

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019156.D
 Acq On : 29 Oct 2020 19:37
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 30 05:39:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	224711	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	216516	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111525	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88214	49.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.80%
7) Chloroethane-d5	1.58	69	69393	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.04%
11) 1,1-Dichloroethene-d2	2.12	63	131120	38.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.20%
21) 2-Butanone-d5	3.91	46	117031	107.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.00%
24) Chloroform-d	4.38	84	167137	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
26) 1,2-Dichloroethane-d4	5.05	65	122935	53.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.22%
32) Benzene-d6	5.07	84	320317	52.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.30%
36) 1,2-Dichloropropane-d6	6.09	67	99086	54.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.22%
41) Toluene-d8	7.33	98	291120	49.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.68%
43) trans-1,3-Dichloropropene-	7.64	79	53684	50.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.32%
47) 2-Hexanone-d5	8.11	63	85123	107.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.33%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	127935	51.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	123595	52.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3859	1.956 ug/L	99
3) Chloromethane	1.25	50	3859	2.154 ug/L	98
5) Vinyl chloride	1.32	62	4425	2.412 ug/L #	63
6) Bromomethane	1.53	94	2802	2.280 ug/L	99
8) Chloroethane	1.60	64	2773	2.431 ug/L	100
9) Trichlorofluoromethane	1.77	101	5863	1.918 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4309	2.929 ug/L #	75
12) 1,1-Dichloroethene	2.13	96	3979	2.761 ug/L #	1
13) Acetone	2.20	43	4395	4.325 ug/L	72
14) Carbon disulfide	2.31	76	10296	2.248 ug/L #	93
15) Methyl Acetate	2.46	43	3703	2.261 ug/L #	89
16) Methylene chloride	2.53	84	3967	2.424 ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	3256	2.104 ug/L	96
18) Methyl tert-butyl Ether	2.79	73	10559	2.037 ug/L	98
19) 1,1-Dichloroethane	3.22	63	5966	2.069 ug/L	91
20) cis-1,2-Dichloroethene	3.94	96	3388	1.995 ug/L	92
23) Bromochloromethane	4.28	128	1943	2.132 ug/L	90

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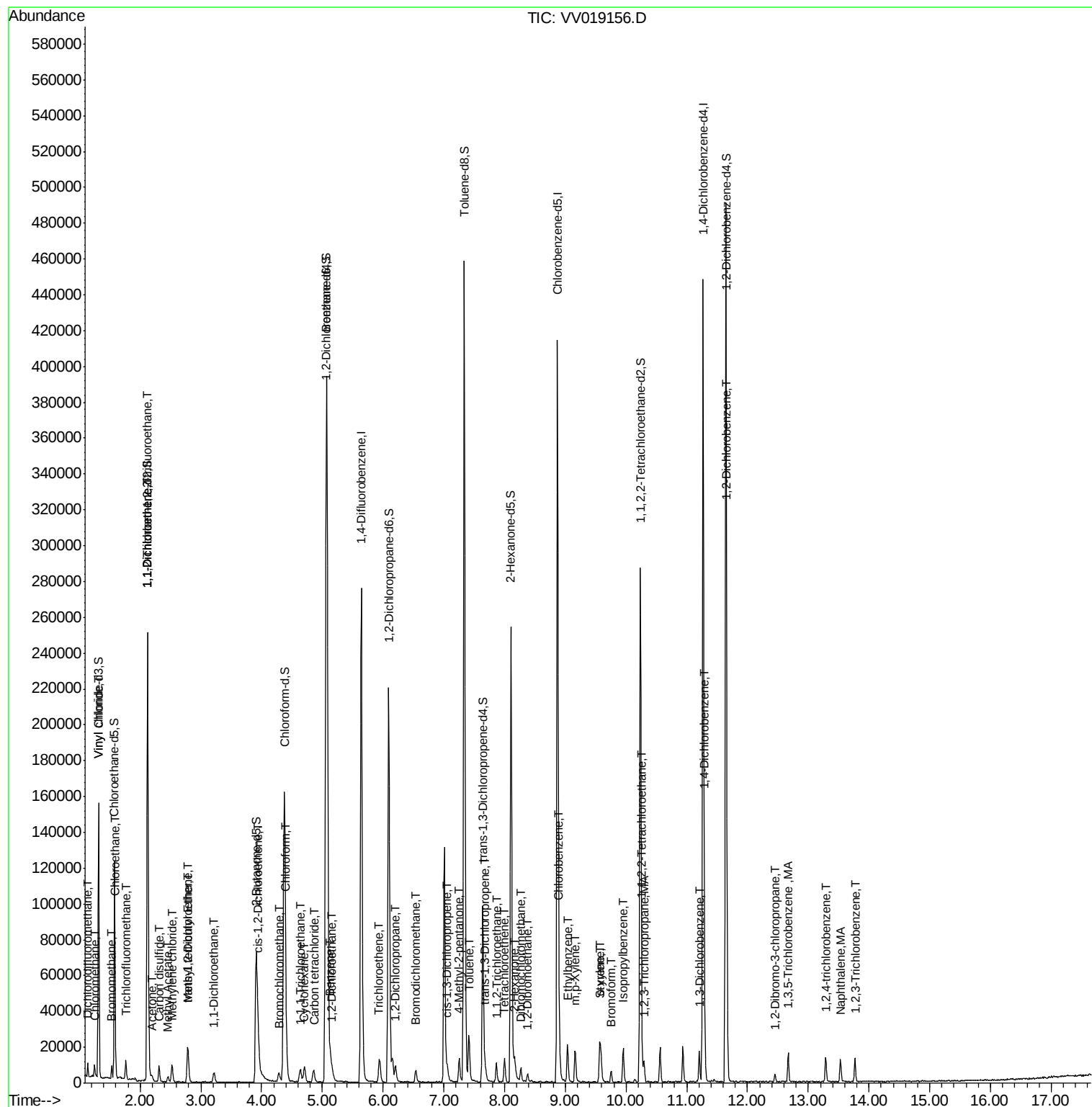
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	8251	2.648	ug/L	96
27) 1,2-Dichloroethane	5.17	62	5919	2.231	ug/L #	90
29) Cyclohexane	4.70	56	4408	1.824	ug/L #	90
30) 1,1,1-Trichloroethane	4.64	97	5902	2.012	ug/L	97
31) Carbon tetrachloride	4.86	117	5108	1.963	ug/L	97
33) Benzene	5.13	78	13375	2.143	ug/L	100
34) Trichloroethene	5.95	95	3582	2.095	ug/L	89
37) 1,2-Dichloropropane	6.20	63	3506	2.261	ug/L #	89
38) Bromodichloromethane	6.54	83	4775	2.070	ug/L #	93
39) cis-1,3-Dichloropropene	7.05	75	5578	2.178	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	8594	4.018	ug/L	98
42) Toluene	7.41	91	18577	2.715	ug/L	92
44) trans-1,3-Dichloropropene	7.68	75	5533	2.077	ug/L	85
45) 1,1,2-Trichloroethane	7.87	97	3176	2.043	ug/L	91
46) Tetrachloroethene	8.00	164	3113	2.132	ug/L	95
48) 2-Hexanone	8.16	43	7908	4.652	ug/L #	91
49) Dibromochloromethane	8.27	129	3843	2.041	ug/L	88
50) 1,2-Dibromoethane	8.38	107	3203	1.931	ug/L #	90
51) Chlorobenzene	8.90	112	9386	2.092	ug/L	99
52) Ethylbenzene	9.04	91	14335	1.901	ug/L	98
53) m,p-Xylene	9.16	106	5449	1.913	ug/L	98
54) o-xylene	9.57	106	4928	1.802	ug/L	95
55) Styrene	9.59	104	8194	1.691	ug/L	98
56) Isopropylbenzene	9.96	105	12554	1.708	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	5463	2.307	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	4547	2.244	ug/L	96
61) Bromoform	9.75	173	3005	2.184	ug/L #	93
62) 1,3-Dichlorobenzene	11.21	146	7215	2.051	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	8254	2.258	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	7842	2.250	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.46	75	1093	1.833	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	5627	2.173	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	4878	2.011	ug/L	98
69) Naphthalene	13.53	128	11345	1.669	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	4442	1.871	ug/L	97

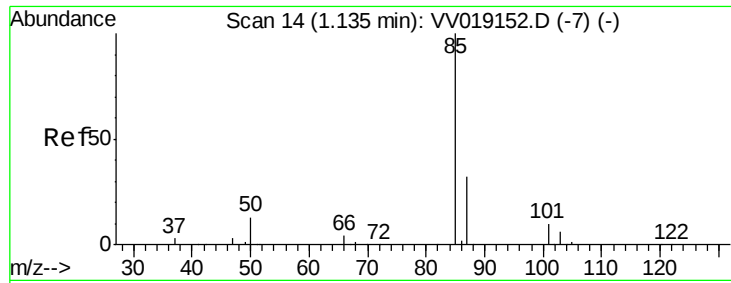
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.956 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

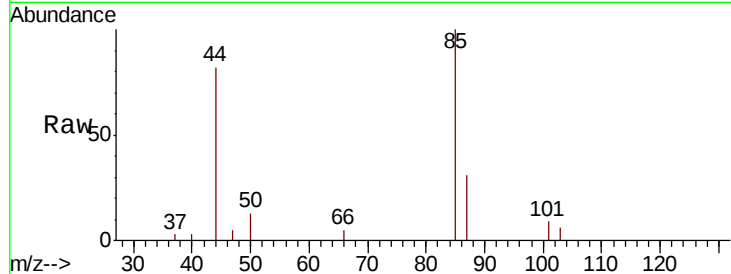
ClientSampleId :

Tot Ion: 85 Resp: 3859

Ion Ratio Lower Upper

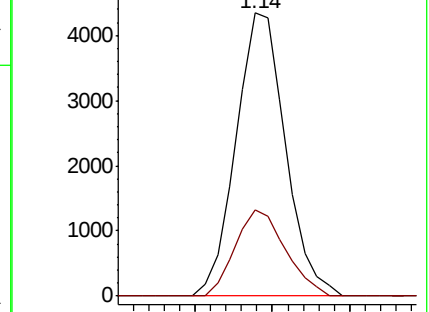
85 100

87 31.0 25.3 37.9

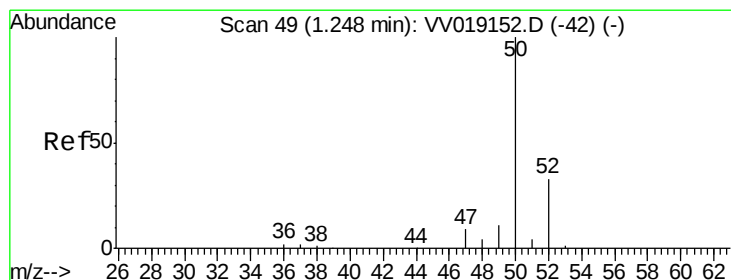
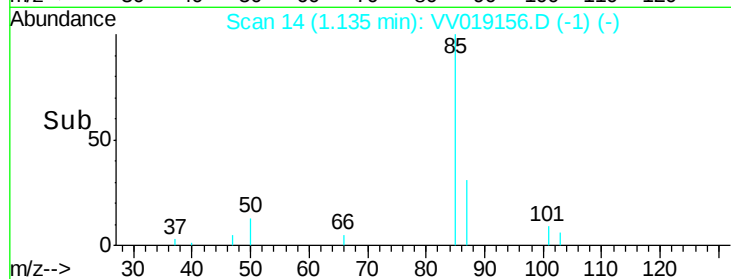


Abundance Ion 85.00 (84.70 to 85.70): VV019152.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019152.D (-7) (-)



Time-->



#3

Chloromethane

Concen: 2.154 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019156.D

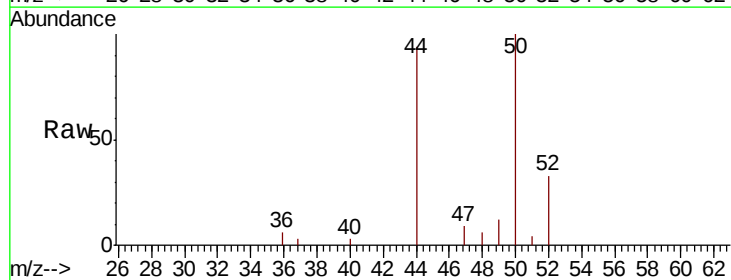
Acq: 29 Oct 2020 19:37

Tgt Ion: 50 Resp: 3859

Ion Ratio Lower Upper

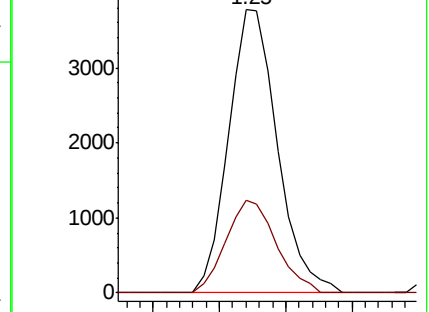
50 100

52 32.7 22.1 41.1

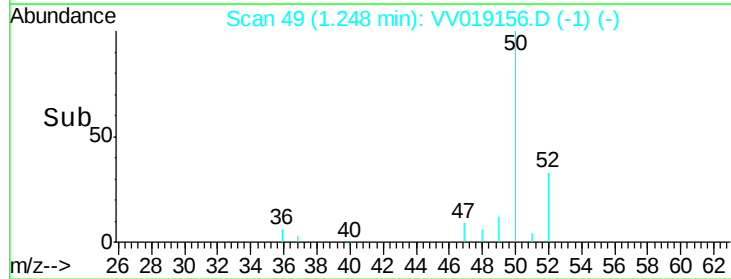


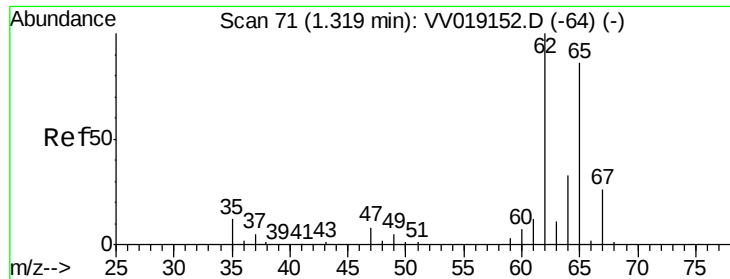
Abundance Ion 50.00 (49.70 to 50.70): VV019152.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019152.D (-42) (-)



Time-->

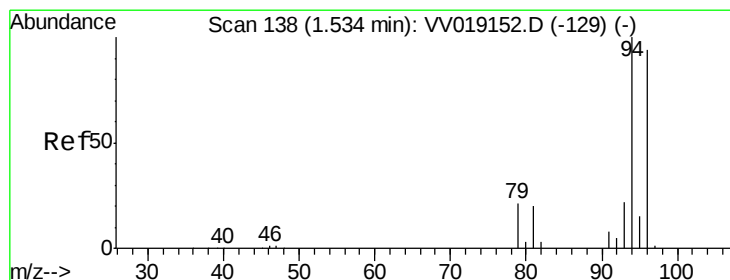
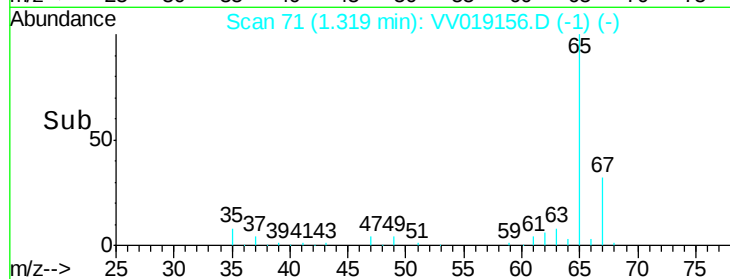
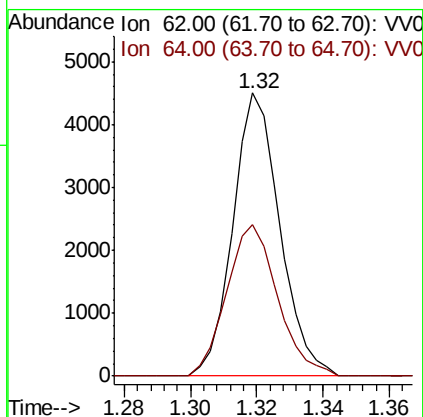
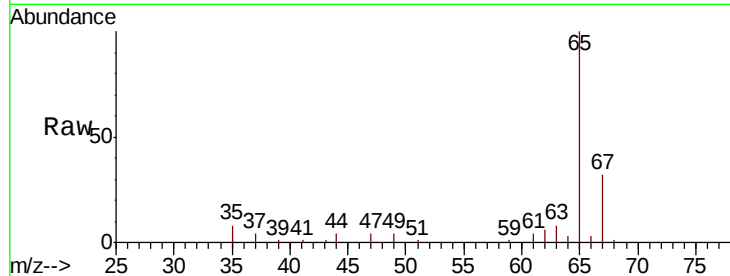




#5
 Vinyl chloride
 Concen: 2.412 ug/L
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

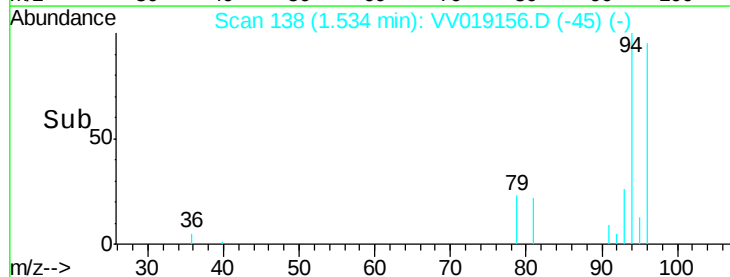
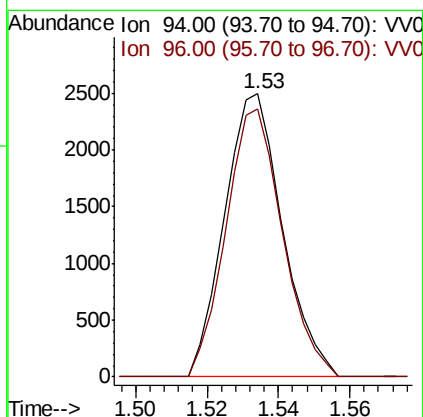
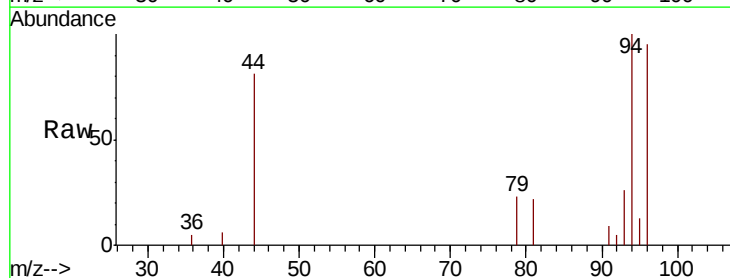
Instrument :
 MSVOA_V
 ClientSampled :

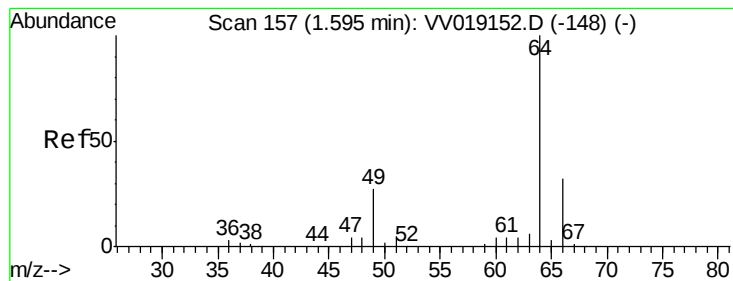
Tot Ion: 62 Resp: 4425
 Ion Ratio Lower Upper
 62 100
 64 53.3 22.7 42.3#



#6
 Bromomethane
 Concen: 2.280 ug/L
 RT: 1.53 min Scan# 138
 Delta R.T. 0.00 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Tgt Ion: 94 Resp: 2802
 Ion Ratio Lower Upper
 94 100
 96 94.6 67.0 124.4





#8

Chloroethane

Concen: 2.431 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

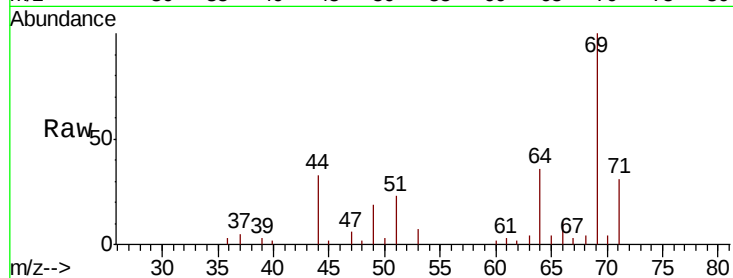
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 2773

Ion Ratio Lower Upper

64 100

66 31.2 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV019152.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV019152.D (-148) (-)

1.60

2500

2000

1500

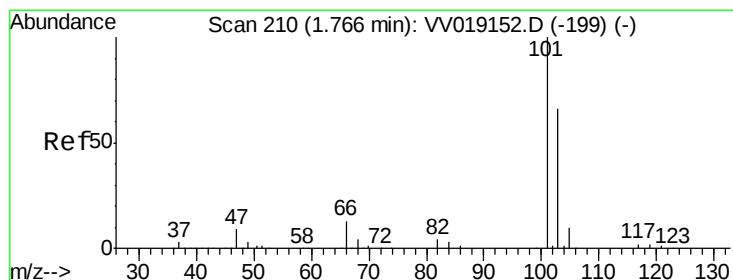
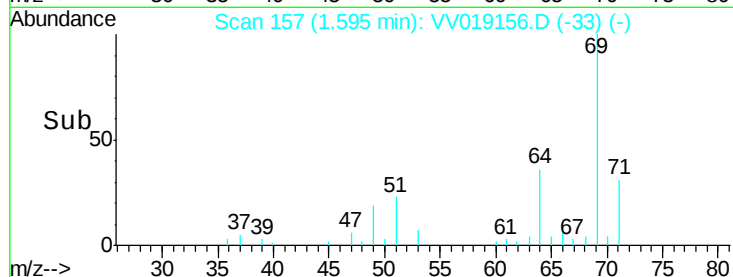
1000

500

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 1.918 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019156.D

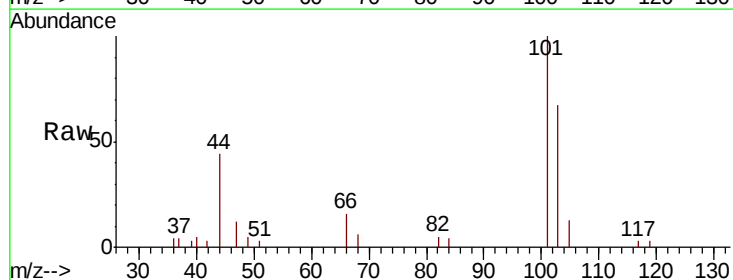
Acq: 29 Oct 2020 19:37

Tgt Ion: 101 Resp: 5863

Ion Ratio Lower Upper

101 100

103 64.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV019152.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019152.D (-199) (-)

1.77

5000

4000

3000

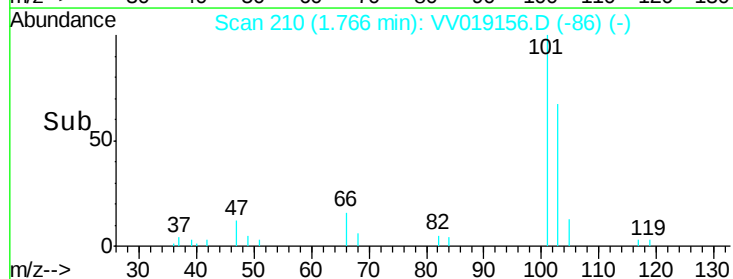
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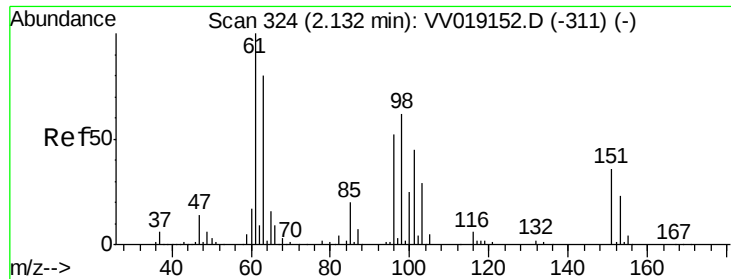
1000

0

Time-->

1.75 1.80





#10

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

Concen: 2.929 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampleId :

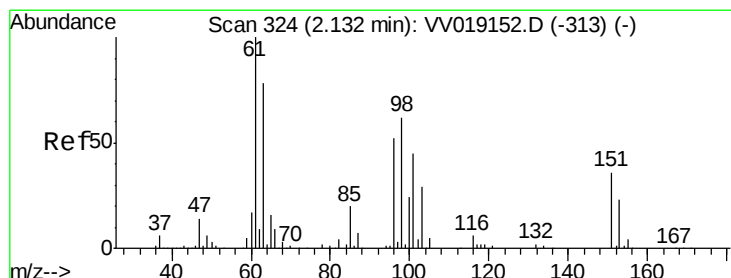
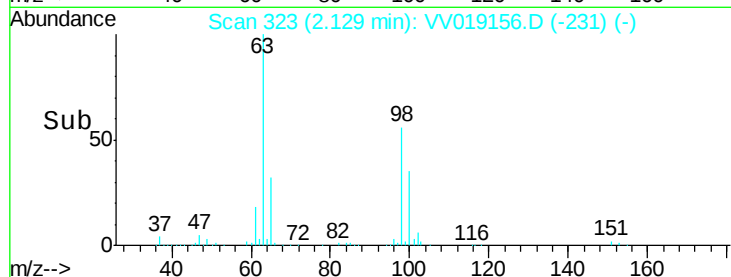
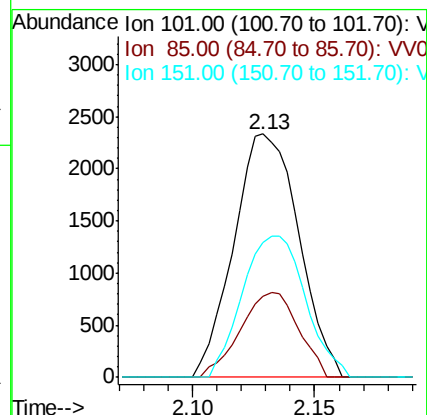
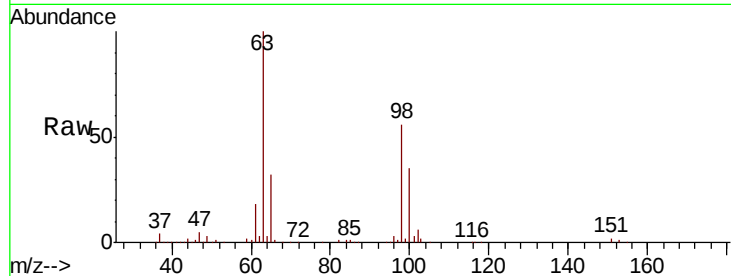
Tot Ion:101 Resp: 4309

Ion Ratio Lower Upper

101 100

85 31.1 36.1 54.1#

151 56.5 65.0 97.4#



#12

1,1-Dichloroethene

Concen: 2.761 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

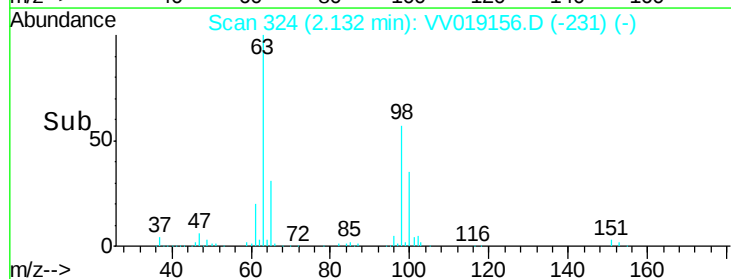
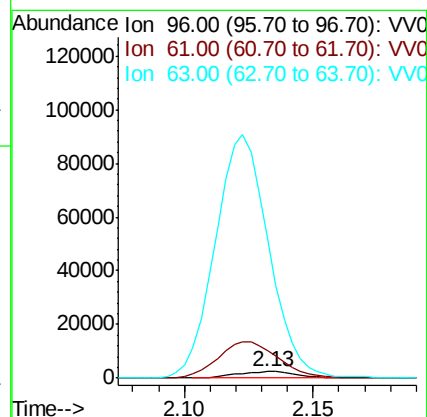
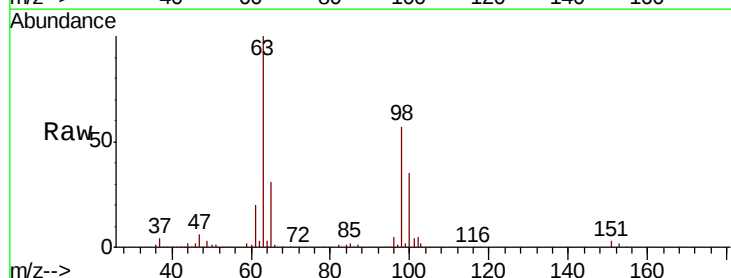
Tgt Ion: 96 Resp: 3979

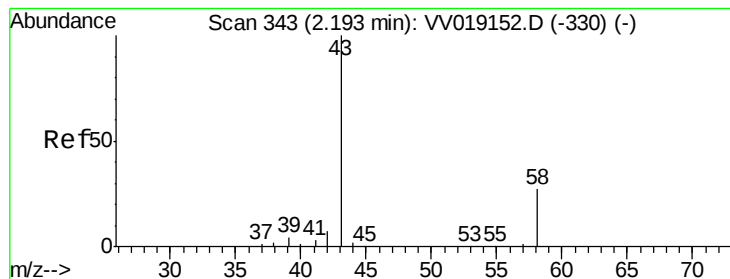
Ion Ratio Lower Upper

96 100

61 421.6 132.6 246.2#

63 2103.3 108.4 201.4#





#13

Acetone

Concen: 4.325 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

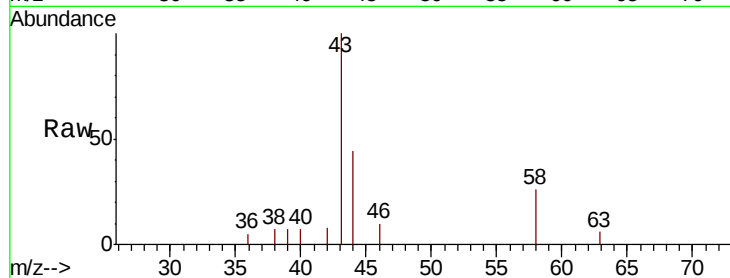
ClientSampled :

Tot Ion: 43 Resp: 4395

Ion Ratio Lower Upper

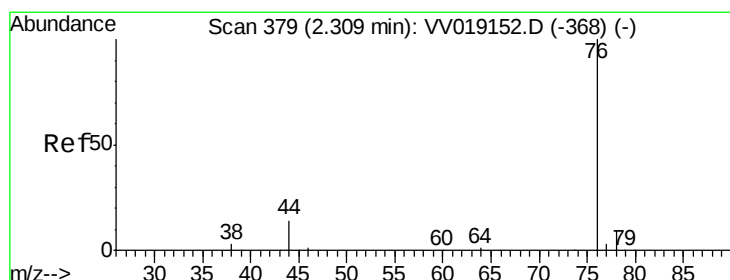
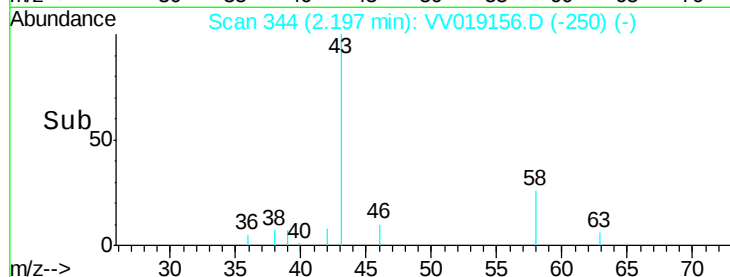
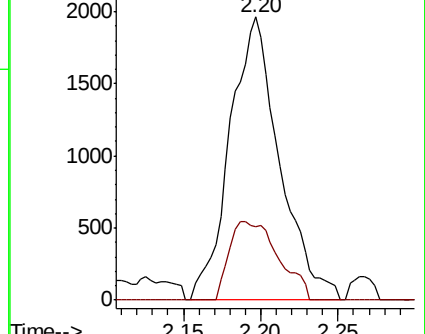
43 100

58 14.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019156.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV019156.D (-250) (-)



#14

Carbon disulfide

Concen: 2.248 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019156.D

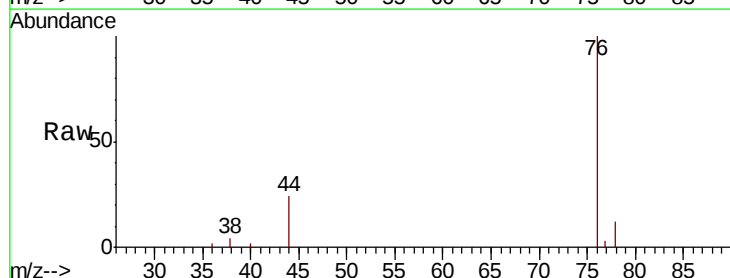
Acq: 29 Oct 2020 19:37

Tgt Ion: 76 Resp: 10296

Ion Ratio Lower Upper

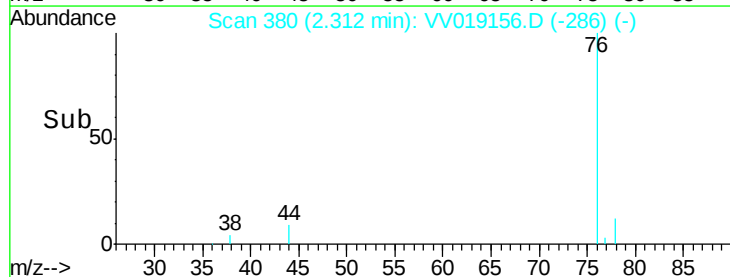
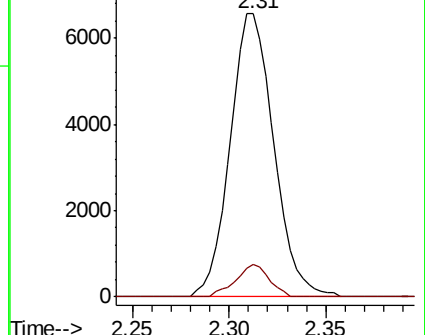
76 100

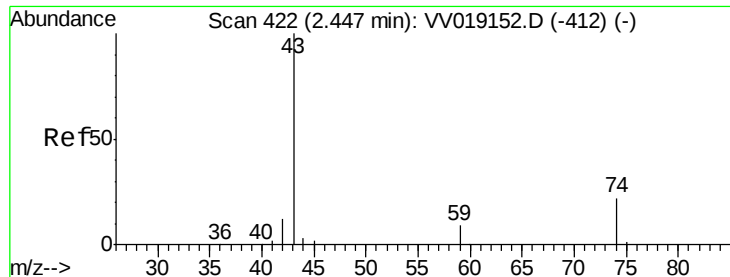
78 11.6 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VV019156.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019156.D (-286) (-)

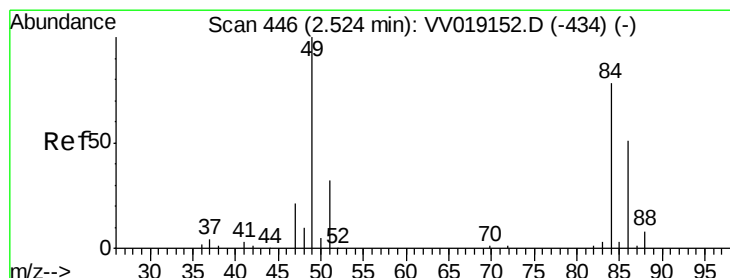
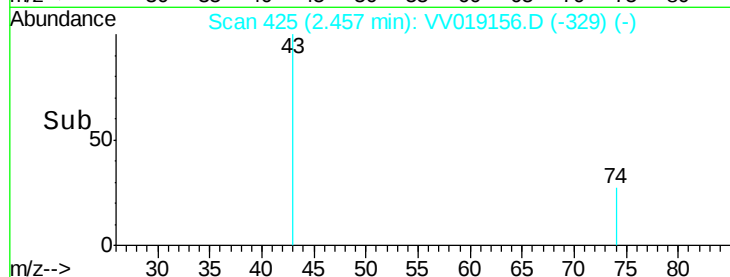
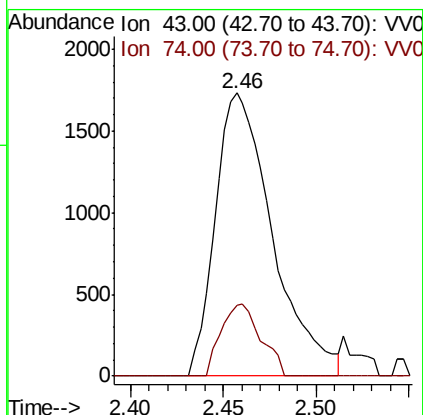
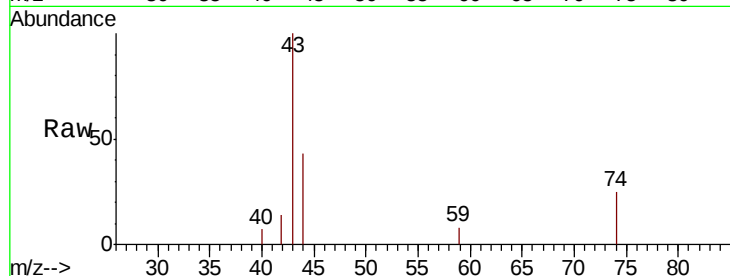




#15
Methvl Acetate
Concen: 2.261 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

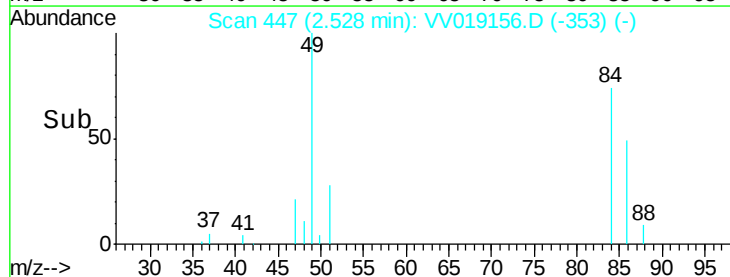
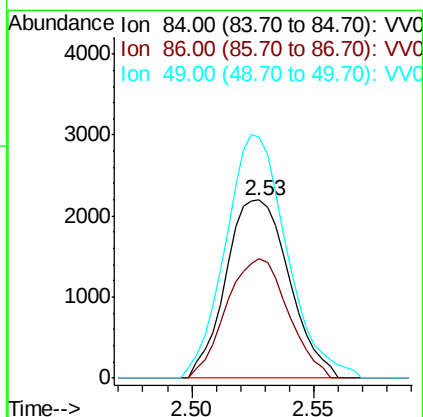
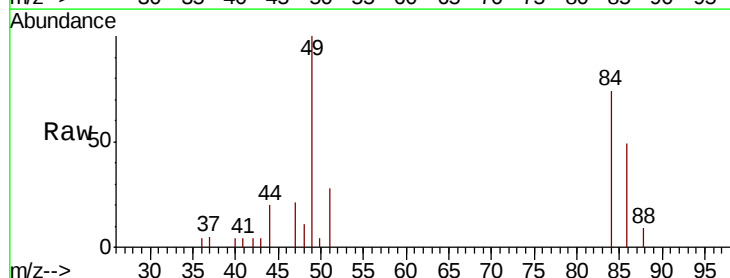
Instrument :
MSVOA_V
ClientSampleId :

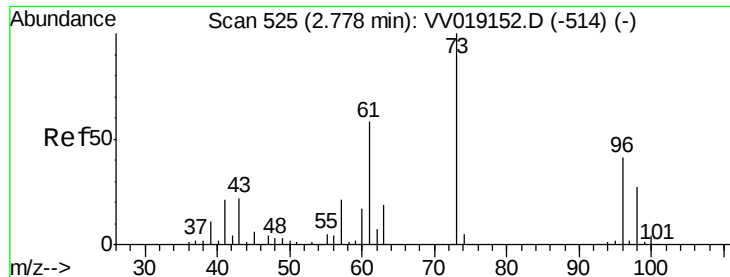
Tot Ion: 43 Resp: 3703
Ion Ratio Lower Upper
43 100
74 17.7 18.4 27.6#



#16
Methylene chloride
Concen: 2.424 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion: 84 Resp: 3967
Ion Ratio Lower Upper
84 100
86 67.1 46.0 85.4
49 135.9 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 2.104 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampleId :

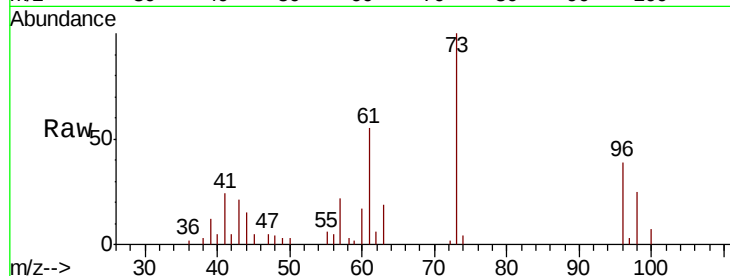
Tot Ion: 96 Resp: 3256

Ion Ratio Lower Upper

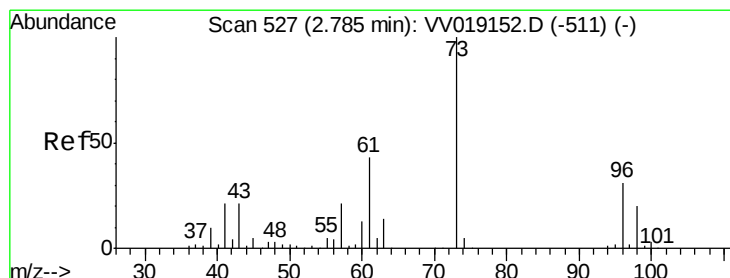
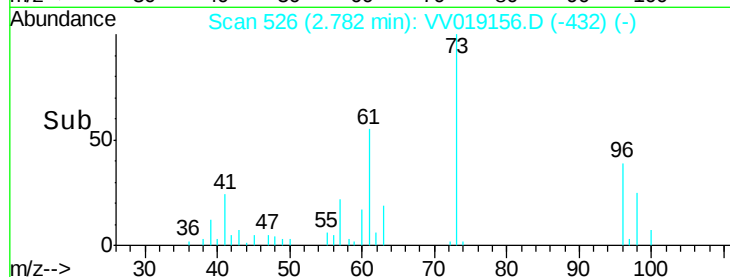
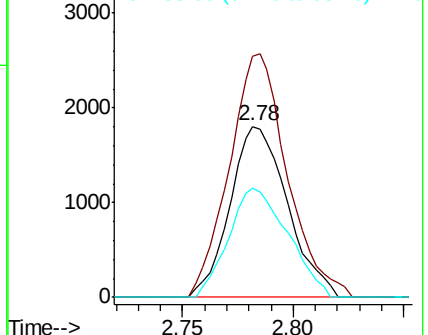
96 100

61 140.7 102.4 190.2

98 63.6 45.9 85.3



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: 2.037 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

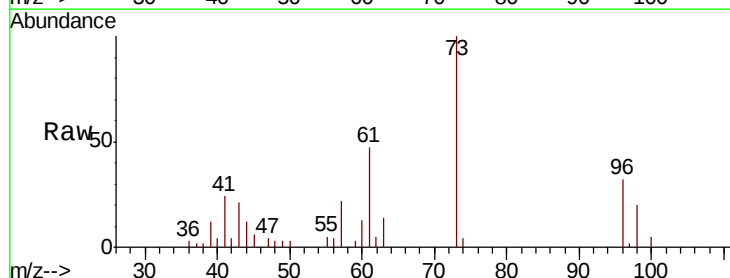
Tgt Ion: 73 Resp: 10559

Ion Ratio Lower Upper

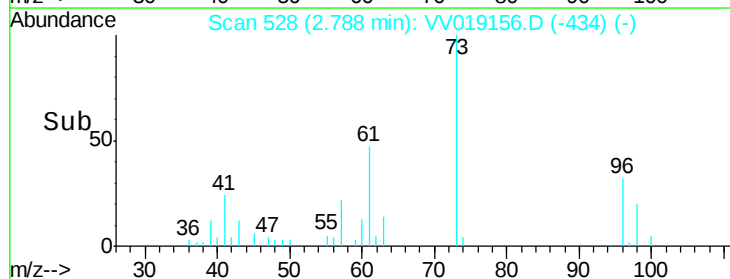
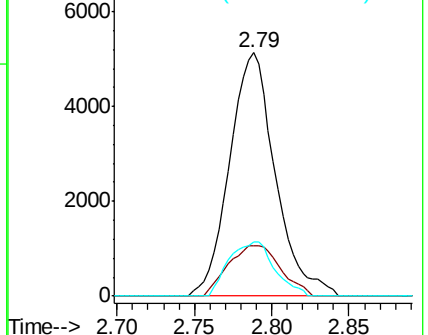
73 100

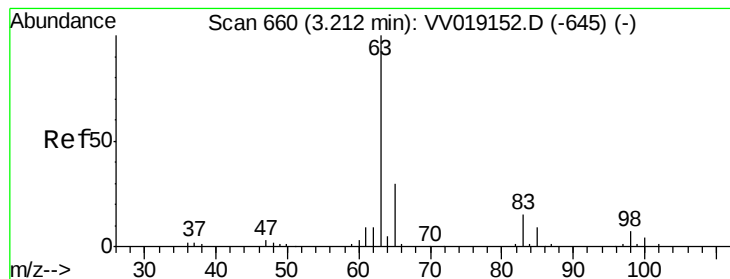
43 23.8 17.9 26.9

57 22.3 17.1 25.7



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: 2.069 ug/L

RT: 3.22 min Scan# 661

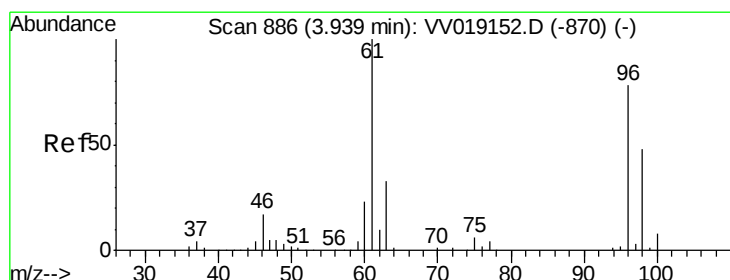
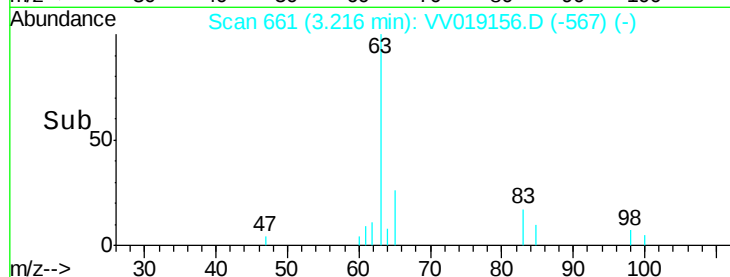
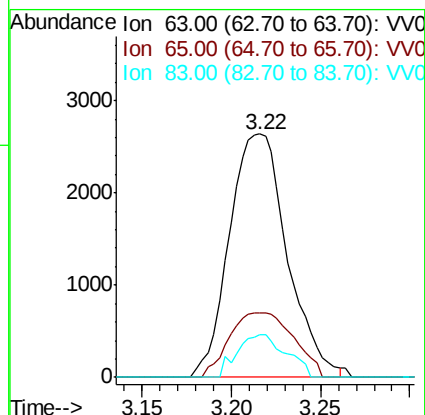
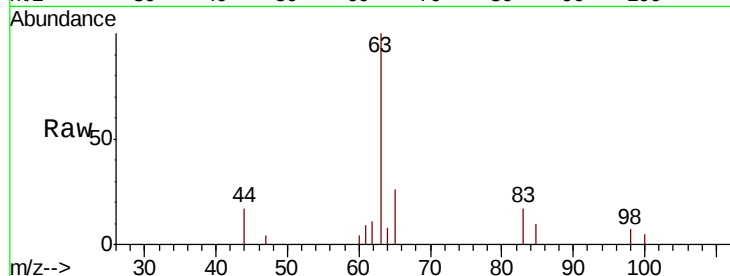
Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	63	Resp:	5966
Ion	Ratio	Lower	Upper
63	100		
65	26.4	22.0	40.8
83	17.4	9.6	17.8



#20

cis-1,2-Dichloroethene

Concen: 1.995 ug/L

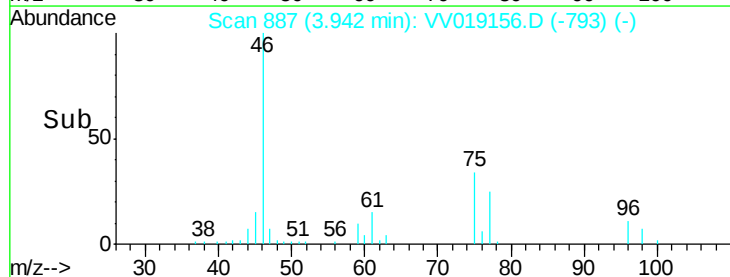
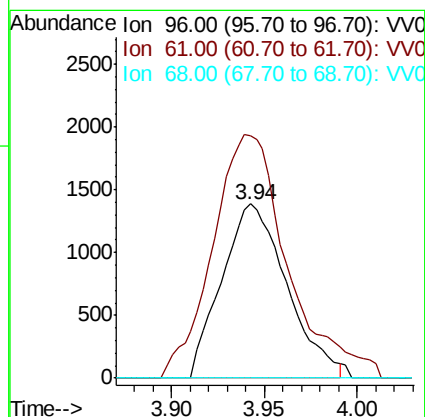
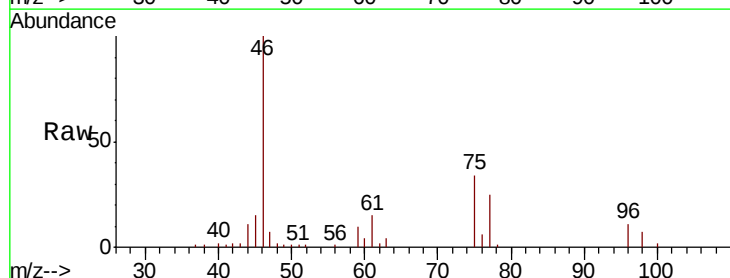
RT: 3.94 min Scan# 887

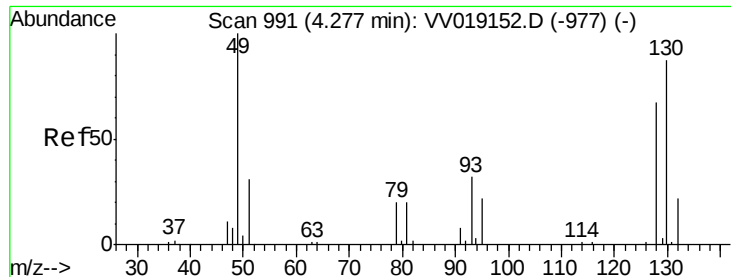
Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Tgt Ion:	96	Resp:	3388
Ion	Ratio	Lower	Upper
96	100		
61	139.3	90.7	168.5
68	0.0	0.0	0.0

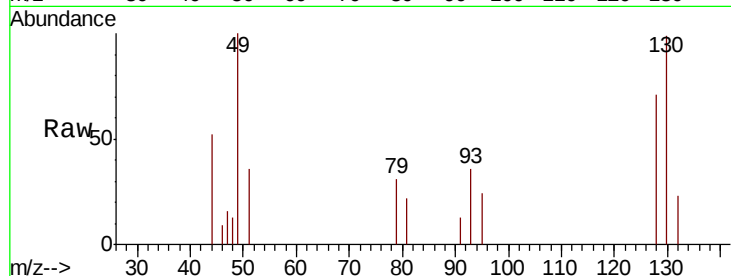




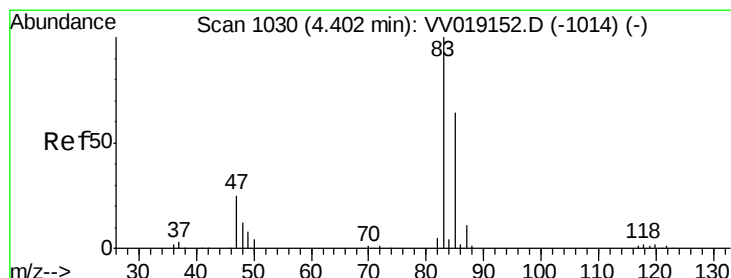
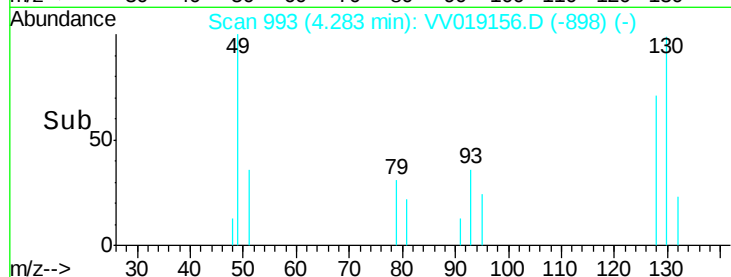
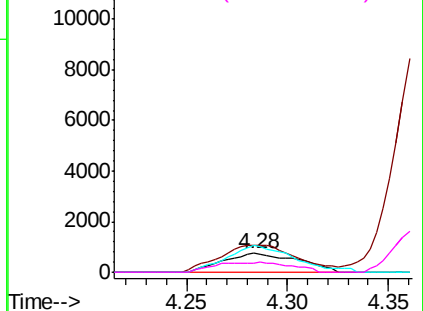
#23
Bromochloromethane
Concen: 2.132 ug/L
RT: 4.28 min Scan# 993
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 1943
Ion Ratio Lower Upper
128 100
49 140.3 108.5 201.5
130 139.4 90.4 167.8
51 50.0 36.9 55.3

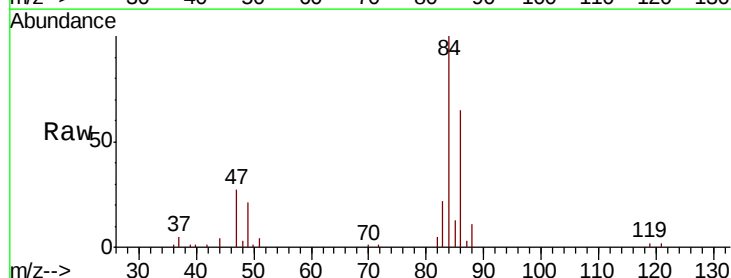


Abundance Ion 128.00 (127.70 to 128.70): VV019156.D (-977) (-)
Ion 49.00 (48.70 to 49.70): VV019156.D (-977) (-)
Ion 130.00 (129.70 to 130.70): VV019156.D (-977) (-)
Ion 51.00 (50.70 to 51.70): VV019156.D (-977) (-)

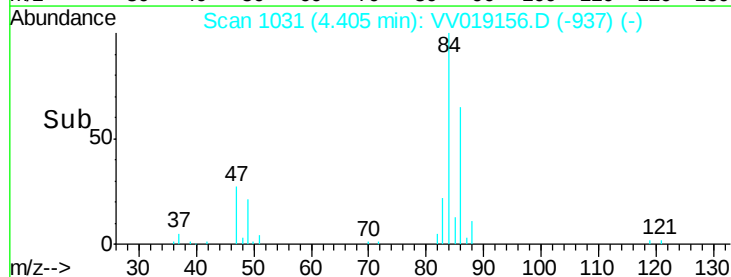
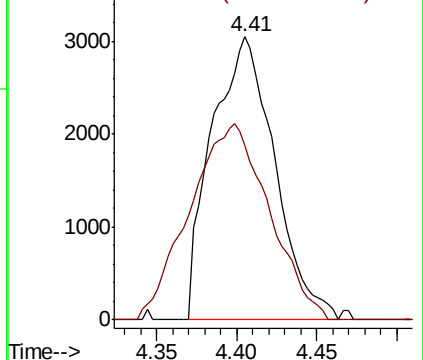


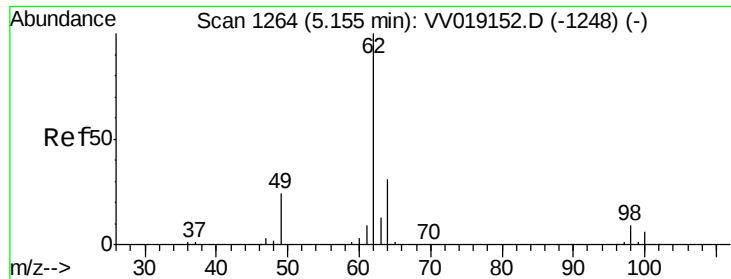
#25
Chloroform
Concen: 2.648 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion: 83 Resp: 8251
Ion Ratio Lower Upper
83 100
85 61.6 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV019156.D (-1014) (-)
Ion 85.00 (84.70 to 85.70): VV019156.D (-1014) (-)

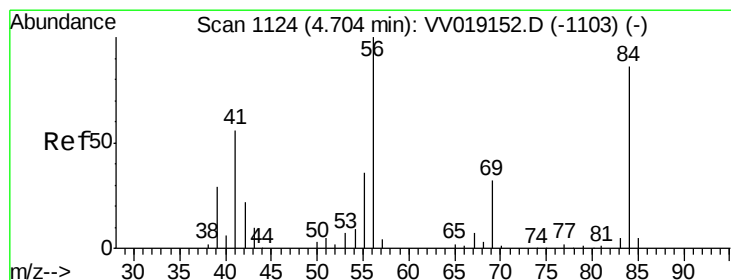
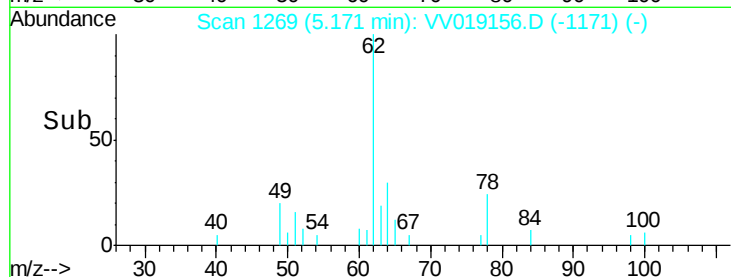
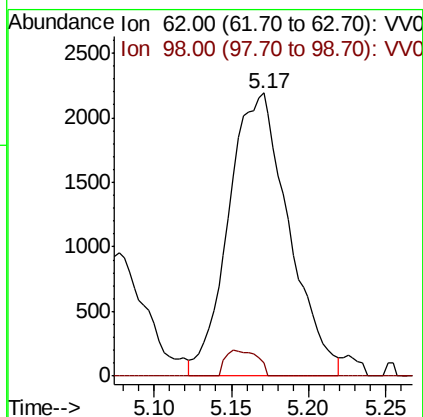
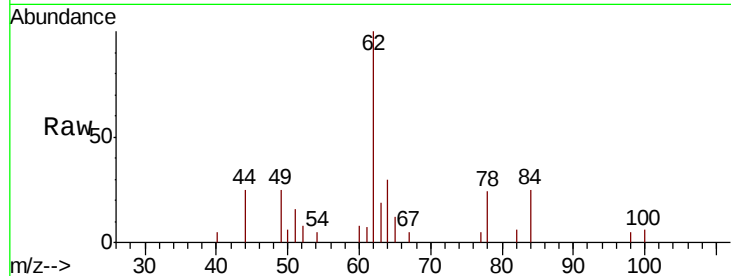




#27
 1,2-Dichloroethane
 Concen: 2.231 ug/L
 RT: 5.17 min Scan# 1269
 Delta R.T. 0.02 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

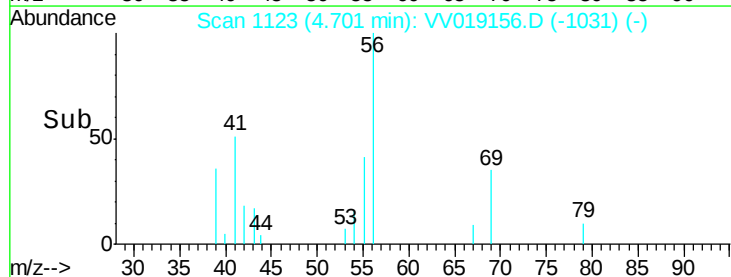
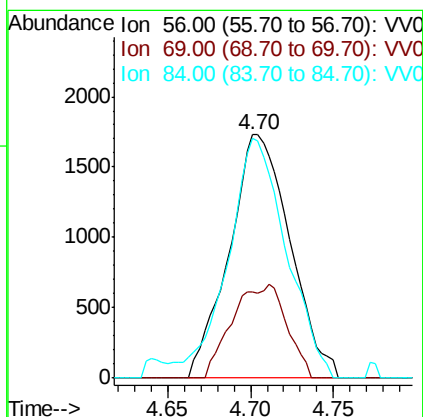
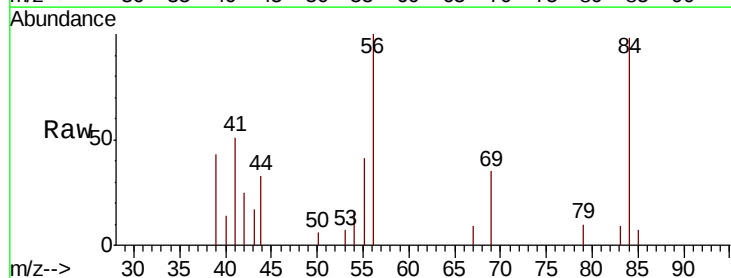
Instrument :
 MSVOA_V
 ClientSampled :

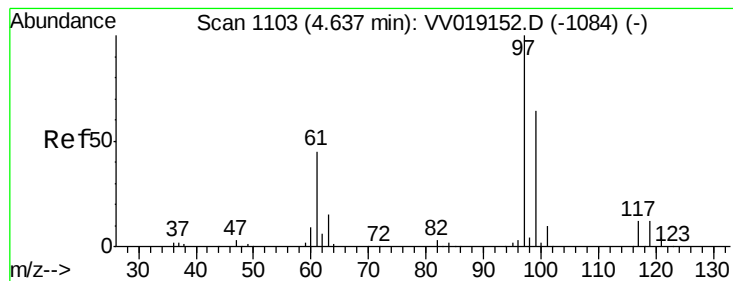
Tot Ion: 62 Resp: 5919
 Ion Ratio Lower Upper
 62 100
 98 4.8 6.8 10.2#



#29
 Cyclohexane
 Concen: 1.824 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Tgt Ion: 56 Resp: 4408
 Ion Ratio Lower Upper
 56 100
 69 18.3 25.0 37.4#
 84 94.4 71.5 107.3





#30

1,1,1-Trichloroethane

Concen: 2.012 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampleId :

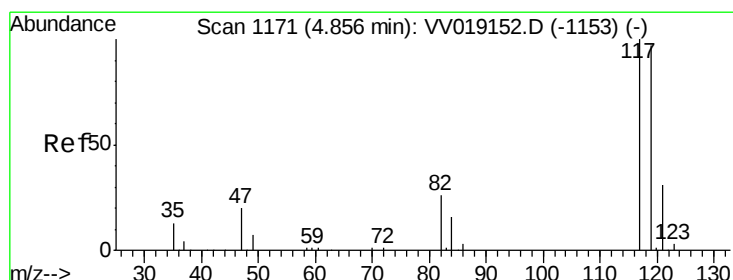
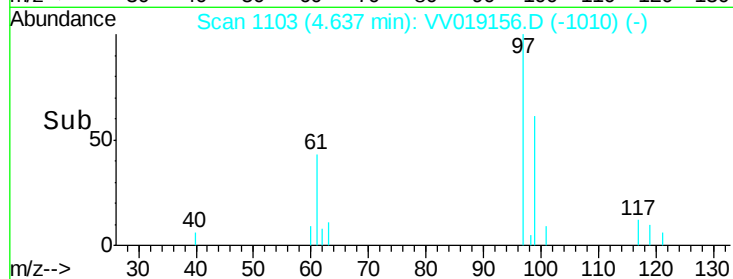
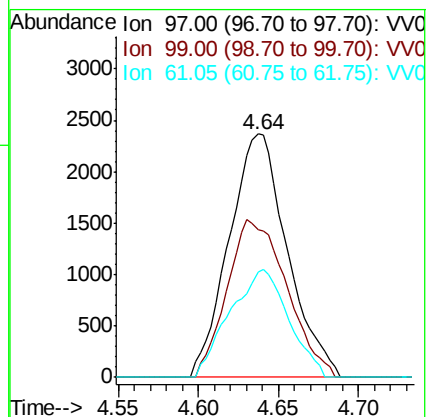
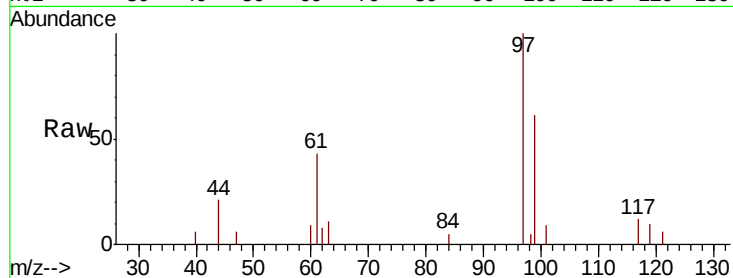
Tot Ion: 97 Resp: 5902

Ion Ratio Lower Upper

97 100

99 66.5 51.3 76.9

61 44.7 34.6 52.0



#31

Carbon tetrachloride

Concen: 1.963 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV019156.D

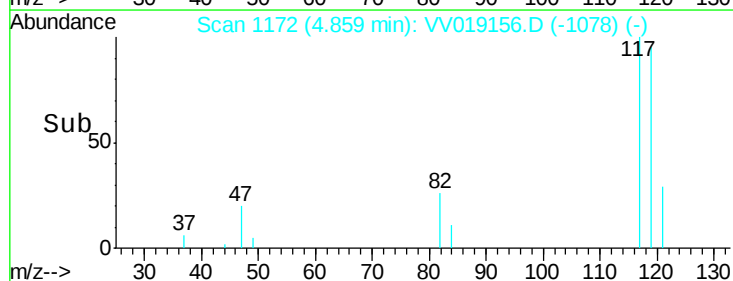
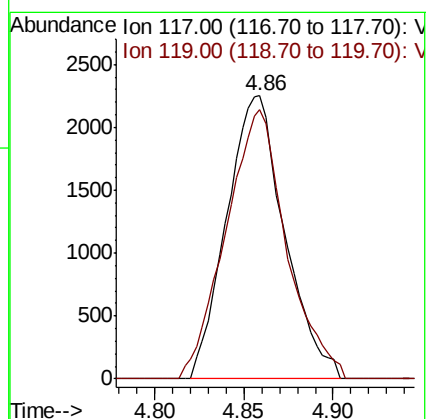
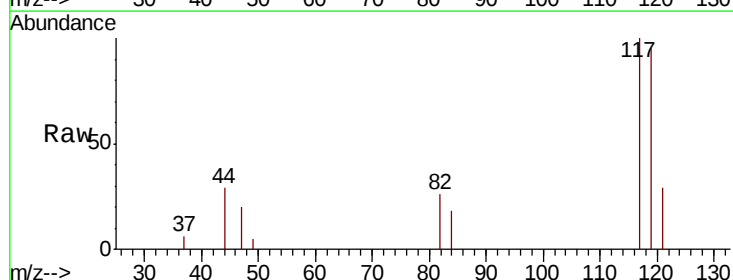
Acq: 29 Oct 2020 19:37

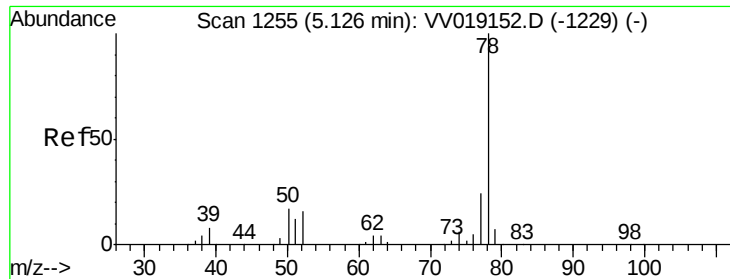
Tgt Ion: 117 Resp: 5108

Ion Ratio Lower Upper

117 100

119 99.1 77.2 115.8





#33

Benzene

Concen: 2.143 ug/L

RT: 5.13 min Scan# 1256

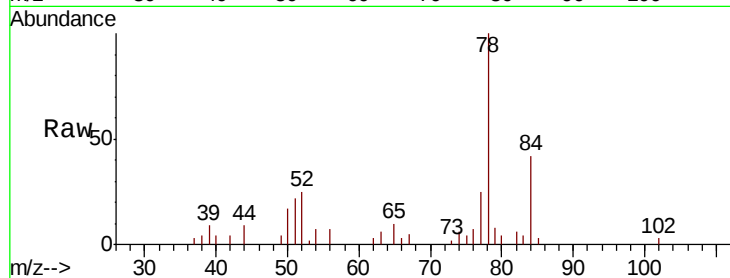
Delta R.T. 0.00 min

Lab File: VV019156.D

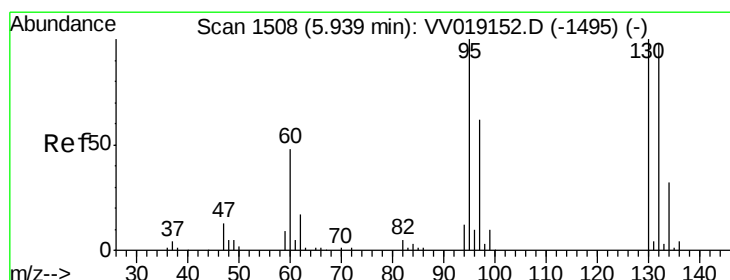
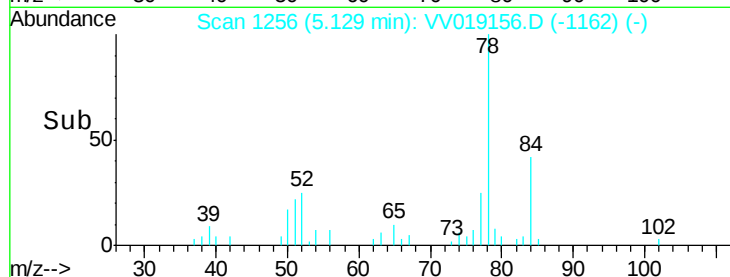
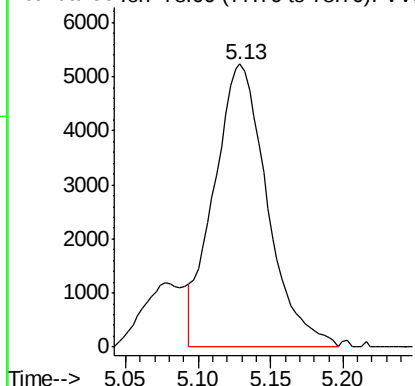
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 13375



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.095 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Tgt Ion: 95 Resp: 3582

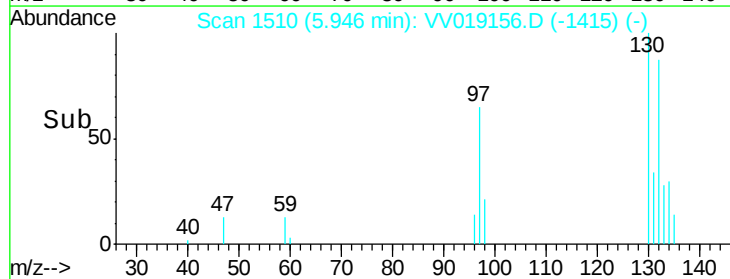
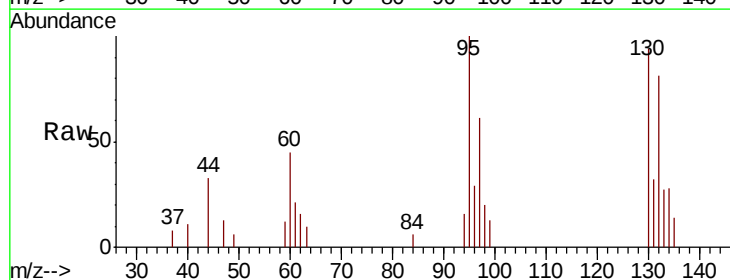
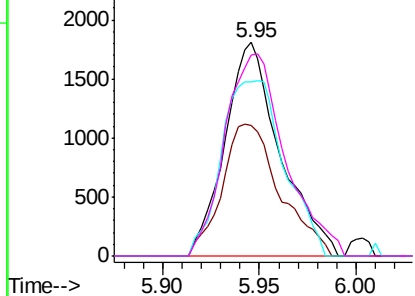
Ion	Ratio	Lower	Upper
95	100		
97	61.2	43.4	80.6
132	81.5	69.7	129.4
130	93.9	72.4	134.5

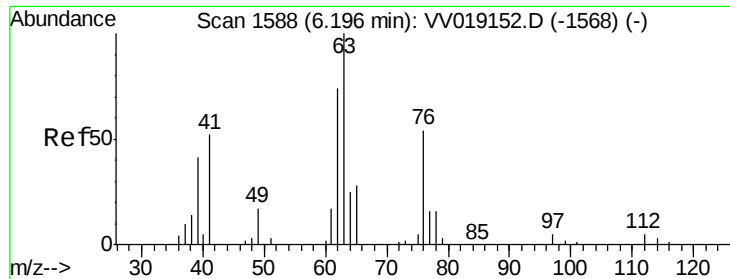
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#37

1,2-Dichloropropane

Concen: 2.261 ug/L

RT: 6.20 min Scan# 1590

Delta R.T. 0.01 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

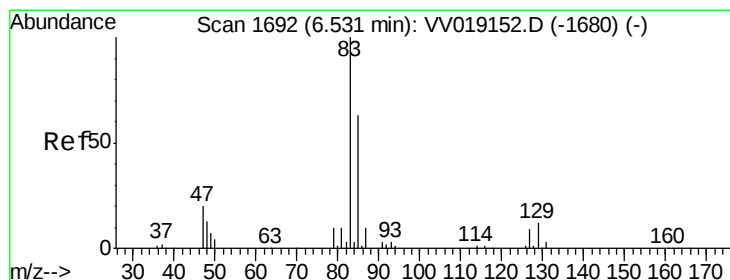
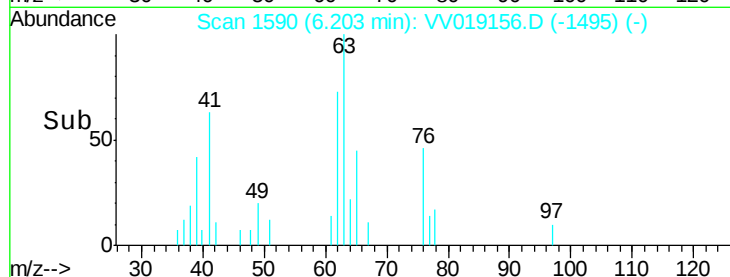
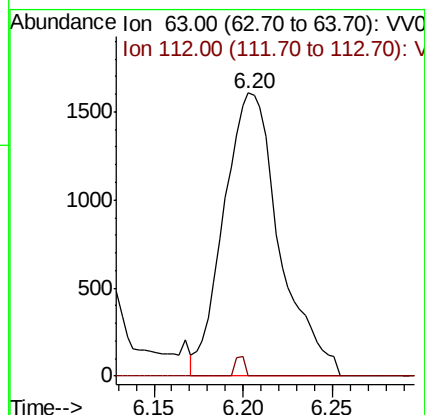
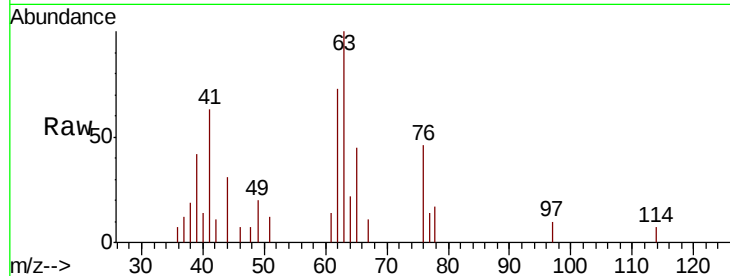
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 3506

Ion Ratio Lower Upper

63 100

112 1.2 3.8 5.8#



#38

Bromodichloromethane

Concen: 2.070 ug/L

RT: 6.54 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

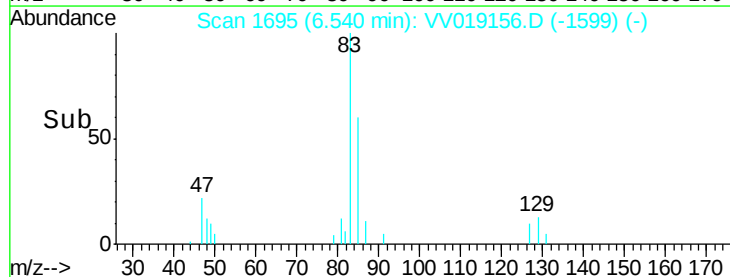
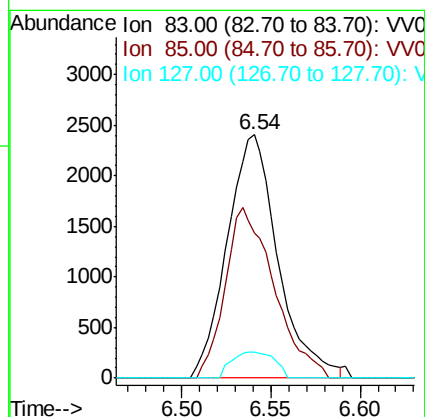
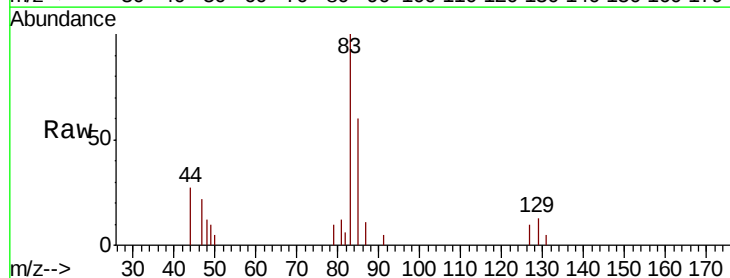
Tgt Ion: 83 Resp: 4775

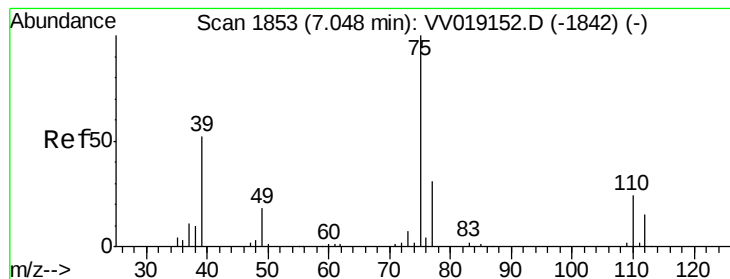
Ion Ratio Lower Upper

83 100

85 59.8 45.9 85.3

127 10.5 6.9 10.3#



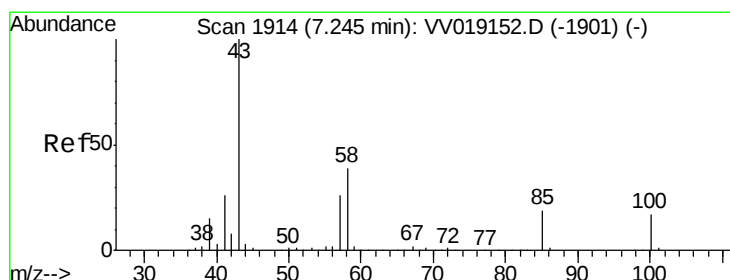
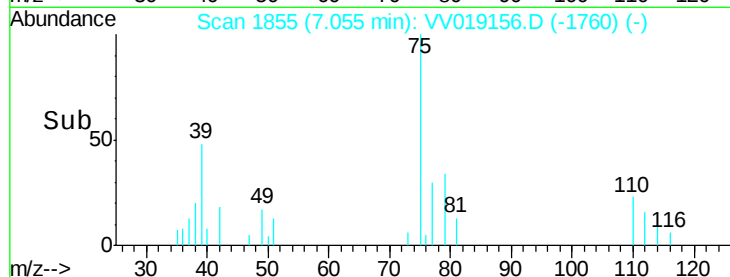
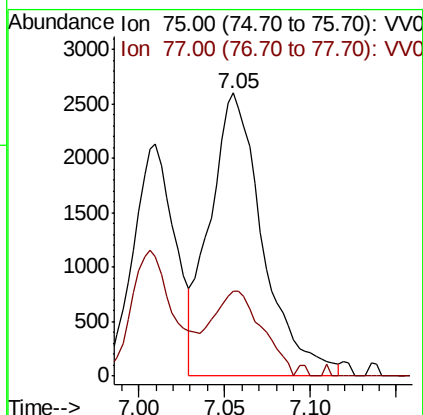
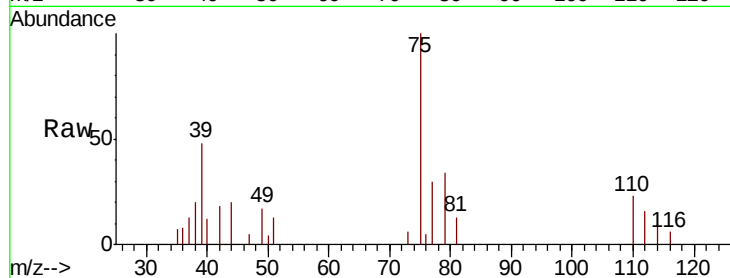


#39

cis-1,3-Dichloropropene
Concen: 2.178 ug/L
RT: 7.05 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampleId :

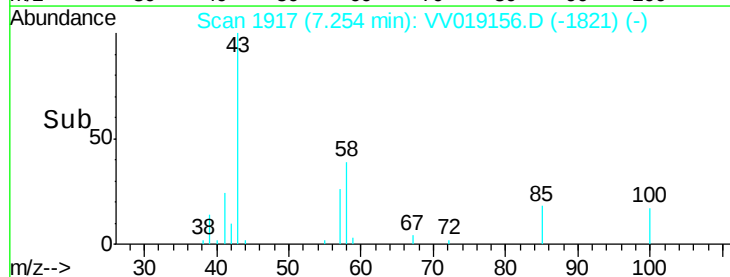
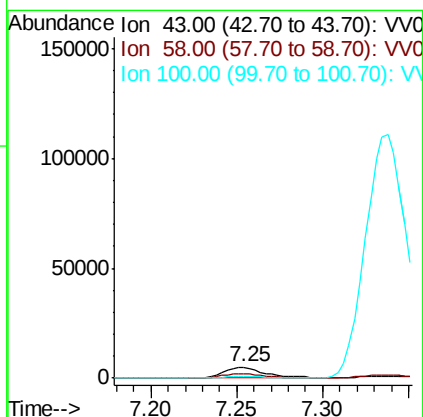
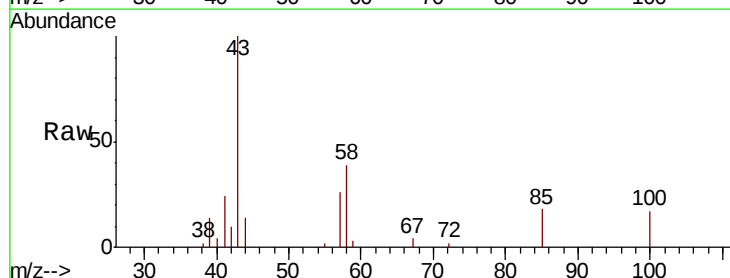
Tot Ion: 75 Resp: 5578
Ion Ratio Lower Upper
75 100
77 29.9 22.7 42.1

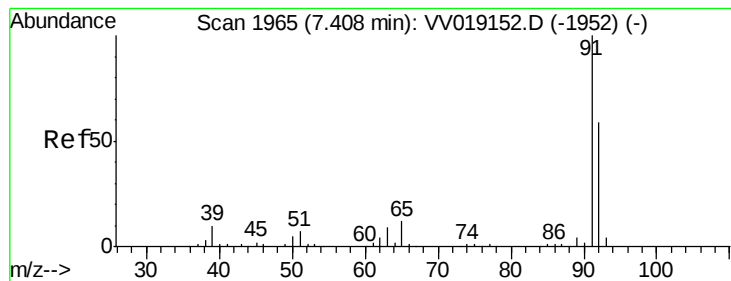


#40

4-Methyl-2-pentanone
Concen: 4.018 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion: 43 Resp: 8594
Ion Ratio Lower Upper
43 100
58 37.7 31.0 46.4
100 17.3 13.2 19.8





#42

Toluene

Concen: 2.715 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

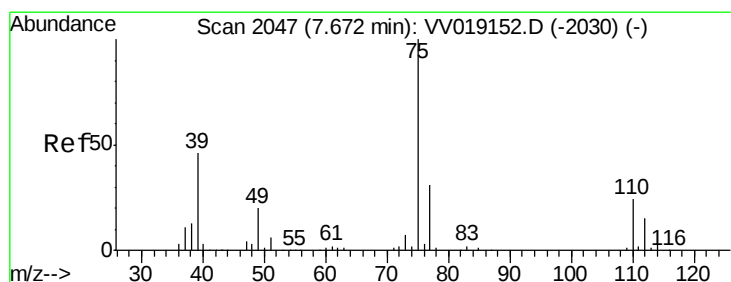
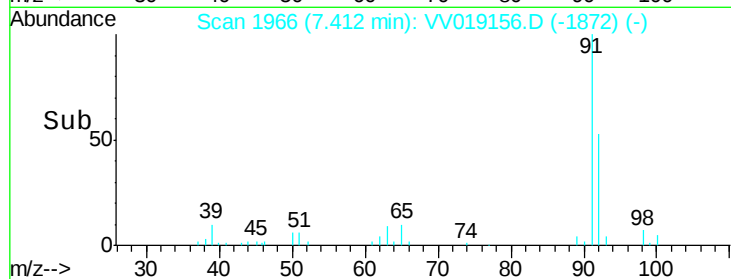
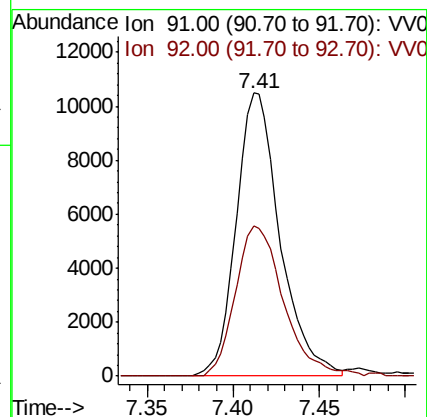
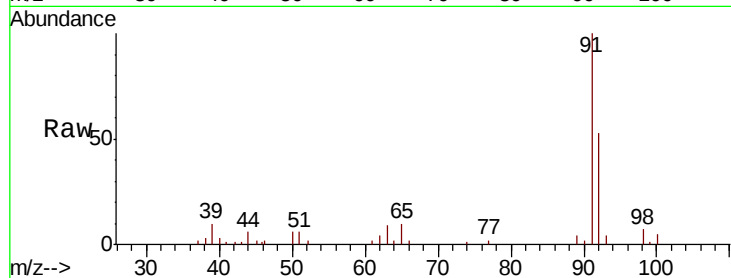
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 18577

Ion Ratio Lower Upper

91 100

92 53.2 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 2.077 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019156.D

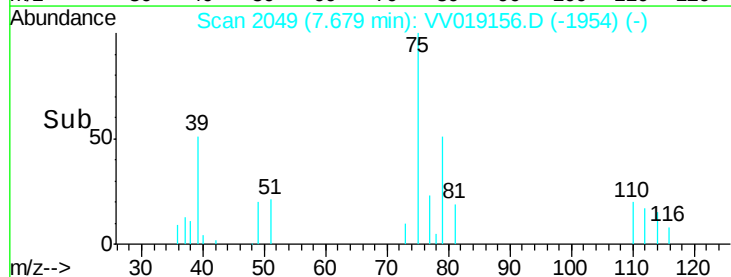
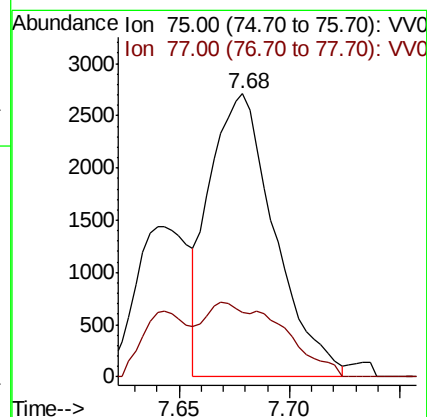
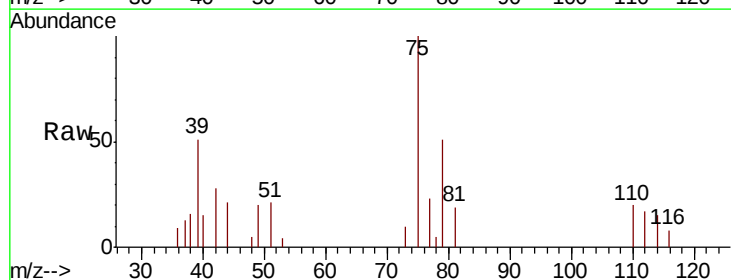
Acq: 29 Oct 2020 19:37

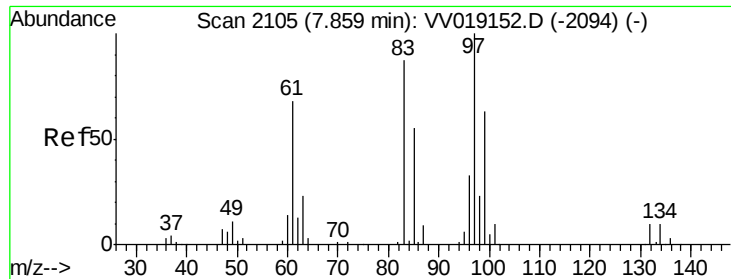
Tgt Ion: 75 Resp: 5533

Ion Ratio Lower Upper

75 100

77 22.7 21.8 40.4

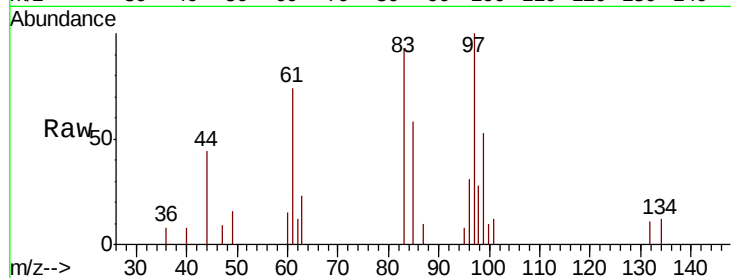




#45
1,1,2-Trichloroethane
Concen: 2.043 ug/L
RT: 7.87 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	3176
Ion	Ratio	Lower	Upper
97	100		
99	53.1	43.1	80.1
83	92.5	58.3	108.3
85	58.1	37.8	70.2



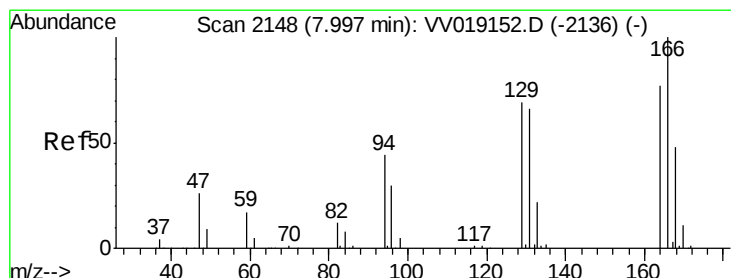
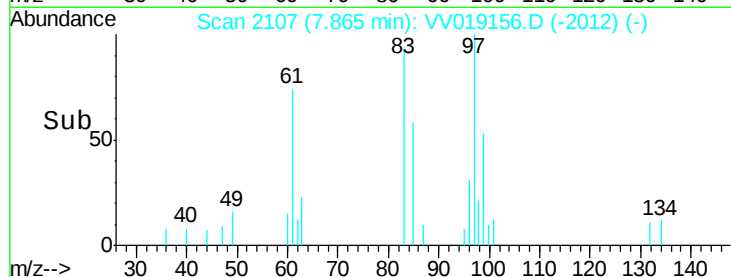
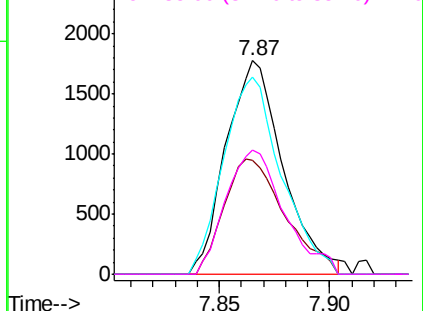
Abundance

Ion 97.00 (96.70 to 97.70): VV019156.D (-2094) (-)

Ion 99.00 (98.70 to 99.70): VV019156.D (-2094) (-)

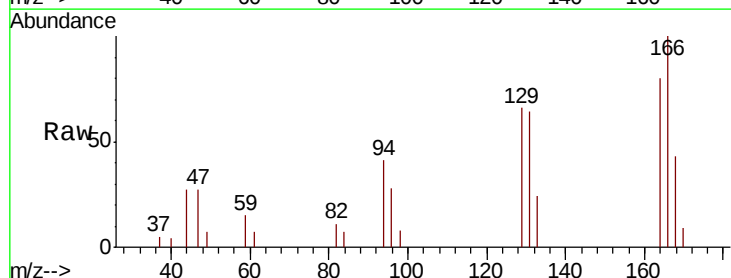
Ion 83.00 (82.70 to 83.70): VV019156.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV019156.D (-2094) (-)



#46
Tetrachloroethene
Concen: 2.132 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion:	164	Resp:	3113
Ion	Ratio	Lower	Upper
164	100		
129	82.2	63.2	117.4
131	79.6	60.3	112.1
166	124.8	88.3	163.9



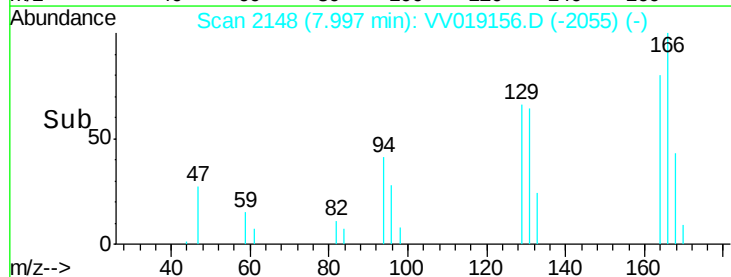
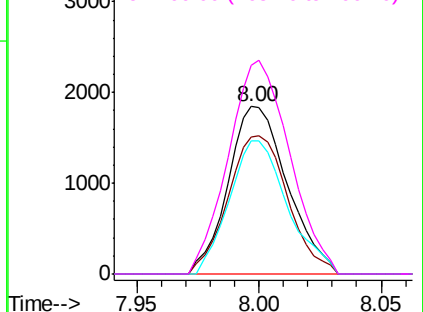
Abundance

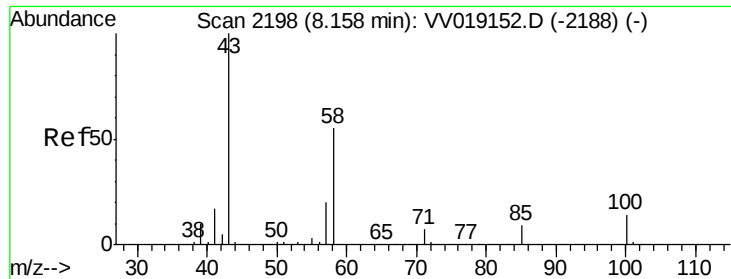
Ion 164.00 (163.70 to 164.70): VV019156.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV019156.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV019156.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV019156.D (-2136) (-)

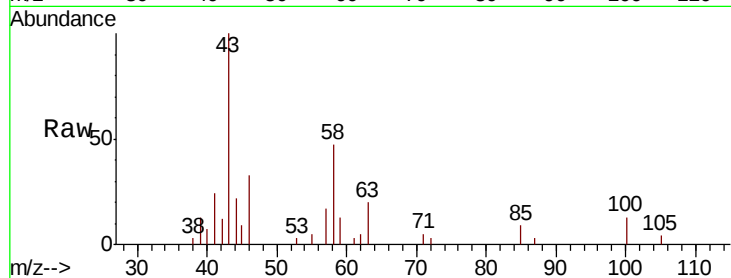




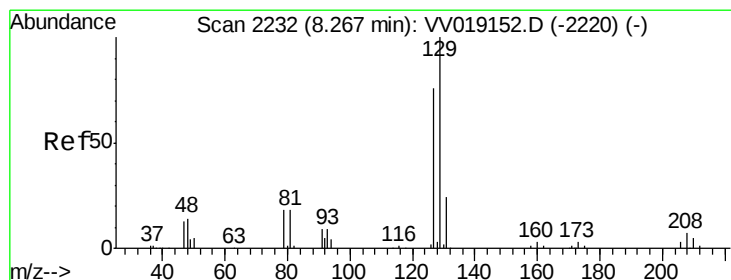
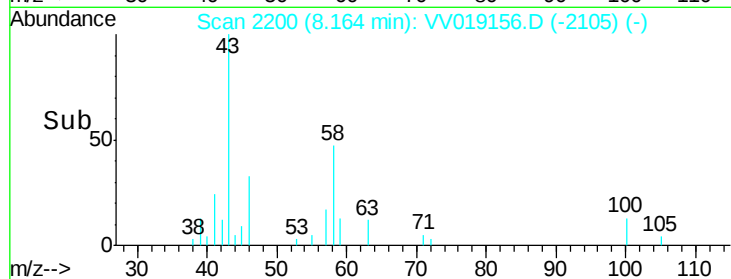
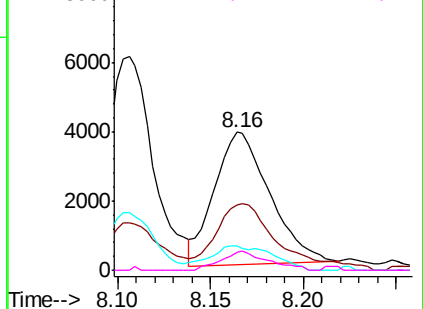
#48
2-Hexanone
Concen: 4.652 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 7908
Ion Ratio Lower Upper
43 100
58 57.2 43.6 65.4
57 7.9 16.0 24.0#
100 12.0 10.3 15.5

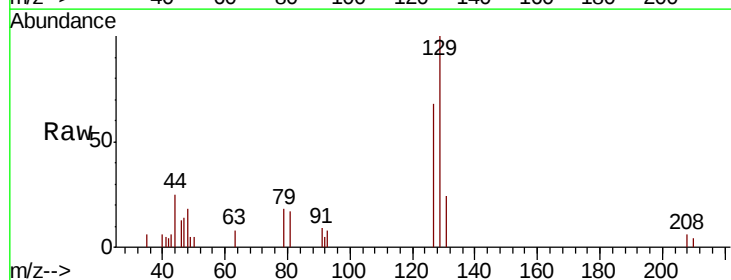


Abundance Ion 43.00 (42.70 to 43.70): VV019156.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV019156.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV019156.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV019156.D (-2188) (-)

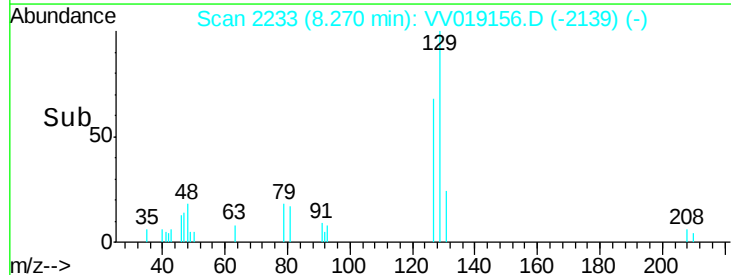
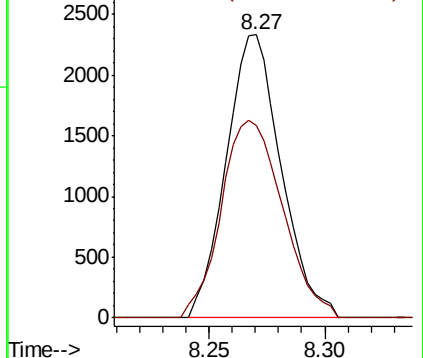


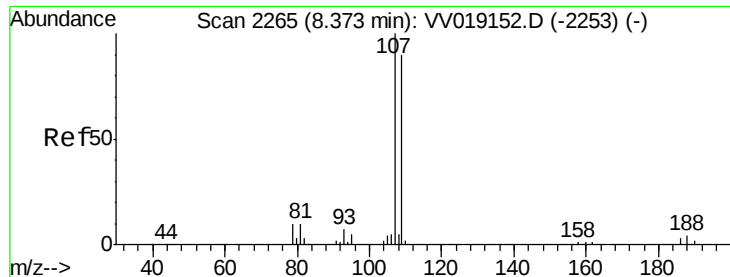
#49
Dibromochloromethane
Concen: 2.041 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion: 129 Resp: 3843
Ion Ratio Lower Upper
129 100
127 68.0 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV019156.D (-2220) (-)
Ion 127.00 (126.70 to 127.70): VV019156.D (-2220) (-)

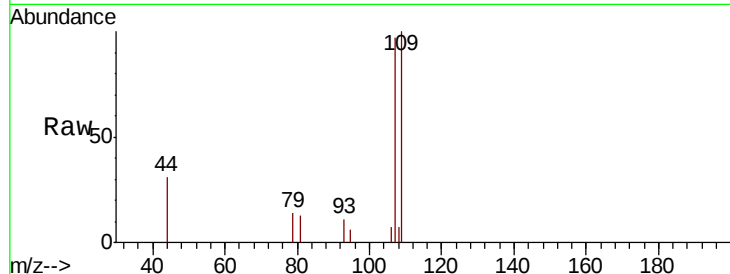




#50
1,2-Dibromoethane
Concen: 1.931 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	103.4	65.7	121.9
188	0.0	3.4	5.2#

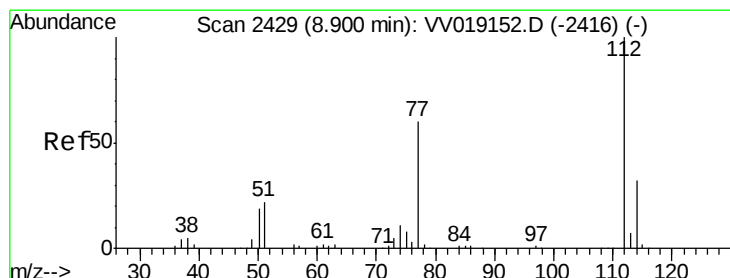
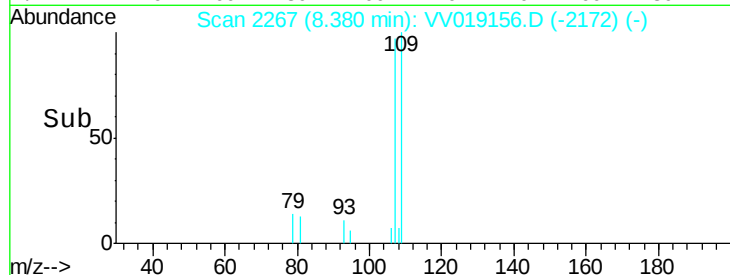
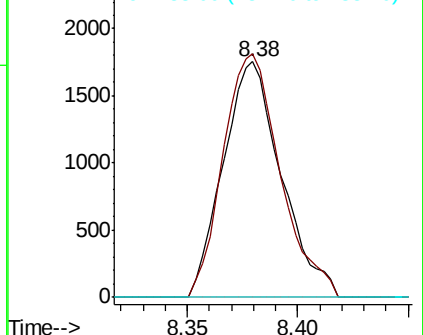


Abundance

Ion 107.00 (106.70 to 107.70): V

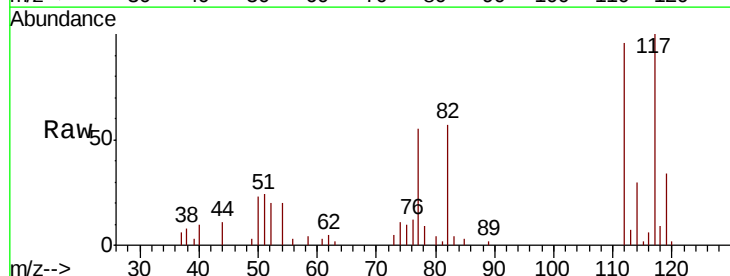
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 2.092 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.3	41.5
77	57.2	46.7	70.1

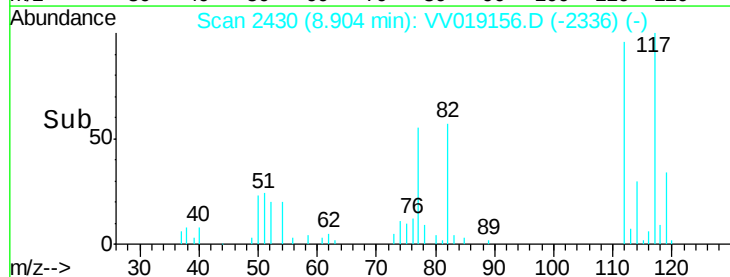
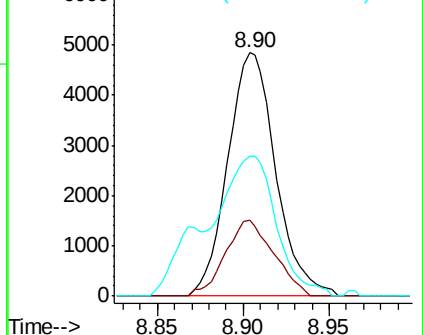


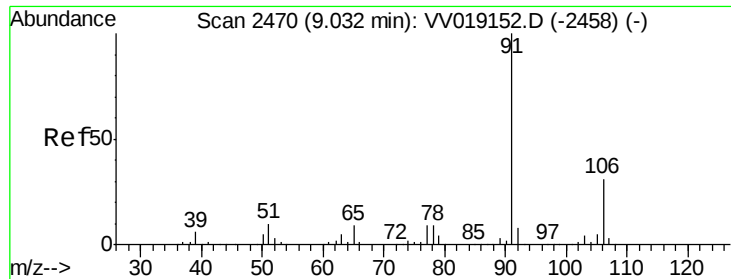
Abundance

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): VV0





#52

Ethylbenzene

Concen: 1.901 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

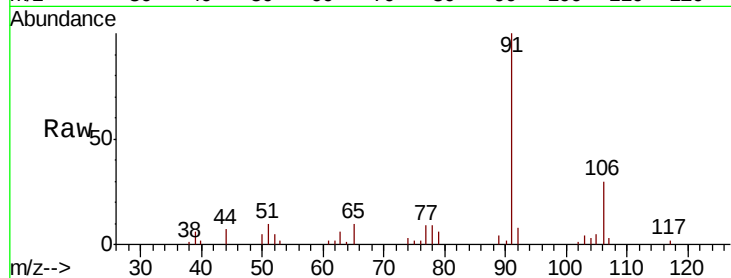
ClientSampleId :

Tot Ion: 91 Resp: 14335

Ion Ratio Lower Upper

91 100

106 29.7 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019156.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019156.D (-2377) (-)

9.04

8000

6000

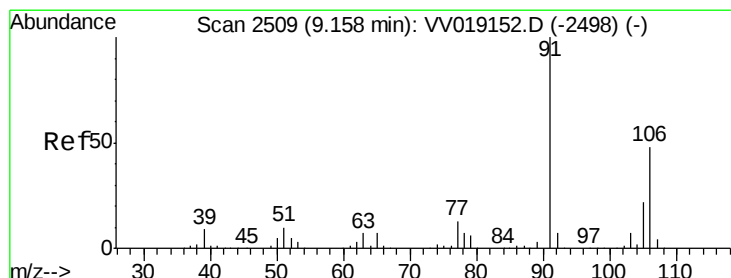
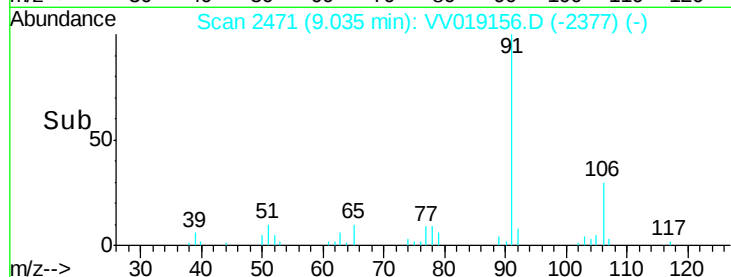
4000

2000

0

Time-->

9.00 9.05 9.10



#53

m,p-Xylene

Concen: 1.913 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019156.D

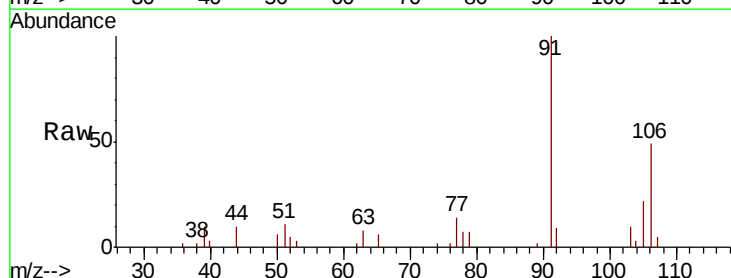
Acq: 29 Oct 2020 19:37

Tgt Ion: 106 Resp: 5449

Ion Ratio Lower Upper

106 100

91 204.0 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV019156.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019156.D (-2416) (-)

9.16

6000

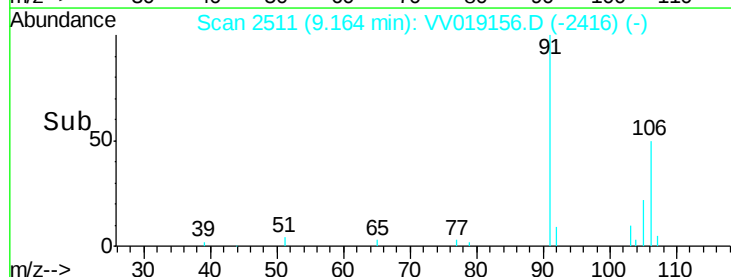
4000

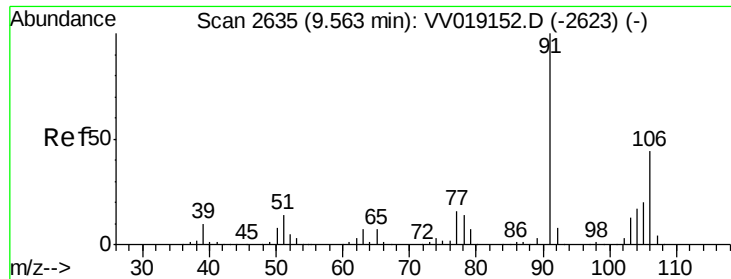
2000

0

Time-->

9.15 9.20

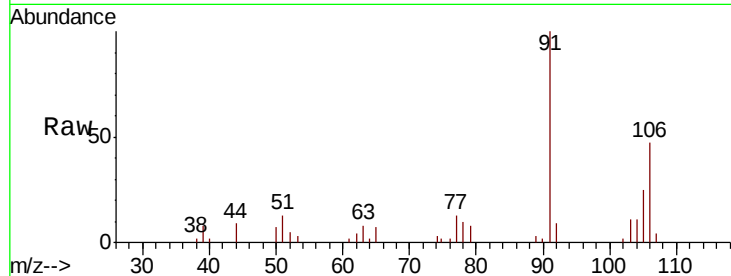




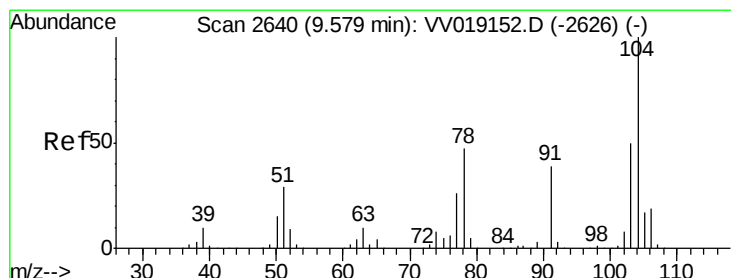
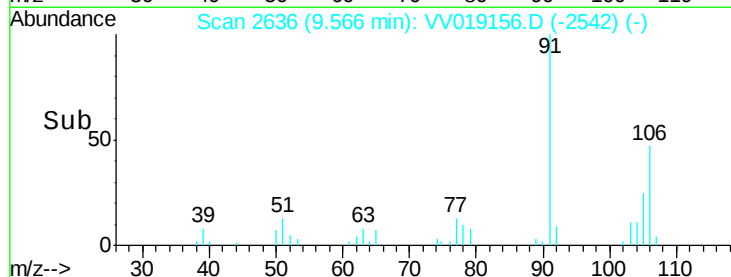
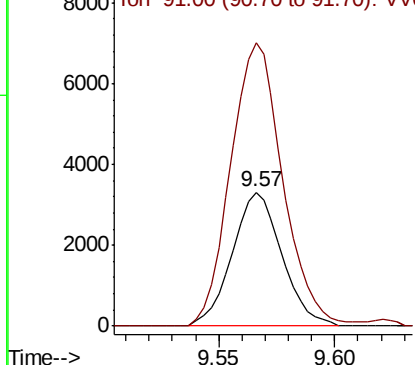
#54
o-xylene
Concen: 1.802 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 4928
Ion Ratio Lower Upper
106 100
91 211.4 153.4 285.0

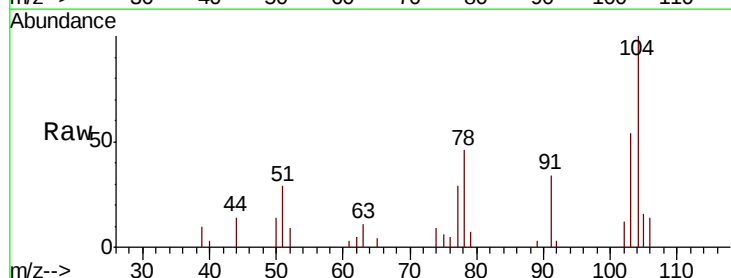


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

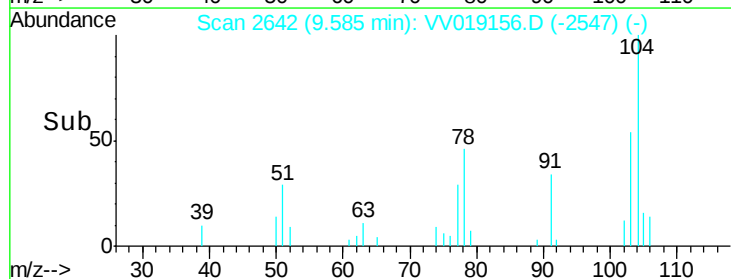
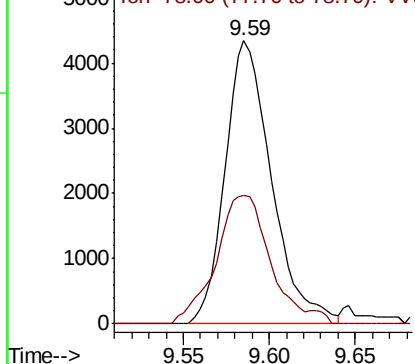


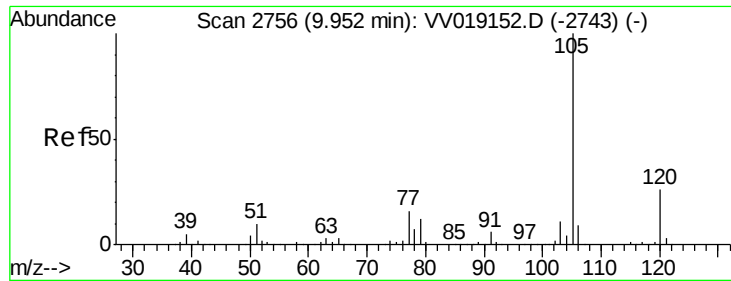
#55
Styrene
Concen: 1.691 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV019156.D
Acq: 29 Oct 2020 19:37

Tgt Ion:104 Resp: 8194
Ion Ratio Lower Upper
104 100
78 45.6 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.708 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampleId :

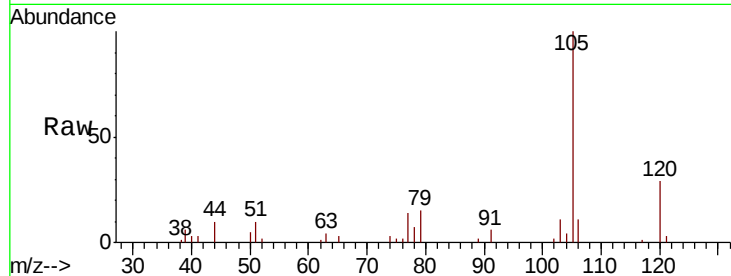
Tot Ion:105 Resp: 12554

Ion Ratio Lower Upper

105 100

120 26.9 21.3 31.9

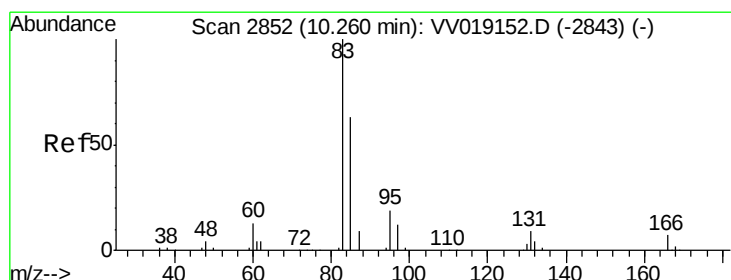
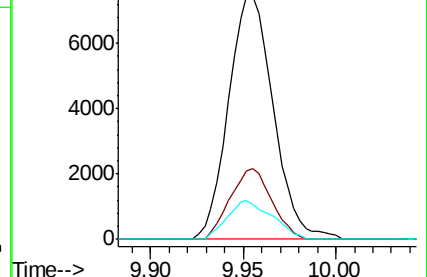
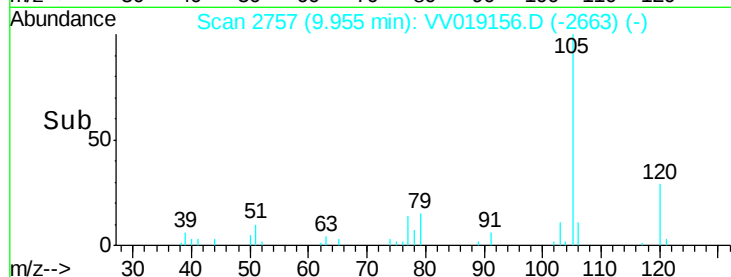
77 15.9 13.0 19.4



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: 2.307 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

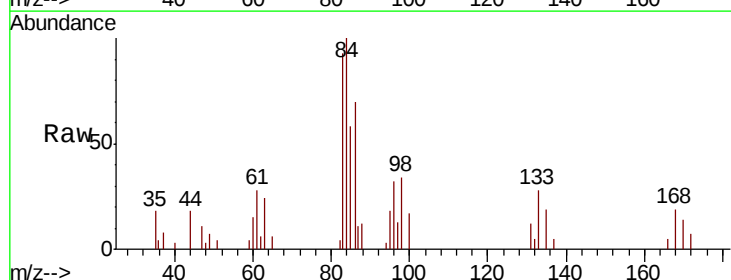
Tgt Ion: 83 Resp: 5463

Ion Ratio Lower Upper

83 100

85 62.5 45.8 85.0

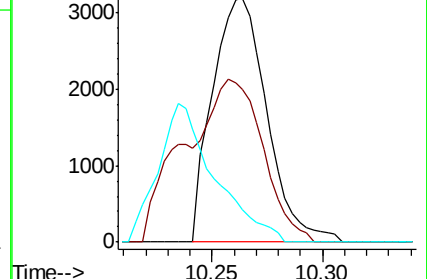
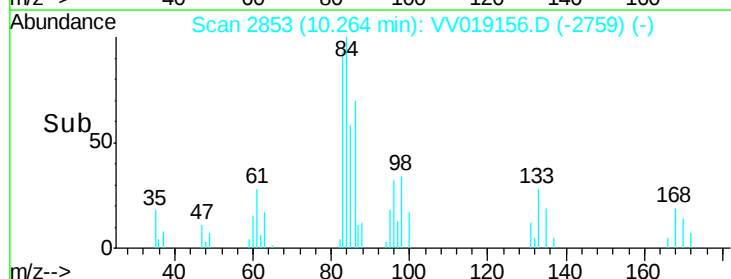
131 13.1 8.9 13.3

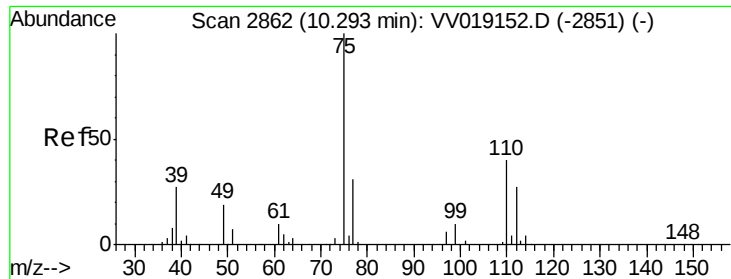


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.244 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

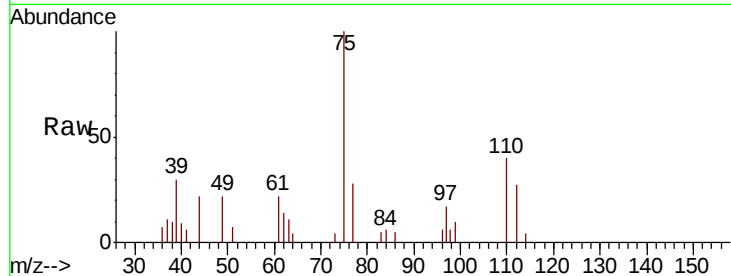
ClientSampleId :

Tot Ion: 75 Resp: 4547

Ion Ratio Lower Upper

75 100

77 30.5 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV019152.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV019152.D (-2851) (-)

10.30

3000

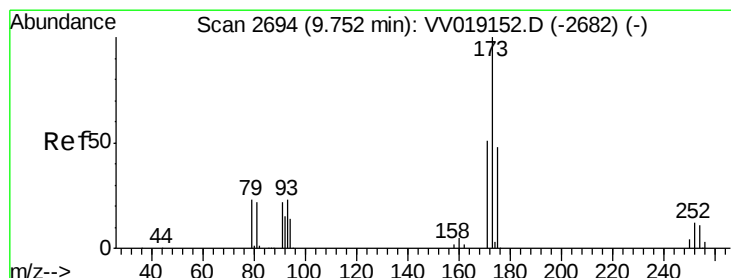
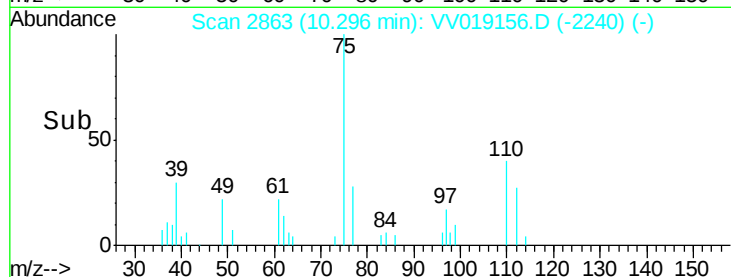
2000

1000

0

10.25 10.30

Time-->



#61

Bromoform

Concen: 2.184 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

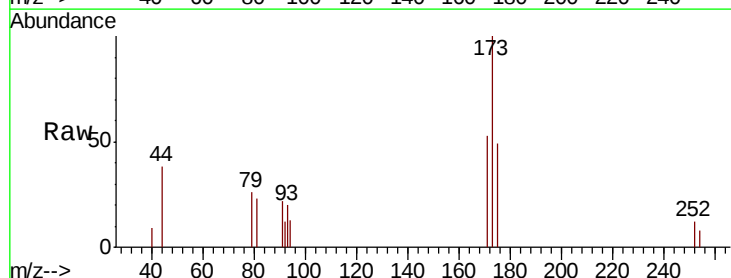
Tgt Ion: 173 Resp: 3005

Ion Ratio Lower Upper

173 100

175 45.1 39.8 59.6

254 8.0 9.7 14.5#



Abundance Ion 173.00 (172.70 to 173.70): VV019152.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019152.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019152.D (-2682) (-)

9.75

2000

1500

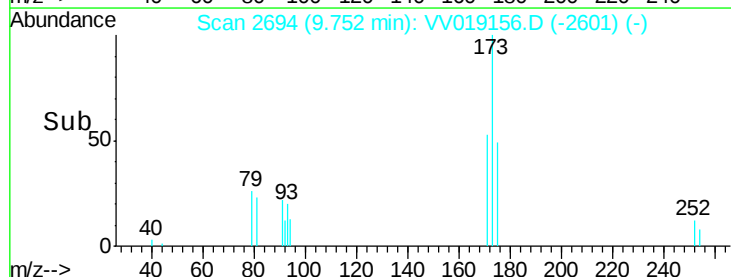
1000

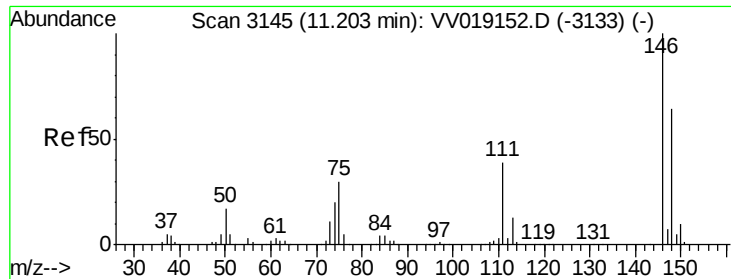
500

0

9.70 9.75 9.80

Time-->

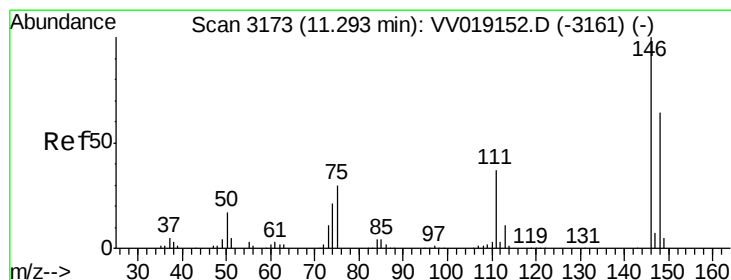
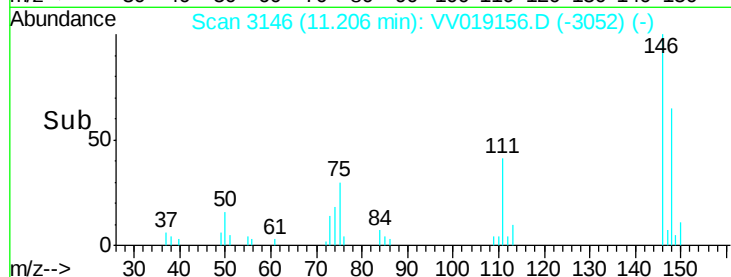
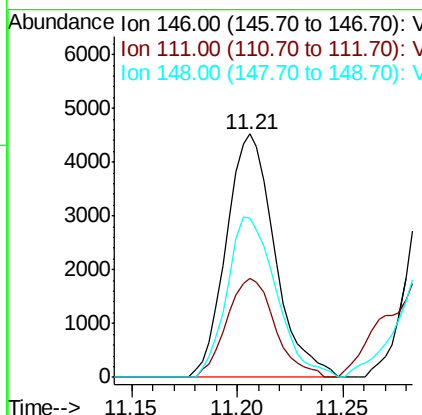
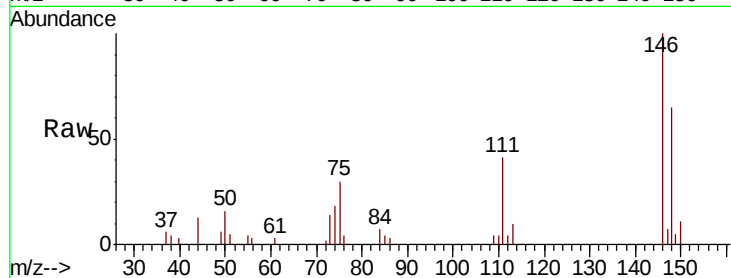




#62
 1,3-Dichlorobenzene
 Concen: 2.051 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

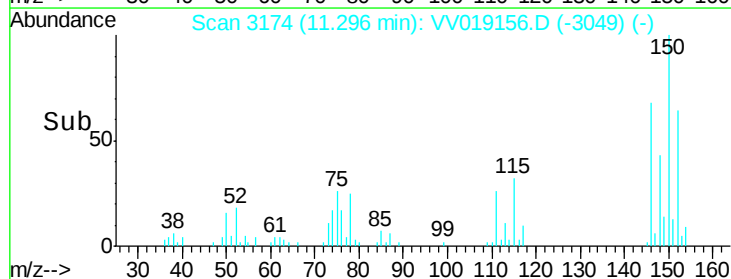
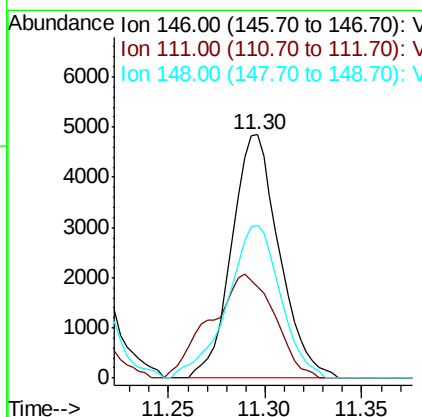
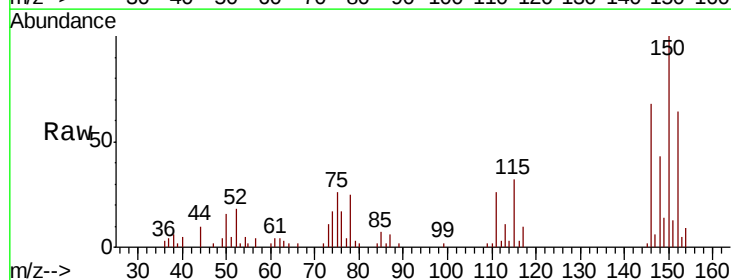
Instrument :
 MSVOA_V
 ClientSampleId :

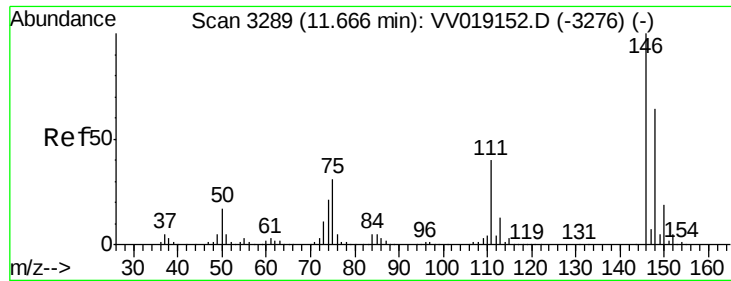
Tot Ion:146 Resp: 7215
 Ion Ratio Lower Upper
 146 100
 111 40.7 27.1 50.3
 148 65.4 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 2.258 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Tgt Ion:146 Resp: 8254
 Ion Ratio Lower Upper
 146 100
 111 37.7 25.8 48.0
 148 62.9 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 2.250 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampled :

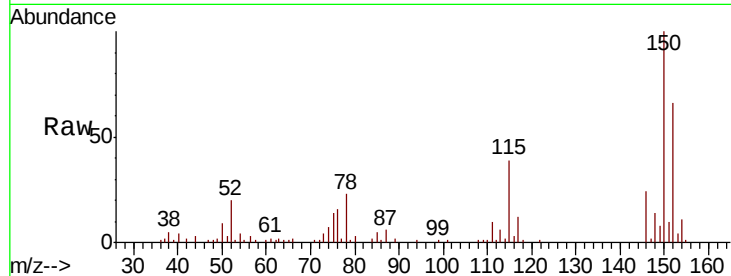
Tot Ion:146 Resp: 7842

Ion Ratio Lower Upper

146 100

111 41.2 32.2 48.4

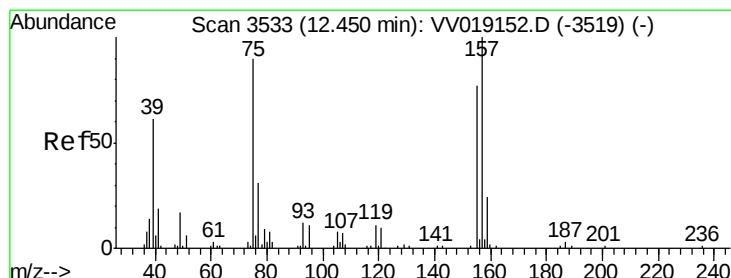
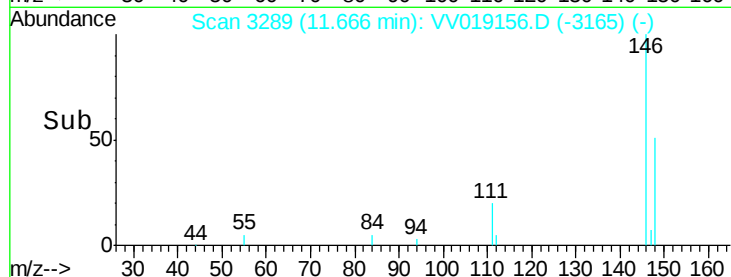
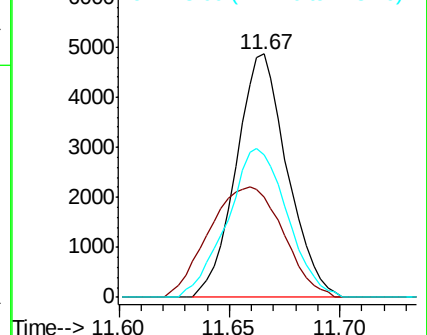
148 58.6 50.8 76.2



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: 1.833 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. 0.01 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

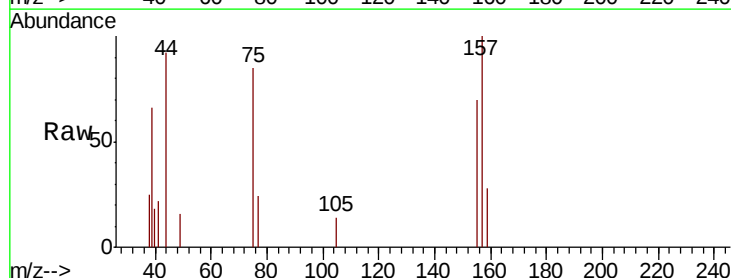
Tgt Ion: 75 Resp: 1093

Ion Ratio Lower Upper

75 100

155 82.3 71.1 106.7

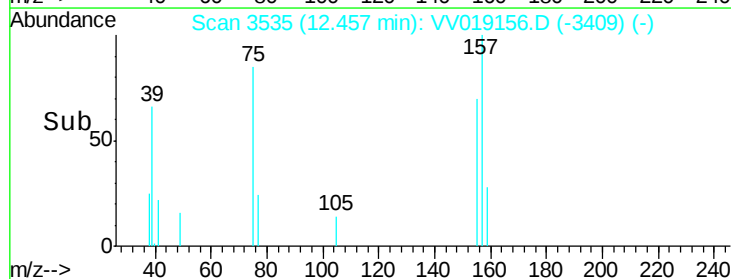
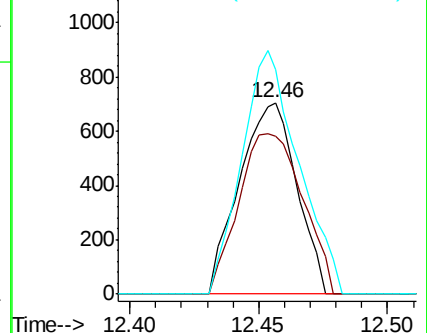
157 117.6 90.5 135.7

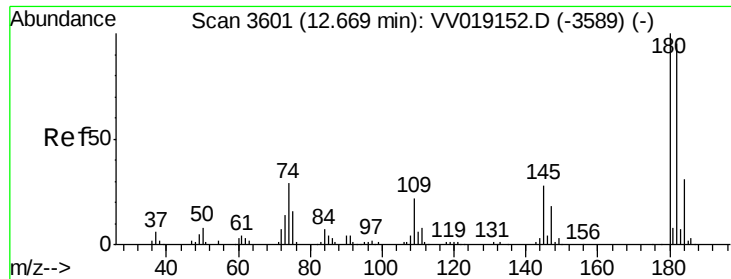


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

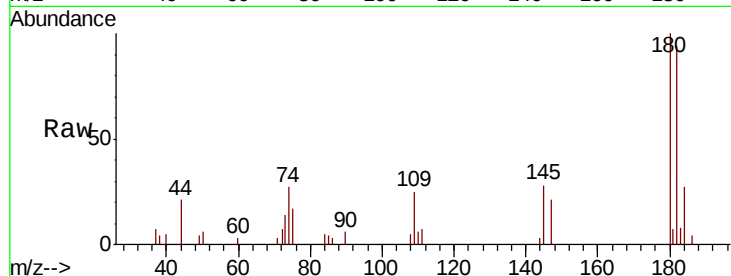




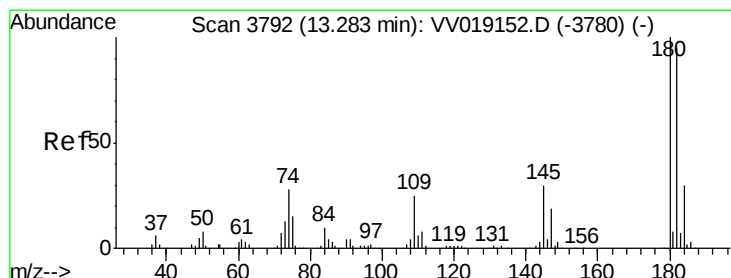
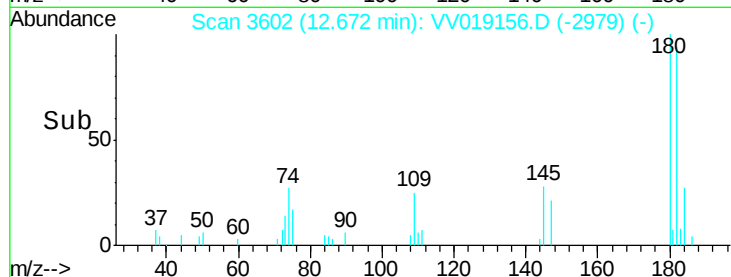
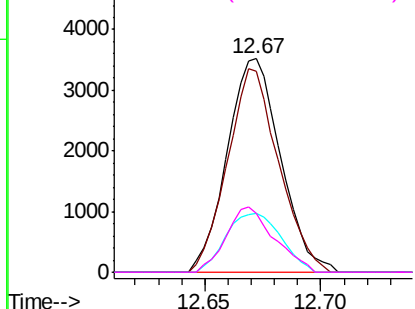
#67
 1,3,5-Trichlorobenzene
 Concen: 2.173 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 5627
 Ion Ratio Lower Upper
 180 100
 182 91.4 76.1 114.1
 184 28.5 24.5 36.7
 145 27.6 22.7 34.1

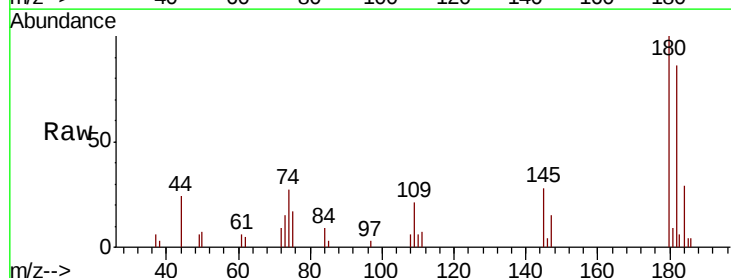


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

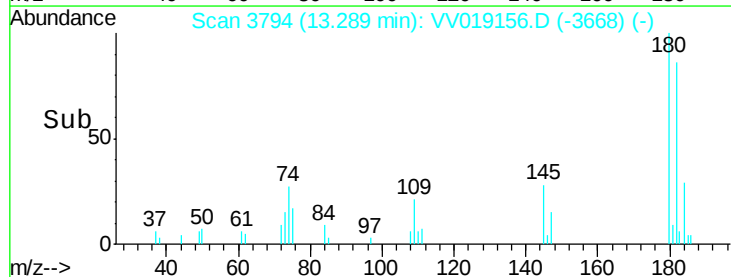
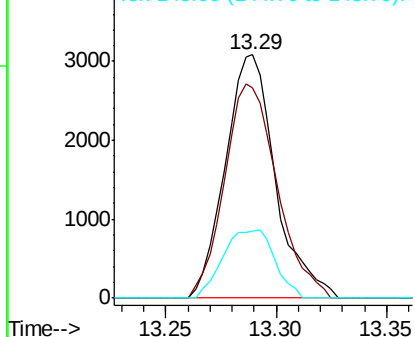


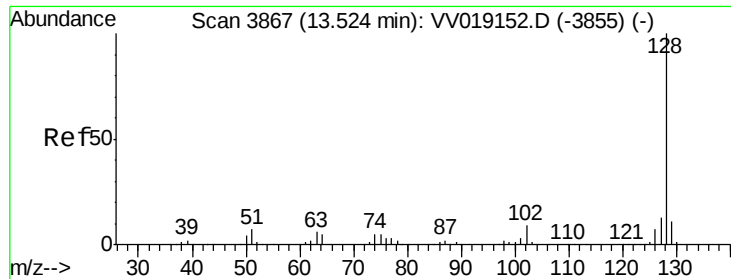
#68
 1,2,4-trichlorobenzene
 Concen: 2.011 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019156.D
 Acq: 29 Oct 2020 19:37

Tgt Ion:180 Resp: 4878
 Ion Ratio Lower Upper
 180 100
 182 91.8 75.8 113.6
 145 28.8 22.6 34.0



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: 1.669 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

Instrument :

MSVOA_V

ClientSampleId :

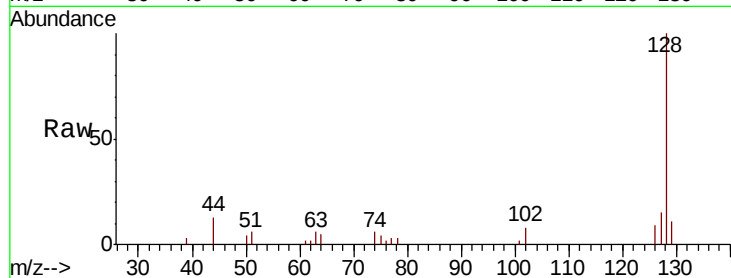
Tot Ion:128 Resp: 11345

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

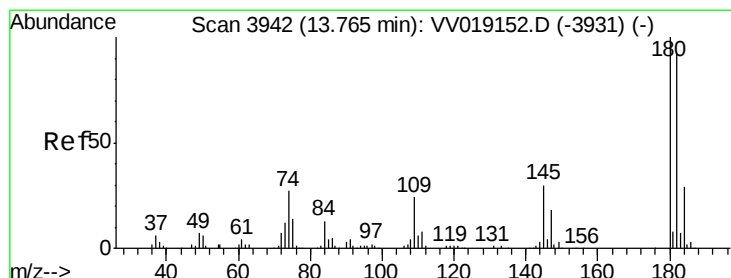
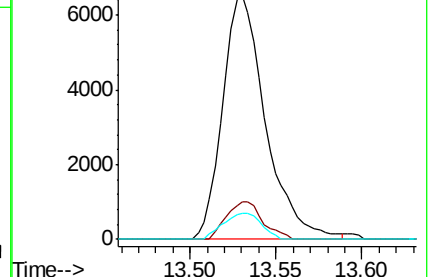
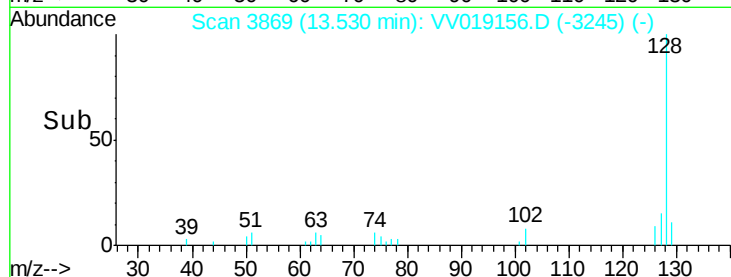
129 9.5 8.6 13.0



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: 1.871 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019156.D

Acq: 29 Oct 2020 19:37

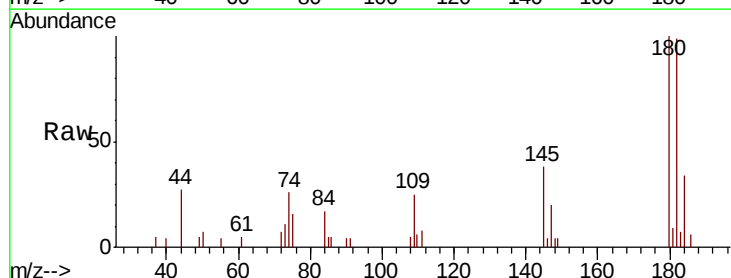
Tgt Ion:180 Resp: 4442

Ion Ratio Lower Upper

180 100

182 96.7 76.2 114.4

145 35.8 25.1 37.7



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

