

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\
 Data File : VV013113.D
 Acq On : 11 Oct 2019 20:43
 Operator : SY/MD
 Sample : MDL01 2.5PPB
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 12 03:29:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 01:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	706657	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	655661	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	273248	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	243367	54.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.96%
7) Chloroethane-d5	1.58	69	207791	56.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.50%
11) 1,1-Dichloroethene-d2	2.13	63	349789	41.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.04%
21) 2-Butanone-d5	3.93	46	380319	113.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.24%
24) Chloroform-d	4.40	84	468613	54.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.08	65	302665	57.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.20%
32) Benzene-d6	5.10	84	1005149	57.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.92%
36) 1,2-Dichloropropane-d6	6.12	67	317374	57.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.82%
41) Toluene-d8	7.36	98	861771	55.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.10%
43) trans-1,3-Dichloropropene-	7.66	79	130647	52.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.24%
47) 2-Hexanone-d5	8.13	63	237411	108.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.87%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	382187	54.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.08%
64) 1,2-Dichlorobenzene-d4	11.67	152	319819	59.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	11562	2.109 ug/L	99
3) Chloromethane	1.25	50	14707	2.358 ug/L	94
5) Vinyl chloride	1.33	62	13474	2.249 ug/L #	69
6) Bromomethane	1.53	94	7366	2.402 ug/L	99
8) Chloroethane	1.60	64	7988	2.241 ug/L	95
9) Trichlorofluoromethane	1.77	101	16183	2.105 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13226	2.920 ug/L #	80
12) 1,1-Dichloroethene	2.14	96	12091	2.759 ug/L #	1
13) Acetone	2.19	43	11895	3.857 ug/L	93
14) Carbon disulfide	2.32	76	30124	2.370 ug/L	100
15) Methyl Acetate	2.46	43	11859	2.170 ug/L	97
16) Methylene chloride	2.54	84	12091	2.319 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	10635	2.237 ug/L	96
18) Methyl tert-butyl Ether	2.80	73	29685	2.069 ug/L	97
19) 1,1-Dichloroethane	3.23	63	18923	2.110 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	11169	2.076 ug/L	99
22) 2-Butanone	4.03	43	12504	3.186 ug/L	90

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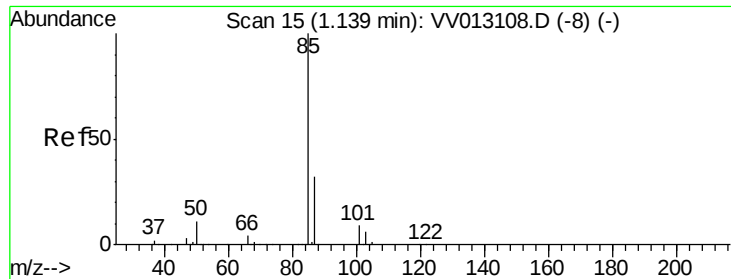
Instrument :
 MSVOA_V
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Quant Time: Oct 12 03:29:01 2019
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	5692	2.083	ug/L	93
25) Chloroform	4.43	83	24940	2.760	ug/L	99
27) 1,2-Dichloroethane	5.18	62	13830	1.997	ug/L #	94
29) Cyclohexane	4.72	56	15073	1.920	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	14875	2.045	ug/L	99
31) Carbon tetrachloride	4.88	117	13500	2.088	ug/L	93
33) Benzene	5.15	78	41601	2.083	ug/L	100
34) Trichloroethene	5.96	95	12082	2.272	ug/L	93
35) Methylcyclohexane	6.17	83	15924	1.980	ug/L	95
38) Bromodichloromethane	6.56	83	13684	2.080	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	14347	1.876	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	24962	3.688	ug/L	95
42) Toluene	7.43	91	43732	2.127	ug/L	93
44) trans-1,3-Dichloropropene	7.69	75	12207	1.841	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	10457	2.130	ug/L	95
46) Tetrachloroethene	8.02	164	9098	2.161	ug/L	91
48) 2-Hexanone	8.18	43	28837	5.509	ug/L	91
49) Dibromochloromethane	8.29	129	10051	1.878	ug/L	94
50) 1,2-Dibromoethane	8.40	107	11070	2.157	ug/L	89
51) Chlorobenzene	8.92	112	27539	2.043	ug/L	93
52) Ethylbenzene	9.05	91	40668	1.852	ug/L	99
53) m,p-Xylene	9.18	106	14605	1.768	ug/L	95
54) o-xylene	9.59	106	14207	1.716	ug/L	95
55) Styrene	9.60	104	21870	1.609	ug/L	97
56) Isopropylbenzene	9.97	105	34252	1.612	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	16646	2.332	ug/L #	97
59) 1,2,3-Trichloropropane	10.32	75	12868	2.044	ug/L	100
61) Bromoform	9.77	173	7591	2.208	ug/L #	92
62) 1,3-Dichlorobenzene	11.22	146	18865	2.135	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	20909	2.356	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	21554	2.396	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	2814	2.151	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	12708	2.017	ug/L	92
68) 1,2,4-trichlorobenzene	13.31	180	12456	2.305	ug/L	92
69) Naphthalene	13.55	128	25640	1.722	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	12019	2.079	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 2.109 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Instrument :

MSVOA_V

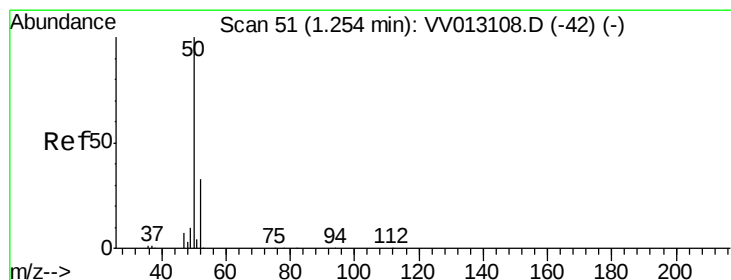
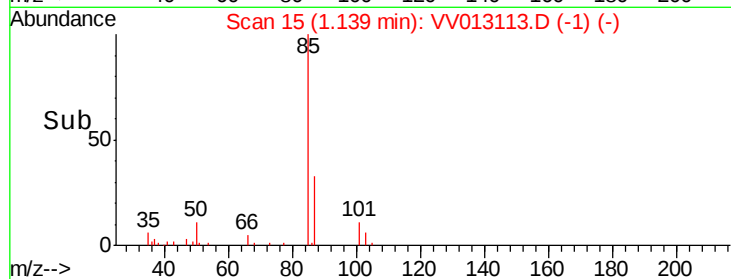
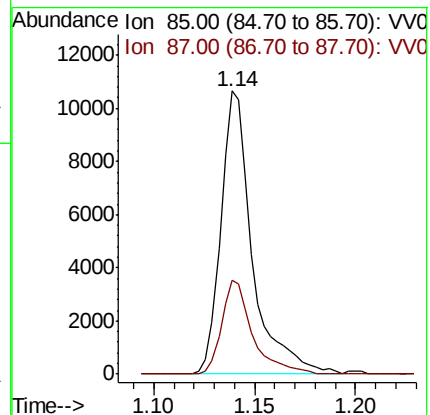
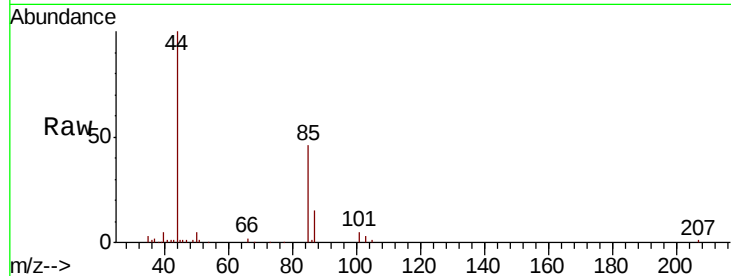
ClientSampled :

Tot Ion: 85 Resp: 11562

Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



#3

Chloromethane

Concen: 2.358 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV013113.D

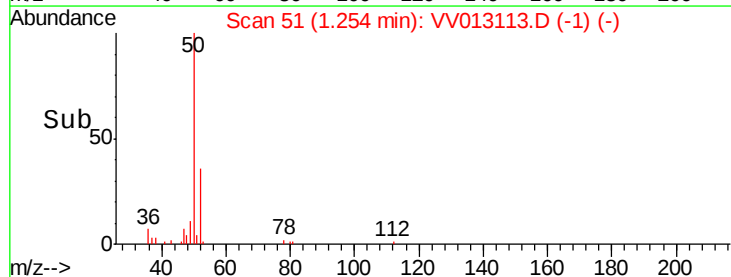
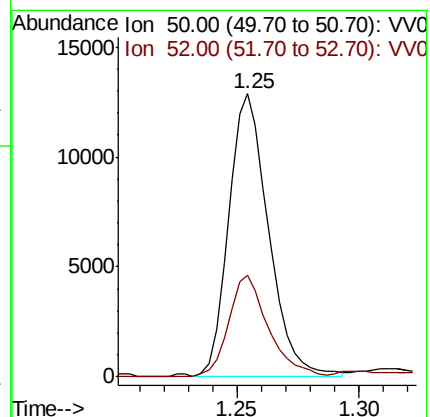
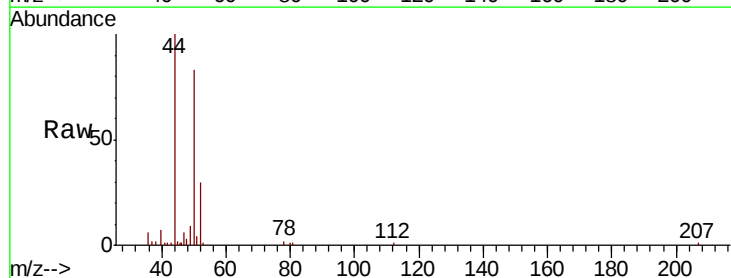
Acq: 11 Oct 2019 20:43

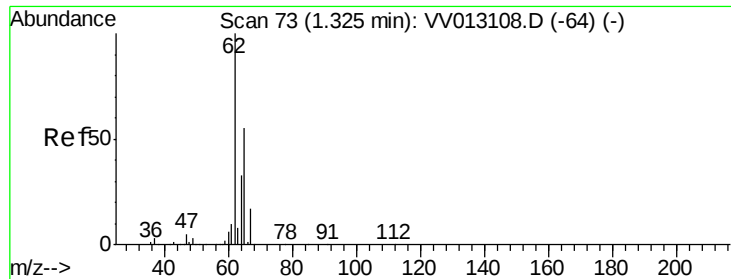
Tgt Ion: 50 Resp: 14707

Ion Ratio Lower Upper

50 100

52 36.0 23.0 42.6





#5

Vinyl chloride

Concen: 2.249 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Instrument :

MSVOA_V

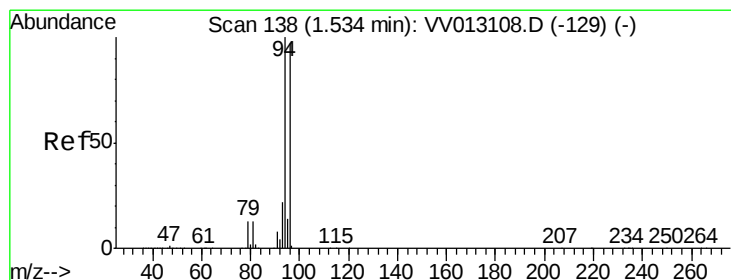
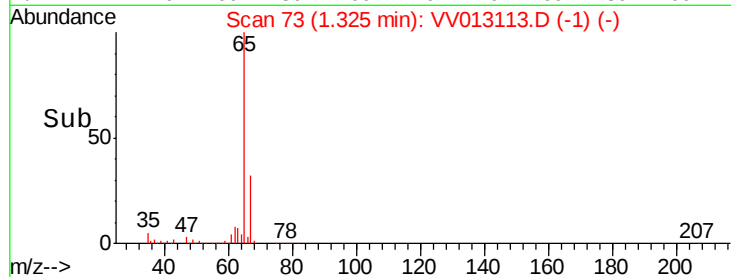
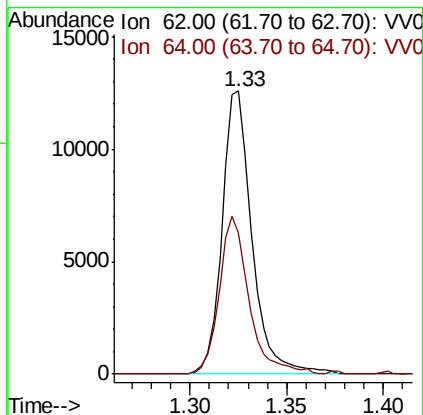
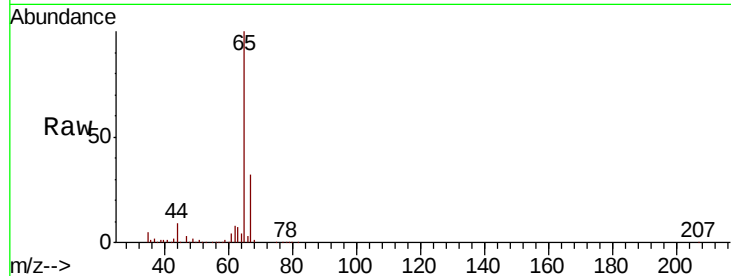
ClientSampleId :

Tot Ion: 62 Resp: 13474

Ion Ratio Lower Upper

62 100

64 49.9 22.9 42.5#



#6

Bromomethane

Concen: 2.402 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013113.D

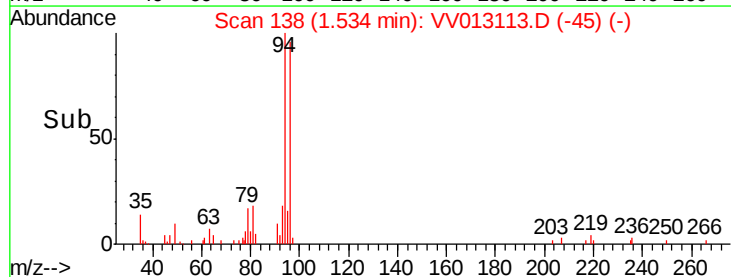
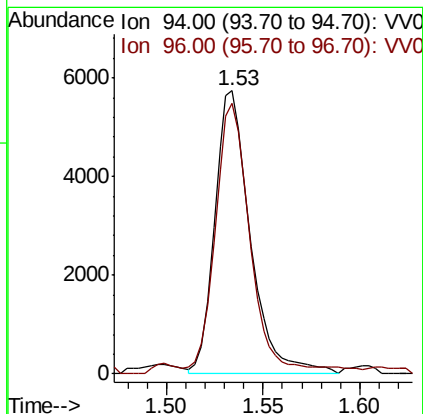
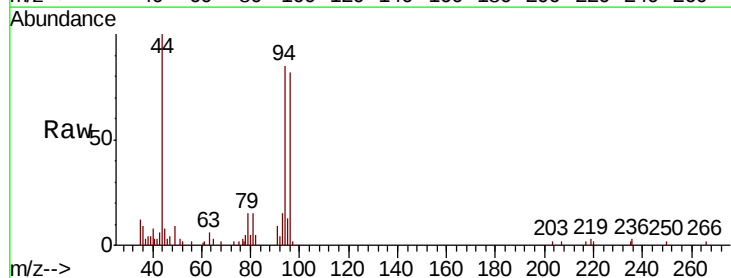
Acq: 11 Oct 2019 20:43

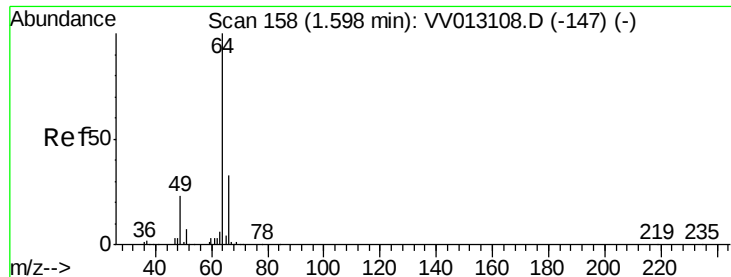
Tgt Ion: 94 Resp: 7366

Ion Ratio Lower Upper

94 100

96 95.7 68.0 126.2

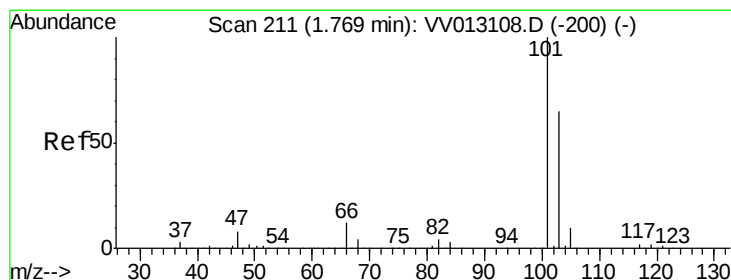
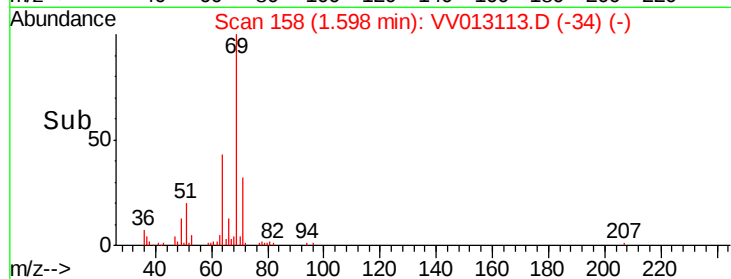
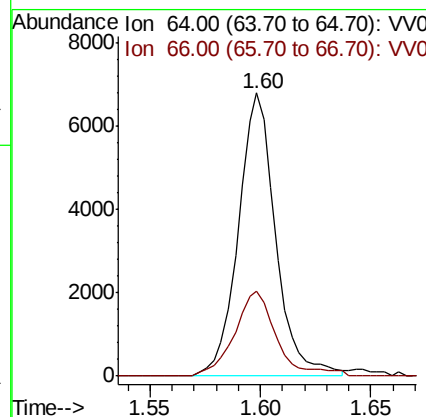
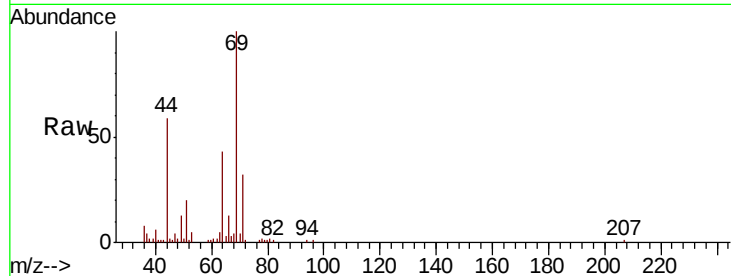




#8
Chloroethane
Concen: 2.241 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

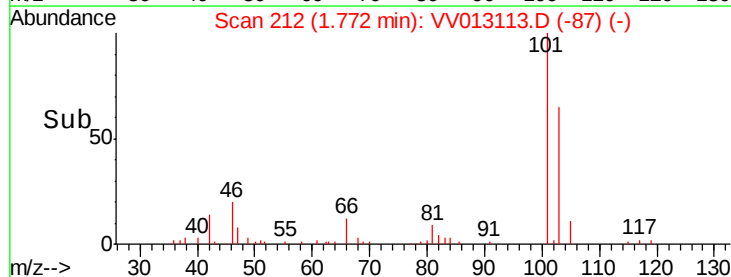
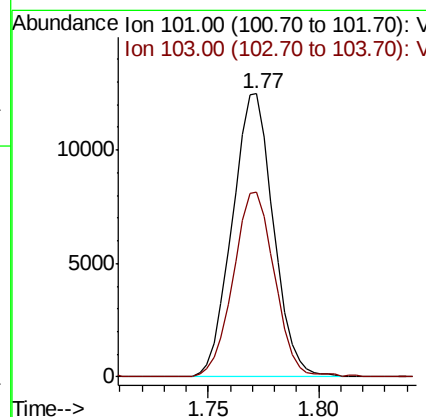
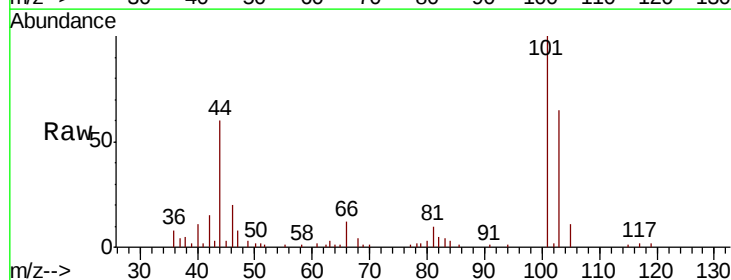
Instrument :
MSVOA_V
ClientSampleId :

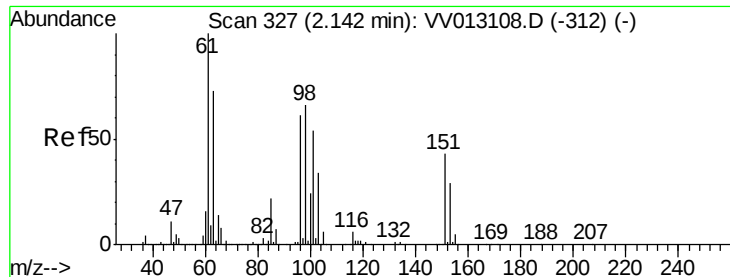
Tot Ion: 64 Resp: 7988
Ion Ratio Lower Upper
64 100
66 30.0 23.0 42.8



#9
Trichlorofluoromethane
Concen: 2.105 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

Tgt Ion: 101 Resp: 16183
Ion Ratio Lower Upper
101 100
103 65.6 51.3 76.9





#10

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

Concen: 2.920 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :

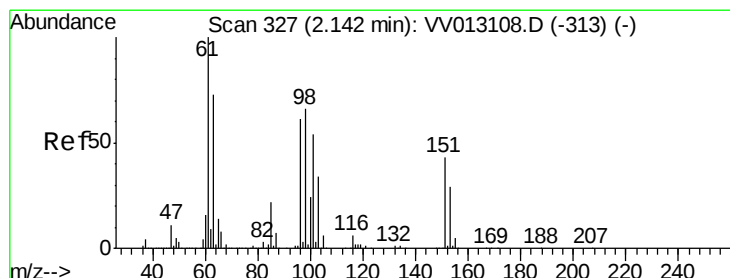
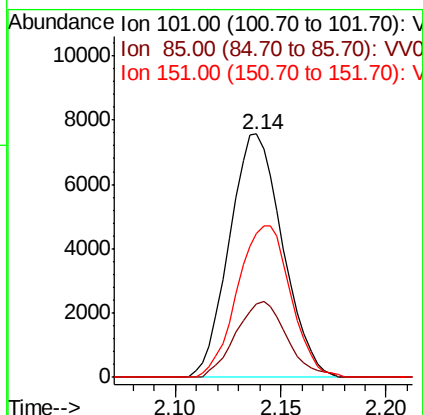
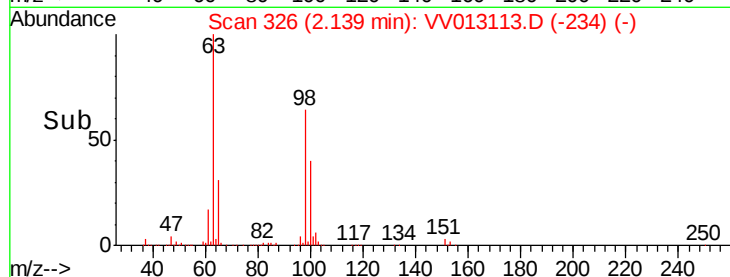
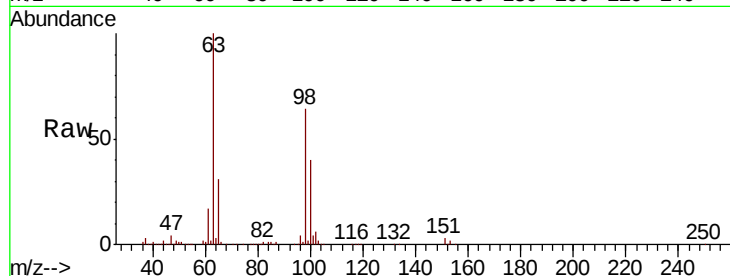
Tot Ion:101 Resp: 13226

Ion Ratio Lower Upper

101 100

85 29.8 32.9 49.3#

151 62.4 64.9 97.3#



#12

1,1-Dichloroethene

Concen: 2.759 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

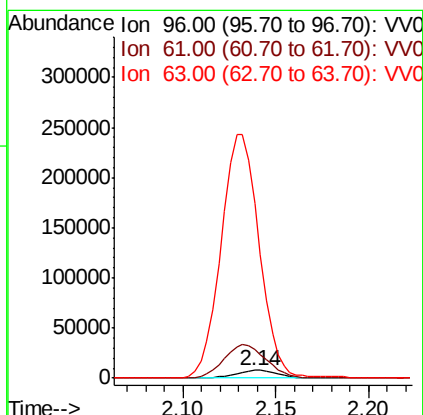
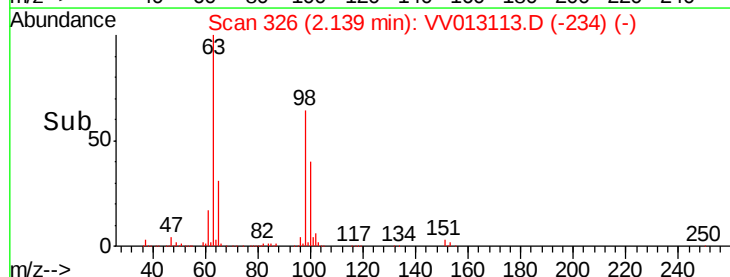
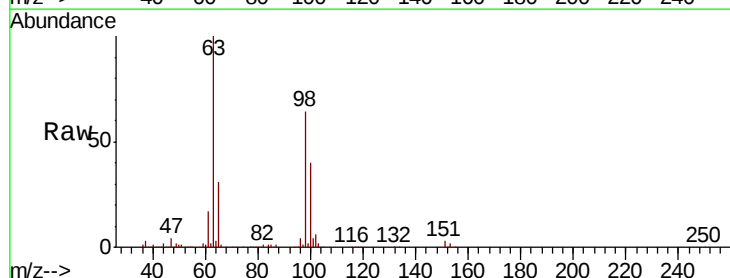
Tgt Ion: 96 Resp: 12091

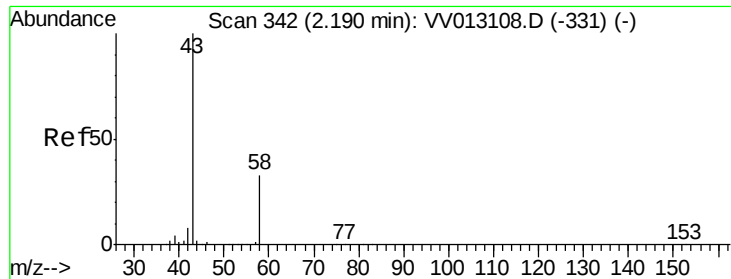
Ion Ratio Lower Upper

96 100

61 380.1 115.7 214.9#

63 2294.7 84.3 156.5#





#13

Acetone

Concen: 3.857 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

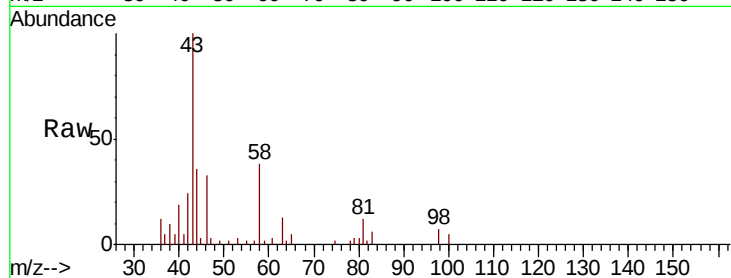
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 11895

Ion Ratio Lower Upper

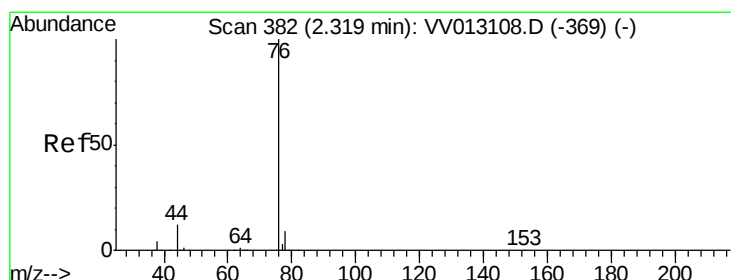
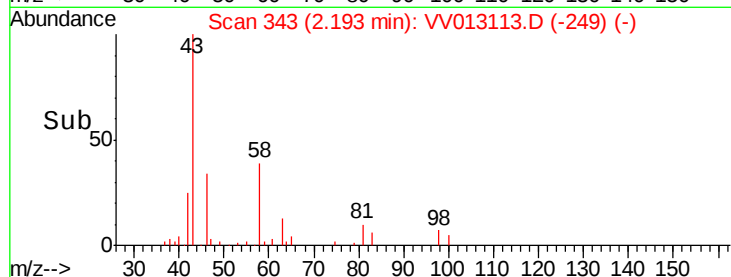
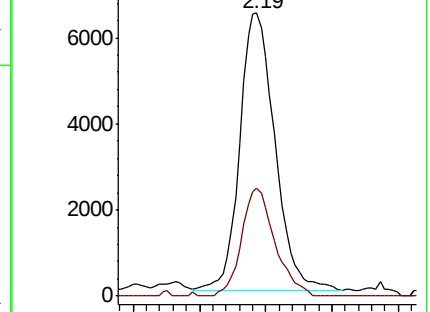
43 100

58 36.8 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VV013108.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV013108.D (-331) (-)



#14

Carbon disulfide

Concen: 2.370 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013113.D

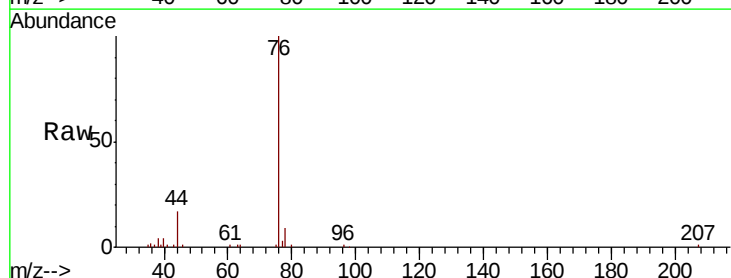
Acq: 11 Oct 2019 20:43

Tgt Ion: 76 Resp: 30124

Ion Ratio Lower Upper

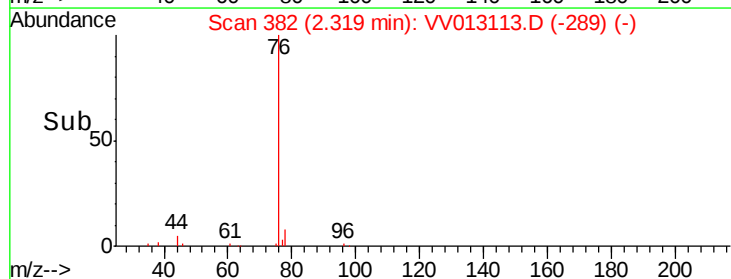
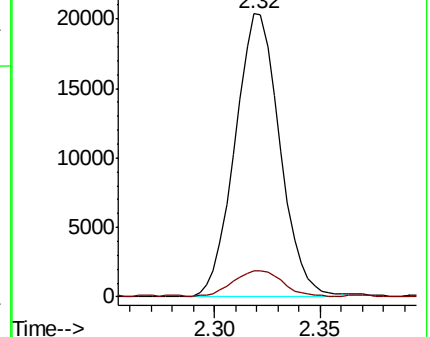
76 100

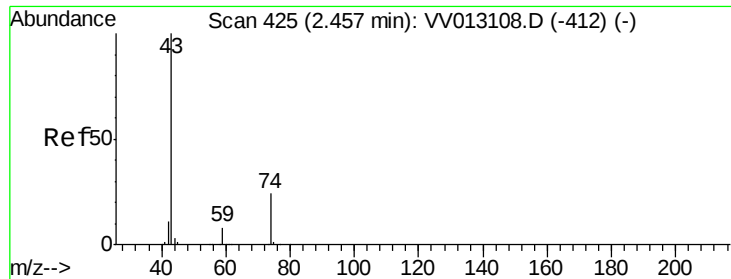
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV013108.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV013108.D (-369) (-)

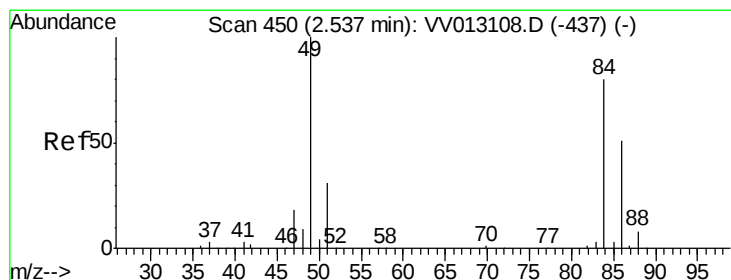
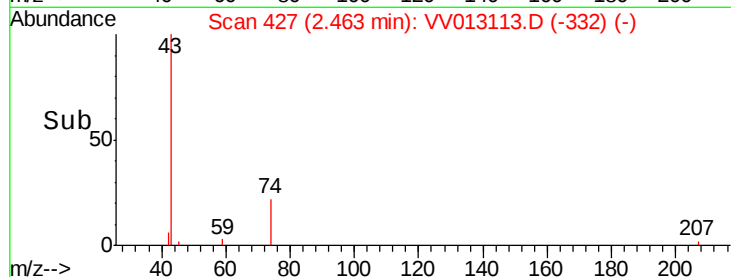
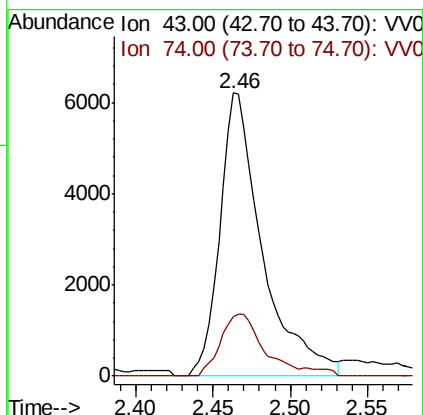
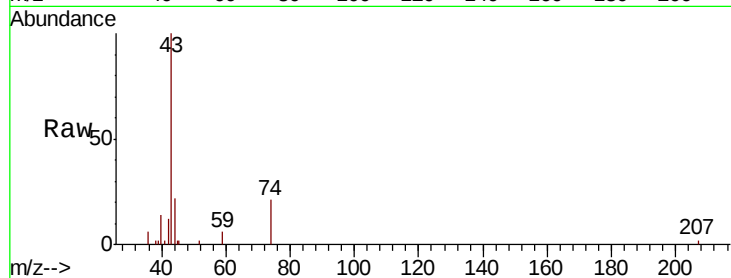




#15
Methvl Acetate
Concen: 2.170 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

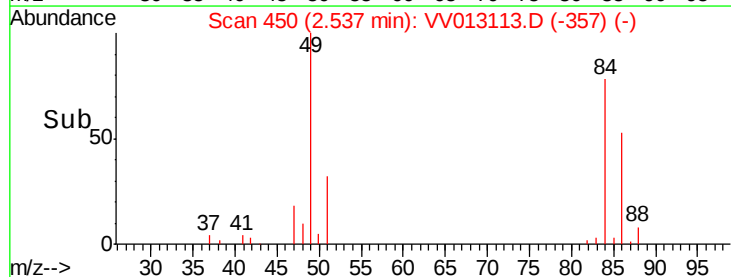
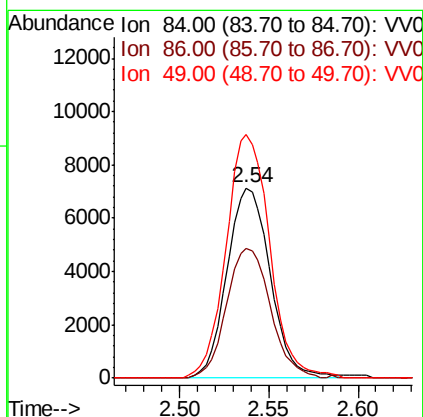
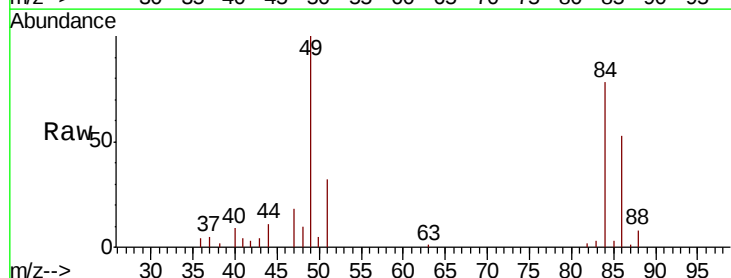
Instrument :
MSVOA_V
ClientSampleId :

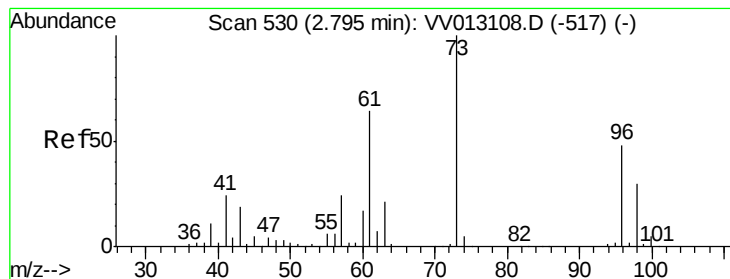
Tot Ion: 43 Resp: 11859
Ion Ratio Lower Upper
43 100
74 21.6 18.4 27.6



#16
Methylene chloride
Concen: 2.319 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

Tgt Ion: 84 Resp: 12091
Ion Ratio Lower Upper
84 100
86 68.4 45.1 83.9
49 128.0 87.8 163.0





#17

trans-1,2-Dichloroethene

Concen: 2.237 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

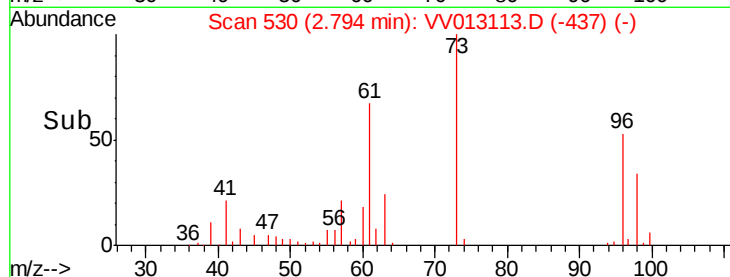
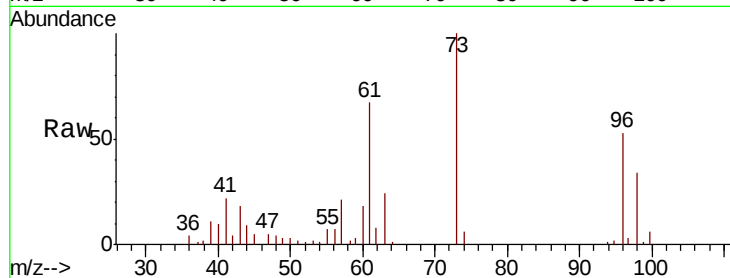
Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 10635

Ion	Ratio	Lower	Upper
96	100		
61	127.8	93.9	174.5
98	64.5	43.9	81.5

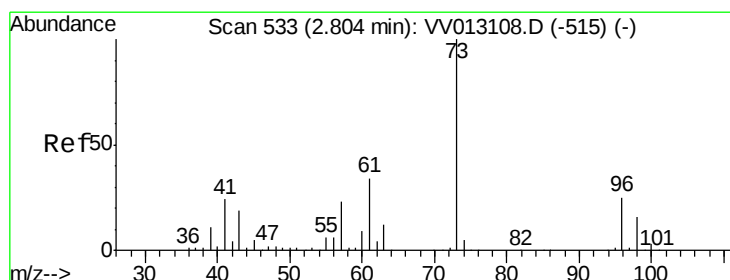
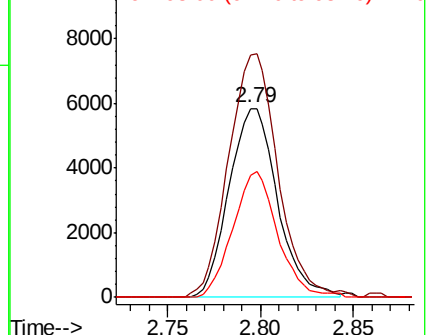


Abundance

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: 2.069 ug/L

RT: 2.80 min Scan# 533

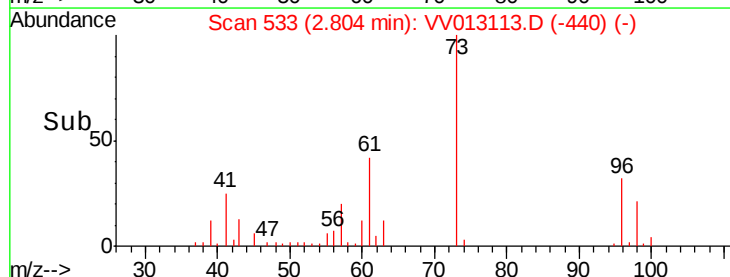
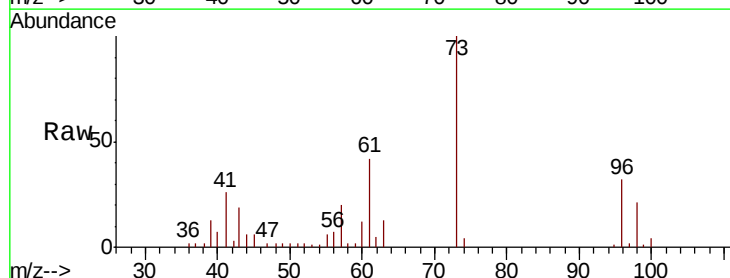
Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Tgt Ion: 73 Resp: 29685

Ion	Ratio	Lower	Upper
73	100		
43	16.5	15.0	22.6
57	22.2	18.2	27.2

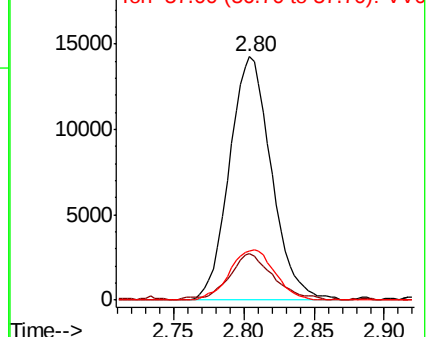


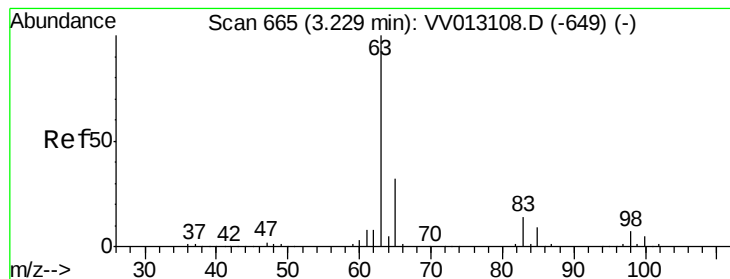
Abundance

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: 2.110 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Instrument :
MSVOA_V
ClientSampleId :

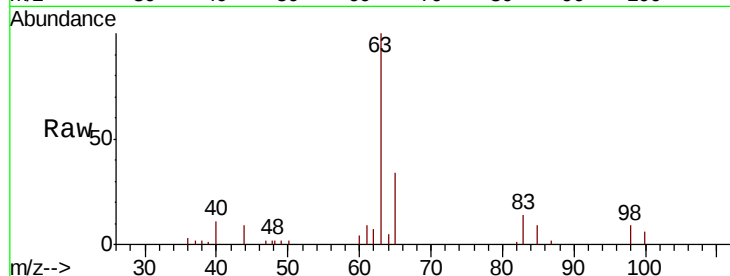
Tot Ion: 63 Resp: 18923

Ion Ratio Lower Upper

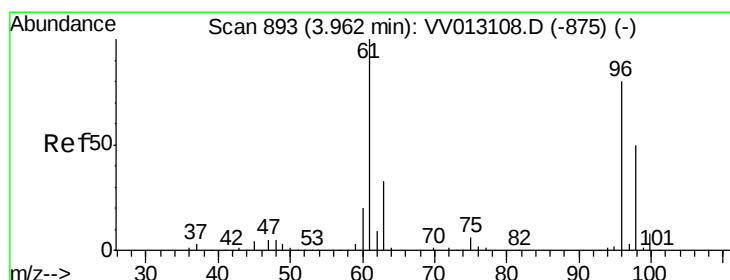
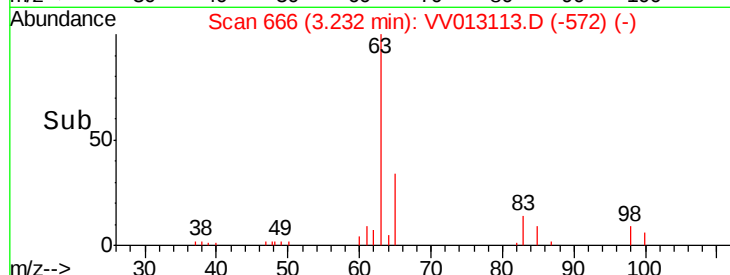
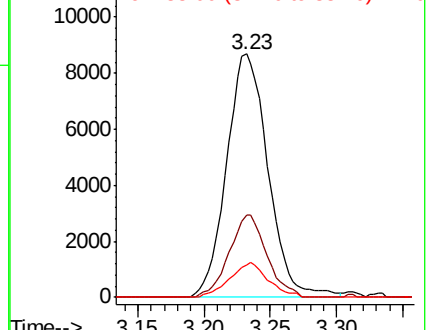
63 100

65 33.9 22.1 41.1

83 13.5 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.076 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

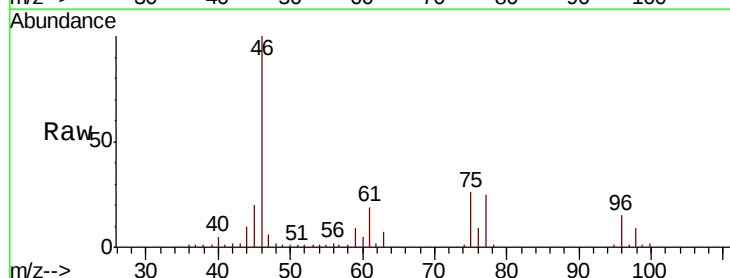
Tgt Ion: 96 Resp: 11169

Ion Ratio Lower Upper

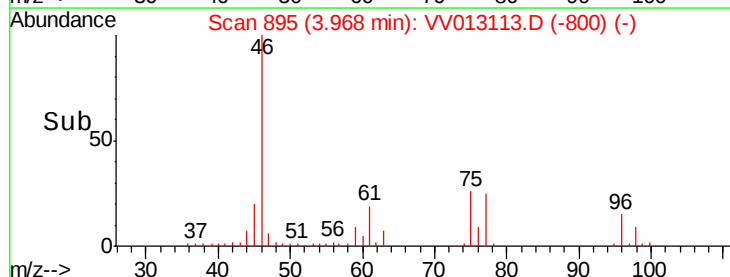
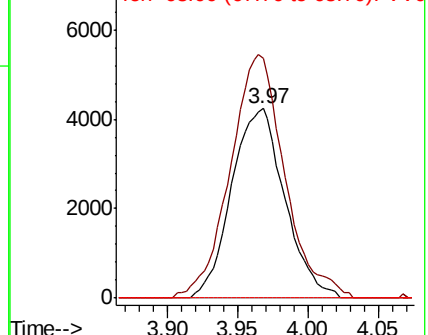
96 100

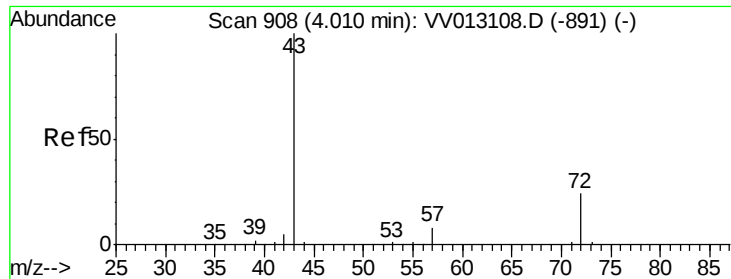
61 126.7 87.5 162.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 3.186 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.02 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

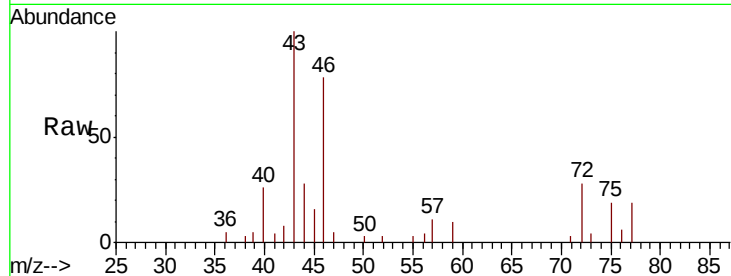
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 12504

Ion Ratio Lower Upper

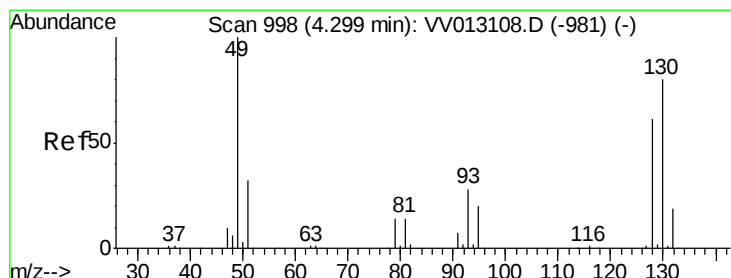
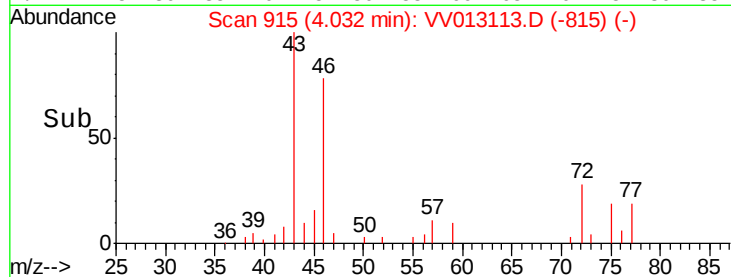
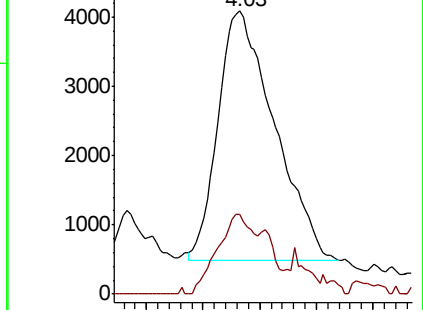
43 100

72 20.5 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VV013113.D (-915) (-)

Ion 72.00 (71.70 to 72.70): VV013113.D (-915) (-)



#23

Bromochloromethane

Concen: 2.083 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Tgt Ion: 128 Resp: 5692

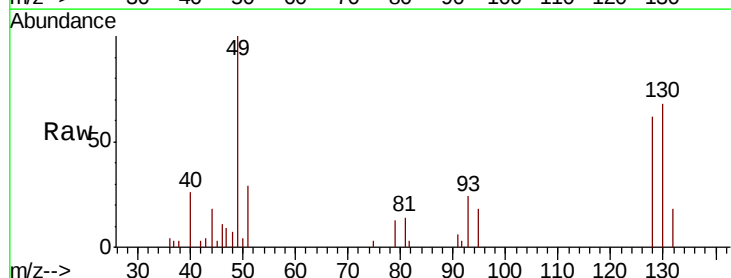
Ion Ratio Lower Upper

128 100

49 162.1 114.0 211.6

130 110.7 90.8 168.6

51 47.7 41.0 61.4

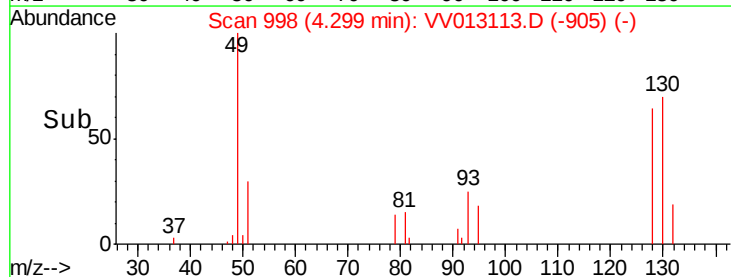
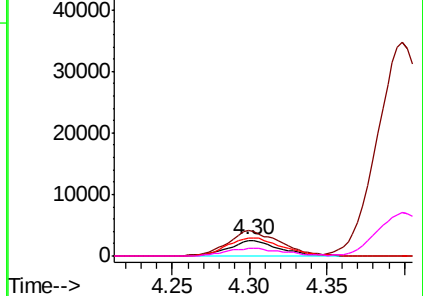


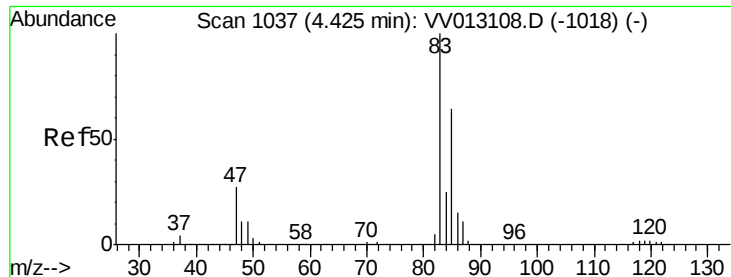
Abundance Ion 128.00 (127.70 to 128.70): VV013113.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV013113.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV013113.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV013113.D (-905) (-)

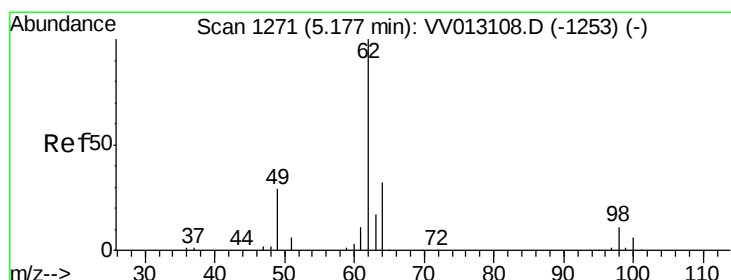
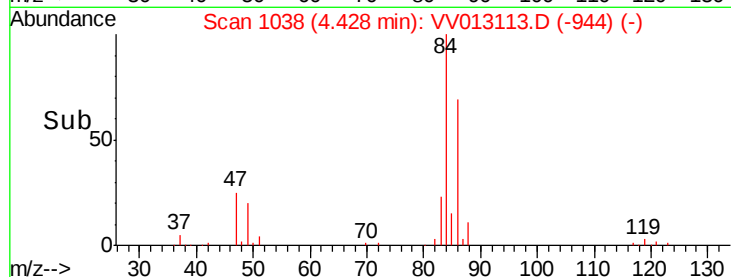
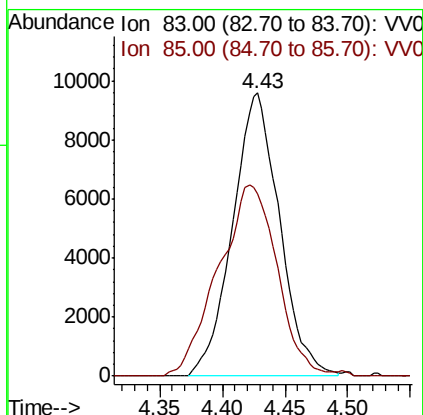
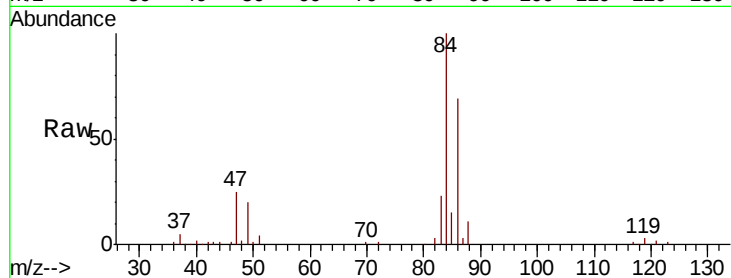




#25
Chloroform
Concen: 2.760 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

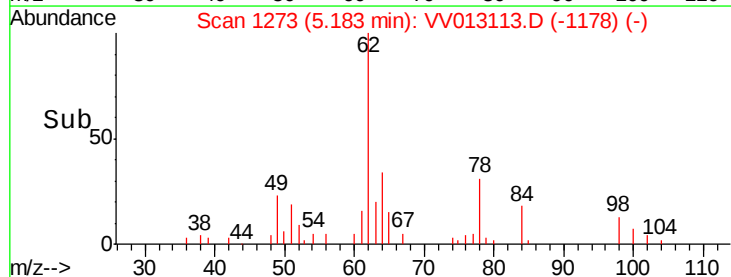
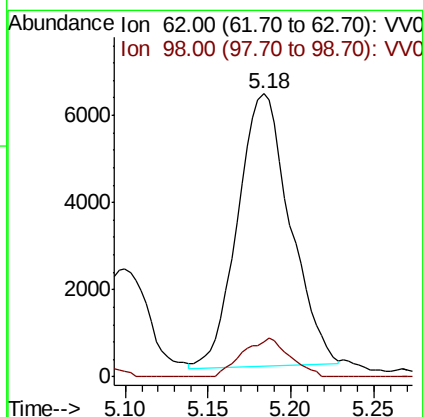
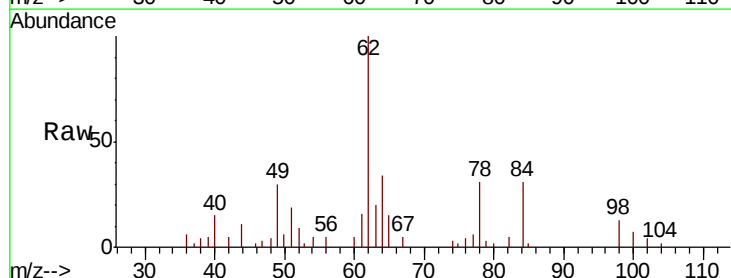
Instrument :
MSVOA_V
ClientSampled :

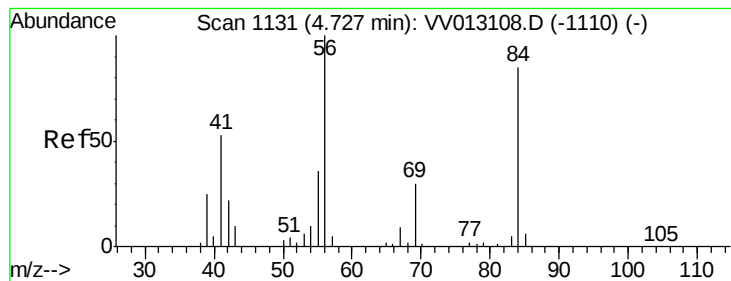
Tot Ion: 83 Resp: 24940
Ion Ratio Lower Upper
83 100
85 64.2 44.7 82.9



#27
1,2-Dichloroethane
Concen: 1.997 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

Tgt Ion: 62 Resp: 13830
Ion Ratio Lower Upper
62 100
98 12.5 8.3 12.5#





#29

Cyclohexane

Concen: 1.920 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :

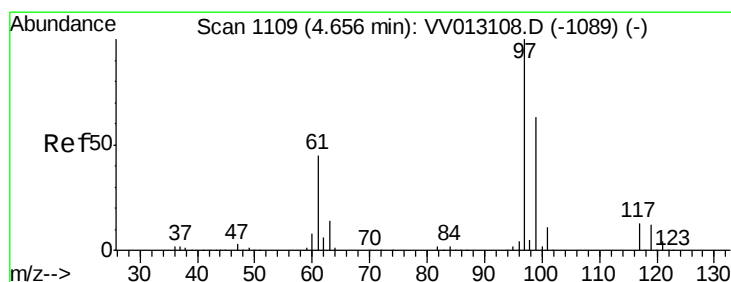
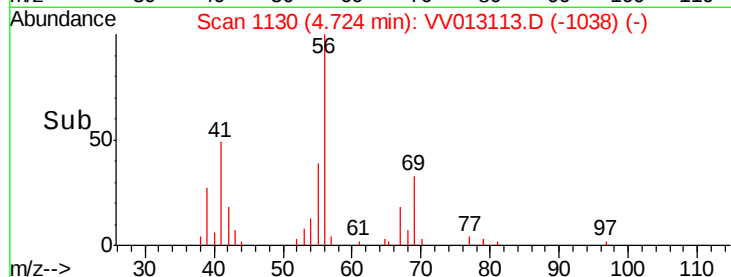
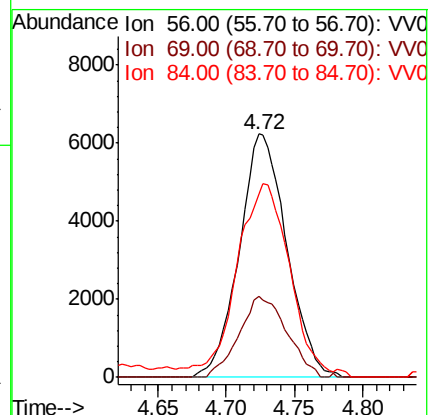
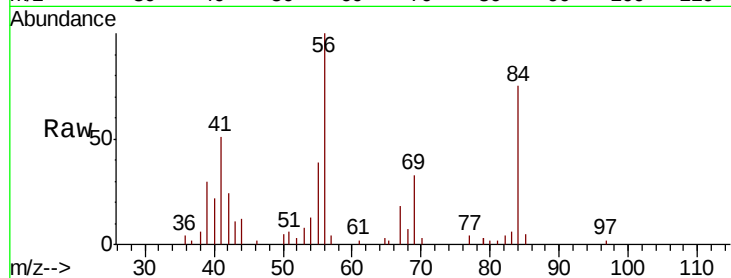
Tot Ion: 56 Resp: 15073

Ion Ratio Lower Upper

56 100

69 33.2 24.2 36.4

84 83.6 69.9 104.9



#30

1,1,1-Trichloroethane

Concen: 2.045 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

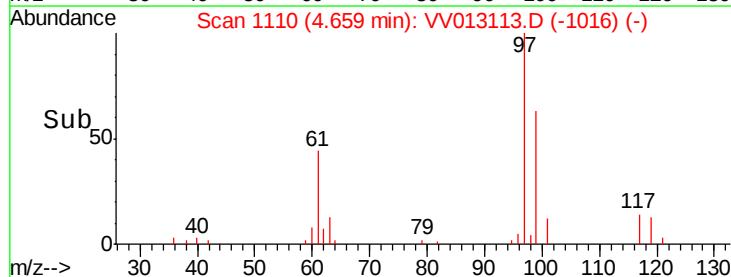
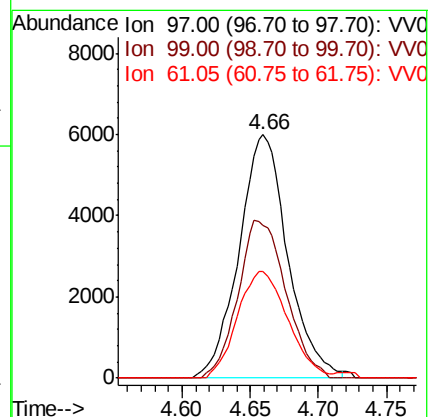
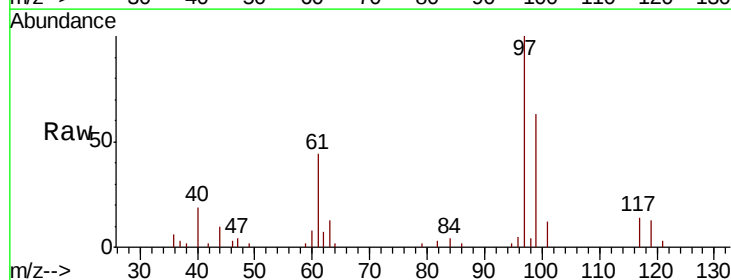
Tgt Ion: 97 Resp: 14875

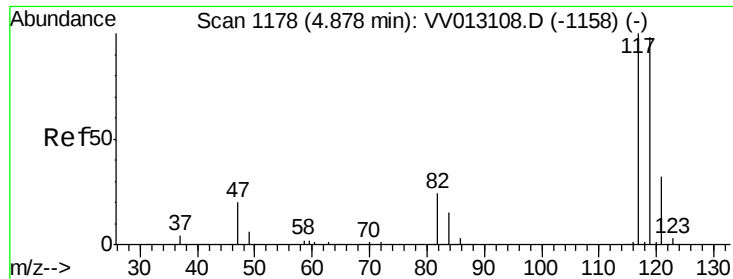
Ion Ratio Lower Upper

97 100

99 63.8 51.9 77.9

61 45.2 36.8 55.2





#31

Carbon tetrachloride

Concen: 2.088 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Instrument :

MSVOA_V

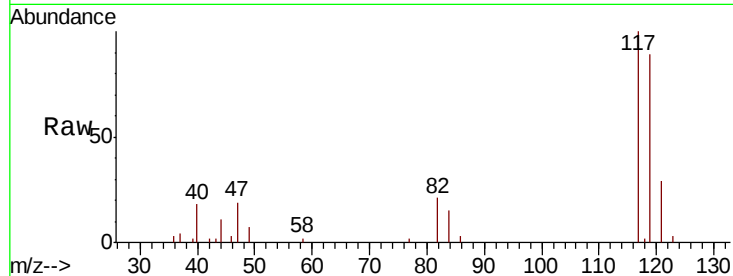
ClientSampleId :

Tot Ion:117 Resp: 13500

Ion Ratio Lower Upper

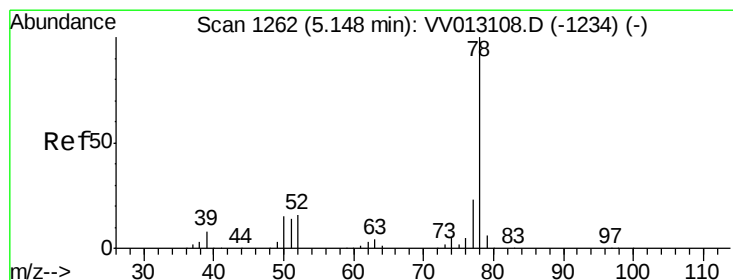
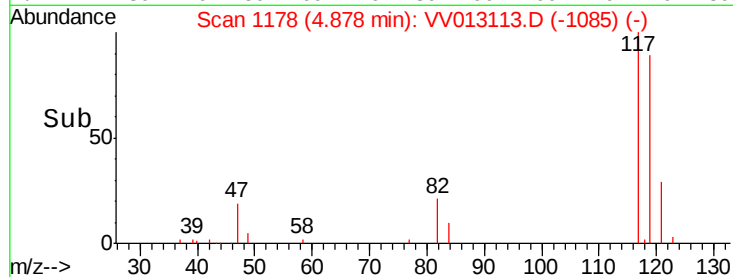
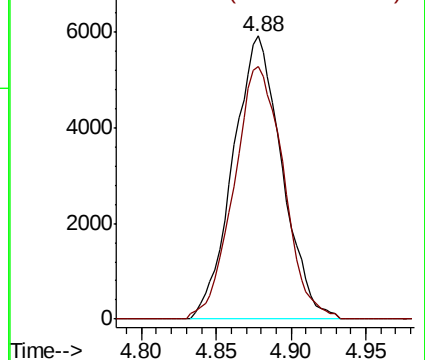
117 100

119 90.3 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.083 ug/L

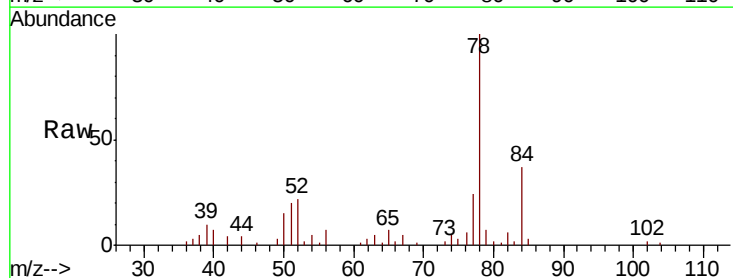
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

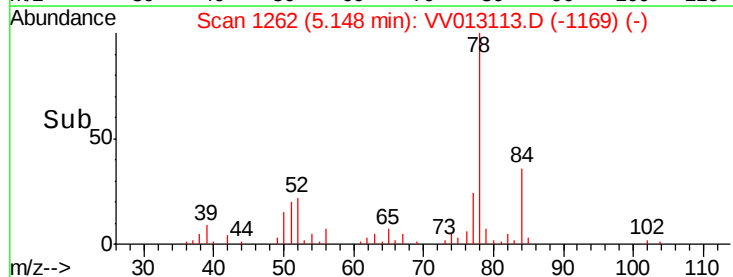
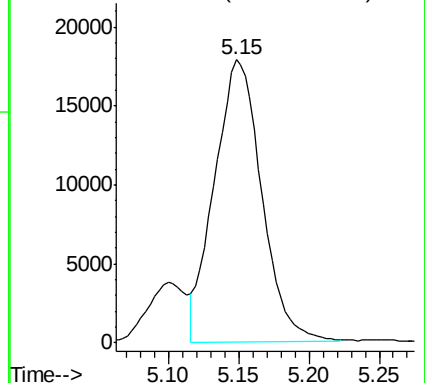
Lab File: VV013113.D

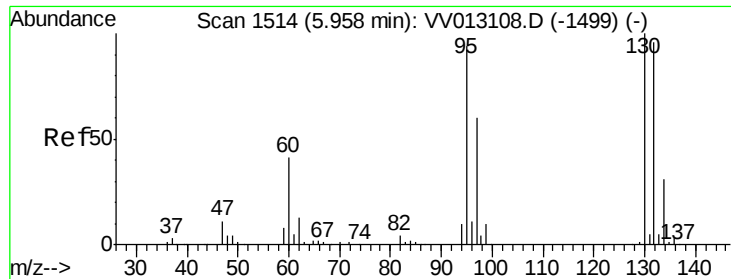
Acq: 11 Oct 2019 20:43

Tgt Ion: 78 Resp: 41601



Abundance Ion 78.00 (77.70 to 78.70): VV0

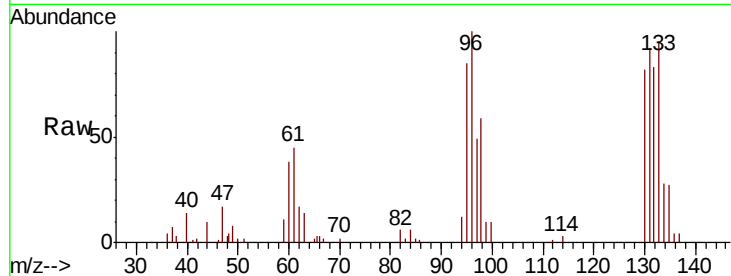




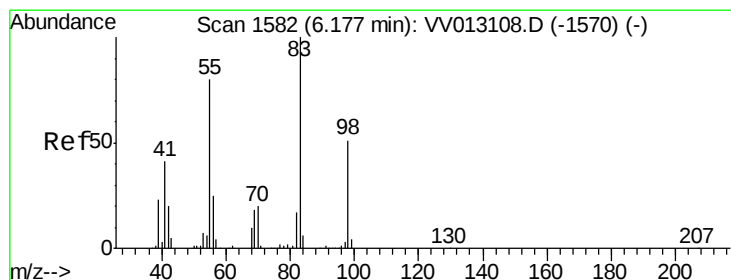
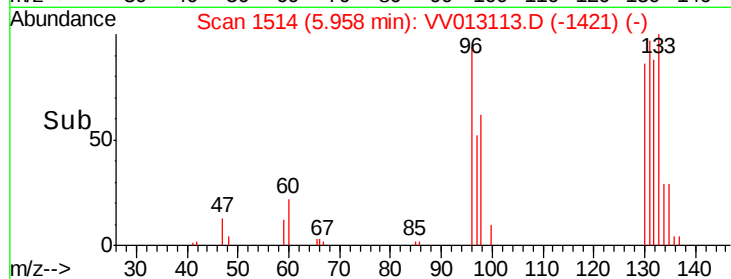
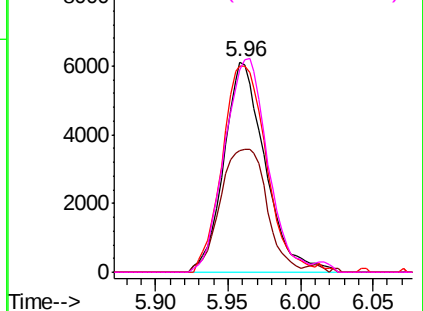
#34
 Trichloroethene
 Concen: 2.272 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV013113.D
 Acq: 11 Oct 2019 20:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 12082
 Ion Ratio Lower Upper
 95 100
 97 57.9 44.7 82.9
 132 98.4 71.4 132.6
 130 96.3 74.2 137.8

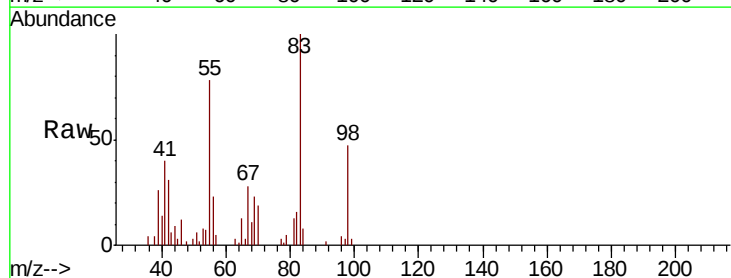


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

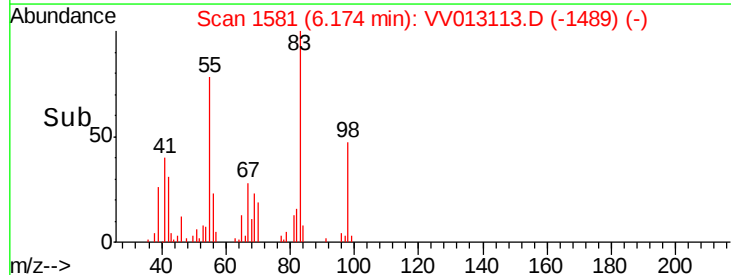
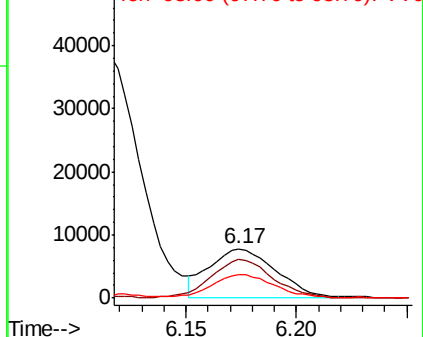


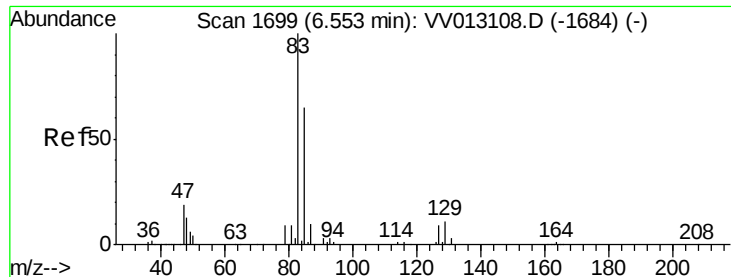
#35
 Methylcyclohexane
 Concen: 1.980 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV013113.D
 Acq: 11 Oct 2019 20:43

Tgt Ion: 83 Resp: 15924
 Ion Ratio Lower Upper
 83 100
 55 73.2 61.2 91.8
 98 46.0 40.1 60.1



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

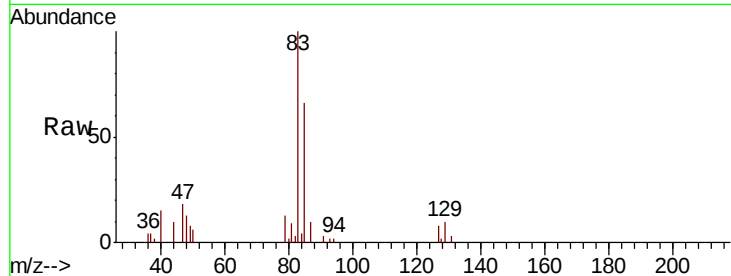




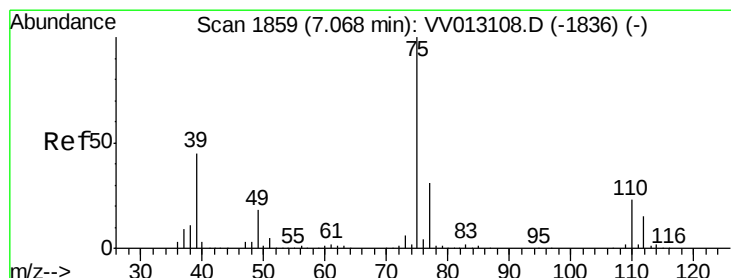
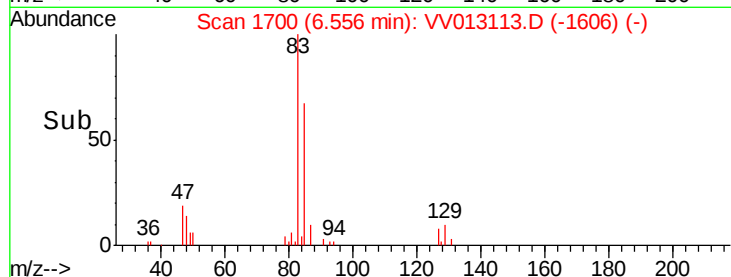
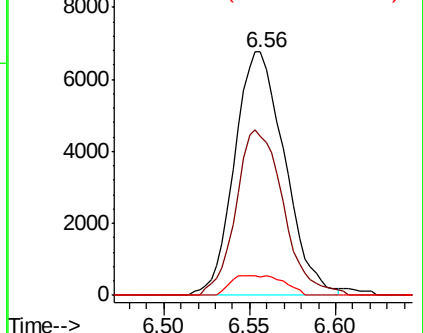
#38
Bromodichloromethane
Concen: 2.080 ug/L
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 13684
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.0
127 9.8 7.4 11.0

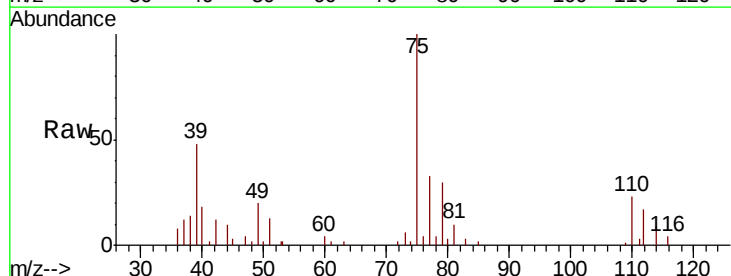


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 127.00 (126.70 to 127.70): V

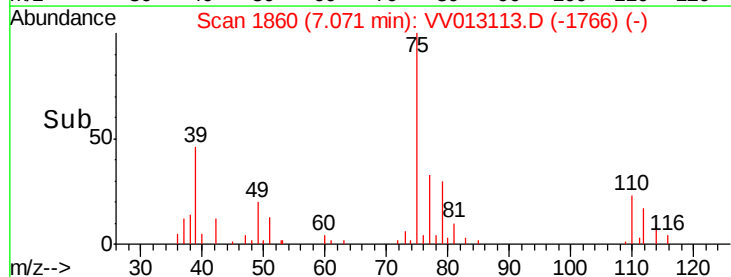
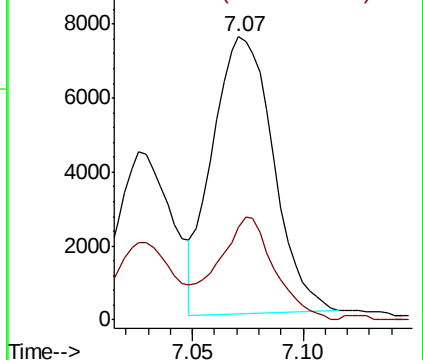


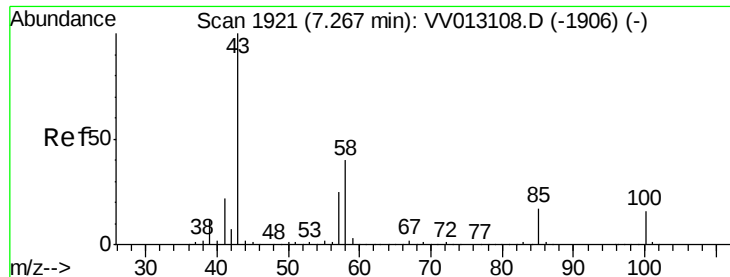
#39
cis-1,3-Dichloropropene
Concen: 1.876 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

Tgt Ion: 75 Resp: 14347
Ion Ratio Lower Upper
75 100
77 32.6 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

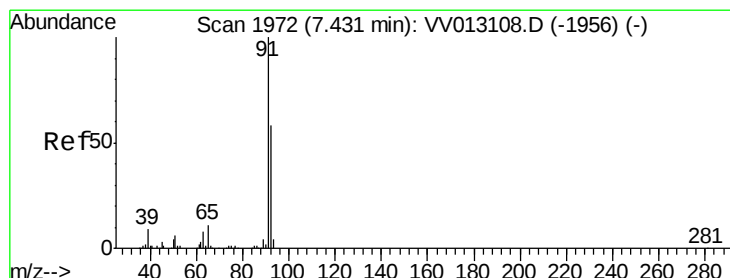
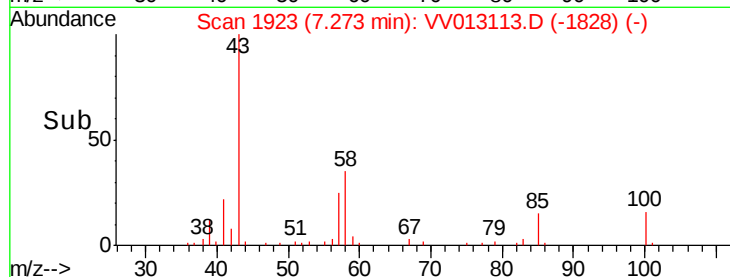
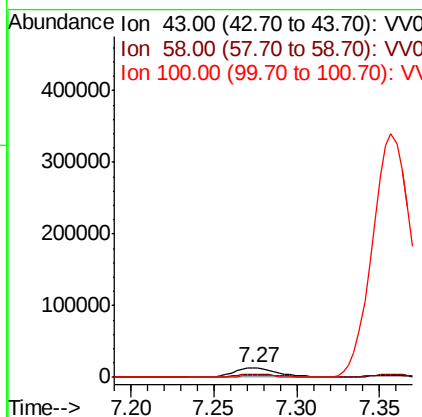
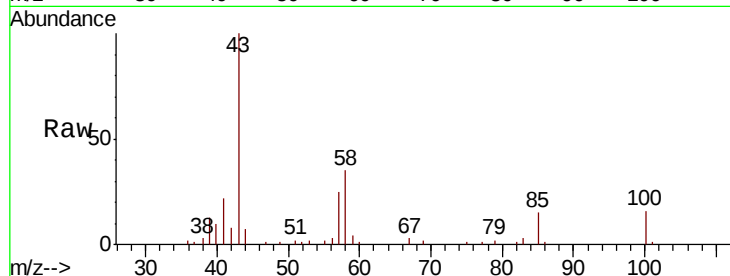




#40
4-Methyl-2-pentanone
Concen: 3.688 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

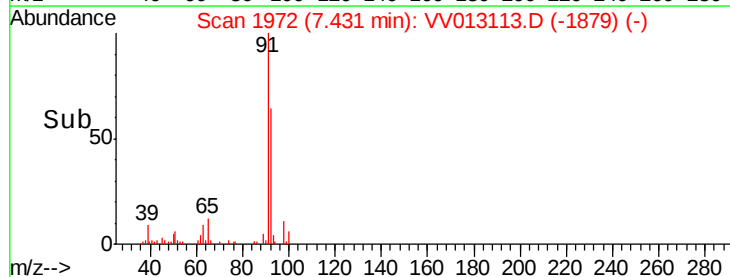
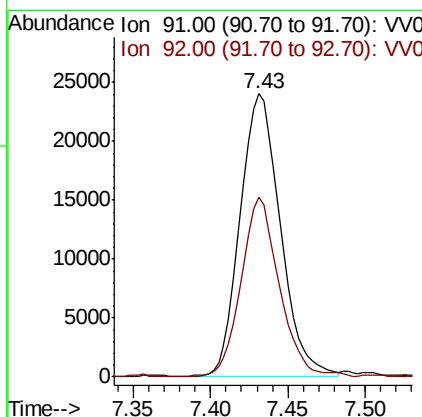
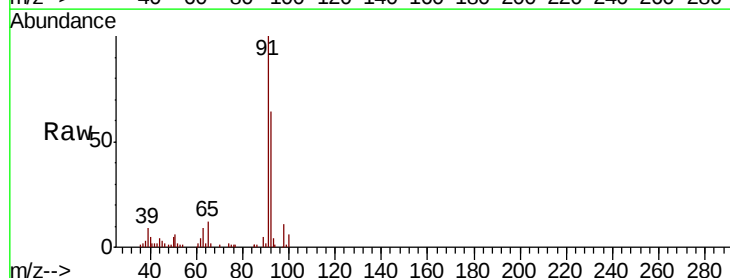
Instrument :
MSVOA_V
ClientSampleId :

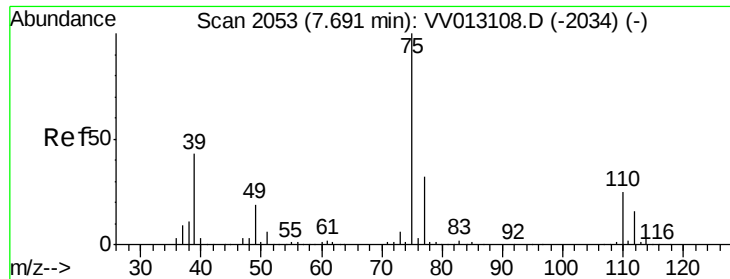
Tot Ion: 43 Resp: 24962
Ion Ratio Lower Upper
43 100
58 36.9 32.0 48.0
100 17.5 12.7 19.1



#42
Toluene
Concen: 2.127 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

Tgt Ion: 91 Resp: 43732
Ion Ratio Lower Upper
91 100
92 63.6 40.8 75.8





#44

trans-1,3-Dichloropropene

Concen: 1.841 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

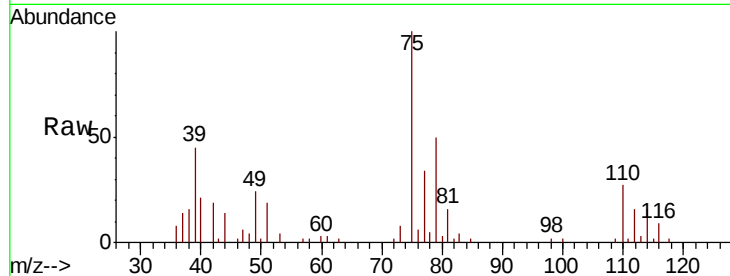
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 12207

Ion Ratio Lower Upper

75 100

77 33.6 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV013108.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV013108.D (-2034) (-)

7.69

6000

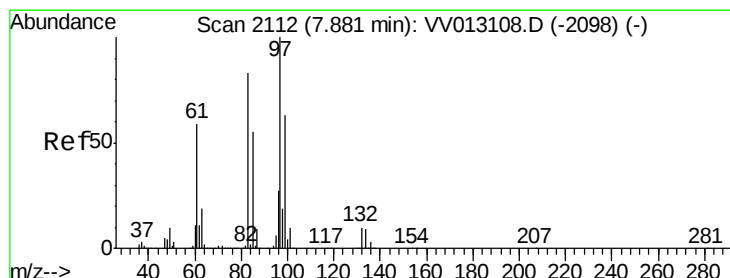
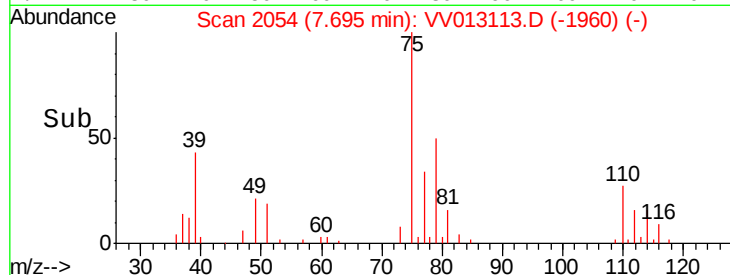
4000

2000

0

7.65 7.70 7.75

Time-->



#45

1,1,2-Trichloroethane

Concen: 2.130 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Tgt Ion: 97 Resp: 10457

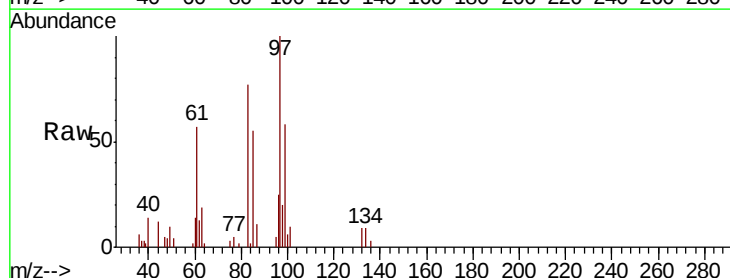
Ion Ratio Lower Upper

97 100

99 58.2 44.4 82.5

83 77.0 58.2 108.0

85 54.5 38.7 71.9



Abundance Ion 97.00 (96.70 to 97.70): VV013108.D (-2098) (-)

Ion 99.00 (98.70 to 99.70): VV013108.D (-2098) (-)

Ion 83.00 (82.70 to 83.70): VV013108.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV013108.D (-2098) (-)

7.88

6000

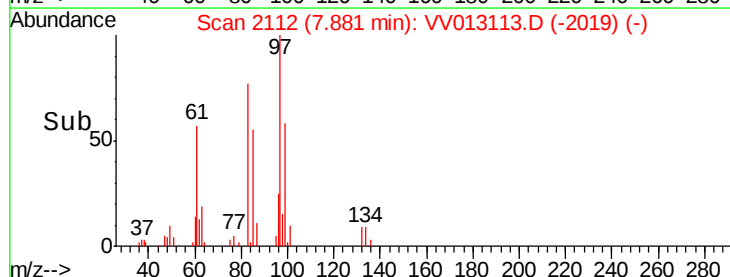
4000

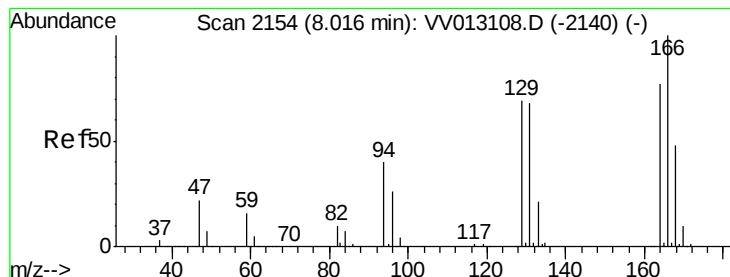
2000

0

7.85 7.90

Time-->





#46

Tetrachloroethene

Concen: 2.161 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 9098

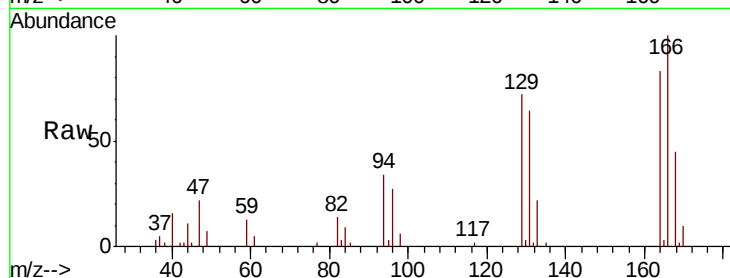
Ion Ratio Lower Upper

164 100

129 86.0 63.1 117.1

131 76.7 62.4 116.0

166 119.9 91.3 169.6



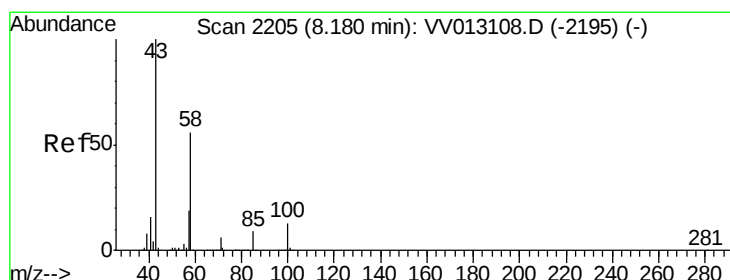
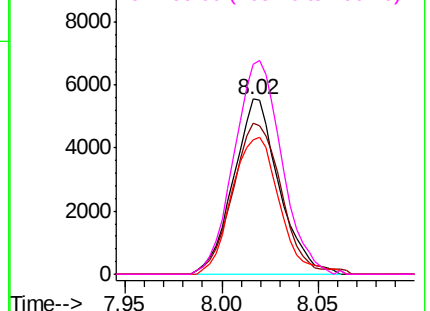
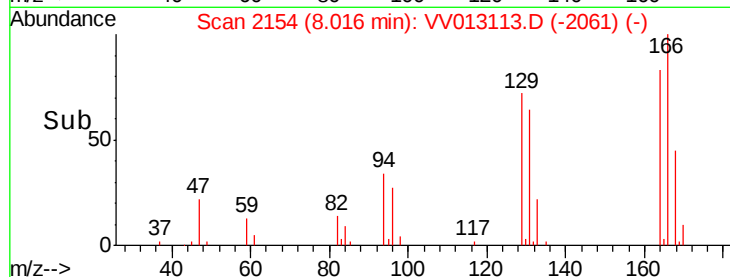
Abundance

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: 5.509 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Tgt Ion: 43 Resp: 28837

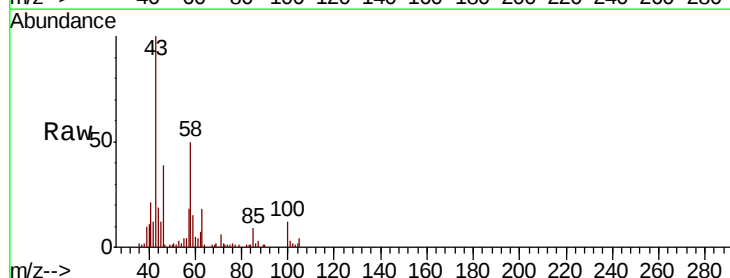
Ion Ratio Lower Upper

43 100

58 48.4 44.9 67.3

57 15.8 15.0 22.6

100 11.3 10.2 15.2



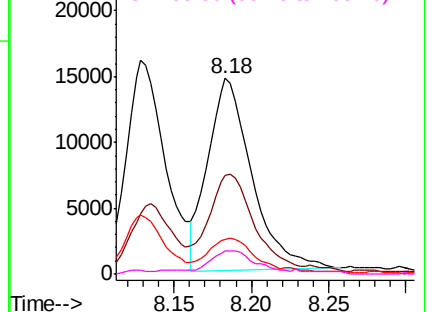
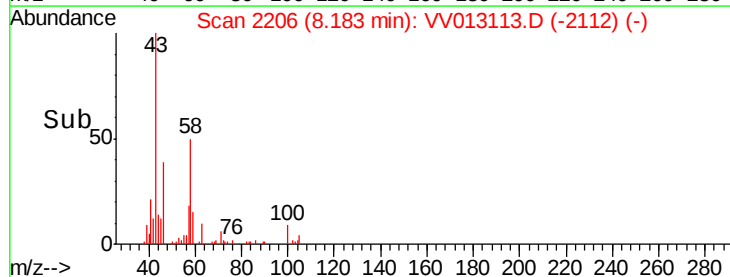
Abundance

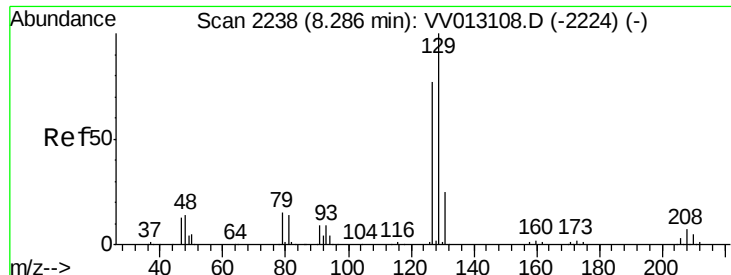
Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 1.878 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

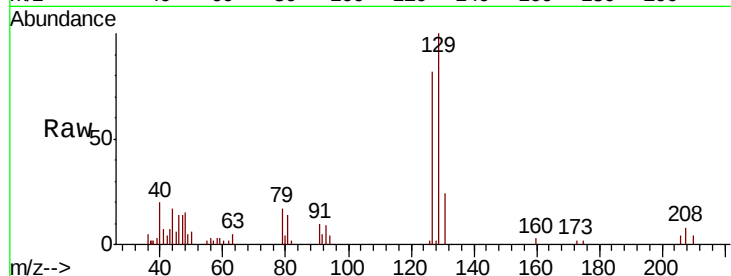
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 10051

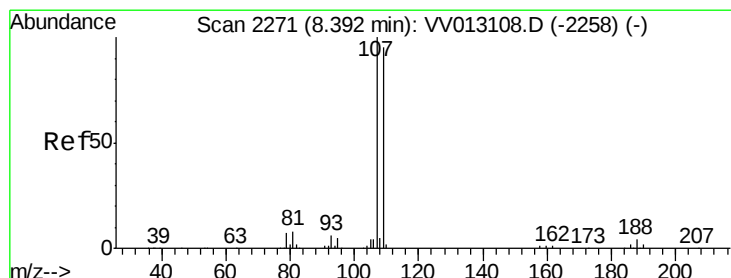
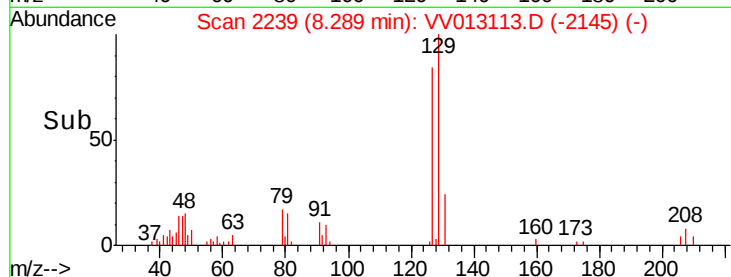
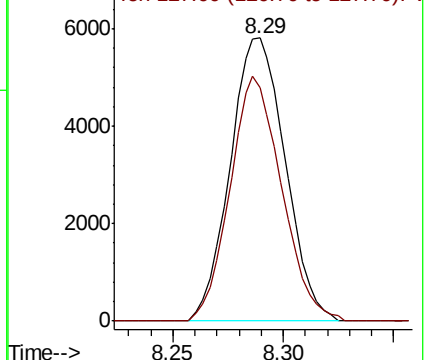
Ion Ratio Lower Upper

129 100

127 82.4 54.0 100.4



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



#50

1,2-Dibromoethane

Concen: 2.157 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

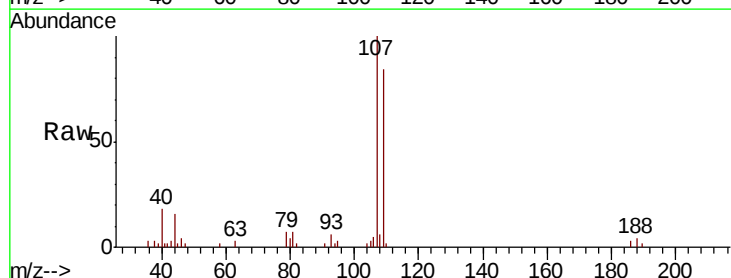
Tgt Ion:107 Resp: 11070

Ion Ratio Lower Upper

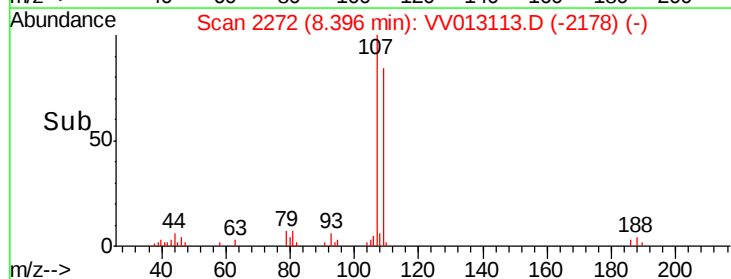
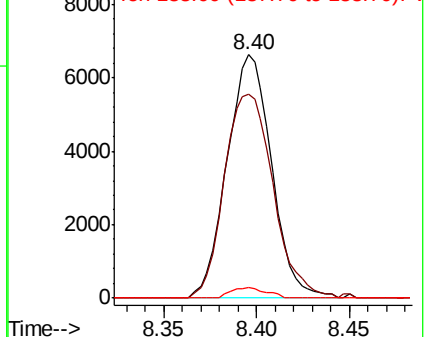
107 100

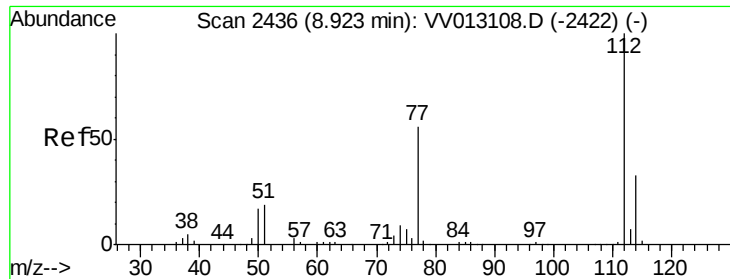
109 83.9 66.6 123.6

188 4.3 3.4 5.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

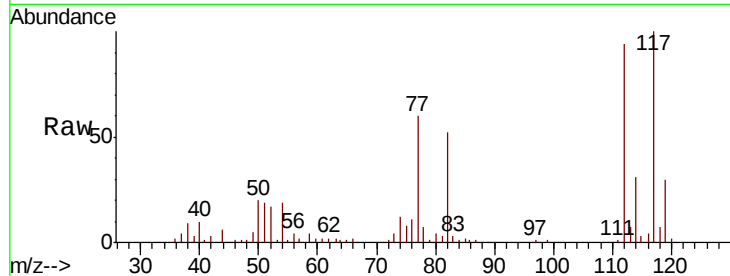




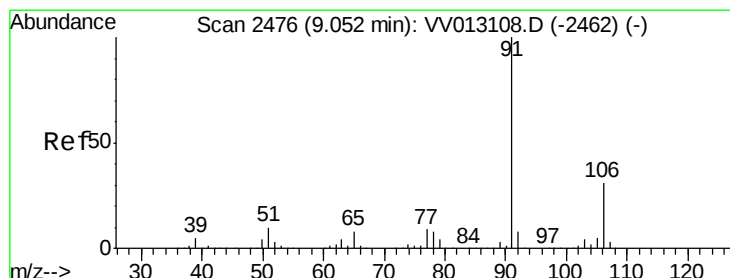
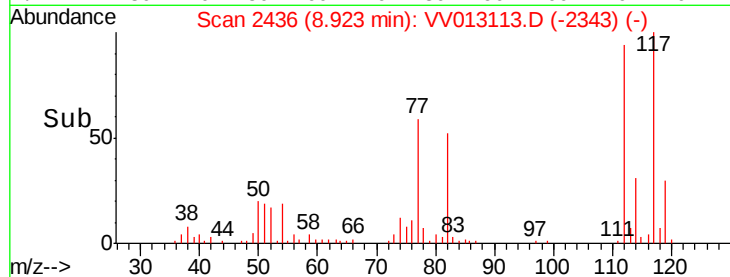
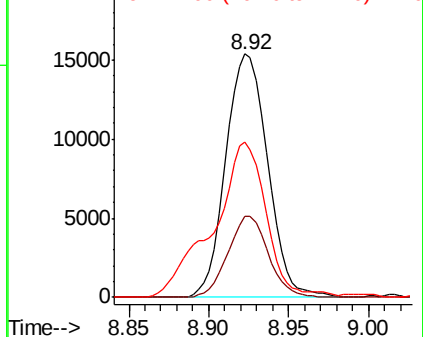
#51
Chlorobenzene
Concen: 2.043 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 112 Resp: 27539
Ion Ratio Lower Upper
112 100
114 33.2 22.8 42.4
77 63.8 45.1 67.7

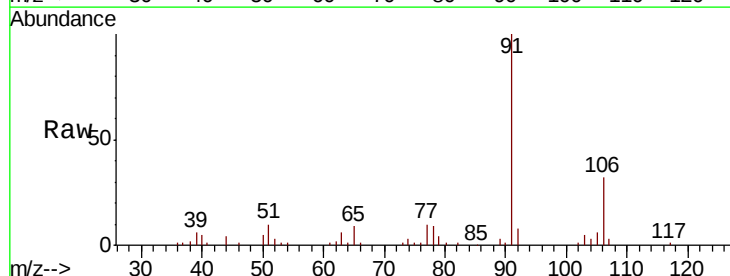


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

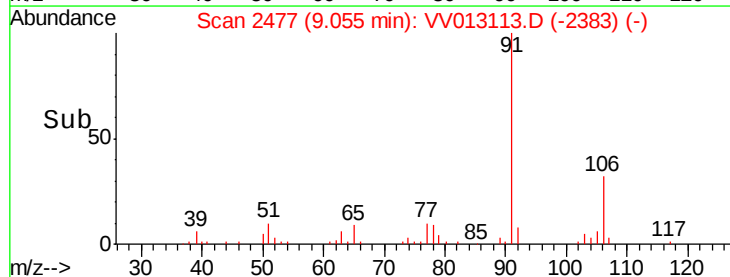
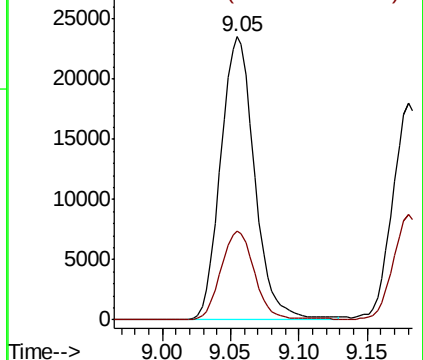


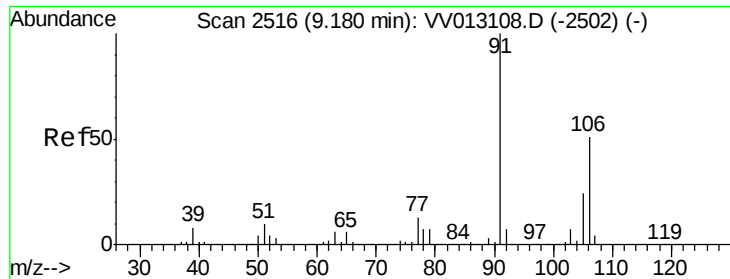
#52
Ethylbenzene
Concen: 1.852 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

Tgt Ion: 91 Resp: 40668
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.768 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

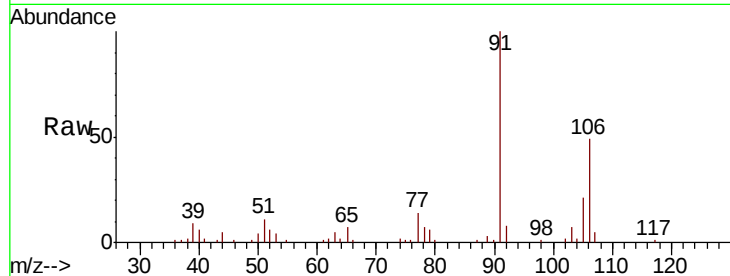
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 14605

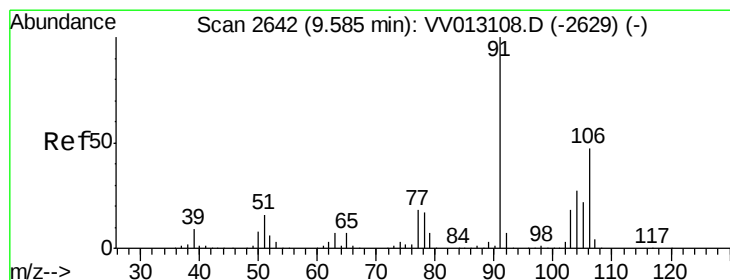
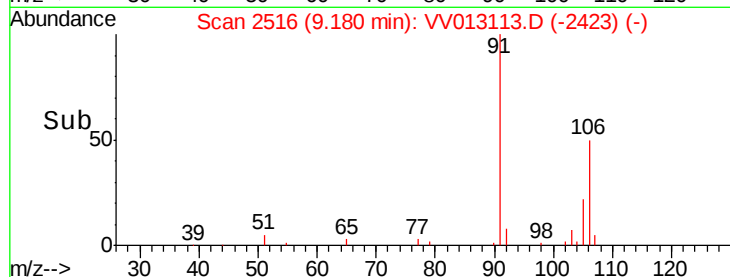
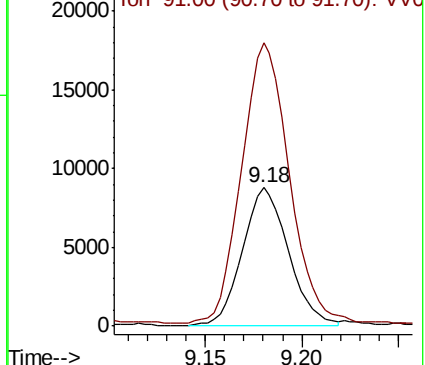
Ion Ratio Lower Upper

106 100

91 204.2 137.8 255.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 1.716 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV013113.D

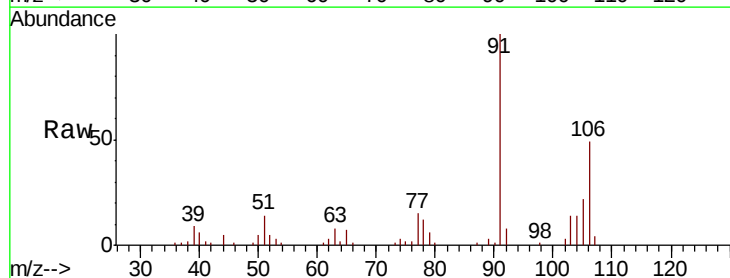
Acq: 11 Oct 2019 20:43

Tgt Ion:106 Resp: 14207

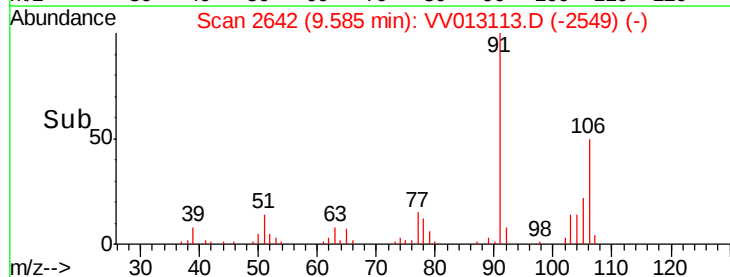
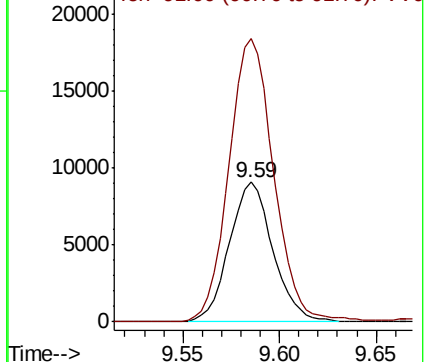
Ion Ratio Lower Upper

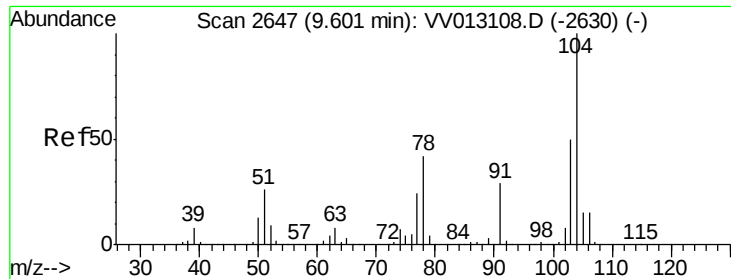
106 100

91 202.3 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 1.609 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

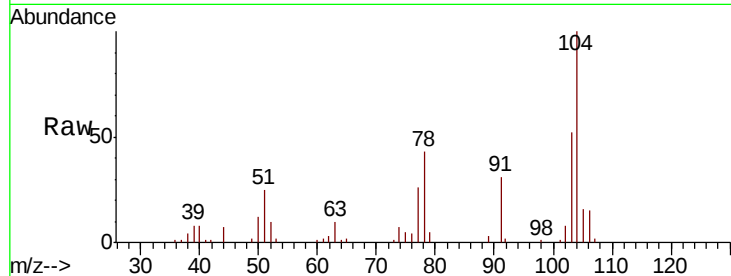
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 21870

Ion Ratio Lower Upper

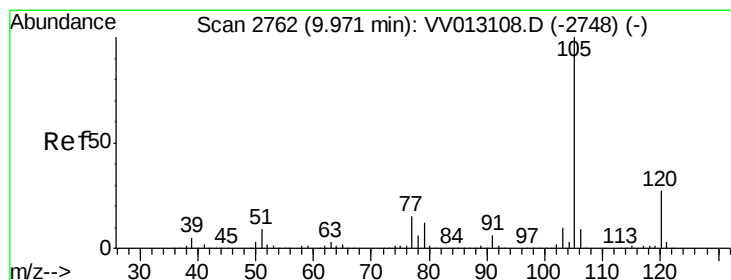
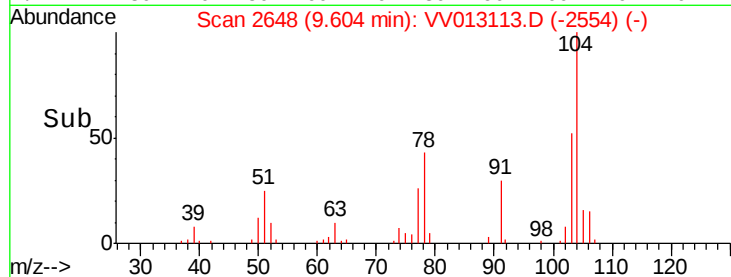
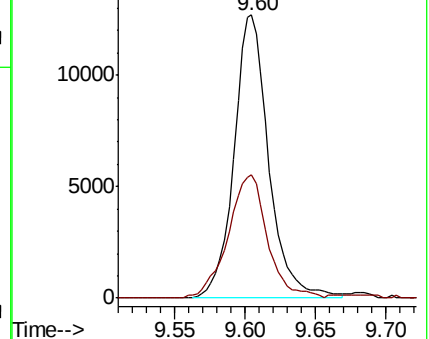
104 100

78 43.4 29.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 1.612 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

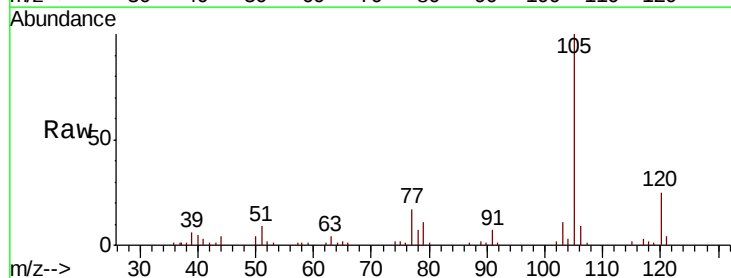
Tgt Ion:105 Resp: 34252

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.2

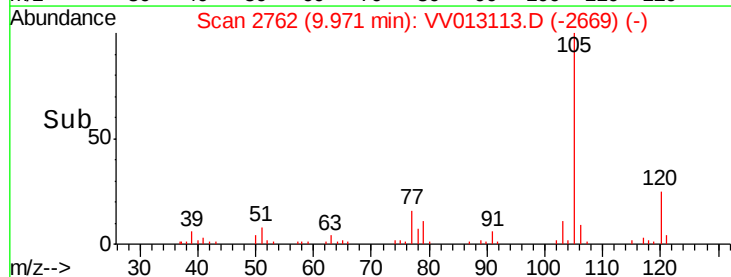
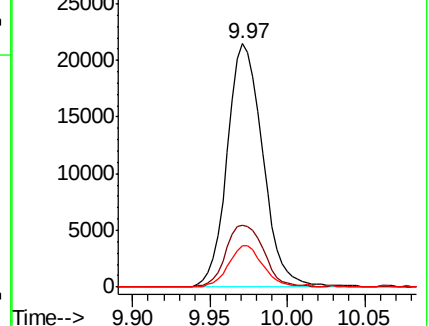
77 16.4 12.1 18.1

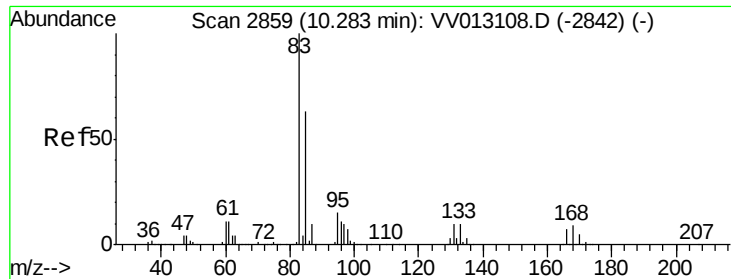


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 2.332 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Instrument :

MSVOA_V

ClientSampleId :

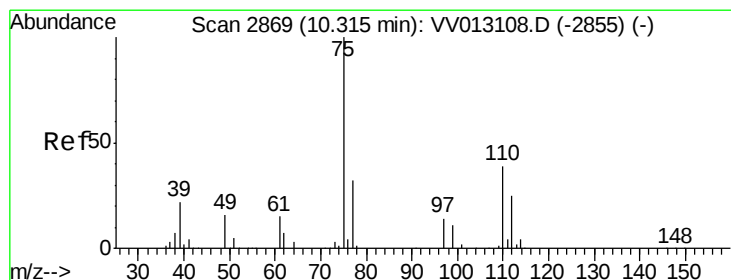
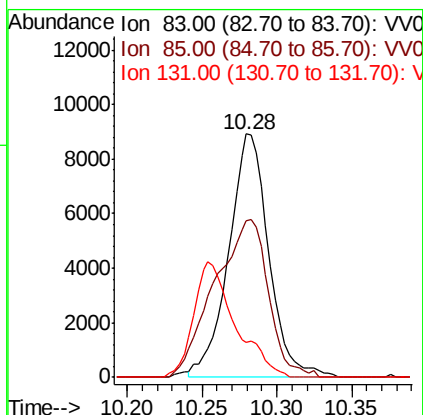
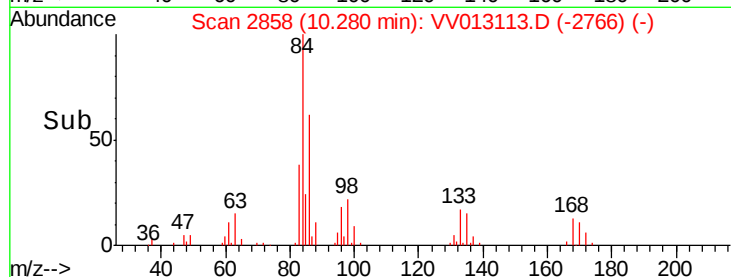
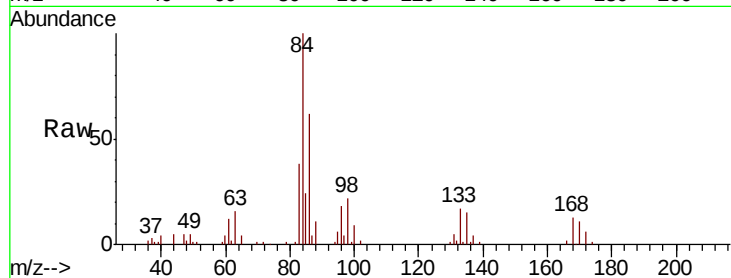
Tot Ion: 83 Resp: 16646

Ion Ratio Lower Upper

83 100

85 64.4 44.3 82.3

131 14.6 8.1 12.1#



#59

1,2,3-Trichloropropane

Concen: 2.044 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013113.D

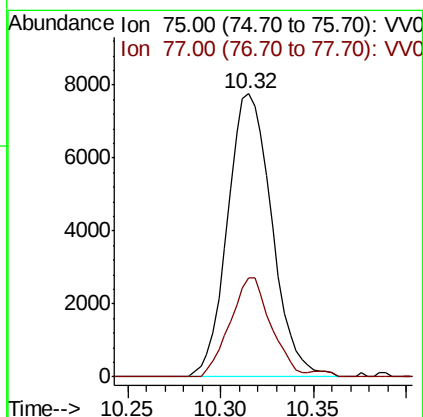
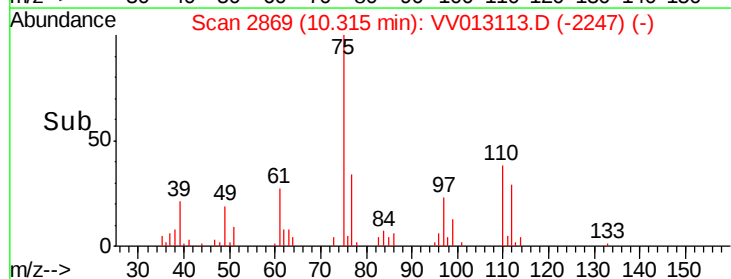
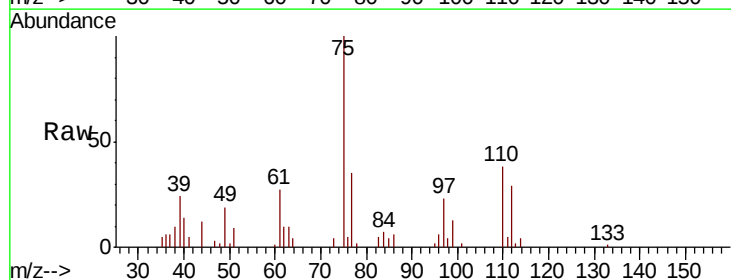
Acq: 11 Oct 2019 20:43

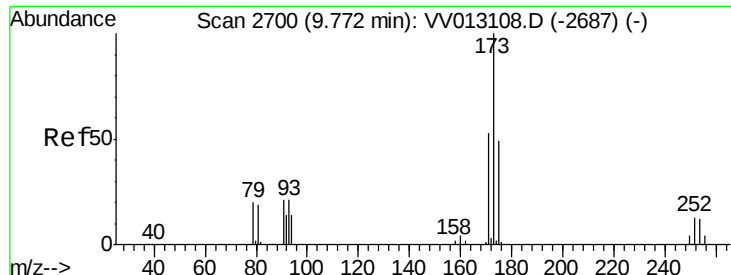
Tgt Ion: 75 Resp: 12868

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5





#61

Bromoform

Concen: 2.208 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

Instrument :
MSVOA_V
ClientSampleId :

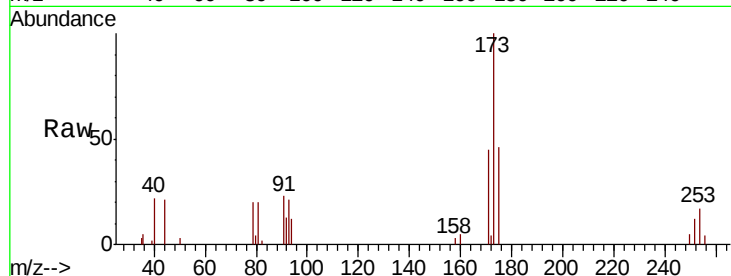
Tot Ion:173 Resp: 7591

Ion Ratio Lower Upper

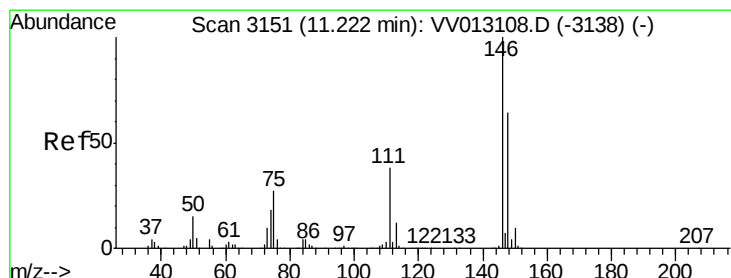
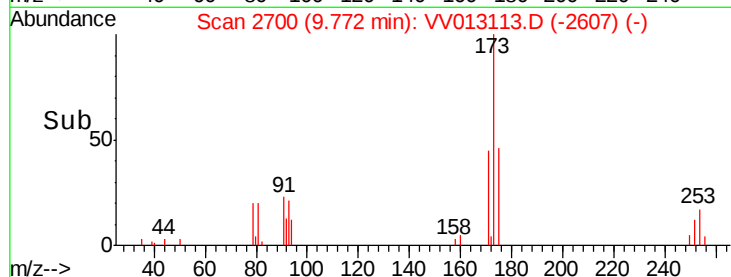
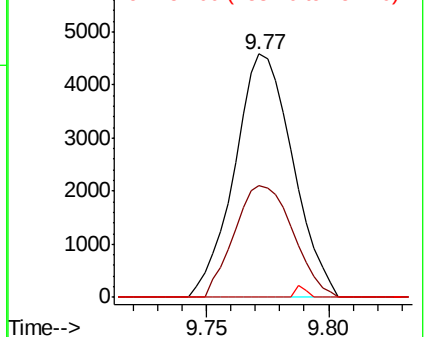
173 100

175 46.3 38.8 58.2

254 0.9 9.6 14.4#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 2.135 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013113.D

Acq: 11 Oct 2019 20:43

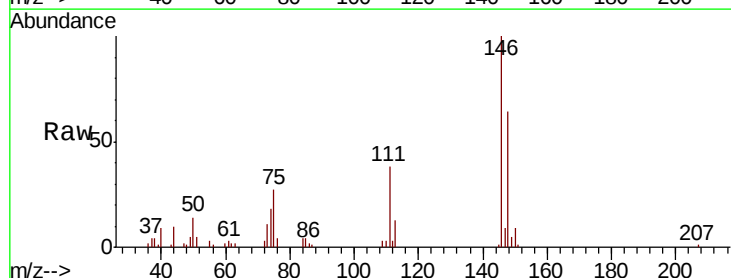
Tgt Ion:146 Resp: 18865

Ion Ratio Lower Upper

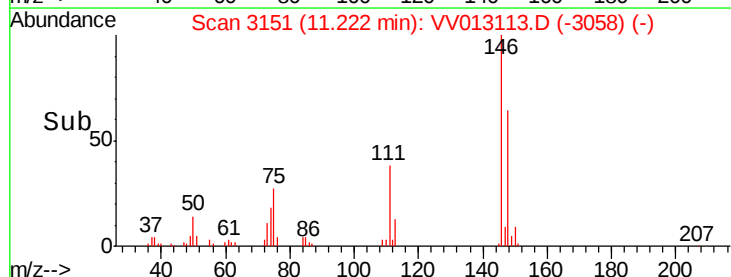
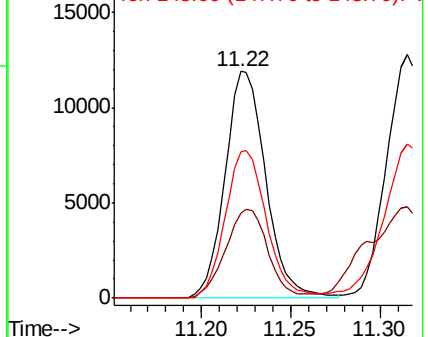
146 100

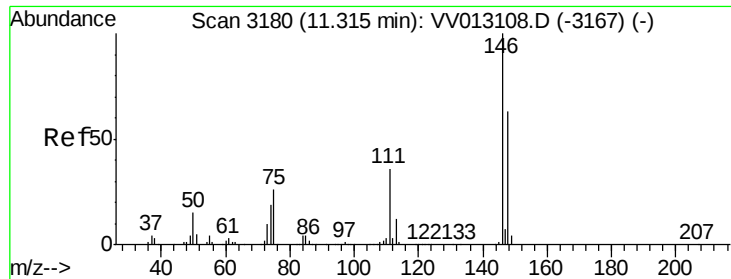
111 37.6 26.6 49.4

148 64.5 44.6 82.8



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

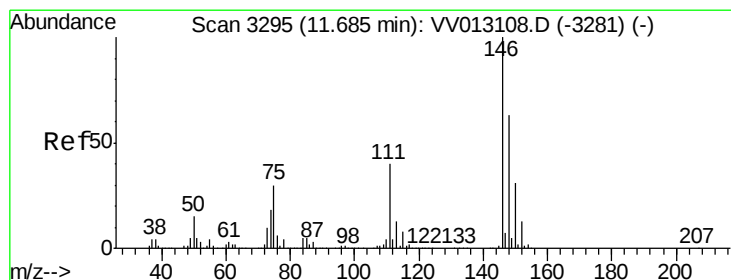
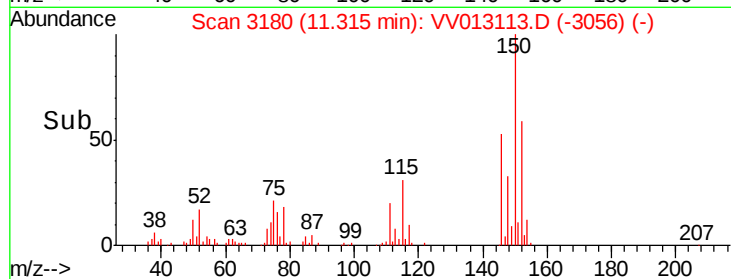
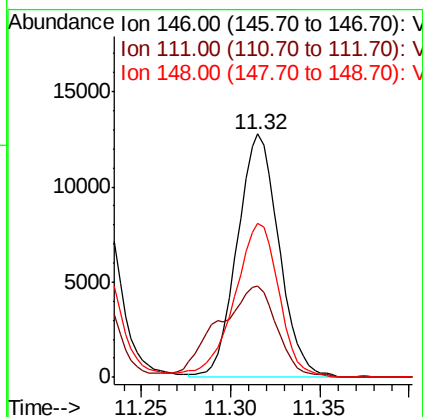
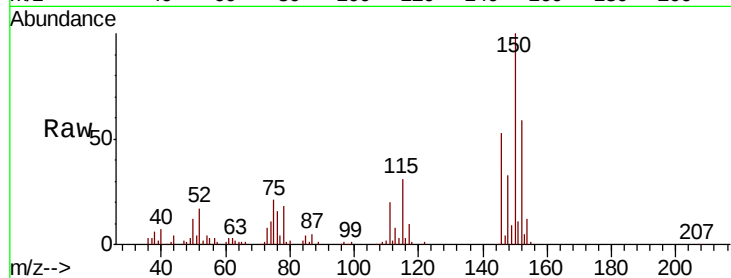




#63
 1,4-Dichlorobenzene
 Concen: 2.356 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV013113.D
 Acq: 11 Oct 2019 20:43

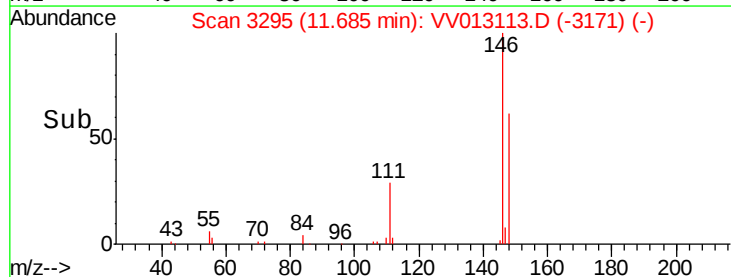
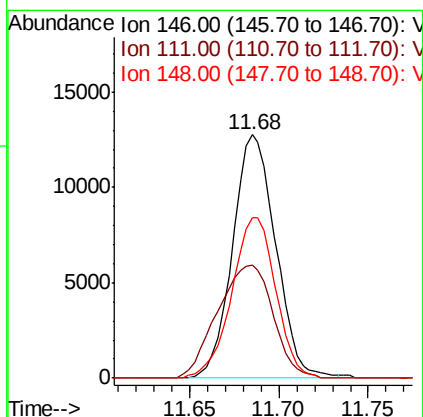
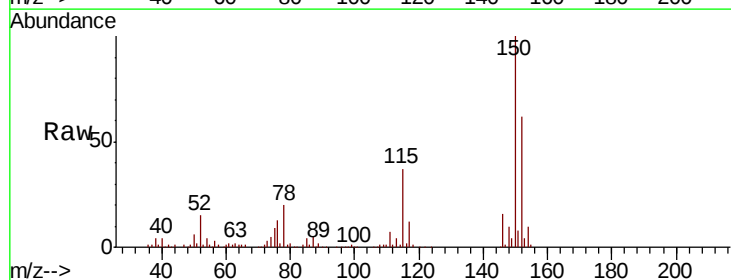
Instrument :
 MSVOA_V
 ClientSampleId :

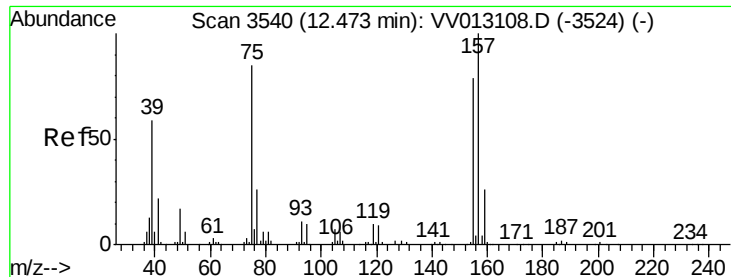
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	25.4	47.2
148	63.4	44.2	82.2



#65
 1,2-Dichlorobenzene
 Concen: 2.396 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013113.D
 Acq: 11 Oct 2019 20:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	32.2	48.2
148	65.9	50.6	76.0

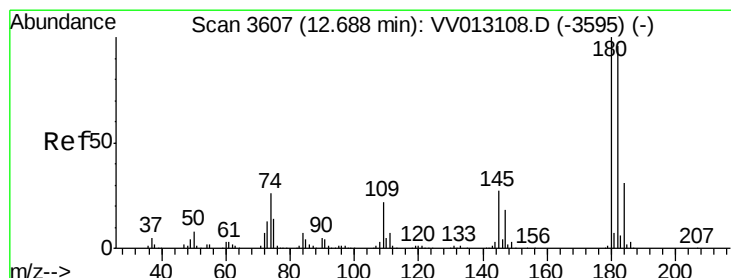
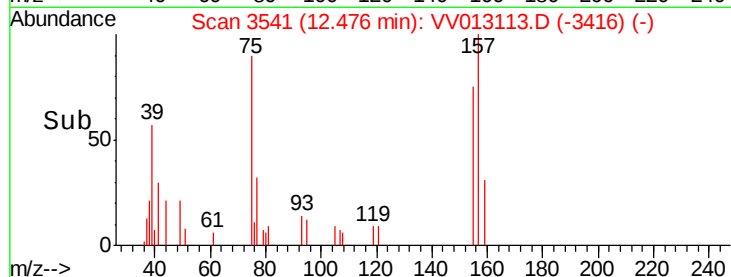
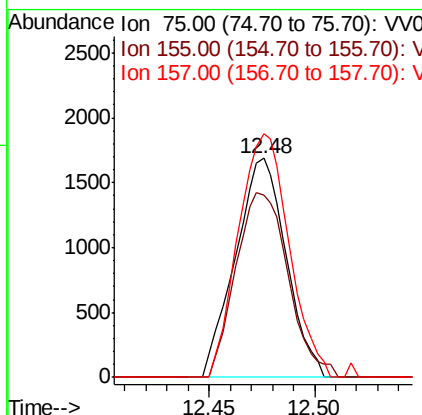
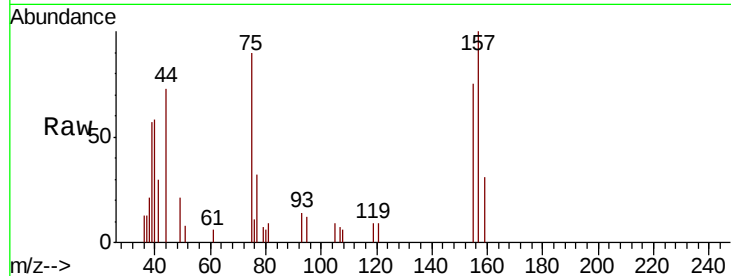




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.151 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV013113.D
 Acq: 11 Oct 2019 20:43

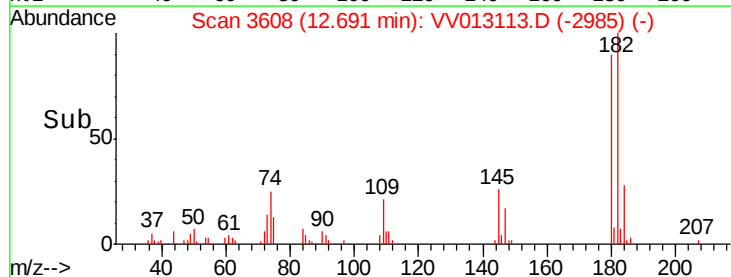
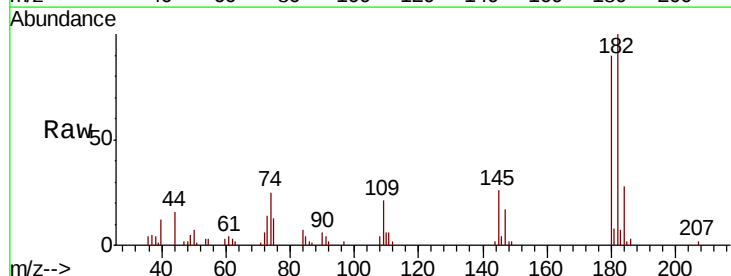
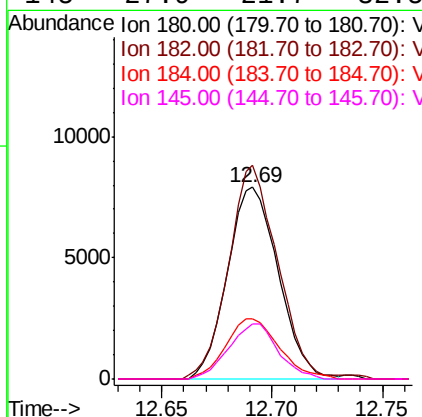
Instrument :
 MSVOA_V
 ClientSampleId :

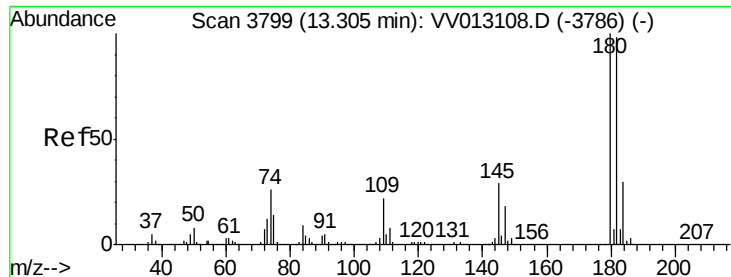
Tot Ion: 75 Resp: 2814
 Ion Ratio Lower Upper
 75 100
 155 83.1 74.6 111.8
 157 111.1 94.2 141.4



#67
 1,3,5-Trichlorobenzene
 Concen: 2.017 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013113.D
 Acq: 11 Oct 2019 20:43

Tgt Ion: 180 Resp: 12708
 Ion Ratio Lower Upper
 180 100
 182 107.0 76.7 115.1
 184 32.9 24.3 36.5
 145 27.9 21.7 32.5

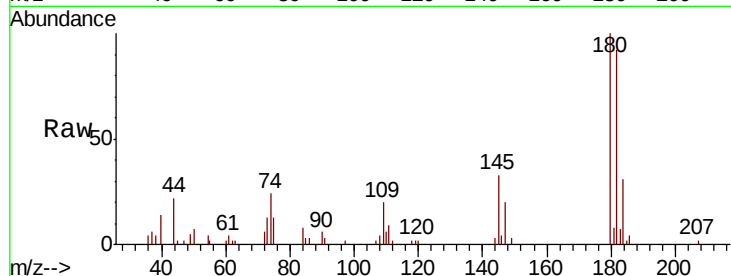




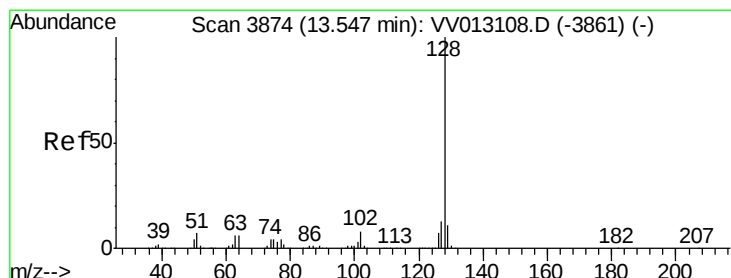
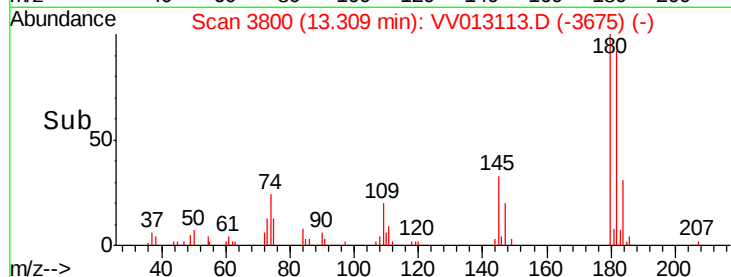
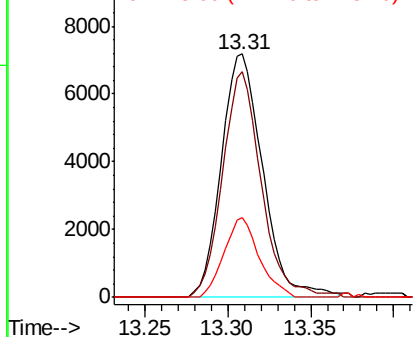
#68
1,2,4-trichlorobenzene
Concen: 2.305 ug/L
RT: 13.31 min Scan# 3800
Delta R.T. 0.00 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:180 Resp: 12456
Ion Ratio Lower Upper
180 100
182 86.4 77.4 116.0
145 27.8 22.7 34.1

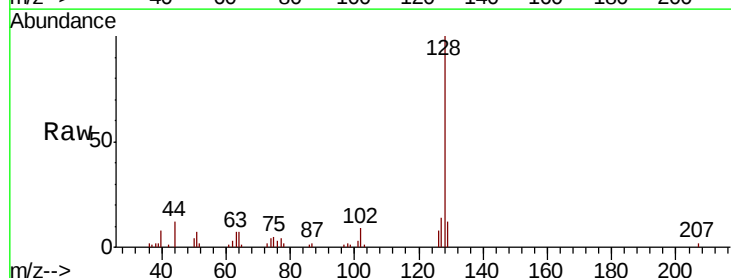


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

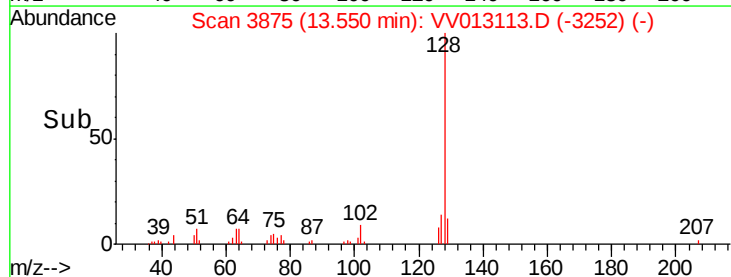
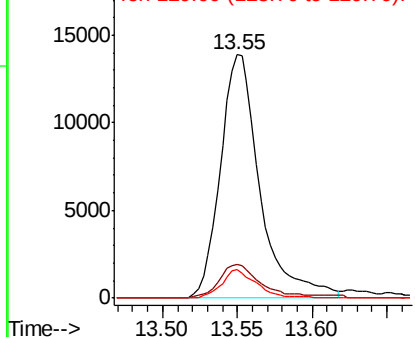


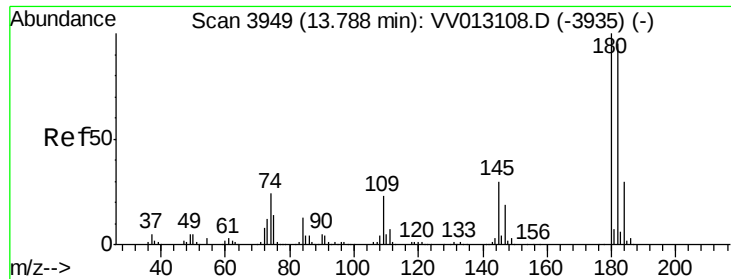
#69
Naphthalene
Concen: 1.722 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV013113.D
Acq: 11 Oct 2019 20:43

Tgt Ion:128 Resp: 25640
Ion Ratio Lower Upper
128 100
127 14.5 10.2 15.4
129 10.0 8.6 13.0



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

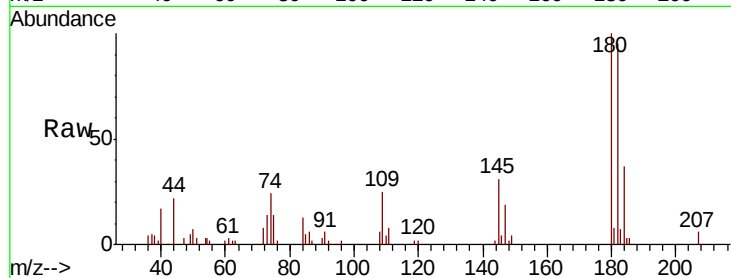




#70
 1,2,3-Trichlorobenzene
 Concen: 2.079 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013113.D
 Acq: 11 Oct 2019 20:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	180	Resp	12019
Ion Ratio	Lower	Upper	
180	100		
182	91.1	76.9	115.3
145	28.9	23.8	35.8



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

