

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019161.D
 Acq On : 29 Oct 2020 21:59
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0uL/5.0ml/100uL/5.0ml/MSVOA-V/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 30 06:28:15 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	228995	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	223519	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	113820	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85367	46.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.82%
7) Chloroethane-d5	1.58	69	68757	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.28%
11) 1,1-Dichloroethene-d2	2.12	63	130251	37.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.24%
21) 2-Butanone-d5	3.91	46	112278	100.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.73%
24) Chloroform-d	4.38	84	163784	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
26) 1,2-Dichloroethane-d4	5.06	65	120988	51.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.58%
32) Benzene-d6	5.07	84	318087	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.34%
36) 1,2-Dichloropropane-d6	6.09	67	95370	50.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.90%
41) Toluene-d8	7.34	98	293034	48.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.22%
43) trans-1,3-Dichloropropene-	7.64	79	51506	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.16%
47) 2-Hexanone-d5	8.11	63	81673	99.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.75%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	123830	48.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	122483	51.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4699	2.337 ug/L	98
3) Chloromethane	1.25	50	4454	2.439 ug/L	98
5) Vinyl chloride	1.32	62	5212	2.788 ug/L #	71
6) Bromomethane	1.53	94	2986	2.385 ug/L	88
8) Chloroethane	1.60	64	3011	2.590 ug/L	91
9) Trichlorofluoromethane	1.77	101	7102	2.279 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4635	3.091 ug/L #	76
12) 1,1-Dichloroethene	2.13	96	4434	3.019 ug/L #	1
13) Acetone	2.20	43	3956	3.820 ug/L	95
14) Carbon disulfide	2.31	76	11042	2.366 ug/L	98
15) Methyl Acetate	2.46	43	4024	2.411 ug/L #	89
16) Methylene chloride	2.53	84	4591	2.753 ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	4013	2.544 ug/L	86
18) Methyl tert-butyl Ether	2.78	73	12031	2.278 ug/L	99
19) 1,1-Dichloroethane	3.22	63	6970	2.372 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	3794	2.192 ug/L	87
23) Bromochloromethane	4.29	128	2159	2.324 ug/L	88

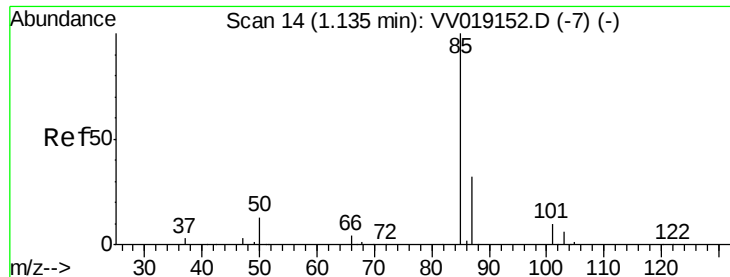
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
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 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	8800	2.771	ug/L	96
27) 1,2-Dichloroethane	5.17	62	6703	2.479	ug/L	98
29) Cyclohexane	4.70	56	5177	2.075	ug/L #	87
30) 1,1,1-Trichloroethane	4.63	97	7023	2.319	ug/L	98
31) Carbon tetrachloride	4.86	117	6287	2.341	ug/L	98
33) Benzene	5.13	78	15520	2.408	ug/L	100
34) Trichloroethene	5.94	95	4192	2.374	ug/L	91
35) Methylcyclohexane	6.15	83	4243	1.780	ug/L #	81
37) 1,2-Dichloropropane	6.20	63	3764	2.352	ug/L #	89
38) Bromodichloromethane	6.54	83	5516	2.317	ug/L	95
39) cis-1,3-Dichloropropene	7.06	75	6573	2.486	ug/L	89
40) 4-Methyl-2-pentanone	7.25	43	9463	4.286	ug/L	97
42) Toluene	7.41	91	20390	2.886	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	5264	1.914	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	3888	2.422	ug/L	94
46) Tetrachloroethene	8.00	164	3503	2.324	ug/L	95
48) 2-Hexanone	8.17	43	9587	5.463	ug/L #	86
49) Dibromochloromethane	8.27	129	4227	2.175	ug/L	98
50) 1,2-Dibromoethane	8.38	107	3900	2.277	ug/L #	99
51) Chlorobenzene	8.90	112	11080	2.392	ug/L	97
52) Ethylbenzene	9.04	91	16959	2.178	ug/L	98
53) m,p-Xylene	9.16	106	6330	2.153	ug/L	97
54) o-xylene	9.57	106	5937	2.103	ug/L	93
55) Styrene	9.59	104	9296	1.858	ug/L	97
56) Isopropylbenzene	9.95	105	14907	1.965	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	5847	2.392	ug/L #	96
59) 1,2,3-Trichloropropane	10.30	75	4933	2.358	ug/L	97
61) Bromoform	9.76	173	3000	2.137	ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	8222	2.290	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	9365	2.510	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	9145	2.571	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	1314	2.159	ug/L	87
67) 1,3,5-Trichlorobenzene	12.67	180	5996	2.269	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	5204	2.102	ug/L	96
69) Naphthalene	13.53	128	11666	1.682	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	5089	2.100	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 2.337 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

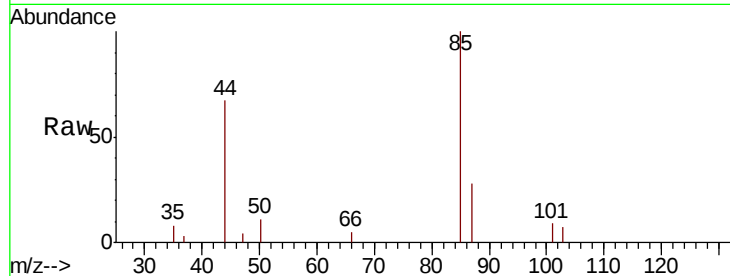
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 4699

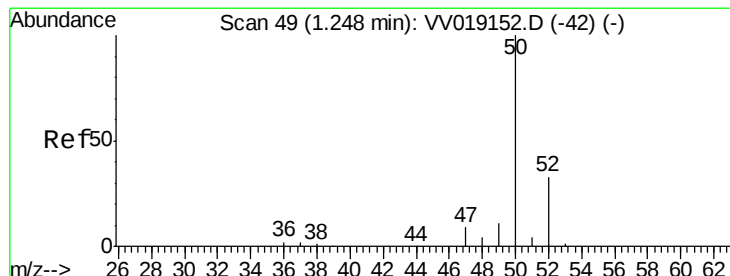
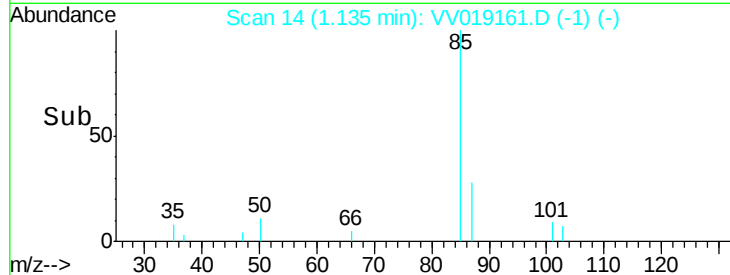
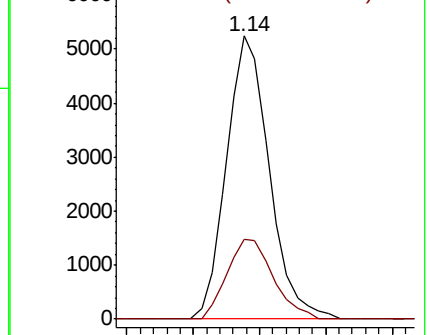
Ion Ratio Lower Upper

85 100

87 30.4 25.3 37.9



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



#3

Chloromethane

Concen: 2.439 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019161.D

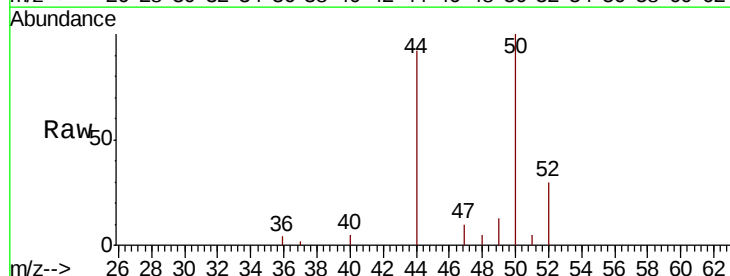
Acq: 29 Oct 2020 21:59

Tgt Ion: 50 Resp: 4454

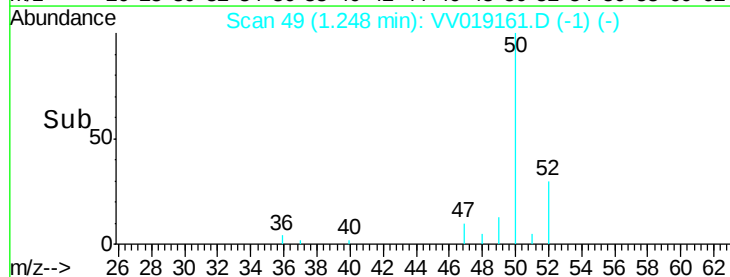
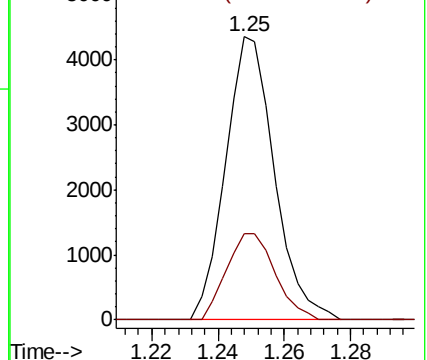
Ion Ratio Lower Upper

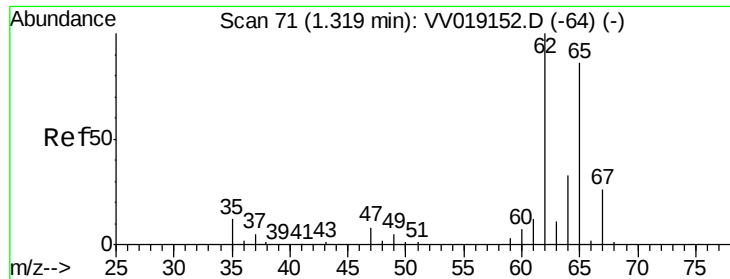
50 100

52 30.4 22.1 41.1



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





#5

Vinyl chloride

Concen: 2.788 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

Instrument :

MSVOA_V

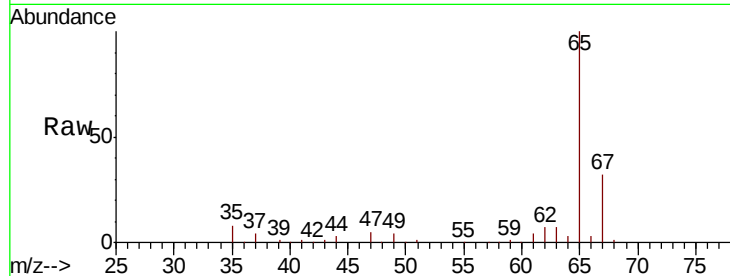
ClientSampled :

Tot Ion: 62 Resp: 5212

Ion Ratio Lower Upper

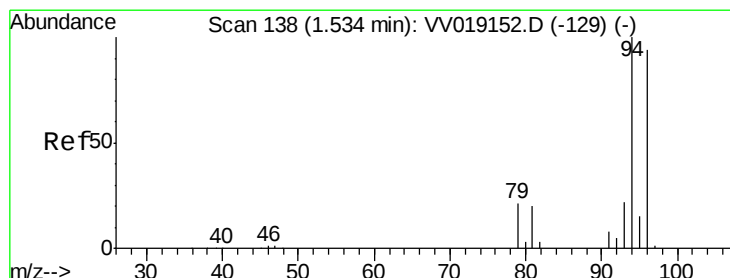
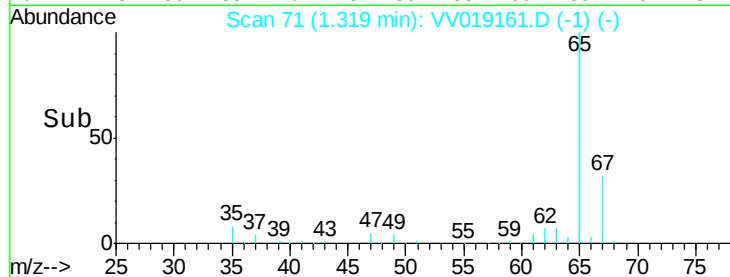
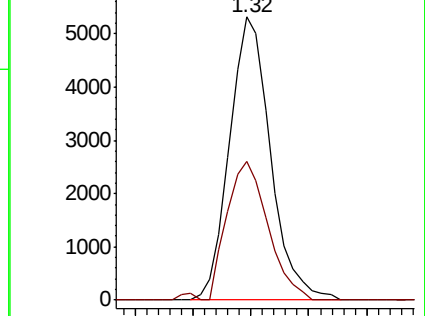
62 100

64 48.9 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.385 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019161.D

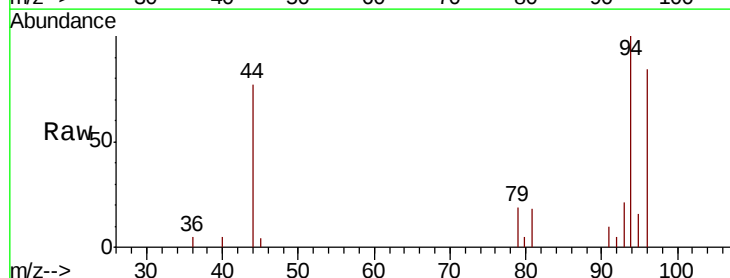
Acq: 29 Oct 2020 21:59

Tgt Ion: 94 Resp: 2986

Ion Ratio Lower Upper

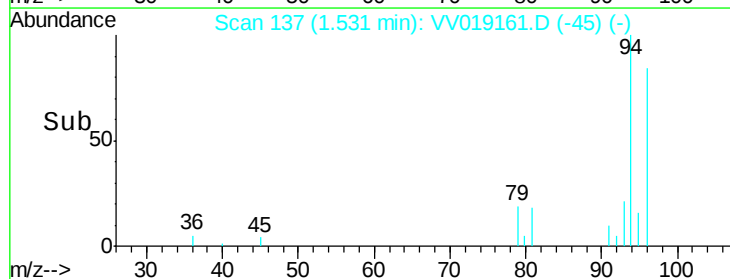
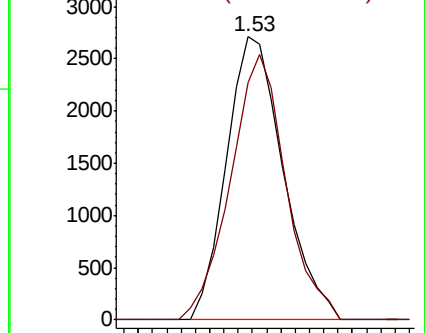
94 100

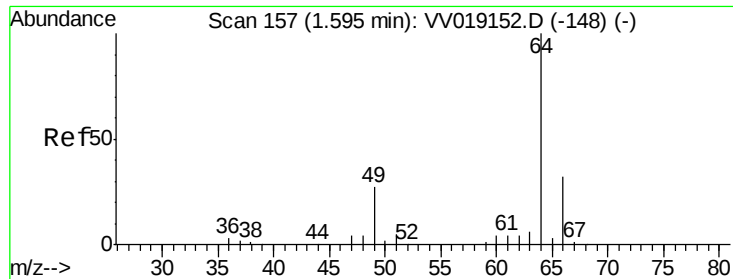
96 83.8 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.590 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

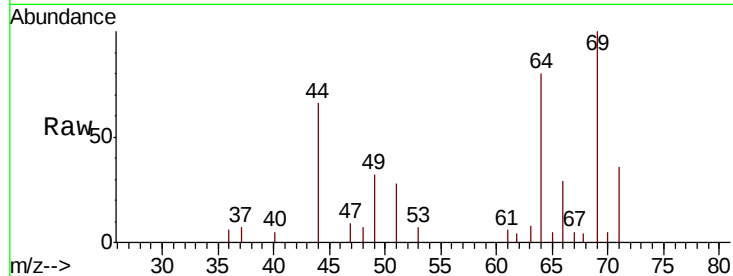
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 3011

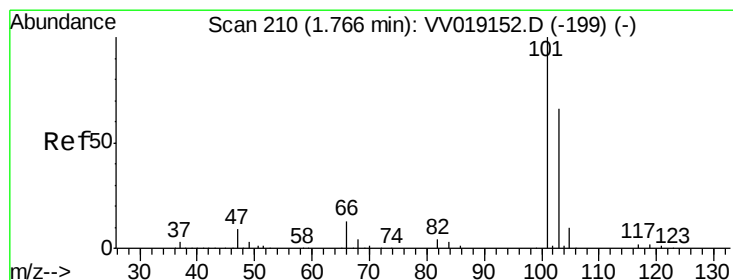
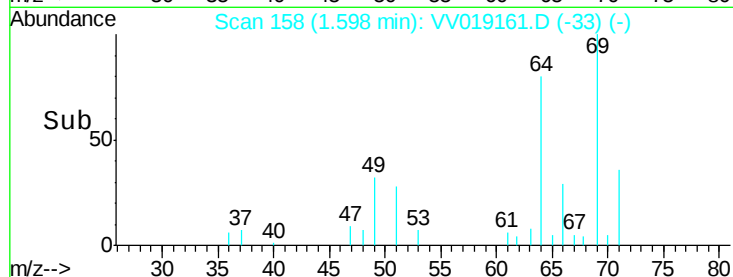
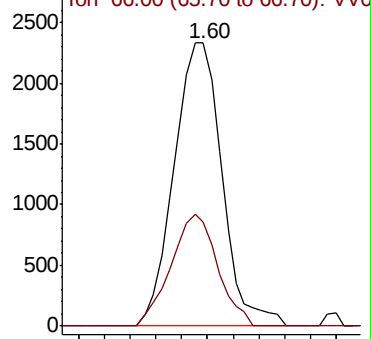
Ion Ratio Lower Upper

64 100

66 36.6 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV019161.D (-33) (-)



#9

Trichlorofluoromethane

Concen: 2.279 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019161.D

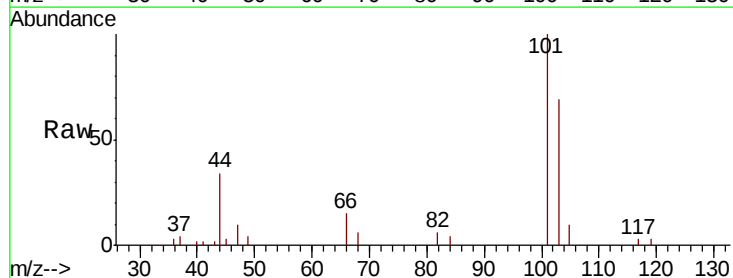
Acq: 29 Oct 2020 21:59

Tgt Ion: 101 Resp: 7102

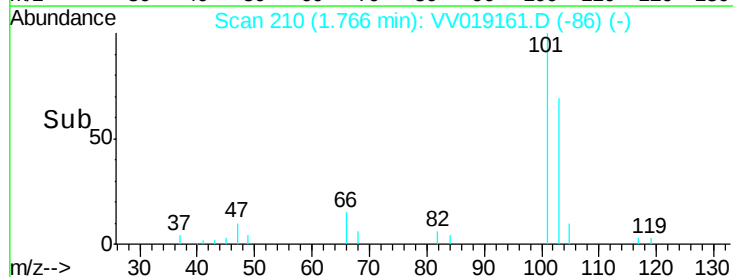
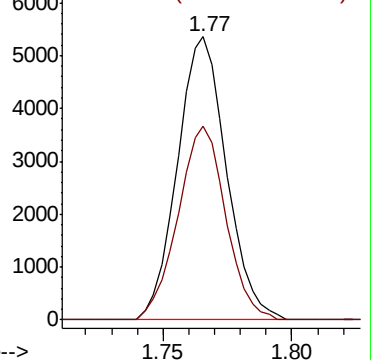
Ion Ratio Lower Upper

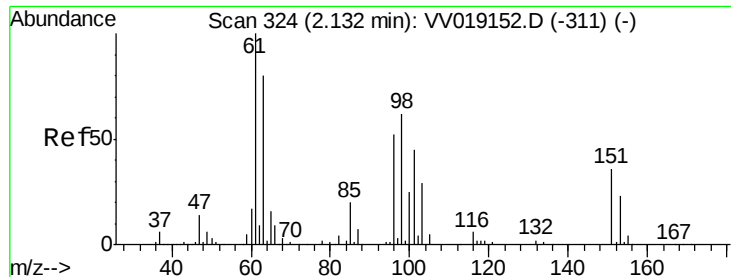
101 100

103 66.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV019161.D (-86) (-)





#10

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

Concen: 3.091 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

Instrument :

MSVOA_V

ClientSampleId :

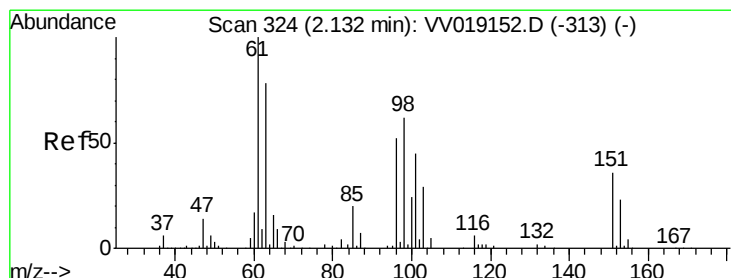
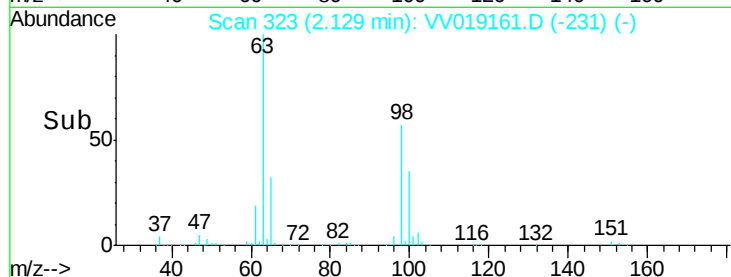
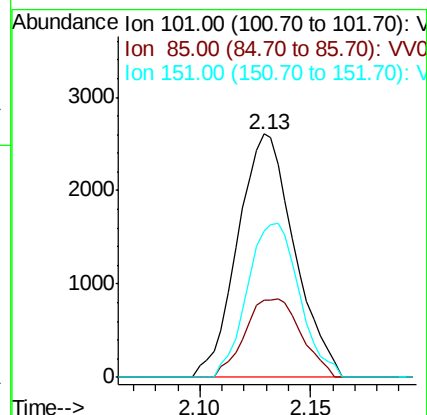
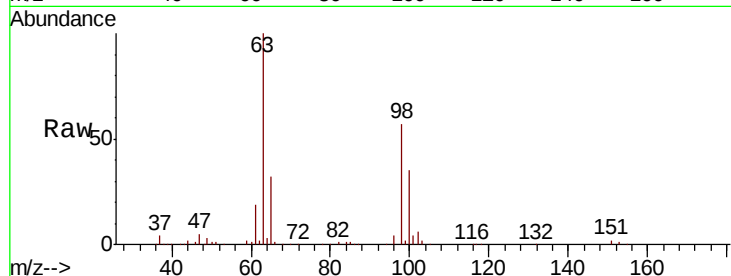
Tot Ion:101 Resp: 4635

Ion Ratio Lower Upper

101 100

85 31.9 36.1 54.1#

151 58.0 65.0 97.4#



#12

1,1-Dichloroethene

Concen: 3.019 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

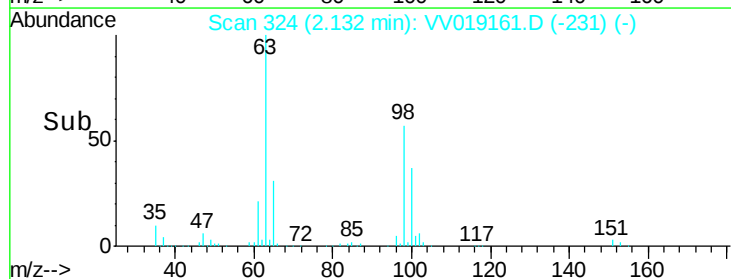
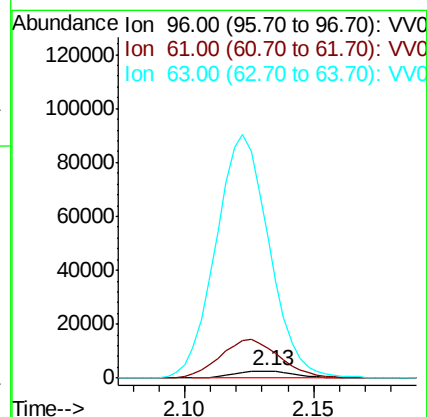
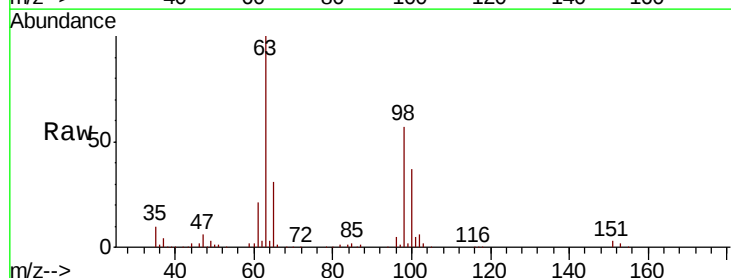
Tgt Ion: 96 Resp: 4434

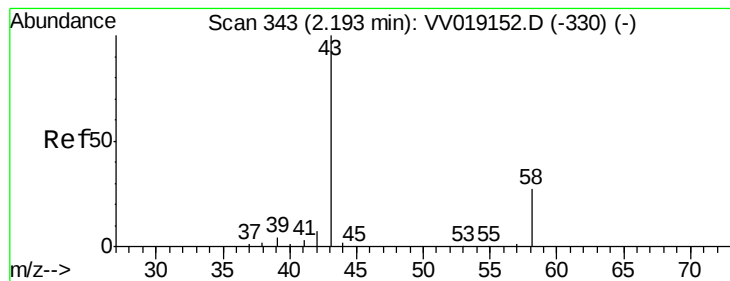
Ion Ratio Lower Upper

96 100

61 417.1 132.6 246.2#

63 1941.2 108.4 201.4#





#13

Acetone

Concen: 3.820 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

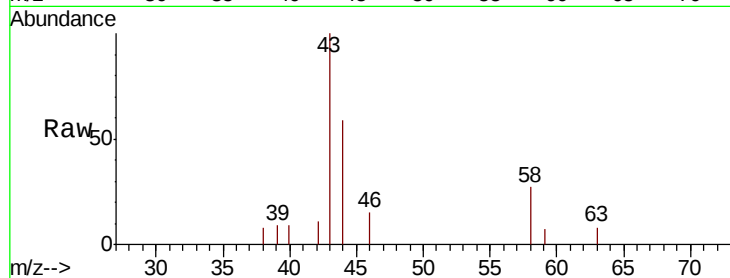
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3956

Ion Ratio Lower Upper

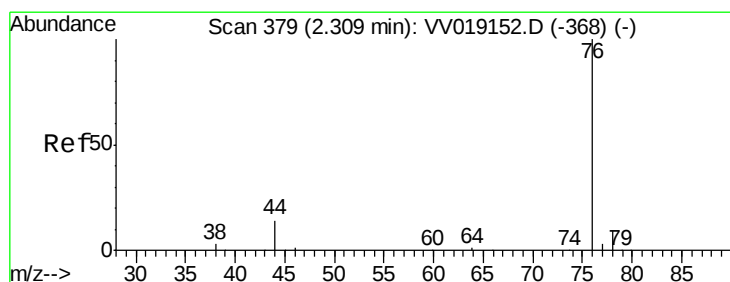
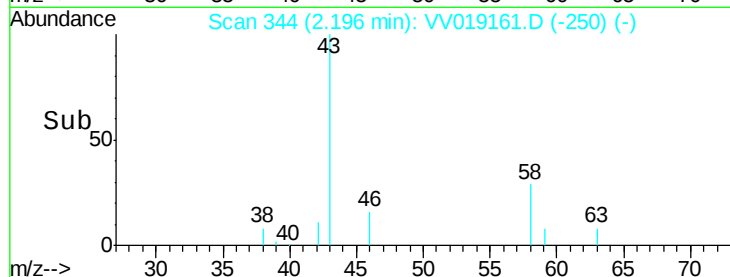
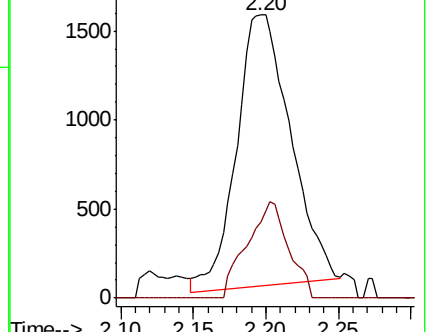
43 100

58 27.2 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019161.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV019161.D (-250) (-)



#14

Carbon disulfide

Concen: 2.366 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019161.D

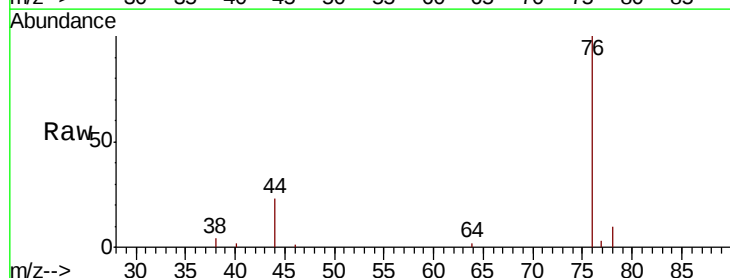
Acq: 29 Oct 2020 21:59

Tgt Ion: 76 Resp: 11042

Ion Ratio Lower Upper

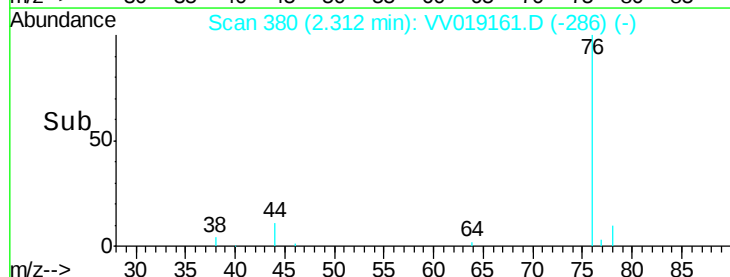
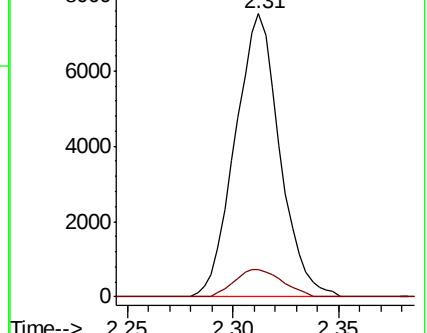
76 100

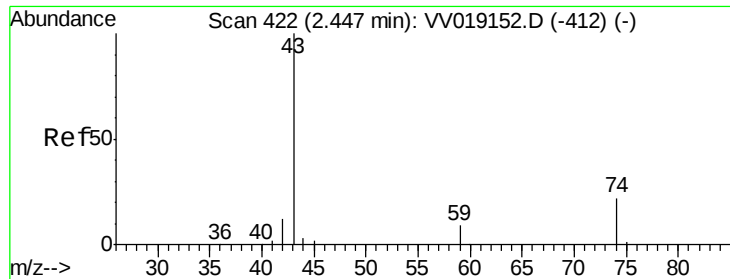
78 9.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019161.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019161.D (-286) (-)

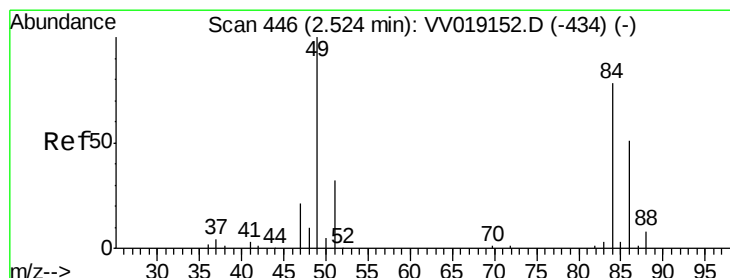
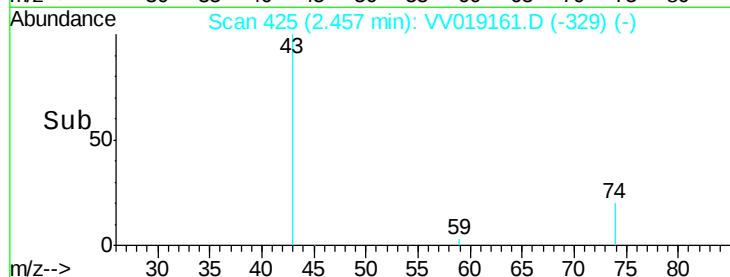
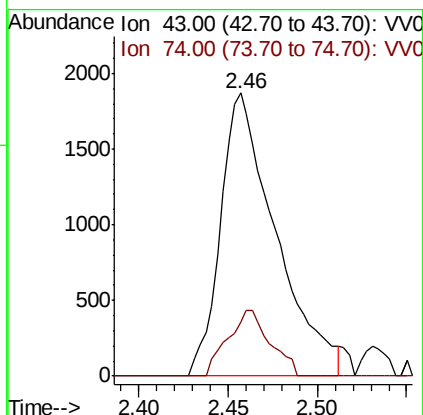
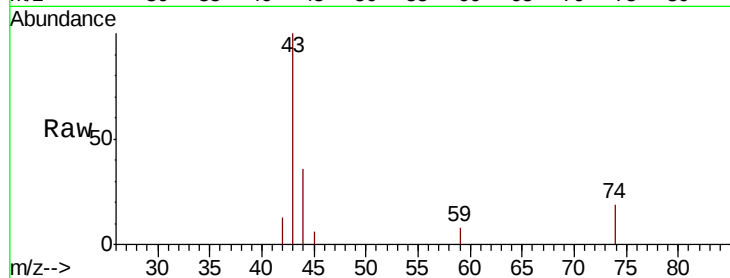




#15
Methvl Acetate
Concen: 2.411 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:59

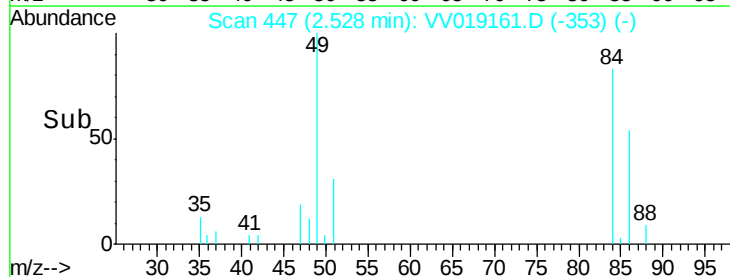
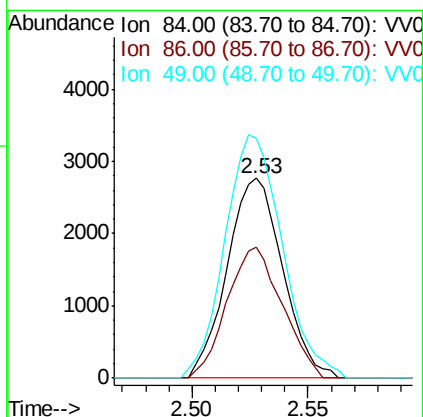
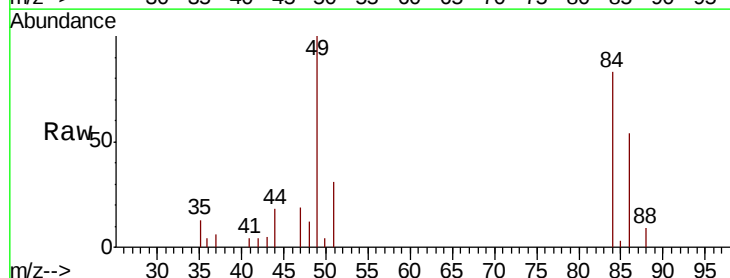
Instrument :
MSVOA_V
ClientSampleId :

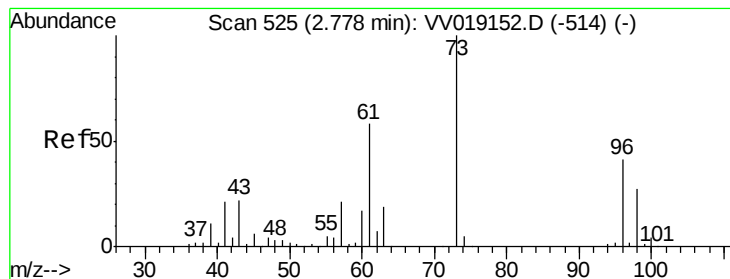
Tot Ion: 43 Resp: 4024
Ion Ratio Lower Upper
43 100
74 17.7 18.4 27.6#



#16
Methylene chloride
Concen: 2.753 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:59

Tgt Ion: 84 Resp: 4591
Ion Ratio Lower Upper
84 100
86 65.4 46.0 85.4
49 120.4 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 2.544 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

Instrument :
MSVOA_V
ClientSampleId :

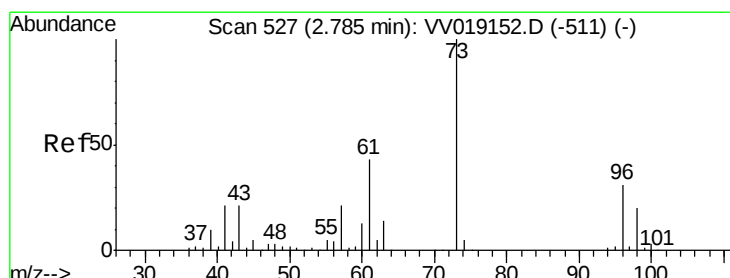
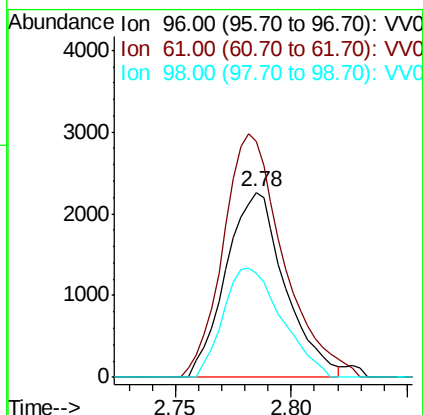
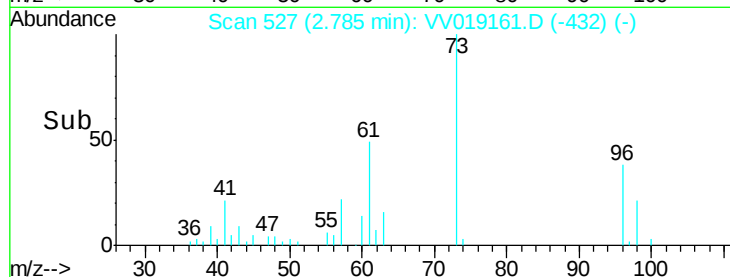
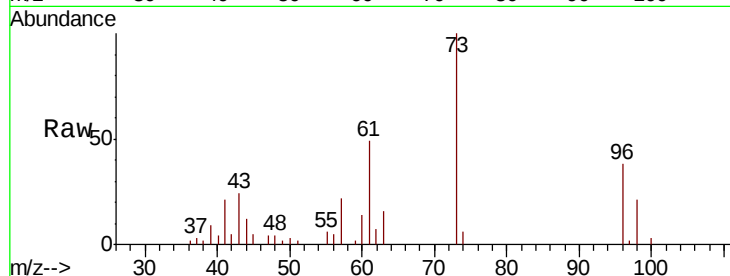
Tot Ion: 96 Resp: 4013

Ion Ratio Lower Upper

96 100

61 127.7 102.4 190.2

98 55.9 45.9 85.3



#18

Methyl tert-butyl Ether

Concen: 2.278 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

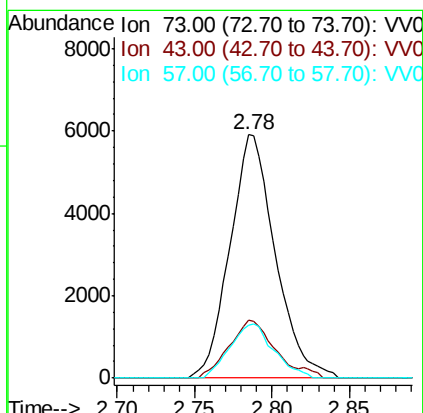
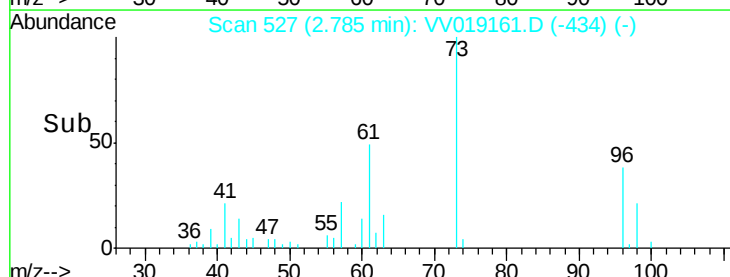
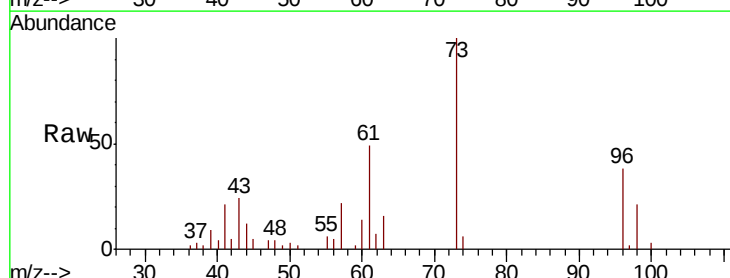
Tgt Ion: 73 Resp: 12031

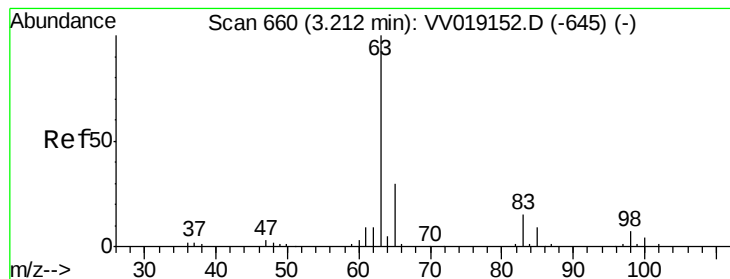
Ion Ratio Lower Upper

73 100

43 23.1 17.9 26.9

57 21.5 17.1 25.7





#19

1,1-Dichloroethane

Concen: 2.372 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

Instrument :

MSVOA_V

ClientSampleId :

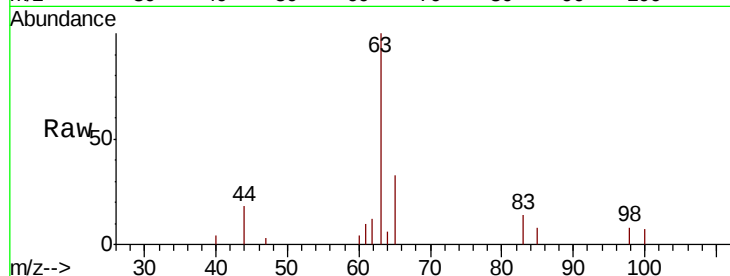
Tot Ion: 63 Resp: 6970

Ion Ratio Lower Upper

63 100

65 32.7 22.0 40.8

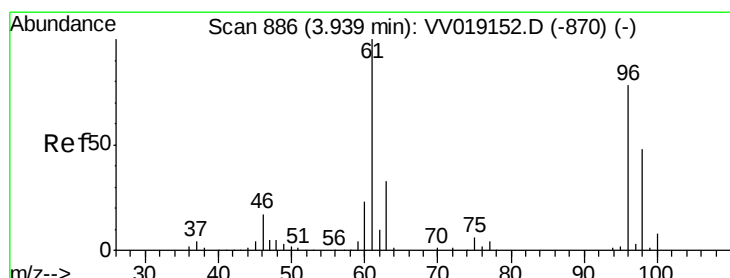
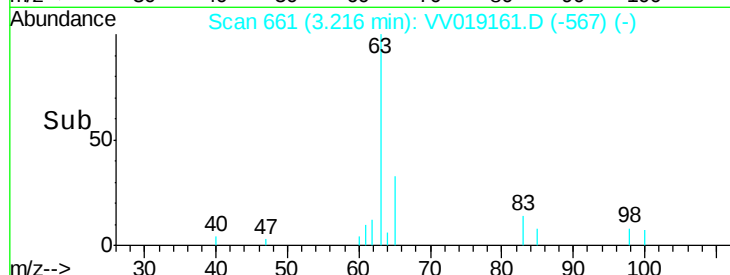
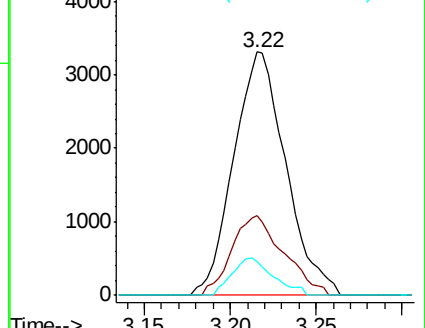
83 13.9 9.6 17.8



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: 2.192 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

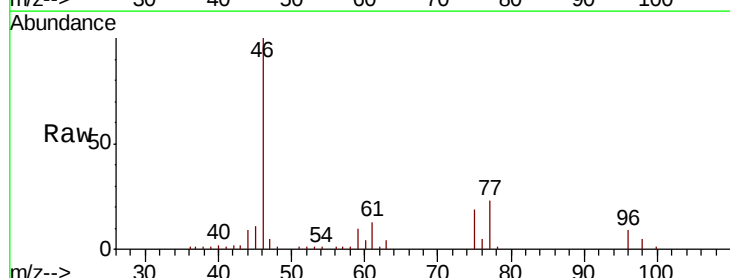
Tgt Ion: 96 Resp: 3794

Ion Ratio Lower Upper

96 100

61 144.4 90.7 168.5

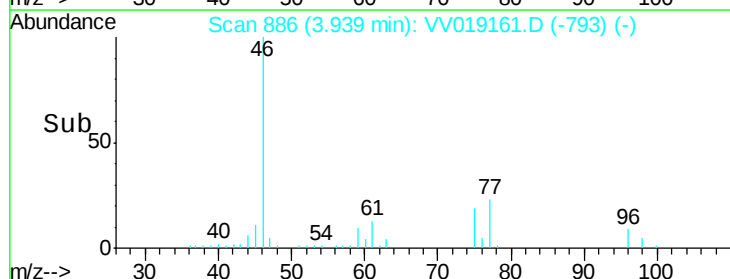
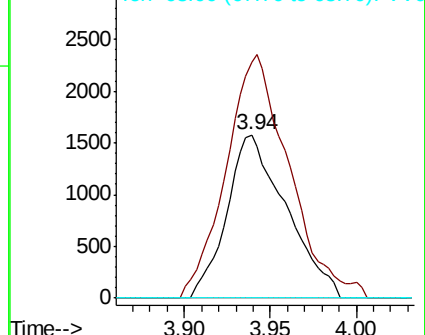
68 0.0 0.0 0.0

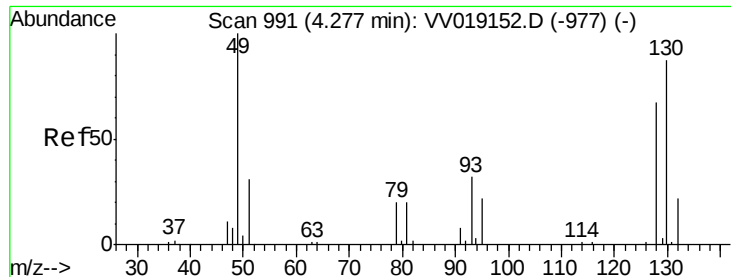


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

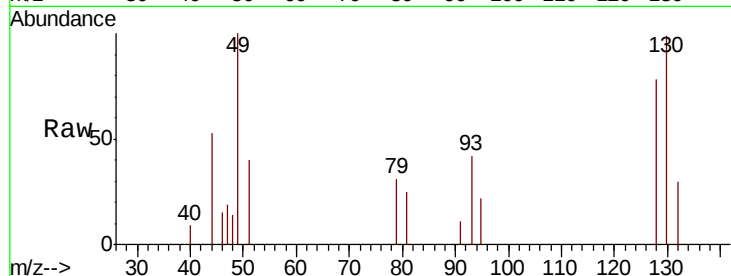




#23
 Bromochloromethane
 Concen: 2.324 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	128	Resp:	2159
Ion	Ratio	Lower	Upper
128	100		
49	128.2	108.5	201.5
130	126.5	90.4	167.8
51	51.5	36.9	55.3

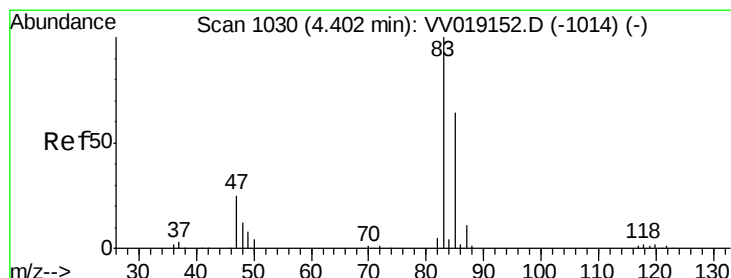
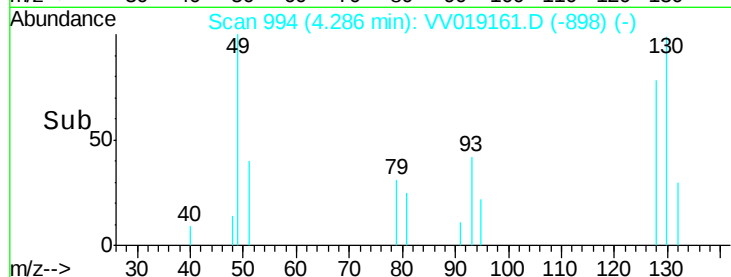
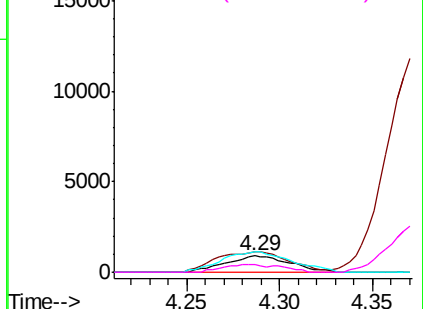


Abundance Ion 128.00 (127.70 to 128.70): VV019161.D (-977) (-)

Ion 49.00 (48.70 to 49.70): VV019161.D (-977) (-)

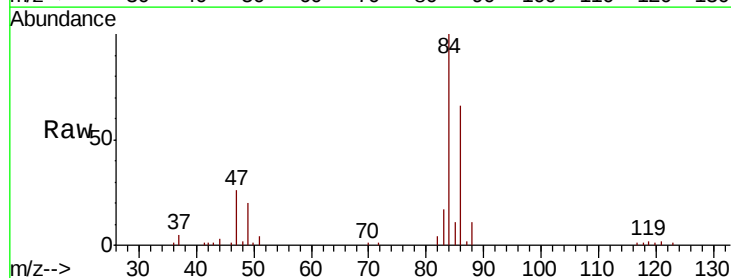
Ion 130.00 (129.70 to 130.70): VV019161.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VV019161.D (-977) (-)



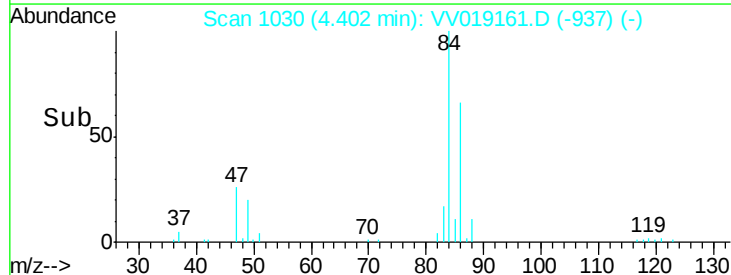
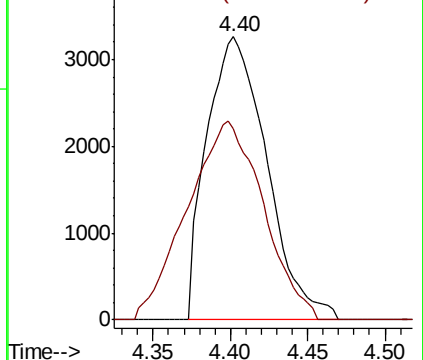
#25
 Chloroform
 Concen: 2.771 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

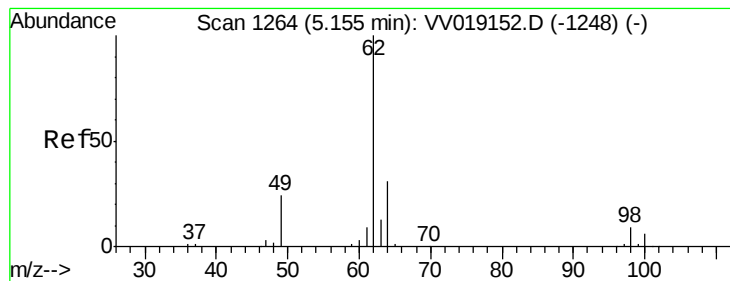
Tgt Ion:	83	Resp:	8800
Ion	Ratio	Lower	Upper
83	100		
85	67.8	45.1	83.9



Abundance Ion 83.00 (82.70 to 83.70): VV019161.D (-937) (-)

Ion 85.00 (84.70 to 85.70): VV019161.D (-937) (-)





#27

1,2-Dichloroethane

Concen: 2.479 ug/L

RT: 5.17 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

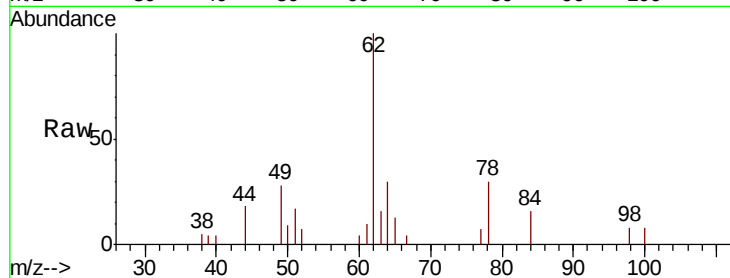
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 6703

Ion Ratio Lower Upper

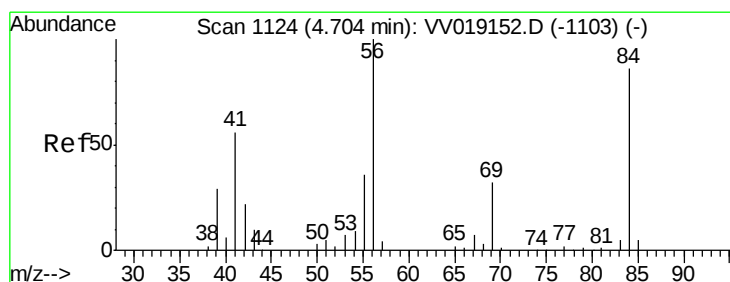
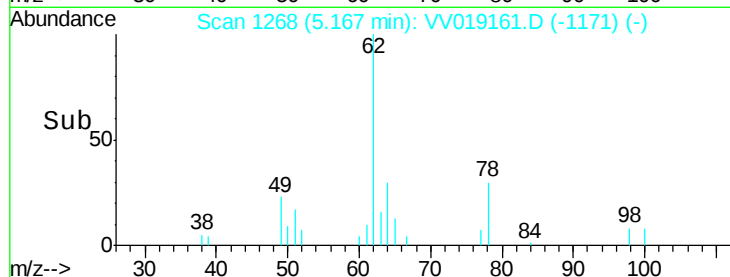
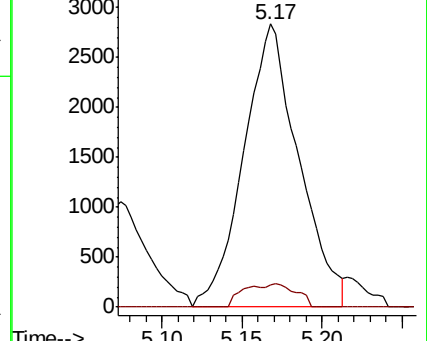
62 100

98 7.8 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VV019161.D (-1171) (-)

Ion 98.00 (97.70 to 98.70): VV019161.D (-1171) (-)



#29

Cyclohexane

Concen: 2.075 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

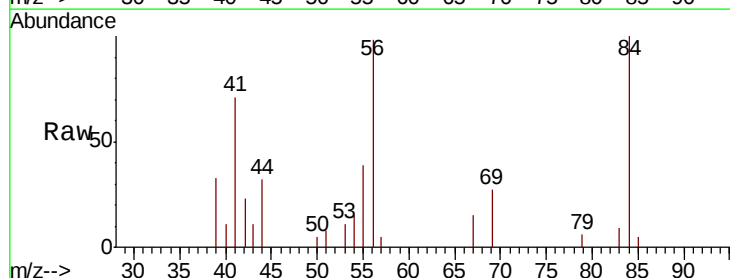
Tgt Ion: 56 Resp: 5177

Ion Ratio Lower Upper

56 100

69 14.5 25.0 37.4#

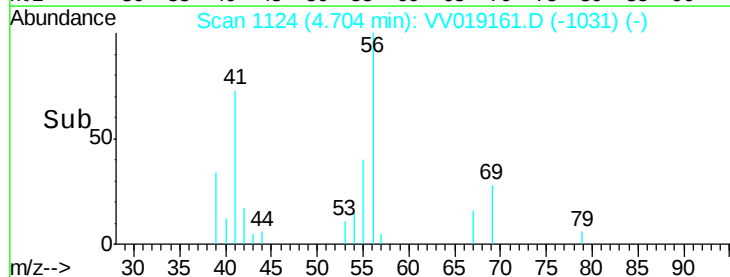
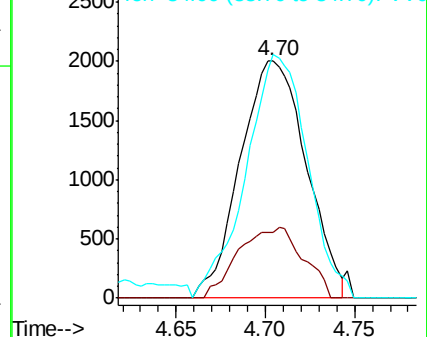
84 95.5 71.5 107.3

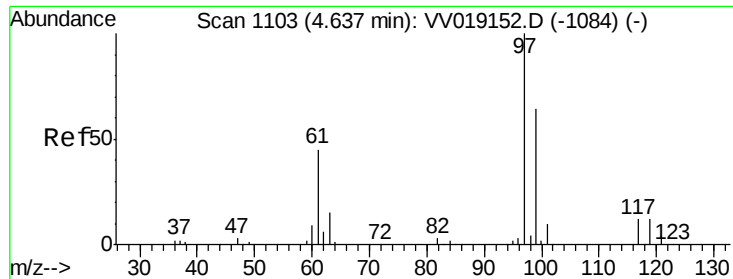


Abundance Ion 56.00 (55.70 to 56.70): VV019161.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV019161.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV019161.D (-1031) (-)

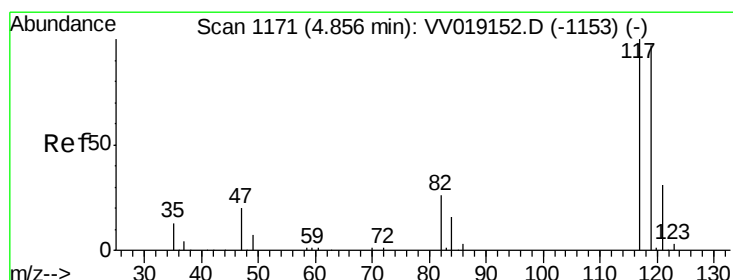
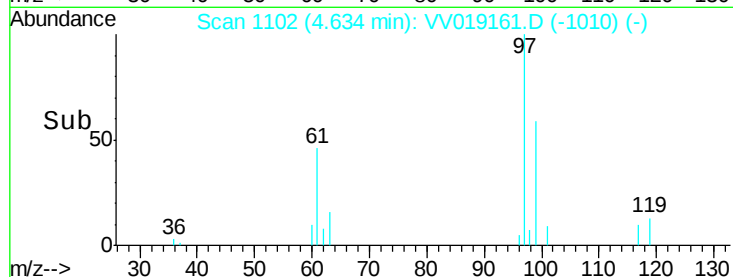
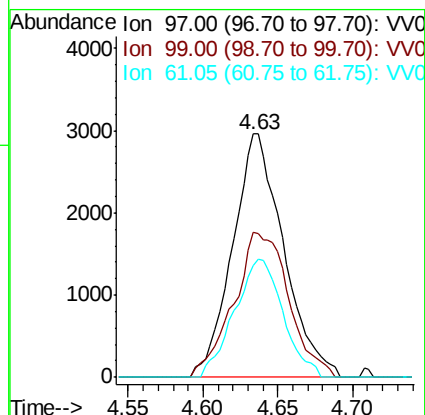
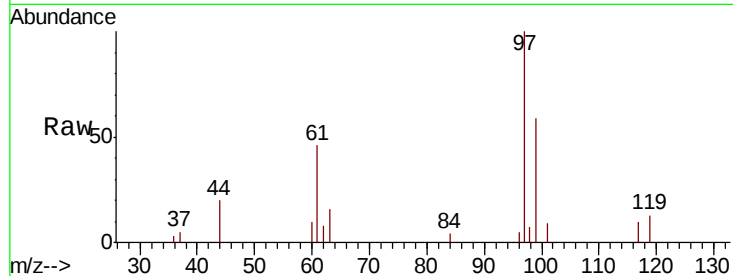




#30
 1,1,1-Trichloroethane
 Concen: 2.319 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

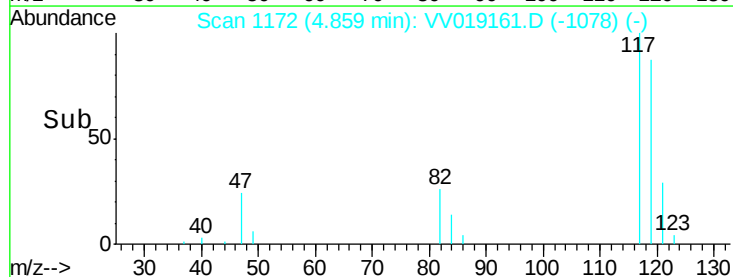
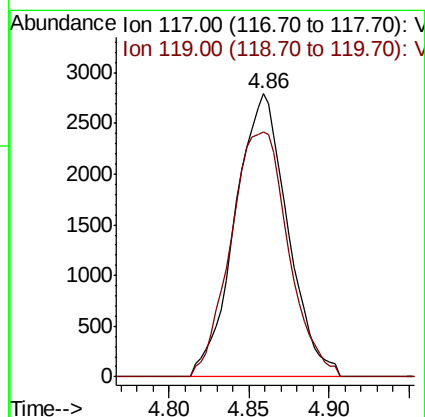
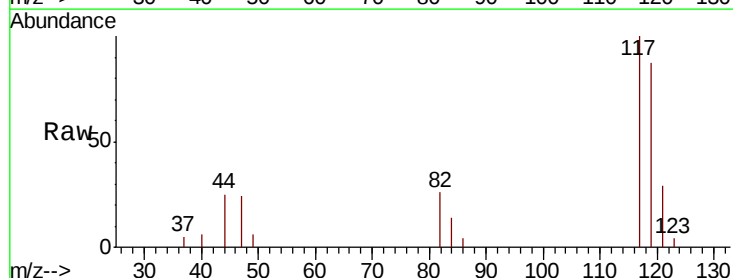
Instrument :
 MSVOA_V
 ClientSampleId :

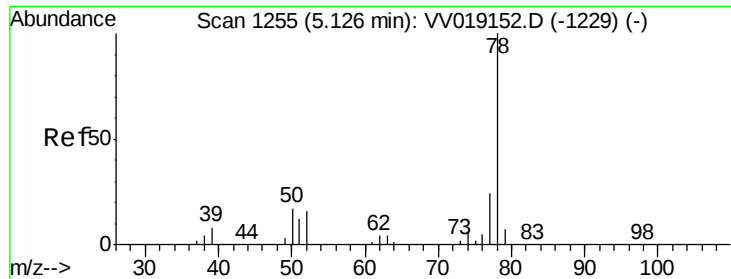
Tot Ion: 97 Resp: 7023
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.3 76.9
 61 46.2 34.6 52.0



#31
 Carbon tetrachloride
 Concen: 2.341 ug/L
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

Tgt Ion: 117 Resp: 6287
 Ion Ratio Lower Upper
 117 100
 119 94.7 77.2 115.8

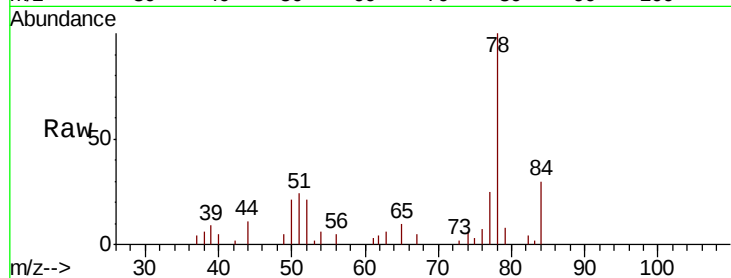




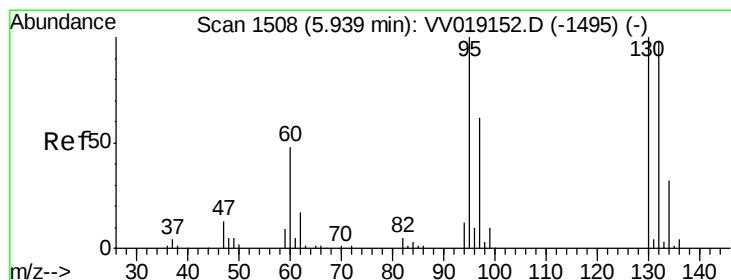
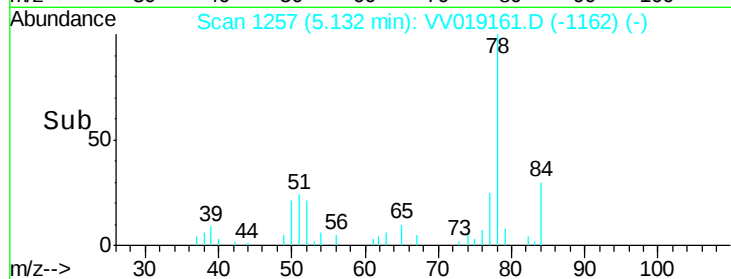
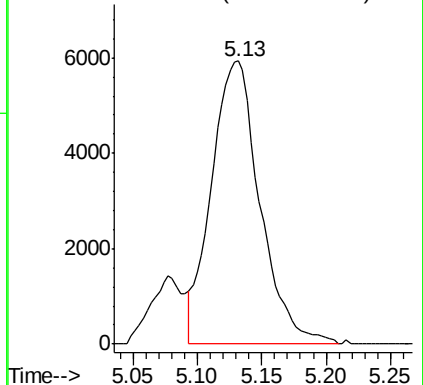
#33
Benzene
Concen: 2.408 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:59

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 15520



Abundance Ion 78.00 (77.70 to 78.70): VV0

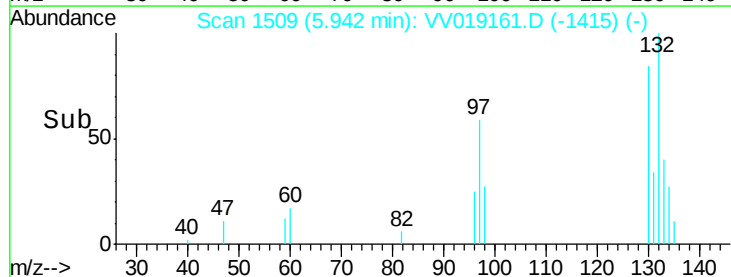
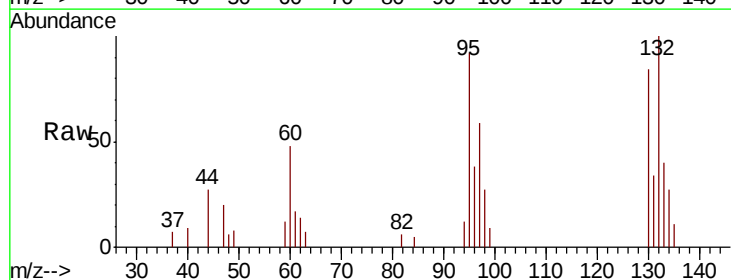
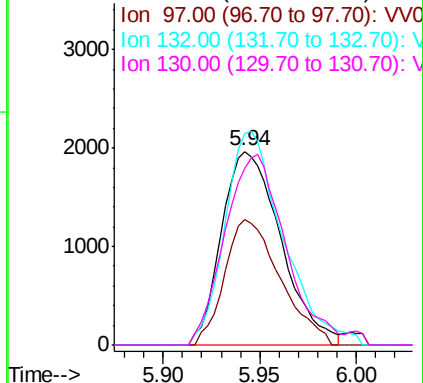


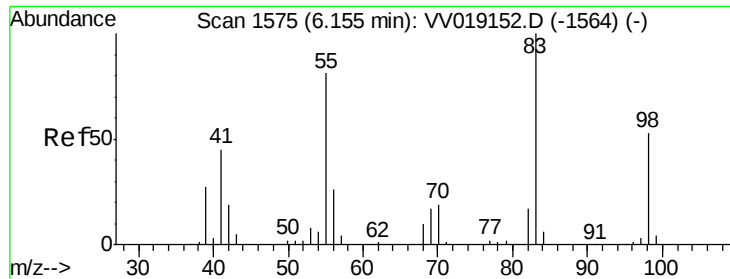
#34
Trichloroethene
Concen: 2.374 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:59

Tgt Ion: 95 Resp: 4192

Ion	Ratio	Lower	Upper
95	100		
97	64.9	43.4	80.6
132	109.2	69.7	129.4
130	91.3	72.4	134.5

Abundance Ion 95.00 (94.70 to 95.70): VV0

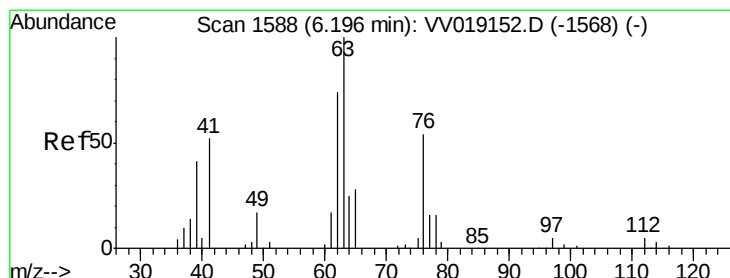
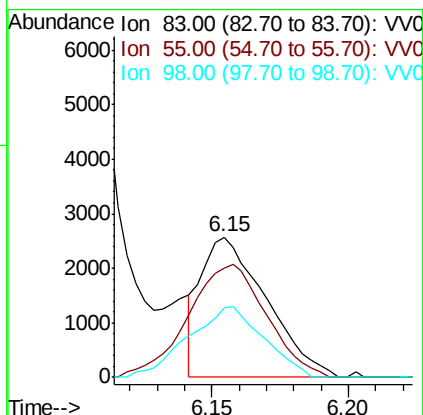
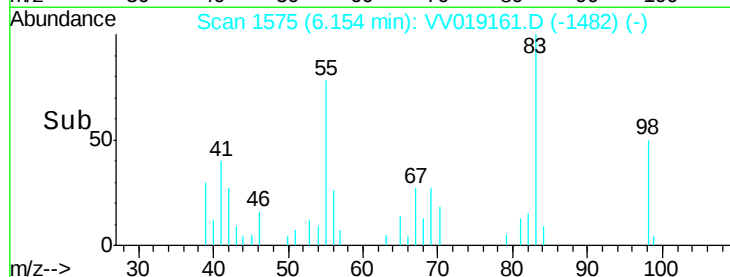
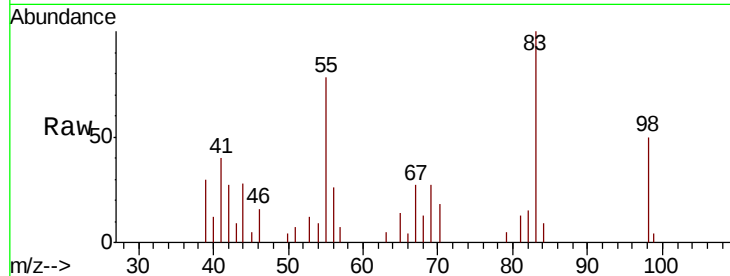




#35
Methvlcvclohexane
Concen: 1.780 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:59

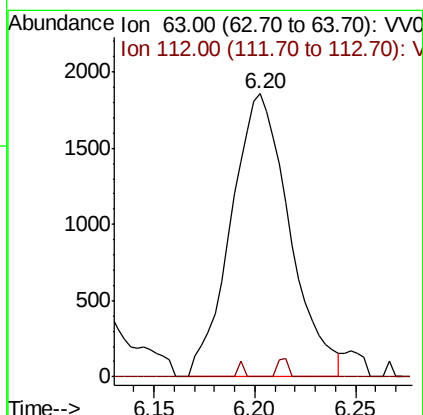
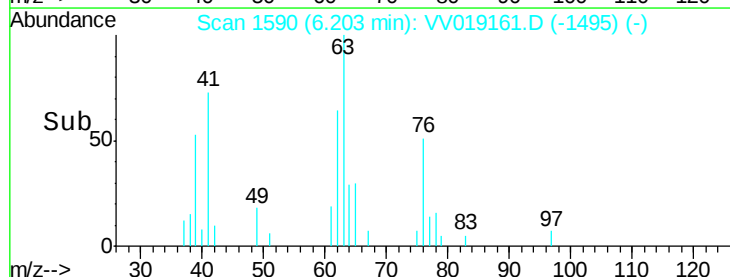
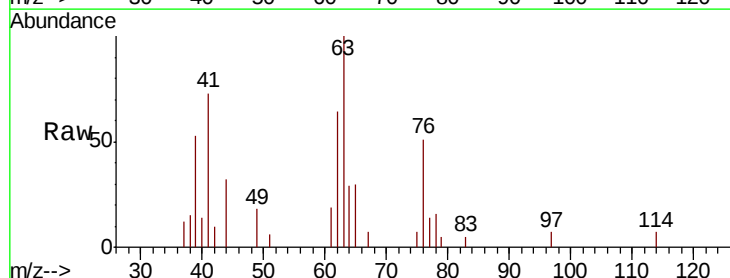
Instrument :
MSVOA_V
ClientSampled :

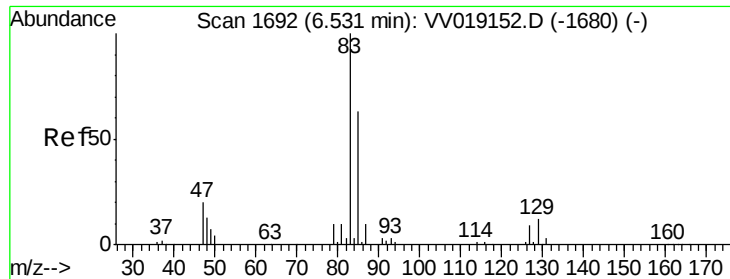
Tot Ion: 83 Resp: 4243
Ion Ratio Lower Upper
83 100
55 97.2 62.2 93.4#
98 58.5 39.4 59.2



#37
1,2-Dichloropropane
Concen: 2.352 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:59

Tgt Ion: 63 Resp: 3764
Ion Ratio Lower Upper
63 100
112 1.2 3.8 5.8#

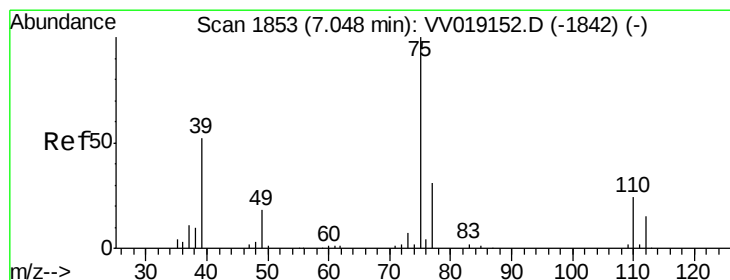
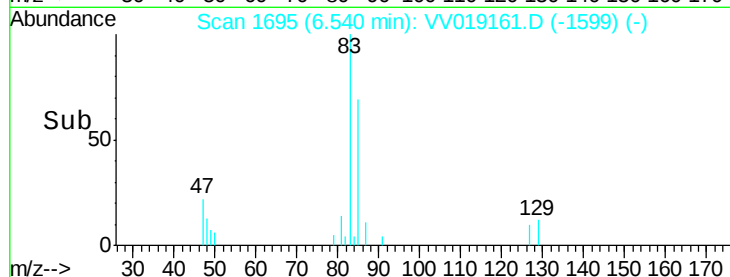
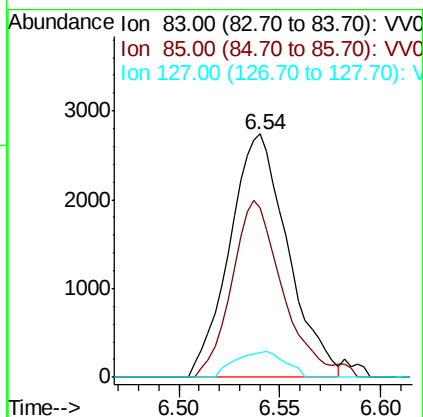
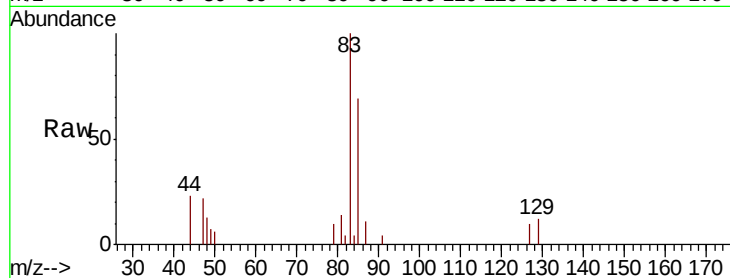




#38
 Bromodichloromethane
 Concen: 2.317 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

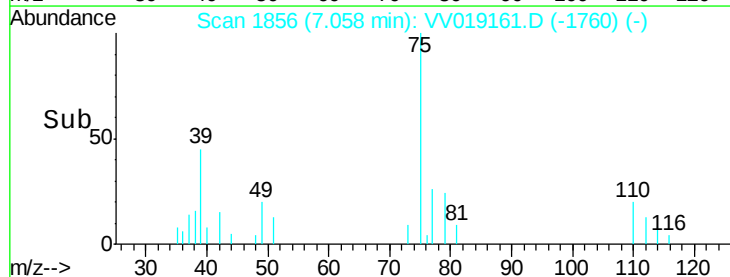
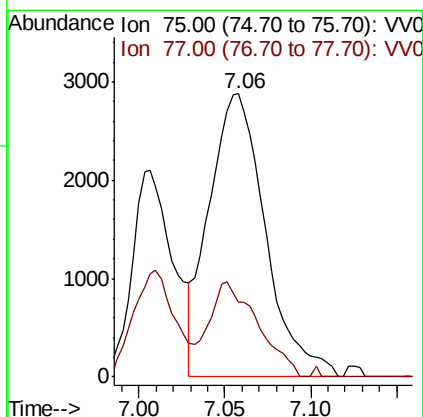
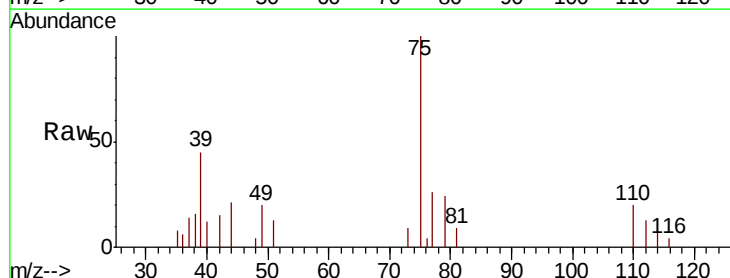
Instrument :
 MSVOA_V
 ClientSampleId :

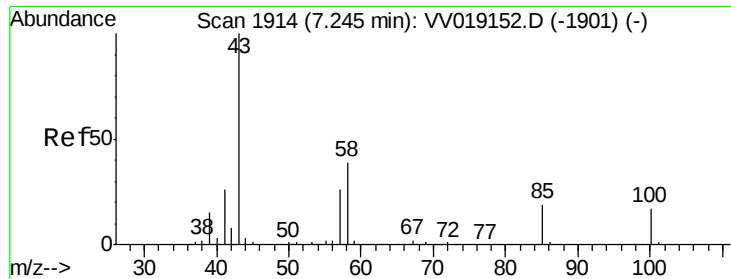
Tot Ion: 83 Resp: 5516
 Ion Ratio Lower Upper
 83 100
 85 69.4 45.9 85.3
 127 10.3 6.9 10.3



#39
 cis-1,3-Dichloropropene
 Concen: 2.486 ug/L
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

Tgt Ion: 75 Resp: 6573
 Ion Ratio Lower Upper
 75 100
 77 26.2 22.7 42.1

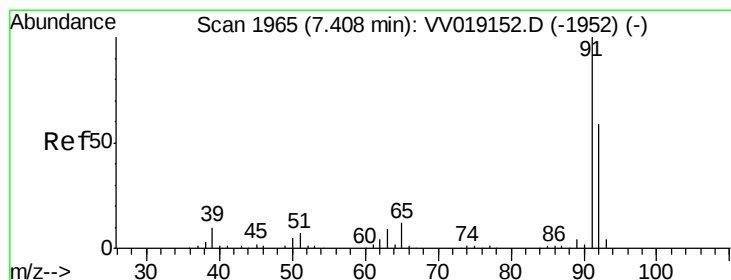
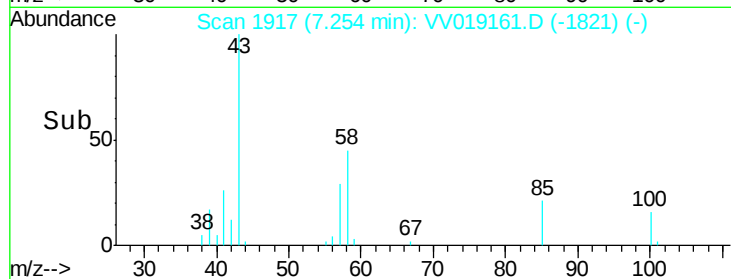
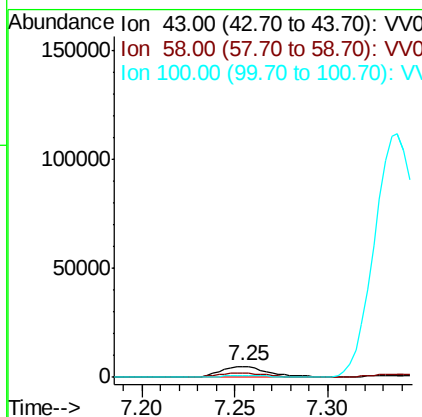
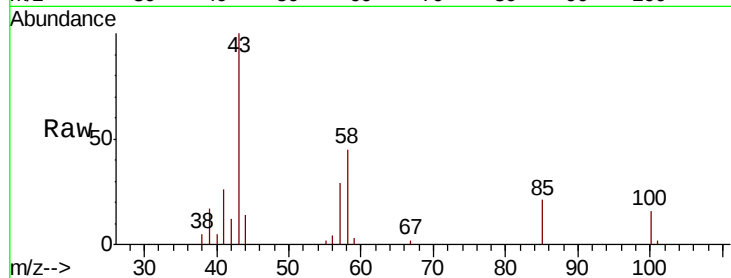




#40
4-Methyl-2-pentanone
Concen: 4.286 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:59

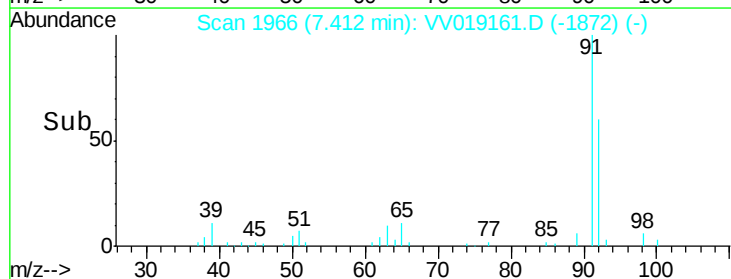
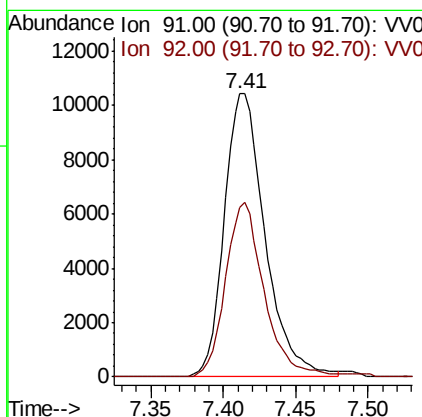
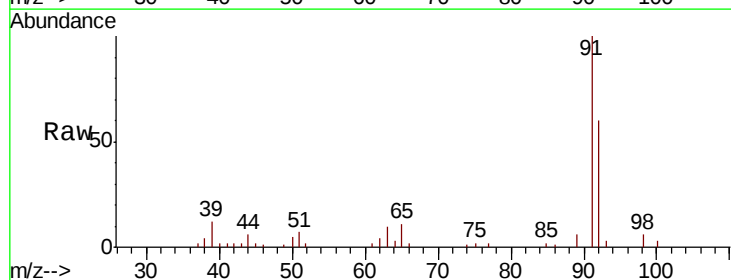
Instrument :
MSVOA_V
ClientSampled :

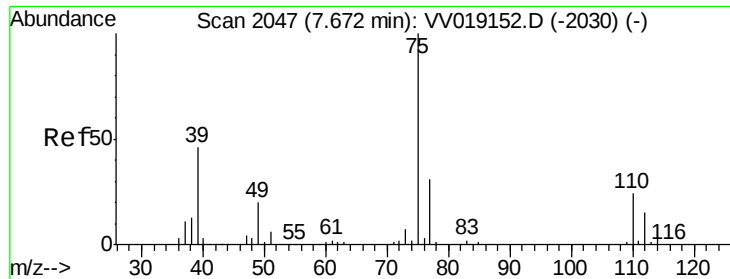
Tot Ion: 43 Resp: 9463
Ion Ratio Lower Upper
43 100
58 40.9 31.0 46.4
100 15.8 13.2 19.8



#42
Toluene
Concen: 2.886 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:59

Tgt Ion: 91 Resp: 20390
Ion Ratio Lower Upper
91 100
92 59.8 41.5 77.1





#44

trans-1,3-Dichloropropene

Concen: 1.914 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

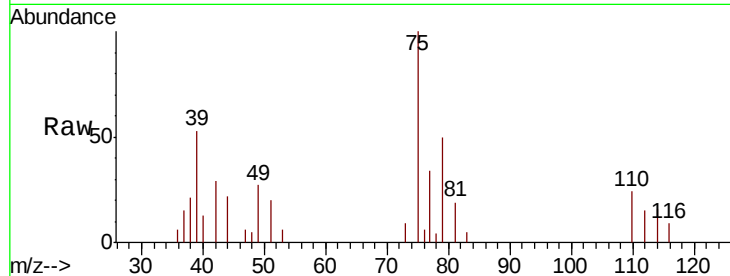
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 5264

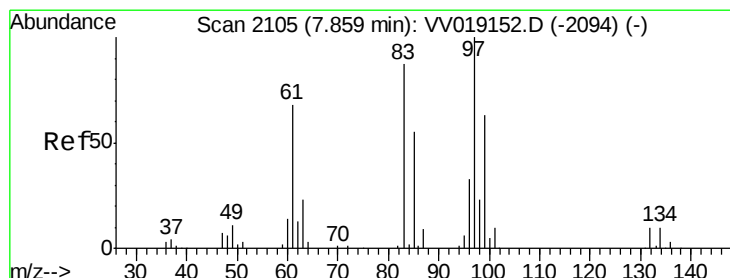
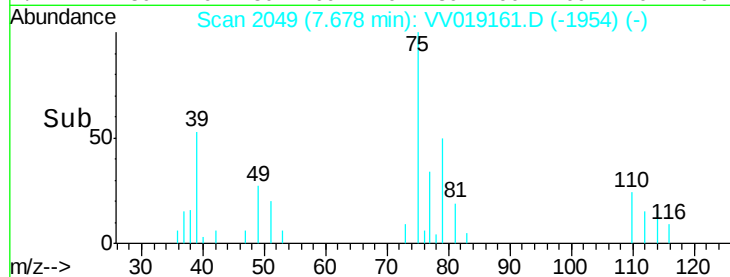
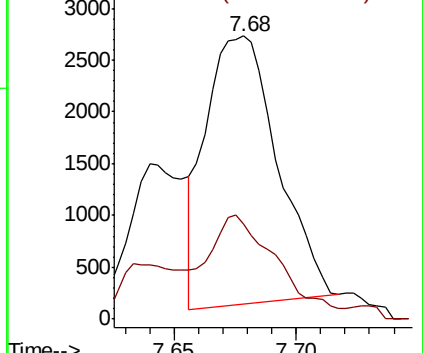
Ion Ratio Lower Upper

75 100

77 33.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV019152.D (-2030) (-)



#45

1,1,2-Trichloroethane

Concen: 2.422 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

Tgt Ion: 97 Resp: 3888

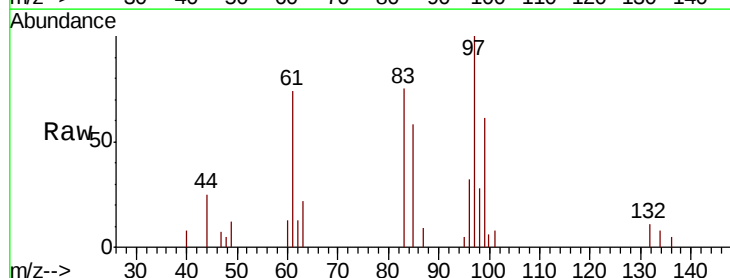
Ion Ratio Lower Upper

97 100

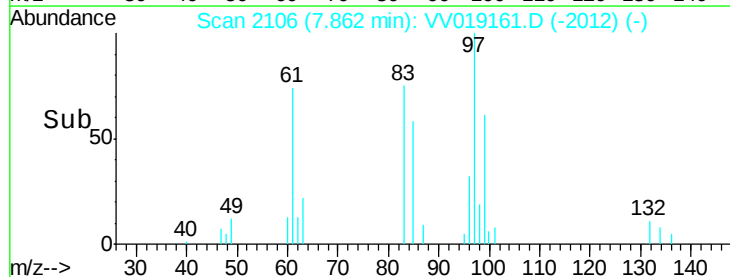
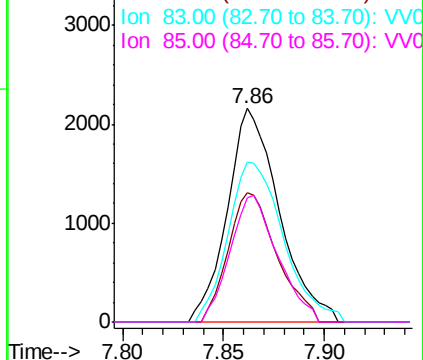
99 60.7 43.1 80.1

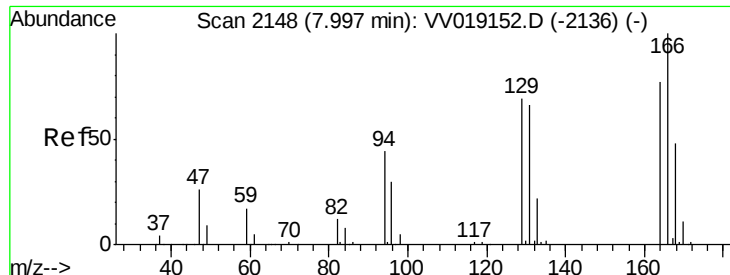
83 74.7 58.3 108.3

85 57.9 37.8 70.2



Abundance Ion 97.00 (96.70 to 97.70): VV019152.D (-2094) (-)

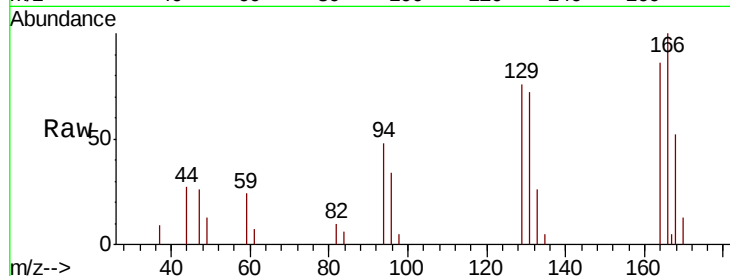




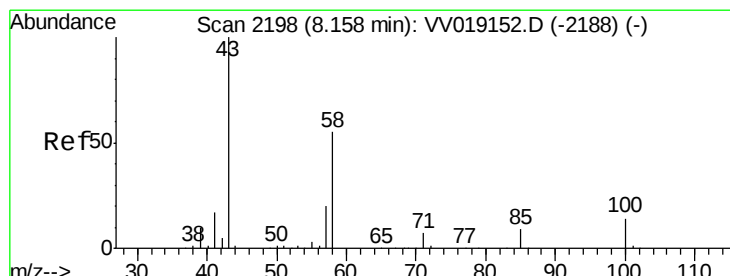
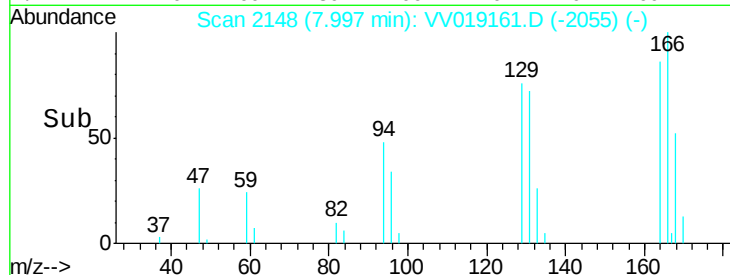
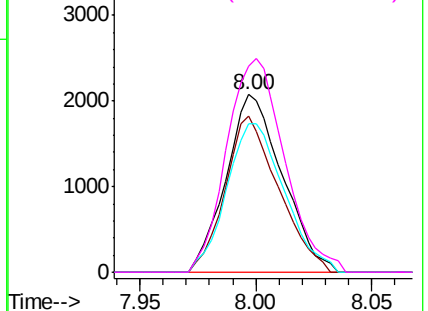
#46
Tetrachloroethene
Concen: 2.324 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 3503
Ion Ratio Lower Upper
164 100
129 87.9 63.2 117.4
131 83.2 60.3 112.1
166 116.0 88.3 163.9

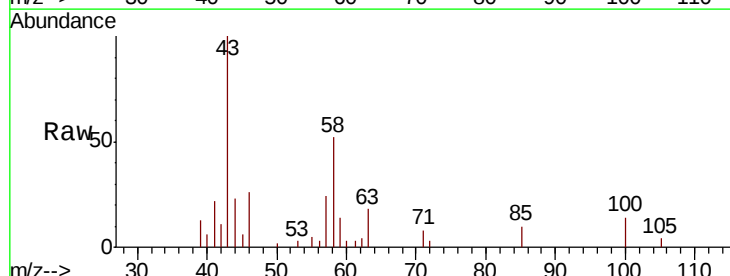


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

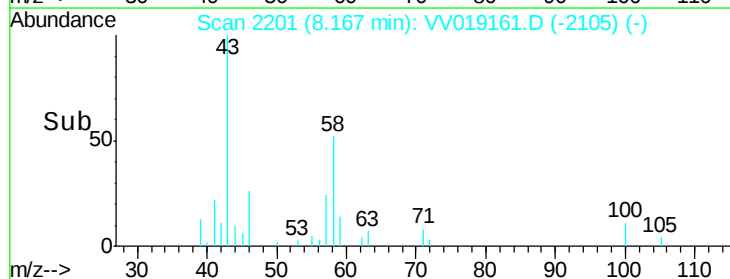
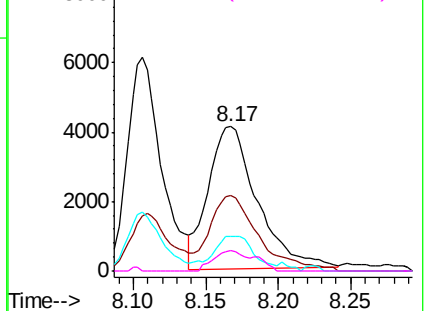


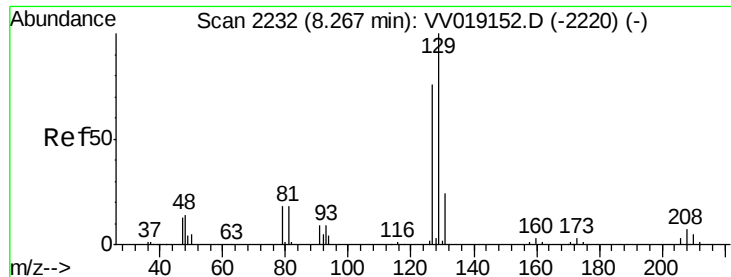
#48
2-Hexanone
Concen: 5.463 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV019161.D
Acq: 29 Oct 2020 21:59

Tgt Ion: 43 Resp: 9587
Ion Ratio Lower Upper
43 100
58 47.1 43.6 65.4
57 7.5 16.0 24.0#
100 9.3 10.3 15.5#



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

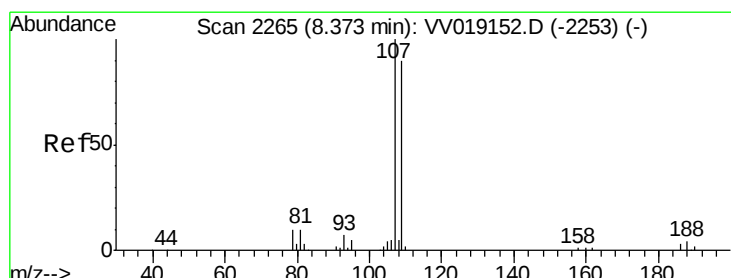
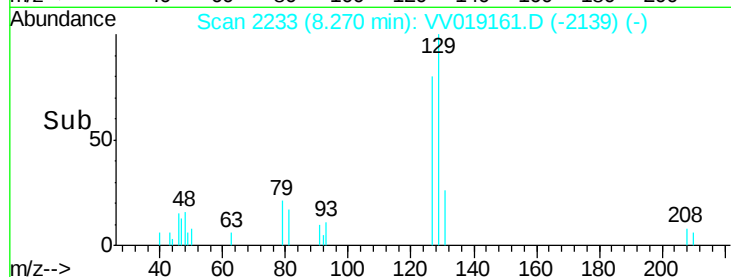
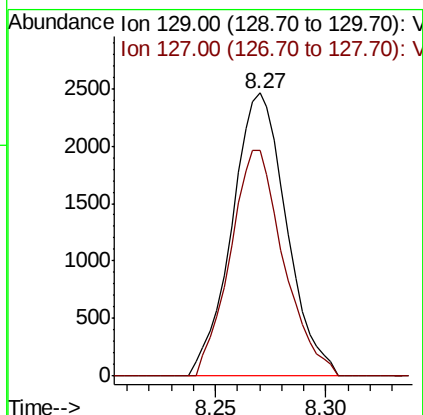
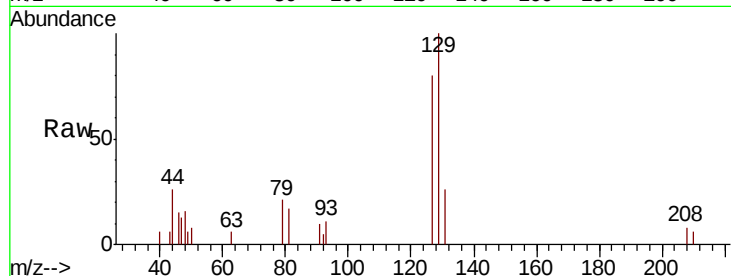




#49
 Dibromochloromethane
 Concen: 2.175 ug/L
 RT: 8.27 min Scan# 2233
 Delta R.T. 0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

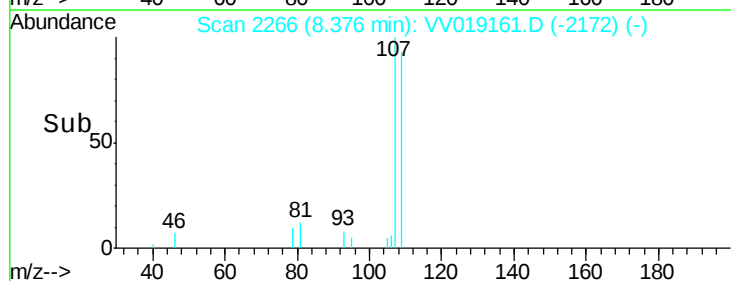
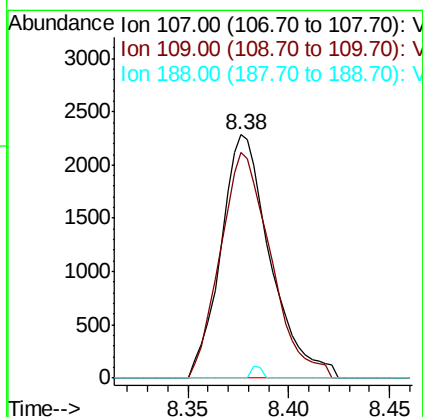
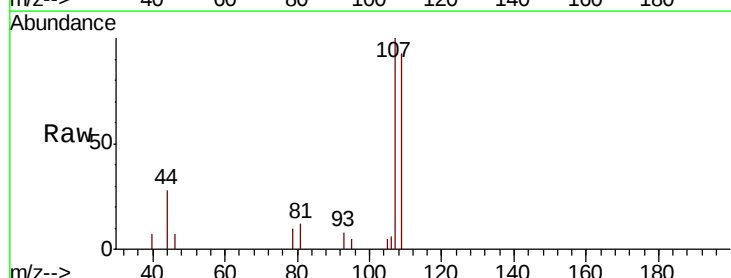
Instrument :
 MSVOA_V
 ClientSampled :

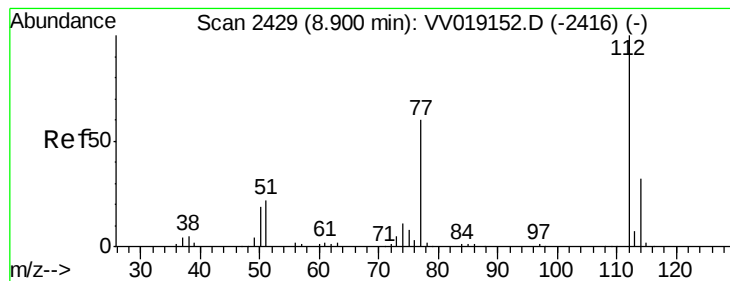
Tot Ion:129 Resp: 4227
 Ion Ratio Lower Upper
 129 100
 127 79.8 54.7 101.5



#50
 1,2-Dibromoethane
 Concen: 2.277 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

Tgt Ion:107 Resp: 3900
 Ion Ratio Lower Upper
 107 100
 109 92.9 65.7 121.9
 188 0.0 3.4 5.2#





#51

Chlorobenzene

Concen: 2.392 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

Instrument :

MSVOA_V

ClientSampleId :

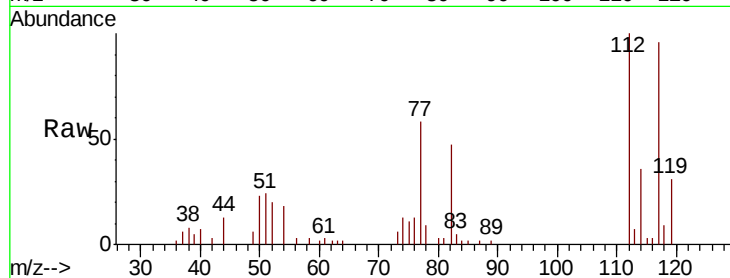
Tot Ion:112 Resp: 11080

Ion Ratio Lower Upper

112 100

114 35.8 22.3 41.5

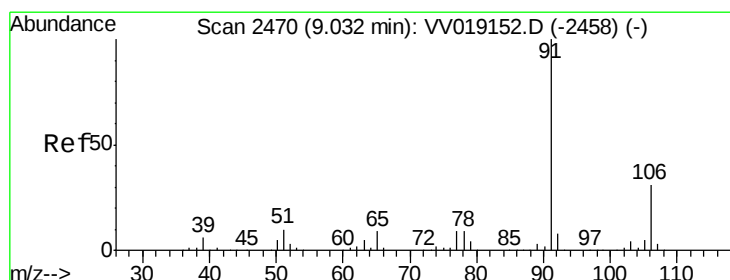
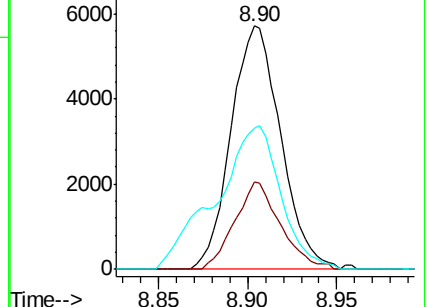
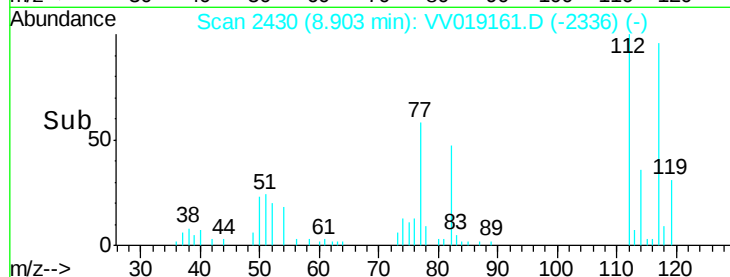
77 58.2 46.7 70.1



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): V



#52

Ethylbenzene

Concen: 2.178 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019161.D

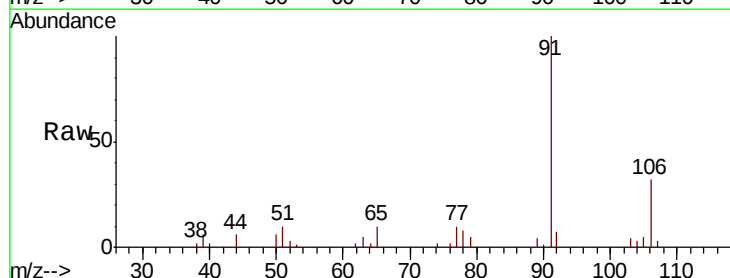
Acq: 29 Oct 2020 21:59

Tgt Ion: 91 Resp: 16959

Ion Ratio Lower Upper

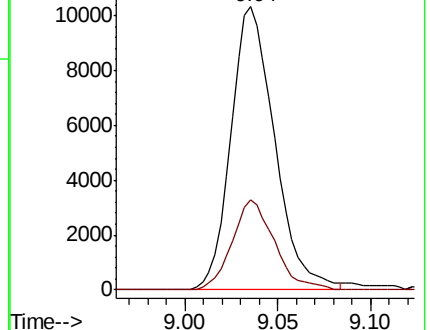
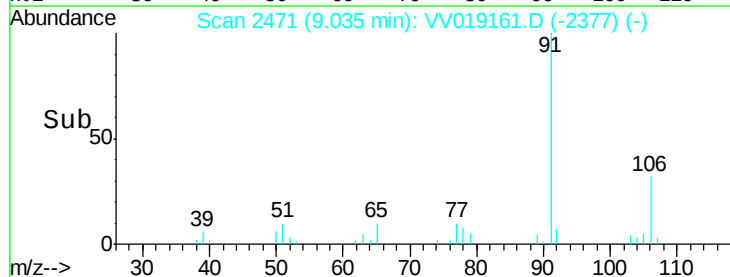
91 100

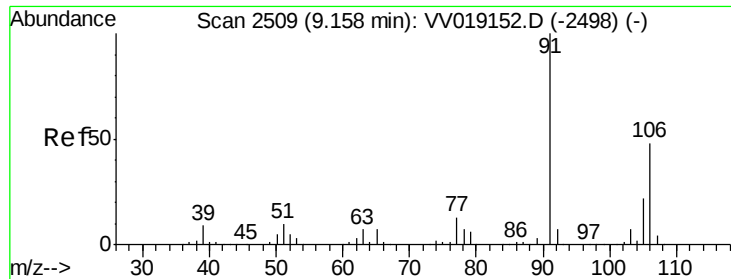
106 32.0 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 2.153 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

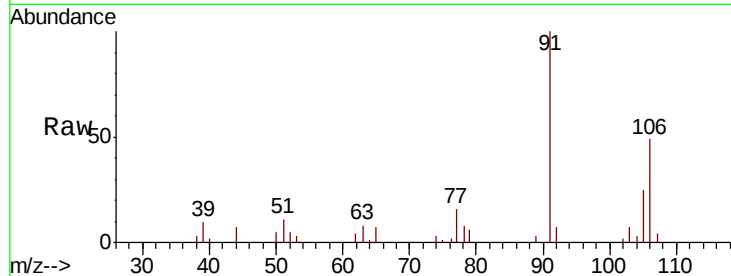
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 6330

Ion Ratio Lower Upper

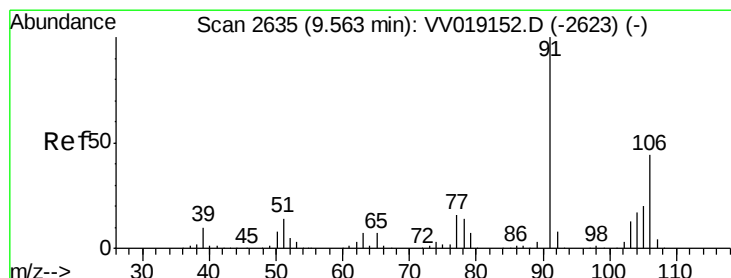
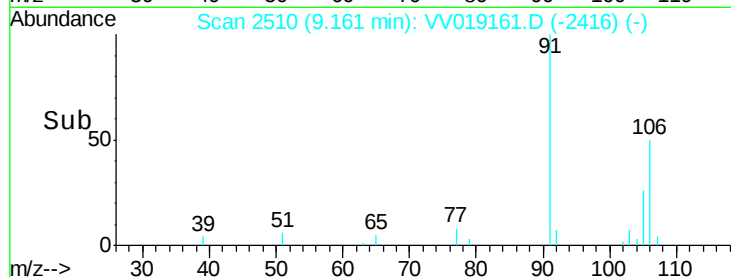
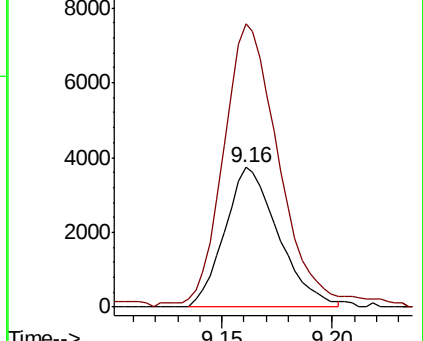
106 100

91 202.8 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 2.103 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019161.D

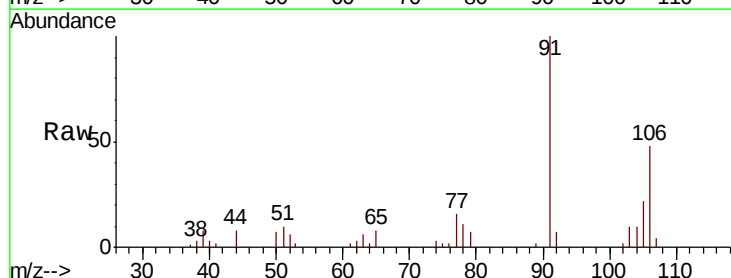
Acq: 29 Oct 2020 21:59

Tgt Ion:106 Resp: 5937

Ion Ratio Lower Upper

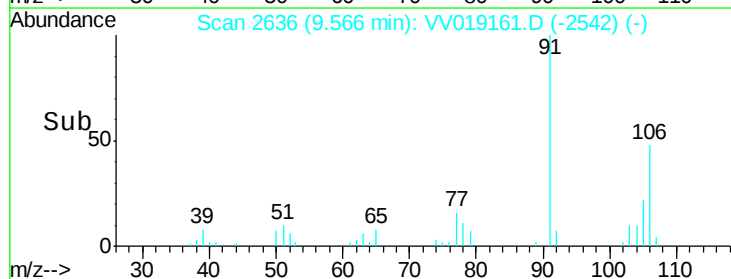
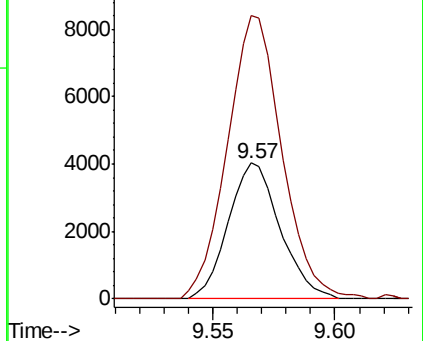
106 100

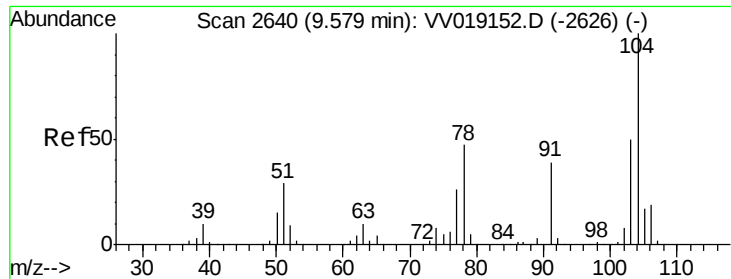
91 207.9 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 1.858 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

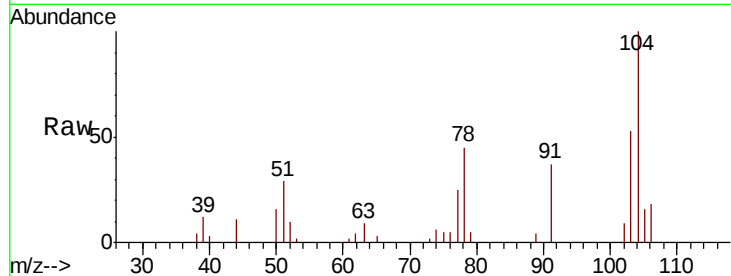
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:104 Resp: 9296

Ion Ratio Lower Upper

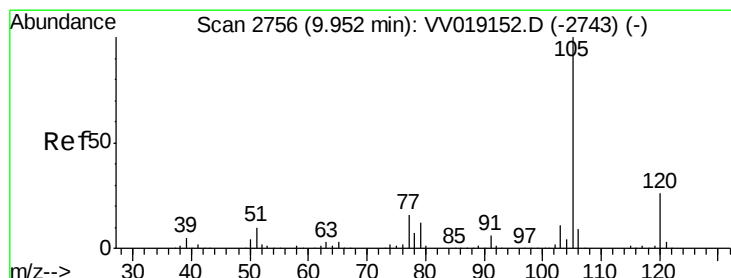
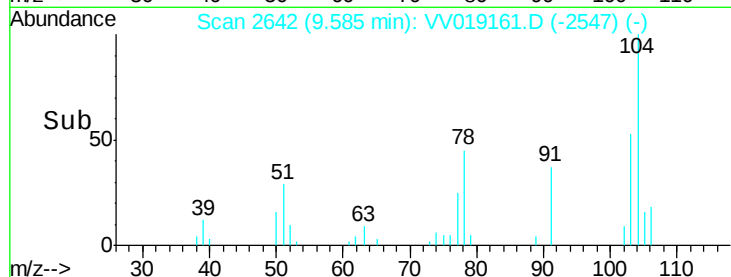
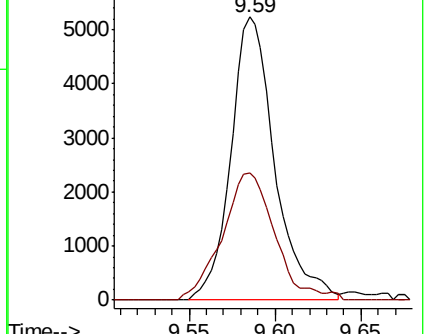
104 100

78 45.0 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: 1.965 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

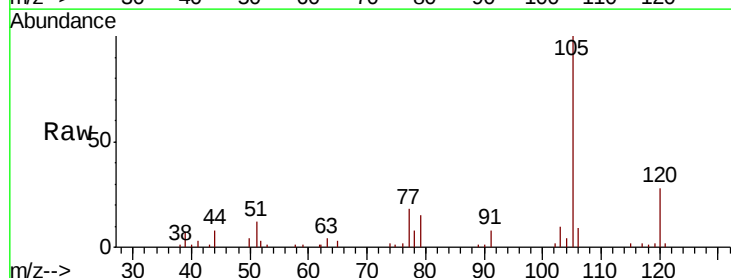
Tgt Ion:105 Resp: 14907

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

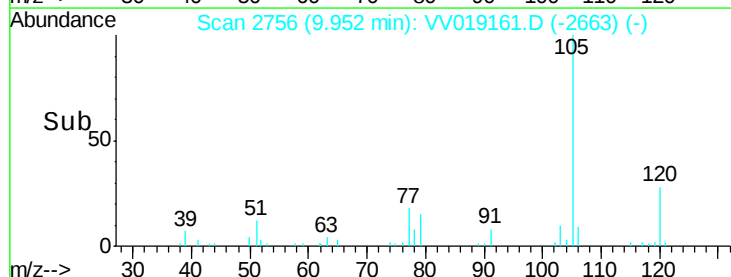
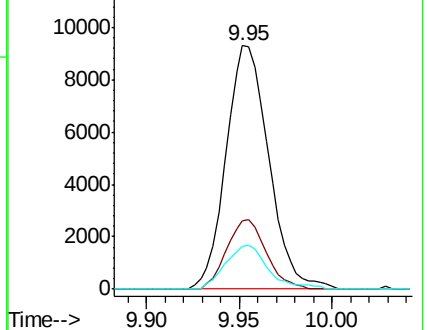
77 17.9 13.0 19.4

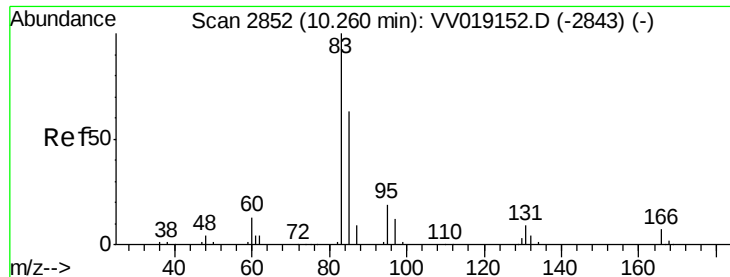


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 2.392 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

Instrument :

MSVOA_V

ClientSampleId :

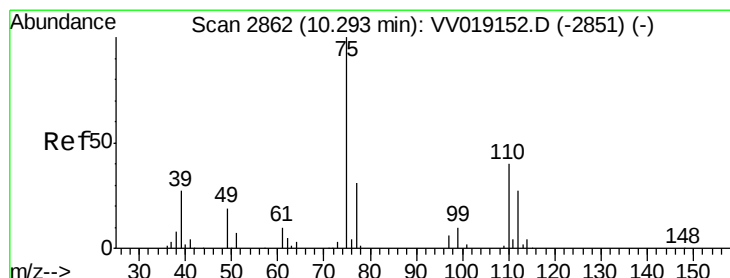
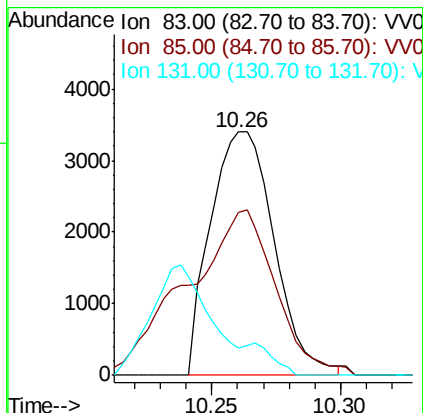
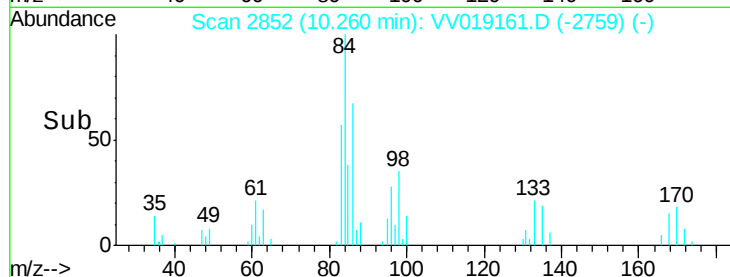
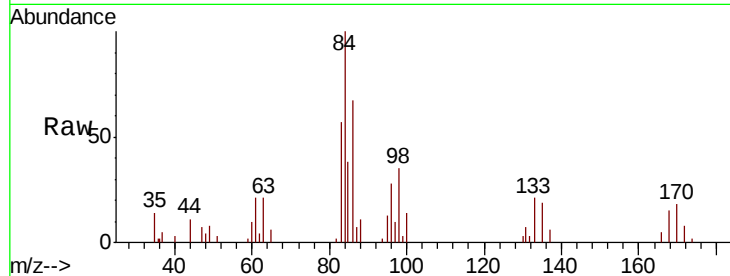
Tot Ion: 83 Resp: 5847

Ion Ratio Lower Upper

83 100

85 67.0 45.8 85.0

131 16.3 8.9 13.3#



#59

1,2,3-Trichloropropane

Concen: 2.358 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019161.D

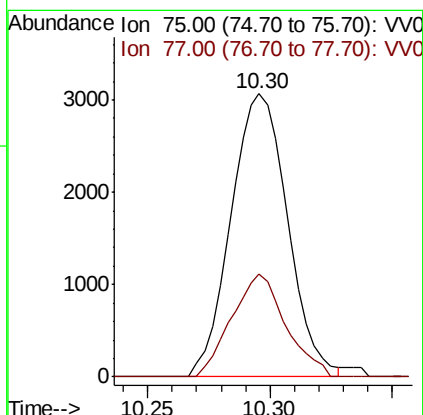
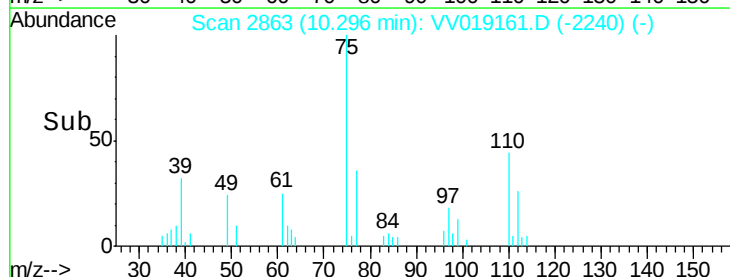
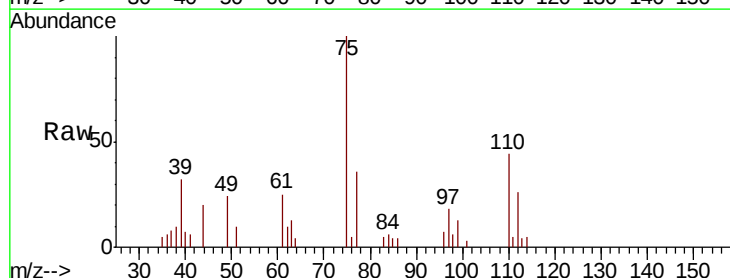
Acq: 29 Oct 2020 21:59

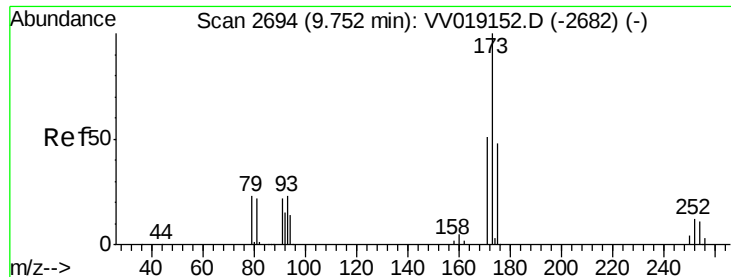
Tgt Ion: 75 Resp: 4933

Ion Ratio Lower Upper

75 100

77 34.7 26.2 39.4





#61

Bromoform

Concen: 2.137 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

Instrument :
MSVOA_V
ClientSampled :

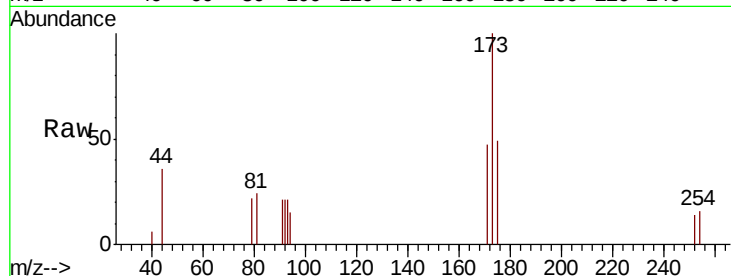
Tot Ion:173 Resp: 3000

Ion Ratio Lower Upper

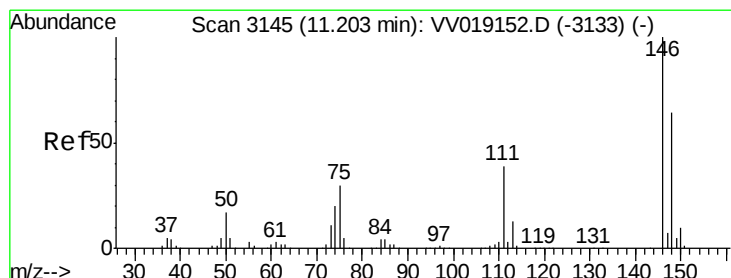
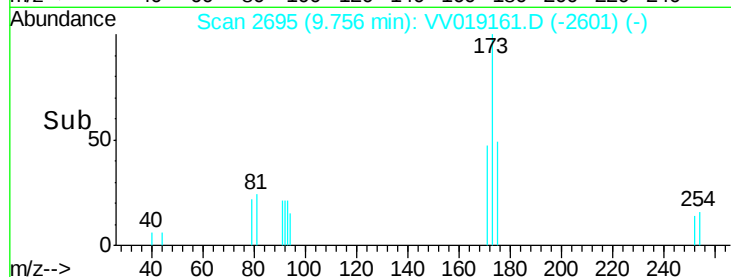
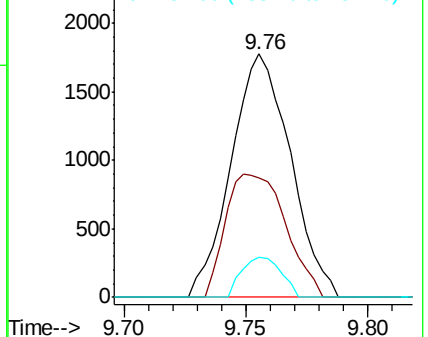
173 100

175 51.3 39.8 59.6

254 10.9 9.7 14.5



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: 2.290 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

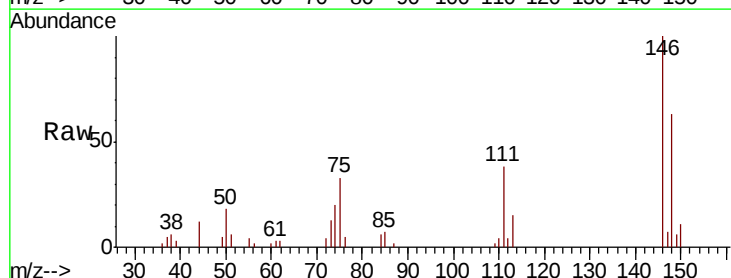
Tgt Ion:146 Resp: 8222

Ion Ratio Lower Upper

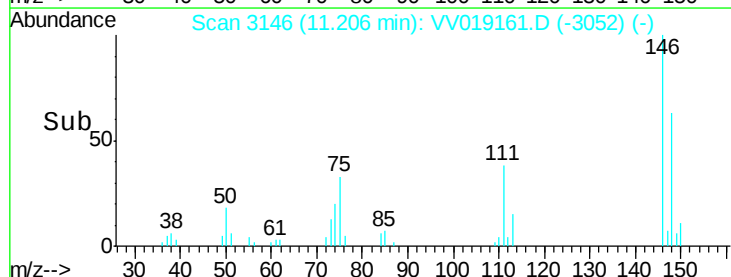
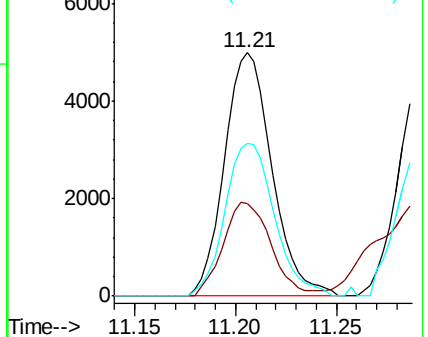
146 100

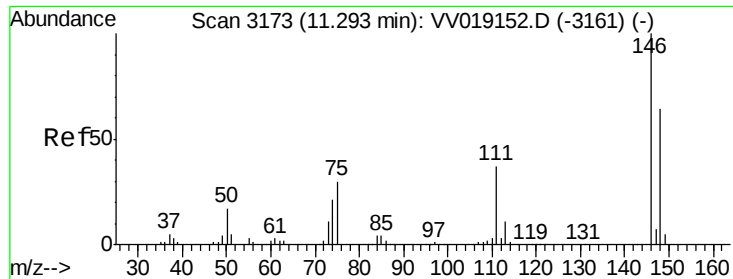
111 38.1 27.1 50.3

148 62.5 44.7 83.1



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: 2.510 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019161.D

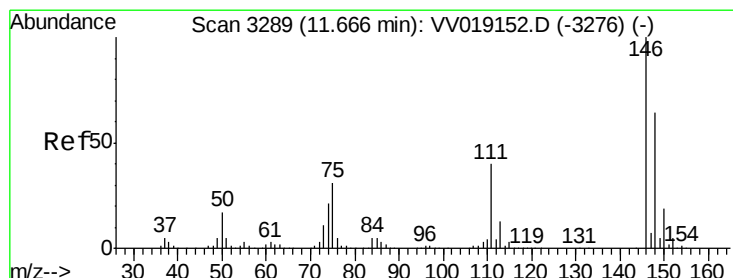
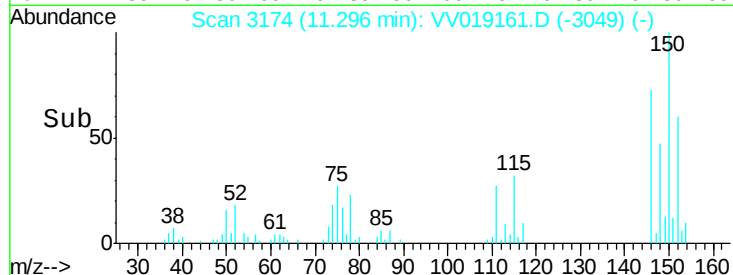
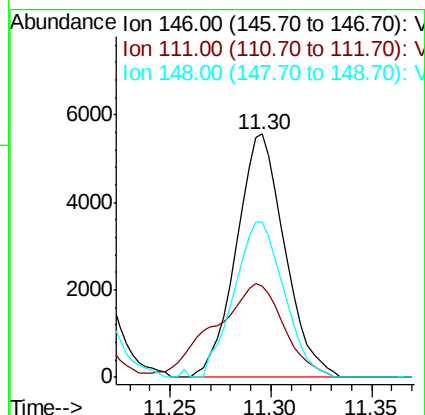
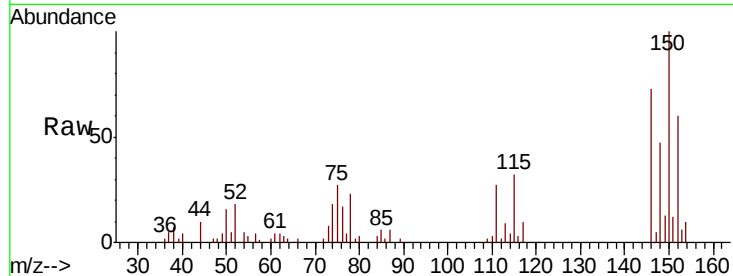
Acq: 29 Oct 2020 21:59

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	9365
Ion	Ratio	Lower Upper
146	100	
111	37.3	25.8 48.0
148	63.6	44.0 81.6



#65

1,2-Dichlorobenzene

Concen: 2.571 ug/L

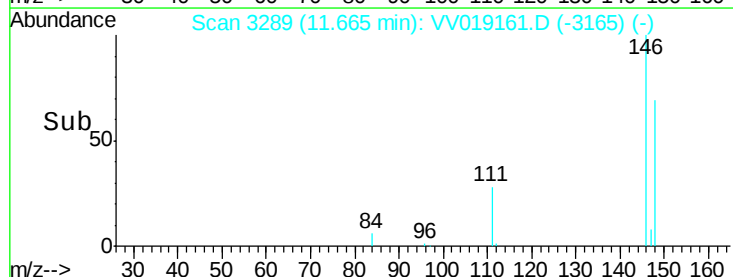
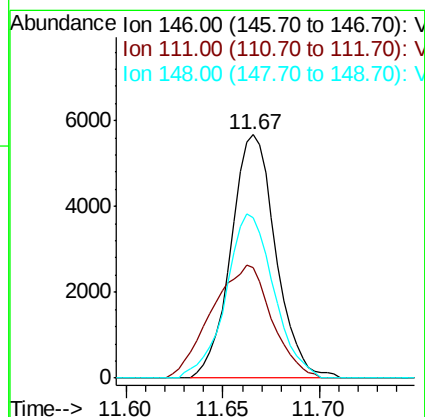
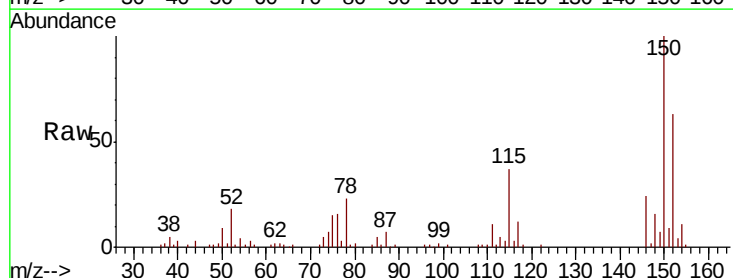
RT: 11.67 min Scan# 3289

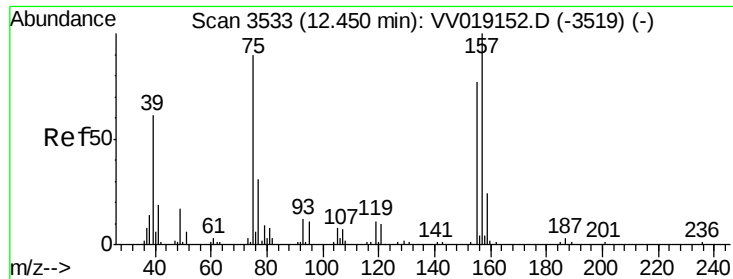
Delta R.T. -0.00 min

Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

Tgt Ion:146	Resp:	9145
Ion	Ratio	Lower Upper
146	100	
111	45.6	32.2 48.4
148	66.1	50.8 76.2

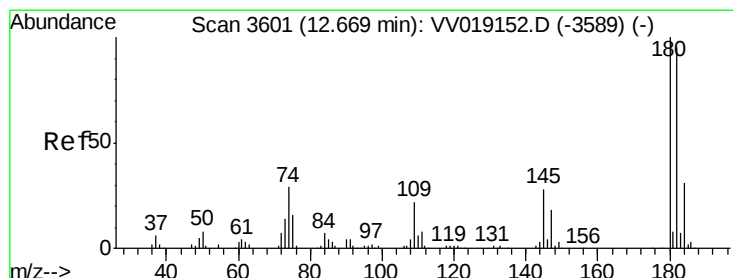
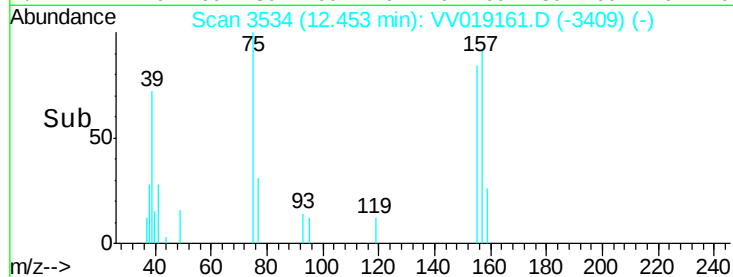
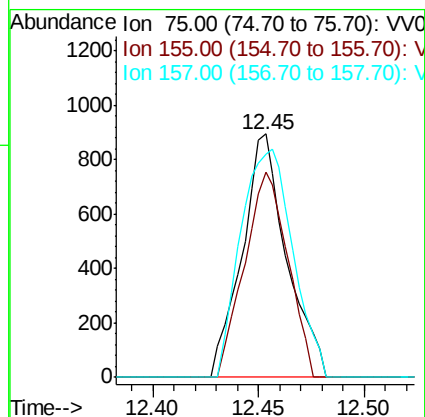
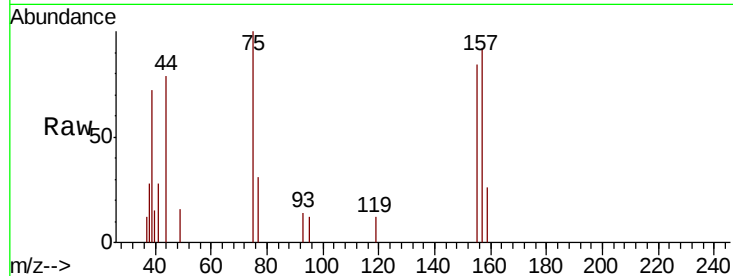




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.159 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

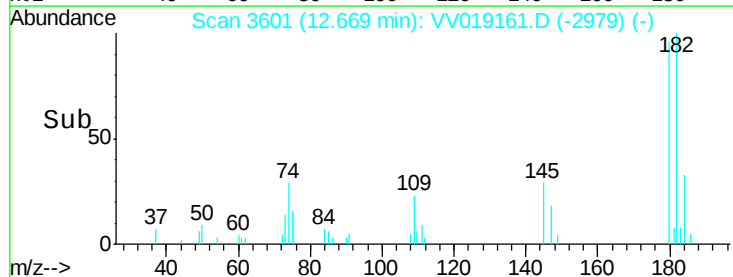
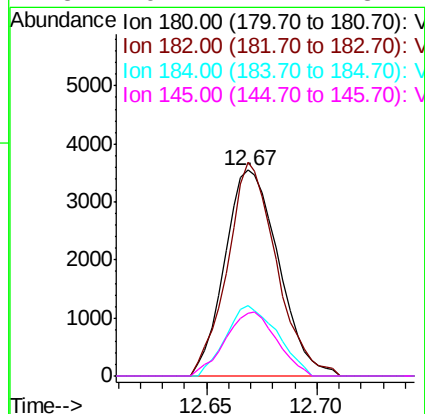
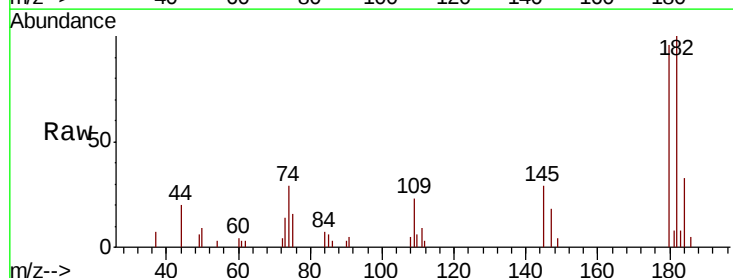
Instrument :
 MSVOA_V
 ClientSampleId :

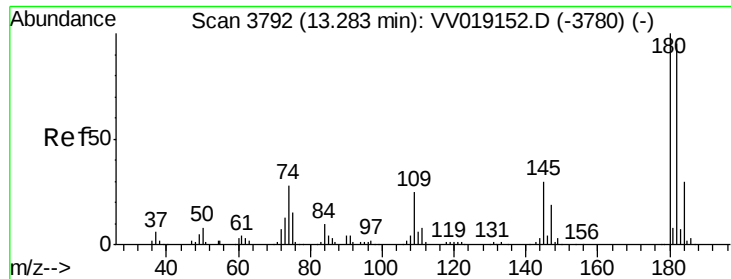
Tot Ion: 75 Resp: 1314
 Ion Ratio Lower Upper
 75 100
 155 84.2 71.1 106.7
 157 91.9 90.5 135.7



#67
 1,3,5-Trichlorobenzene
 Concen: 2.269 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

Tgt Ion: 180 Resp: 5996
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.1 114.1
 184 32.7 24.5 36.7
 145 29.7 22.7 34.1

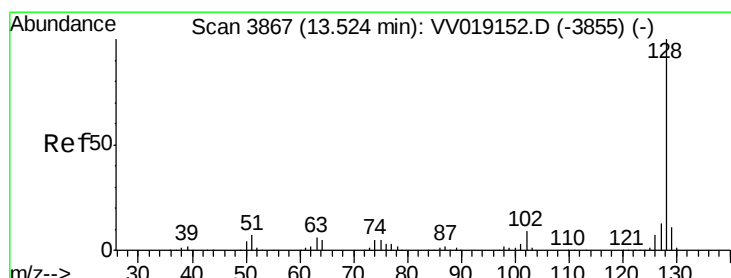
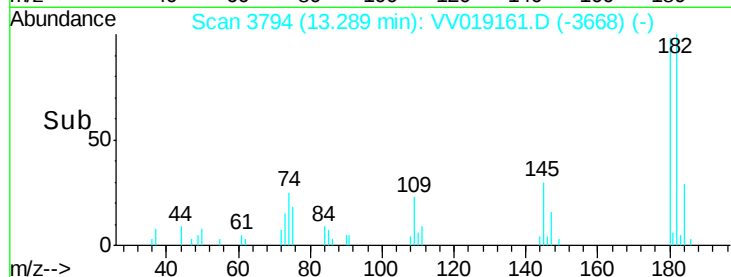
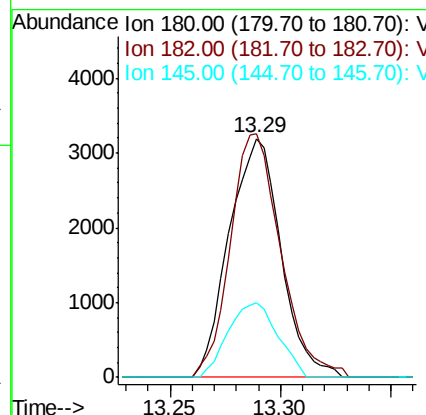
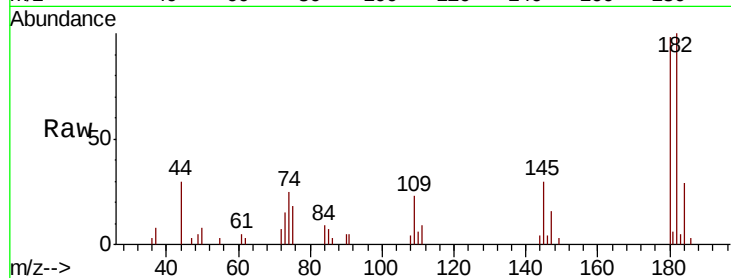




#68
 1,2,4-trichlorobenzene
 Concen: 2.102 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

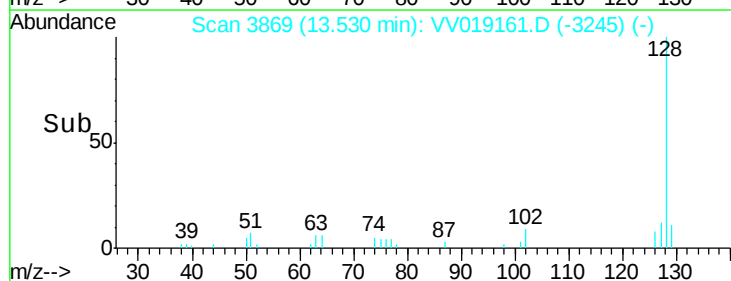
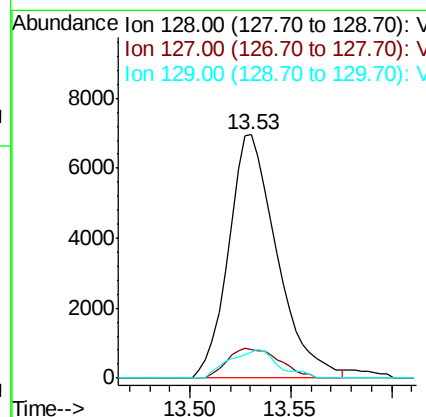
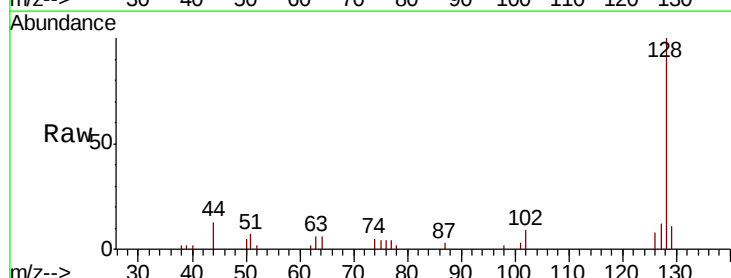
Instrument :
 MSVOA_V
 ClientSampleId :

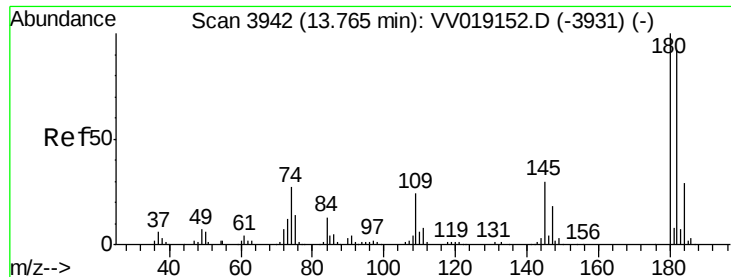
Tot Ion:180 Resp: 5204
 Ion Ratio Lower Upper
 180 100
 182 99.3 75.8 113.6
 145 29.9 22.6 34.0



#69
 Naphthalene
 Concen: 1.682 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV019161.D
 Acq: 29 Oct 2020 21:59

Tgt Ion:128 Resp: 11666
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.8 16.2
 129 11.7 8.6 13.0





#70

1,2,3-Trichlorobenzene

Concen: 2.100 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

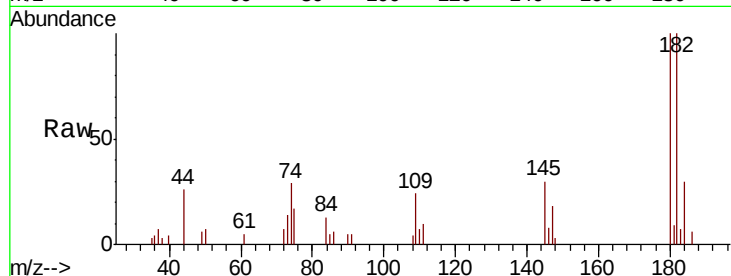
Lab File: VV019161.D

Acq: 29 Oct 2020 21:59

Instrument :

MSVOA_V

ClientSampleId :



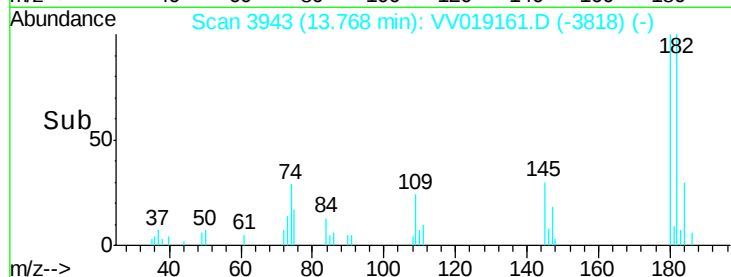
Tot Ion:180 Resp: 5089

Ion Ratio Lower Upper

180 100

182 93.7 76.2 114.4

145 31.5 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

