

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022120\
 Data File : VV014688.D
 Acq On : 22 Feb 2020 05:18
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 24 04:40:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 24 04:25:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	209618	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	195768	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	101169	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36275	44.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.62%
7) Chloroethane-d5	1.59	69	29485	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.38%
11) 1,1-Dichloroethene-d2	2.13	63	77070	50.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.00%
21) 2-Butanone-d5	3.95	46	79455	104.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.41%
24) Chloroform-d	4.40	84	139486	52.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.08%
26) 1,2-Dichloroethane-d4	5.08	65	93108	54.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.68%
32) Benzene-d6	5.10	84	269388	51.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.98%
36) 1,2-Dichloropropane-d6	6.11	67	77585	51.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.70%
41) Toluene-d8	7.35	98	257641	51.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.24%
43) trans-1,3-Dichloropropene-	7.66	79	42953	50.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.50%
47) 2-Hexanone-d5	8.13	63	62807	103.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.72%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	112666	53.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.64%
64) 1,2-Dichlorobenzene-d4	11.67	152	102452	51.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	77674	52.445	ug/L 100
3) Chloromethane	1.25	50	34548	44.108	ug/L 100
5) Vinyl chloride	1.33	62	35935	45.681	ug/L 100
6) Bromomethane	1.54	94	23632	50.577	ug/L 98
8) Chloroethane	1.60	64	20218	47.119	ug/L 96
9) Trichlorofluoromethane	1.77	101	87054	51.011	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	35650	50.213	ug/L 98
12) 1,1-Dichloroethene	2.14	96	31525	49.336	ug/L 95
13) Acetone	2.22	43	50146	74.213	ug/L 93
14) Carbon disulfide	2.32	76	141659	48.972	ug/L 98
15) Methyl Acetate	2.47	43	55711	50.469	ug/L 100
16) Methylene chloride	2.54	84	69014	51.774	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	63424	51.188	ug/L 98
18) Methyl tert-butyl Ether	2.81	73	218511	52.457	ug/L 99
19) 1,1-Dichloroethane	3.23	63	114412	51.230	ug/L 97
20) cis-1,2-Dichloroethene	3.96	96	74506	51.770	ug/L 97
22) 2-Butanone	4.04	43	76477	89.376	ug/L 98

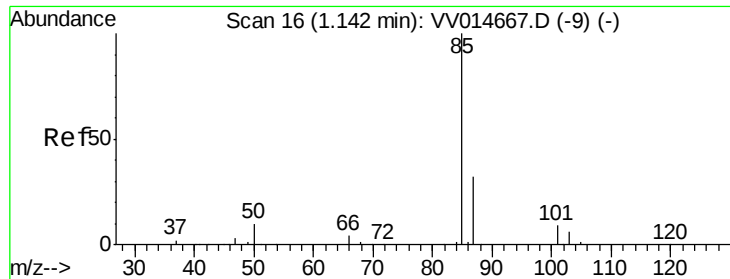
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022120\
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 Quant Title : VOC Analysis
 QLast Update : Mon Feb 24 04:25:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	37267	51.008	ug/L	94
25) Chloroform	4.42	83	137389	52.884	ug/L	99
27) 1,2-Dichloroethane	5.18	62	101634	53.383	ug/L	99
29) Cyclohexane	4.72	56	91319	49.912	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	122073	53.620	ug/L	99
31) Carbon tetrachloride	4.87	117	106968	53.103	ug/L	100
33) Benzene	5.14	78	259734	51.445	ug/L	100
34) Trichloroethene	5.96	95	72922	49.618	ug/L	97
35) Methylcyclohexane	6.17	83	106628	50.827	ug/L	99
37) 1,2-Dichloropropane	6.22	63	63753	51.627	ug/L	98
38) Bromodichloromethane	6.55	83	100167	52.628	ug/L	97
39) cis-1,3-Dichloropropene	7.06	75	108970	49.412	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	157328	102.847	ug/L	100
42) Toluene	7.43	91	286209	52.433	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	100280	50.120	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	70093	53.031	ug/L	99
46) Tetrachloroethene	8.01	164	55293	52.005	ug/L	99
48) 2-Hexanone	8.18	43	124044	103.387	ug/L	97
49) Dibromochloromethane	8.29	129	85311	54.312	ug/L	97
50) 1,2-Dibromoethane	8.39	107	75798	52.049	ug/L	99
51) Chlorobenzene	8.92	112	193960	52.146	ug/L	99
52) Ethylbenzene	9.05	91	328356	52.489	ug/L	97
53) m,p-Xylene	9.18	106	127183	52.585	ug/L	100
54) o-xylene	9.58	106	122463	52.025	ug/L	99
55) Styrene	9.60	104	211530	53.897	ug/L	97
56) Isopropylbenzene	9.97	105	332233	53.390	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	108531	53.330	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	88776	53.134	ug/L	99
61) Bromoform	9.77	173	57049	51.948	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	156877	51.723	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	156426	50.395	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	154191	51.056	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	25969	50.573	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	110563	49.595	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	105206	50.311	ug/L	100
69) Naphthalene	13.54	128	351482	50.046	ug/L	100
70) 1,2,3-Trichlorobenzene	13.78	180	106285	49.470	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 52.445 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

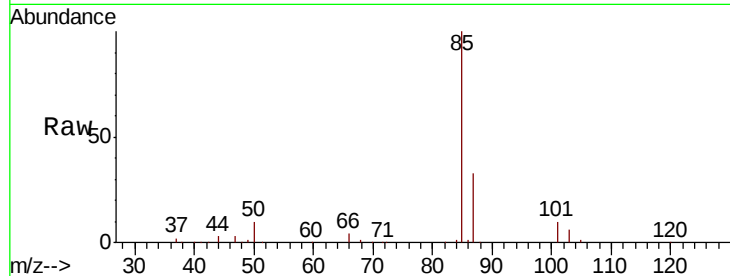
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 77674

Ion Ratio Lower Upper

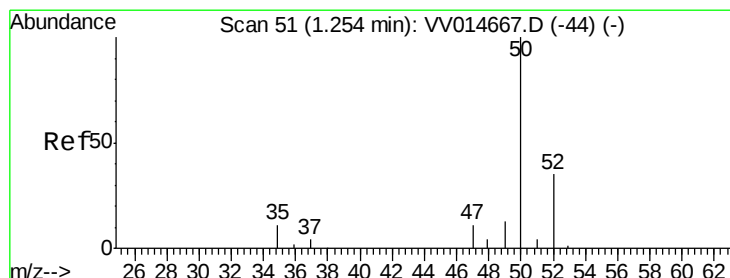
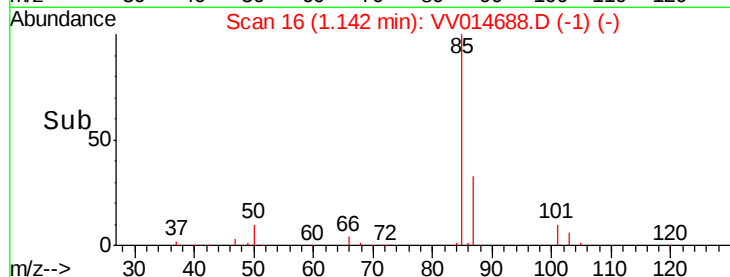
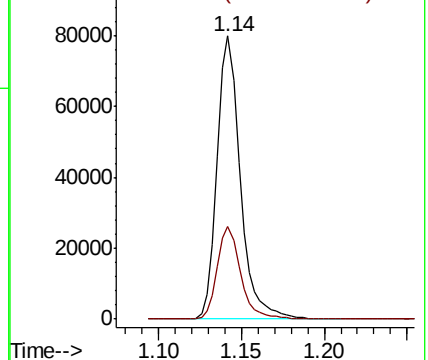
85 100

87 33.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014667.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV014667.D (-9) (-)



#3

Chloromethane

Concen: 44.108 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014688.D

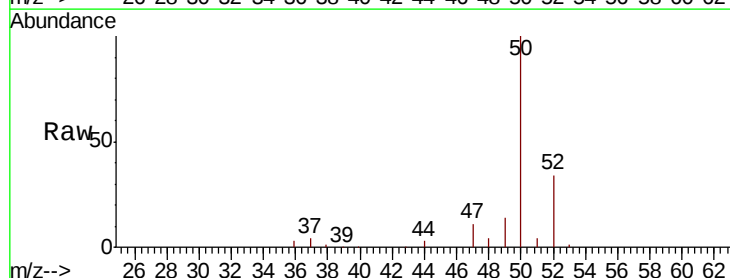
Acq: 22 Feb 2020 05:18

Tgt Ion: 50 Resp: 34548

Ion Ratio Lower Upper

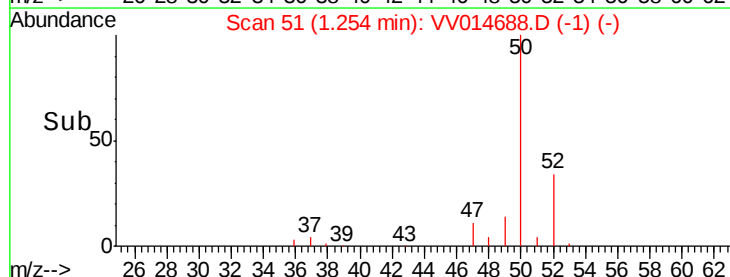
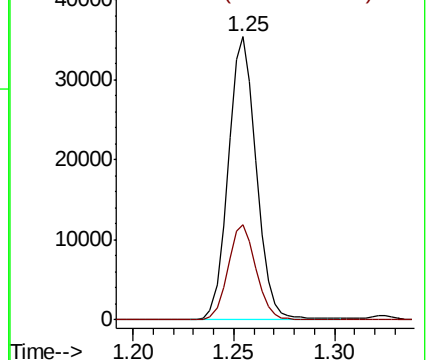
50 100

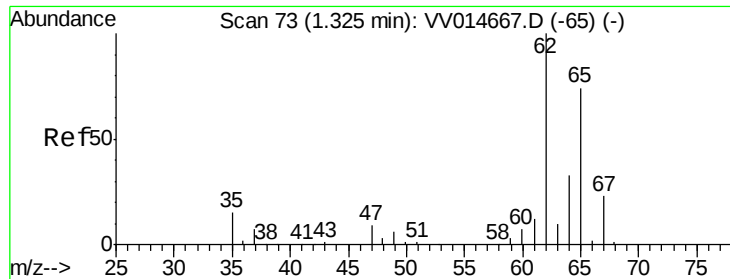
52 33.7 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VV014667.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV014667.D (-44) (-)





#5

Vinyl chloride

Concen: 45.681 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

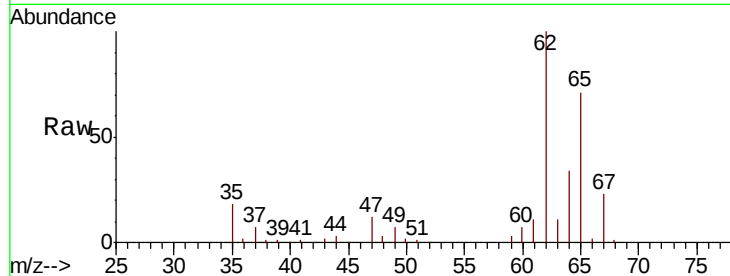
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 35935

Ion Ratio Lower Upper

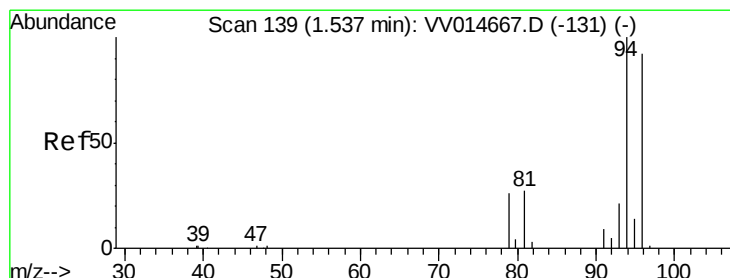
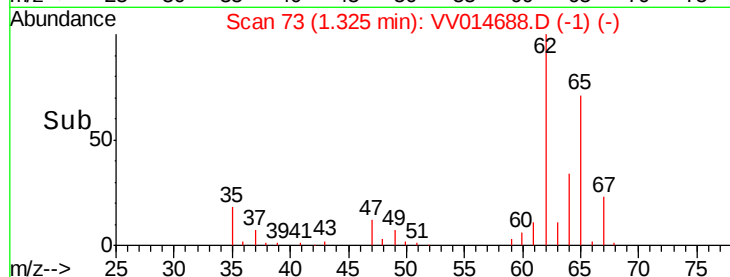
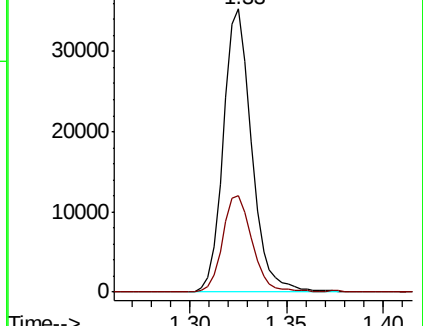
62 100

64 34.3 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.577 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014688.D

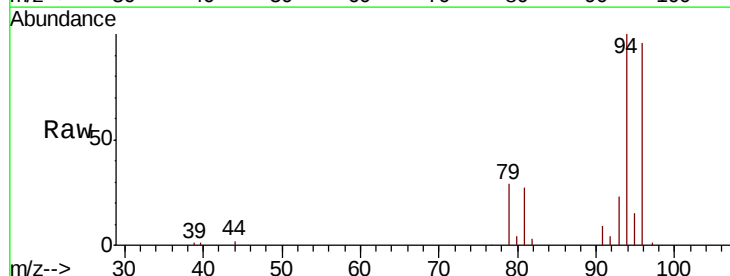
Acq: 22 Feb 2020 05:18

Tgt Ion: 94 Resp: 23632

Ion Ratio Lower Upper

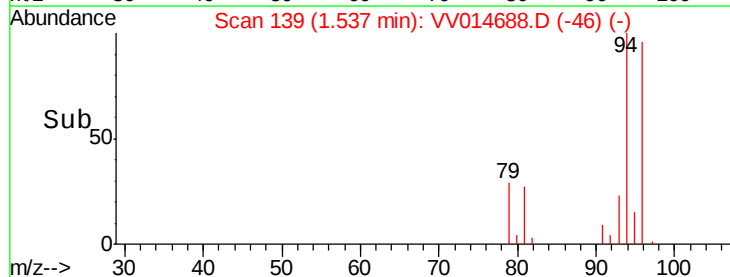
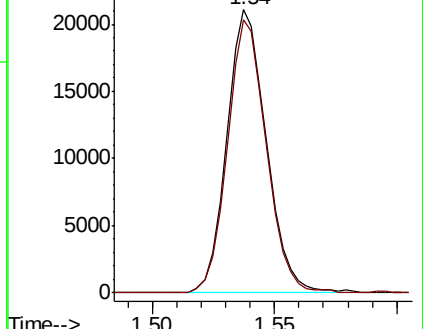
94 100

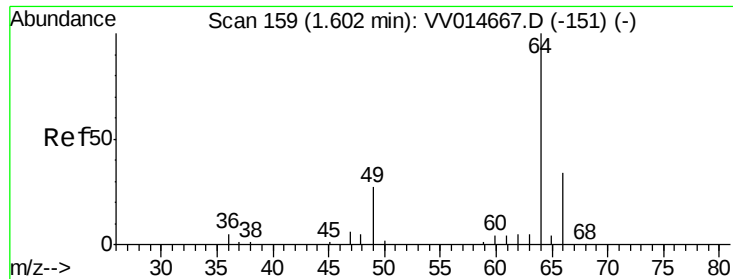
96 96.3 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

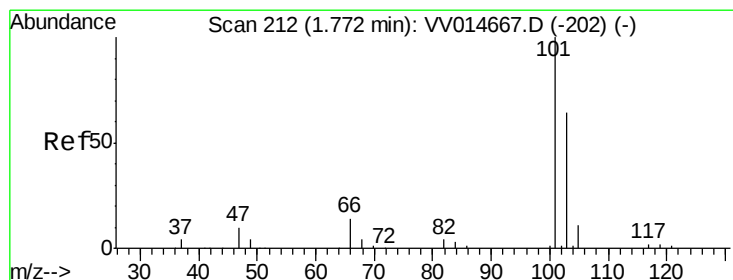
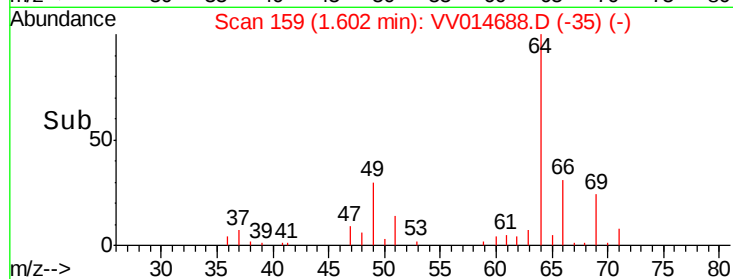
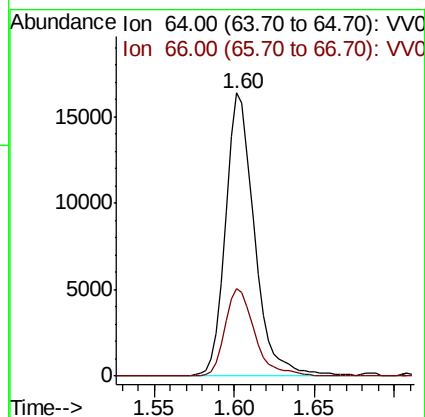
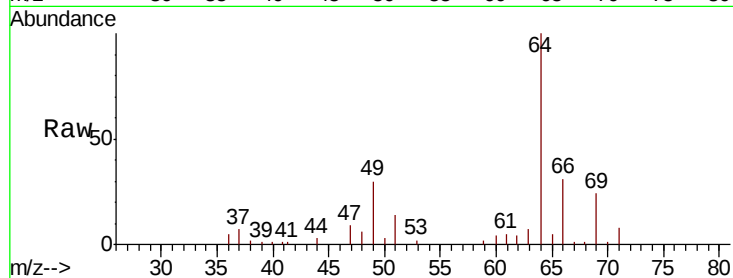




#8
 Chloroethane
 Concen: 47.119 ug/L
 RT: 1.60 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

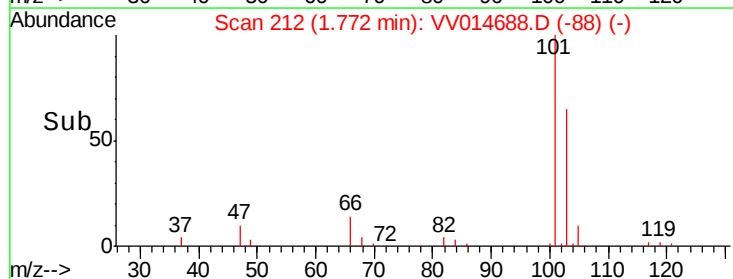
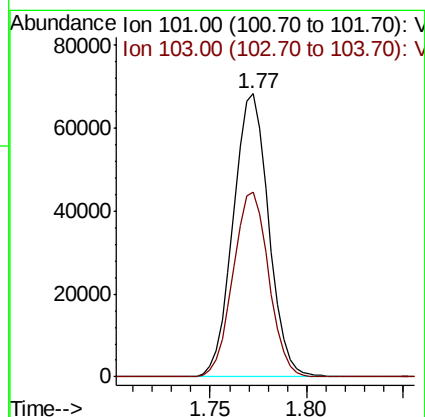
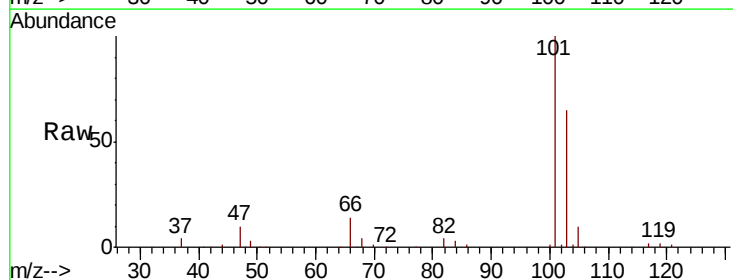
Instrument :
 MSVOA_V
 ClientSampled :

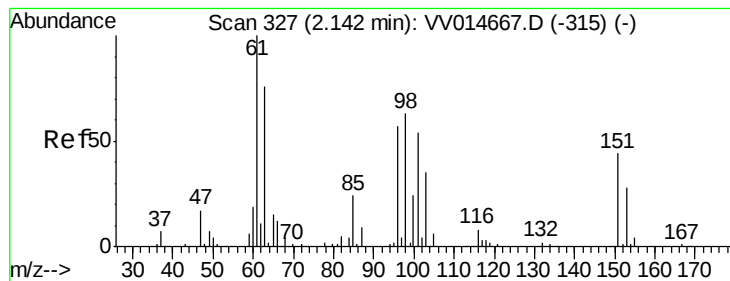
Tot Ion: 64 Resp: 20218
 Ion Ratio Lower Upper
 64 100
 66 30.8 23.2 43.2



#9
 Trichlorofluoromethane
 Concen: 51.011 ug/L
 RT: 1.77 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

Tgt Ion:101 Resp: 87054
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.213 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Instrument :

MSVOA_V

ClientSampleId :

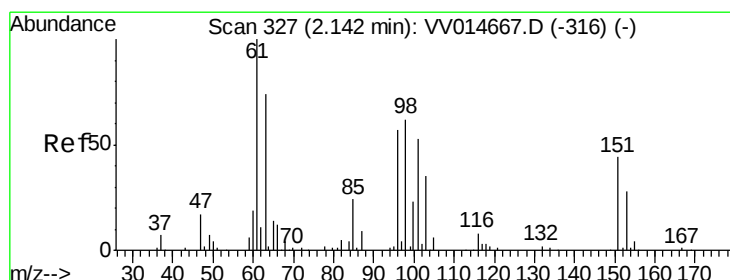
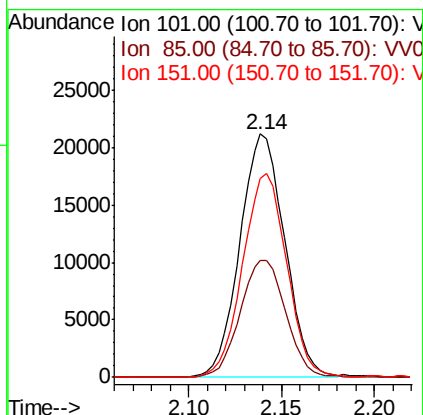
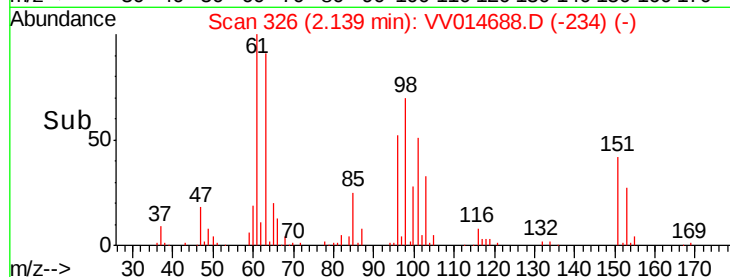
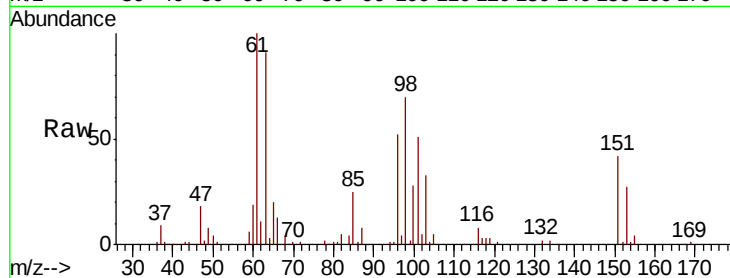
Tot Ion:101 Resp: 35650

Ion Ratio Lower Upper

101 100

85 48.6 37.3 55.9

151 82.0 64.6 96.8



#12

1,1-Dichloroethene

Concen: 49.336 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

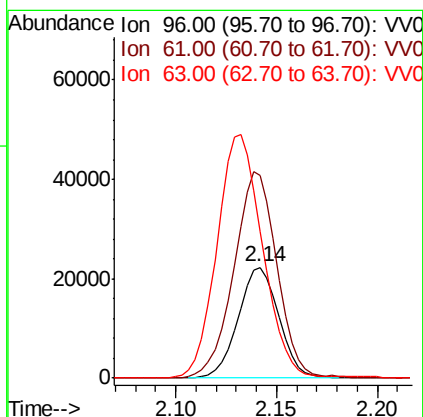
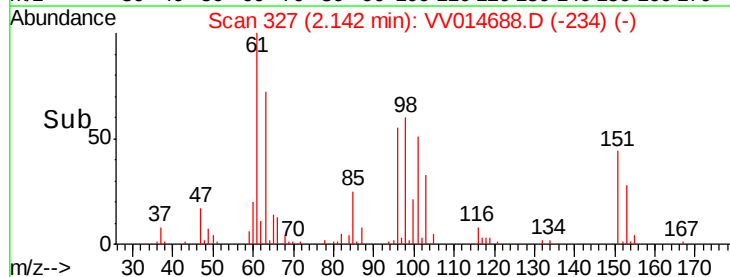
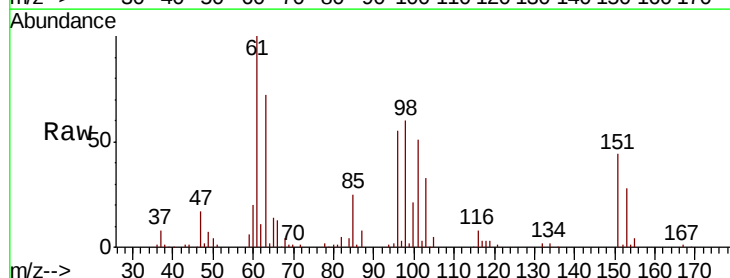
Tgt Ion: 96 Resp: 31525

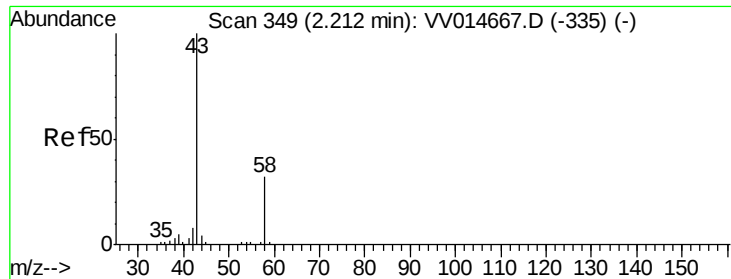
Ion Ratio Lower Upper

96 100

61 183.2 124.5 231.1

63 132.6 98.1 182.1





#13

Acetone

Concen: 74.213 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Instrument :

MSVOA_V

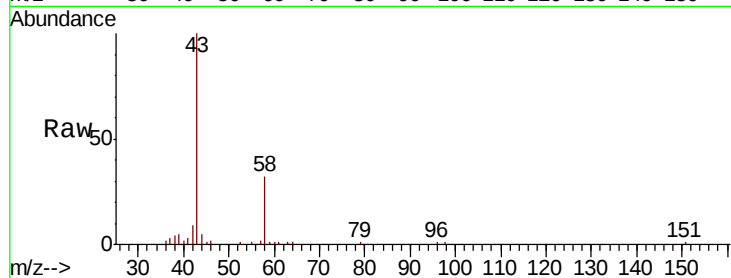
ClientSampled :

Tot Ion: 43 Resp: 50146

Ion Ratio Lower Upper

43 100

58 29.6 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VV014667.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV014667.D (-335) (-)

2.22

15000

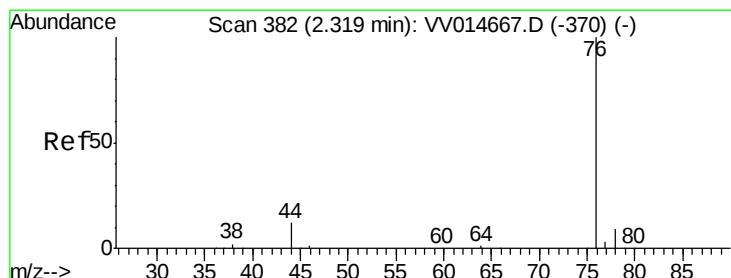
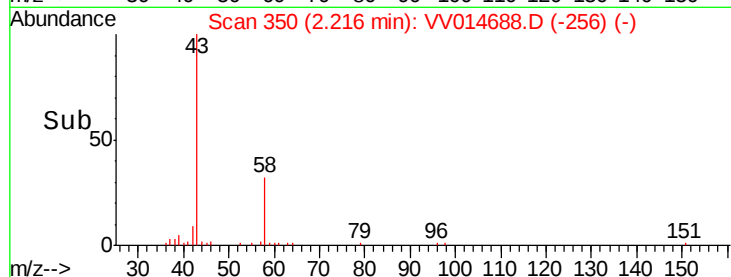
10000

5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 48.972 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014688.D

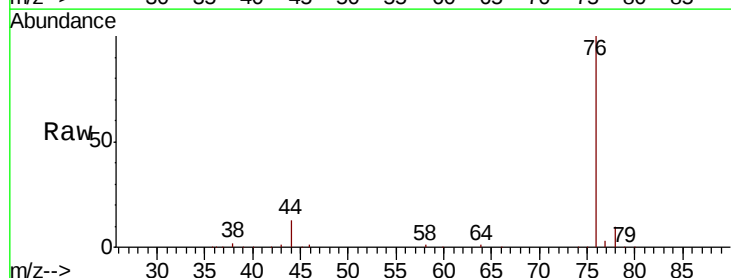
Acq: 22 Feb 2020 05:18

Tgt Ion: 76 Resp: 141659

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV014667.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV014667.D (-370) (-)

2.32

100000

80000

60000

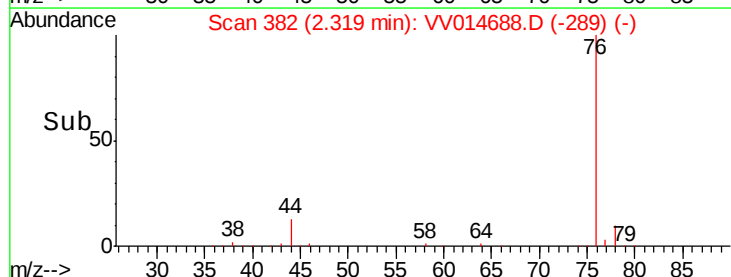
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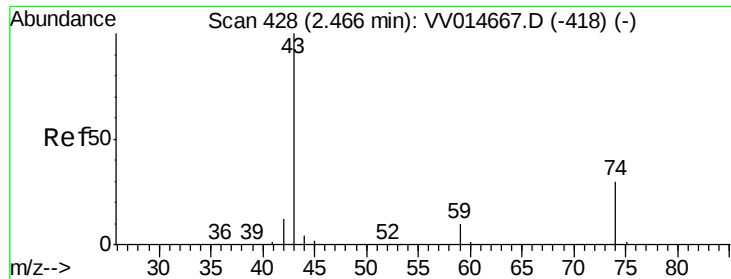
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Time-->

2.25 2.30 2.35 2.40

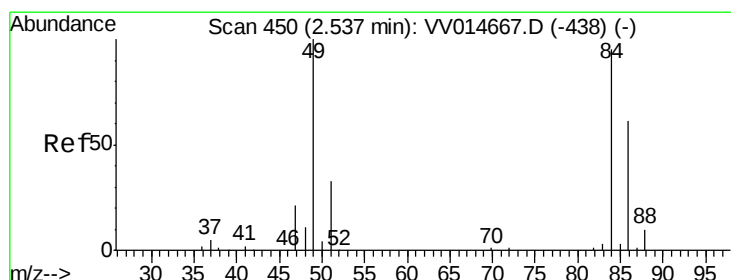
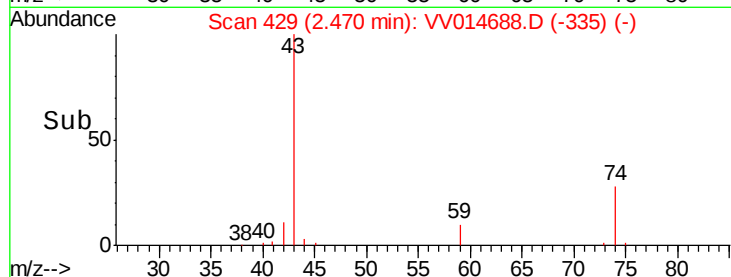
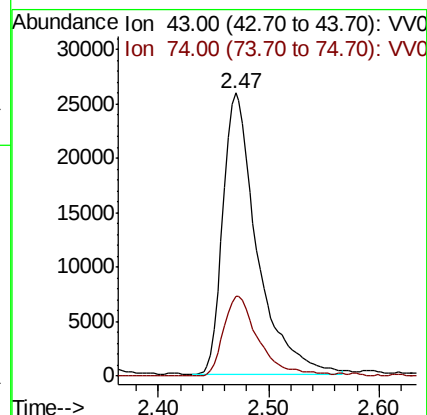
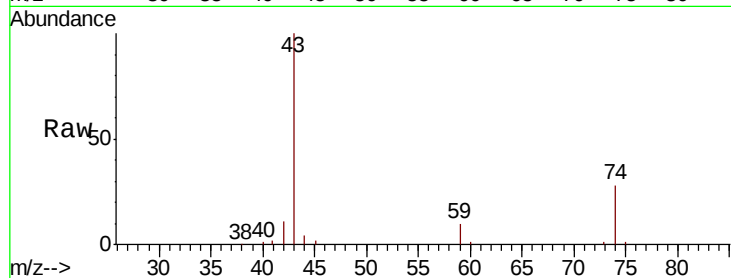




#15
Methvl Acetate
Concen: 50.469 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV014688.D
Acq: 22 Feb 2020 05:18

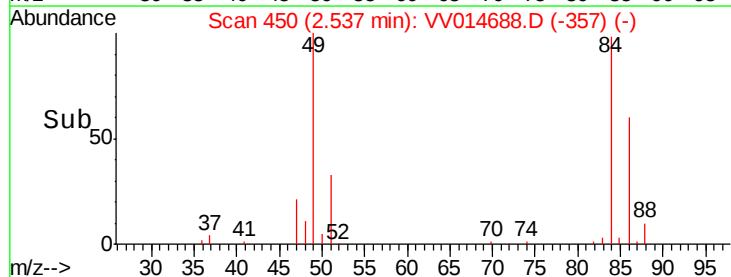
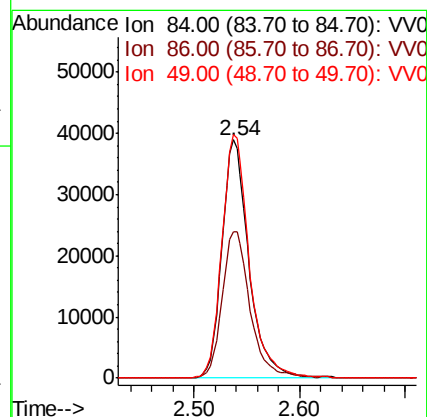
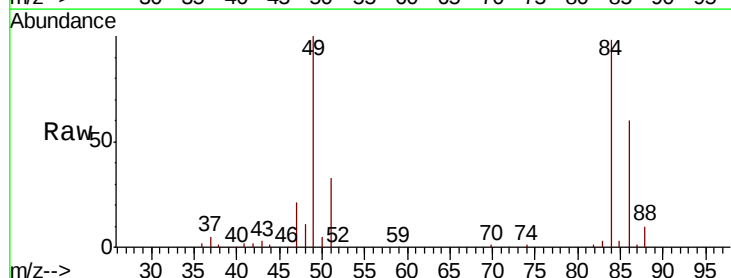
Instrument :
MSVOA_V
ClientSampled :

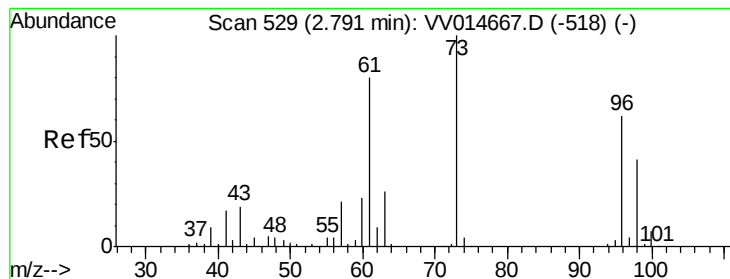
Tot Ion: 43 Resp: 55711
Ion Ratio Lower Upper
43 100
74 29.4 23.4 35.2



#16
Methylene chloride
Concen: 51.774 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014688.D
Acq: 22 Feb 2020 05:18

Tgt Ion: 84 Resp: 69014
Ion Ratio Lower Upper
84 100
86 61.7 44.4 82.4
49 102.2 73.6 136.8





#17

trans-1,2-Dichloroethene

Concen: 51.188 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Instrument :
MSVOA_V
ClientSampleId :

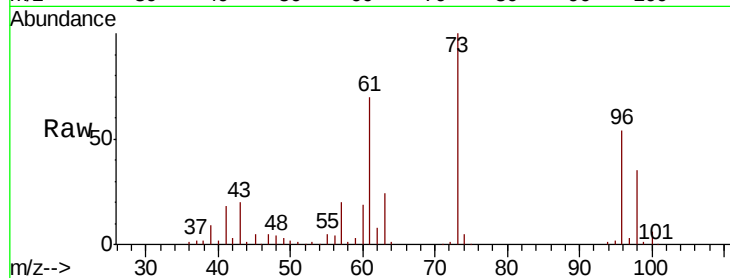
Tot Ion: 96 Resp: 63424

Ion Ratio Lower Upper

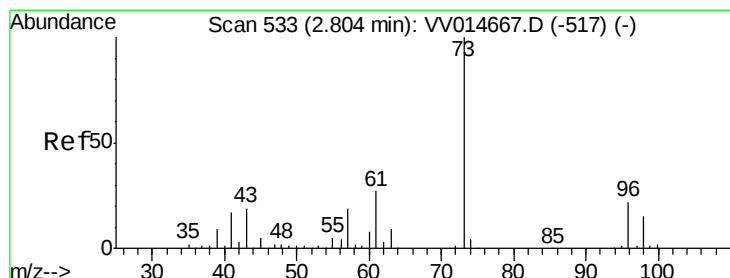
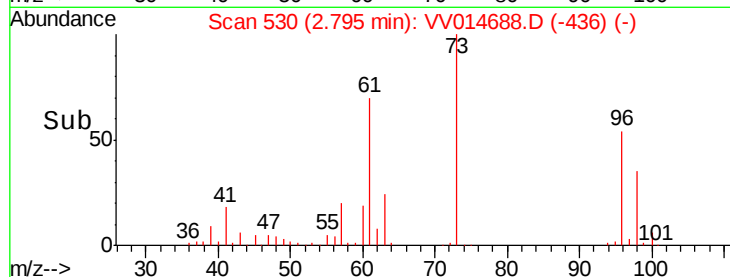
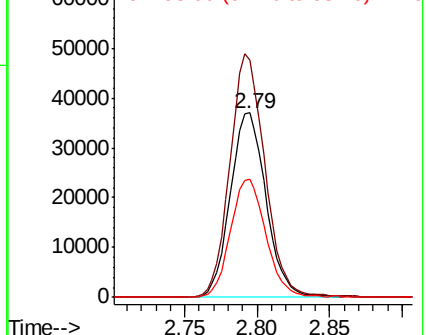
96 100

61 128.9 88.1 163.7

98 63.8 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 52.457 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

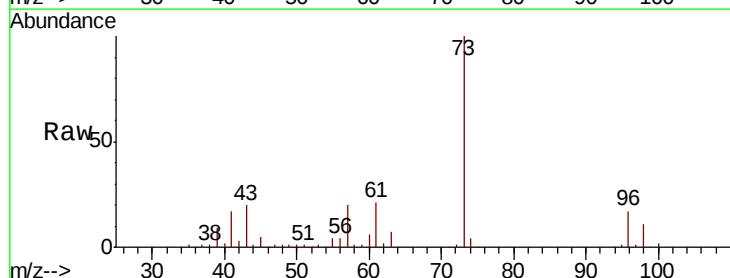
Tgt Ion: 73 Resp: 218511

Ion Ratio Lower Upper

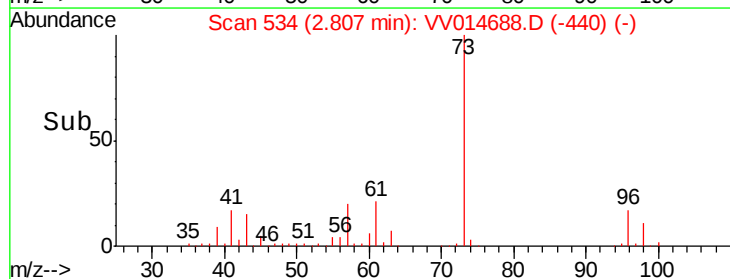
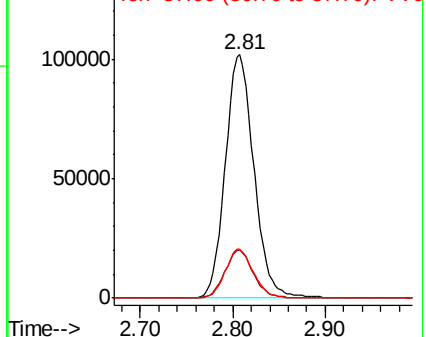
73 100

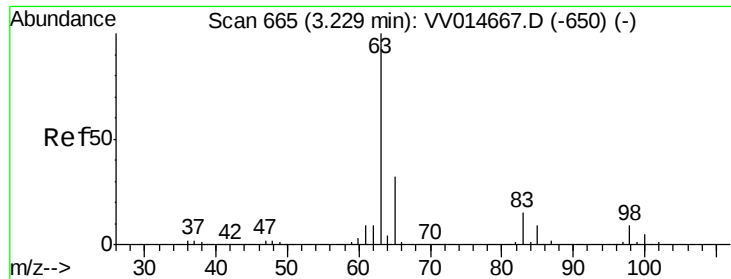
43 19.4 15.6 23.4

57 19.8 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

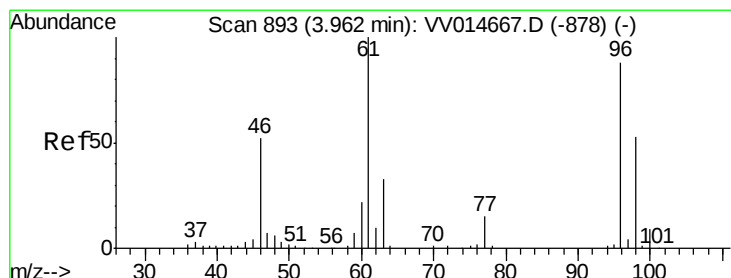
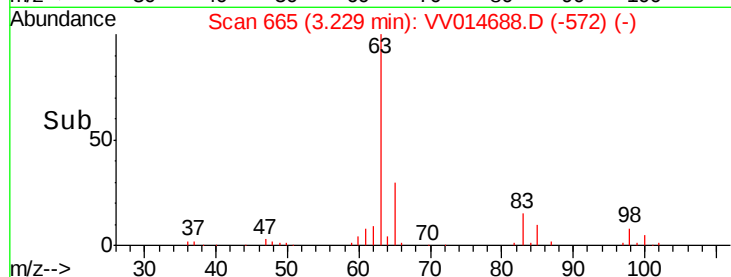
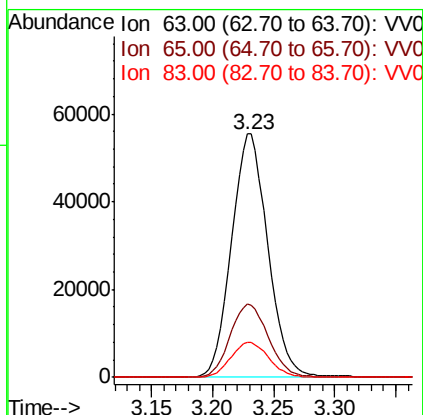
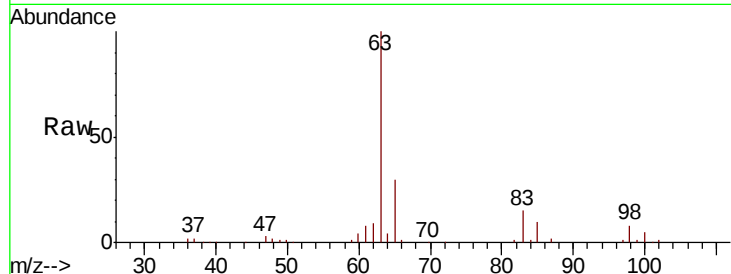




#19
 1,1-Dichloroethane
 Concen: 51.230 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

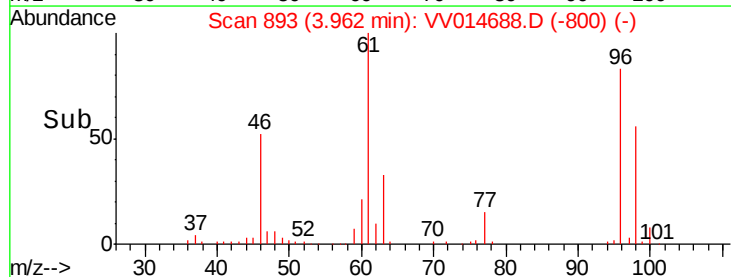
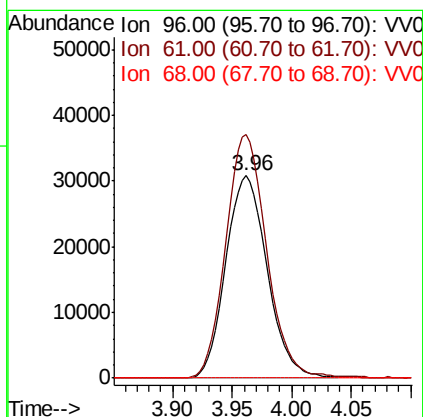
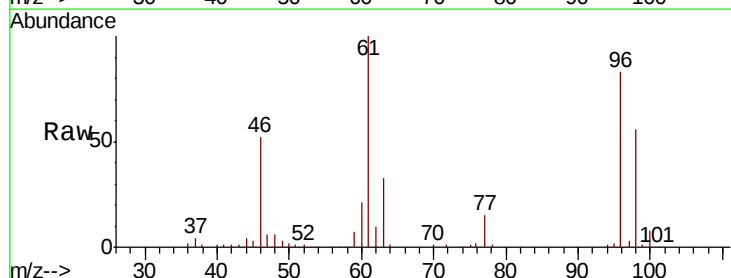
Instrument :
 MSVOA_V
 ClientSampleId :

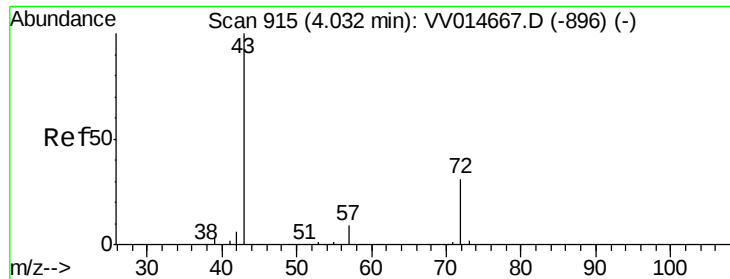
Tot Ion: 63 Resp: 114412
 Ion Ratio Lower Upper
 63 100
 65 30.0 22.6 42.0
 83 14.6 10.3 19.1



#20
 cis-1,2-Dichloroethene
 Concen: 51.770 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

Tgt Ion: 96 Resp: 74506
 Ion Ratio Lower Upper
 96 100
 61 120.5 82.4 153.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 89.376 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

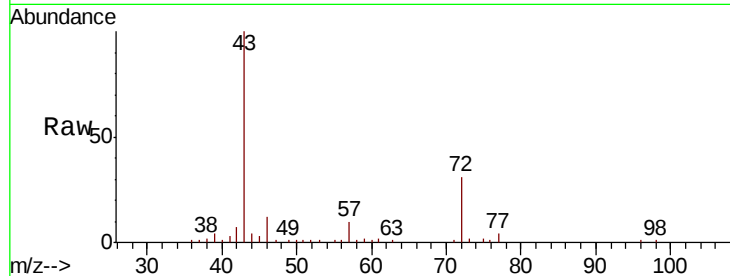
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 76477

Ion Ratio Lower Upper

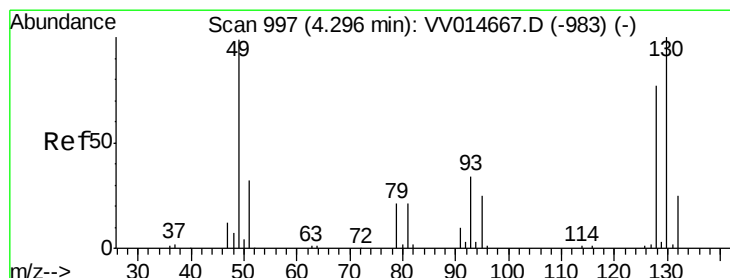
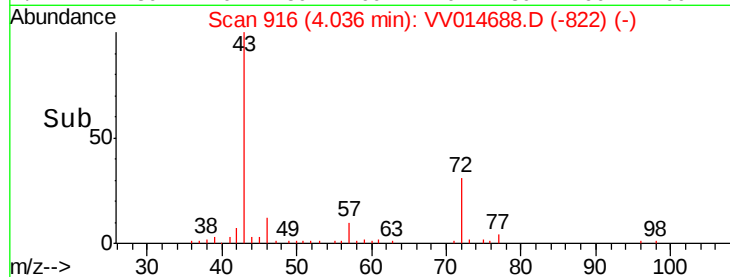
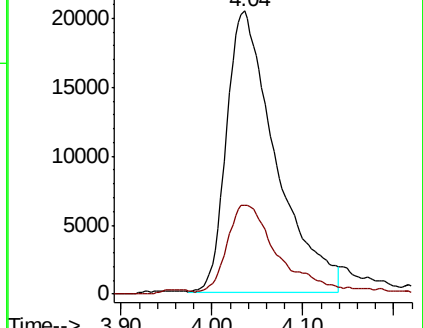
43 100

72 27.3 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VV014667.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VV014667.D (-896) (-)



#23

Bromochloromethane

Concen: 51.008 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Tgt Ion:128 Resp: 37267

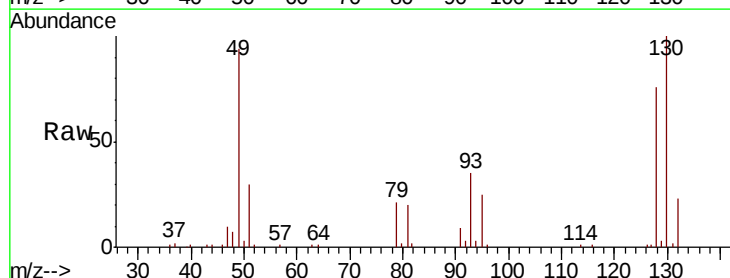
Ion Ratio Lower Upper

128 100

49 124.1 89.7 166.5

130 132.3 85.0 158.0

51 39.8 30.0 45.0

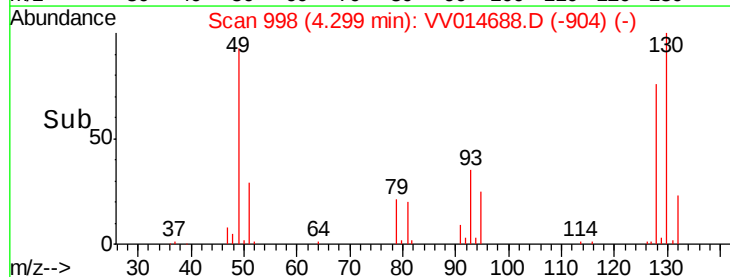
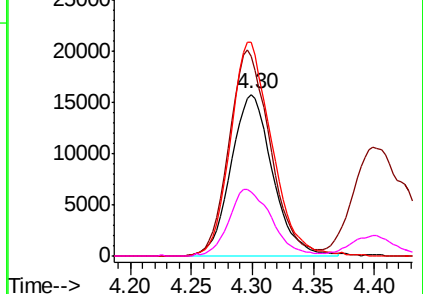


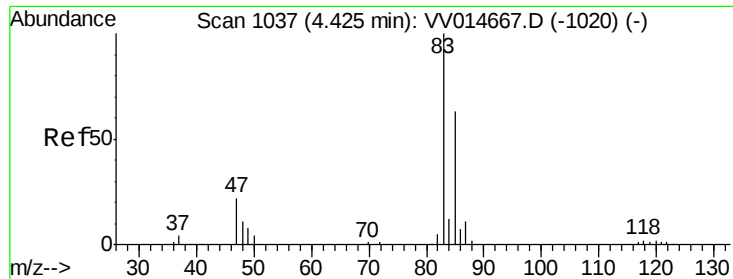
Abundance Ion 128.00 (127.70 to 128.70): VV014667.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV014667.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV014667.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV014667.D (-983) (-)

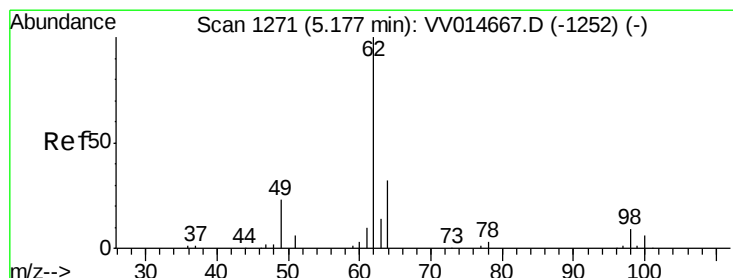
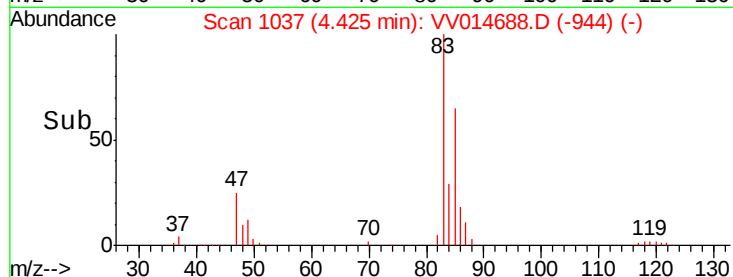
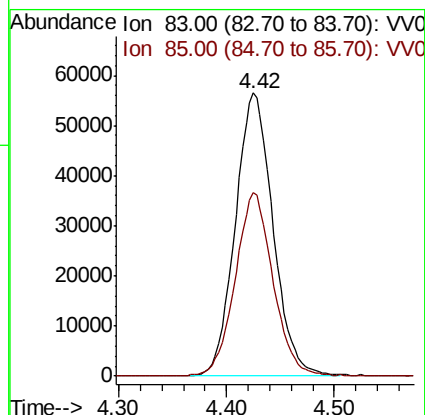
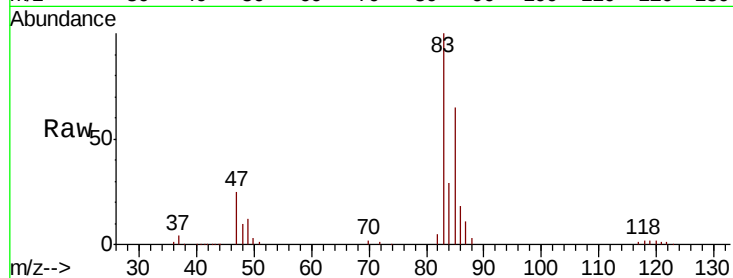




#25
Chloroform
Concen: 52.884 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014688.D
Acq: 22 Feb 2020 05:18

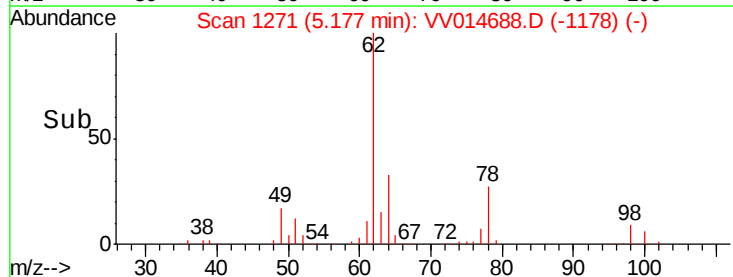
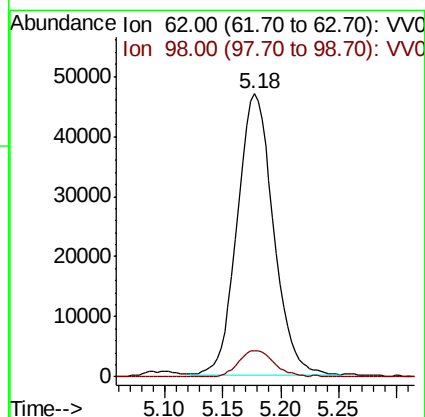
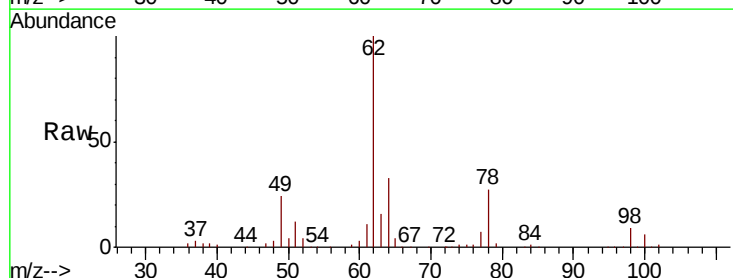
Instrument :
MSVOA_V
ClientSampleId :

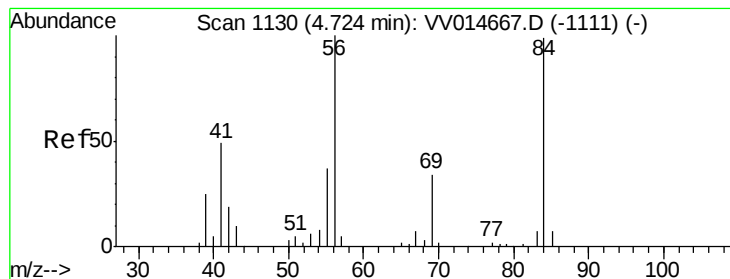
Tot Ion: 83 Resp: 137389
Ion Ratio Lower Upper
83 100
85 64.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 53.383 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014688.D
Acq: 22 Feb 2020 05:18

Tgt Ion: 62 Resp: 101634
Ion Ratio Lower Upper
62 100
98 9.4 7.8 11.6





#29

Cyclohexane

Concen: 49.912 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Instrument :
MSVOA_V
ClientSampled :

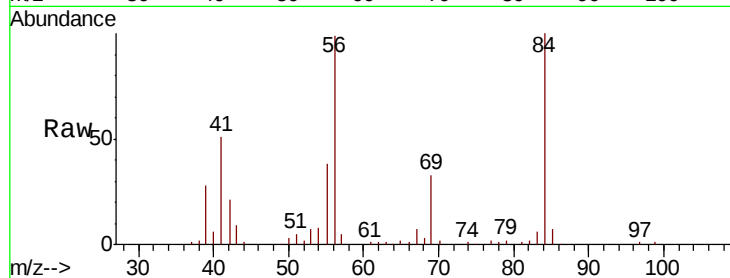
Tot Ion: 56 Resp: 91319

Ion Ratio Lower Upper

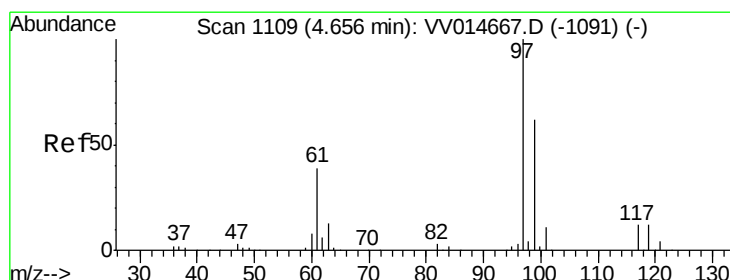
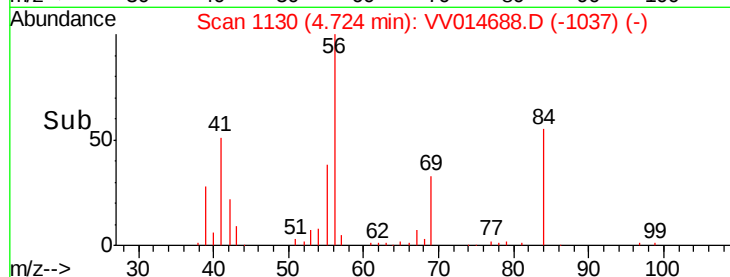
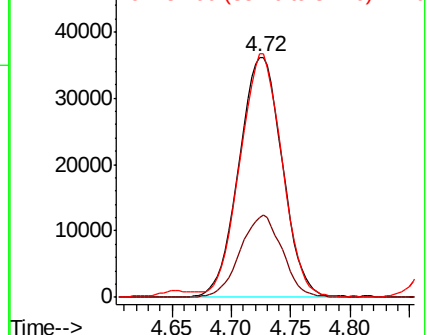
56 100

69 33.1 26.9 40.3

84 98.2 78.2 117.2



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 53.620 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

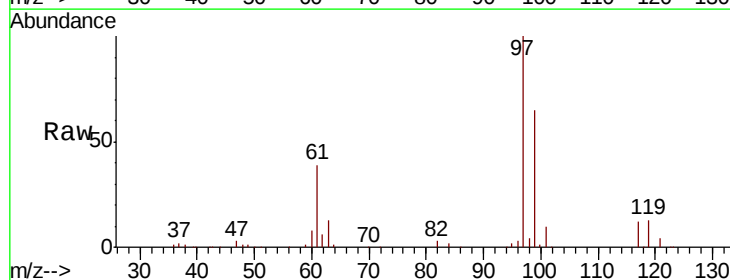
Tgt Ion: 97 Resp: 122073

Ion Ratio Lower Upper

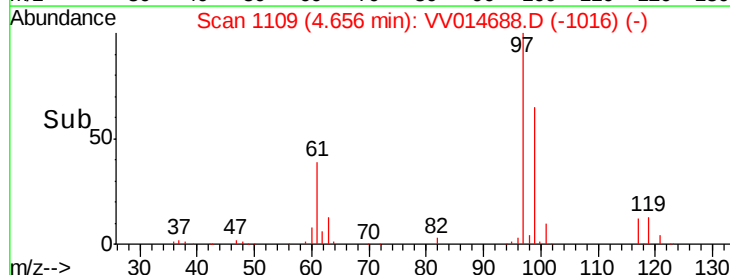
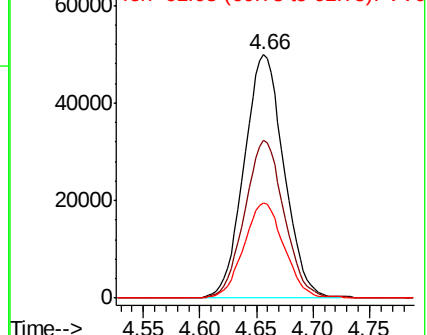
97 100

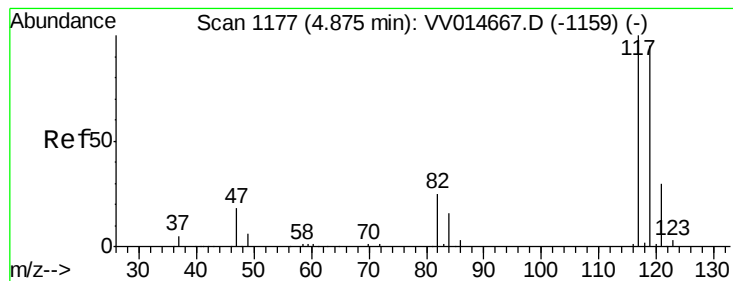
99 64.1 52.0 78.0

61 39.4 31.4 47.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 53.103 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Instrument :

MSVOA_V

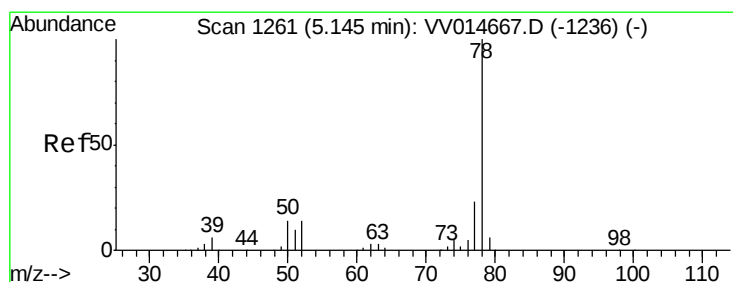
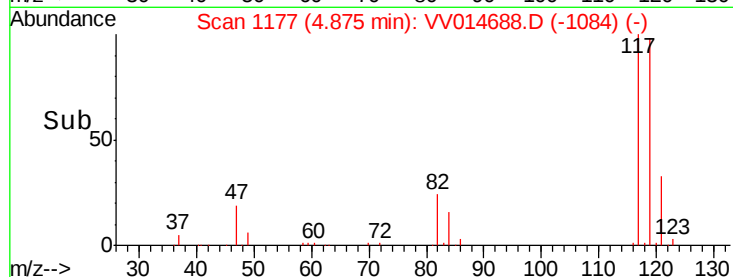
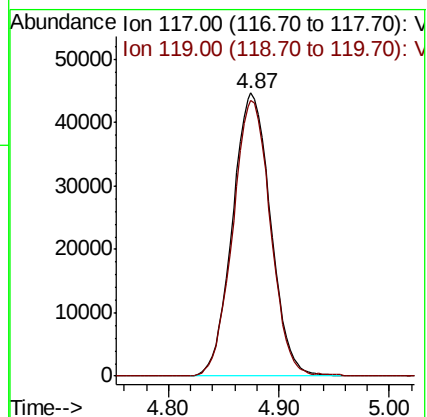
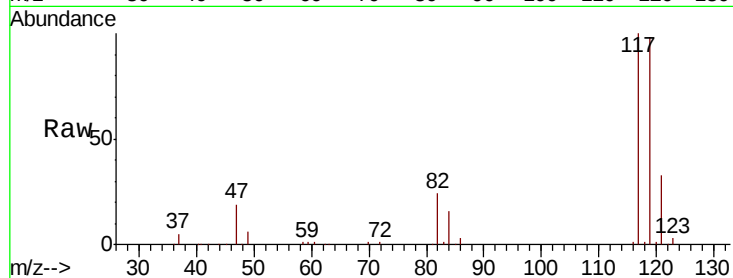
ClientSampleId :

Tot Ion:117 Resp: 106968

Ion Ratio Lower Upper

117 100

119 95.9 76.9 115.3



#33

Benzene

Concen: 51.445 ug/L

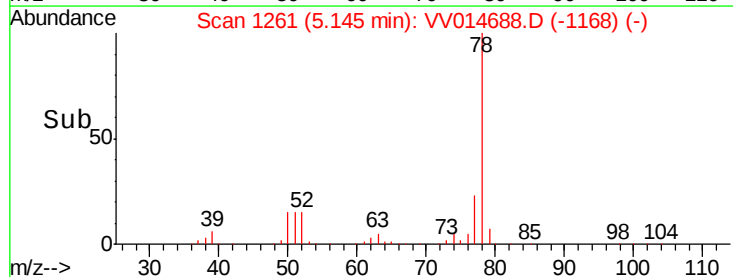
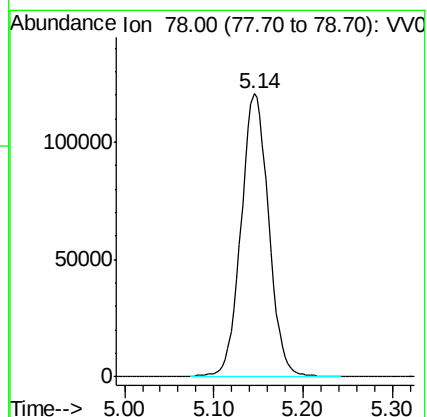
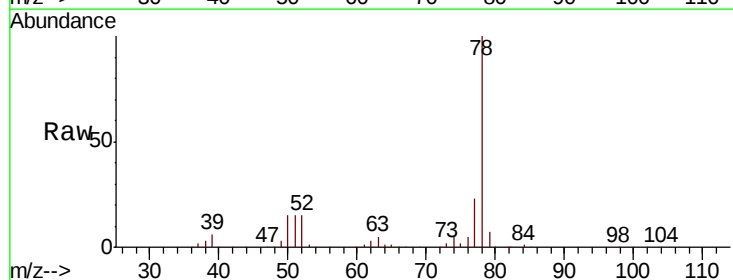
RT: 5.14 min Scan# 1261

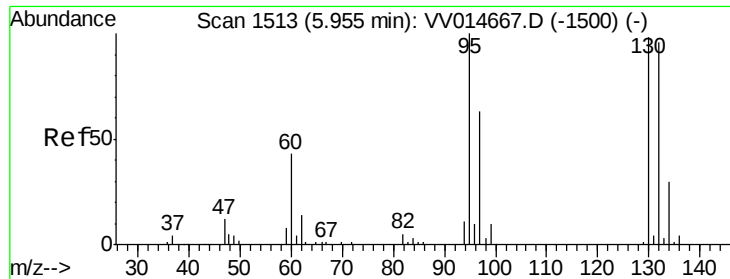
Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Tgt Ion: 78 Resp: 259734

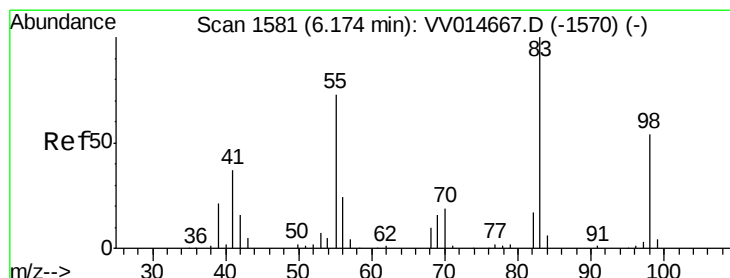
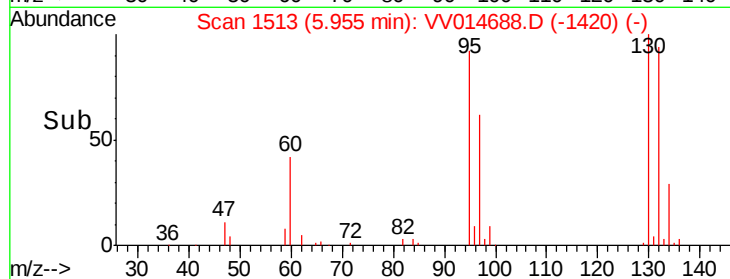
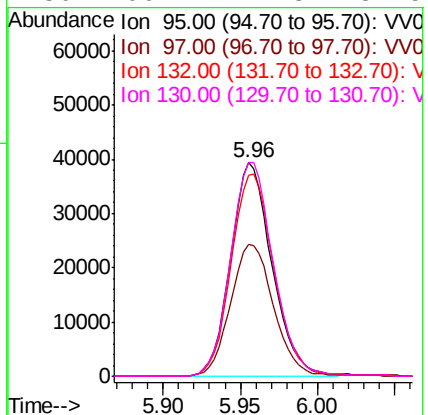
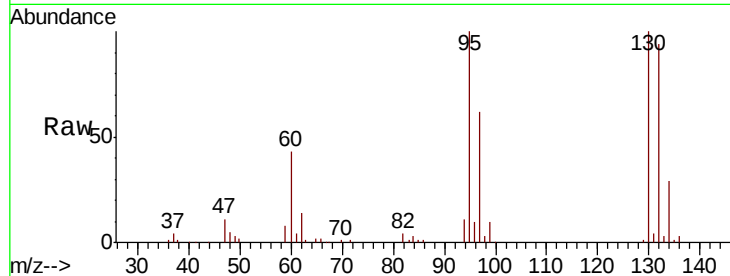




#34
 Trichloroethene
 Concen: 49.618 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

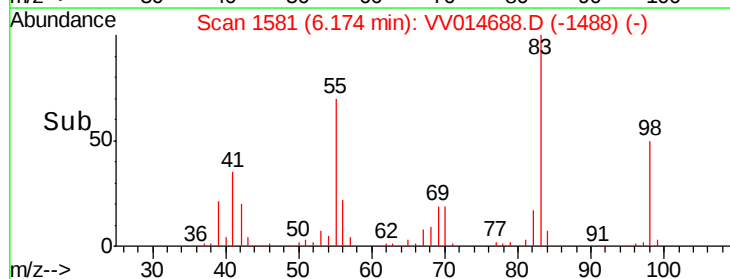
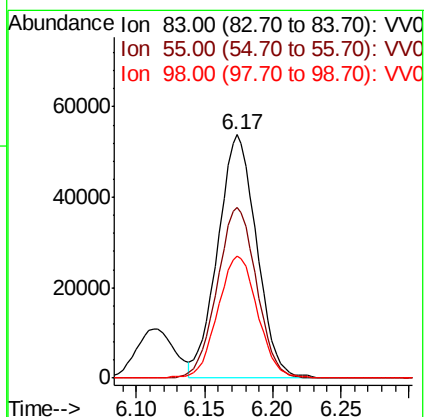
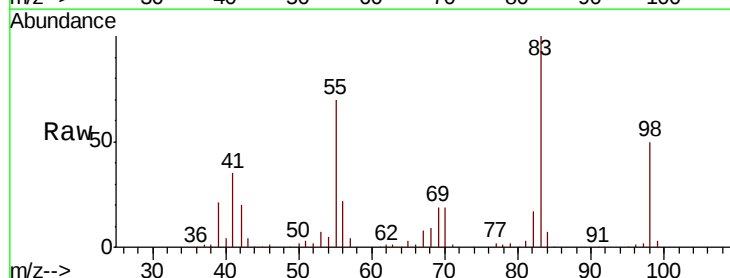
Instrument :
 MSVOA_V
 ClientSampled :

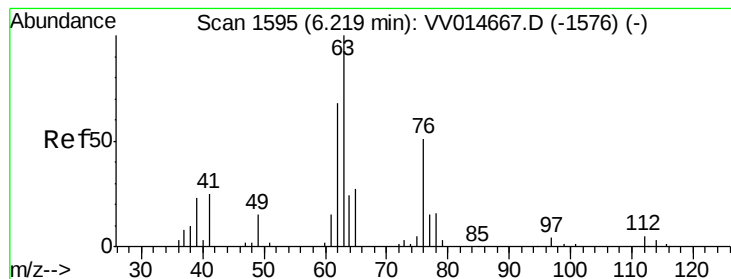
Tot Ion: 95 Resp: 72922
 Ion Ratio Lower Upper
 95 100
 97 61.9 44.3 82.3
 132 94.1 69.7 129.4
 130 100.2 71.3 132.5



#35
 Methylcyclohexane
 Concen: 50.827 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

Tgt Ion: 83 Resp: 106628
 Ion Ratio Lower Upper
 83 100
 55 70.9 56.1 84.1
 98 51.4 40.4 60.6





#37

1,2-Dichloropropane

Concen: 51.627 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Instrument :

MSVOA_V

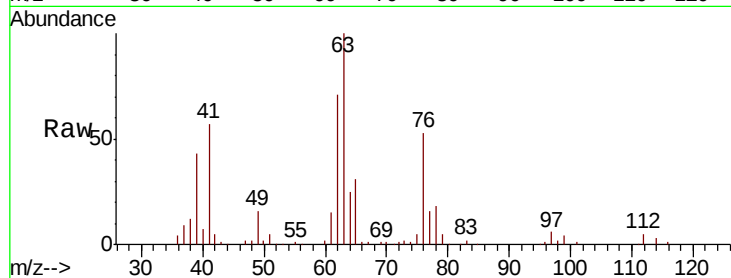
ClientSampleId :

Tot Ion: 63 Resp: 63753

Ion Ratio Lower Upper

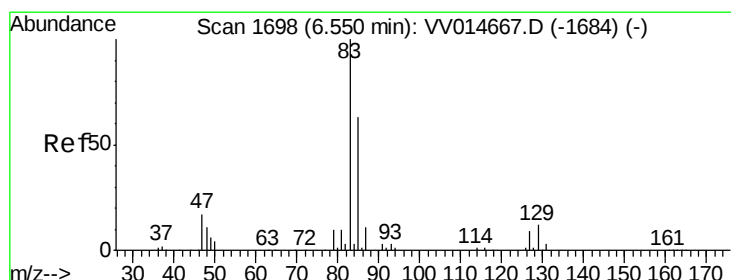
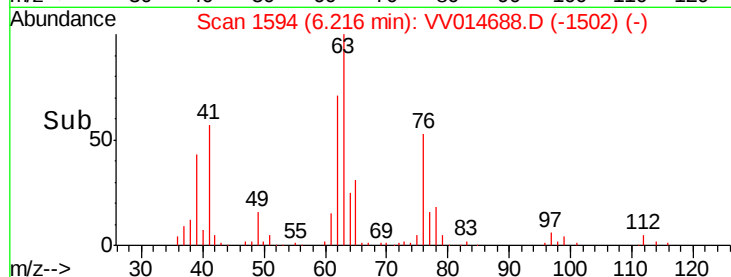
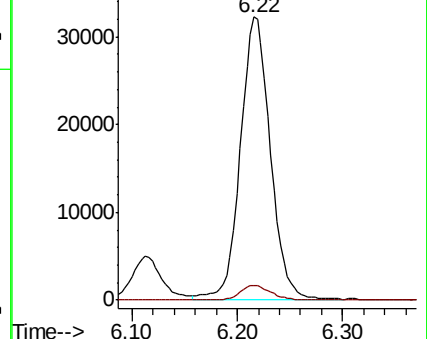
63 100

112 5.3 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 52.628 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

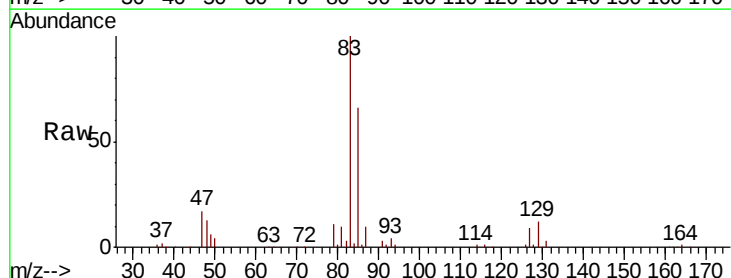
Tgt Ion: 83 Resp: 100167

Ion Ratio Lower Upper

83 100

85 65.8 44.2 82.2

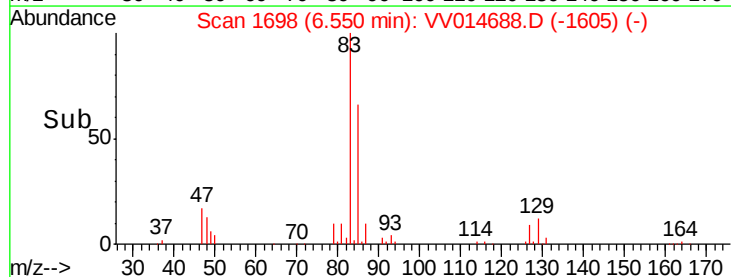
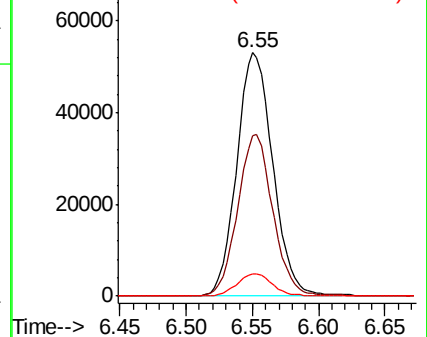
127 9.1 6.7 10.1

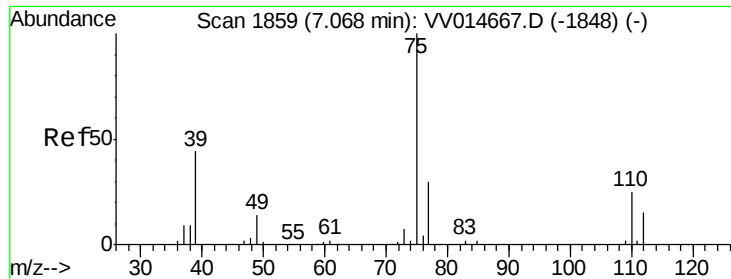


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

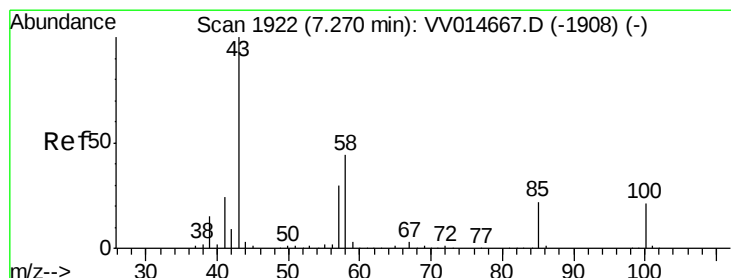
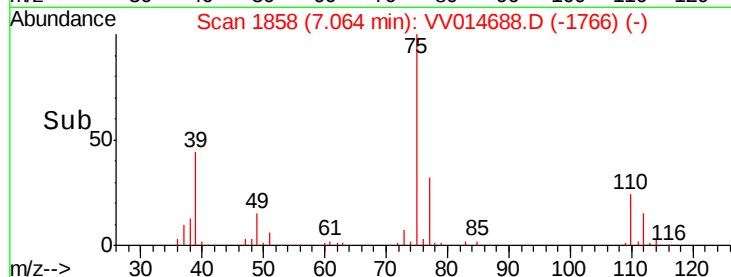
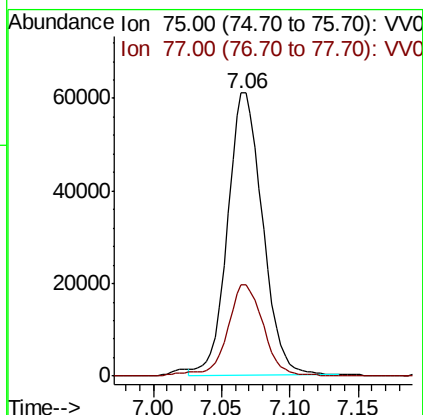
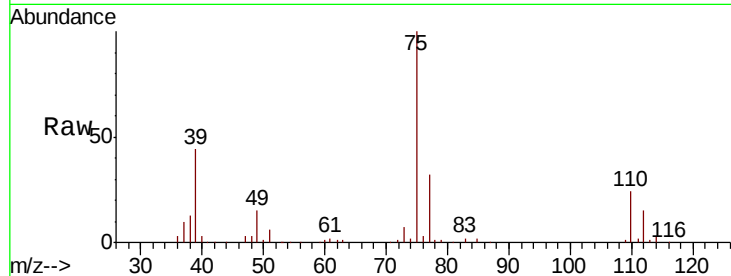




#39
 cis-1,3-Dichloropropene
 Concen: 49.412 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

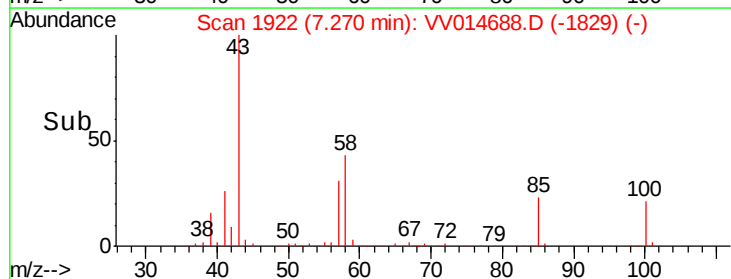
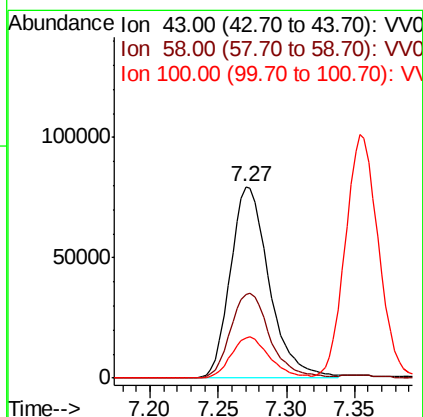
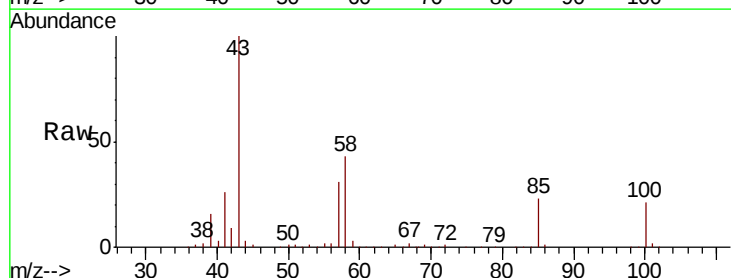
Instrument :
 MSVOA_V
 ClientSampleId :

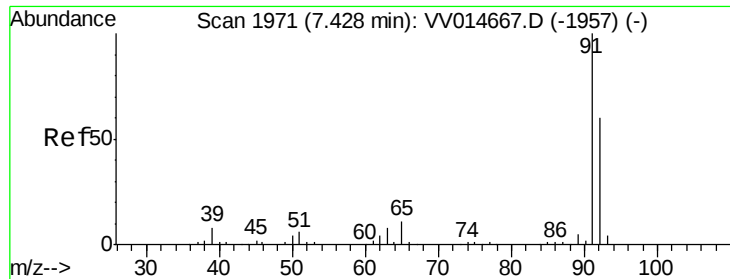
Tot Ion: 75 Resp: 108970
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 102.847 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

Tgt Ion: 43 Resp: 157328
 Ion Ratio Lower Upper
 43 100
 58 44.8 35.7 53.5
 100 21.4 16.8 25.2





#42

Toluene

Concen: 52.433 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

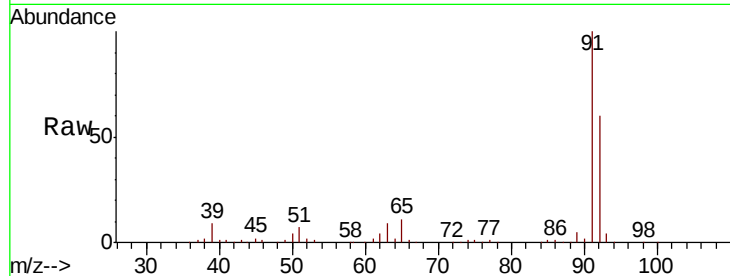
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 286209

Ion Ratio Lower Upper

91 100

92 59.7 41.9 77.7



Abundance Ion 91.00 (90.70 to 91.70): VV014667.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV014667.D (-1957) (-)

7.43

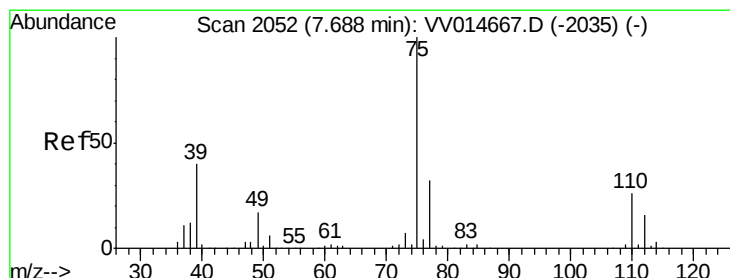
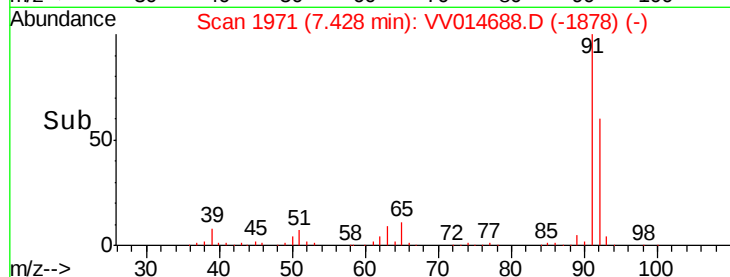
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.120 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014688.D

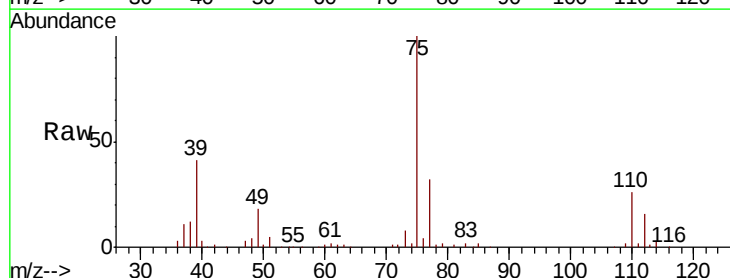
Acq: 22 Feb 2020 05:18

Tgt Ion: 75 Resp: 100280

Ion Ratio Lower Upper

75 100

77 32.3 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV014667.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV014667.D (-2035) (-)

7.69

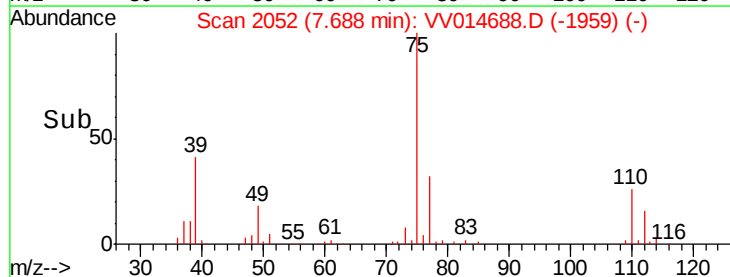
60000

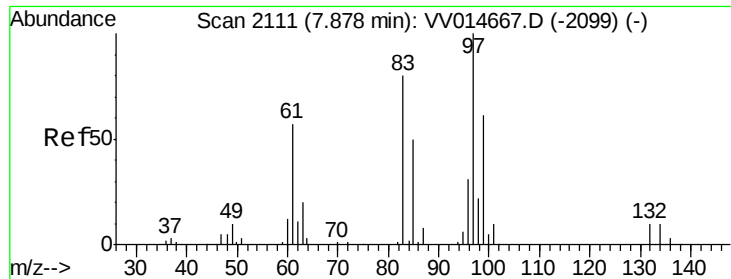
40000

20000

0

Time-->

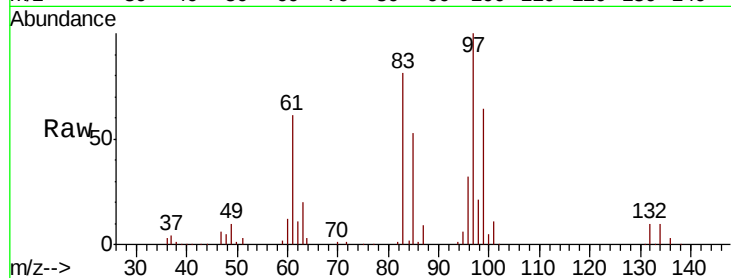




#45
1,1,2-Trichloroethane
Concen: 53.031 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014688.D
Acq: 22 Feb 2020 05:18

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	70093
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.7	81.1
83	81.1	57.3	106.5
85	53.1	37.1	68.9



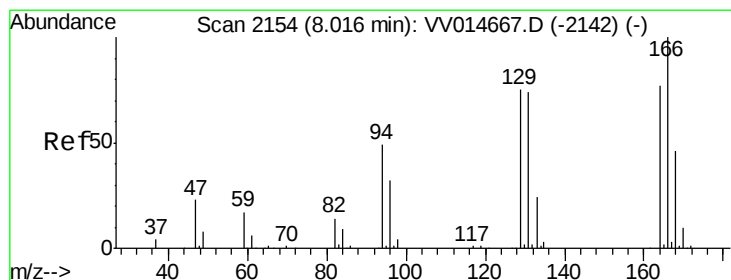
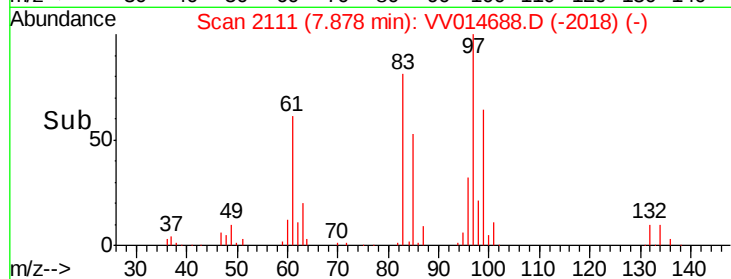
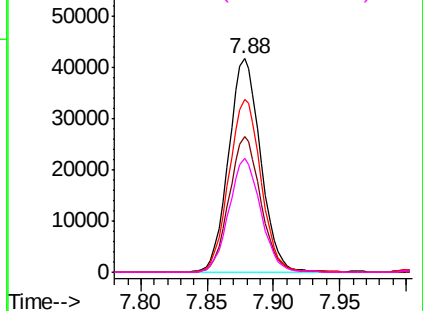
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

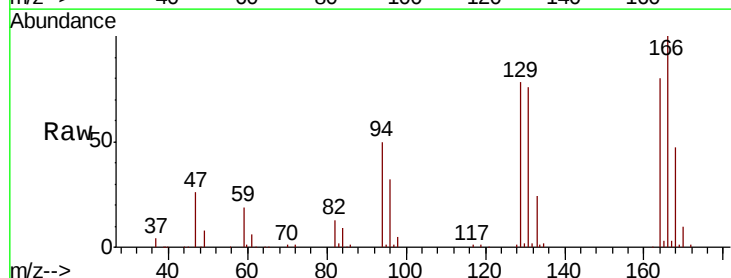
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 52.005 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV014688.D
Acq: 22 Feb 2020 05:18

Tgt Ion:	164	Resp:	55293
Ion	Ratio	Lower	Upper
164	100		
129	97.9	70.3	130.7
131	95.3	66.8	124.0
166	125.5	88.8	165.0



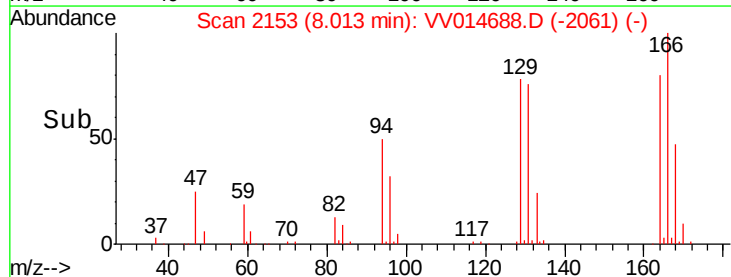
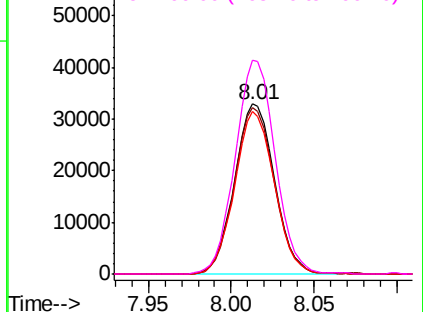
Abundance

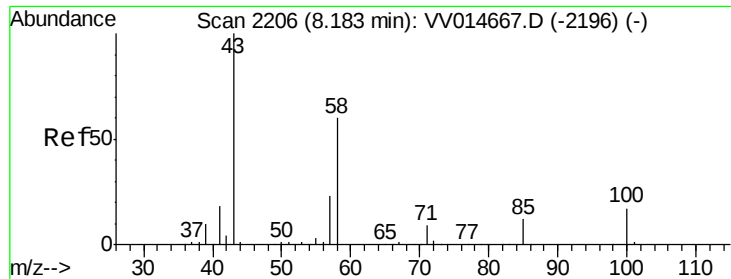
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

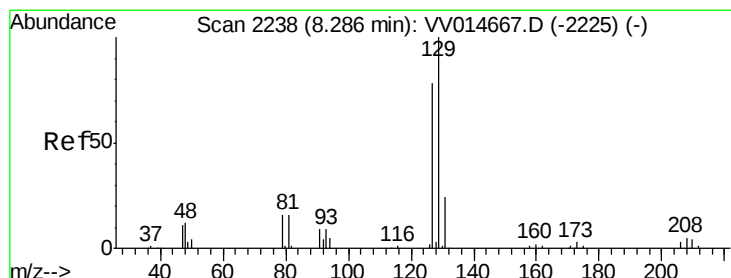
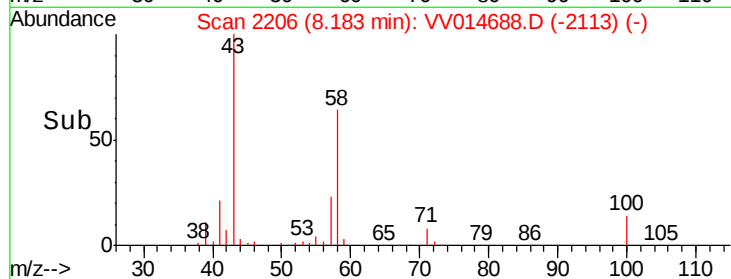
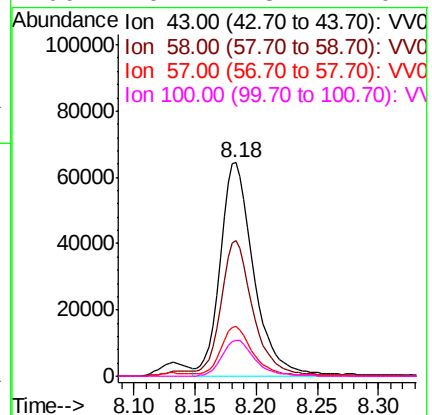
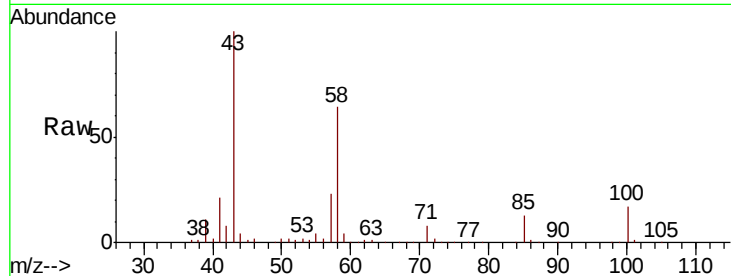




#48
2-Hexanone
Concen: 103.387 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014688.D
Acq: 22 Feb 2020 05:18

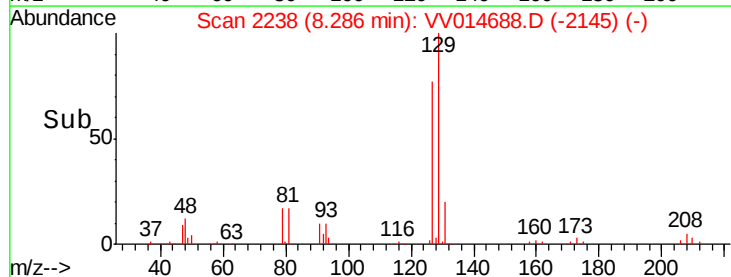
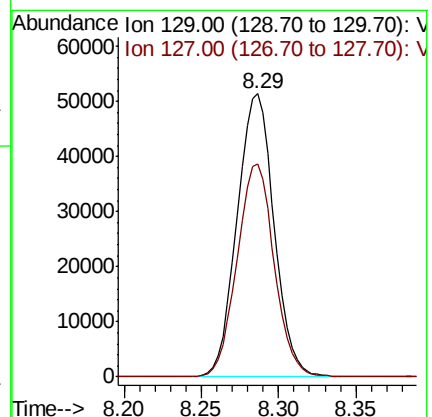
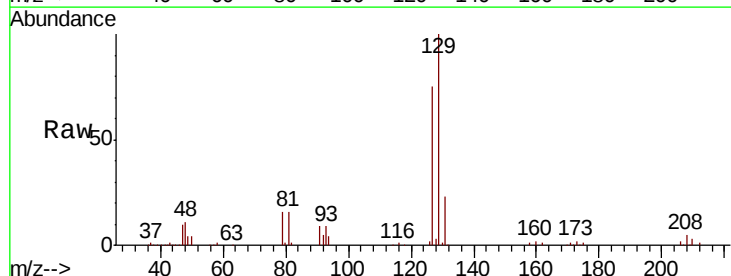
Instrument :
MSVOA_V
ClientSampleId :

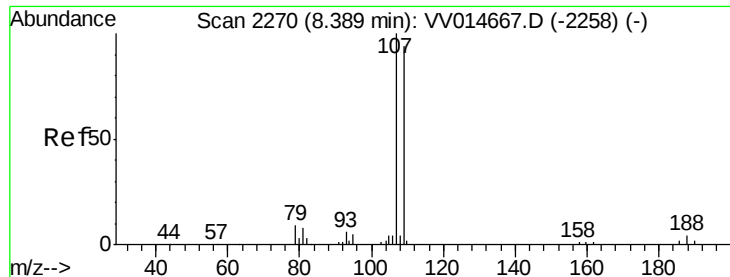
Tot Ion: 43 Resp: 124044
Ion Ratio Lower Upper
43 100
58 58.1 49.4 74.2
57 21.4 17.8 26.8
100 16.7 13.1 19.7



#49
Dibromochloromethane
Concen: 54.312 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014688.D
Acq: 22 Feb 2020 05:18

Tgt Ion: 129 Resp: 85311
Ion Ratio Lower Upper
129 100
127 75.3 54.5 101.3

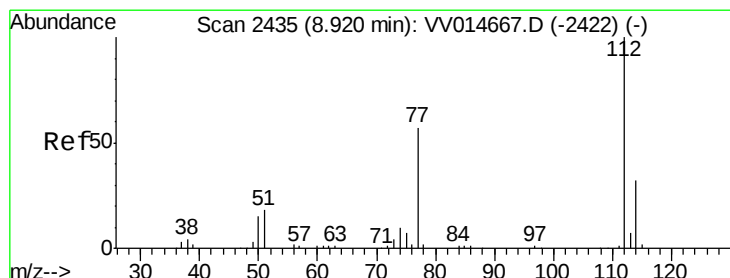
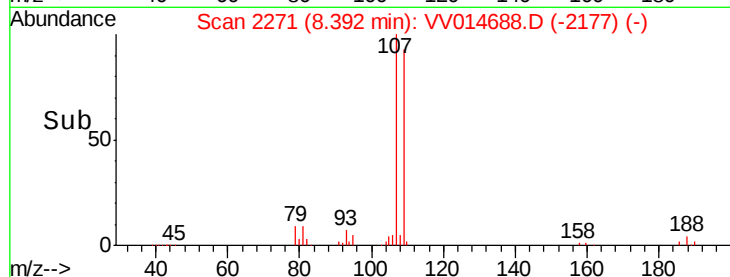
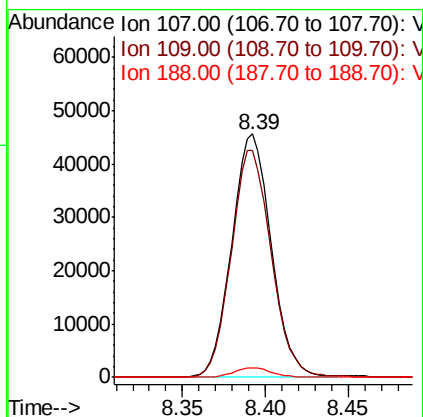
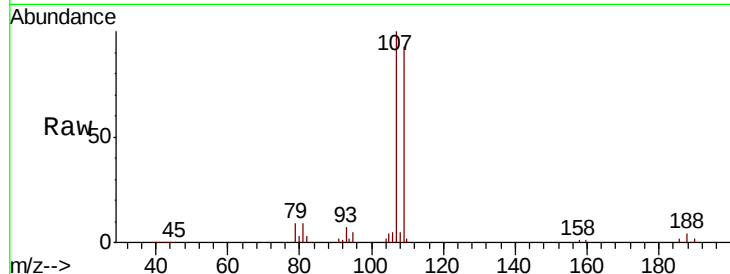




#50
 1,2-Dibromoethane
 Concen: 52.049 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

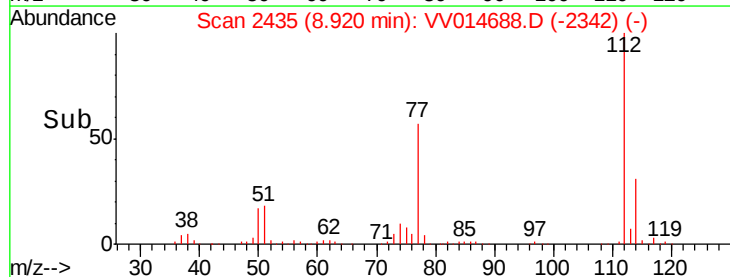
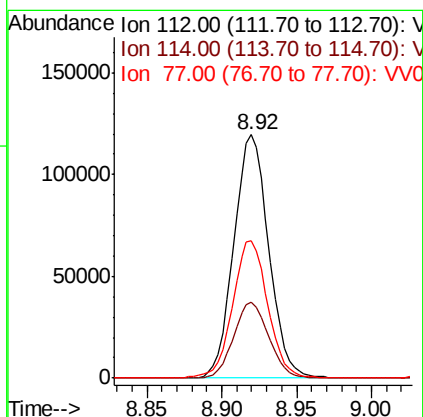
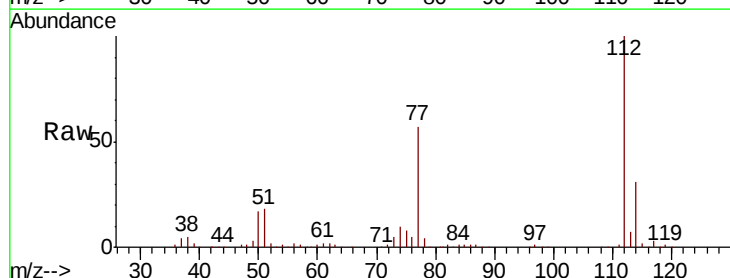
Instrument :
 MSVOA_V
 ClientSampleId :

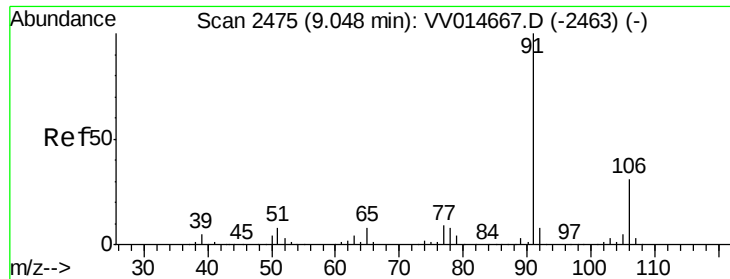
Tot Ion:107 Resp: 75798
 Ion Ratio Lower Upper
 107 100
 109 93.4 66.1 122.7
 188 4.0 2.7 4.1



#51
 Chlorobenzene
 Concen: 52.146 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

Tgt Ion:112 Resp: 193960
 Ion Ratio Lower Upper
 112 100
 114 31.0 22.5 41.7
 77 56.6 45.8 68.8





#52

Ethylbenzene

Concen: 52.489 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

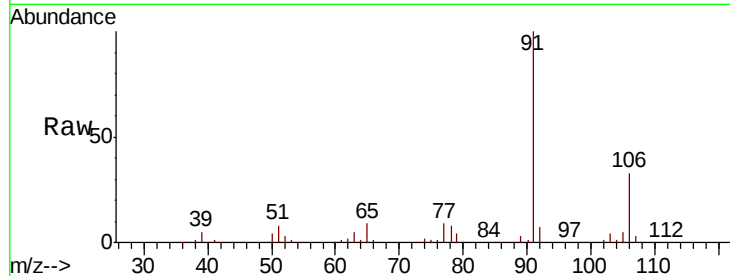
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 328356

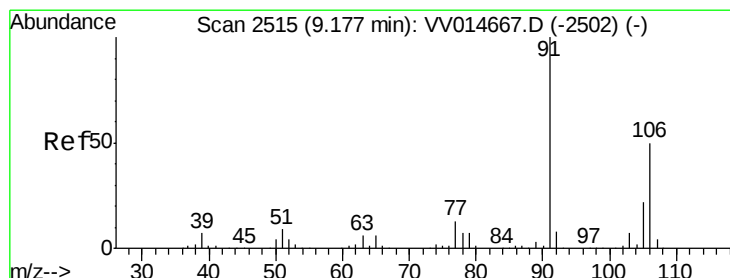
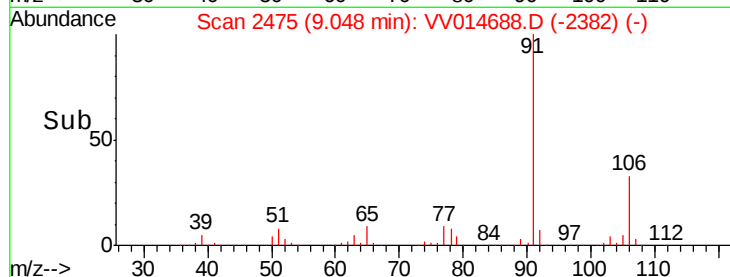
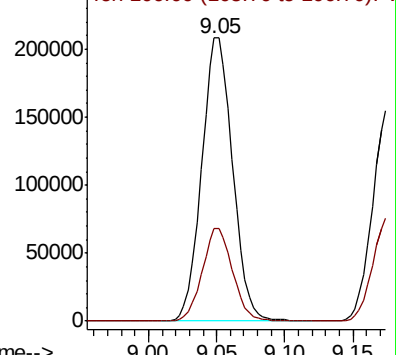
Ion Ratio Lower Upper

91 100

106 32.5 21.7 40.3



Abundance Ion 91.00 (90.70 to 91.70): VV014667.D (-2463) (-)



#53

m,p-Xylene

Concen: 52.585 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014688.D

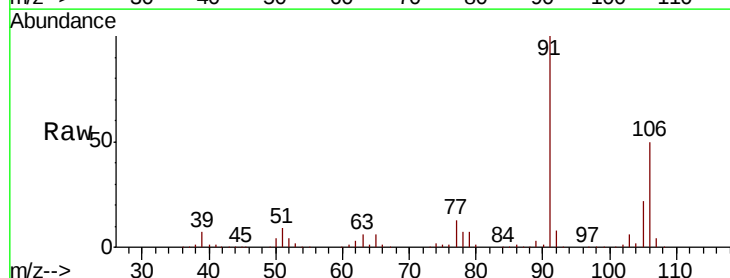
Acq: 22 Feb 2020 05:18

Tgt Ion: 106 Resp: 127183

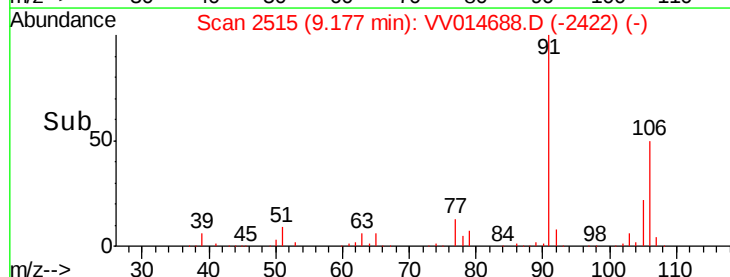
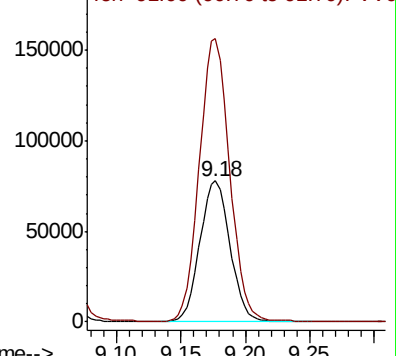
Ion Ratio Lower Upper

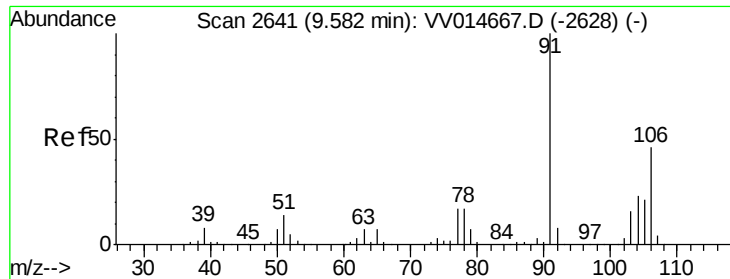
106 100

91 200.4 139.9 259.9



Abundance Ion 106.00 (105.70 to 106.70): VV014688.D (-2422) (-)





#54

o-xylene

Concen: 52.025 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

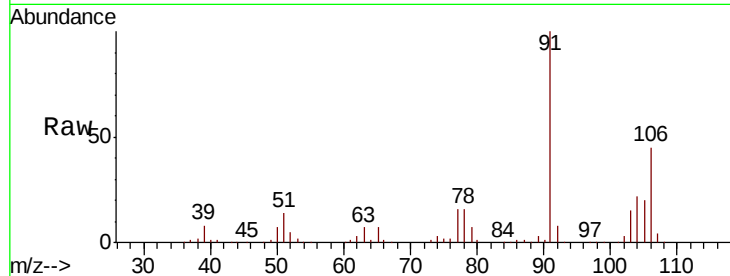
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 122463

Ion Ratio Lower Upper

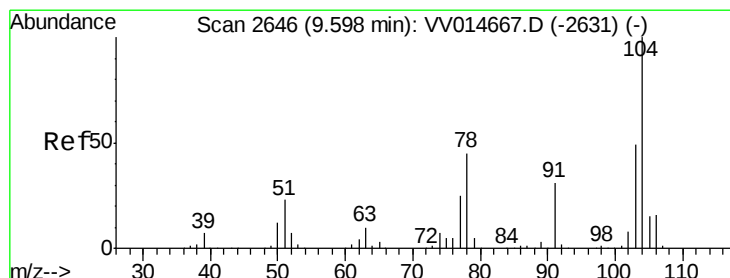
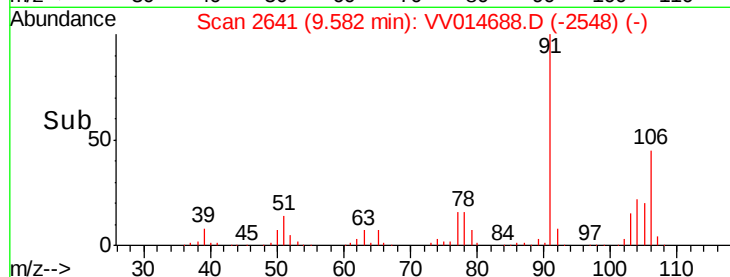
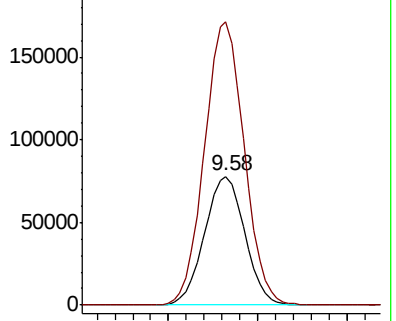
106 100

91 219.9 152.7 283.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.897 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014688.D

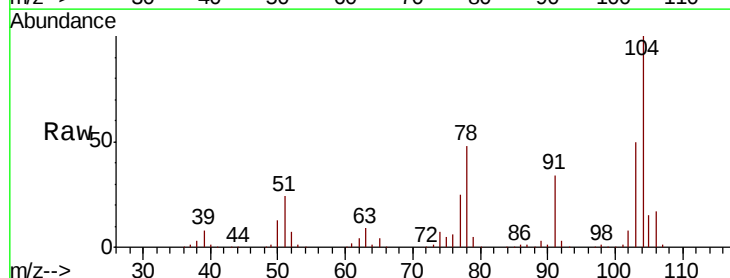
Acq: 22 Feb 2020 05:18

Tgt Ion:104 Resp: 211530

Ion Ratio Lower Upper

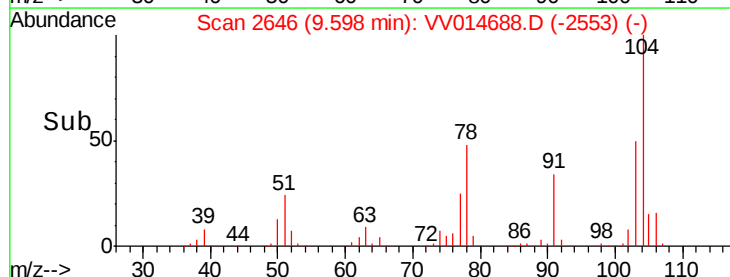
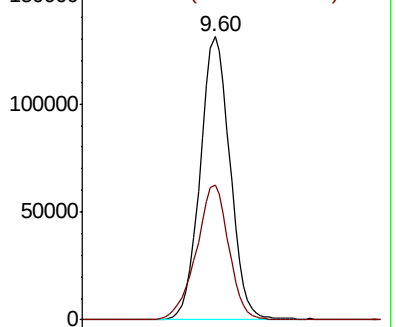
104 100

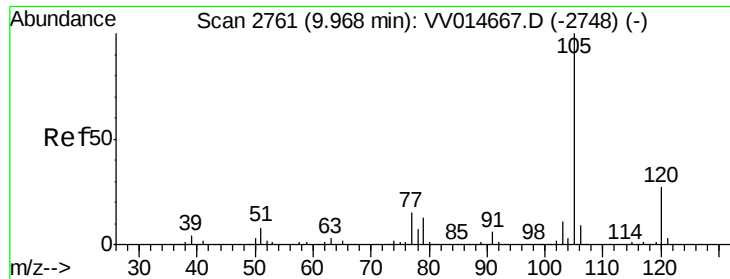
78 47.6 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.390 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Instrument :
MSVOA_V
ClientSampled :

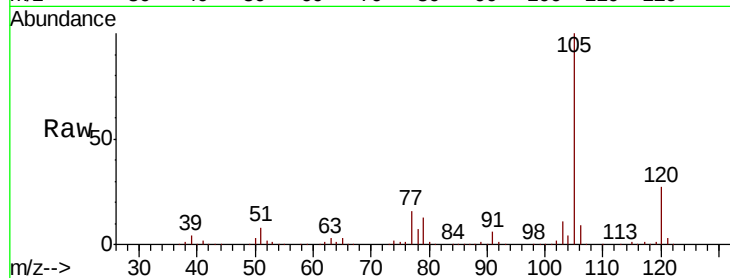
Tot Ion:105 Resp: 332233

Ion Ratio Lower Upper

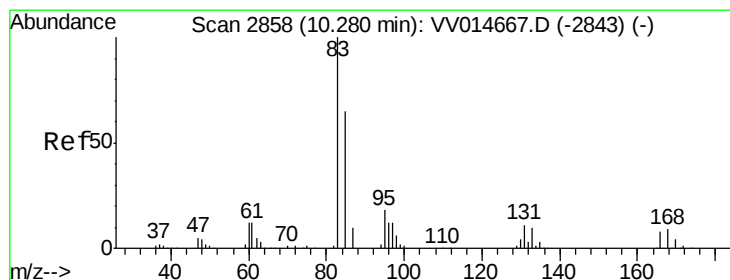
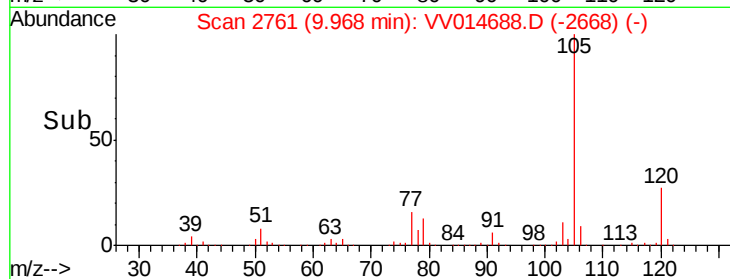
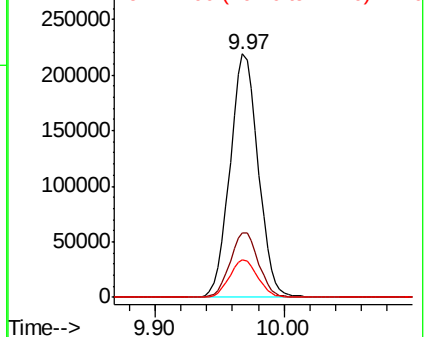
105 100

120 26.7 21.4 32.2

77 15.5 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 53.330 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

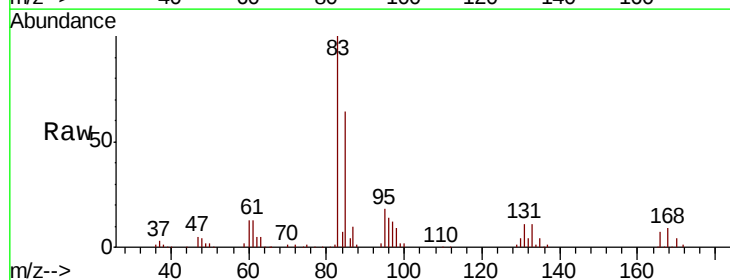
Tgt Ion: 83 Resp: 108531

Ion Ratio Lower Upper

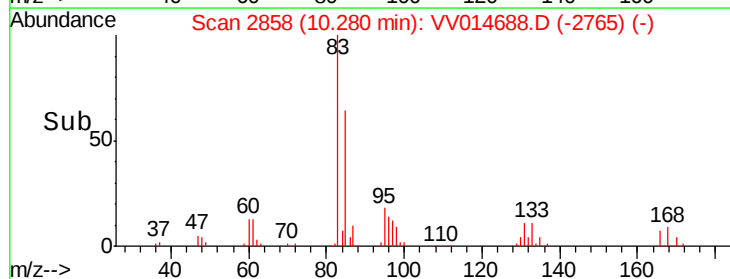
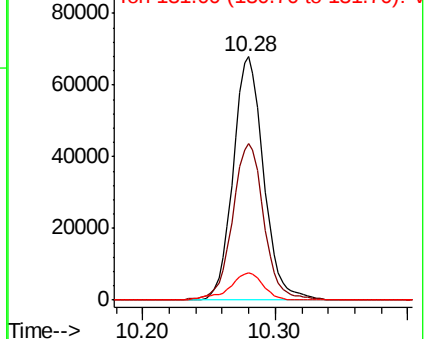
83 100

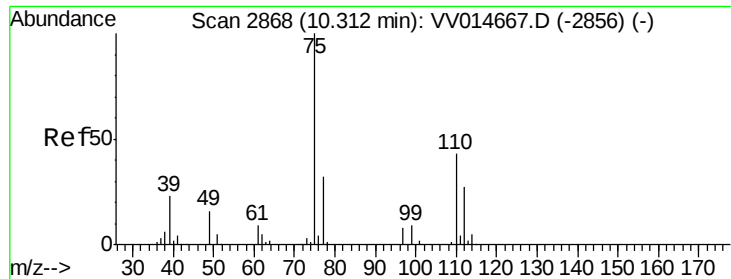
85 64.3 45.7 84.9

131 11.4 8.8 13.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.134 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Instrument :

MSVOA_V

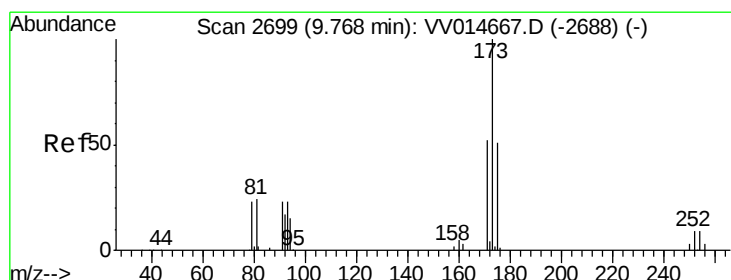
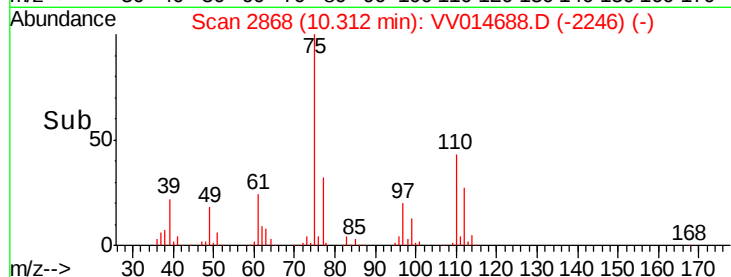
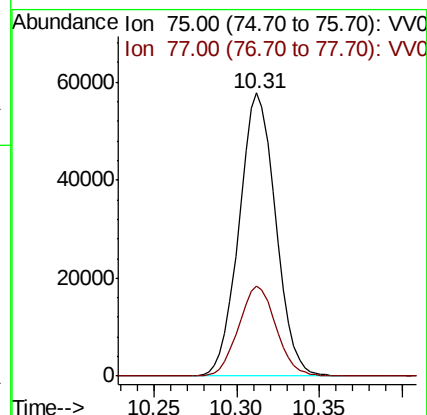
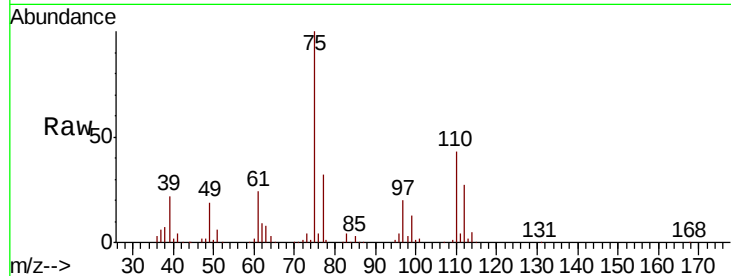
ClientSampleId :

Tot Ion: 75 Resp: 88776

Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5



#61

Bromoform

Concen: 51.948 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

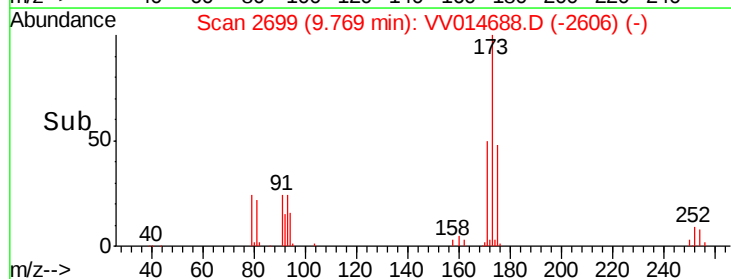
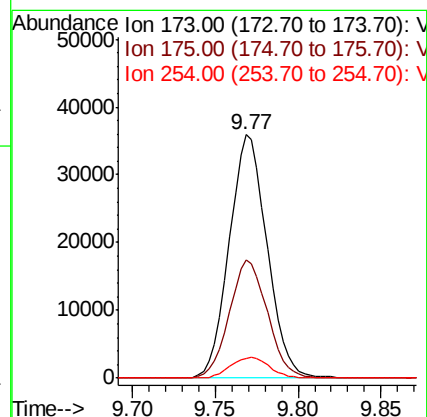
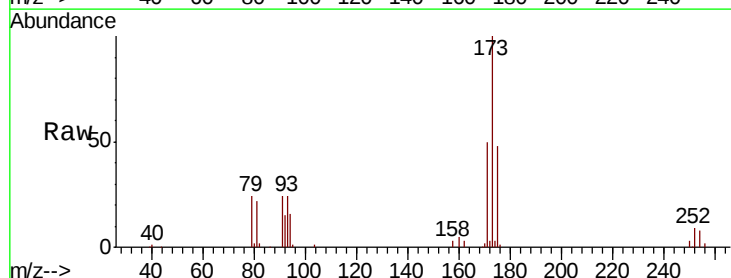
Tgt Ion: 173 Resp: 57049

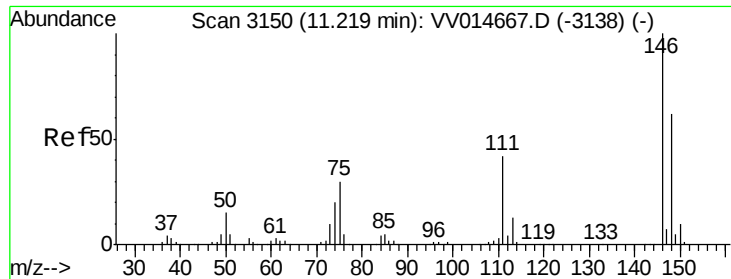
Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

254 8.7 6.7 10.1

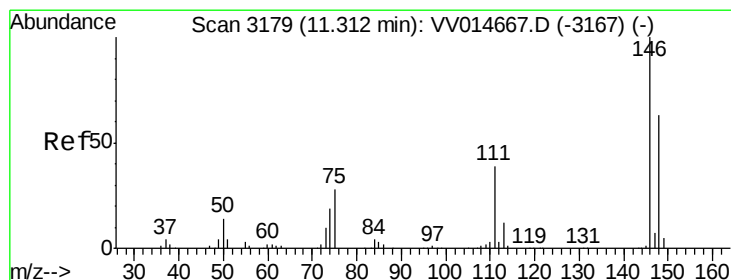
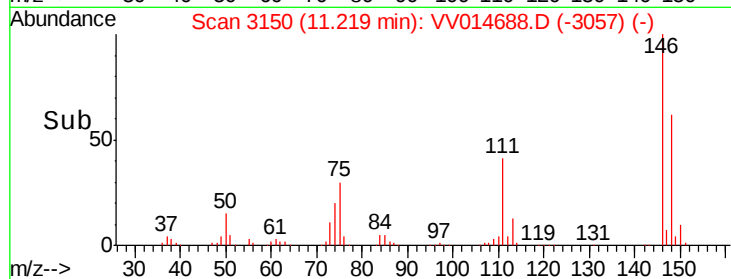
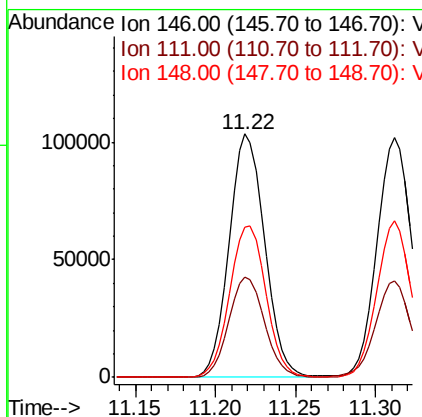
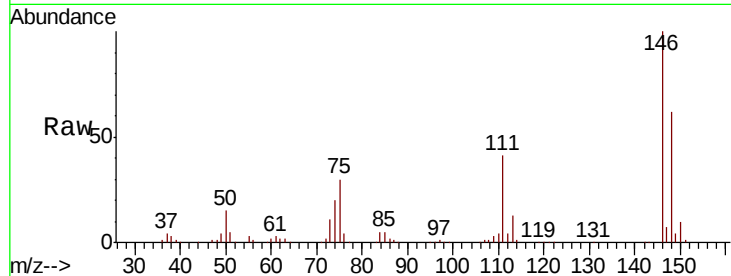




#62
 1,3-Dichlorobenzene
 Concen: 51.723 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

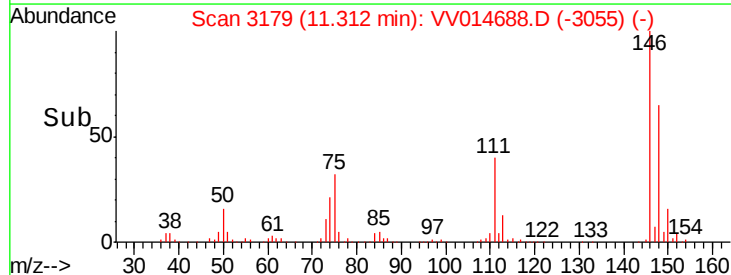
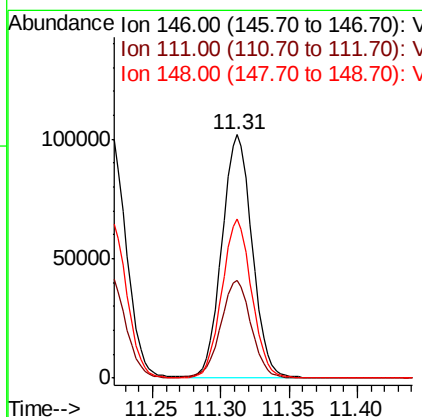
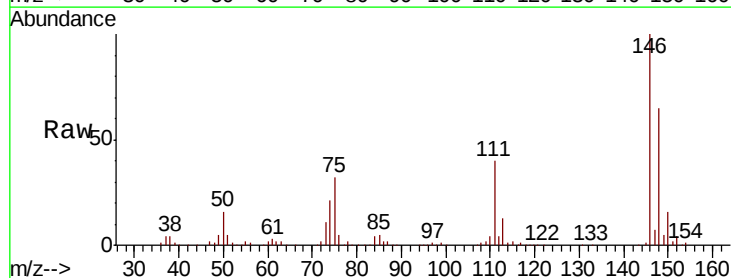
Instrument :
 MSVOA_V
 ClientSampleId :

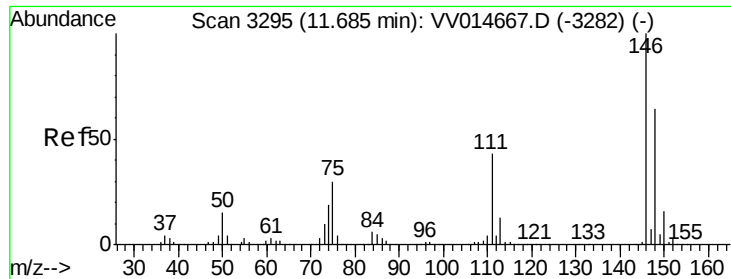
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	29.0	53.9
148	61.9	44.2	82.0



#63
 1,4-Dichlorobenzene
 Concen: 50.395 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	27.6	51.4
148	65.3	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 51.056 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Instrument :

MSVOA_V

ClientSampled :

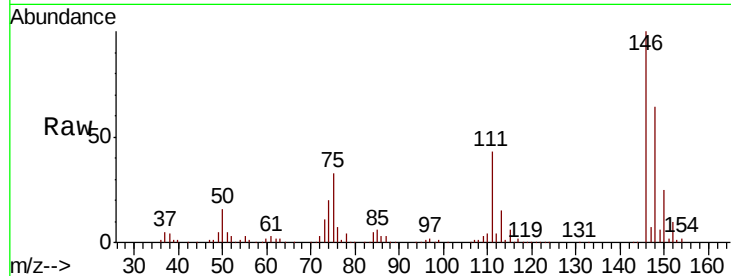
Tot Ion:146 Resp: 154191

Ion Ratio Lower Upper

146 100

111 42.7 34.4 51.6

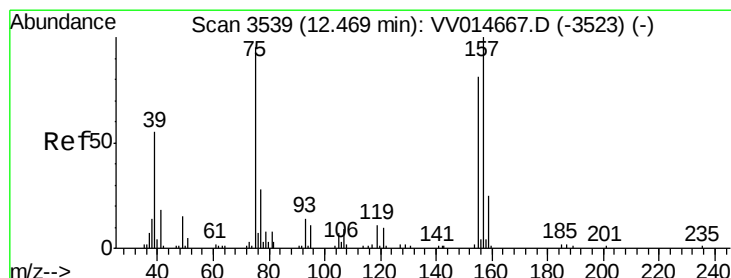
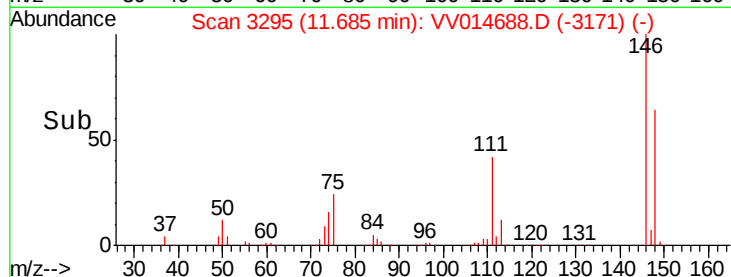
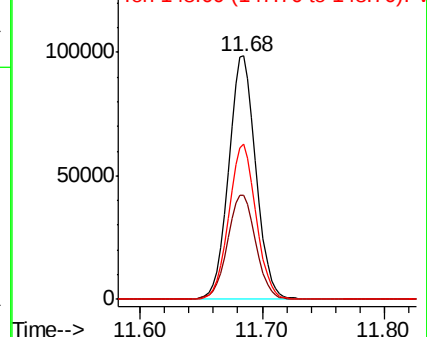
148 63.6 51.6 77.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.573 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

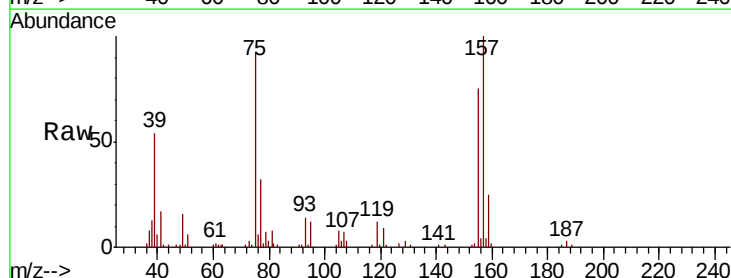
Tgt Ion: 75 Resp: 25969

Ion Ratio Lower Upper

75 100

155 81.5 62.6 93.8

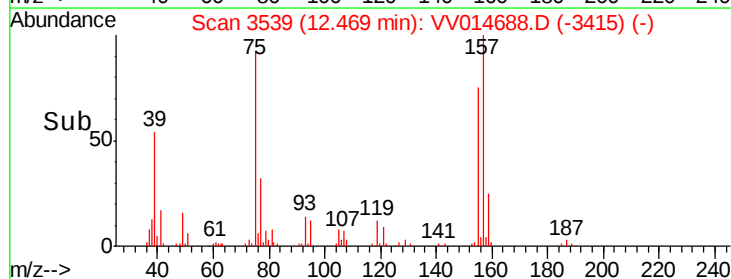
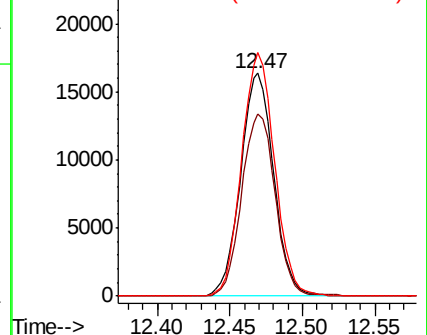
157 109.2 84.7 127.1

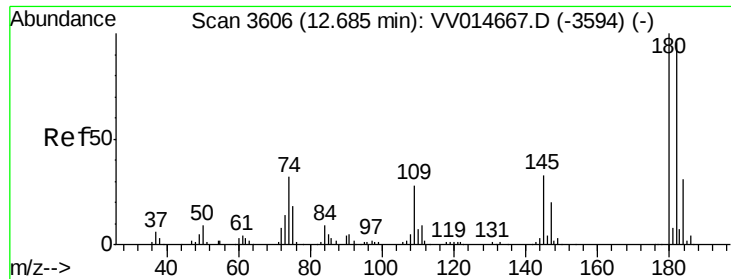


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

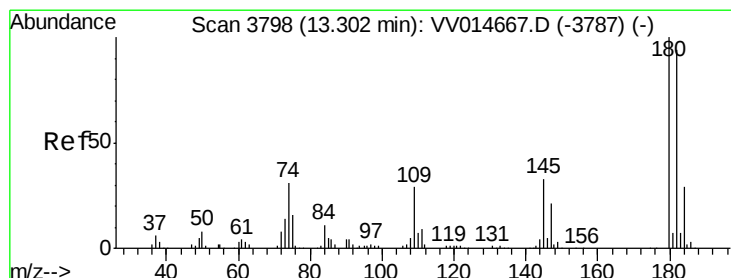
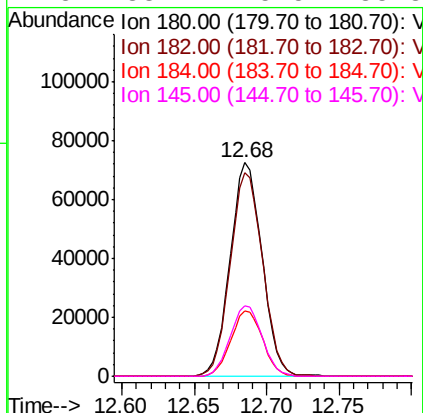
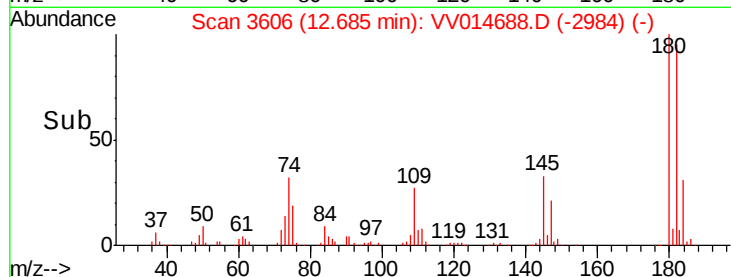
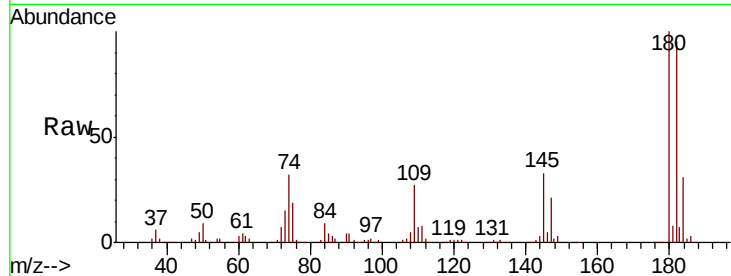




#67
 1,3,5-Trichlorobenzene
 Concen: 49.595 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

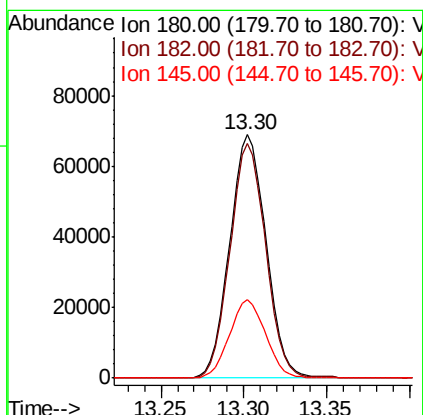
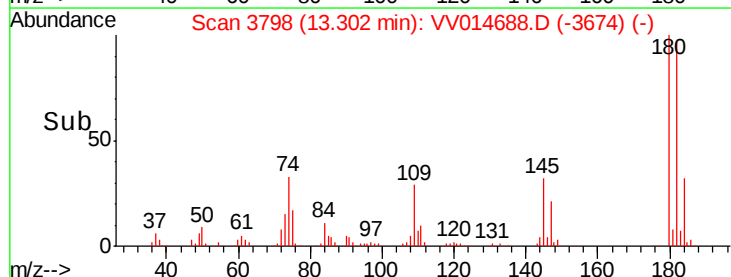
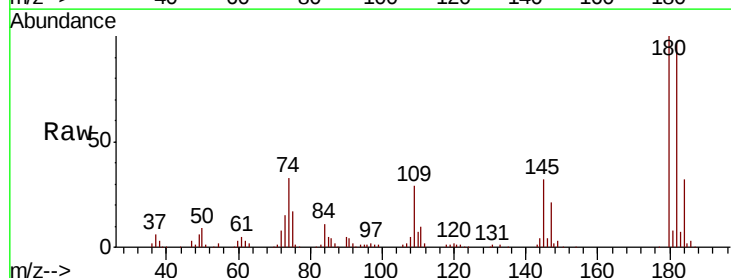
Instrument :
 MSVOA_V
 ClientSampled :

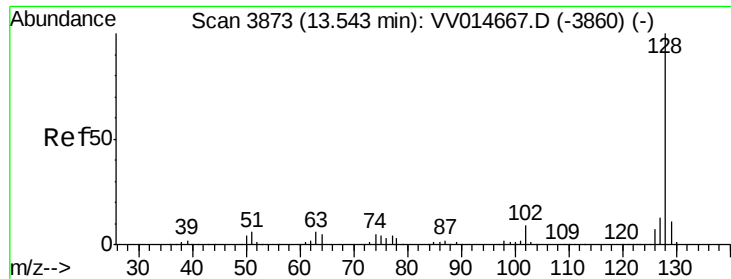
Tot Ion:180 Resp: 110563
 Ion Ratio Lower Upper
 180 100
 182 96.6 75.9 113.9
 184 30.4 23.8 35.8
 145 33.1 25.5 38.3



#68
 1,2,4-trichlorobenzene
 Concen: 50.311 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014688.D
 Acq: 22 Feb 2020 05:18

Tgt Ion:180 Resp: 105206
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.3 112.9
 145 32.0 25.9 38.9





#69

Naphthalene

Concen: 50.046 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

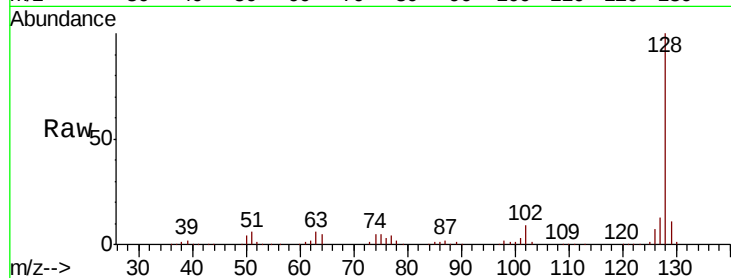
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 351482

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.5	12.7

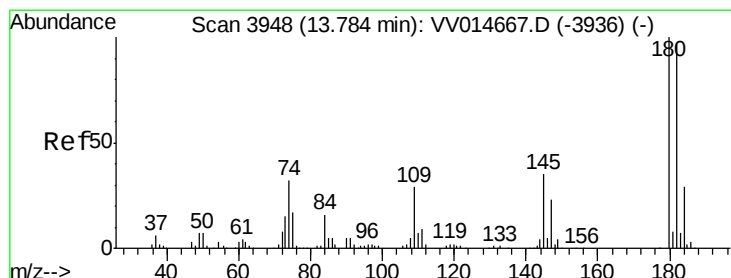
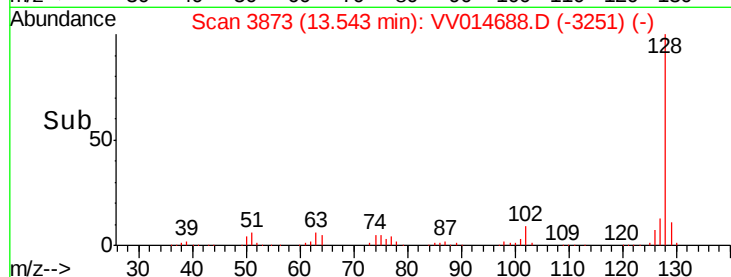
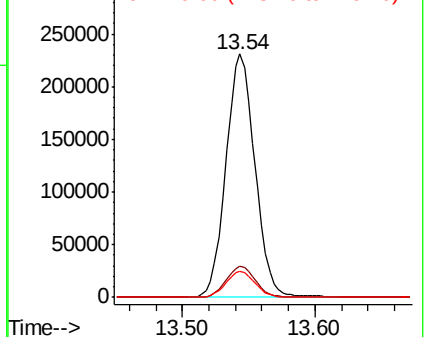


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.470 ug/L

RT: 13.78 min Scan# 3948

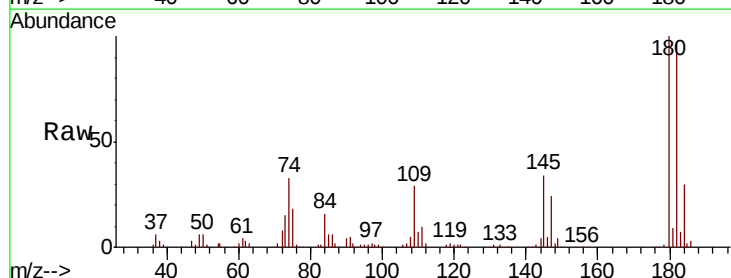
Delta R.T. 0.00 min

Lab File: VV014688.D

Acq: 22 Feb 2020 05:18

Tgt Ion:180 Resp: 106285

Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.4	113.2
145	34.8	28.2	42.2



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

