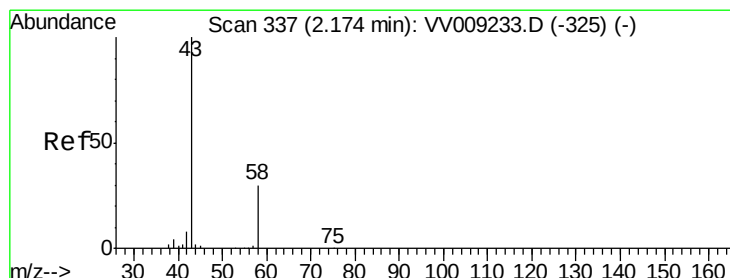
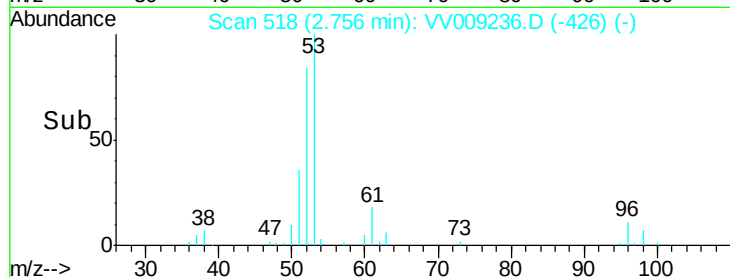
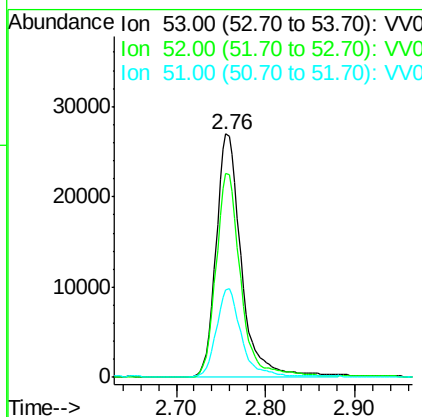
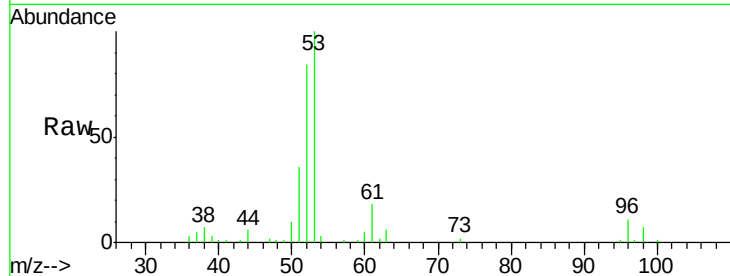
ClientSampleId :

ICVV012219

Tot Ion:	53	Resp:	53329
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.3	97.9
51	36.0	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 232.521 ug/l

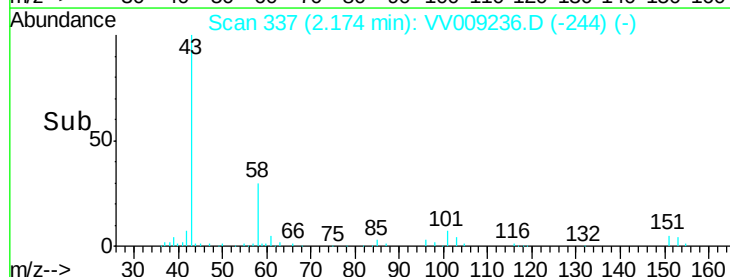
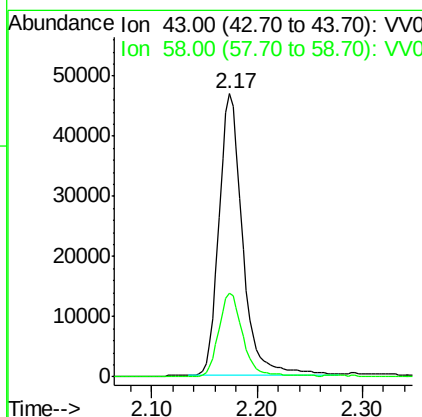
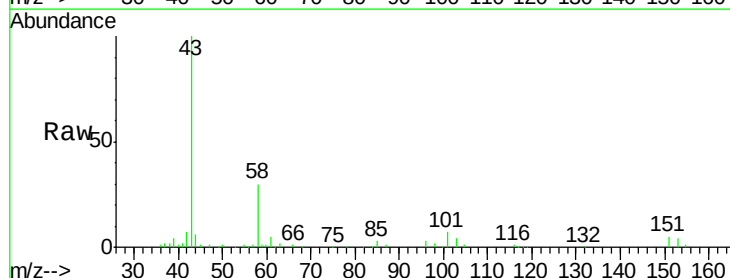
RT: 2.17 min Scan# 337

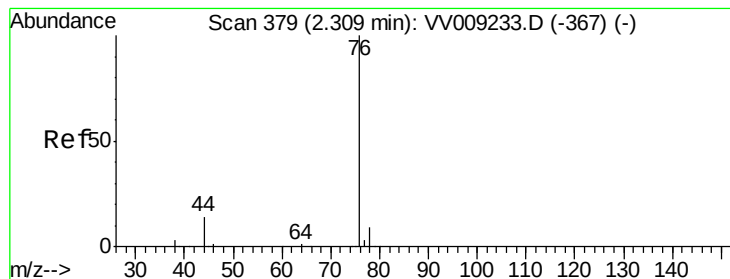
Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Tgt Ion:	43	Resp:	72828
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.4	36.6





#17

Carbon Disulfide

Concen: 47.891 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampleId :

ICVVV012219

Tot Ion: 76 Resp: 146883

Ion Ratio Lower Upper

76 100

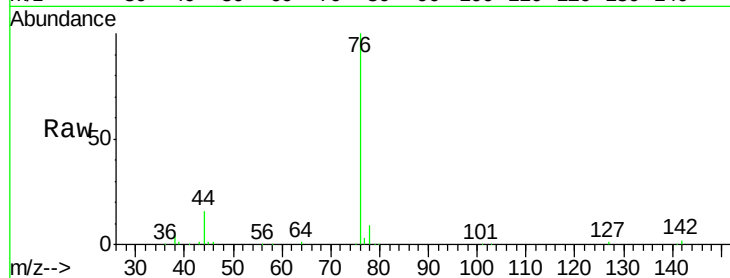
78 9.0 7.3 10.9

Manual Integrations

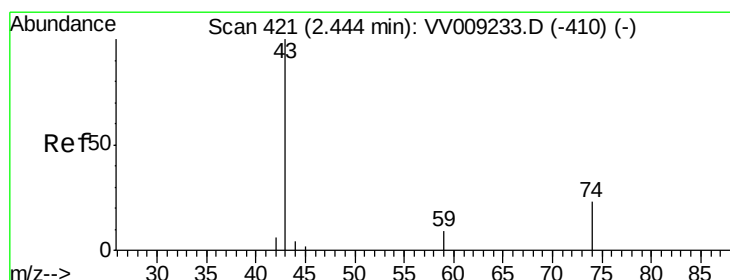
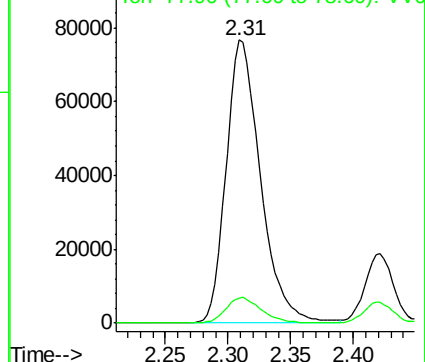
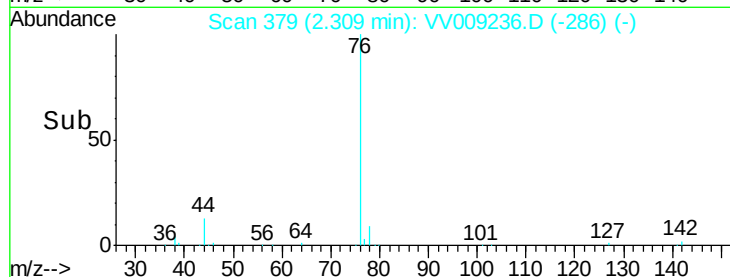
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Abundance Ion 75.90 (75.60 to 76.60): VV009236.D (-286) (-)



#18

Methyl Acetate

Concen: 43.524 ug/l

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV009236.D

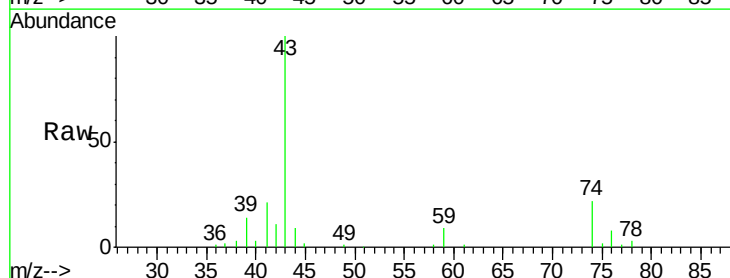
Acq: 22 Jan 2019 15:29

Tgt Ion: 43 Resp: 36411

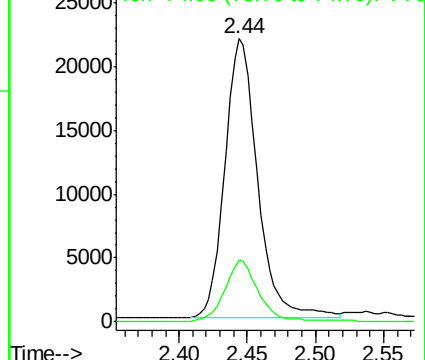
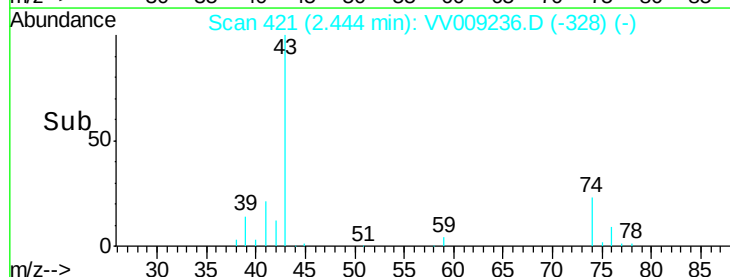
Ion Ratio Lower Upper

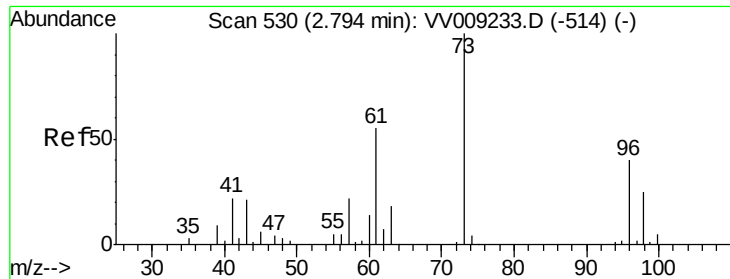
43 100

74 22.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV009236.D (-328) (-)





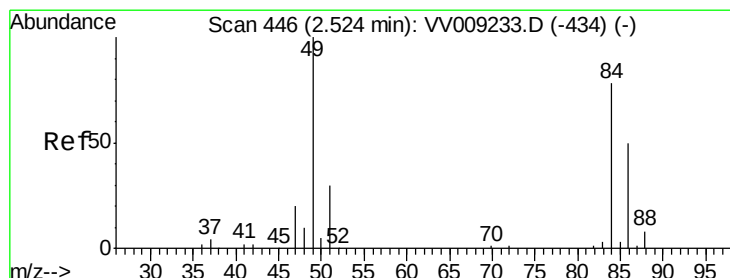
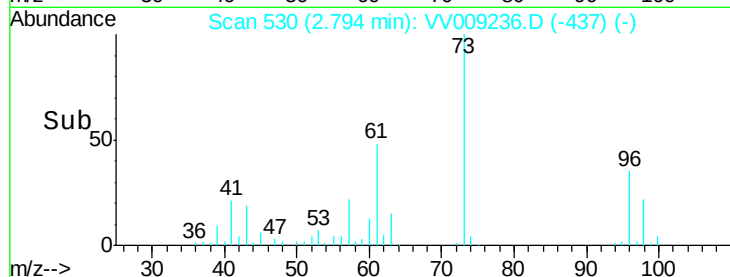
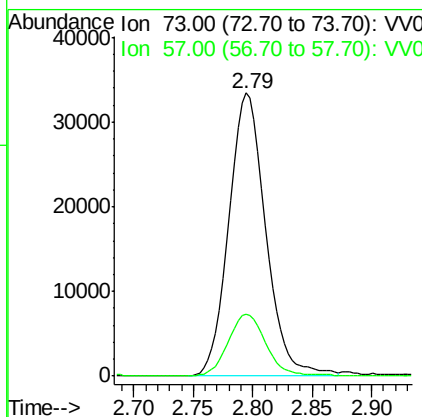
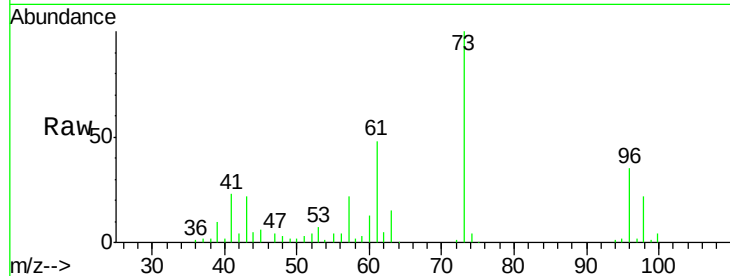
#19
Methyl tert-butyl Ether
Concen: 46.319 ug/l
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

Tot Ion: 73 Resp: 72087
Ion Ratio Lower Upper
73 100
57 21.7 18.0 27.0

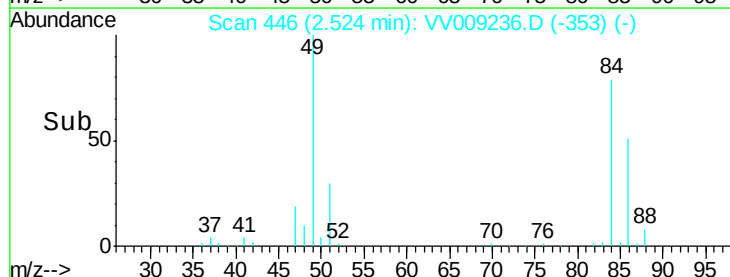
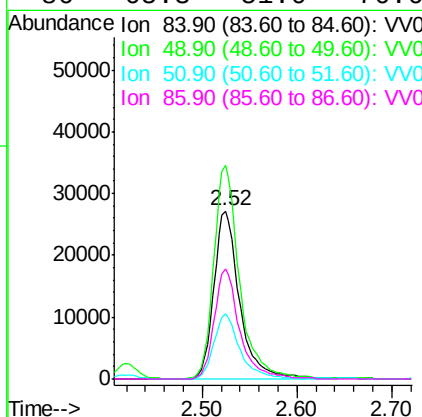
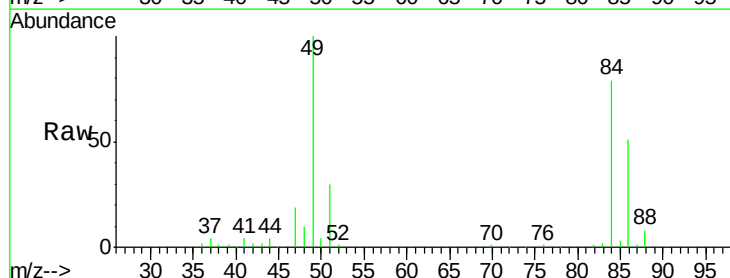
Manual Integrations
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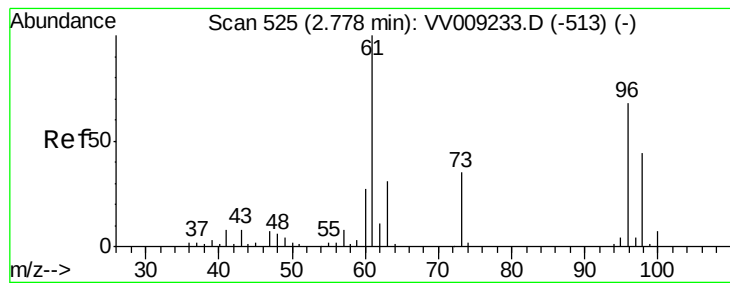
MMDadoda
1/24/2019 11:44:16 AM



#20
Methylene Chloride
Concen: 49.761 ug/l
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion: 84 Resp: 51555
Ion Ratio Lower Upper
84 100
49 126.6 102.0 153.0
51 38.6 30.9 46.3
86 65.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.693 ug/l

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampled :

ICVVV012219

Tot Ion: 96 Resp: 51518

Ion Ratio Lower Upper

96 100

61 140.6 117.7 176.5

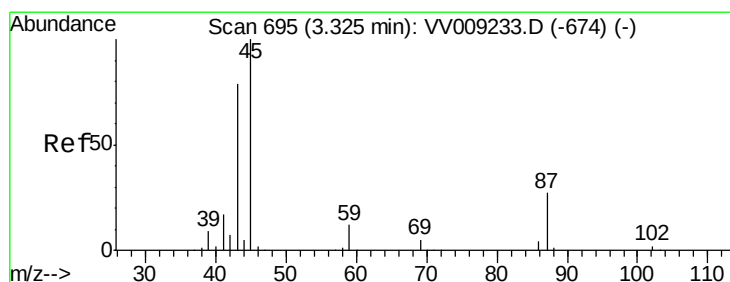
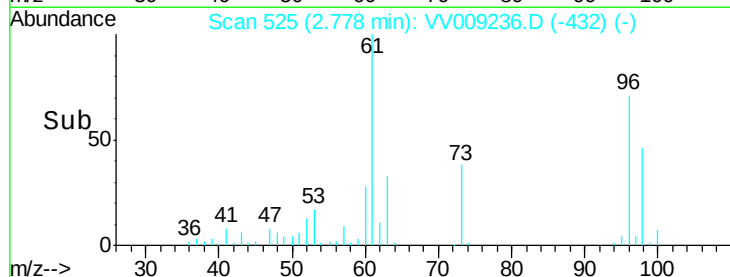
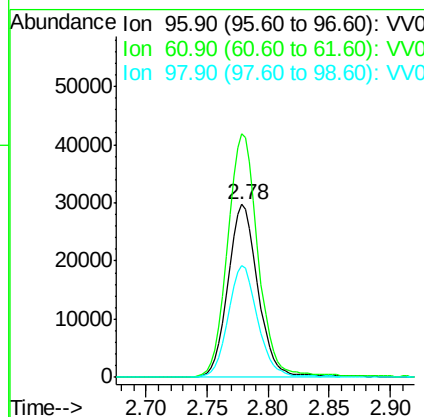
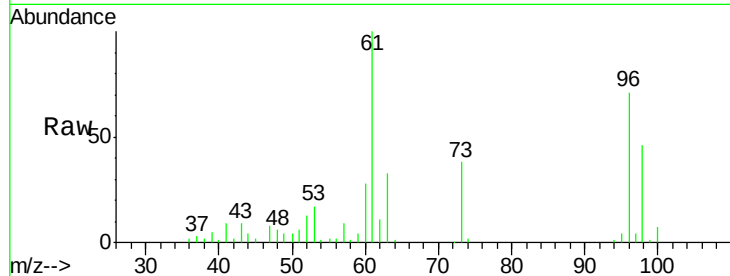
98 64.9 51.5 77.3

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#22

Diisopropyl ether

Concen: 48.517 ug/l

RT: 3.32 min Scan# 694

Delta R.T. -0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Tgt Ion: 45 Resp: 178518

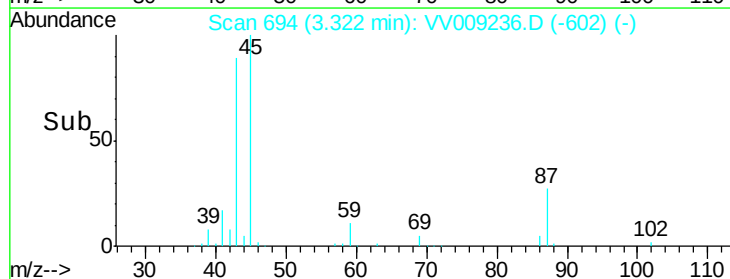
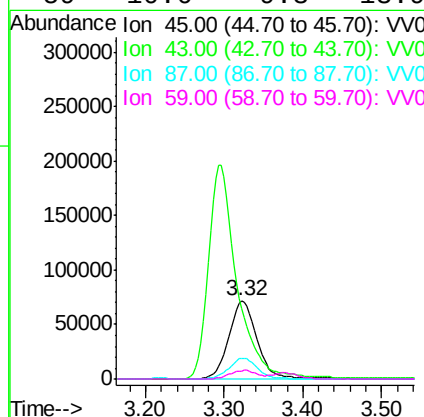
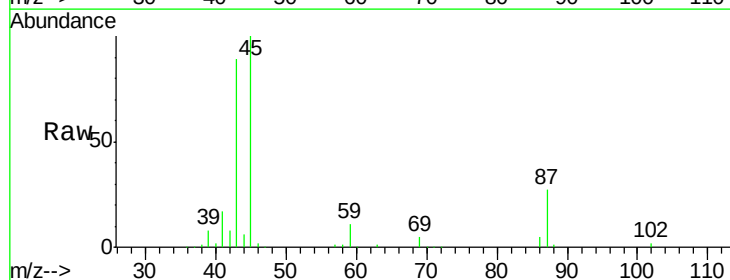
Ion Ratio Lower Upper

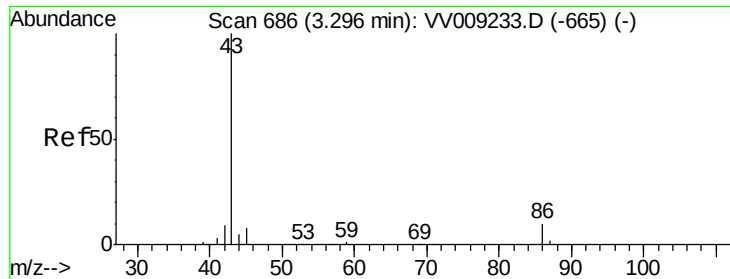
45 100

43 86.9 63.0 94.4

87 26.6 21.5 32.3

59 10.6 9.3 13.9





#23

Vinyl Acetate

Concen: 247.399 ug/l

RT: 3.30 min Scan# 686

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampleId :

ICVV012219

Tot Ion: 43 Resp: 493928

Ion Ratio Lower Upper

43 100

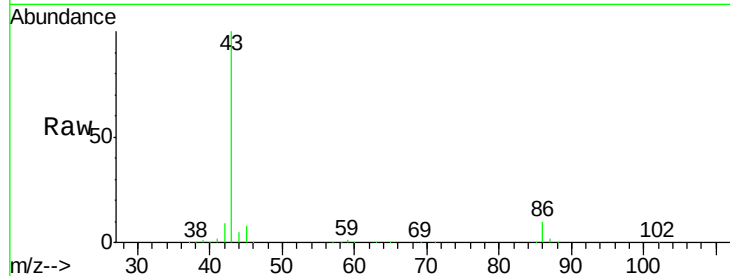
86 10.3 8.1 12.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

3.30

200000

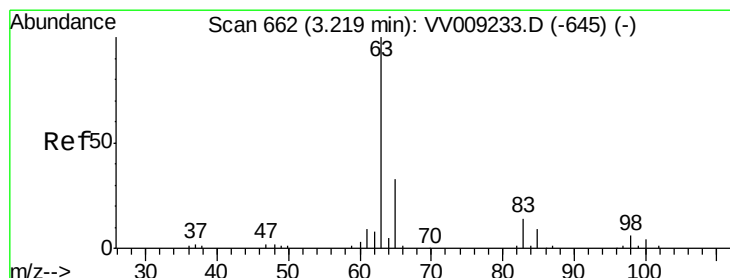
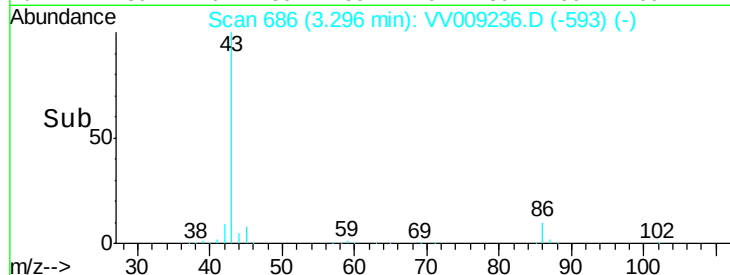
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.685 ug/l

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

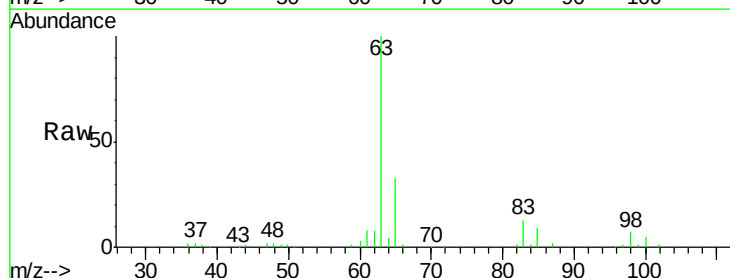
Tgt Ion: 63 Resp: 109163

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.7 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 97.90 (97.60 to 98.60): VV0

Ion 99.90 (99.60 to 100.60): VV0

3.22

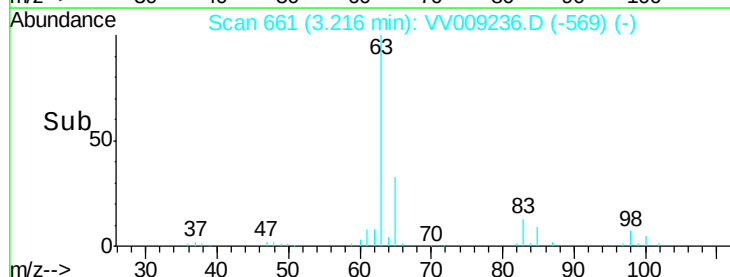
60000

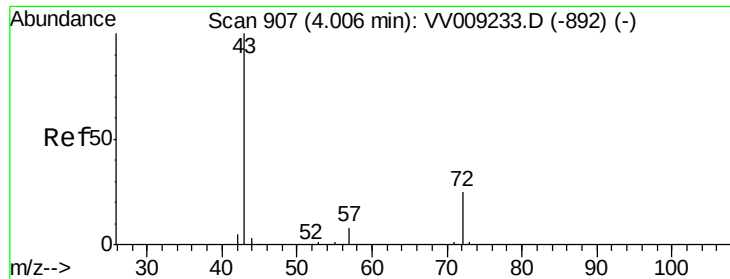
40000

20000

0

Time-->





#25

2-Butanone

Concen: 242.351 ug/l

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampleId :

ICVV012219

Tot Ion: 43 Resp: 86801

Ion Ratio Lower Upper

43 100

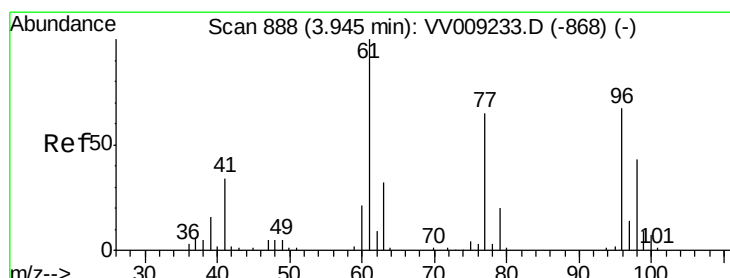
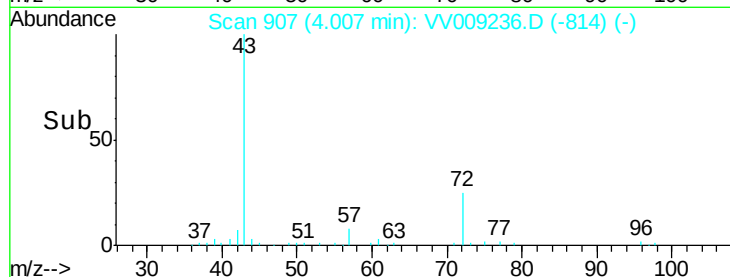
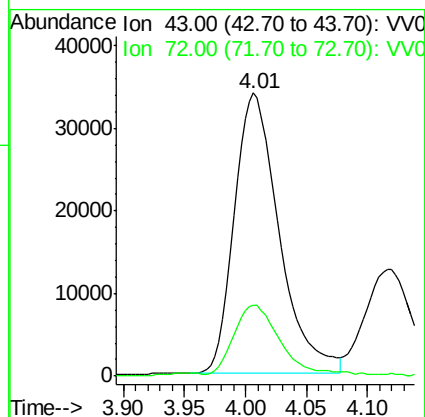
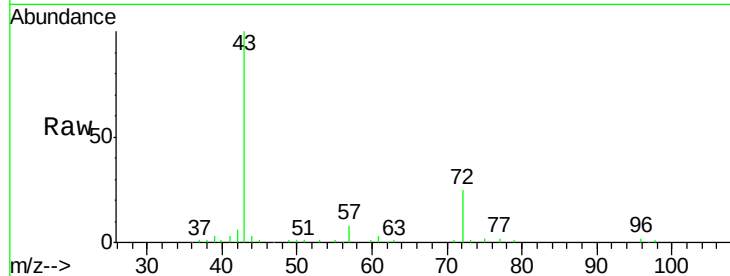
72 24.5 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.803 ug/l

RT: 3.94 min Scan# 887

Delta R.T. -0.00 min

Lab File: VV009236.D

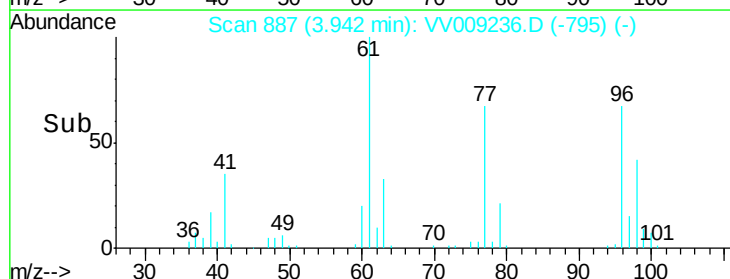
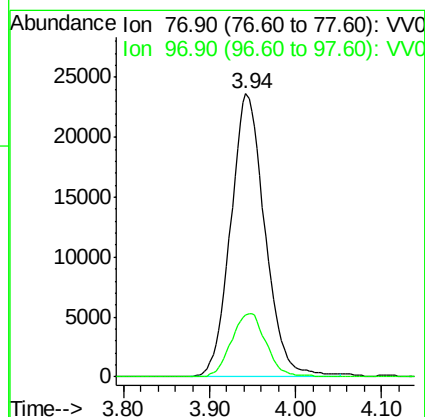
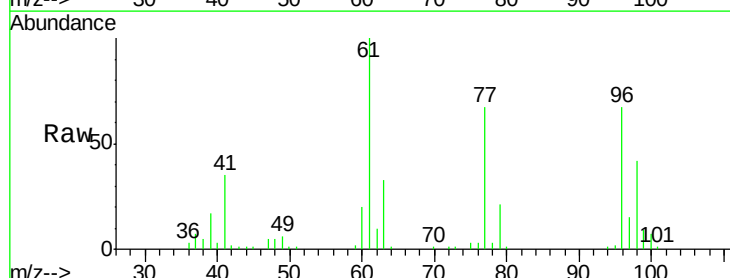
Acq: 22 Jan 2019 15:29

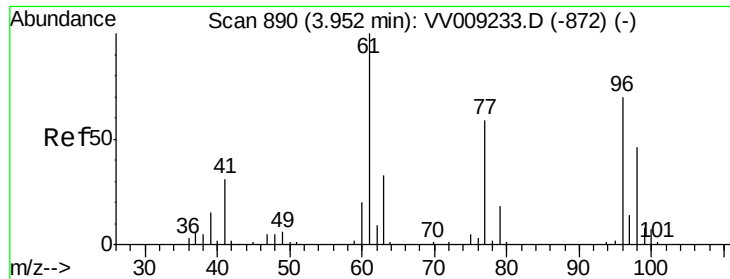
Tgt Ion: 77 Resp: 65453

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.6





#27

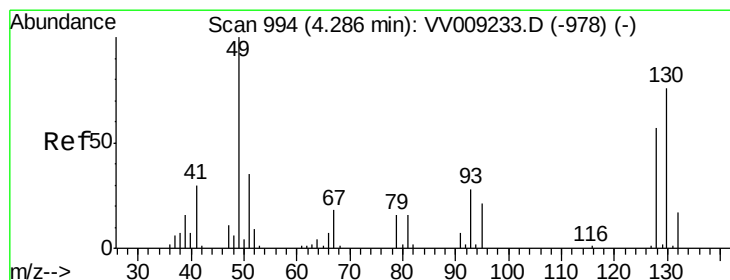
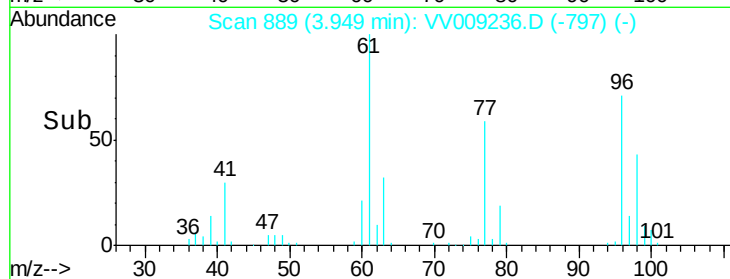
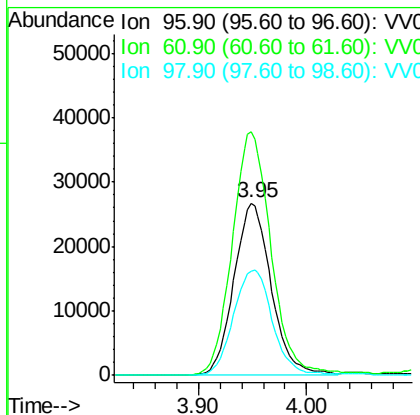
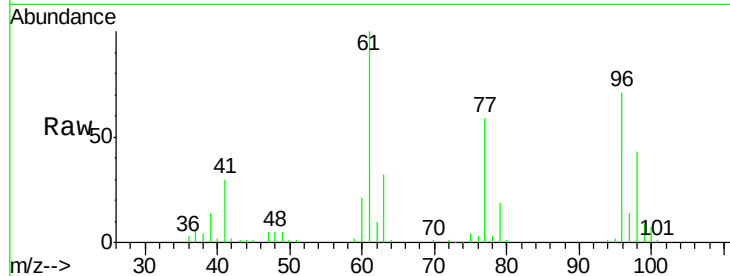
cis-1,2-Dichloroethene
Concen: 49.117 ug/l
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	296.4
98	64.2	0.0	130.0

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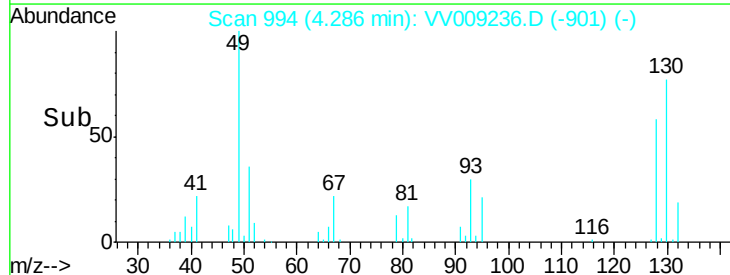
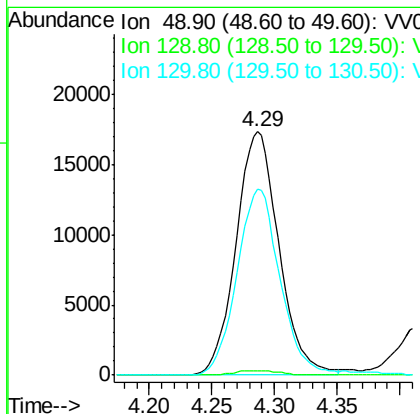
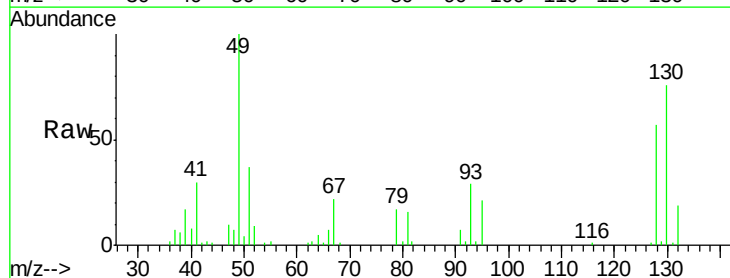
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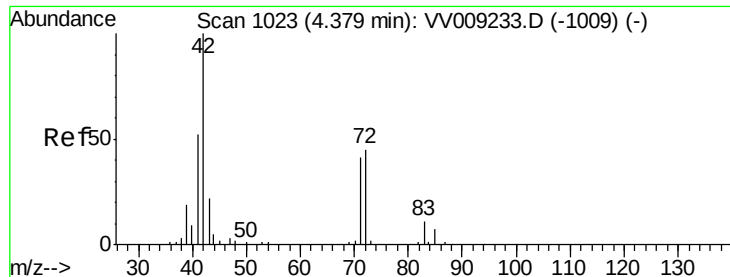


#28

Bromochloromethane
Concen: 48.881 ug/l
RT: 4.29 min Scan# 994
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	76.8	60.2	90.4





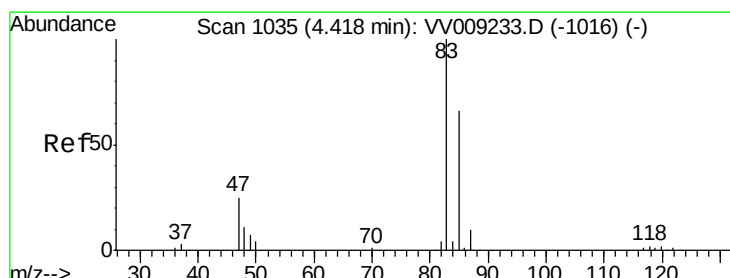
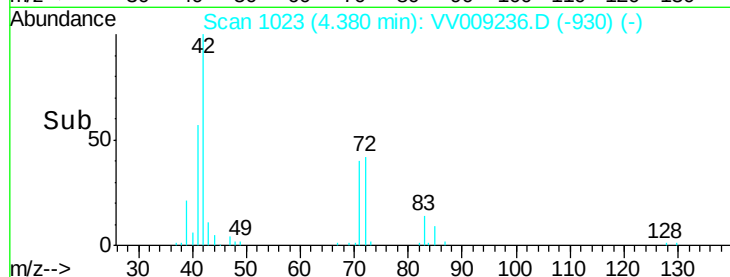
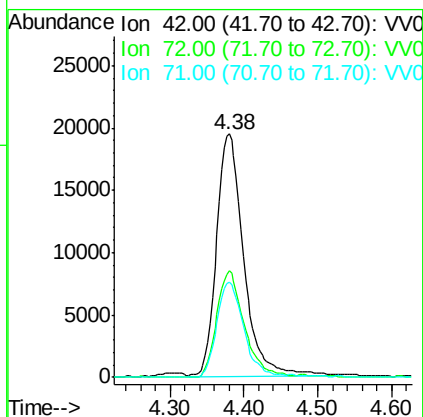
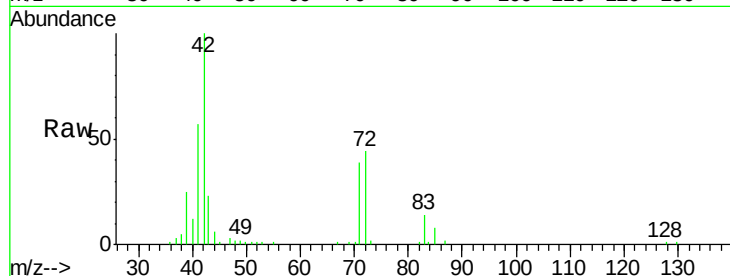
#29
Tetrahydrofuran
Concen: 255.517 ug/l
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	37.7	56.5
71	38.9	31.5	47.3

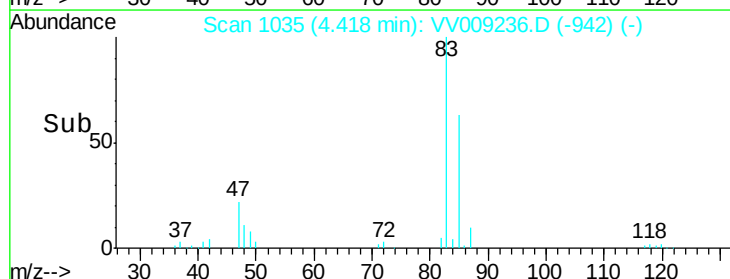
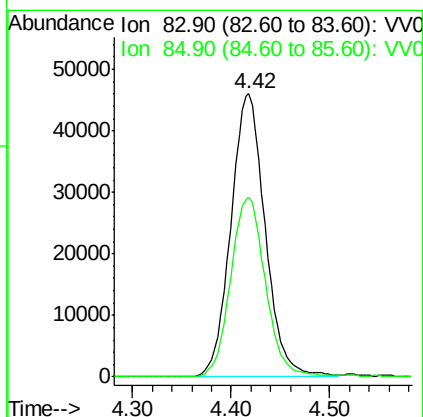
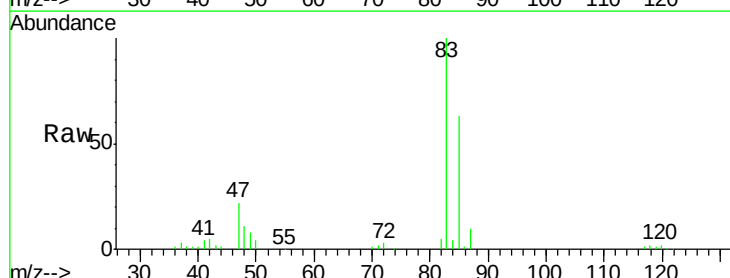
Manual Integrations
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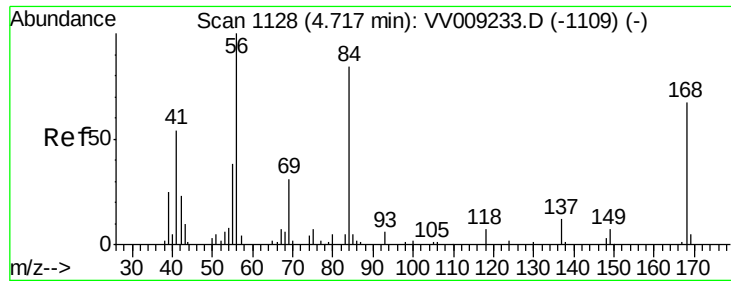
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#30
Chloroform
Concen: 48.493 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.6	79.0





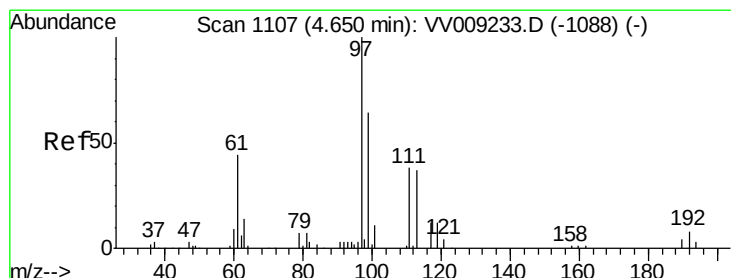
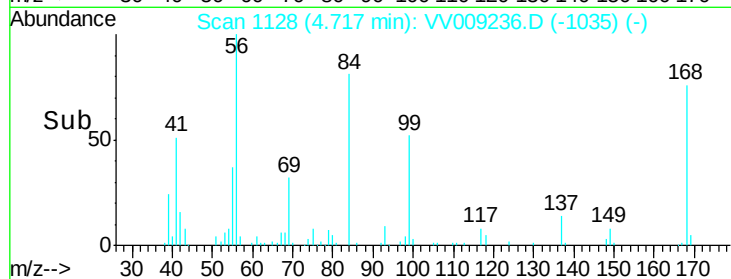
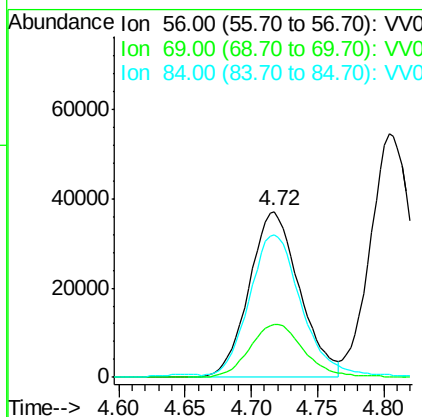
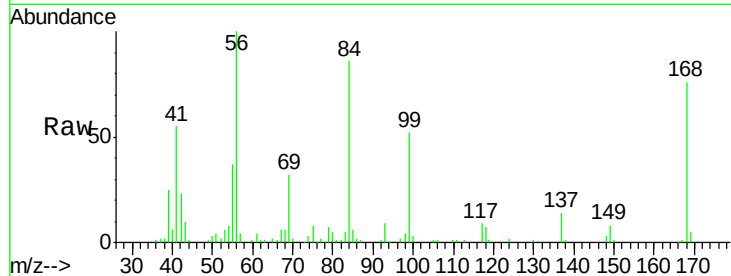
#31
Cyclohexane
Concen: 47.225 ug/l
RT: 4.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.1	37.7
84	84.0	67.3	100.9

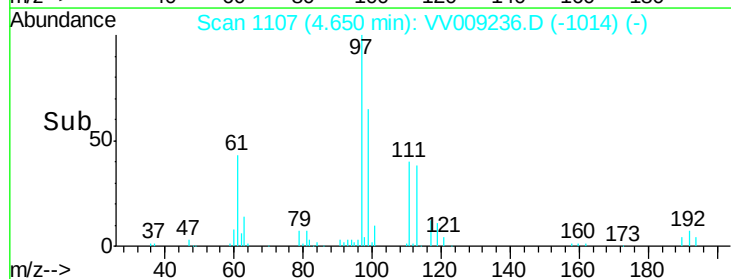
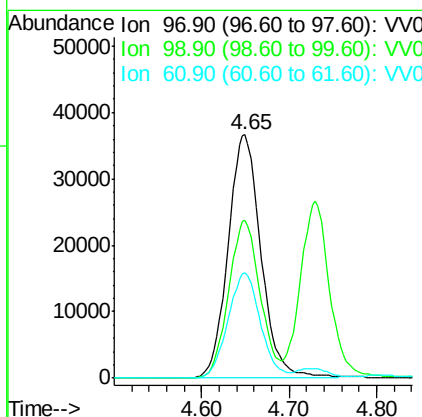
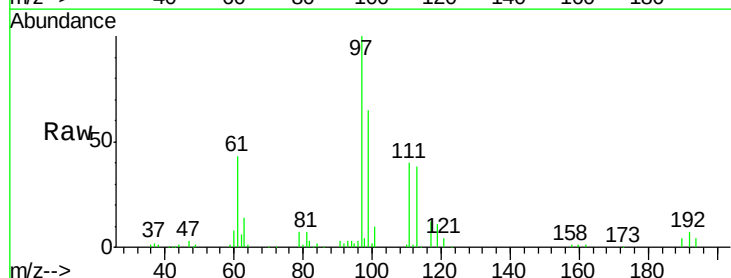
Manual Integrations
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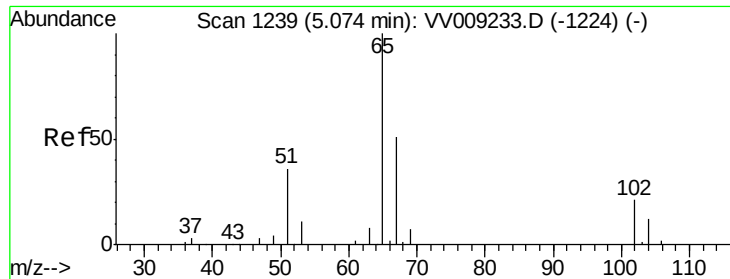
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#32
1,1,1-Trichloroethane
Concen: 49.270 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	50.2	75.2
61	42.9	34.7	52.1





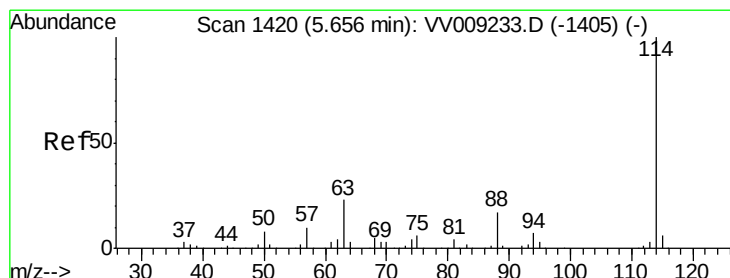
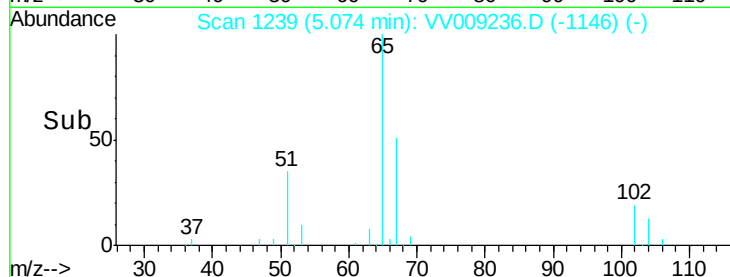
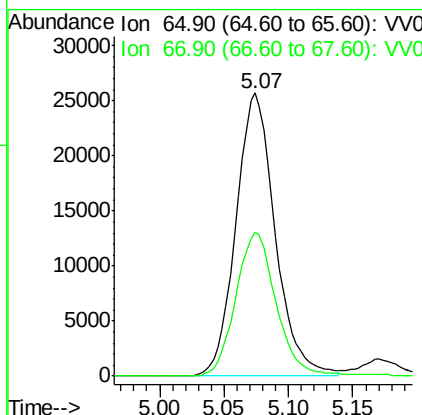
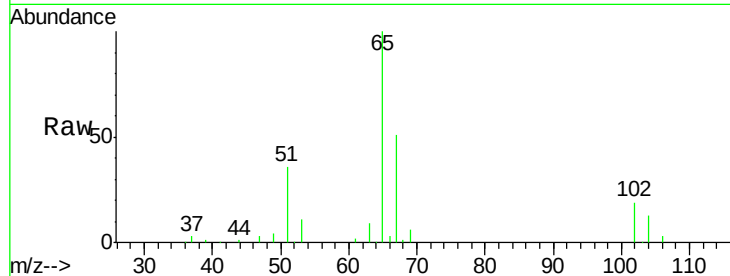
#33
 1,2-Dichloroethane-d4
 Concen: 47.150 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012219

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.8

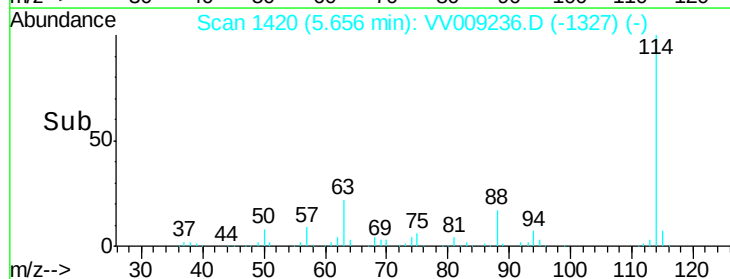
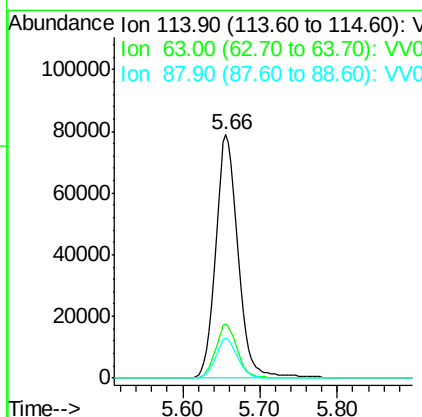
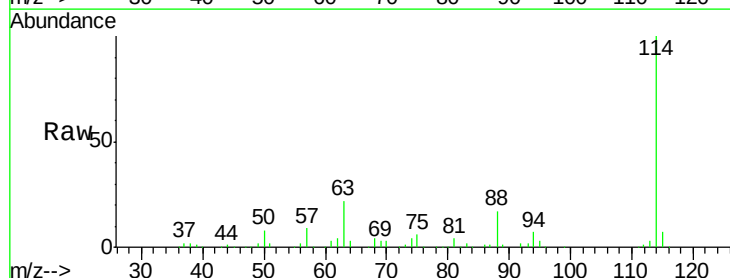
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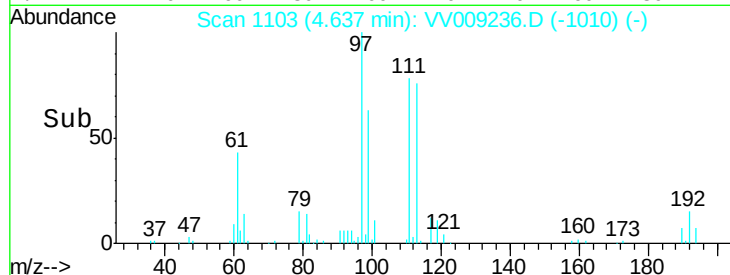
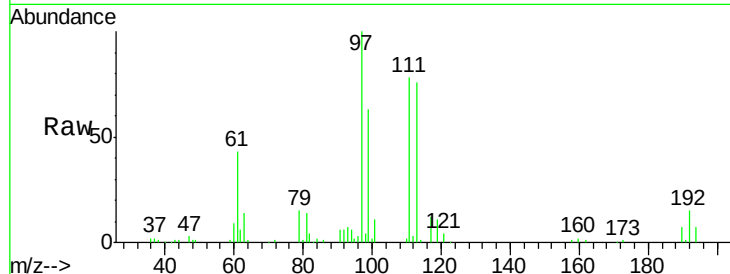
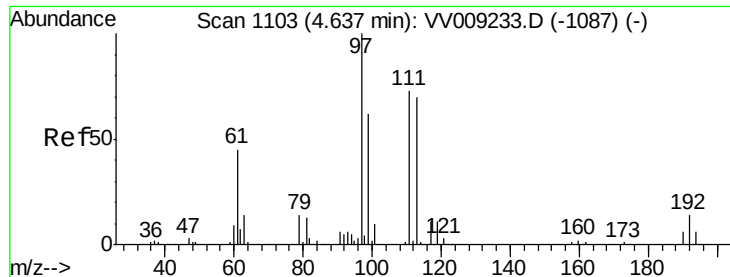
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	45.2
88	16.6	0.0	33.4





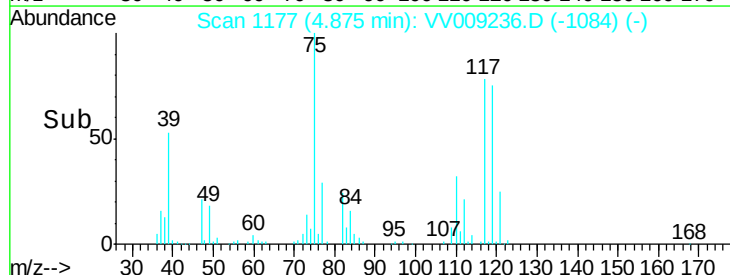
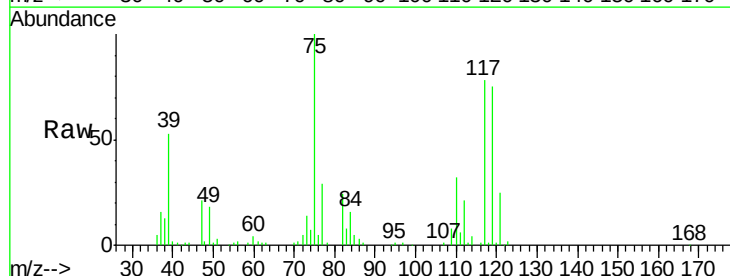
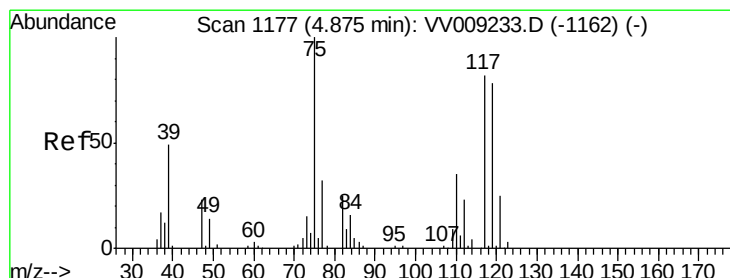
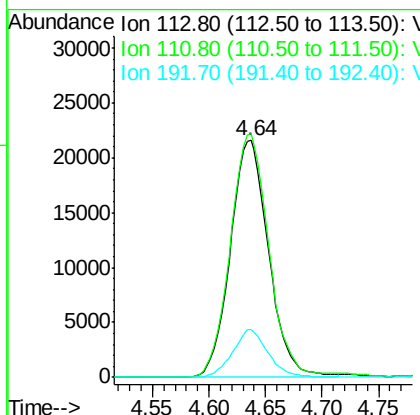
#35
Dibromofluoromethane
Concen: 48.361 ug/l
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tot Ion	Ratio	Resp	Lower	Upper
113	100	50754		
111	102.9	82.4	123.6	
192	18.6	15.0	22.6	

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

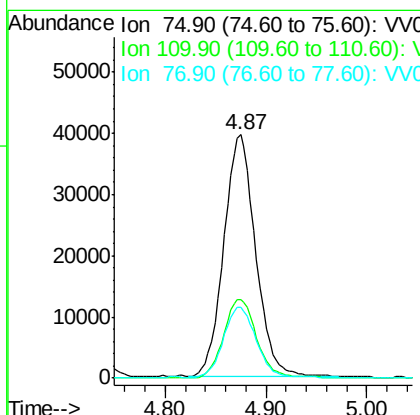
Manual Integrations
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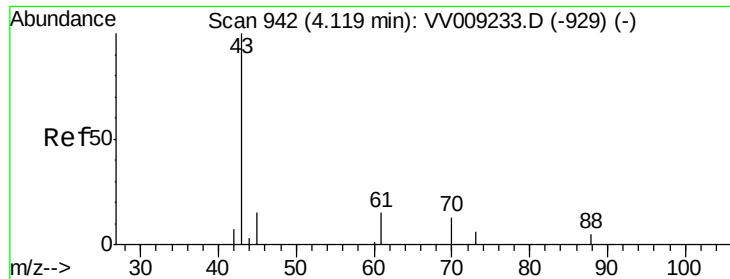
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#36
1,1-Dichloropropene
Concen: 48.155 ug/l
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86228		
110	34.3	17.5	52.5	
77	29.7	25.5	38.3	





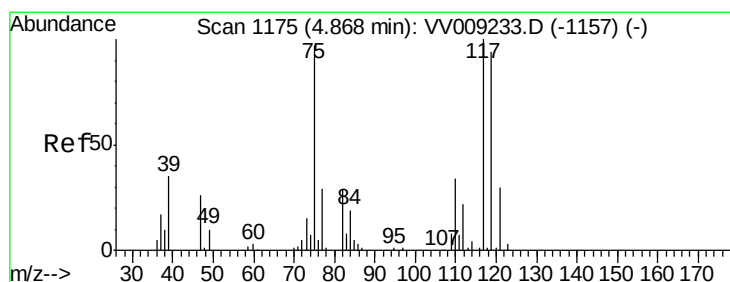
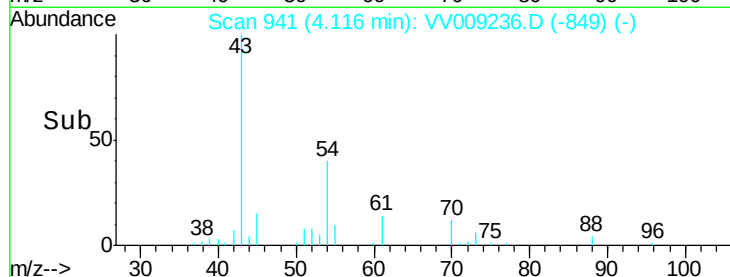
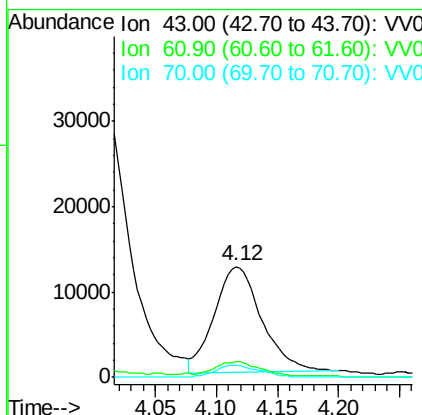
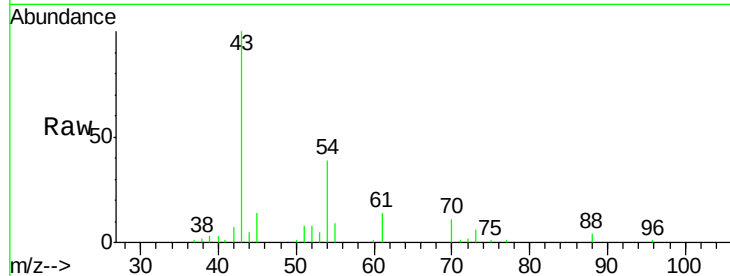
#37
Ethyl Acetate
Concen: 48.985 ug/l
RT: 4.12 min Scan# 941
Delta R.T. -0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

Tot Ion	43	Resp	33710
Ion Ratio	100	Lower	Upper
43	100		
61	16.1	12.0	18.0
70	10.8	8.7	13.1

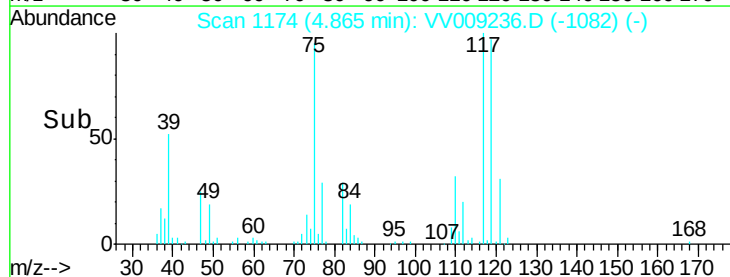
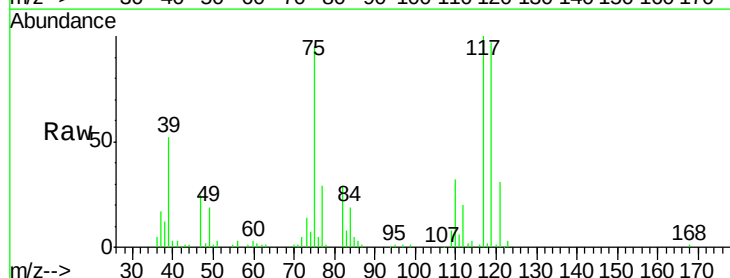
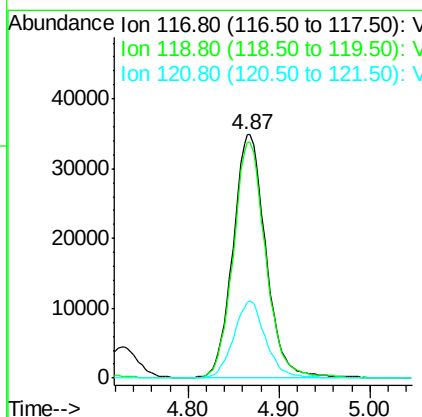
Manual Integrations
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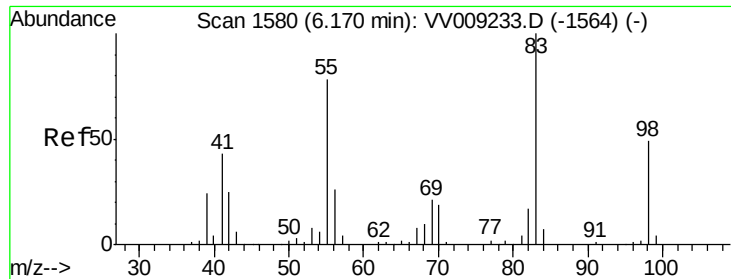
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#38
Carbon Tetrachloride
Concen: 48.780 ug/l
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion	117	Resp	87446
Ion Ratio	100	Lower	Upper
117	100		
119	97.1	75.4	113.2
121	31.2	24.2	36.2





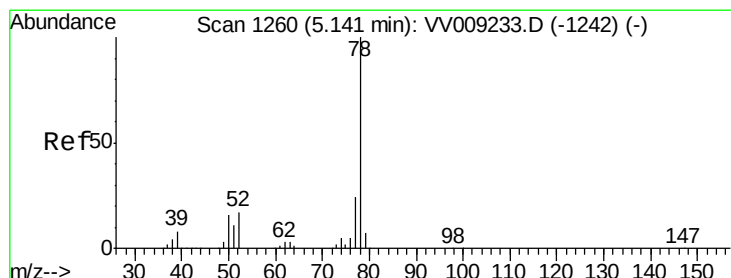
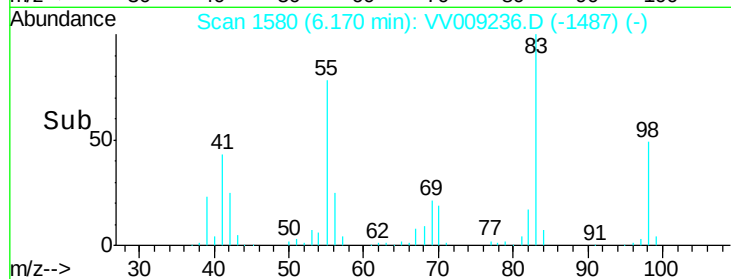
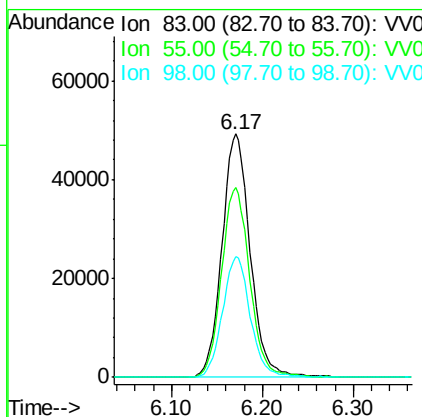
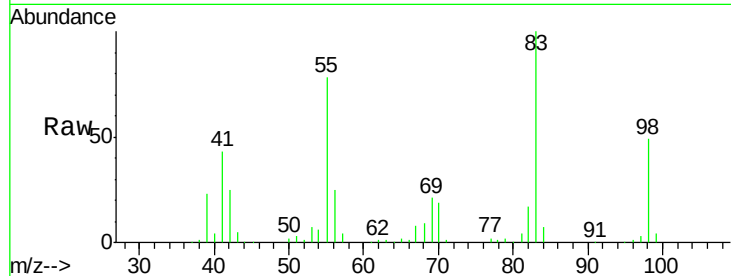
#39
Methylvlcyclohexane
Concen: 50.087 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVVV012219

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	62.8	94.2
98	49.4	39.1	58.7

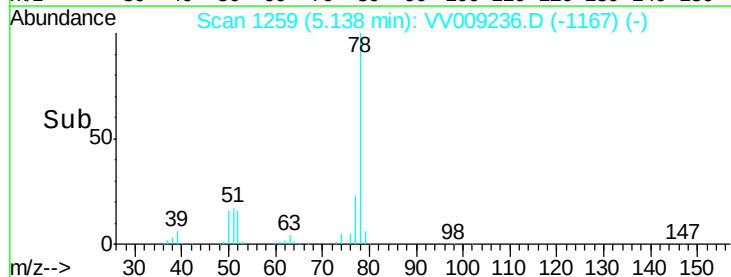
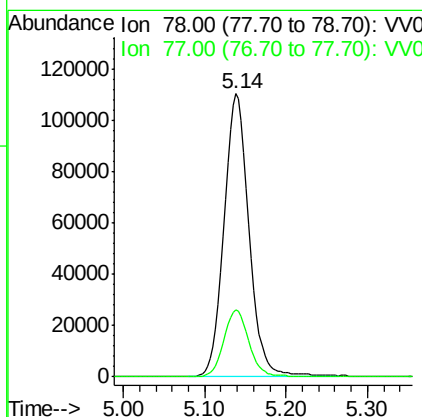
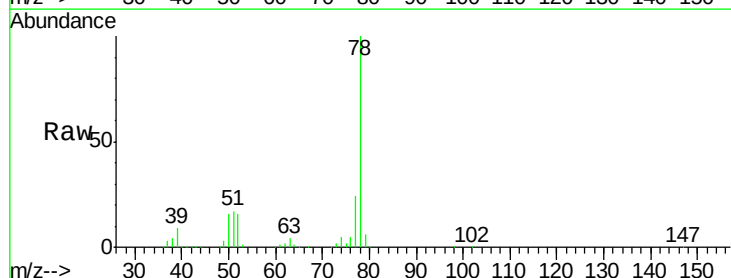
Manual Integrations
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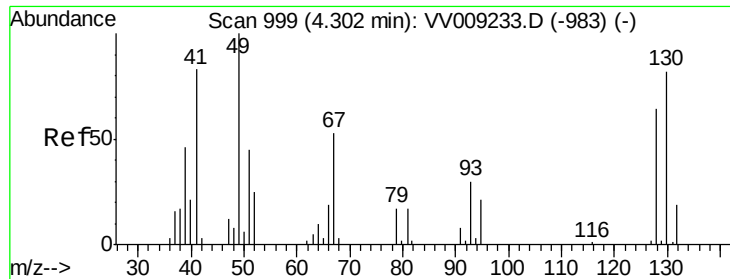
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#40
Benzene
Concen: 48.061 ug/l
RT: 5.14 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.2





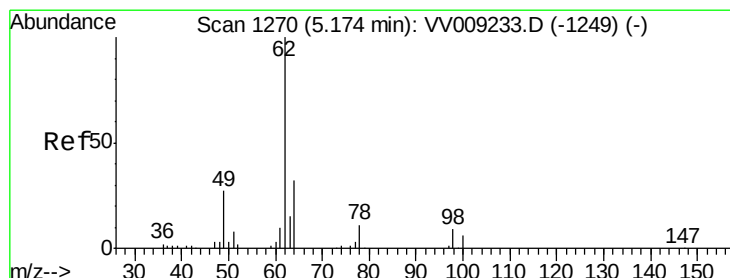
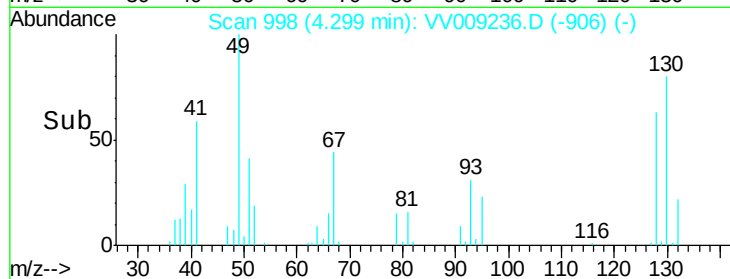
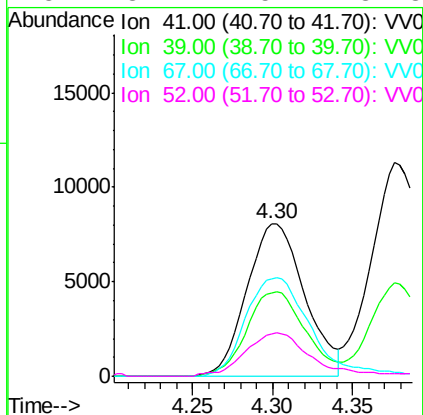
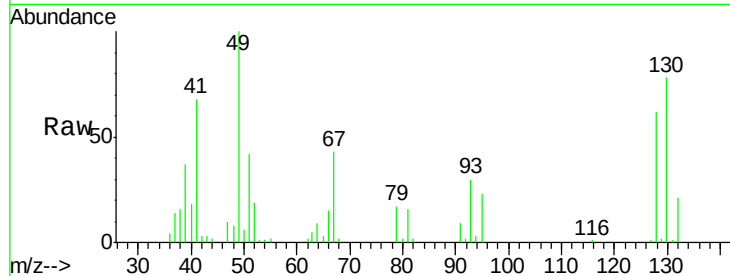
#41
Methacrylonitrile
Concen: 48.494 ug/l
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

Tot Ion	Ion	Ratio	Lower	Upper
20113	41	100		
	39	56.0	45.4	68.0
	67	72.5	55.5	83.3
	52	32.1	25.2	37.8

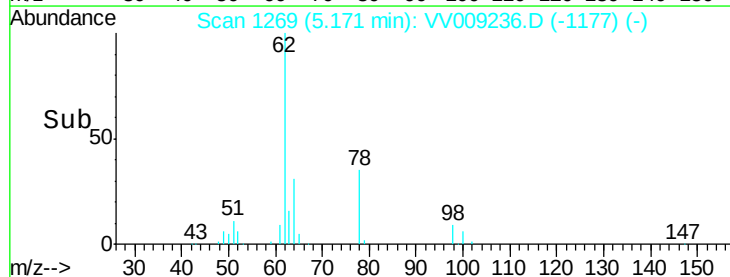
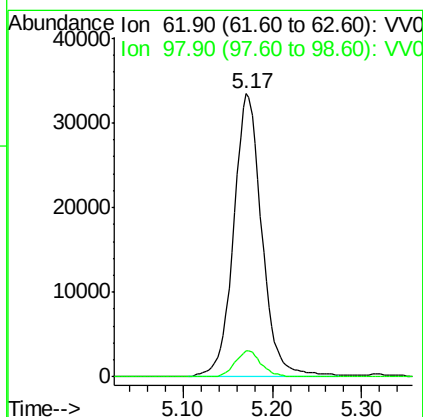
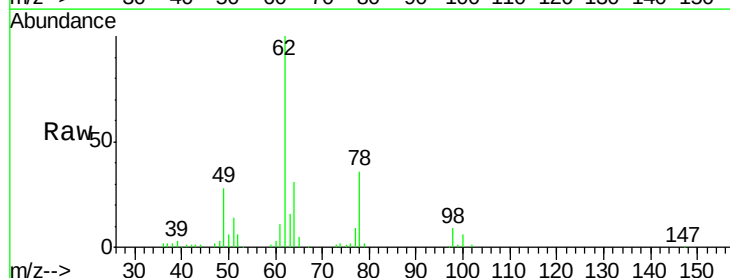
Manual Integrations
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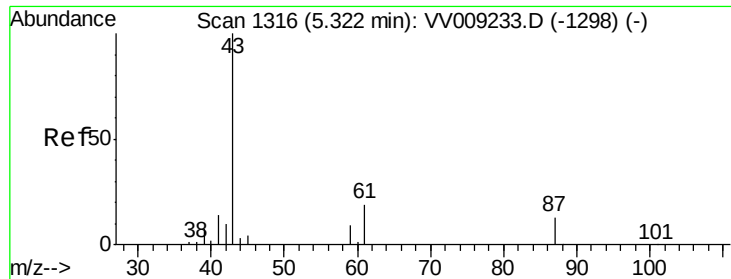
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1/24/2019 11:44:16 AM



#42
1,2-Dichloroethane
Concen: 47.048 ug/l
RT: 5.17 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion	Ion	Ratio	Lower	Upper
73745	62	100		
	98	8.4	0.0	16.4





#43

Isopropyl Acetate

Concen: 49.288 ug/l

RT: 5.32 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

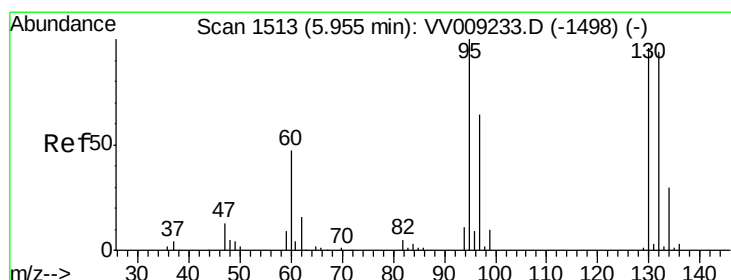
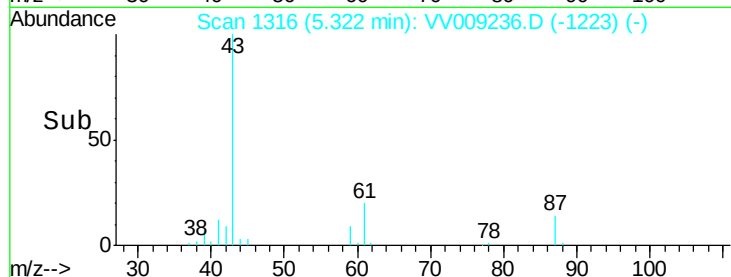
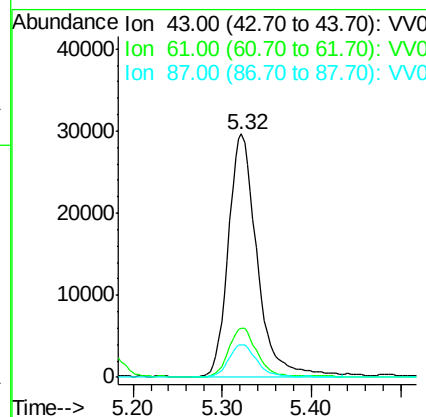
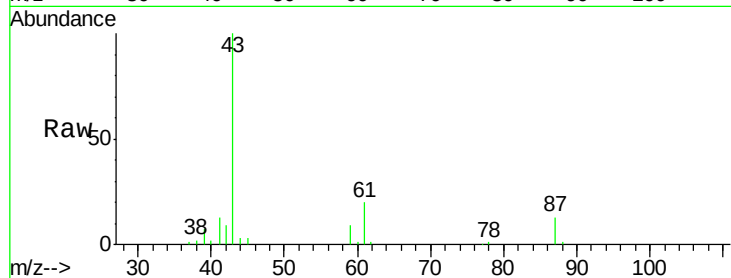
ClientSampleId :

ICVVV012219

Tot Ion:	43	Resp:	66717
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.4	23.0
87	13.2	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 48.614 ug/l

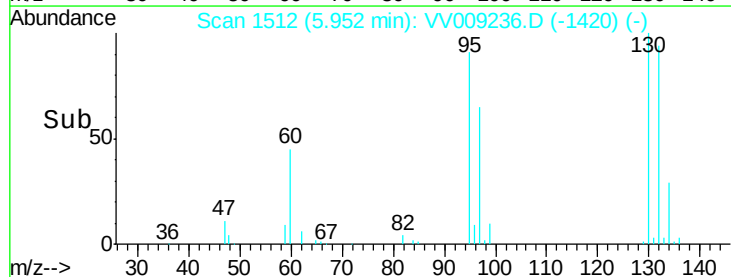
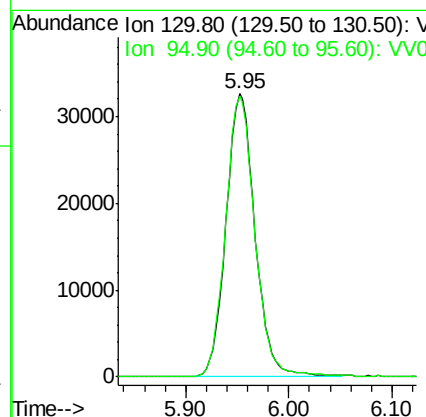
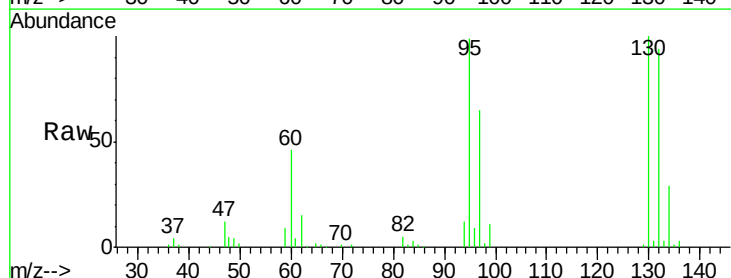
RT: 5.95 min Scan# 1512

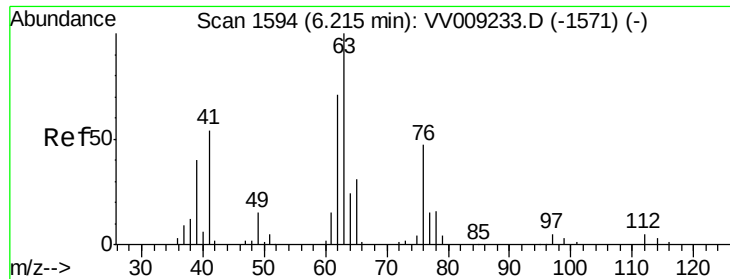
Delta R.T. -0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Tgt Ion:	130	Resp:	64069
Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	208.2





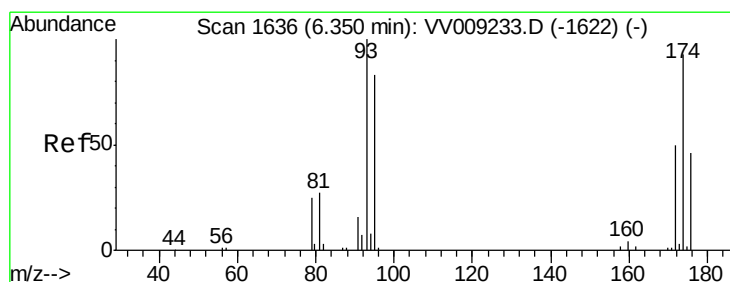
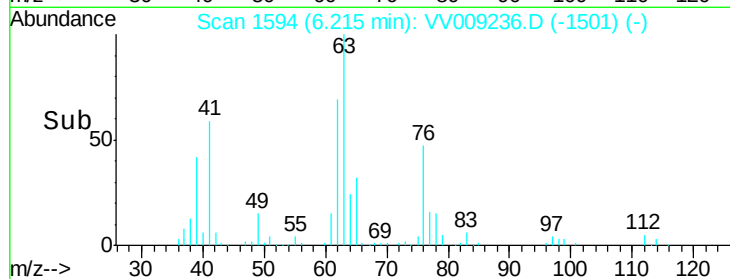
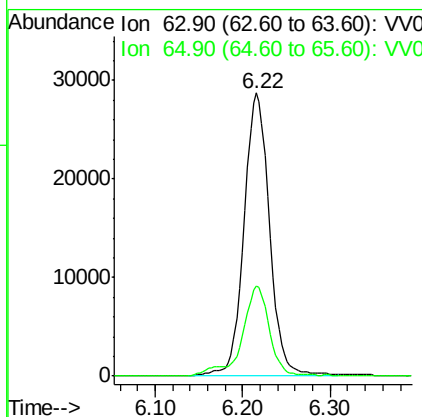
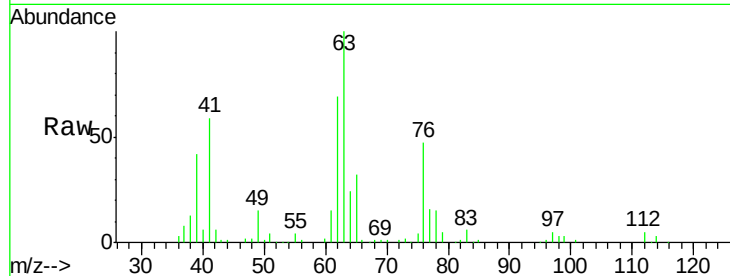
#45
 1,2-Dichloropropane
 Concen: 48.523 ug/l
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVVV012219

Tot Ion: 63 Resp: 58455
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.1 37.7

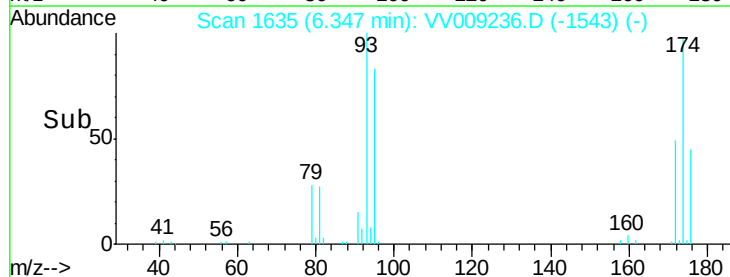
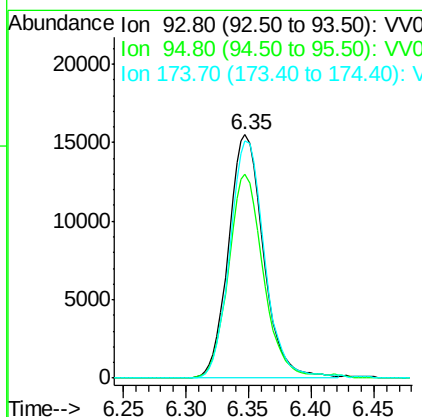
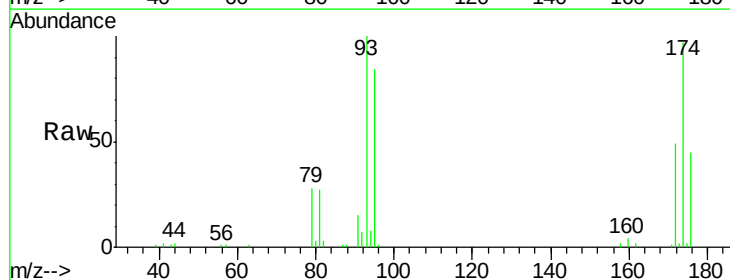
Manual Integrations
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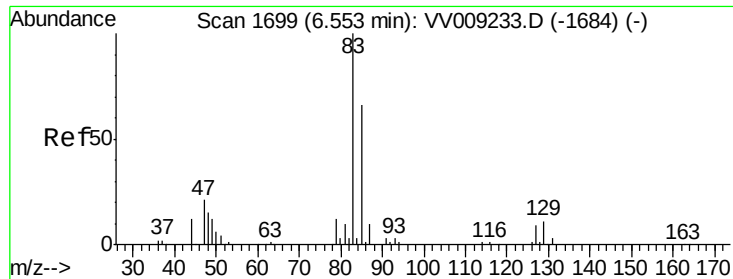
MMDadoda
 1/24/2019 11:44:16 AM



#46
 Dibromomethane
 Concen: 48.710 ug/l
 RT: 6.35 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Tgt Ion: 93 Resp: 30110
 Ion Ratio Lower Upper
 93 100
 95 83.9 64.6 97.0
 174 96.6 74.0 111.0





#47

Bromodichloromethane

Concen: 48.366 ug/l

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

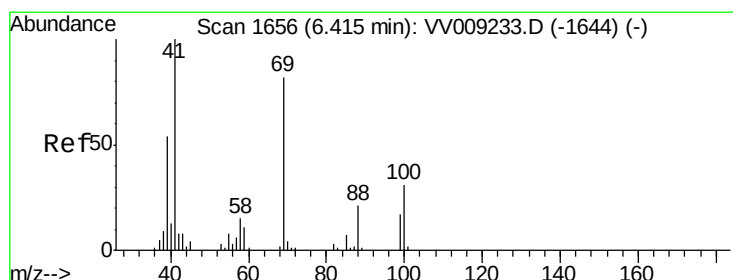
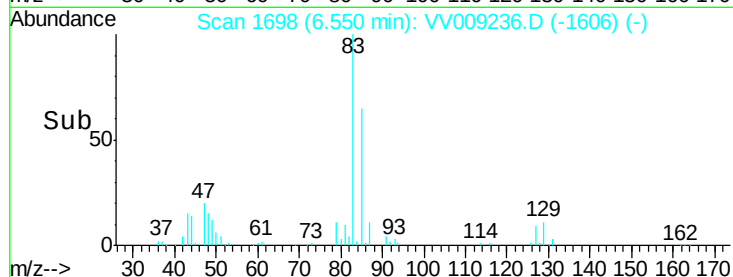
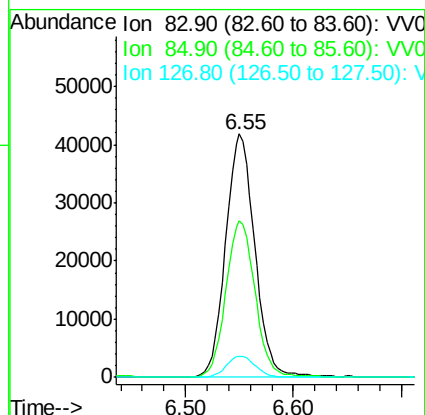
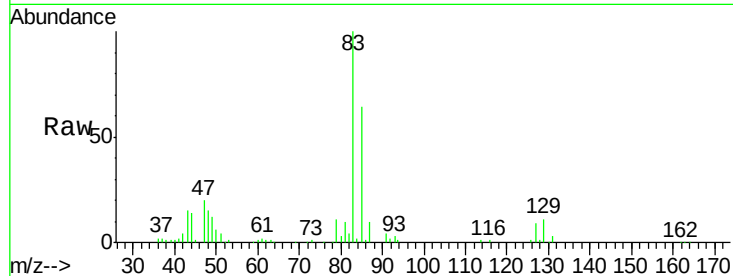
ClientSampleId :

ICVV012219

Tot Ion:	83	Resp:	79004
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.6	78.8
127	8.8	7.0	10.6

Manual Integrations
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1/24/2019 11:44:16 AM



#48

Methyl methacrylate

Concen: 48.893 ug/l

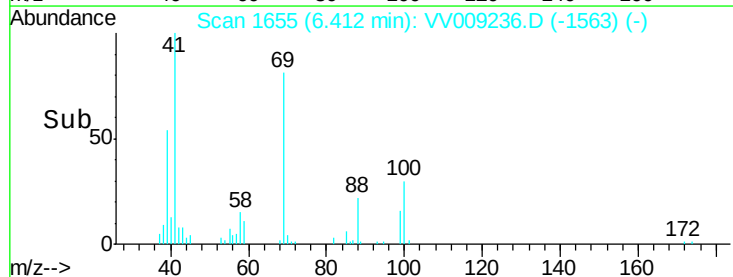
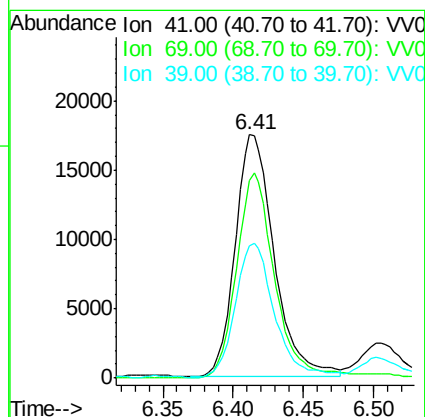
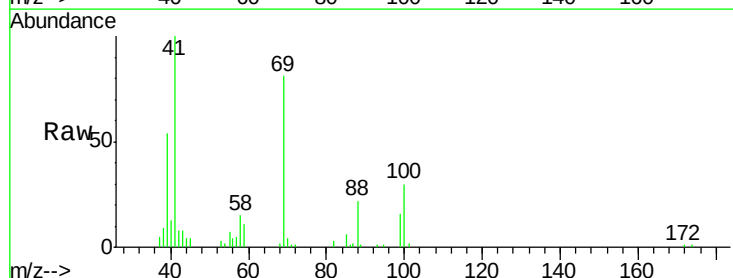
RT: 6.41 min Scan# 1655

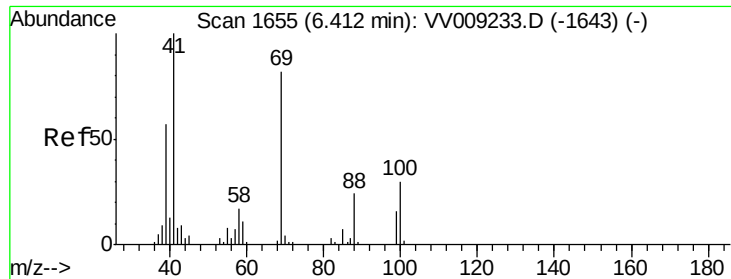
Delta R.T. -0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Tgt Ion:	41	Resp:	33772
Ion	Ratio	Lower	Upper
41	100		
69	83.1	65.8	98.6
39	56.6	43.4	65.0





#49

1,4-Dioxane

Concen: 978.901 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

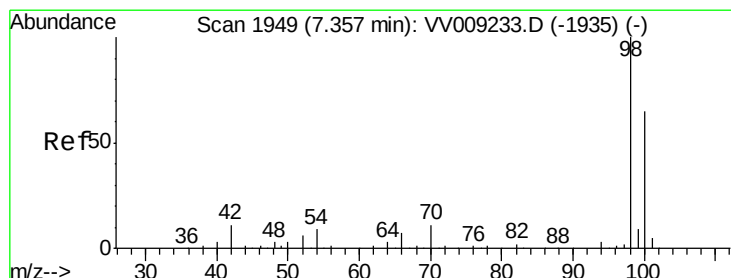
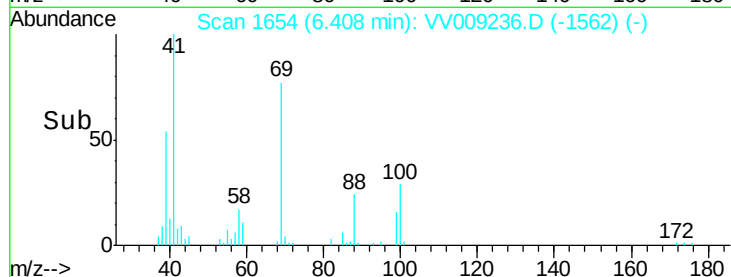
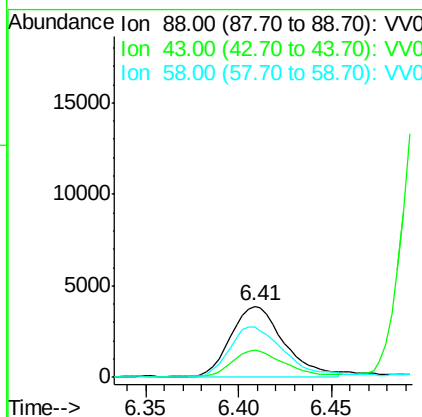
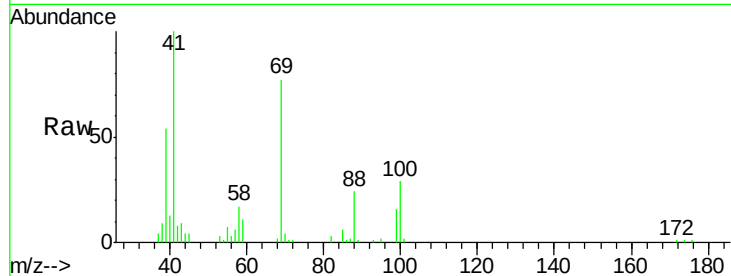
ClientSampleId :

ICVV012219

Tot Ion:	88	Resp:	7708
Ion	Ratio	Lower	Upper
88	100		
43	32.6	31.9	47.9
58	76.1	62.0	93.0

Manual Integrations
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1/24/2019 11:44:16 AM



#50

Toluene-d8

Concen: 48.847 ug/l

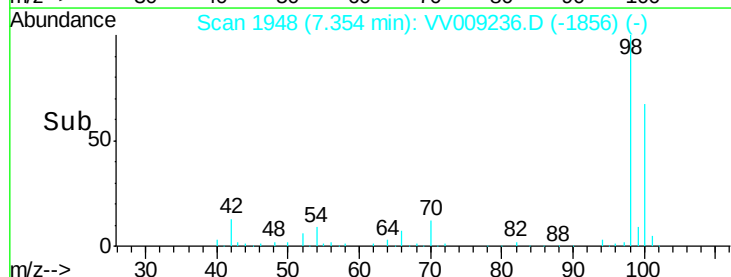
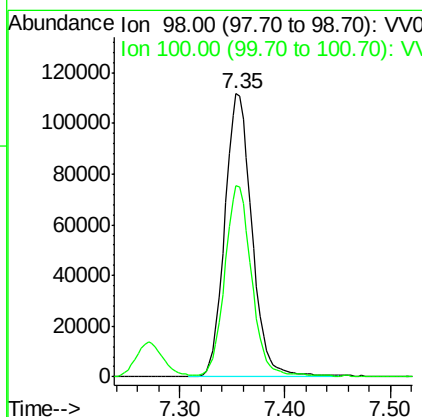
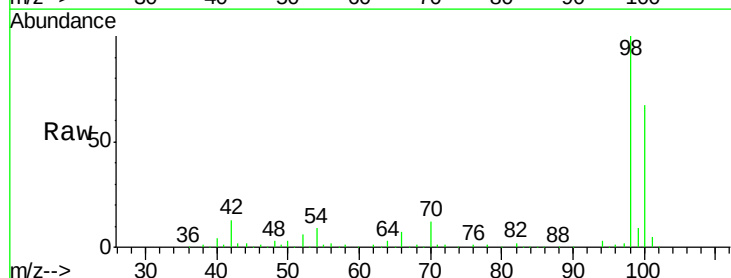
RT: 7.35 min Scan# 1948

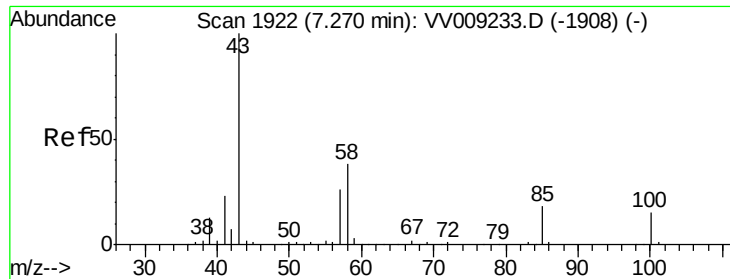
Delta R.T. -0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Tgt Ion:	98	Resp:	199522
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 249.160 ug/l

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampleId :

ICVV012219

Tot Ion: 43 Resp: 171166

Ion Ratio Lower Upper

43 100

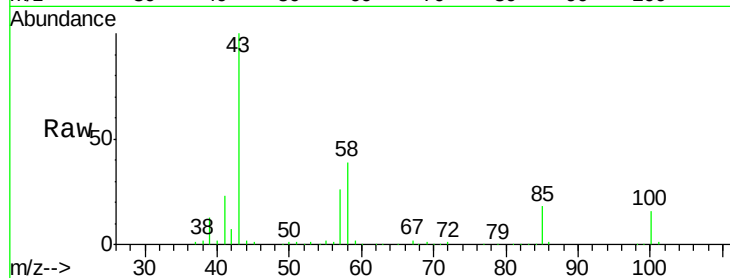
58 37.7 30.4 45.6

Manual Integrations

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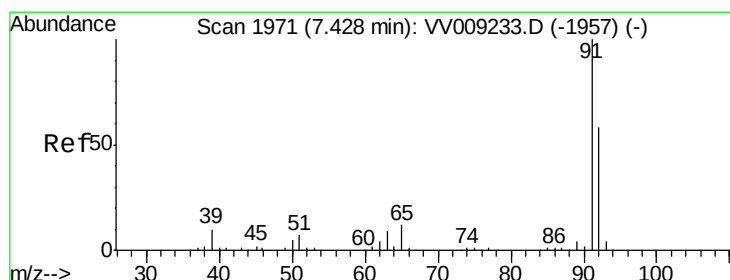
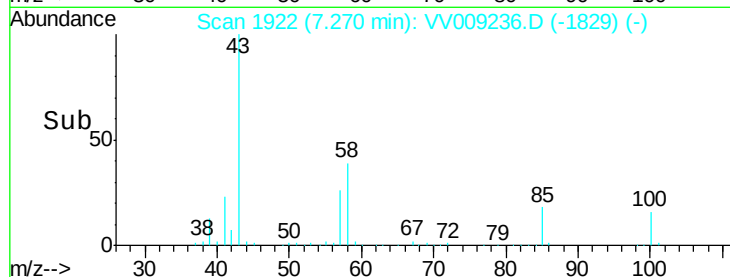
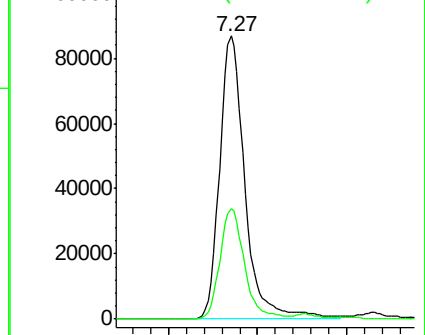
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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#52

Toluene

Concen: 48.415 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009236.D

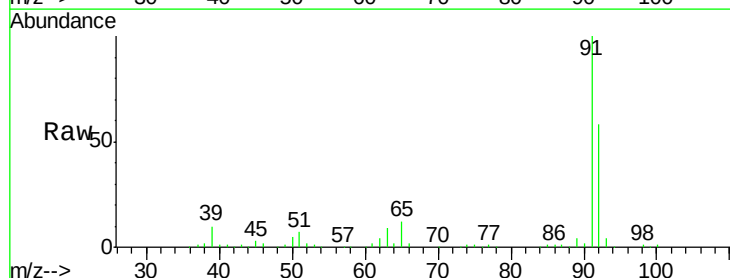
Acq: 22 Jan 2019 15:29

Tgt Ion: 92 Resp: 153382

Ion Ratio Lower Upper

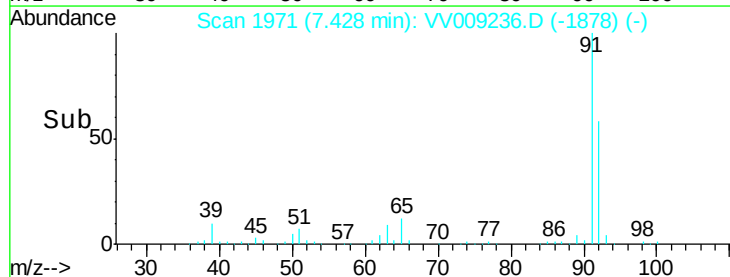
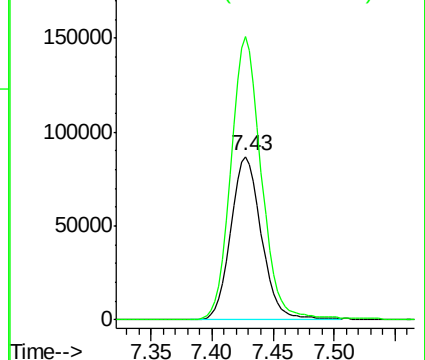
92 100

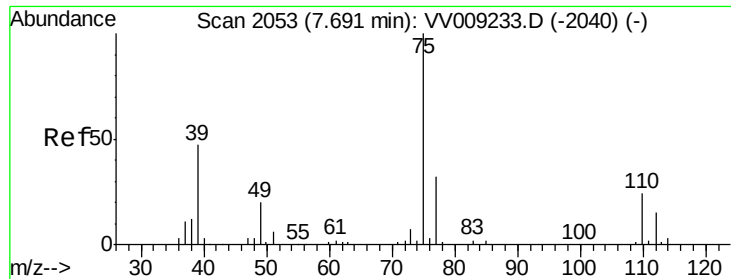
91 171.6 137.2 205.8



Abundance Ion 92.00 (91.70 to 92.70): VV0

Ion 91.00 (90.70 to 91.70): VV0





#53

t-1,3-Dichloropropene

Concen: 50.261 ug/l

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampleId :

ICVVV012219

Tot Ion: 75 Resp: 79906

Ion Ratio Lower Upper

75 100

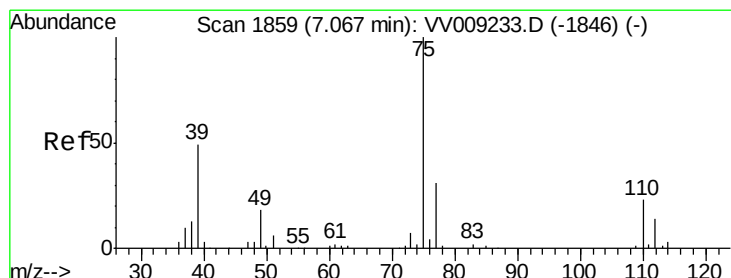
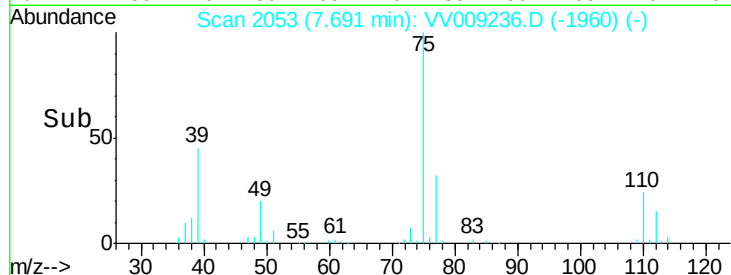
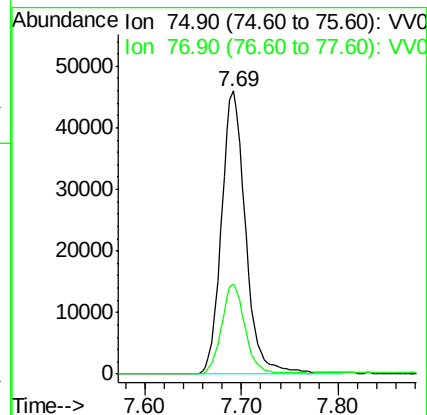
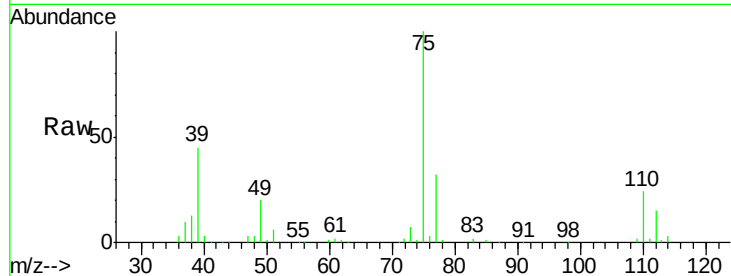
77 31.8 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.161 ug/l

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

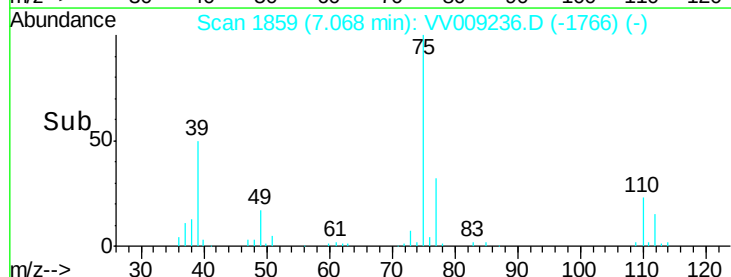
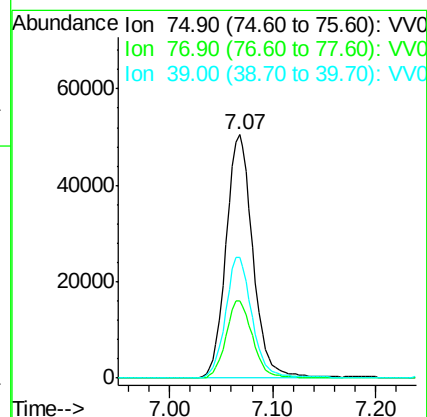
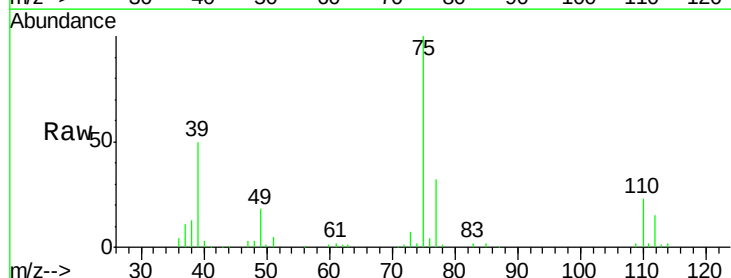
Tgt Ion: 75 Resp: 91828

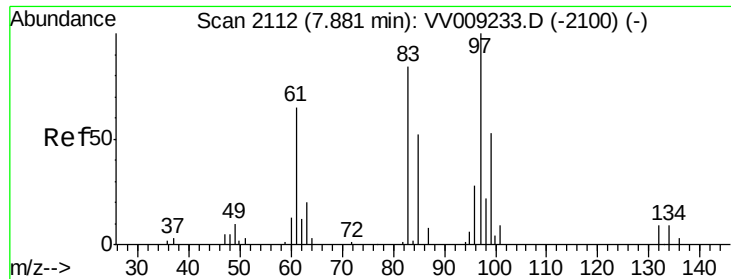
Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

39 49.7 38.8 58.2





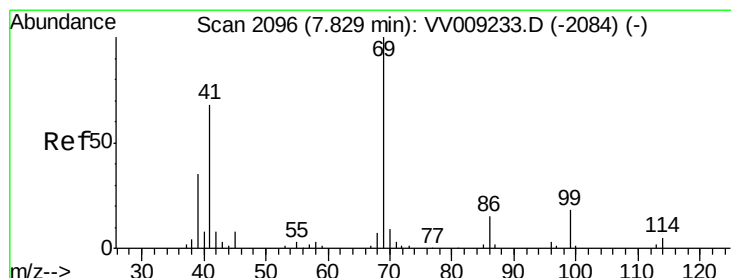
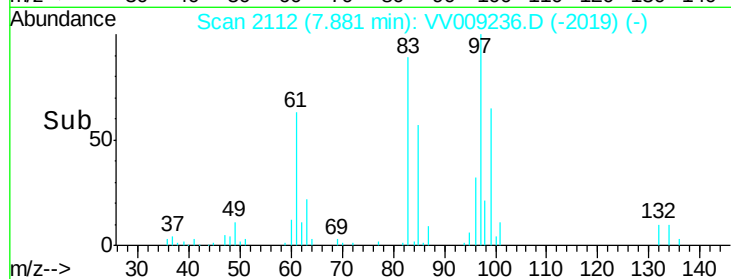
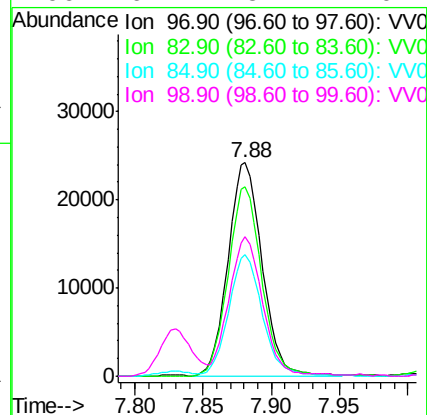
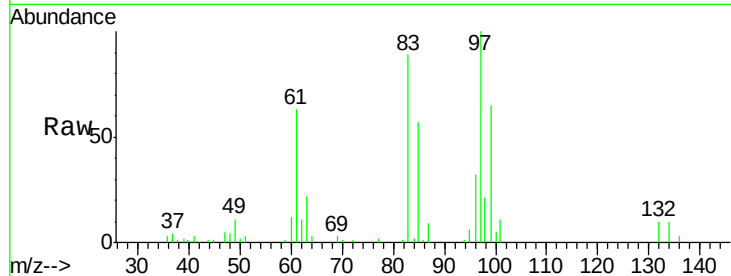
#55
 1,1,2-Trichloroethane
 Concen: 48.445 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012219

Tot Ion:	97	Resp:	42193
Ion	Ratio	Lower	Upper
97	100		
83	89.0	67.4	101.0
85	56.1	42.6	64.0
99	64.2	51.1	76.7

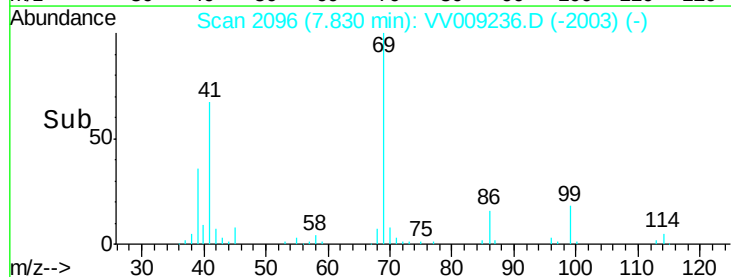
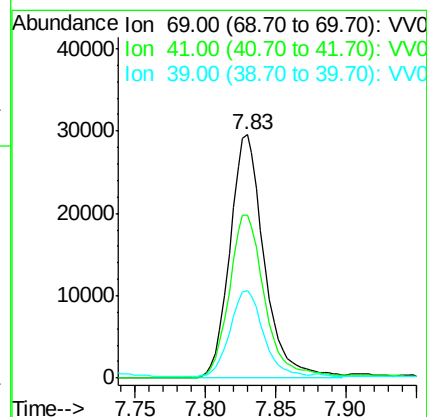
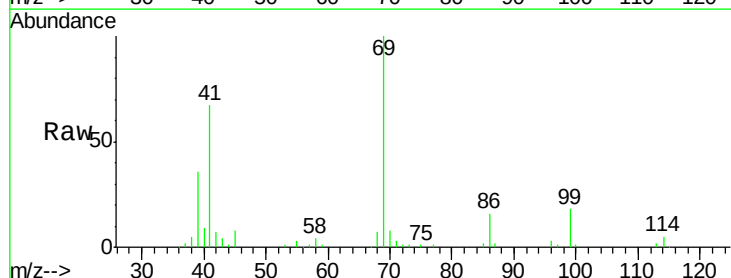
Manual Integrations
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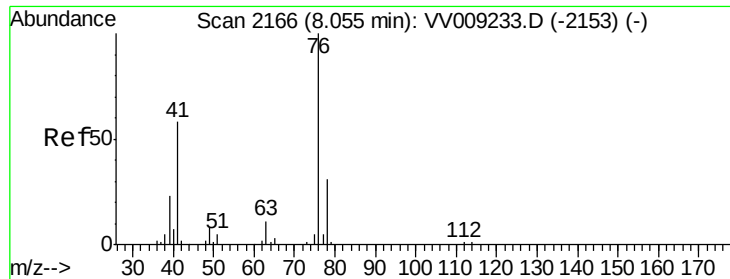
MMDadoda
 1/24/2019 11:44:16 AM



#56
 Ethyl methacrylate
 Concen: 49.682 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Tgt Ion:	69	Resp:	50413
Ion	Ratio	Lower	Upper
69	100		
41	69.6	54.0	81.0
39	34.2	26.8	40.2





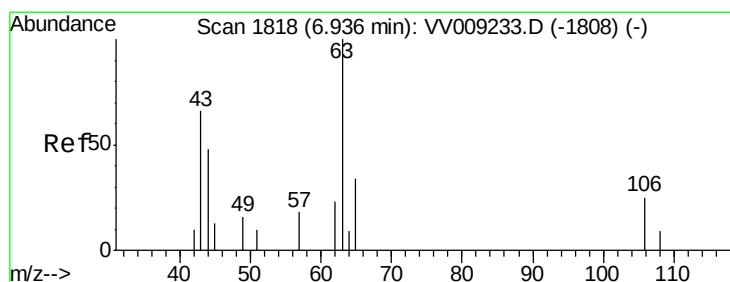
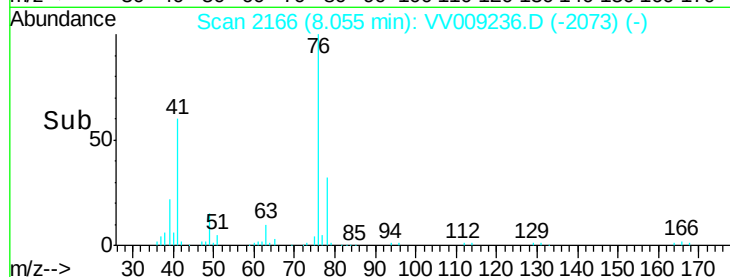
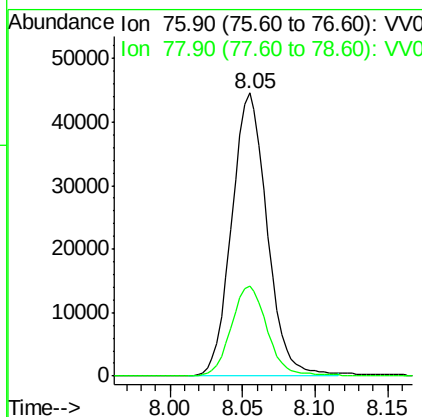
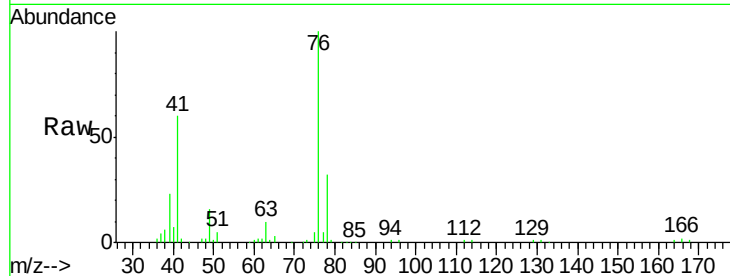
#57
 1,3-Dichloropropane
 Concen: 47.949 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012219

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

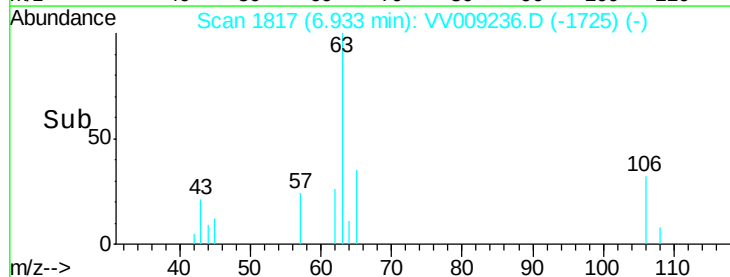
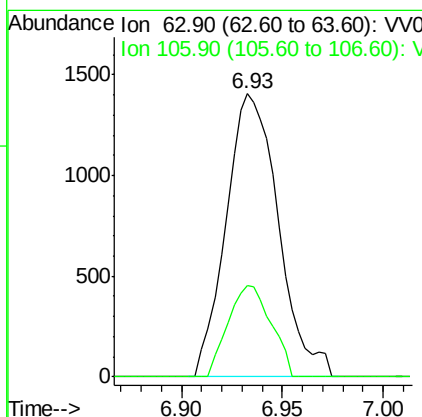
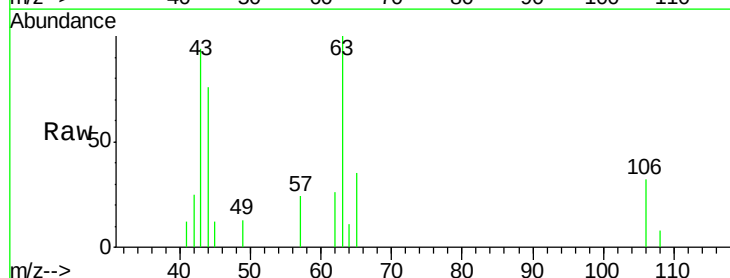
Manual Integrations
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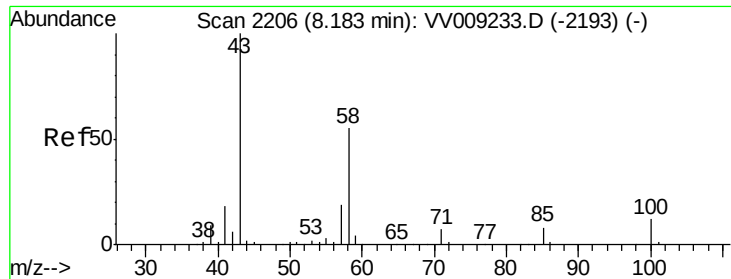
MMDadoda
 1/24/2019 11:44:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 160.685 ug/l
 RT: 6.93 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	19.0	28.6





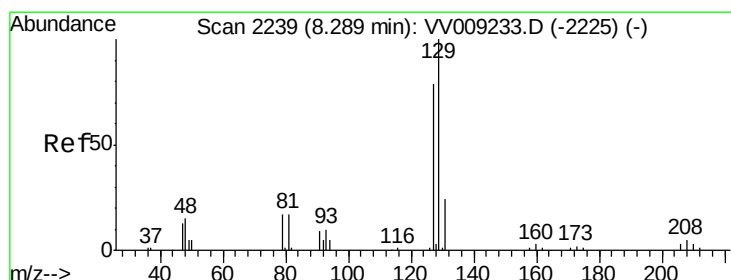
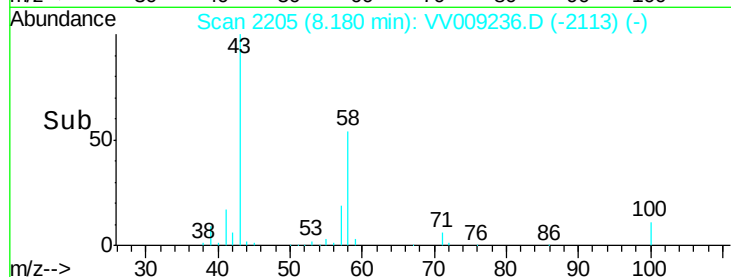
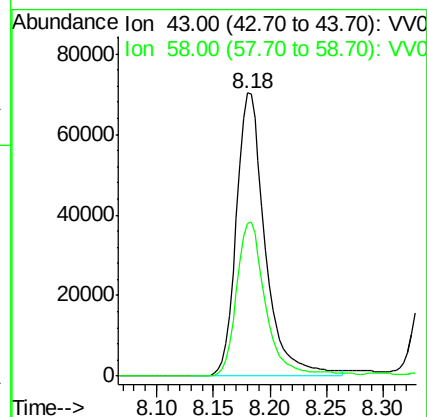
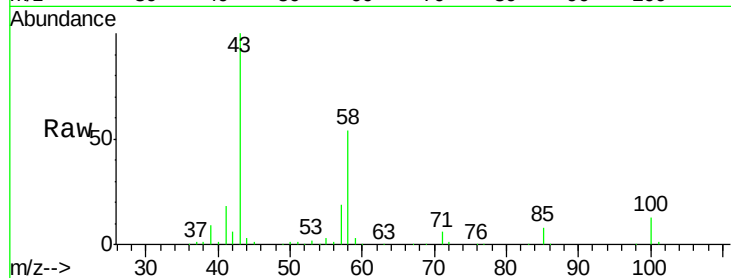
#59
2-Hexanone
Concen: 252.450 ug/l
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

Tot Ion: 43 Resp: 125436
Ion Ratio Lower Upper
43 100
58 55.2 27.5 82.5

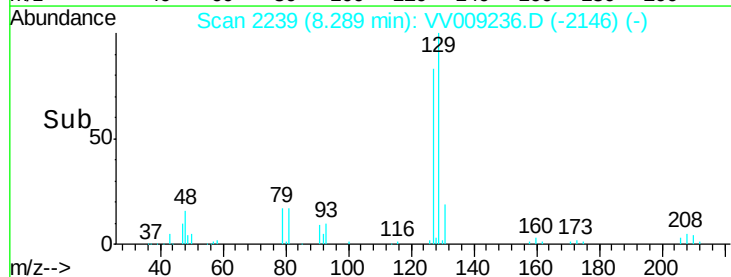
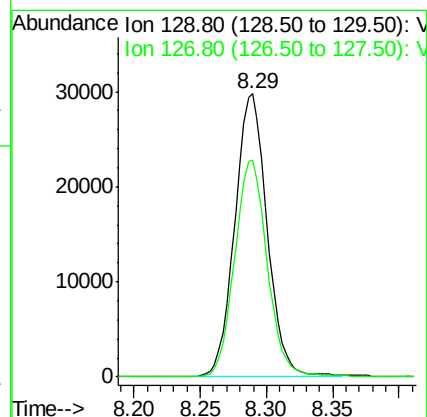
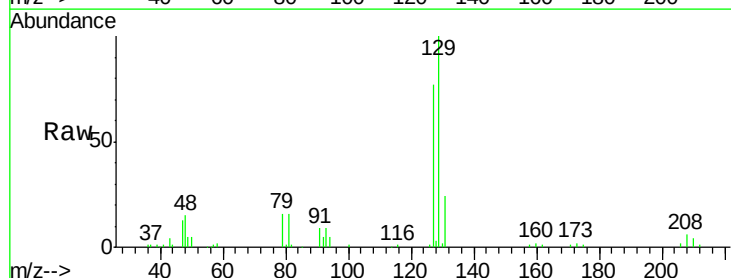
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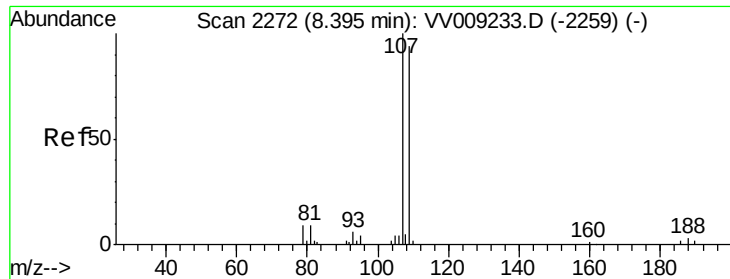
MMDadoda
1/24/2019 11:44:16 AM



#60
Dibromochloromethane
Concen: 49.656 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion:129 Resp: 50637
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.4





#61

1,2-Dibromoethane

Concen: 49.121 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampleId :

ICVV012219

Tot Ion:107 Resp: 41837

Ion Ratio Lower Upper

107 100

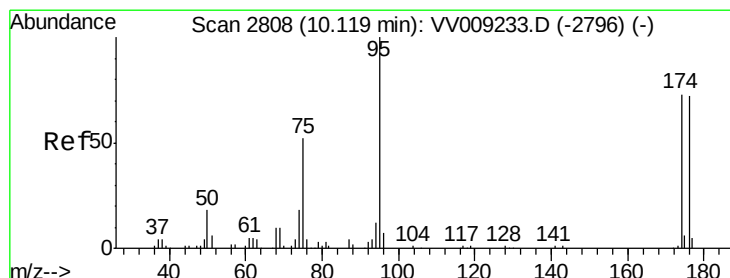
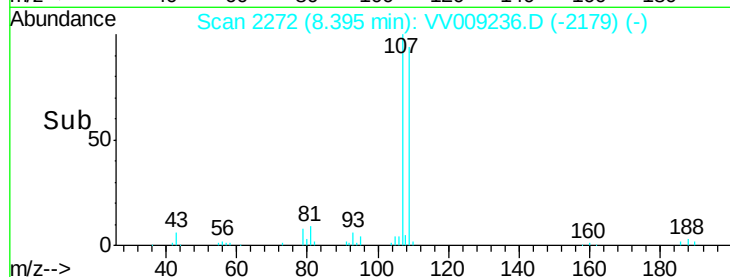
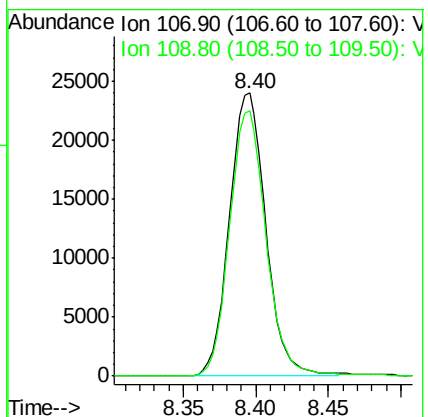
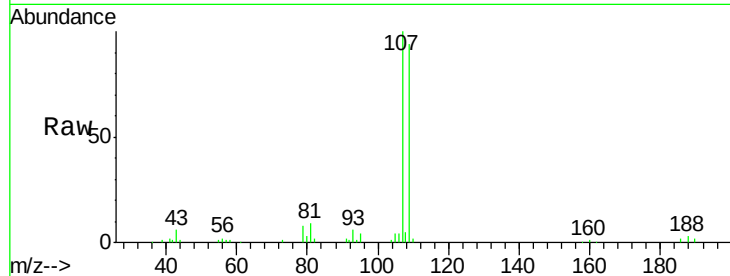
109 94.1 76.2 114.2

Manual Integrations

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1/24/2019 11:44:16 AM



#62

4-Bromofluorobenzene

Concen: 49.042 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

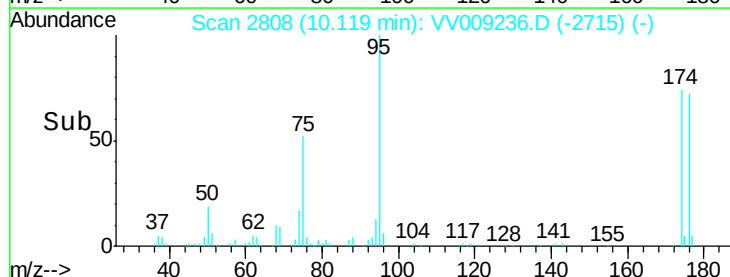
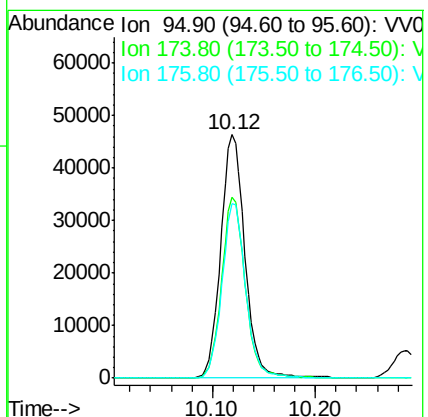
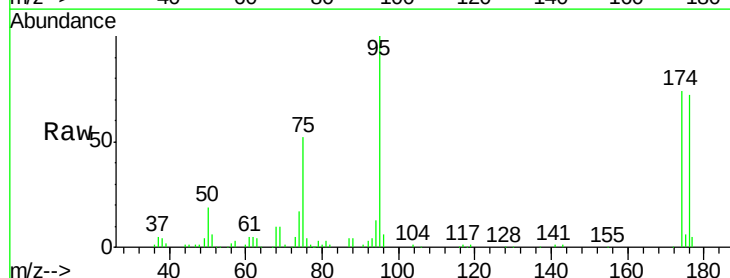
Tgt Ion: 95 Resp: 75483

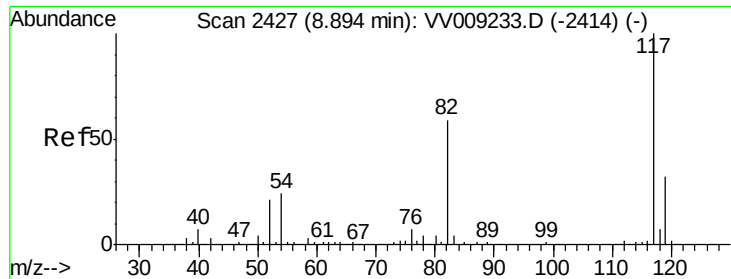
Ion Ratio Lower Upper

95 100

174 72.5 0.0 148.2

176 70.6 0.0 143.0





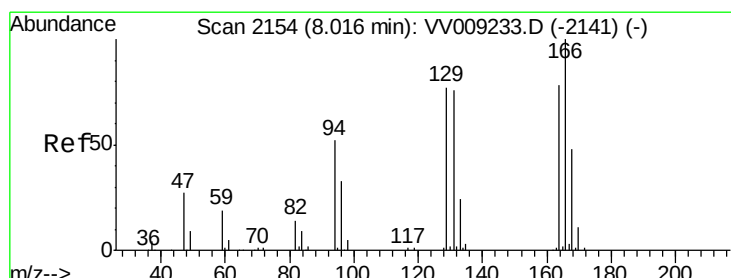
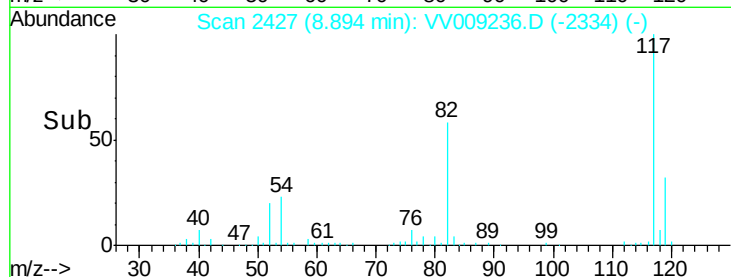
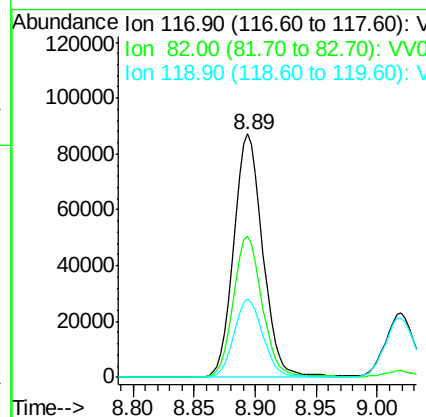
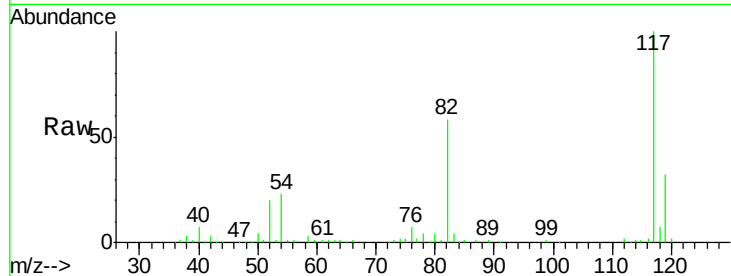
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

Tot Ion	Ratio	Resp	Lower	Upper
117	100	144891		
82	58.1	47.0	70.6	
119	32.1	25.4	38.2	

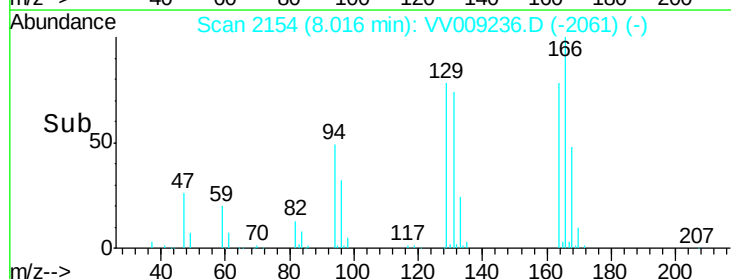
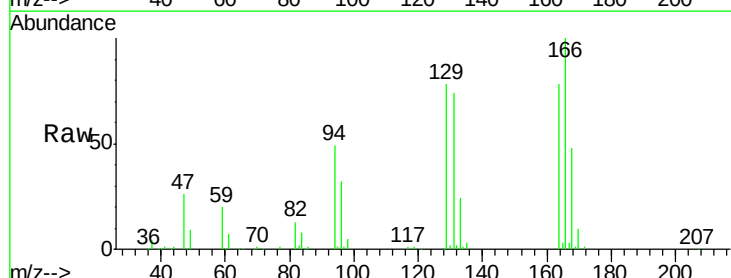
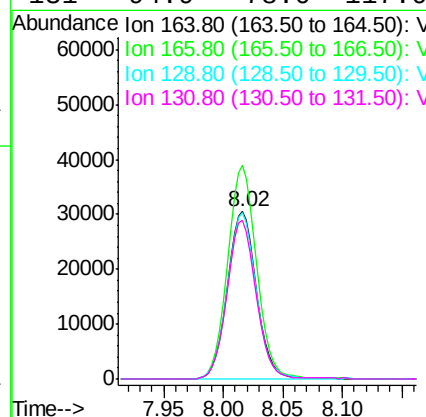
Manual Integrations
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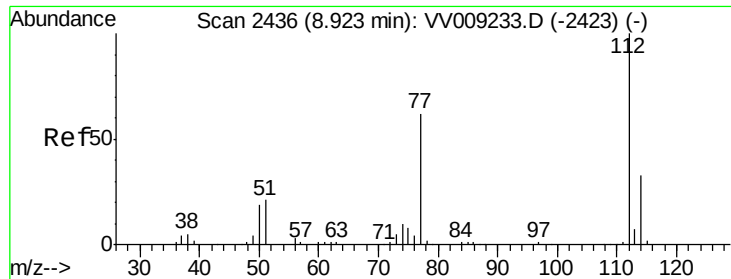
MMDadoda
1/24/2019 11:44:16 AM



#64
Tetrachloroethene
Concen: 50.200 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51760		
166	127.6	102.1	153.1	
129	99.6	78.1	117.1	
131	94.9	78.0	117.0	





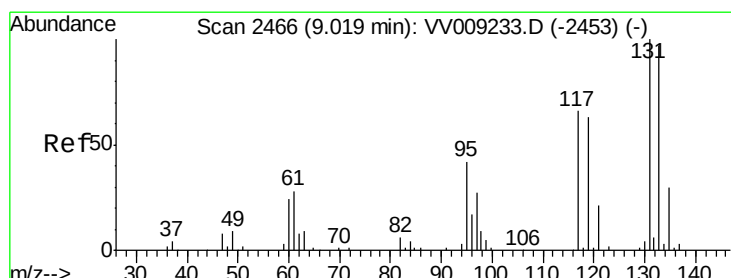
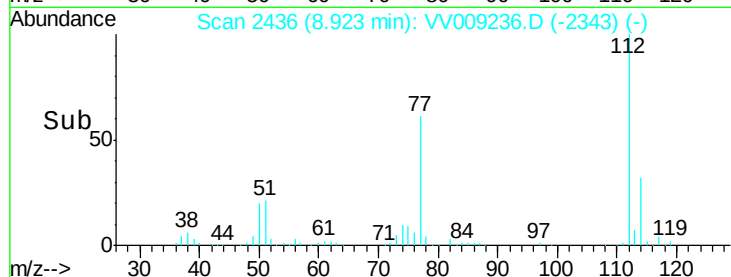
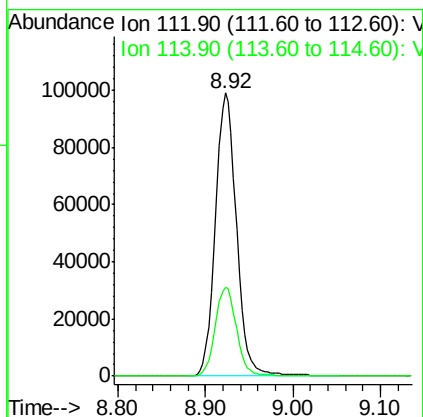
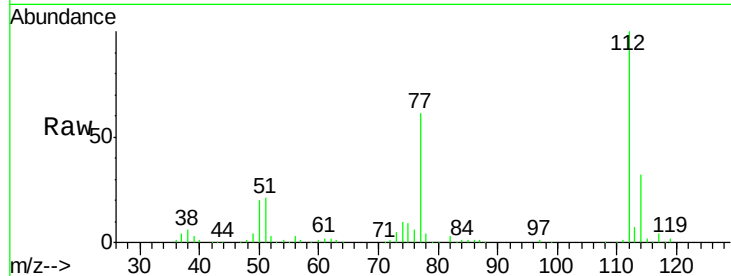
#65
Chlorobenzene
Concen: 49.444 ug/l
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

Tot Ion:112 Resp: 166668
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0

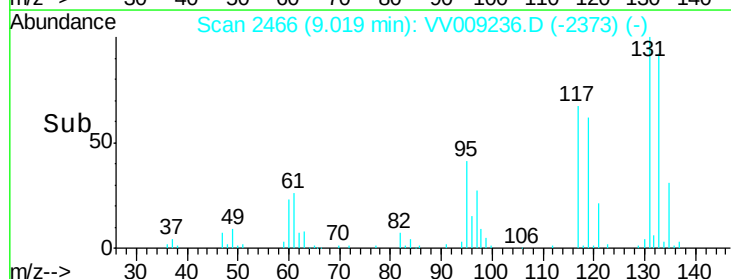
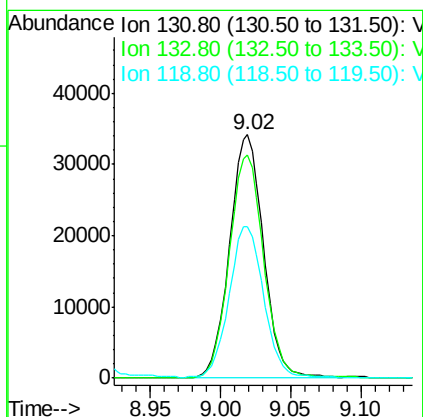
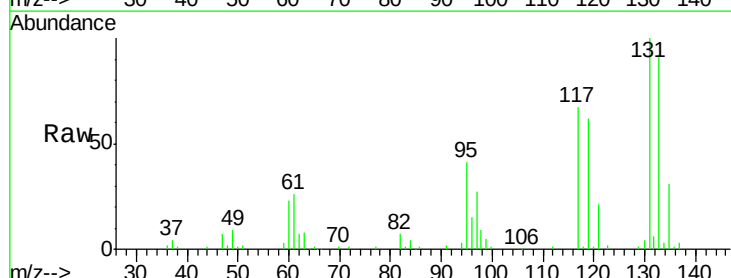
Manual Integrations
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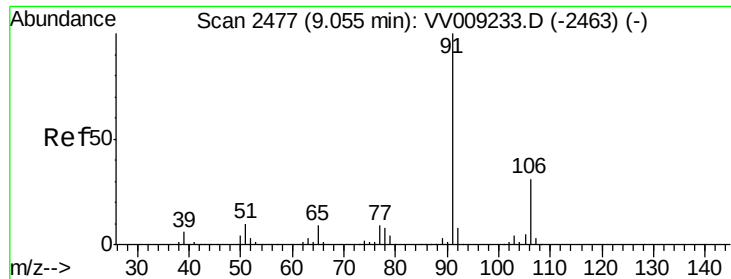
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.906 ug/l
RT: 9.02 min Scan# 2466
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion:131 Resp: 57493
Ion Ratio Lower Upper
131 100
133 94.0 48.3 144.9
119 64.0 31.2 93.6





#67

Ethyl Benzene

Concen: 49.816 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampleId :

ICVV012219

Tot Ion: 91 Resp: 299155

Ion Ratio Lower Upper

91 100

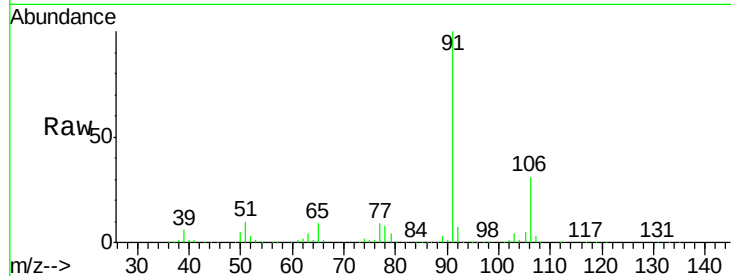
106 30.8 24.6 37.0

Manual Integrations

APPROVED

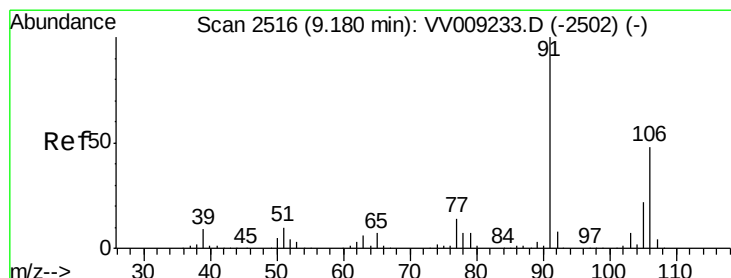
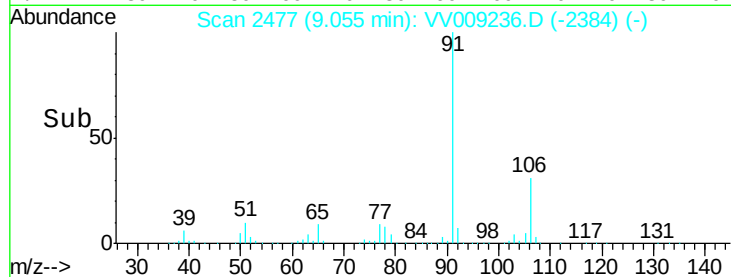
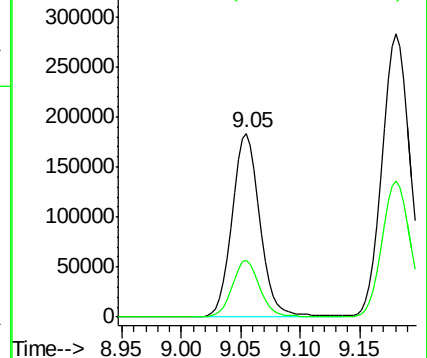
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.623 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009236.D

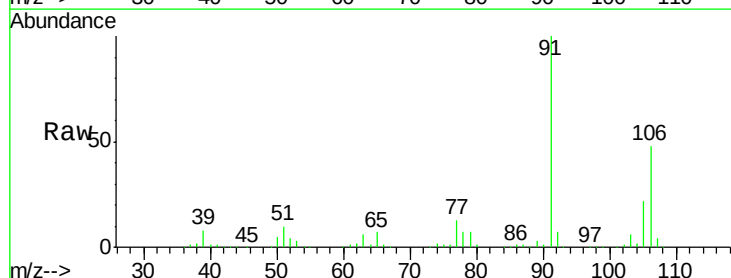
Acq: 22 Jan 2019 15:29

Tgt Ion: 106 Resp: 229399

Ion Ratio Lower Upper

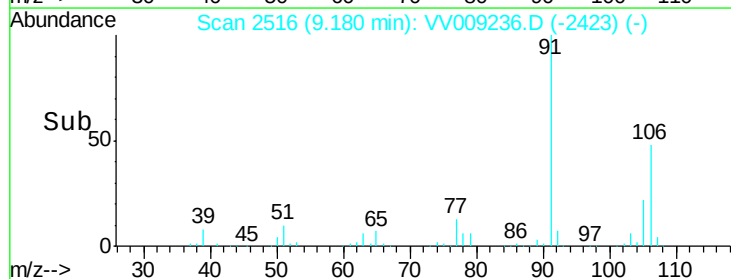
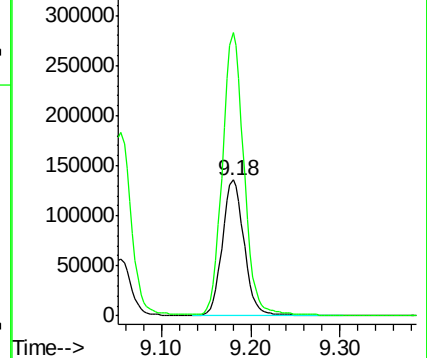
106 100

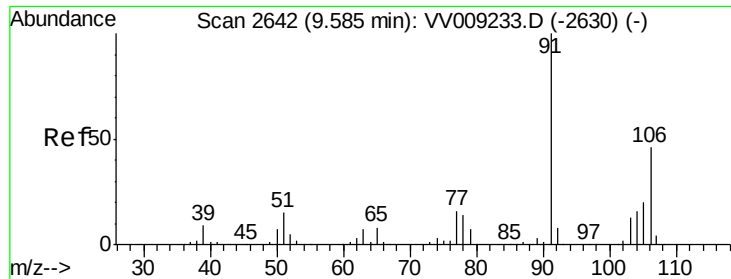
91 206.8 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





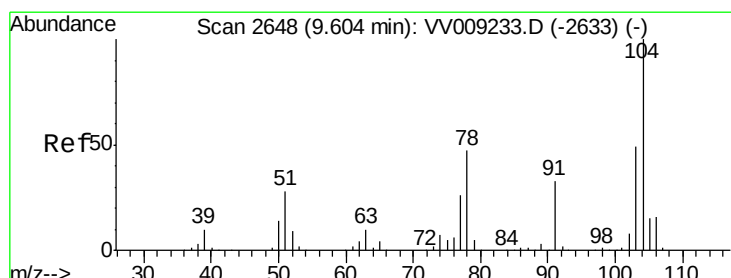
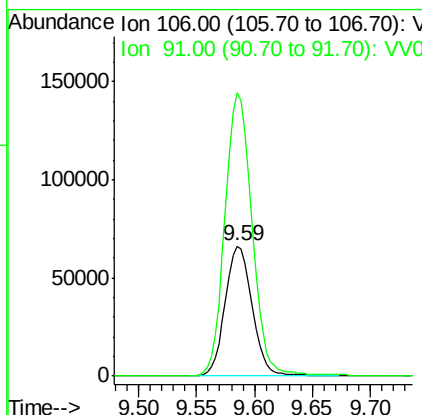
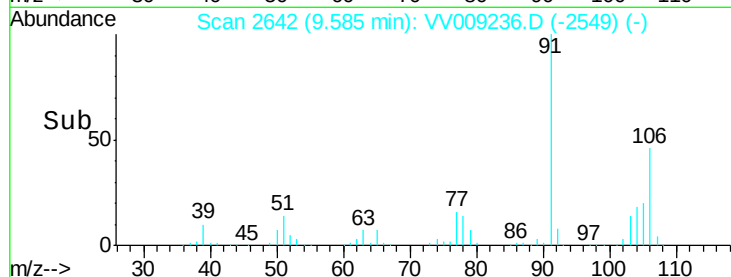
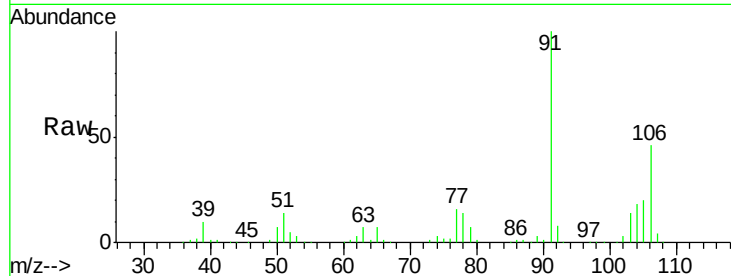
#69
o-Xylene
Concen: 50.841 ug/l
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVVV012219

Tot Ion:106 Resp: 107459
Ion Ratio Lower Upper
106 100
91 216.9 109.3 327.8

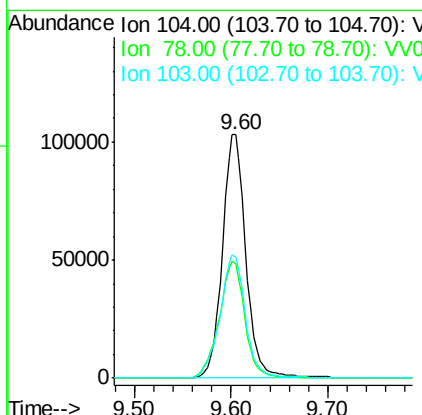
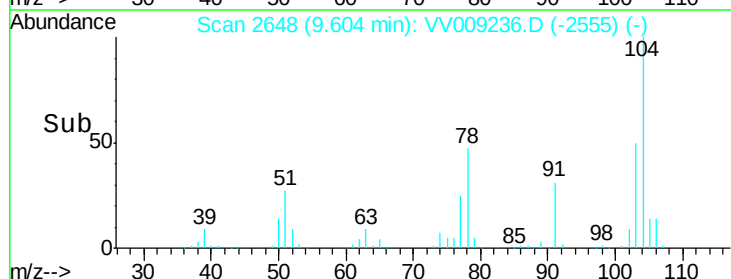
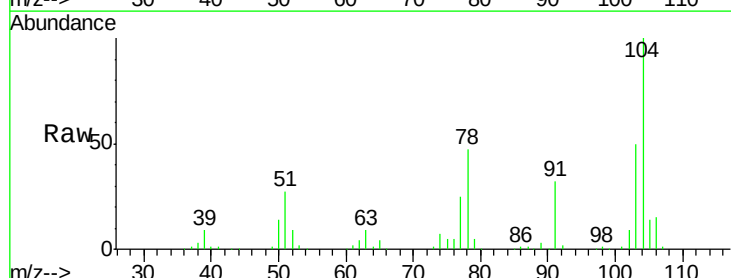
Manual Integrations
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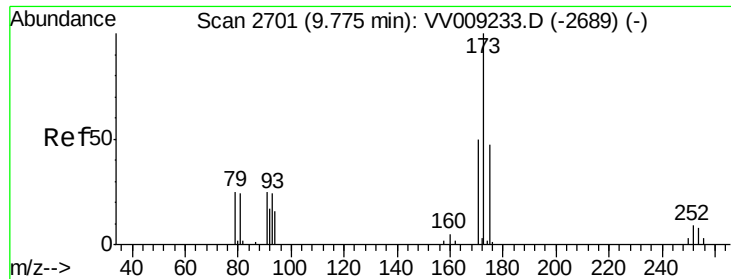
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#70
Styrene
Concen: 51.475 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion:104 Resp: 173638
Ion Ratio Lower Upper
104 100
78 52.5 43.1 64.7
103 55.1 43.8 65.8





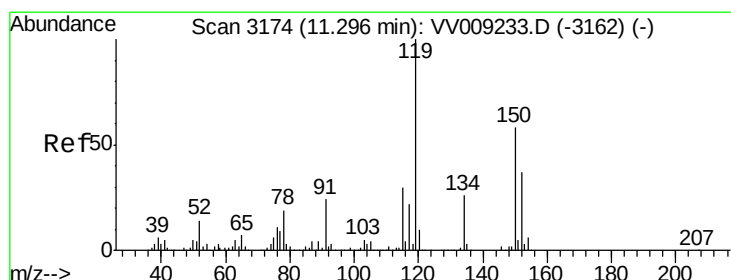
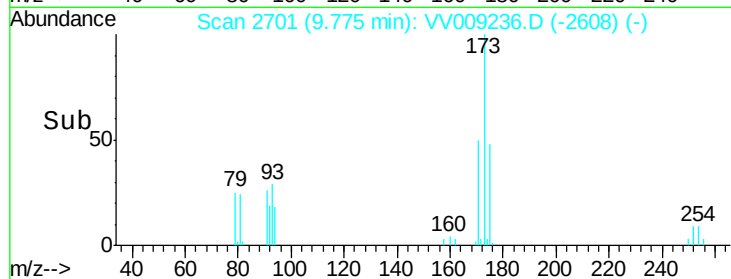
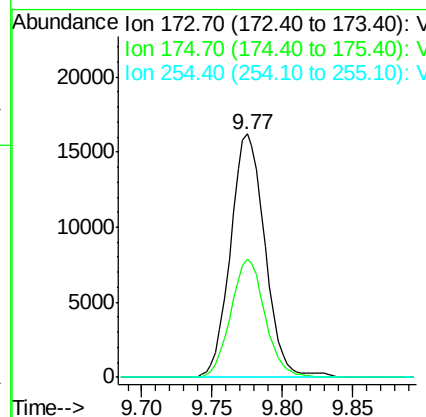
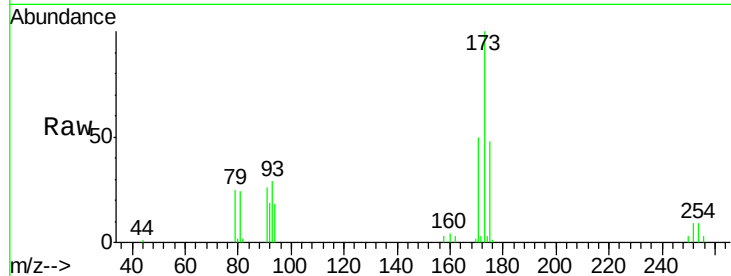
#71
Bromoform
Concen: 50.895 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.4	70.0
254	0.0	0.0	0.0

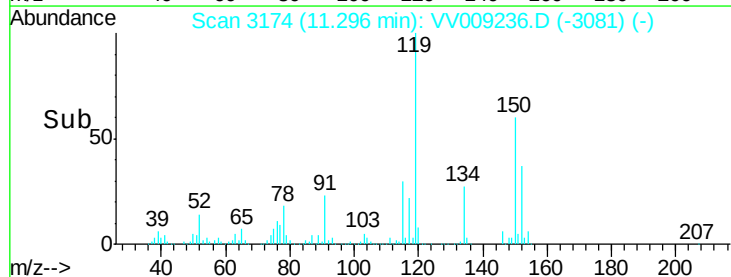
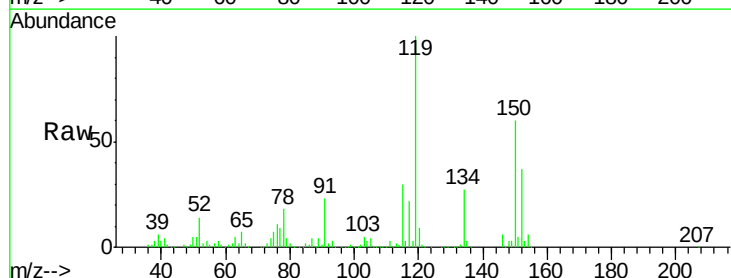
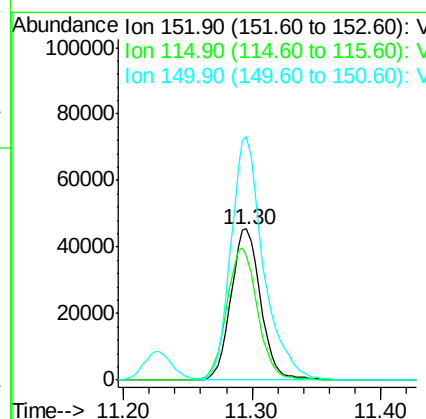
Manual Integrations
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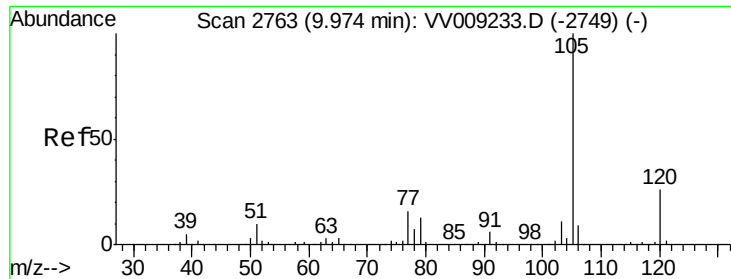
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	91.1	45.0	134.8
150	176.4	0.0	346.4





#73

Isopropylbenzene

Concen: 50.857 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

ClientSampleId :

ICVV012219

Tot Ion: 105 Resp: 304983

Ion Ratio Lower Upper

105 100

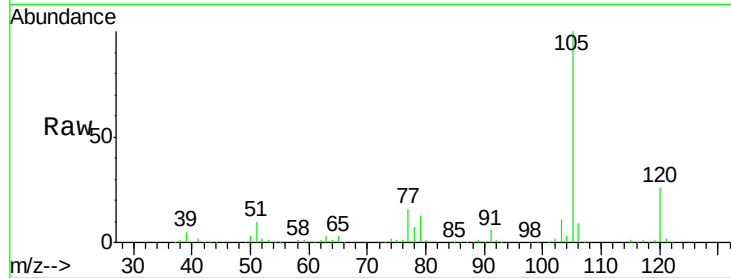
120 25.9 12.9 38.7

Manual Integrations

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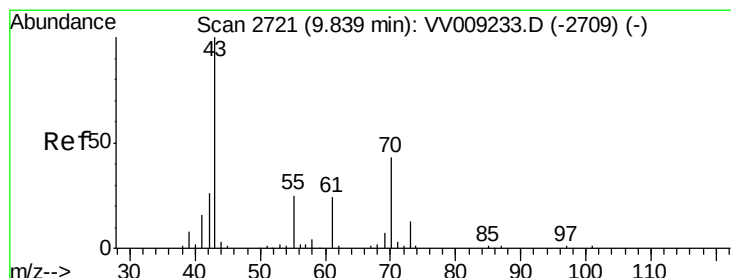
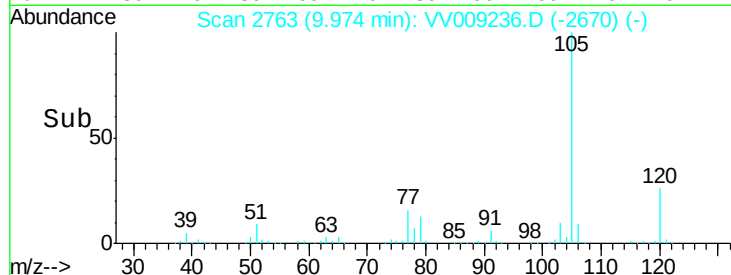
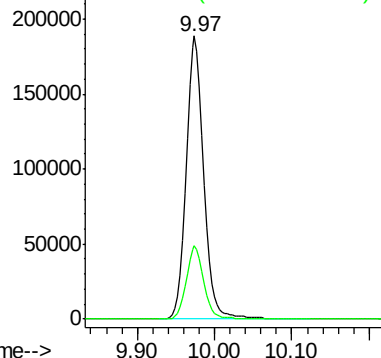
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.656 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Tgt Ion: 43 Resp: 58393

Ion Ratio Lower Upper

43 100

70 43.3 33.0 49.6

55 23.9 18.7 28.1

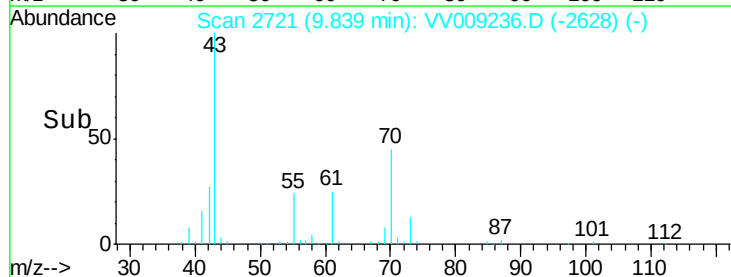
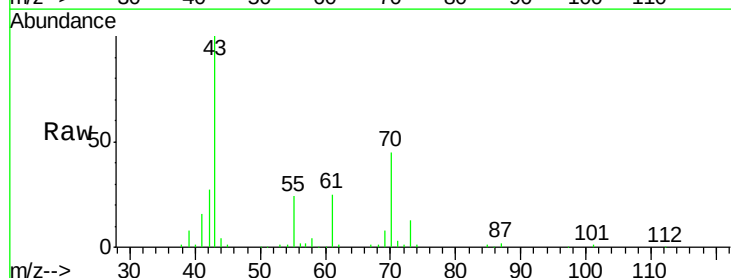
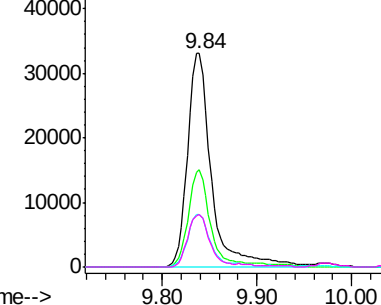
61 22.4 18.0 27.0

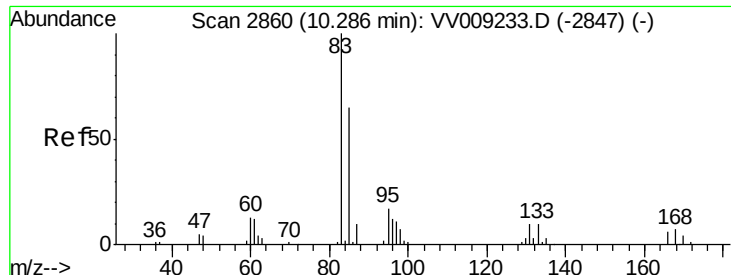
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.721 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

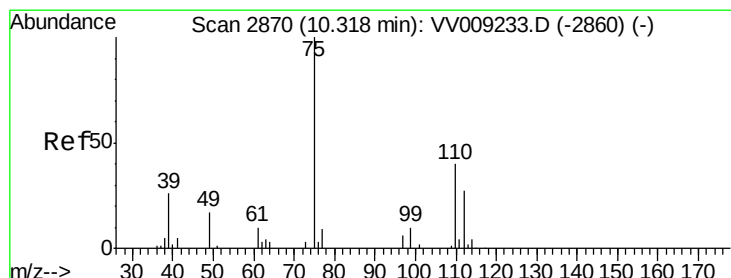
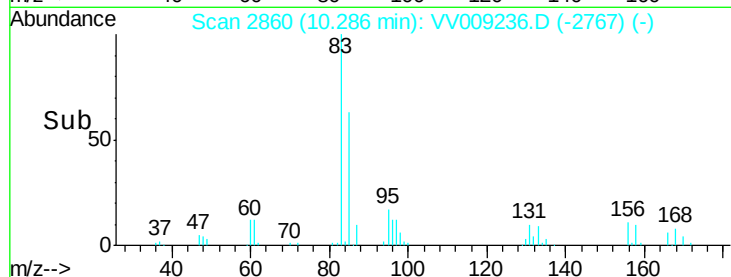
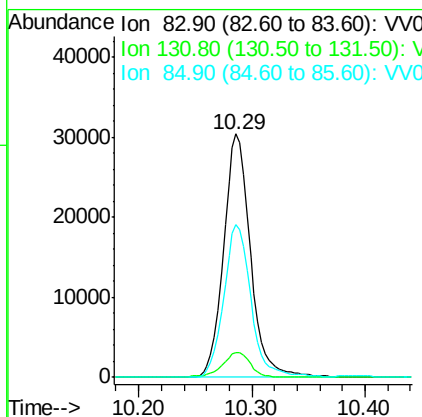
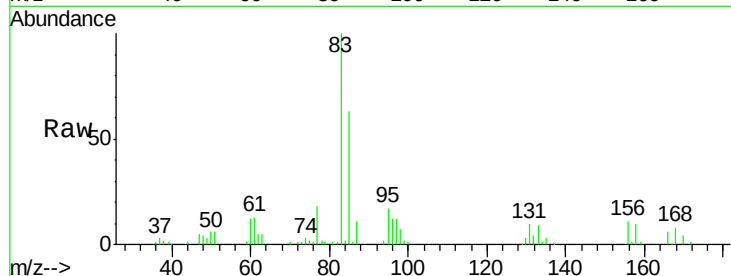
ClientSampleId :

ICVV012219

Tot Ion:	83	Resp:	50268
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.3
85	63.8	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.905 ug/l m

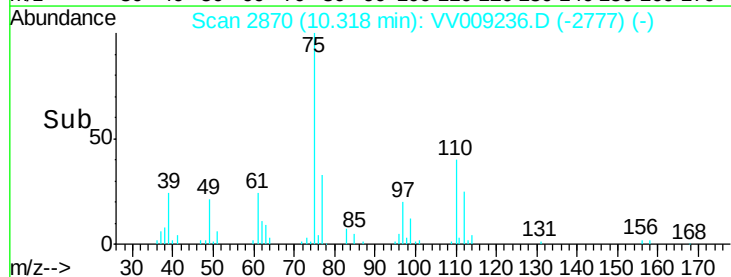
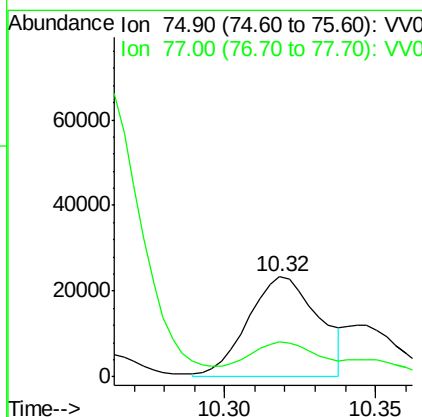
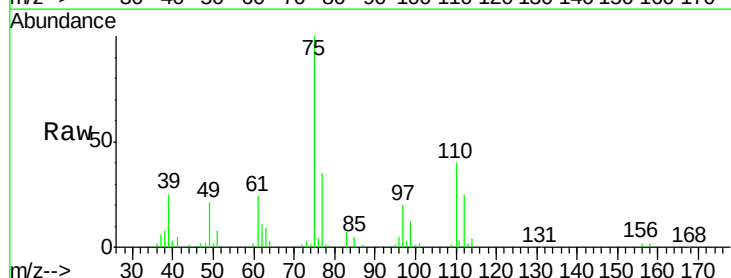
RT: 10.32 min Scan# 2870

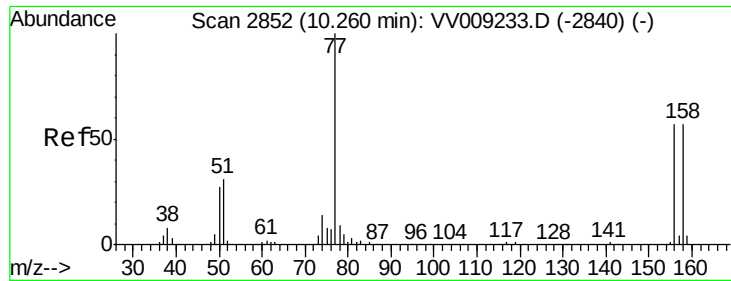
Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Tgt Ion:	75	Resp:	38089
Ion Ratio	Lower	Upper	
75	100		
77	14.1	24.6	73.8#





#77

Bromobenzene

Concen: 49.821 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

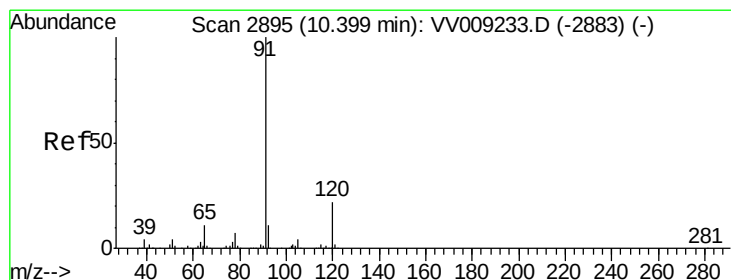
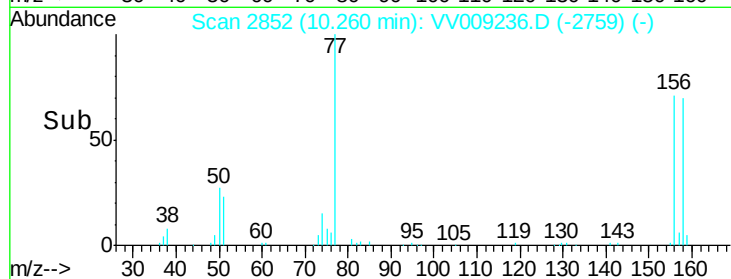
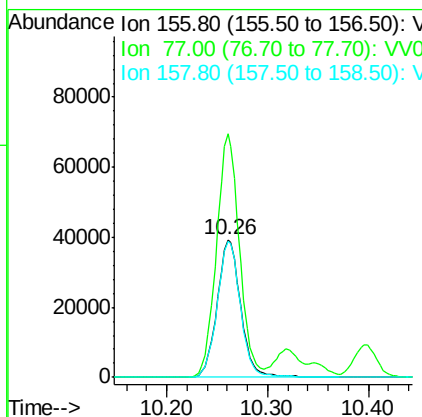
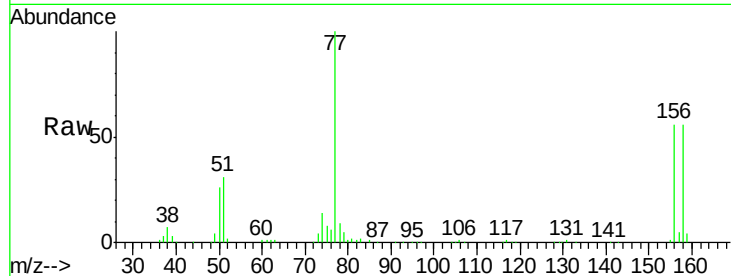
ClientSampleId :

ICVV012219

Tot Ion	156	Resp	63905
Ion Ratio	Lower	Upper	
156	100		
77	172.1	86.0	258.0
158	97.8	49.8	149.3

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#78

n-propylbenzene

Concen: 50.107 ug/l

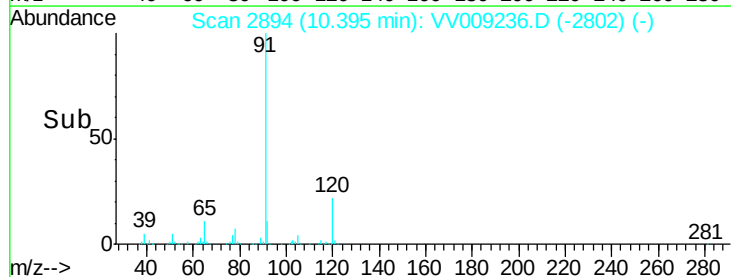
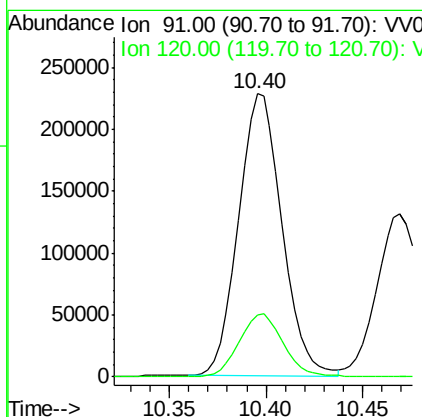
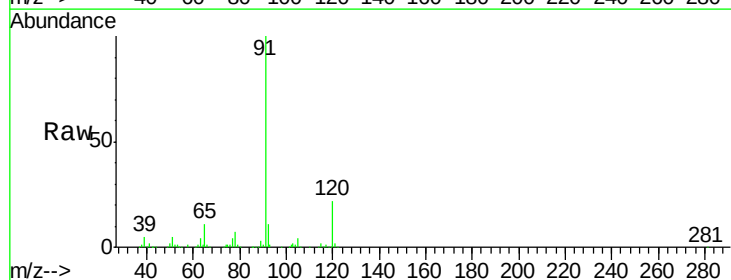
RT: 10.40 min Scan# 2894

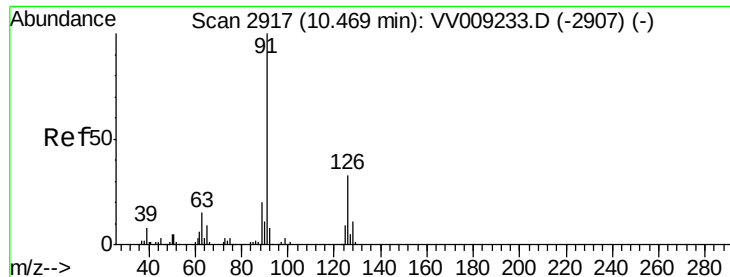
Delta R.T. -0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Tgt Ion	91	Resp	356225
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.4





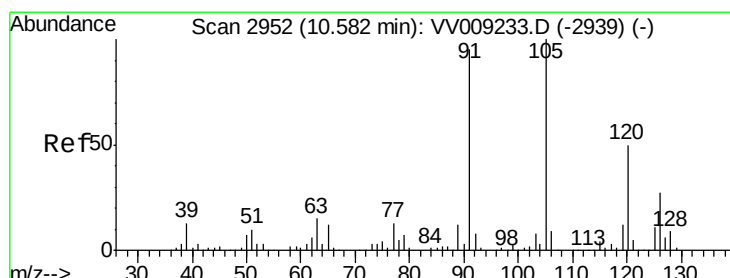
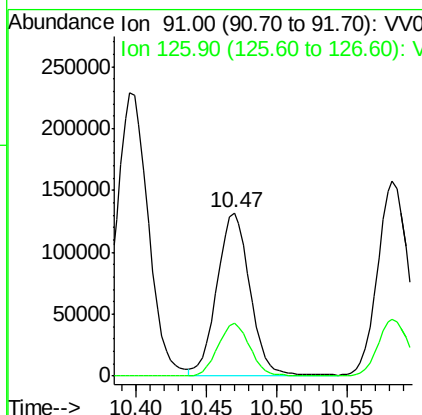
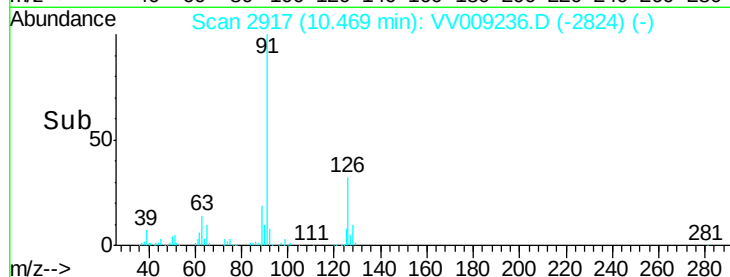
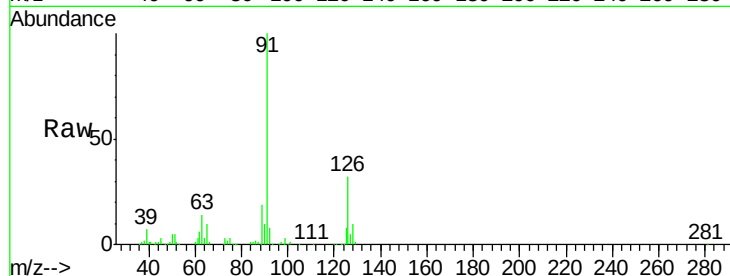
#79
 2-Chlorotoluene
 Concen: 49.616 ug/l
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012219

Tot Ion: 91 Resp: 212830
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.2 48.6

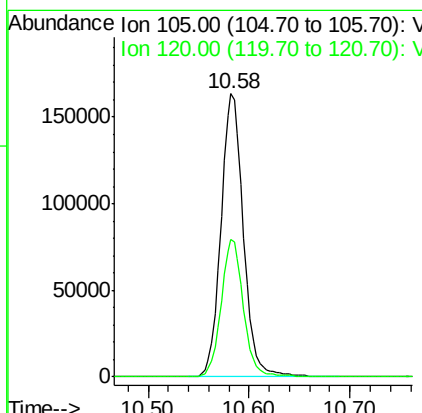
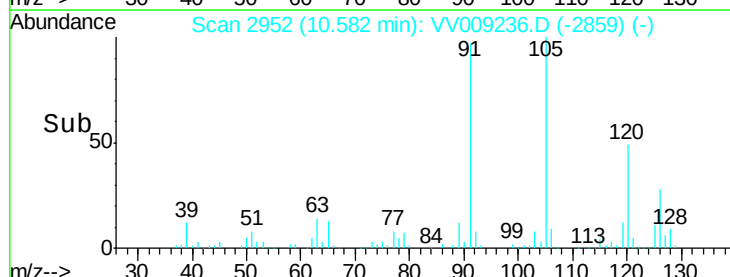
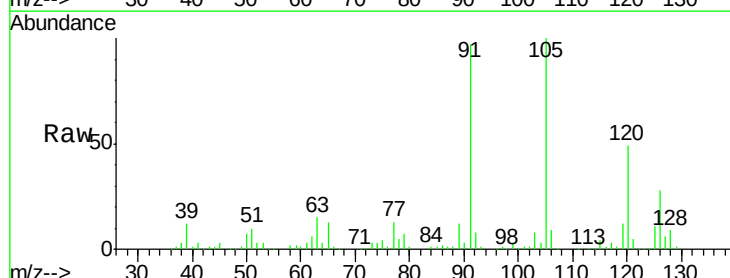
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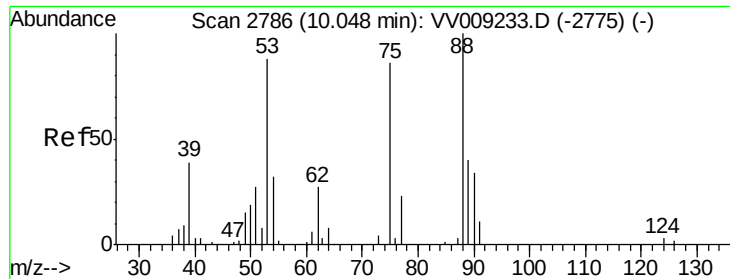
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.591 ug/l
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Tgt Ion: 105 Resp: 254439
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 73.0





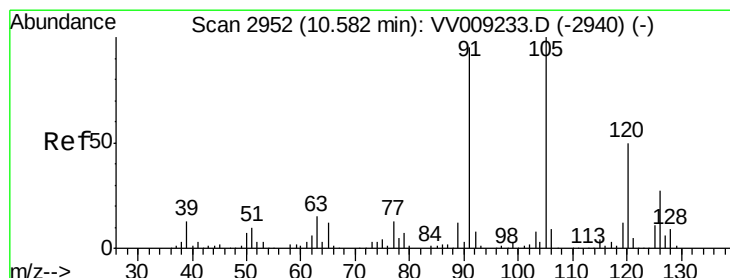
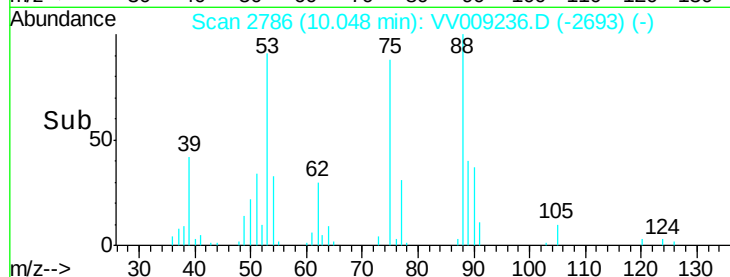
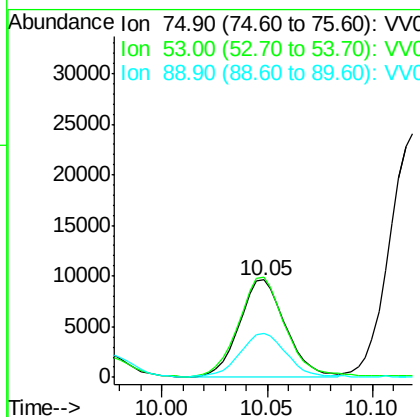
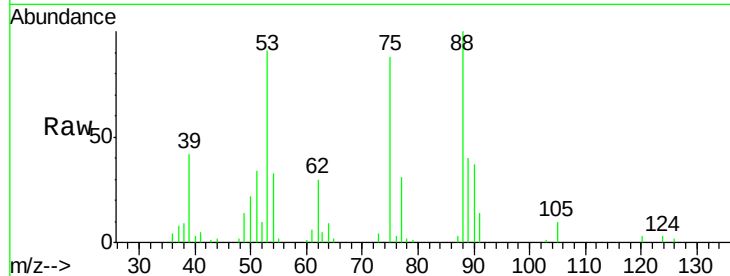
#81
trans-1,4-Dichloro-2-butene
Concen: 52.406 ug/l
RT: 10.05 min Scan# 2786
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVVV012219

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.0	82.1	123.1
89	46.3	36.2	54.4

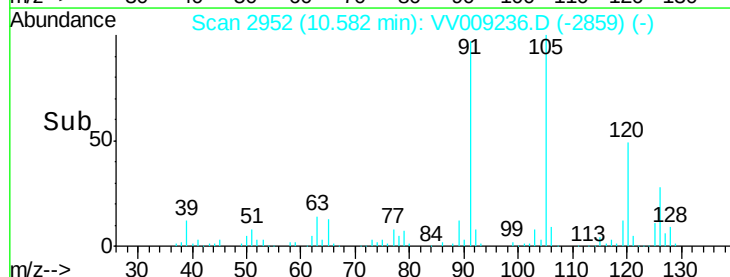
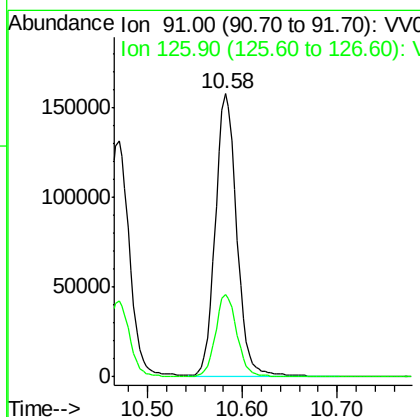
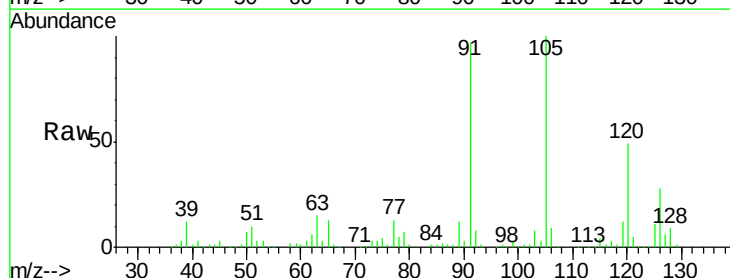
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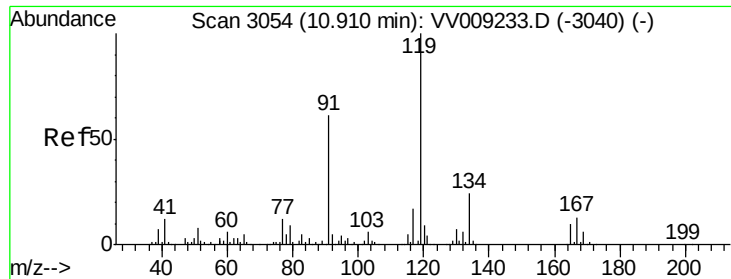
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.567 ug/l
RT: 10.58 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.3	42.9





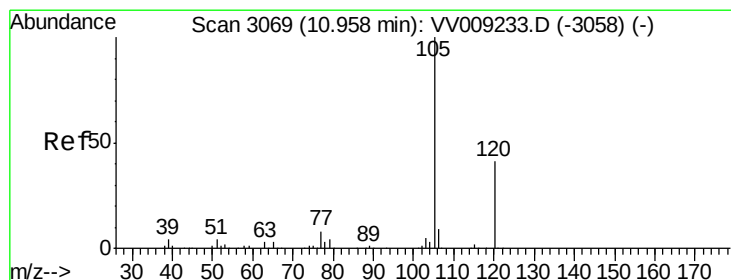
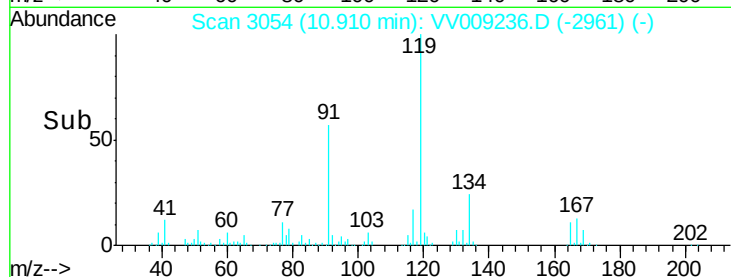
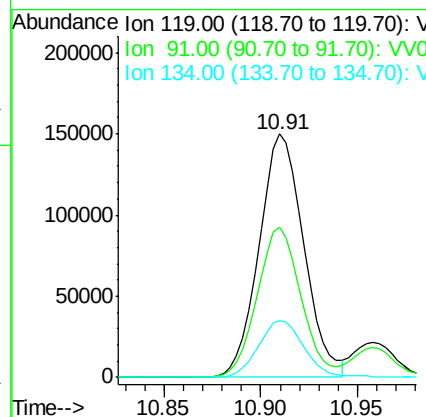
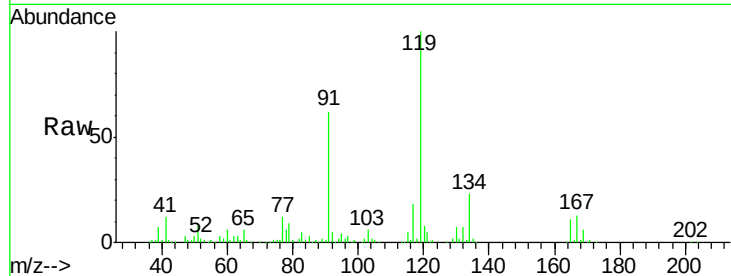
#83
 tert-Butylbenzene
 Concen: 50.360 ug/l
 RT: 10.91 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012219

Tot Ion	Ratio	Resp	Lower	Upper
119	100	241171		
91	60.1	30.0	90.1	
134	23.9	11.9	35.7	

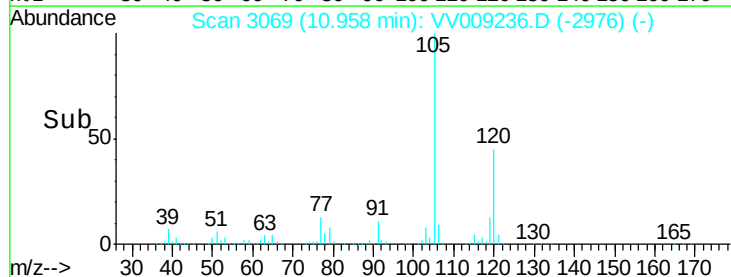
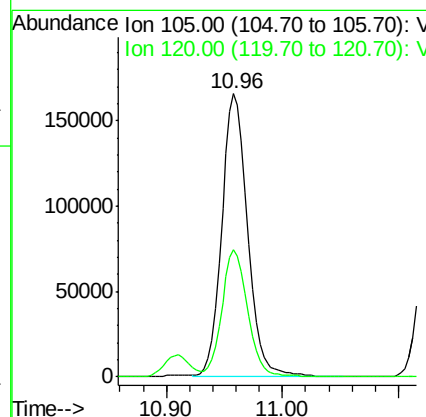
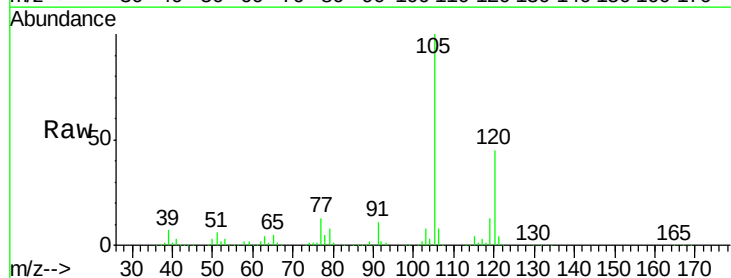
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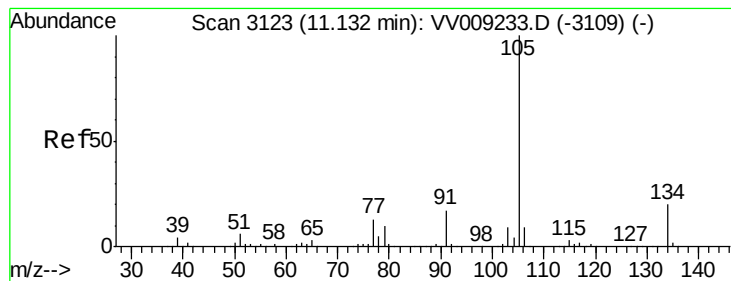
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.685 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	257150		
120	45.0	22.6	67.7	





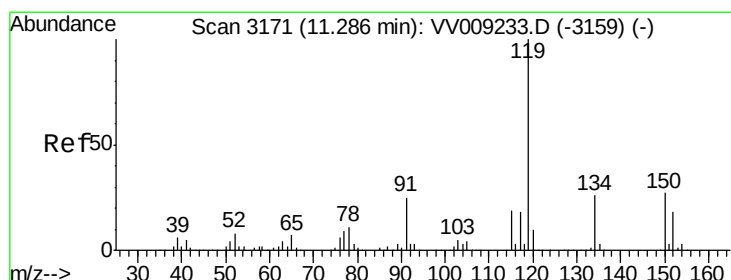
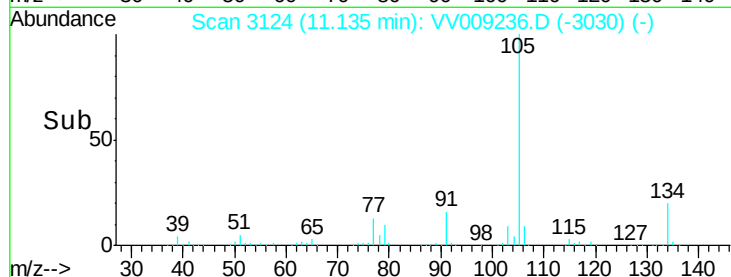
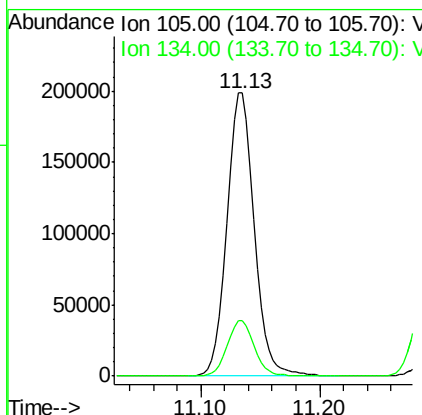
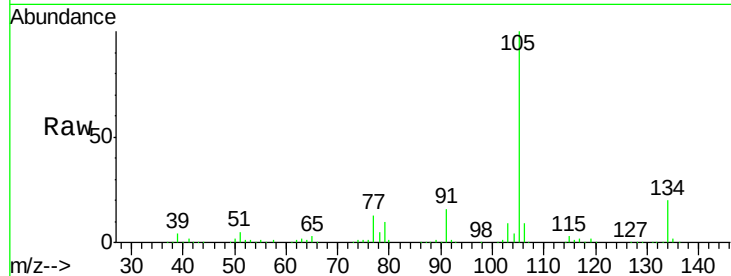
#85
 sec-Butylbenzene
 Concen: 50.464 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012219

Tot Ion:105 Resp: 316533
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.1 30.3

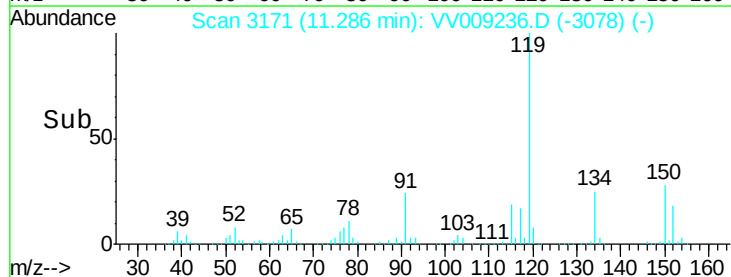
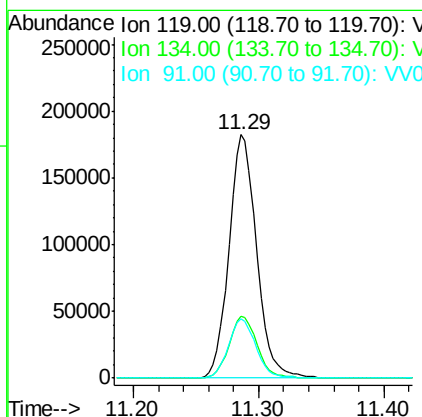
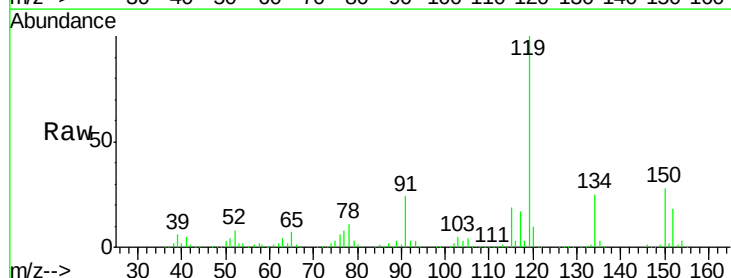
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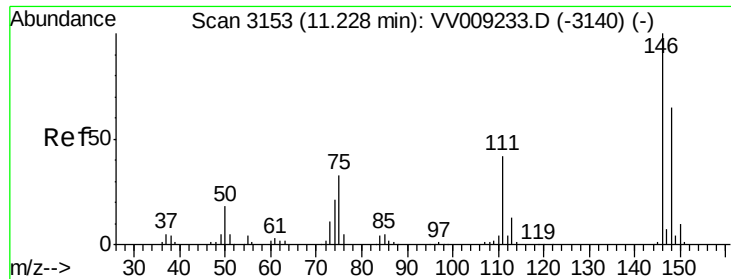
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#86
 p-Isopropyltoluene
 Concen: 50.838 ug/l
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Tgt Ion:119 Resp: 279205
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 24.5 12.4 37.2





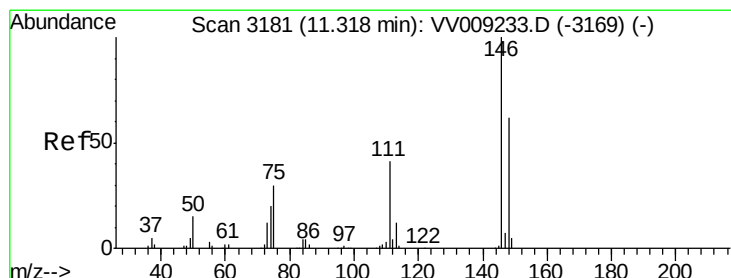
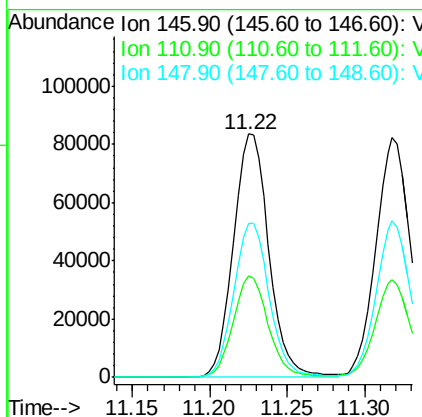
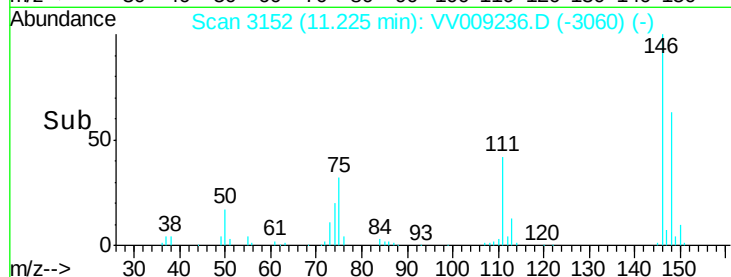
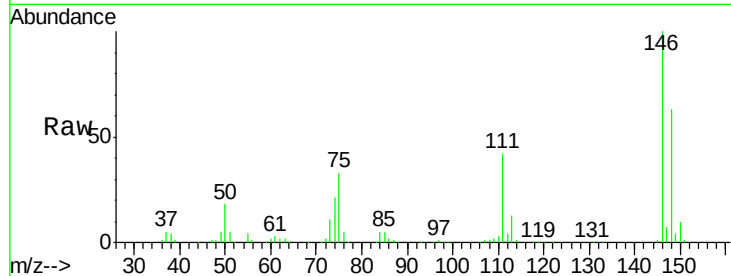
#87
 1,3-Dichlorobenzene
 Concen: 49.948 ug/l
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVV012219

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.4
148	63.9	32.1	96.3

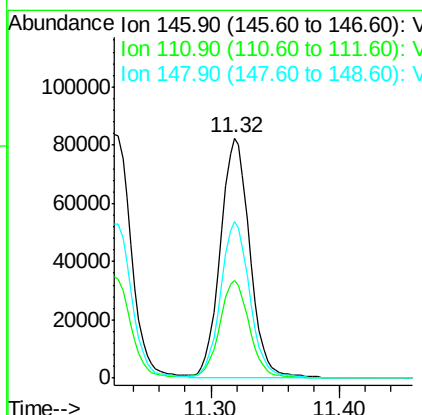
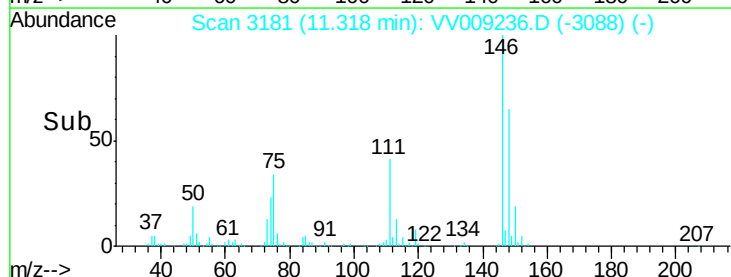
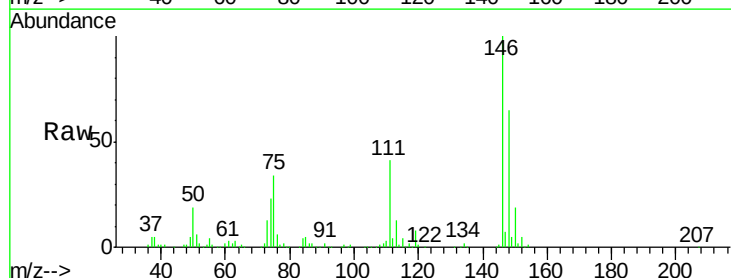
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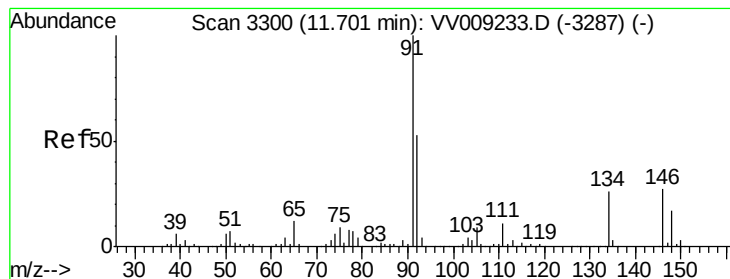
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#88
 1,4-Dichlorobenzene
 Concen: 48.766 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009236.D
 Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.5
148	64.7	31.4	94.3





#89

n-Butylbenzene

Concen: 50.640 ug/l

RT: 11.70 min Scan# 3300

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

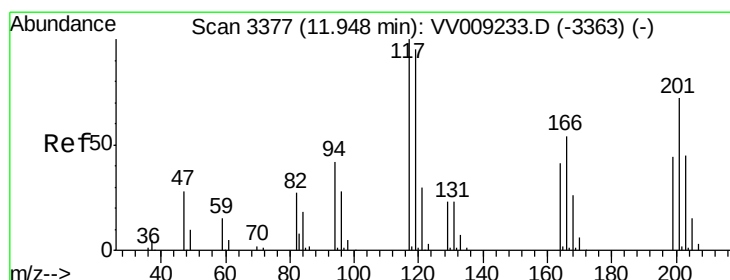
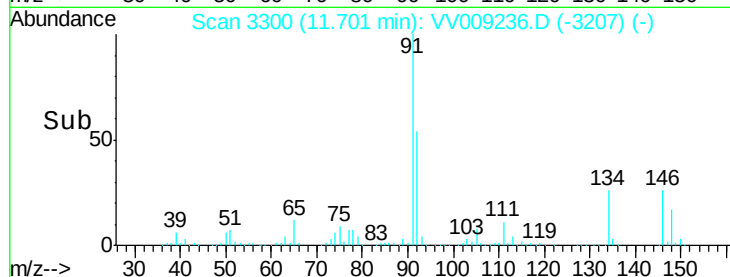
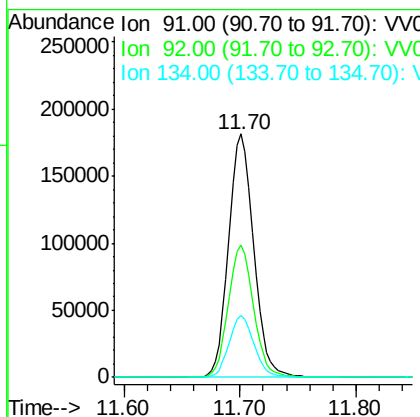
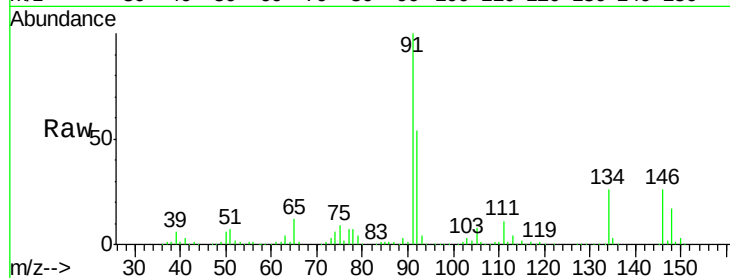
ClientSampleId :

ICVV012219

Tot Ion:	91	Resp:	269955
Ion Ratio	Lower	Upper	
91	100		
92	54.6	27.2	81.5
134	25.4	12.6	37.8

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#90

Hexachloroethane

Concen: 50.107 ug/l

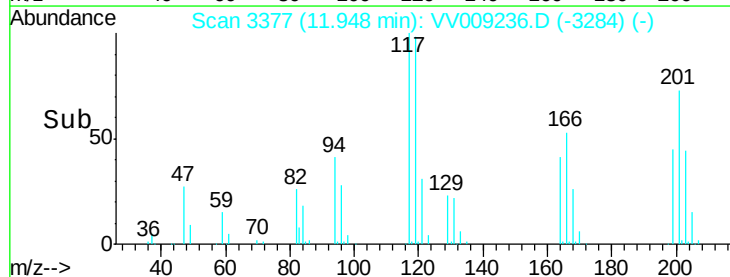
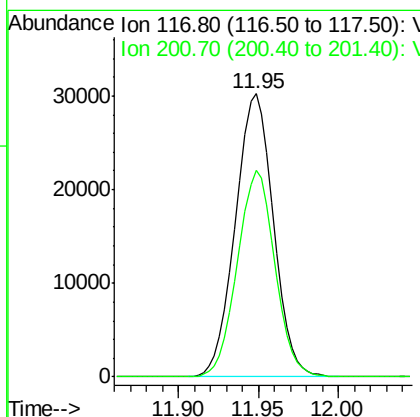
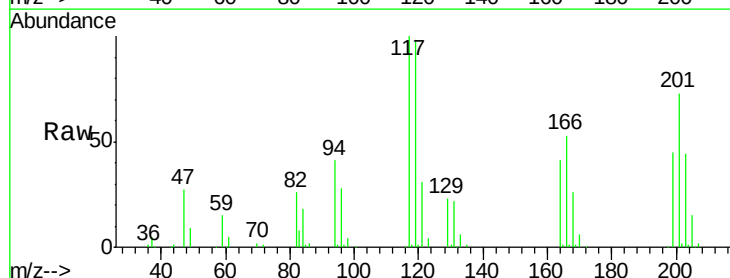
RT: 11.95 min Scan# 3377

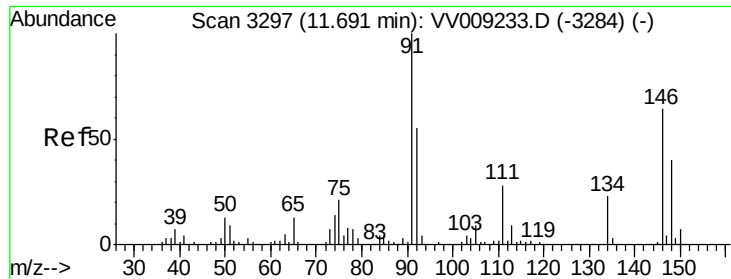
Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Tgt Ion:	117	Resp:	48936
Ion Ratio	Lower	Upper	
117	100		
201	72.1	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 49.927 ug/l

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

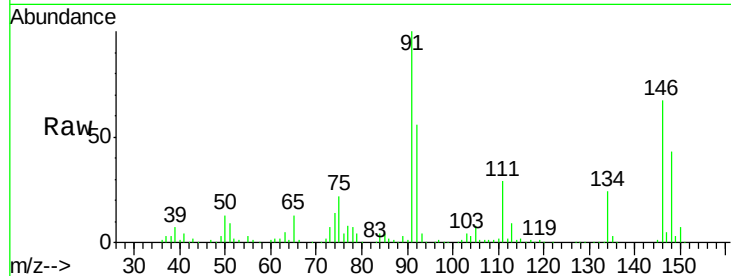
ClientSampleId :

ICVV012219

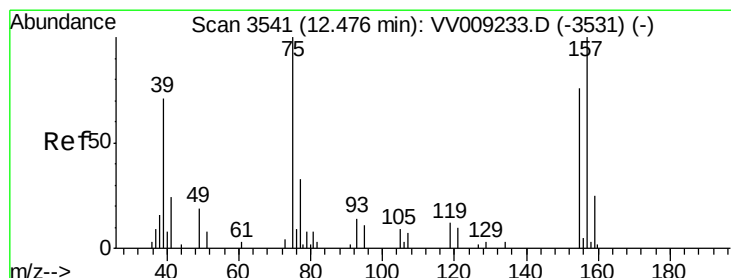
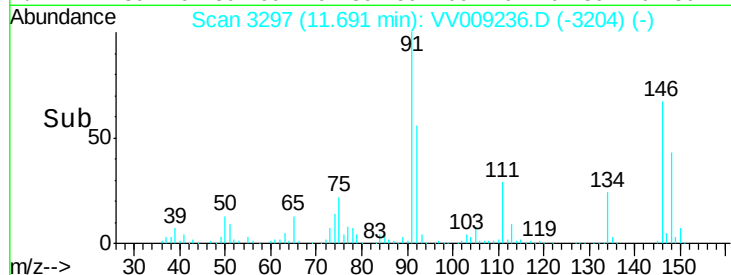
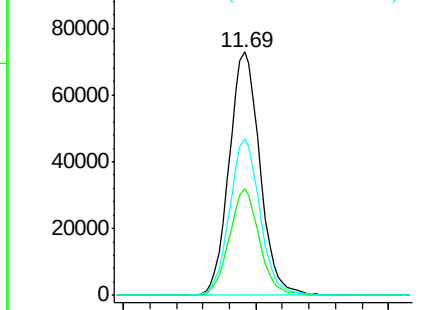
Tot Ion:	146	Resp:	117381
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.9	65.8
148	63.6	31.6	95.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.775 ug/l

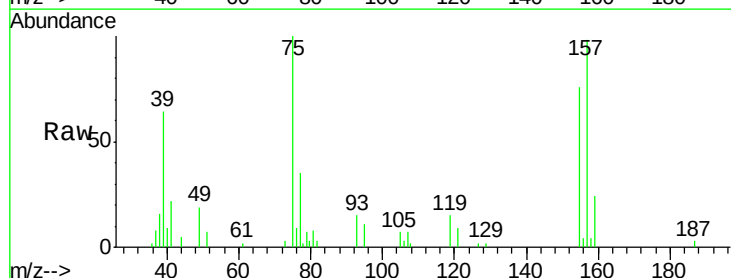
RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

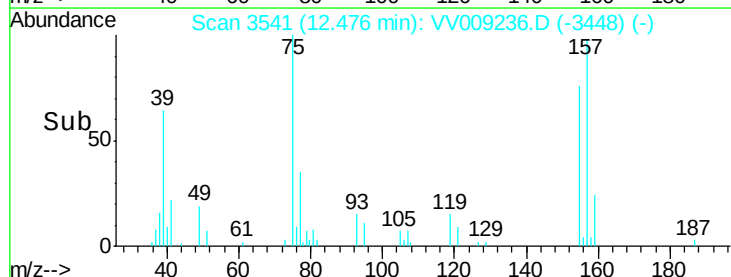
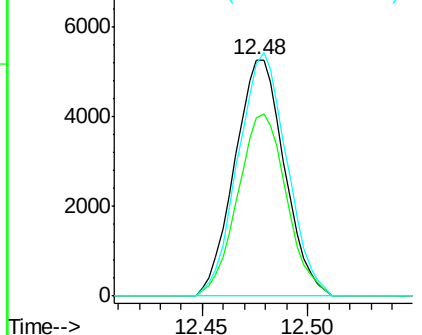
Lab File: VV009236.D

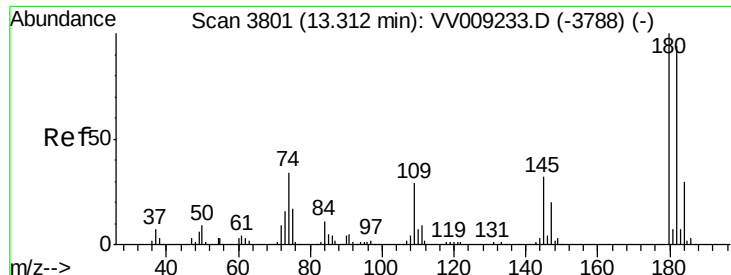
Acq: 22 Jan 2019 15:29

Tgt Ion:	75	Resp:	8618
Ion Ratio	Lower	Upper	
75	100		
155	75.7	38.0	114.0
157	100.9	50.8	152.4



Abundance Ion 74.90 (74.60 to 75.60): VV0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





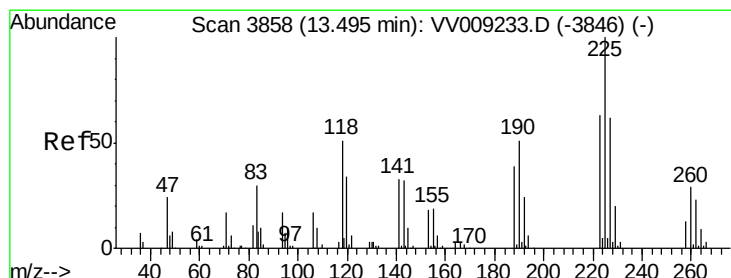
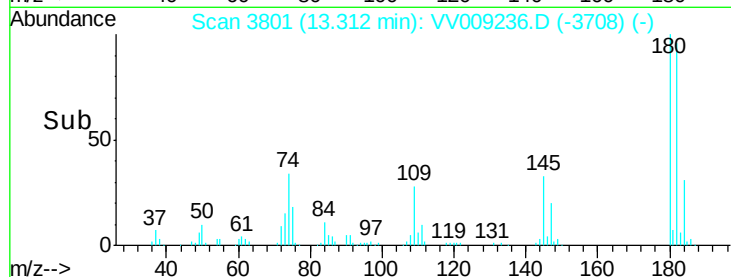
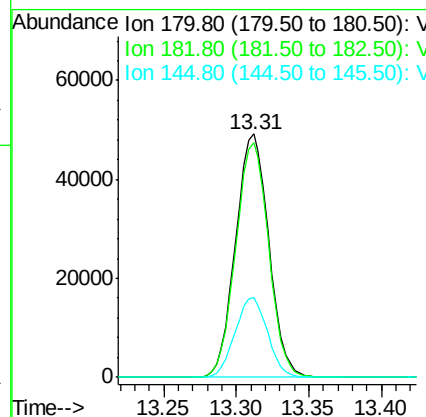
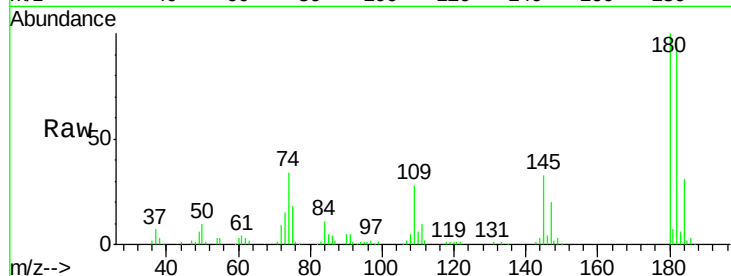
#93
1,2,4-Trichlorobenzene
Concen: 51.731 ug/l
RT: 13.31 min Scan# 3801
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Instrument :
MSVOA_V
ClientSampleId :
ICVV012219

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.4
145	32.0	16.0	48.0

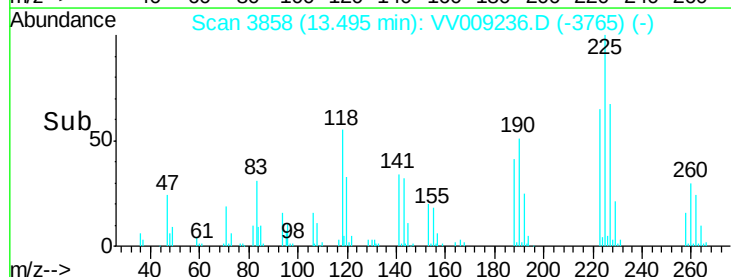
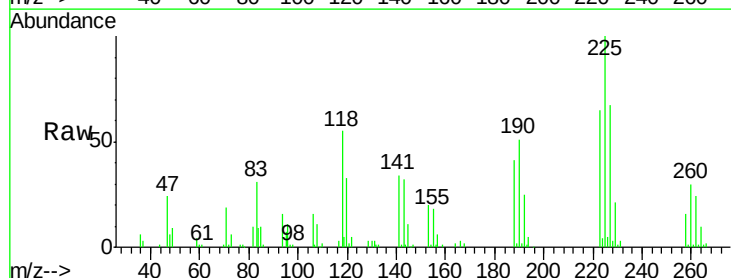
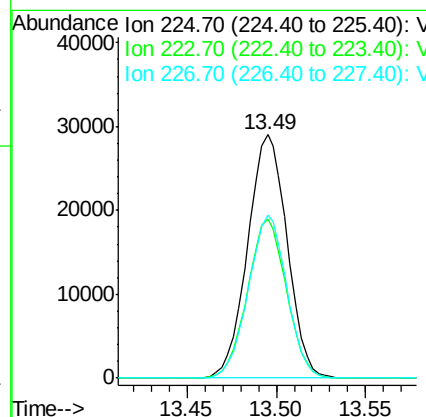
Manual Integrations
APPROVED

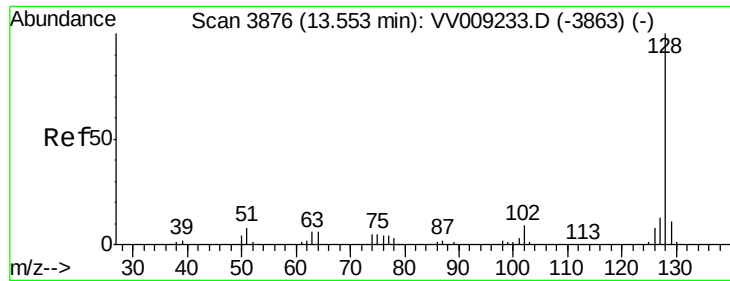
MMDadoda
1/24/2019 11:44:16 AM



#94
Hexachlorobutadiene
Concen: 47.904 ug/l
RT: 13.49 min Scan# 3858
Delta R.T. 0.00 min
Lab File: VV009236.D
Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.7	95.1
227	65.2	31.6	95.0





#95

Naphthalene

Concen: 53.879 ug/l

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Instrument :

MSVOA_V

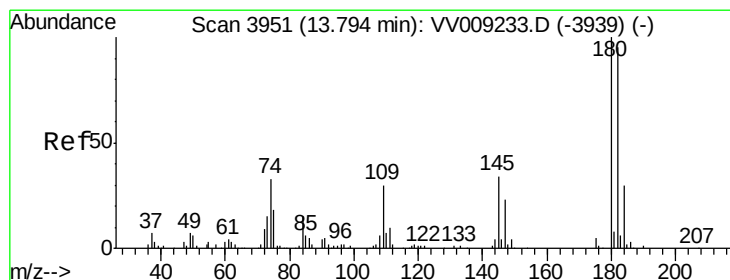
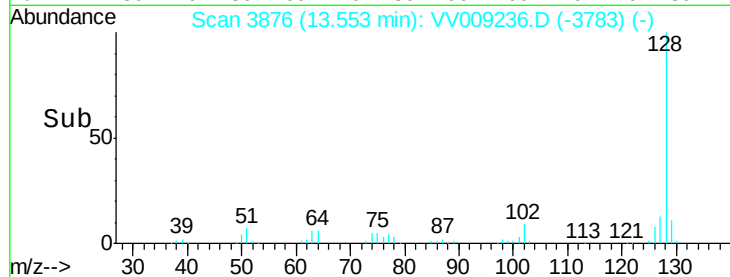
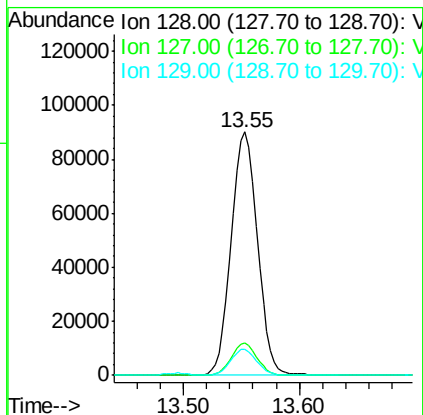
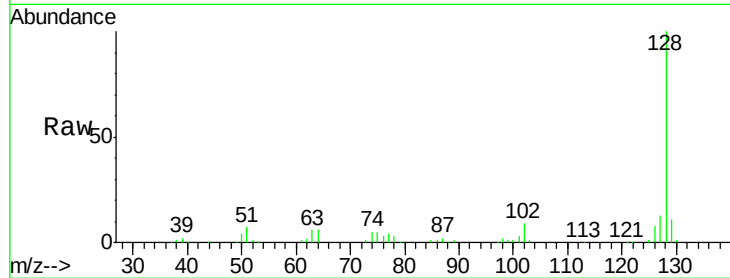
ClientSampleId :

ICVV012219

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/24/2019 11:44:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.829 ug/l

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009236.D

Acq: 22 Jan 2019 15:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.2
145	34.0	17.2	51.5

