

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018695.D
 Acq On : 06 Oct 2020 17:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 07:17:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 06 02:11:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	268183	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	308612	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	160526	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93935	59.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	119.44%
7) Chloroethane-d5	1.58	69	76743	59.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.02%
11) 1,1-Dichloroethene-d2	2.12	63	188454	58.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	117.62%
21) 2-Butanone-d5	3.91	46	118302	100.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.84%
24) Chloroform-d	4.37	84	179741	52.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.70%
26) 1,2-Dichloroethane-d4	5.05	65	120891	55.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.98%
32) Benzene-d6	5.07	84	336259	43.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.04%
36) 1,2-Dichloropropane-d6	6.09	67	102182	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.52%
41) Toluene-d8	7.33	98	373661	50.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.62%
43) trans-1,3-Dichloropropene-	7.64	79	64075	50.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.44%
47) 2-Hexanone-d5	8.11	63	83595	93.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.18%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	155482	49.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	152862	49.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	81603	44.751	ug/L	97
3) Chloromethane	1.25	50	102209	52.383	ug/L	99
5) Vinyl chloride	1.32	62	109074	53.170	ug/L	99
6) Bromomethane	1.53	94	74025	53.019	ug/L	99
8) Chloroethane	1.60	64	69319	54.834	ug/L	99
9) Trichlorofluoromethane	1.76	101	170297	54.620	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96287	55.177	ug/L	95
12) 1,1-Dichloroethene	2.13	96	89244	53.308	ug/L	96
13) Acetone	2.20	43	128506	126.781	ug/L	98
14) Carbon disulfide	2.31	76	246088	45.377	ug/L	100
15) Methyl Acetate	2.45	43	90071	46.125	ug/L	100
16) Methylene chloride	2.52	84	96001	47.778	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	90032	46.998	ug/L	95
18) Methyl tert-butyl Ether	2.78	73	283203	48.522	ug/L	97
19) 1,1-Dichloroethane	3.21	63	165479	49.336	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	97917	48.096	ug/L	94
22) 2-Butanone	4.00	43	136769	106.814	ug/L	98

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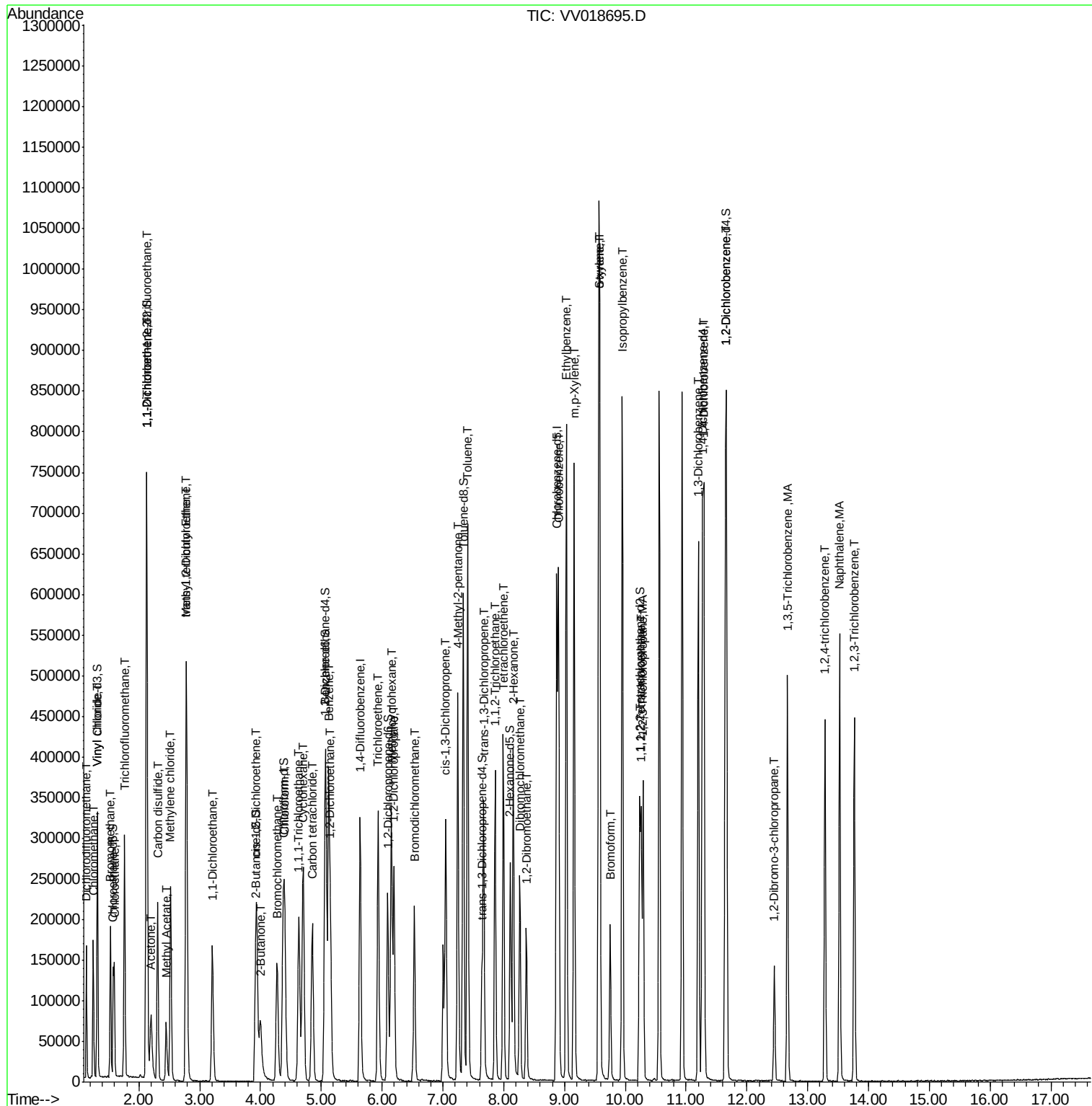
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	51707	46.187	ug/L	96
25) Chloroform	4.40	83	179406	50.656	ug/L	98
27) 1,2-Dichloroethane	5.15	62	144358	52.294	ug/L	98
29) Cyclohexane	4.70	56	140211	39.835	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	161688	42.202	ug/L	98
31) Carbon tetrachloride	4.85	117	142478	41.436	ug/L	99
33) Benzene	5.12	78	363841	40.130	ug/L	100
34) Trichloroethene	5.94	95	108914	41.378	ug/L	98
35) Methylcyclohexane	6.15	83	133188	37.509	ug/L	96
37) 1,2-Dichloropropane	6.19	63	94421	40.591	ug/L	99
38) Bromodichloromethane	6.53	83	138224	44.370	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	175926	48.204	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	309748	103.195	ug/L	97
42) Toluene	7.41	91	483839	49.330	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	180747	50.416	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	112020	48.646	ug/L	98
46) Tetrachloroethene	7.99	164	92571	43.350	ug/L	96
48) 2-Hexanone	8.16	43	246358	105.194	ug/L	97
49) Dibromochloromethane	8.26	129	125621	47.696	ug/L	99
50) 1,2-Dibromoethane	8.37	107	119081	48.637	ug/L	99
51) Chlorobenzene	8.90	112	317534	47.855	ug/L	98
52) Ethylbenzene	9.03	91	534189	48.769	ug/L	99
53) m,p-Xylene	9.16	106	208029	49.143	ug/L	97
54) o-xylene	9.56	106	193864	48.372	ug/L	97
55) Styrene	9.58	104	348037	49.874	ug/L	96
56) Isopropylbenzene	9.95	105	510798	47.523	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	151910	46.802	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	139103	49.163	ug/L	99
61) Bromoform	9.75	173	83168	45.104	ug/L #	97
62) 1,3-Dichlorobenzene	11.20	146	253907	48.874	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	260278	48.653	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	252288	49.088	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	32351	46.110	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	142751	39.668	ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	124915	37.303	ug/L	99
69) Naphthalene	13.52	128	403582	42.103	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	128360	38.184	ug/L	98

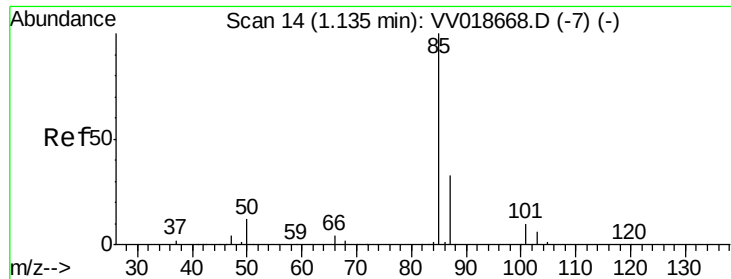
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.751 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

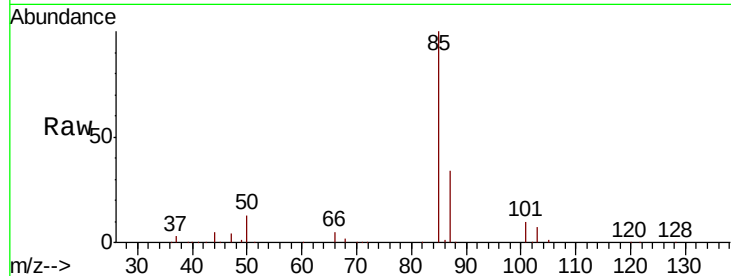
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 81603

Ion Ratio Lower Upper

85 100

87 33.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018668.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018668.D (-7) (-)

1.14

100000

80000

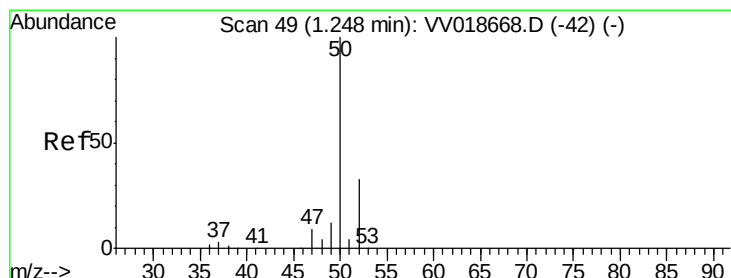
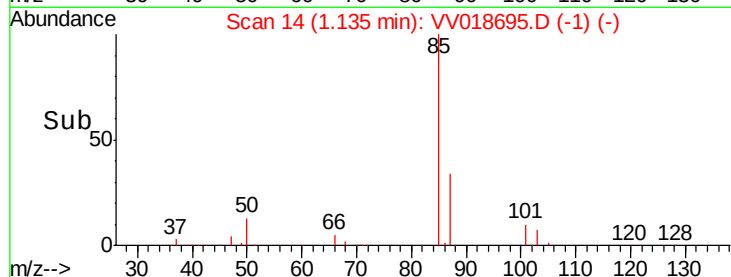
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 52.383 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018695.D

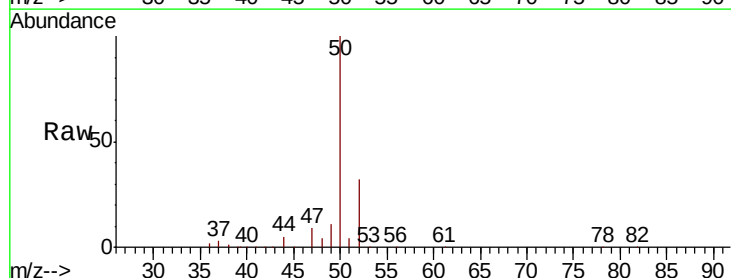
Acq: 06 Oct 2020 17:52

Tgt Ion: 50 Resp: 102209

Ion Ratio Lower Upper

50 100

52 32.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018668.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018668.D (-42) (-)

1.25

120000

100000

80000

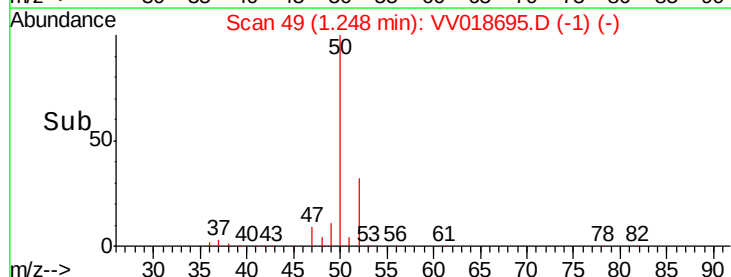
60000

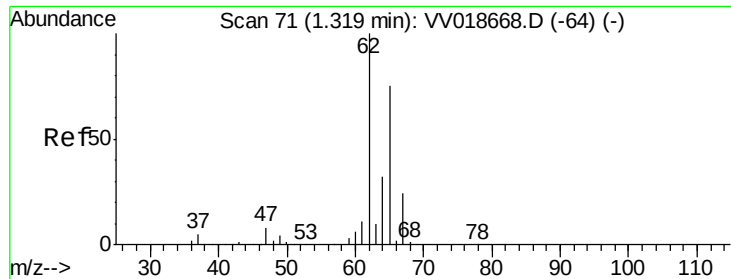
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 53.170 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Instrument :

MSVOA_V

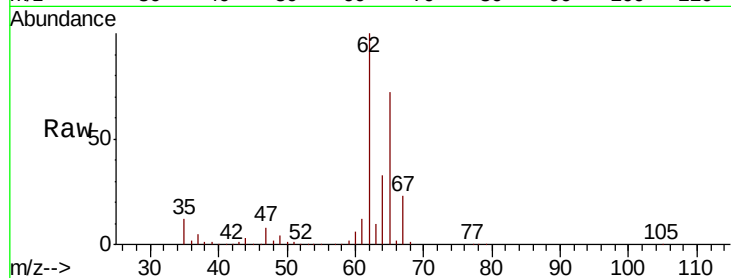
ClientSampled :

Tot Ion: 62 Resp: 109074

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV018668.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV018695.D (-1) (-)

120000

100000

80000

60000

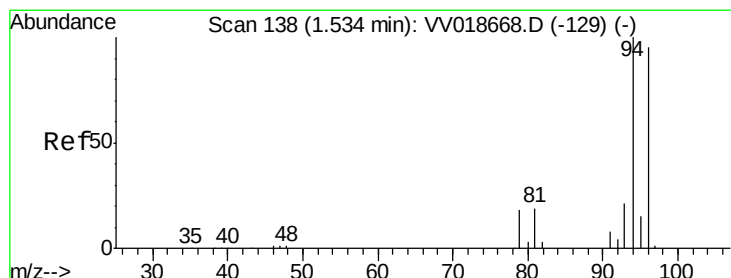
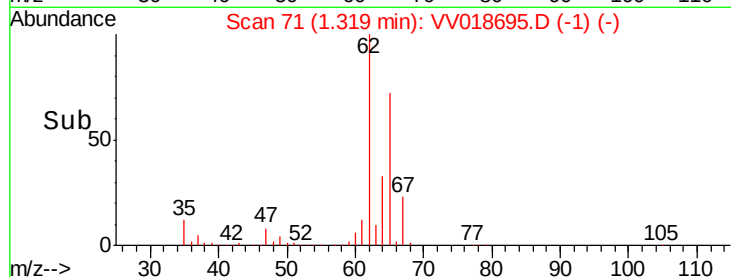
40000

20000

0

1.30 1.32 1.35

Time-->



#6

Bromomethane

Concen: 53.019 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018695.D

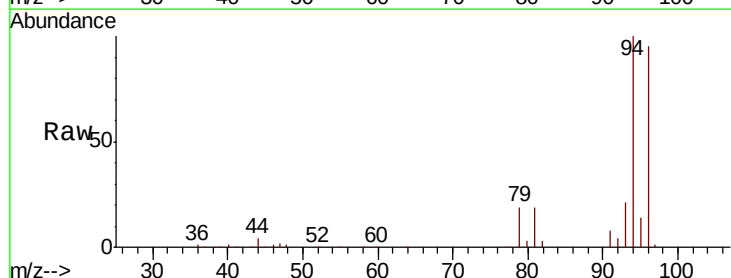
Acq: 06 Oct 2020 17:52

Tgt Ion: 94 Resp: 74025

Ion Ratio Lower Upper

94 100

96 95.3 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV018668.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV018695.D (-45) (-)

60000

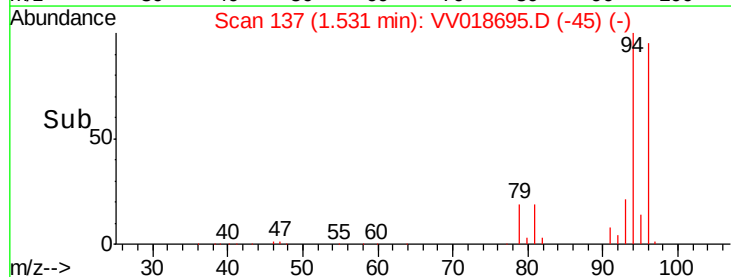
40000

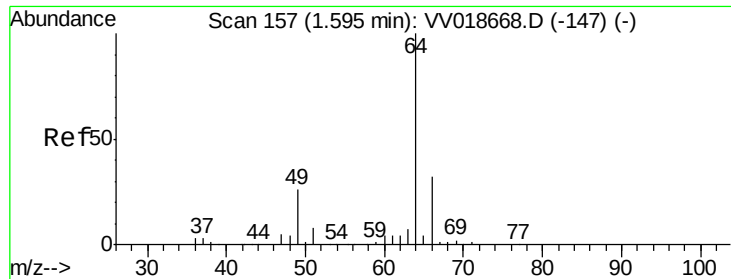
20000

0

1.50 1.53 1.60

Time-->





#8

Chloroethane

Concen: 54.834 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

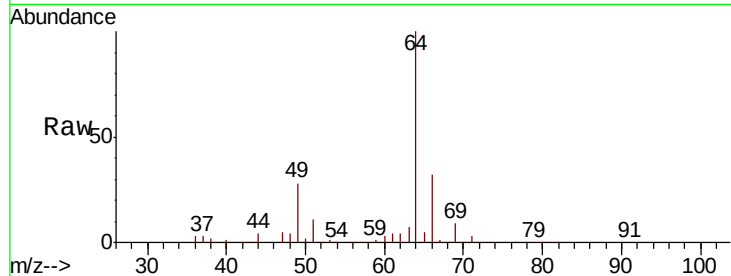
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 69319

Ion Ratio Lower Upper

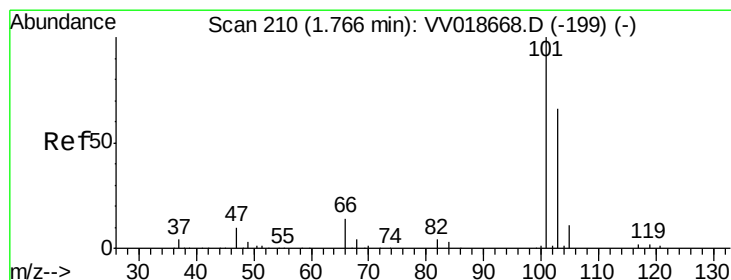
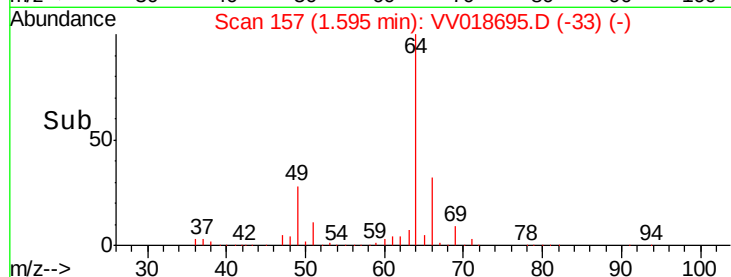
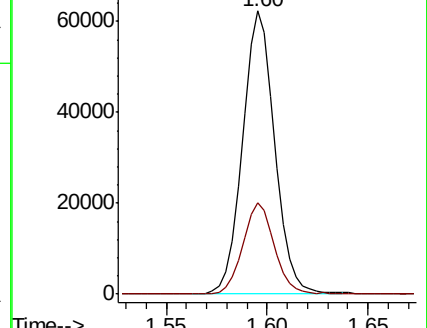
64 100

66 32.2 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV018668.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV018668.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 54.620 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018695.D

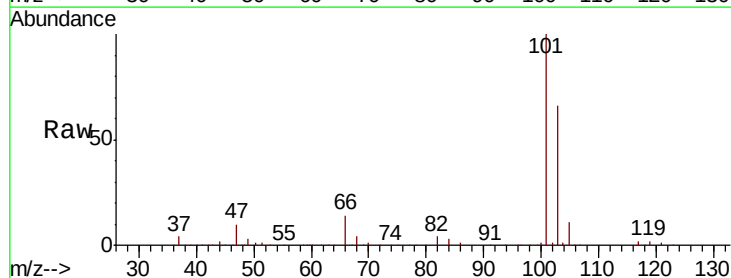
Acq: 06 Oct 2020 17:52

Tgt Ion: 101 Resp: 170297

Ion Ratio Lower Upper

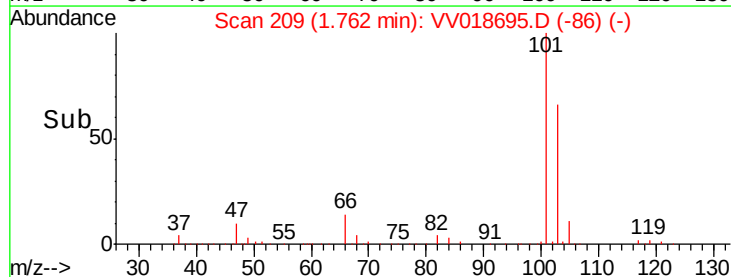
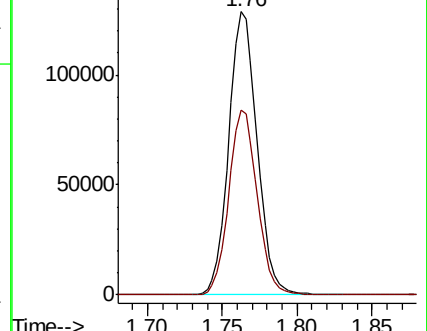
101 100

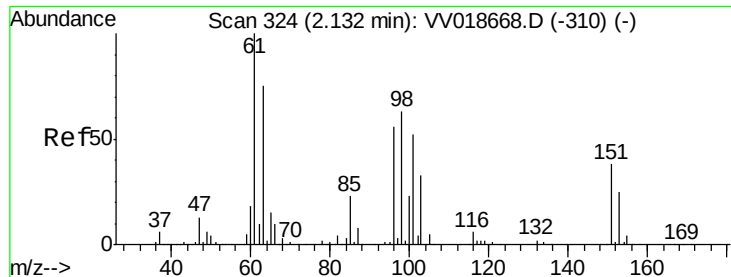
103 65.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018668.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018668.D (-199) (-)





#10

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

Concen: 55.177 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Instrument :

MSVOA_V

ClientSampleId :

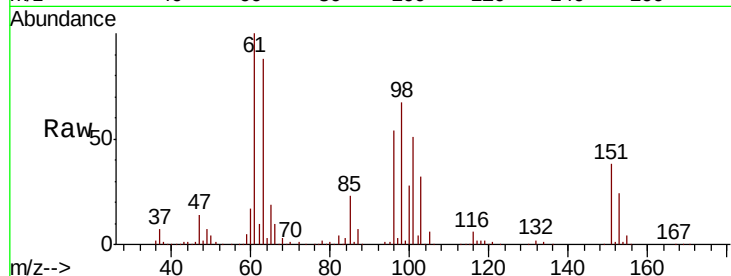
Tot Ion:101 Resp: 96287

Ion Ratio Lower Upper

101 100

85 45.1 34.6 52.0

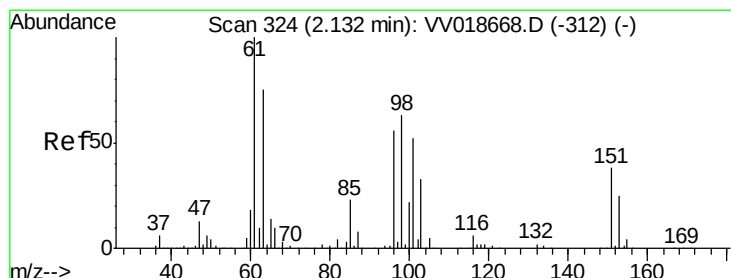
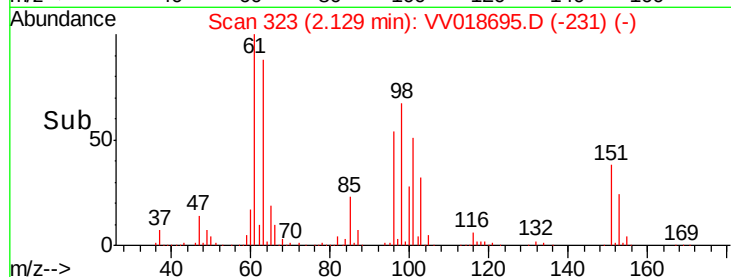
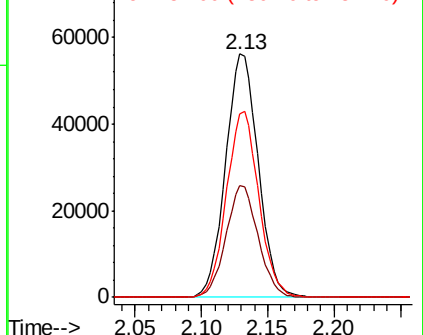
151 75.4 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.308 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

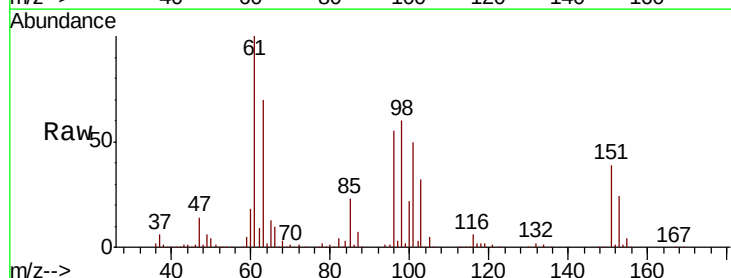
Tgt Ion: 96 Resp: 89244

Ion Ratio Lower Upper

96 100

61 180.8 122.8 228.1

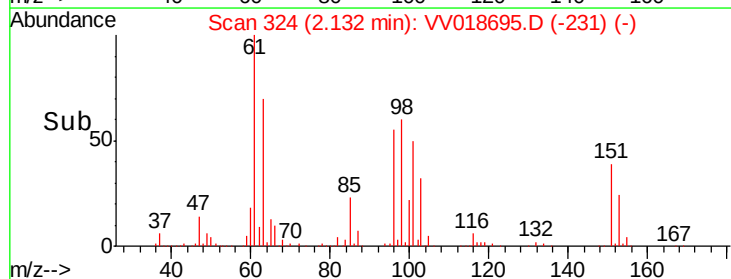
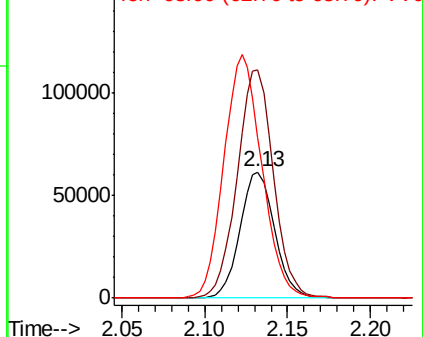
63 127.4 91.9 170.7

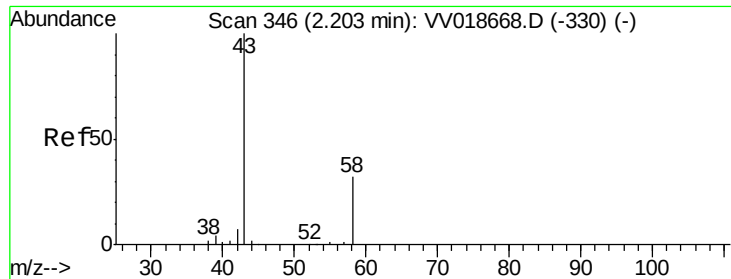


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 126.781 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

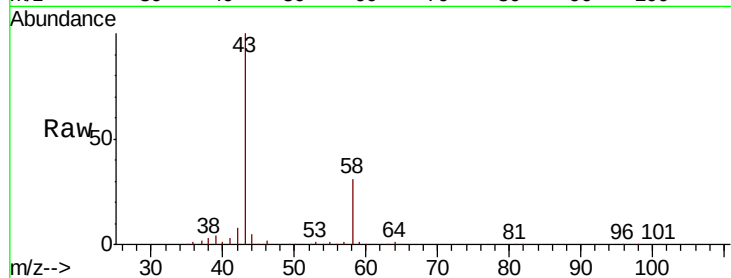
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 128506

Ion Ratio Lower Upper

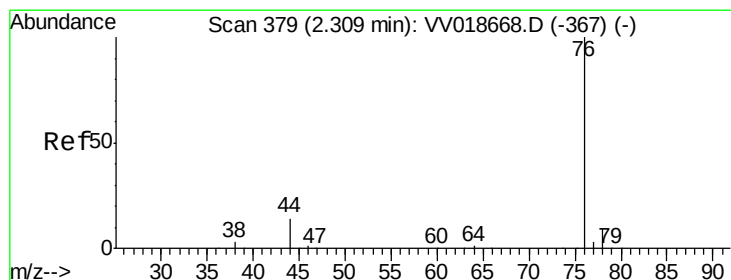
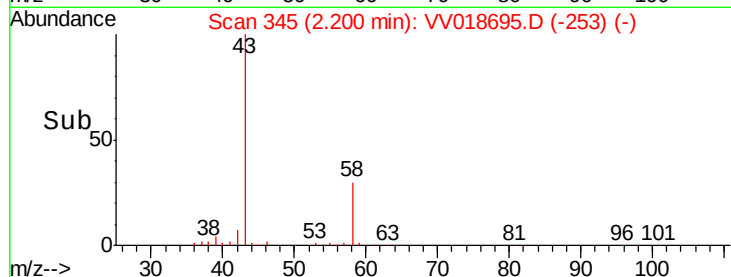
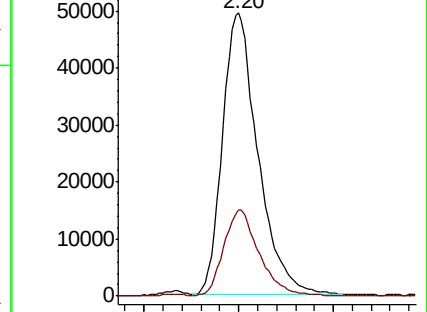
43 100

58 30.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV018668.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV018668.D (-330) (-)



#14

Carbon disulfide

Concen: 45.377 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018695.D

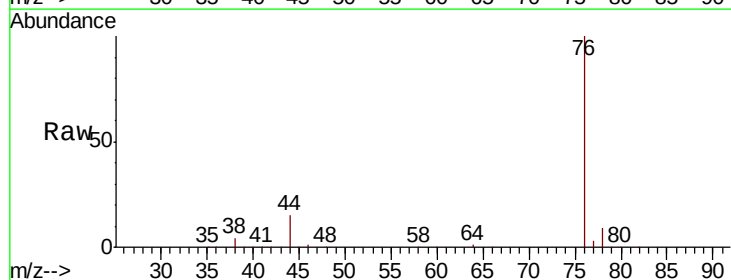
Acq: 06 Oct 2020 17:52

Tgt Ion: 76 Resp: 246088

Ion Ratio Lower Upper

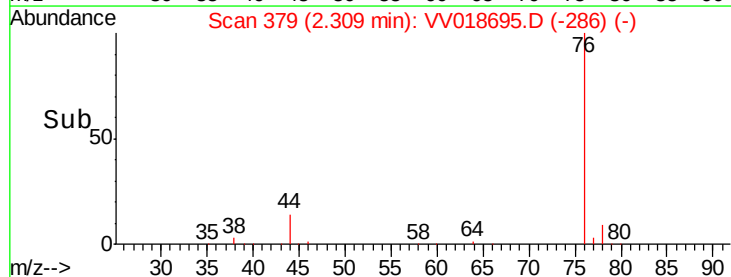
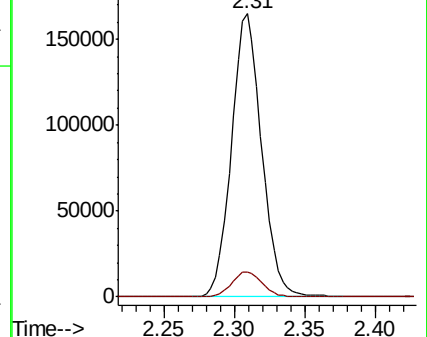
76 100

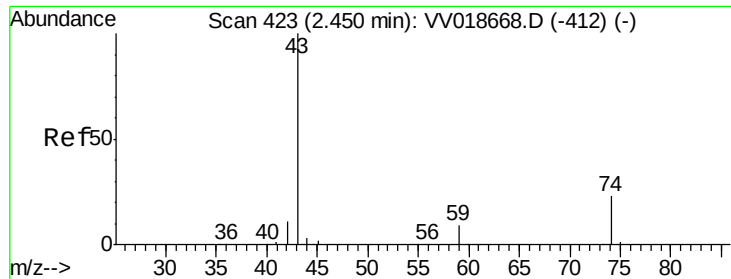
78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018668.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018668.D (-367) (-)

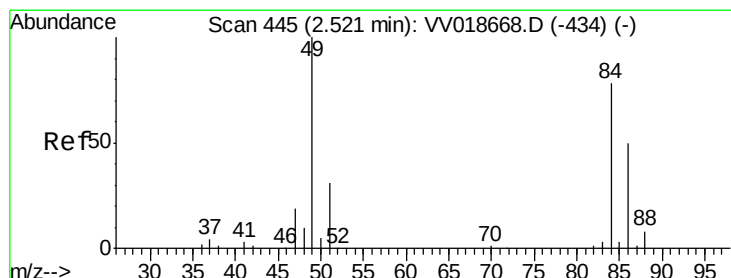
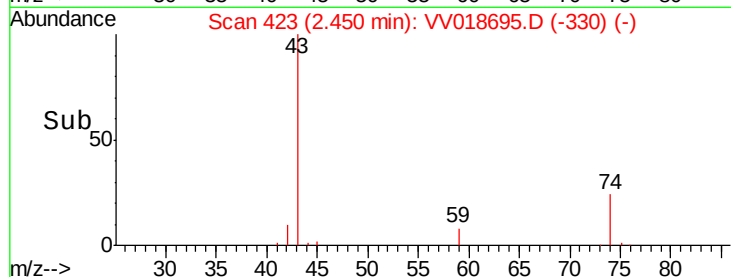
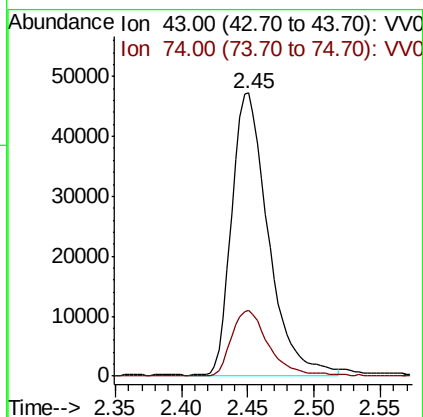
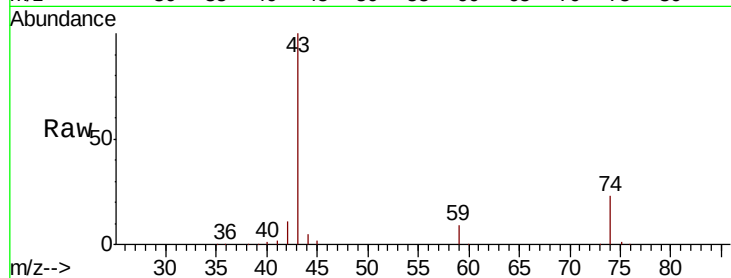




#15
Methvl Acetate
Concen: 46.125 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

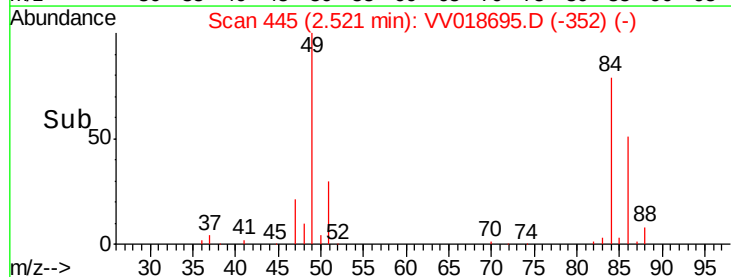
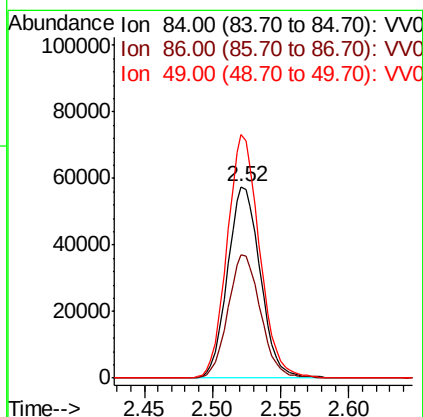
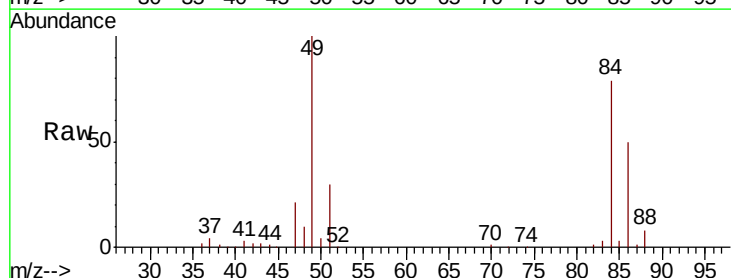
Instrument :
MSVOA_V
ClientSampled :

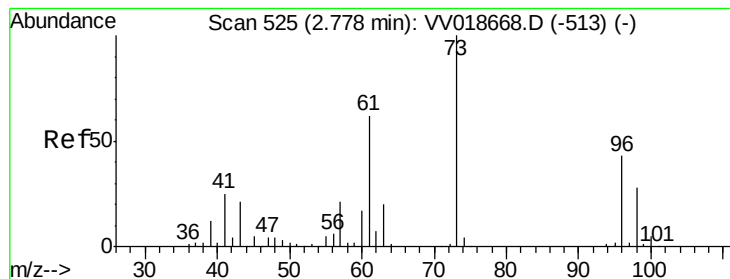
Tot Ion: 43 Resp: 90071
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#16
Methylene chloride
Concen: 47.778 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

Tgt Ion: 84 Resp: 96001
Ion Ratio Lower Upper
84 100
86 64.2 46.2 85.8
49 127.3 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 46.998 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Instrument :
MSVOA_V
ClientSampled :

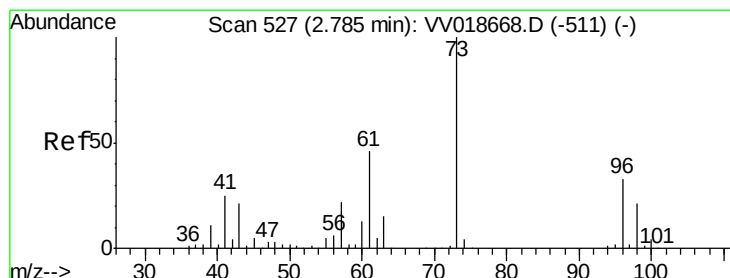
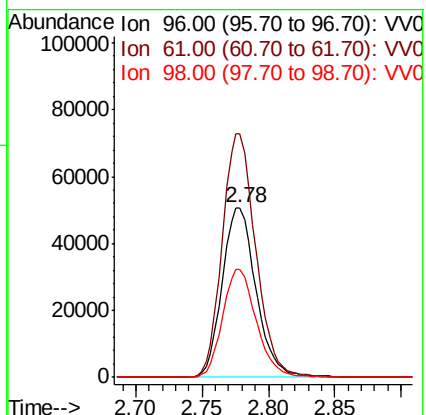
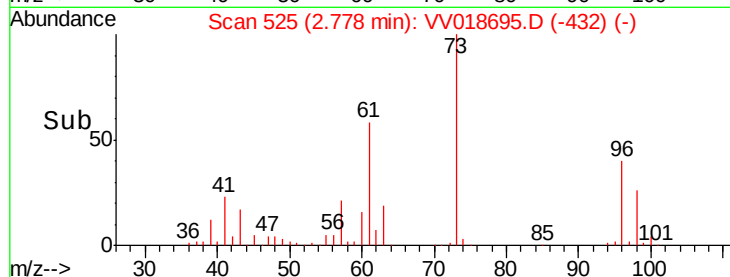
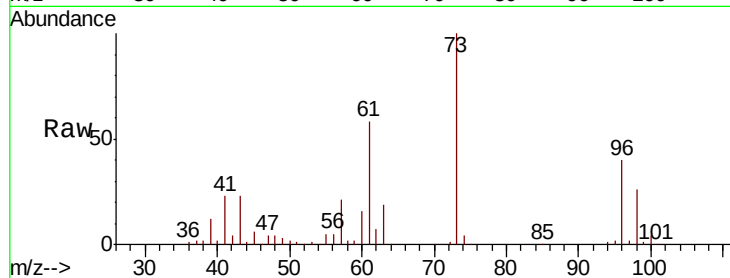
Tot Ion: 96 Resp: 90032

Ion Ratio Lower Upper

96 100

61 143.7 95.0 176.4

98 64.0 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 48.522 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

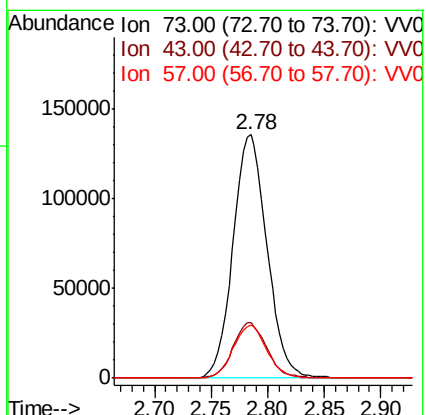
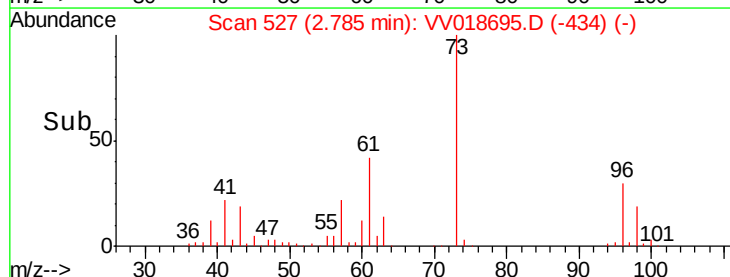
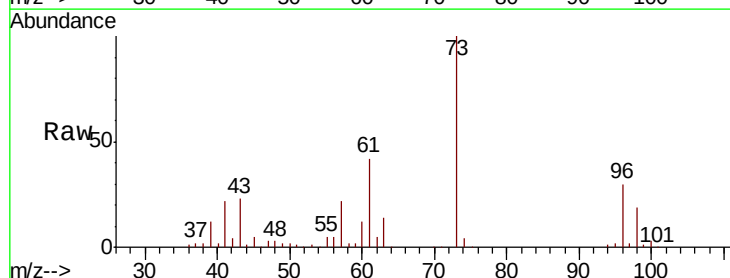
Tgt Ion: 73 Resp: 283203

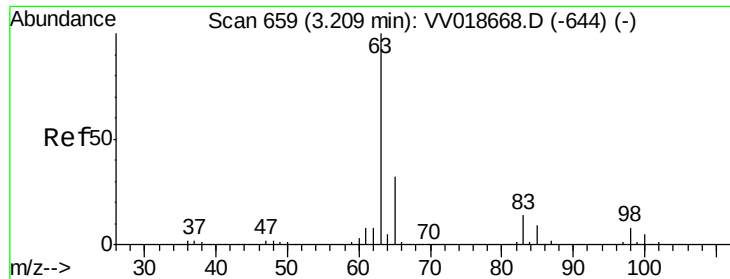
Ion Ratio Lower Upper

73 100

43 22.5 15.9 23.9

57 21.6 17.5 26.3

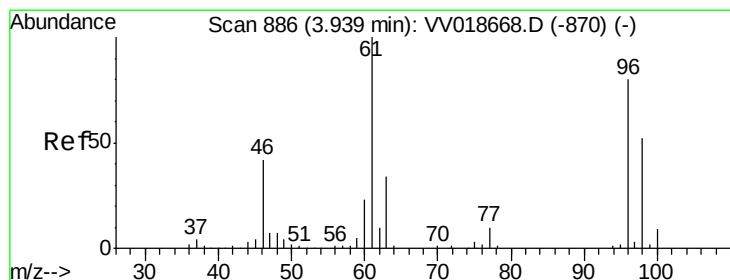
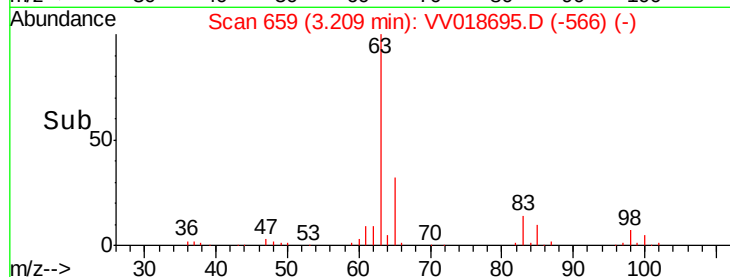
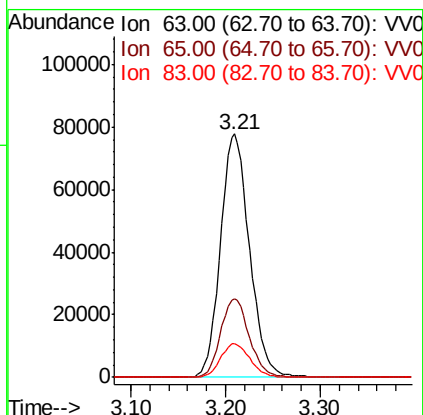
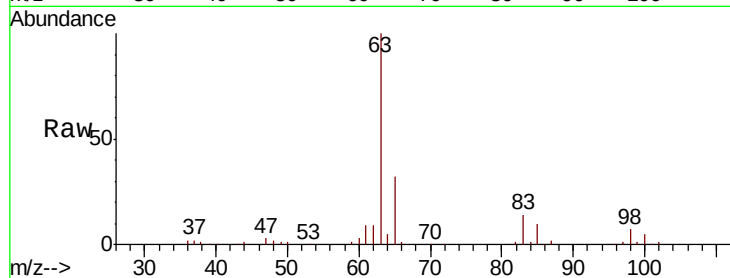




#19
 1,1-Dichloroethane
 Concen: 49.336 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018695.D
 Acq: 06 Oct 2020 17:52

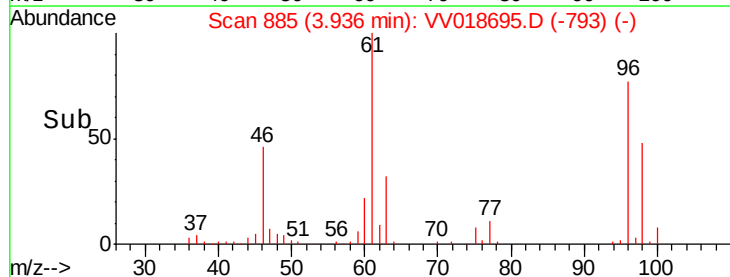
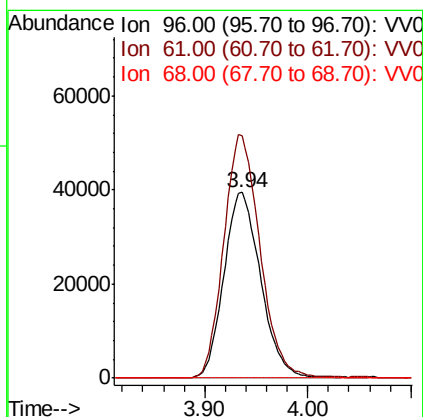
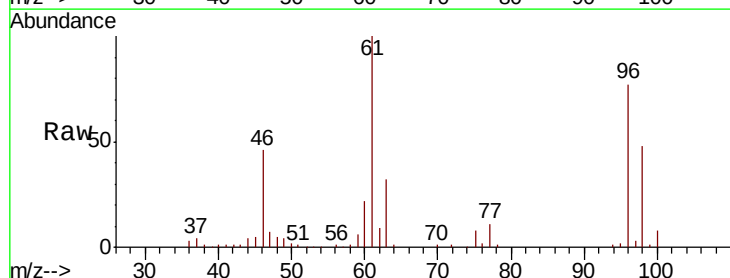
Instrument :
 MSVOA_V
 ClientSampled :

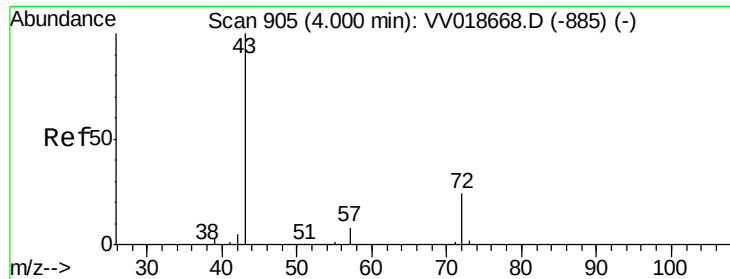
Tot Ion: 63 Resp: 165479
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.3 41.3
 83 14.0 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 48.096 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018695.D
 Acq: 06 Oct 2020 17:52

Tgt Ion: 96 Resp: 97917
 Ion Ratio Lower Upper
 96 100
 61 130.6 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.814 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

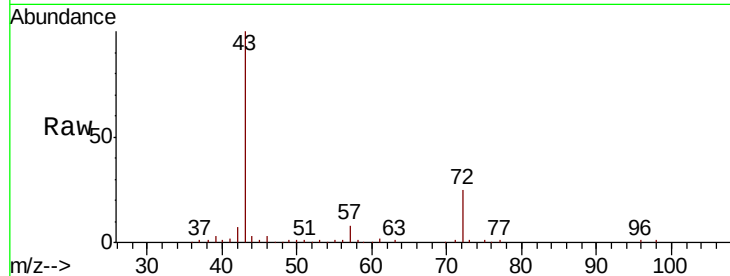
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 136769

Ion Ratio Lower Upper

43 100

72 23.1 12.1 36.3



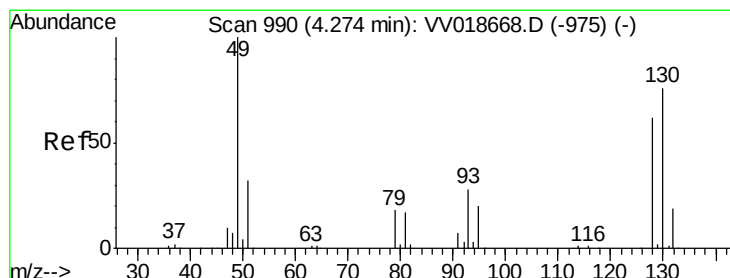
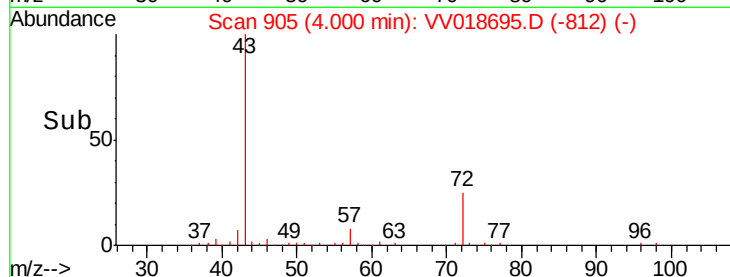
Abundance Ion 43.00 (42.70 to 43.70): VV018668.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV018668.D (-885) (-)

4.00

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 46.187 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Tgt Ion:128 Resp: 51707

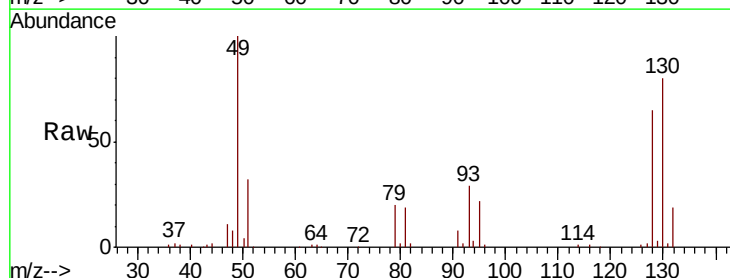
Ion Ratio Lower Upper

128 100

49 153.4 105.1 195.1

130 122.2 90.0 167.2

51 48.9 38.6 57.8



Abundance Ion 128.00 (127.70 to 128.70): VV018668.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV018668.D (-975) (-)

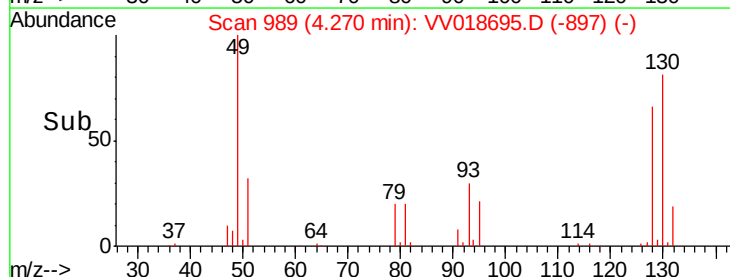
Ion 130.00 (129.70 to 130.70): VV018668.D (-975) (-)

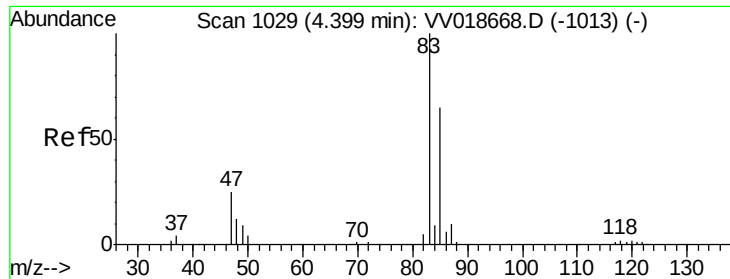
Ion 51.00 (50.70 to 51.70): VV018668.D (-975) (-)

4.27

4.20 4.25 4.30 4.35

Time-->

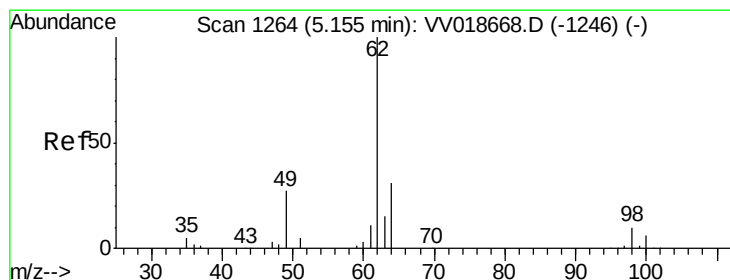
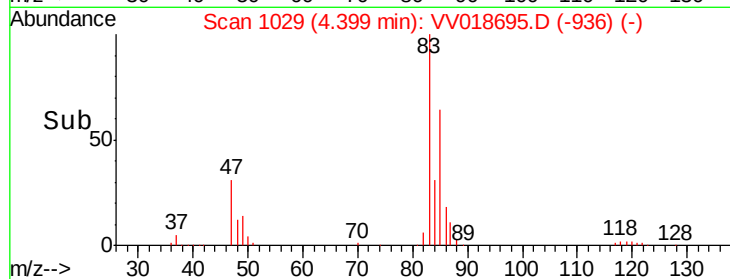
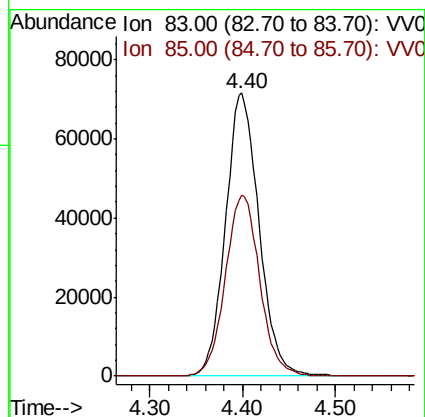
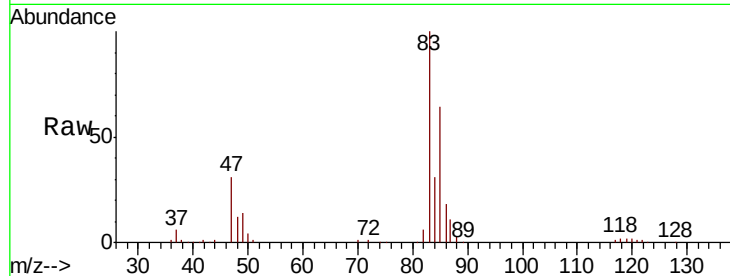




#25
Chloroform
Concen: 50.656 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

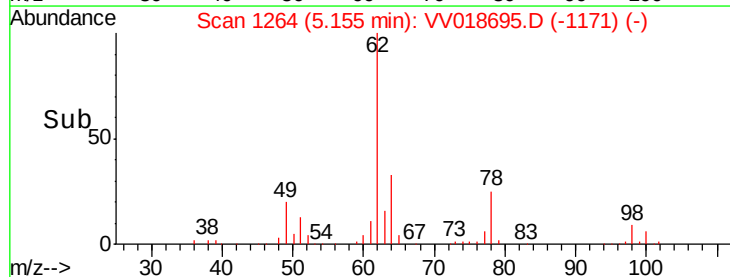
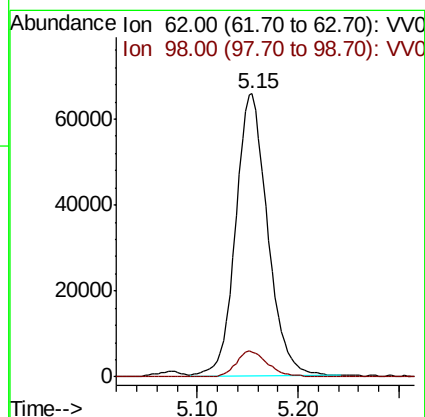
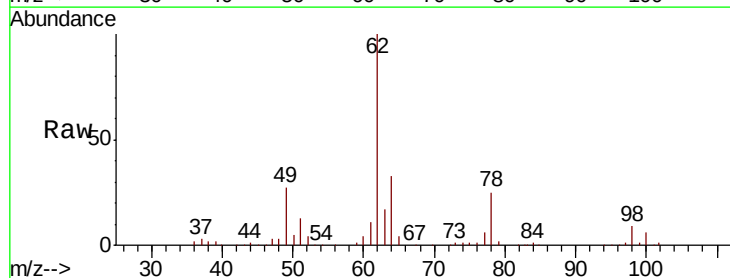
Instrument :
MSVOA_V
ClientSampleId :

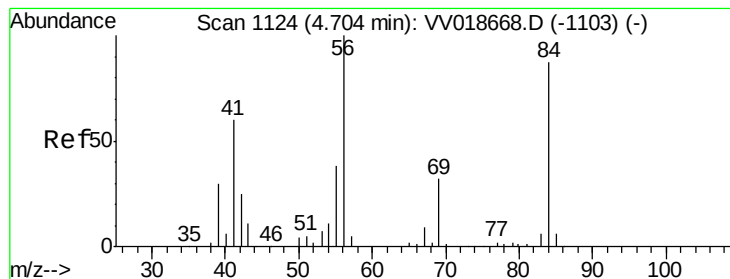
Tot Ion: 83 Resp: 179406
Ion Ratio Lower Upper
83 100
85 64.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 52.294 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

Tgt Ion: 62 Resp: 144358
Ion Ratio Lower Upper
62 100
98 8.9 7.7 11.5





#29

Cyclohexane

Concen: 39.835 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Instrument :
MSVOA_V
ClientSampleId :

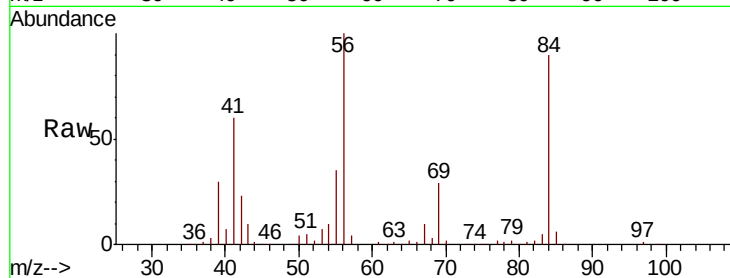
Tot Ion: 56 Resp: 140211

Ion Ratio Lower Upper

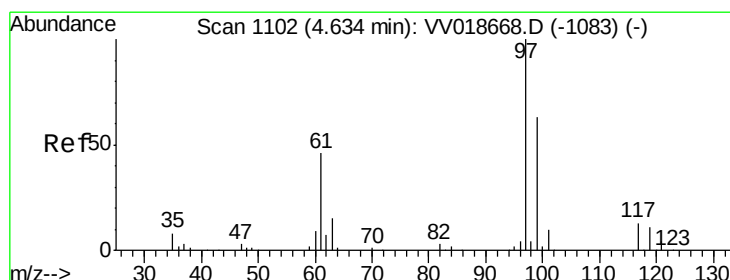
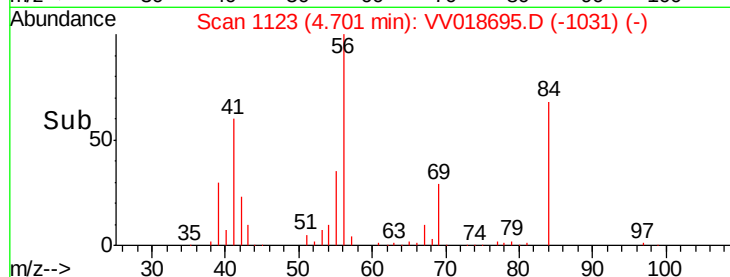
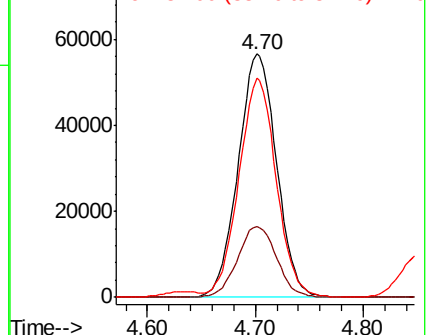
56 100

69 29.6 24.8 37.2

84 87.8 72.2 108.4



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



#30

1,1,1-Trichloroethane

Concen: 42.202 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

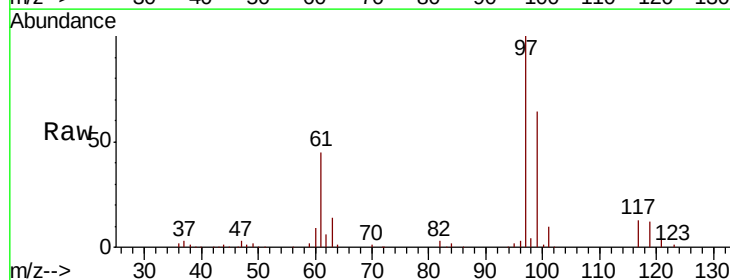
Tgt Ion: 97 Resp: 161688

Ion Ratio Lower Upper

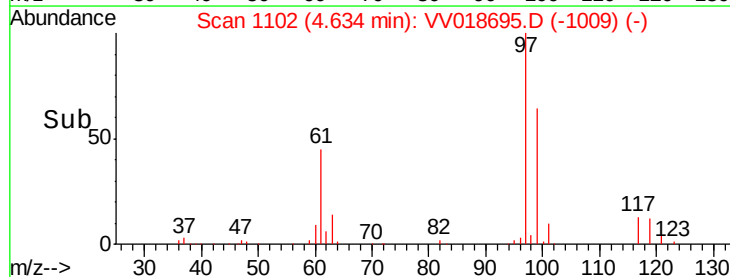
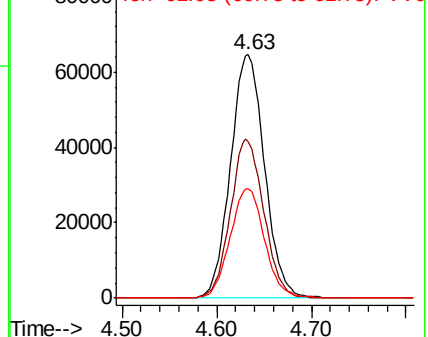
97 100

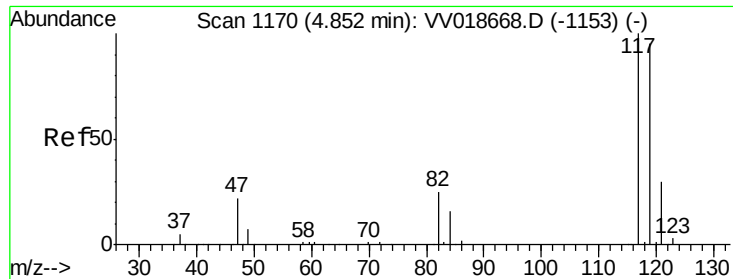
99 63.9 51.4 77.0

61 45.6 33.9 50.9



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

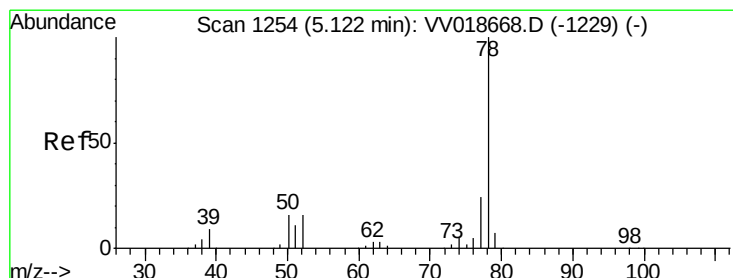
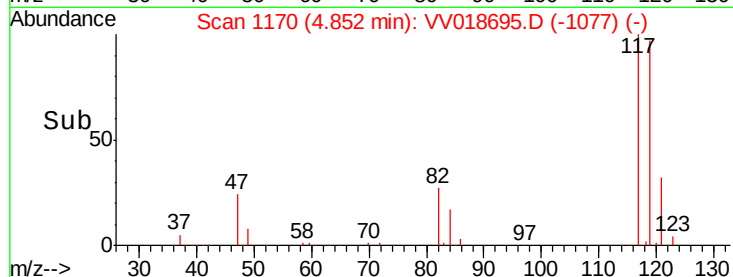
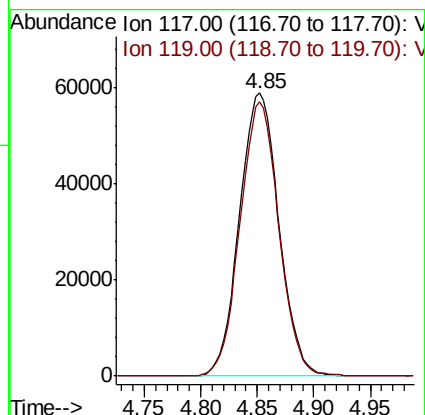
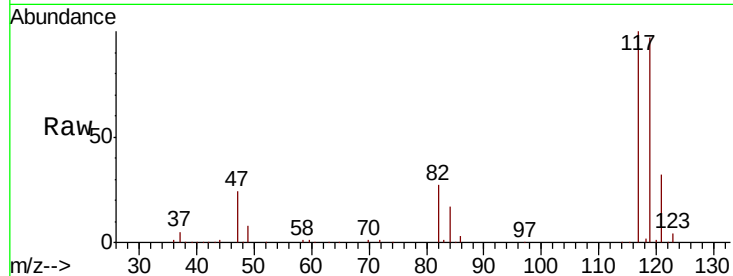




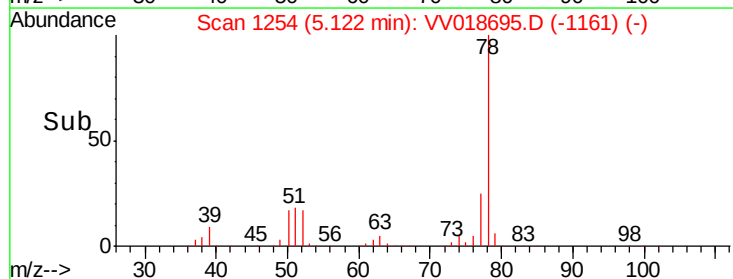
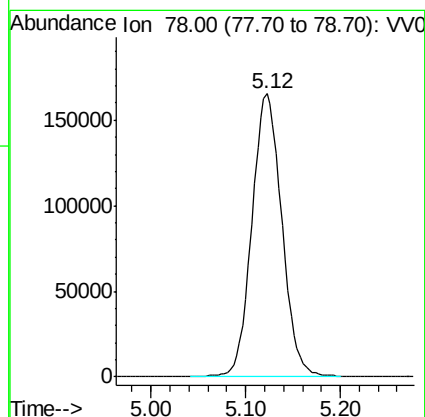
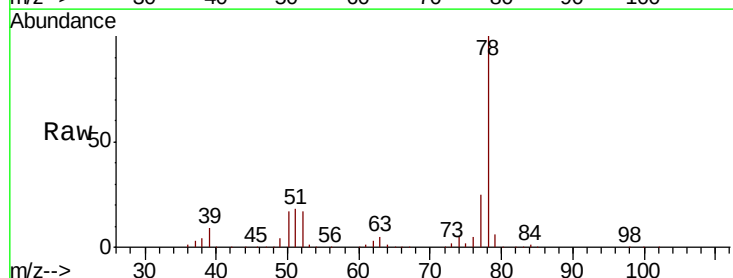
#31
Carbon tetrachloride
Concen: 41.436 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

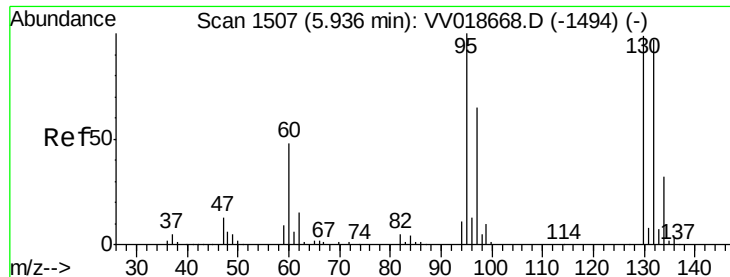
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 142478
Ion Ratio Lower Upper
117 100
119 95.3 77.0 115.6



#33
Benzene
Concen: 40.130 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52
Tgt Ion: 78 Resp: 363841





#34

Trichloroethene

Concen: 41.378 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 108914

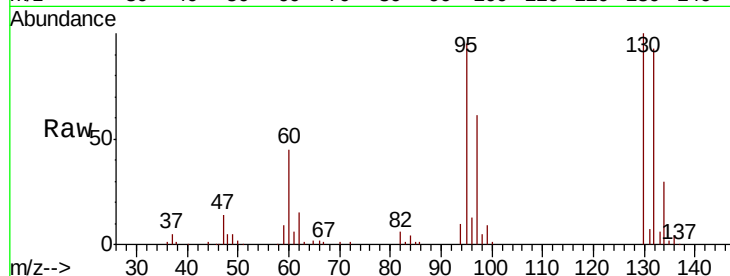
Ion Ratio Lower Upper

95 100

97 64.3 45.9 85.3

132 97.8 70.8 131.4

130 105.5 75.3 139.8

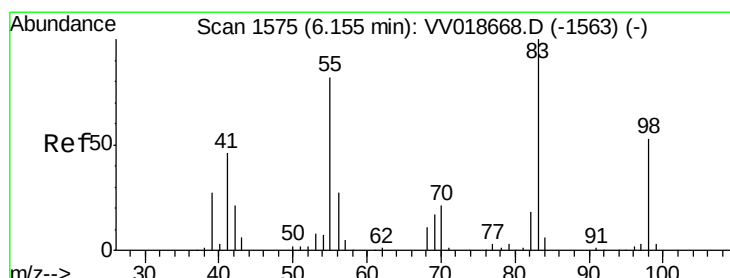
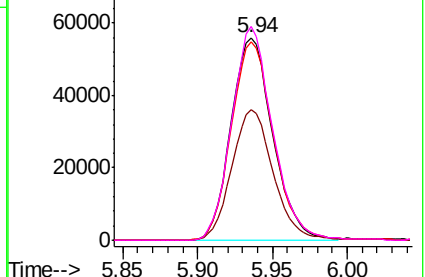
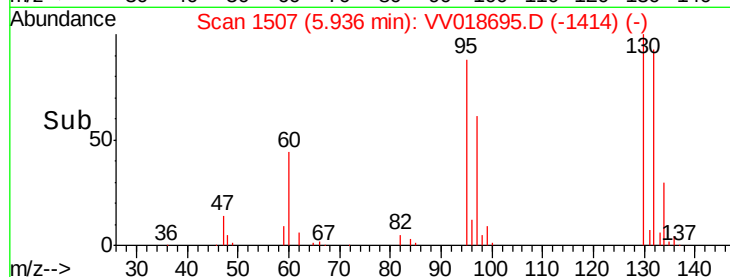


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 37.509 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

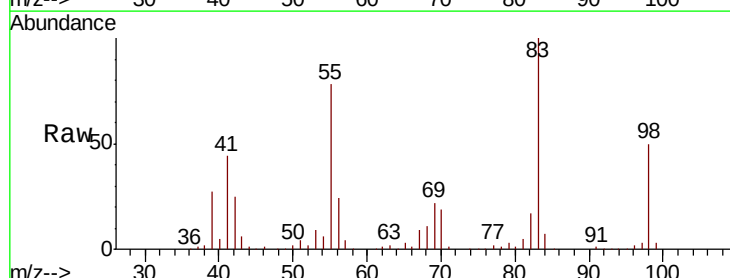
Tgt Ion: 83 Resp: 133188

Ion Ratio Lower Upper

83 100

55 79.1 60.1 90.1

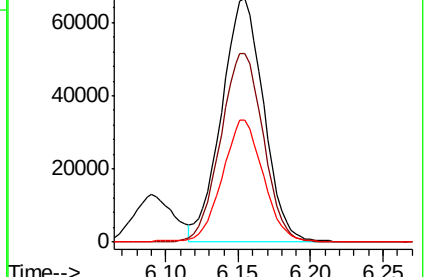
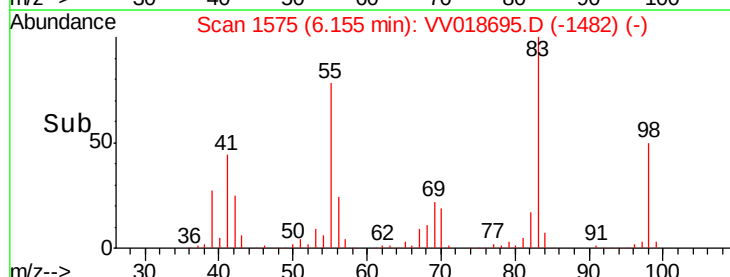
98 49.0 40.2 60.4

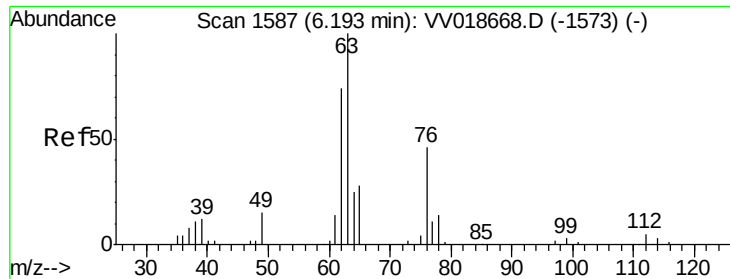


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

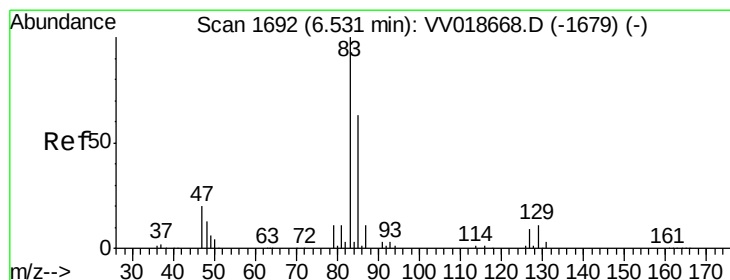
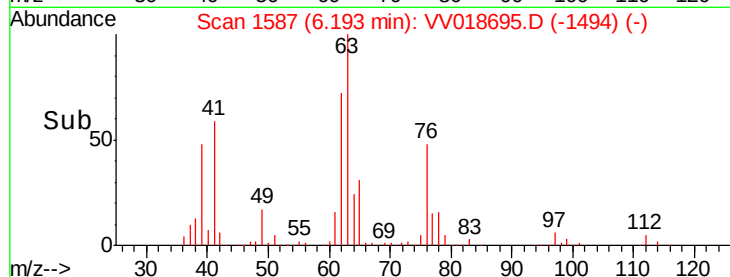
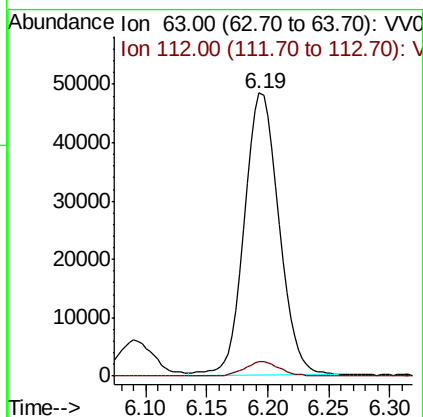
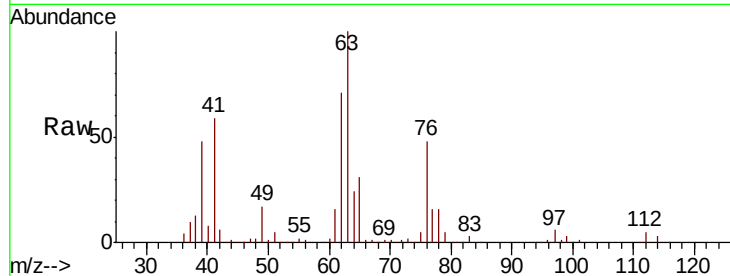




#37
 1,2-Dichloropropane
 Concen: 40.591 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018695.D
 Acq: 06 Oct 2020 17:52

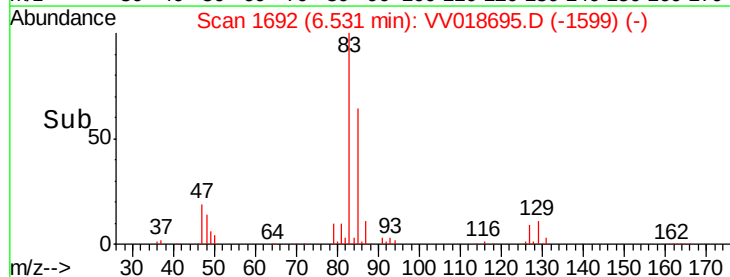
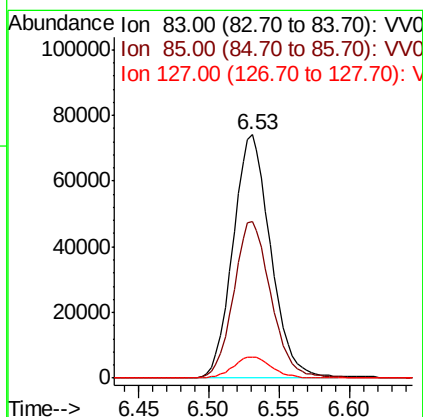
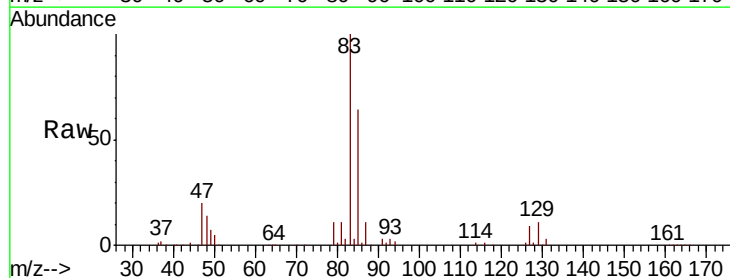
Instrument :
 MSVOA_V
 ClientSampleId :

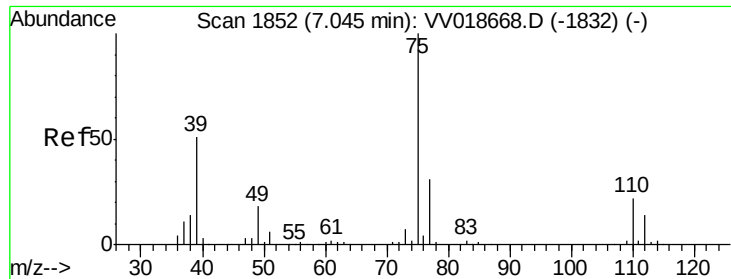
Tot Ion: 63 Resp: 94421
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.9 5.9



#38
 Bromodichloromethane
 Concen: 44.370 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018695.D
 Acq: 06 Oct 2020 17:52

Tgt Ion: 83 Resp: 138224
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.5 82.7
 127 8.8 7.2 10.8

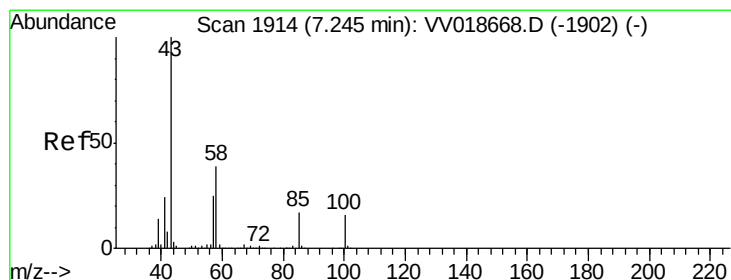
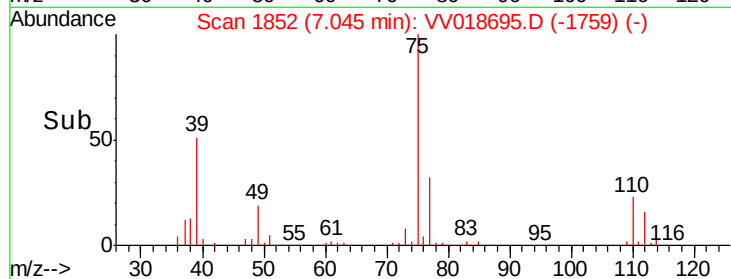
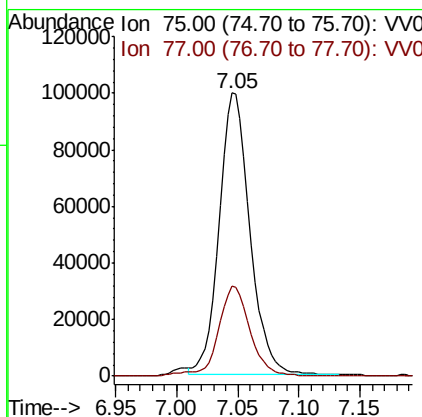
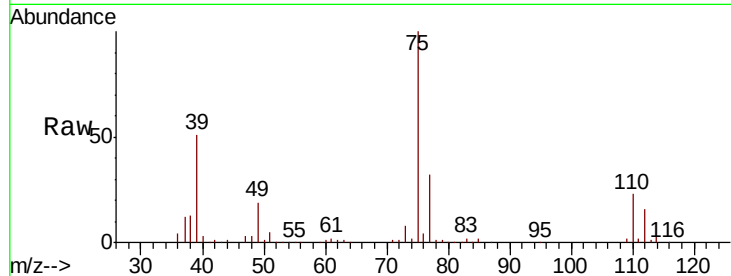




#39
 cis-1,3-Dichloropropene
 Concen: 48.204 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018695.D
 Acq: 06 Oct 2020 17:52

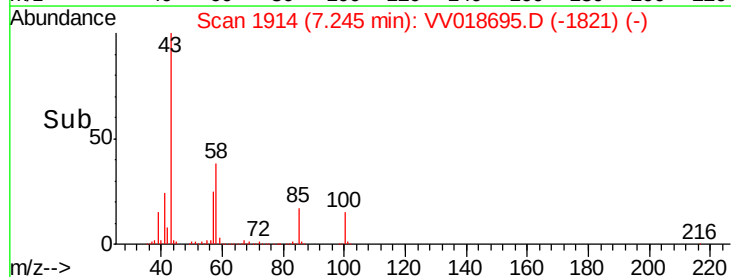
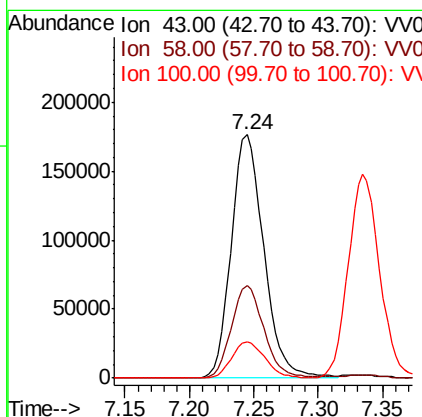
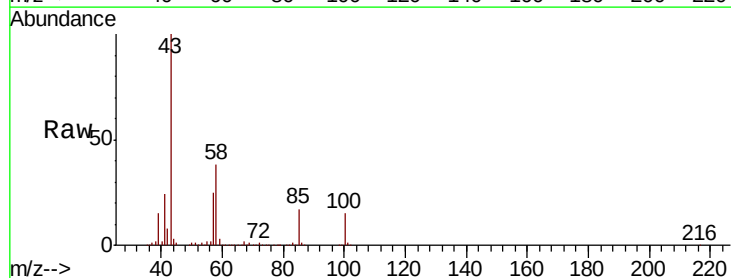
Instrument :
 MSVOA_V
 ClientSampled :

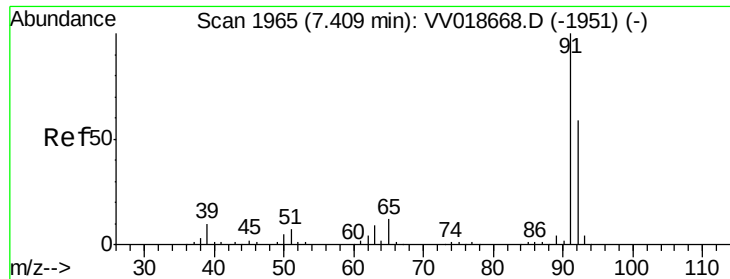
Tot Ion: 75 Resp: 175926
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 103.195 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018695.D
 Acq: 06 Oct 2020 17:52

Tgt Ion: 43 Resp: 309748
 Ion Ratio Lower Upper
 43 100
 58 38.0 31.8 47.6
 100 15.3 13.4 20.0





#42

Toluene

Concen: 49.330 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Instrument :

MSVOA_V

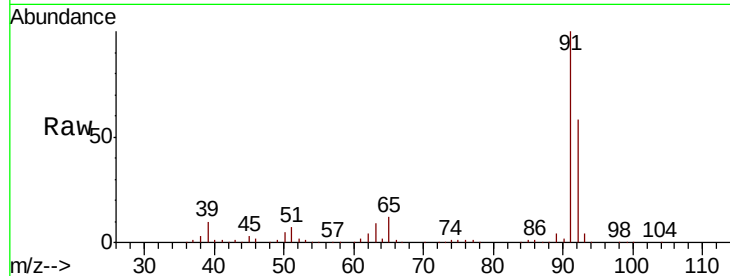
ClientSampleId :

Tot Ion: 91 Resp: 483839

Ion Ratio Lower Upper

91 100

92 57.9 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV018668.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018695.D (-1872) (-)

7.41

300000

250000

200000

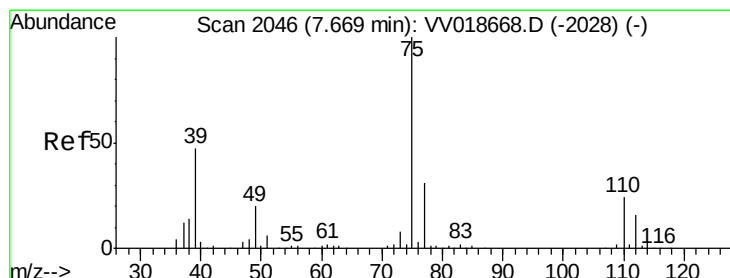
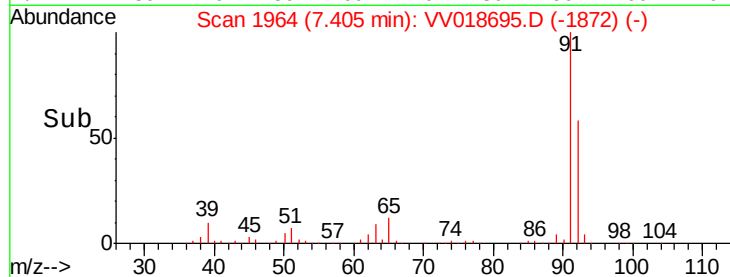
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.416 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018695.D

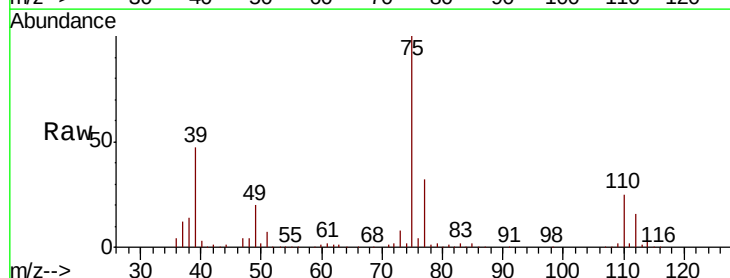
Acq: 06 Oct 2020 17:52

Tgt Ion: 75 Resp: 180747

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV018668.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV018695.D (-1953) (-)

7.67

120000

100000

80000

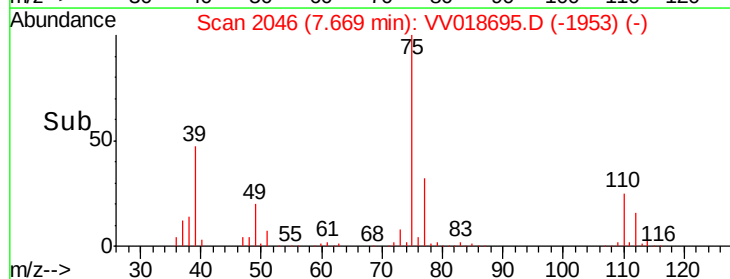
60000

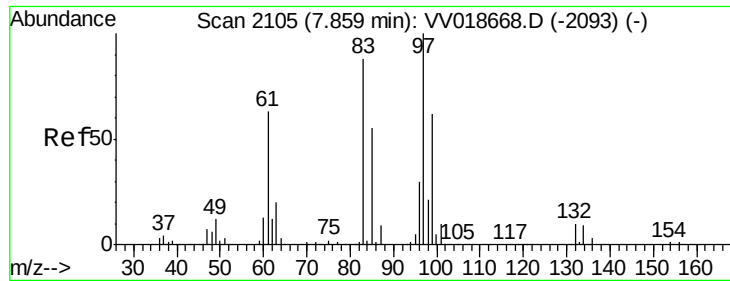
40000

20000

0

Time-->

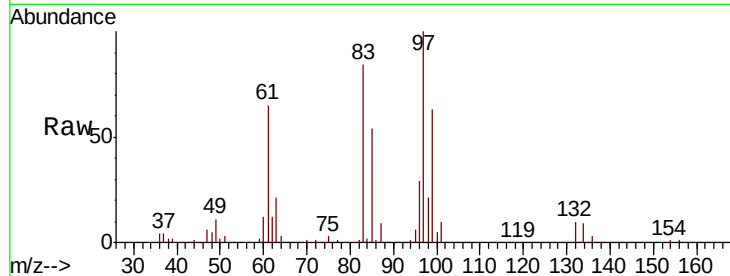




#45
1,1,2-Trichloroethane
Concen: 48.646 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	97	Resp:	112020
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.3	80.3
83	83.9	60.5	112.5
85	53.9	38.3	71.1



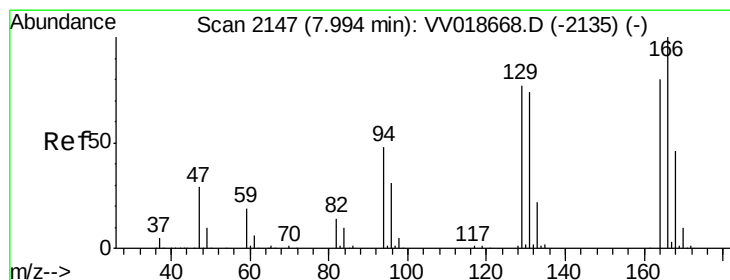
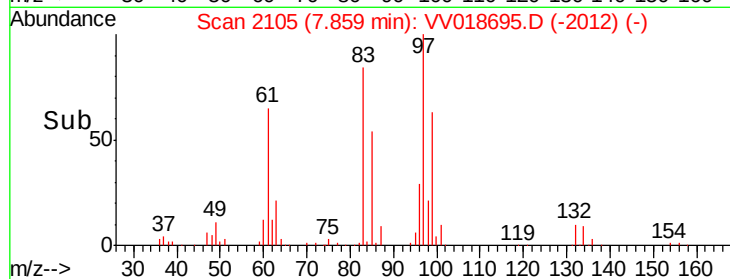
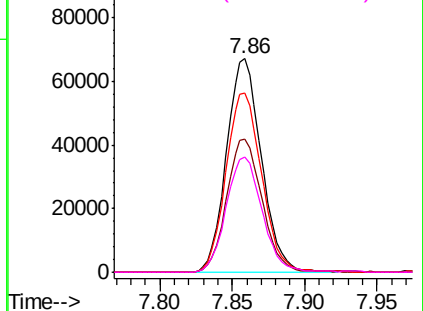
Abundance

Ion 97.00 (96.70 to 97.70): VV018668.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV018668.D (-2093) (-)

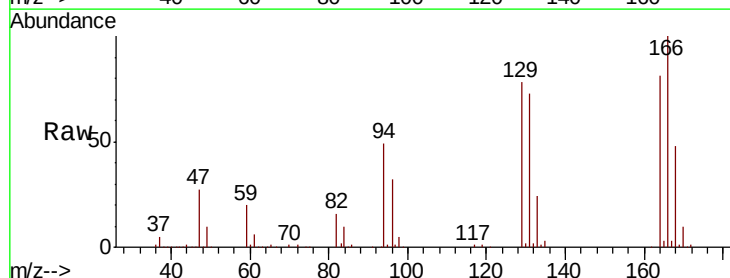
Ion 83.00 (82.70 to 83.70): VV018668.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV018668.D (-2093) (-)



#46
Tetrachloroethene
Concen: 43.350 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

Tgt Ion:	164	Resp:	92571
Ion	Ratio	Lower	Upper
164	100		
129	97.3	62.8	116.6
131	90.0	60.8	112.8
166	124.0	88.9	165.1



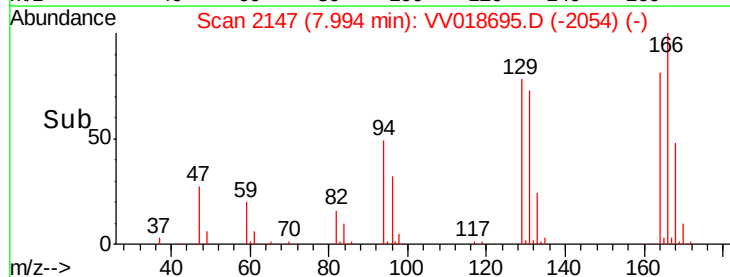
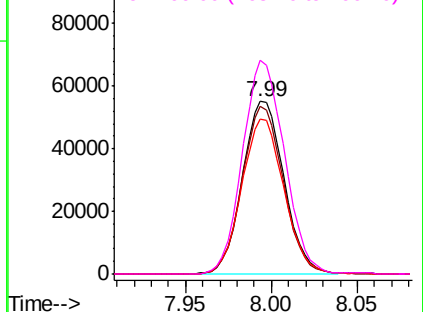
Abundance

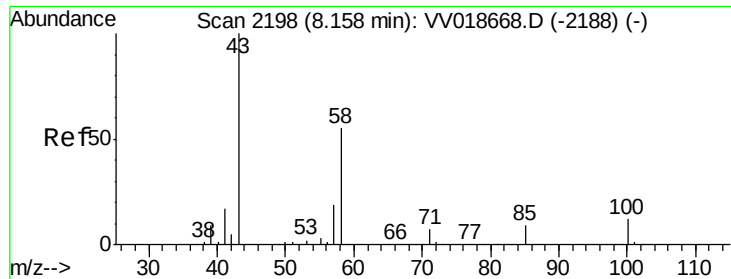
Ion 164.00 (163.70 to 164.70): VV018668.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV018668.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV018668.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV018668.D (-2135) (-)

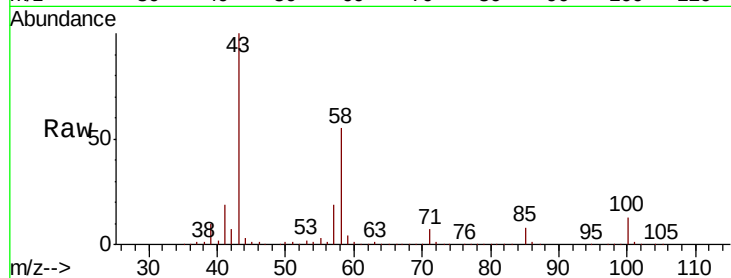




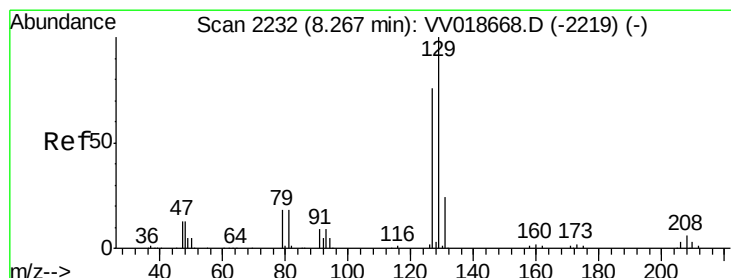
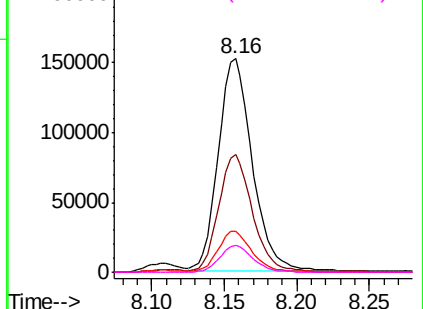
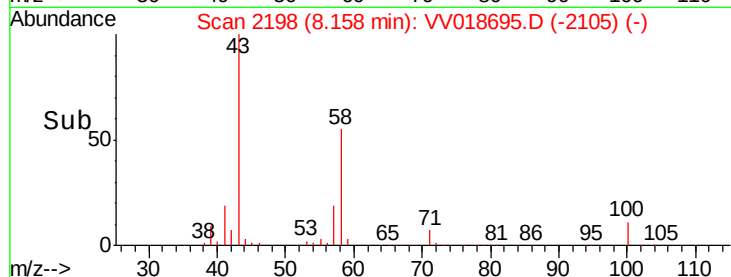
#48
2-Hexanone
Concen: 105.194 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 246358
Ion Ratio Lower Upper
43 100
58 53.7 45.1 67.7
57 18.8 15.7 23.5
100 12.8 11.0 16.4

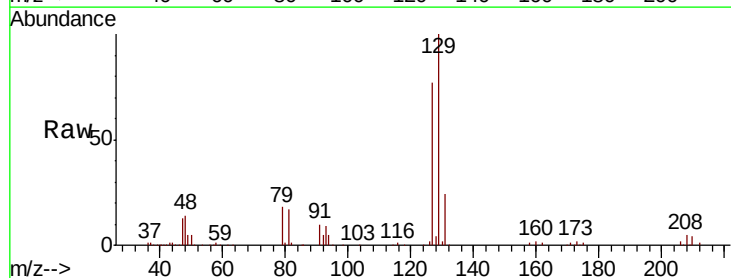


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

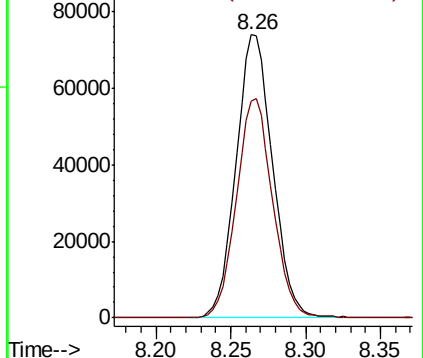
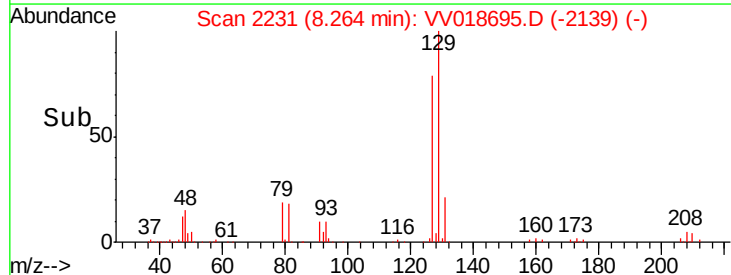


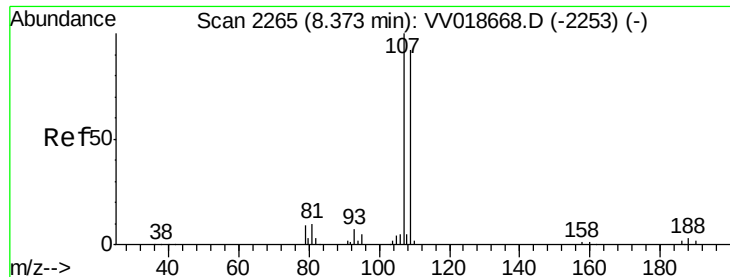
#49
Dibromochloromethane
Concen: 47.696 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

Tgt Ion: 129 Resp: 125621
Ion Ratio Lower Upper
129 100
127 76.7 54.1 100.5



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

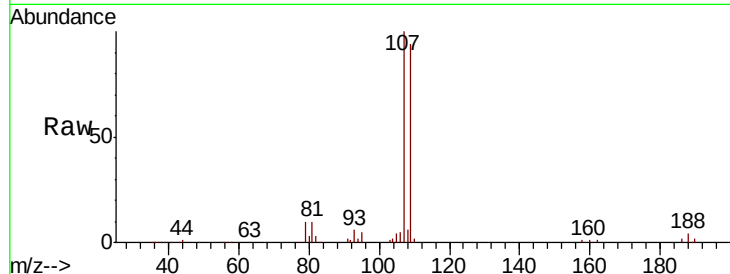




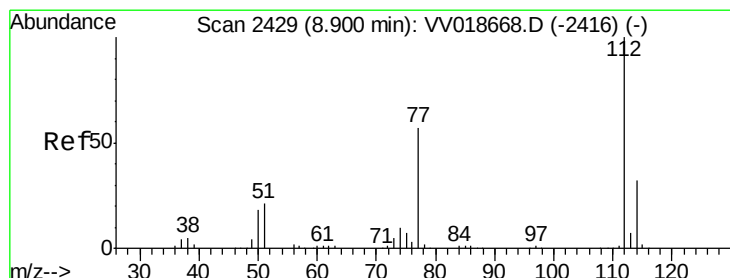
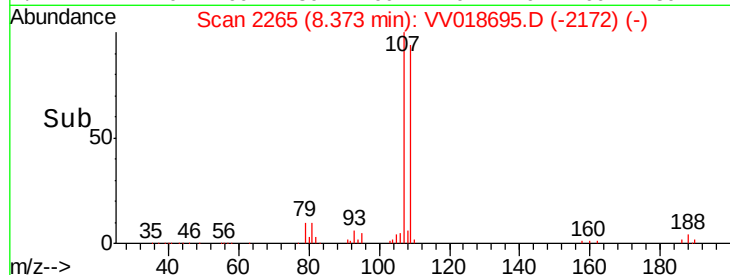
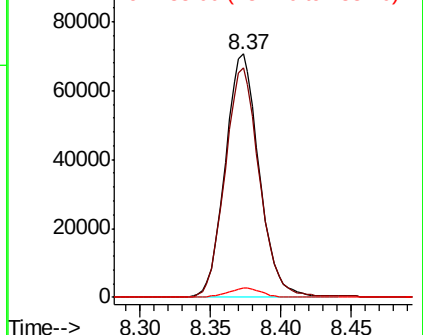
#50
1,2-Dibromoethane
Concen: 48.637 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.1	120.9
188	3.8	3.7	5.5

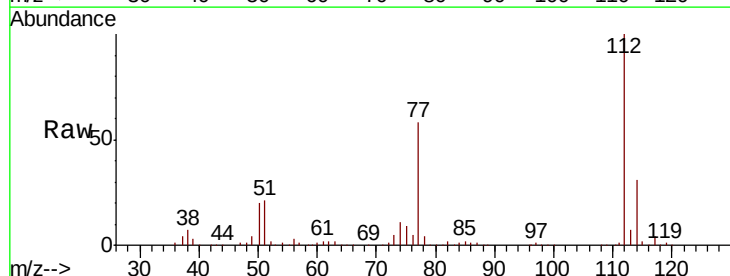


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

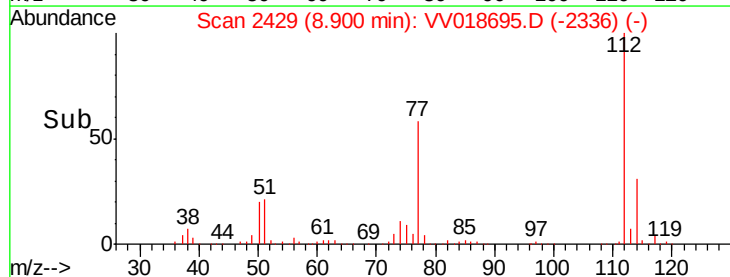
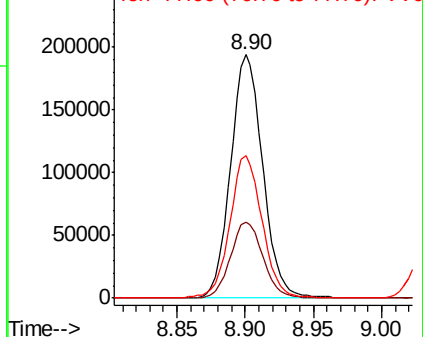


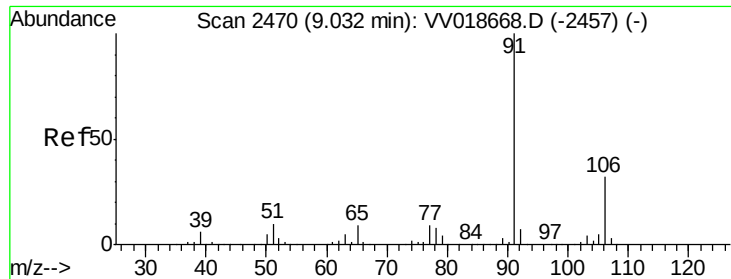
#51
Chlorobenzene
Concen: 47.855 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.4	41.6
77	58.4	44.8	67.2



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: 48.769 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Instrument :

MSVOA_V

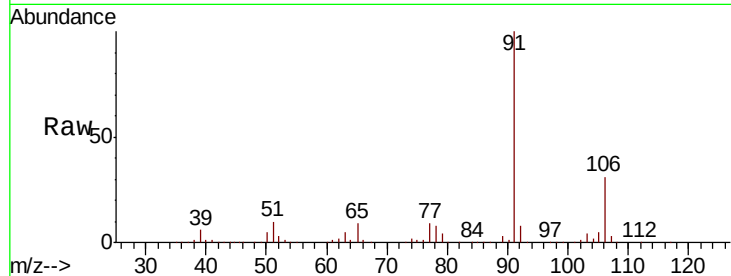
ClientSampled :

Tot Ion: 91 Resp: 534189

Ion Ratio Lower Upper

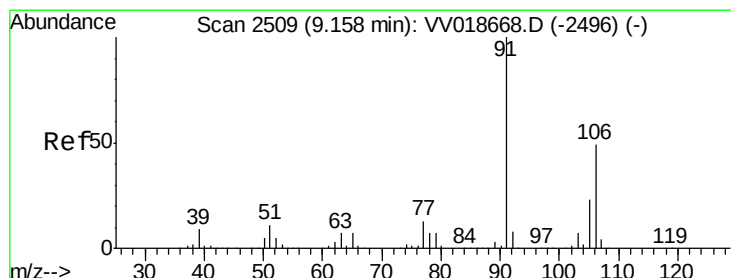
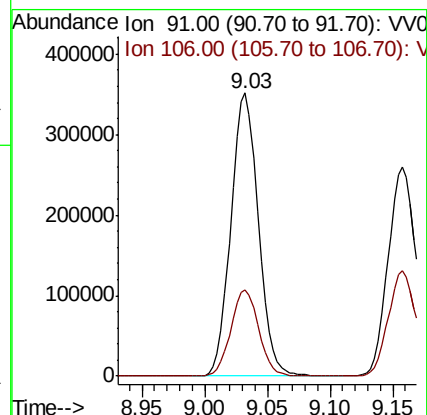
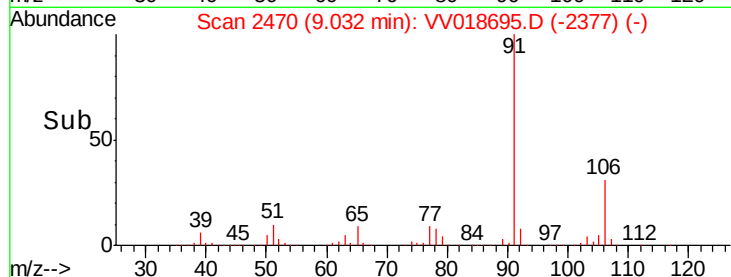
91 100

106 30.7 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018668.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV018695.D (-2377) (-)



#53

m,p-Xylene

Concen: 49.143 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018695.D

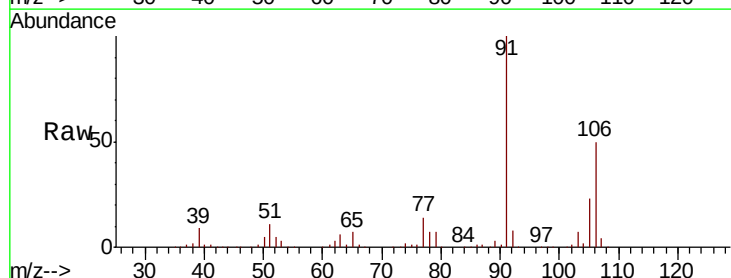
Acq: 06 Oct 2020 17:52

Tgt Ion: 106 Resp: 208029

Ion Ratio Lower Upper

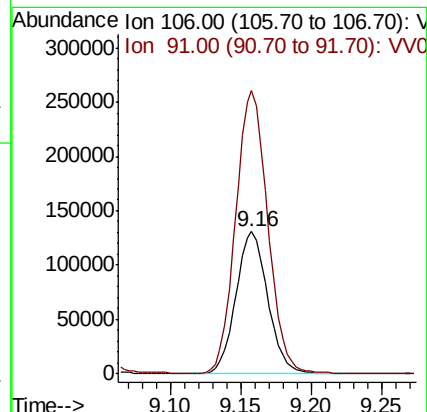
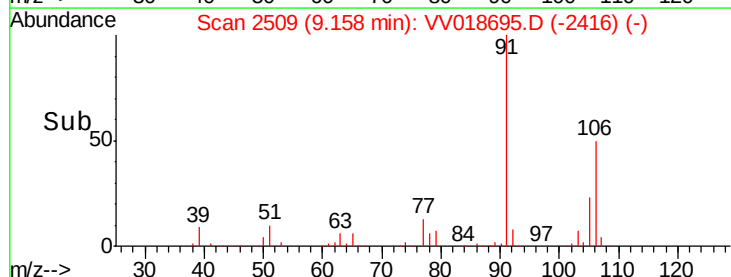
106 100

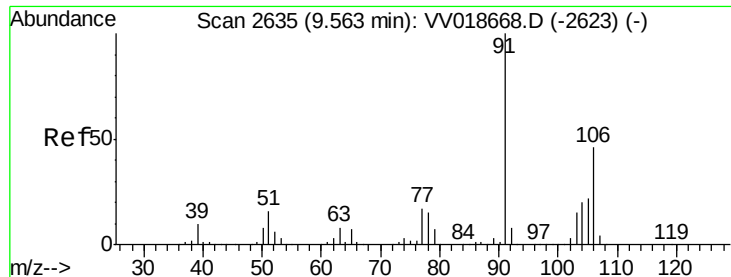
91 198.9 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018695.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018668.D (-2496) (-)

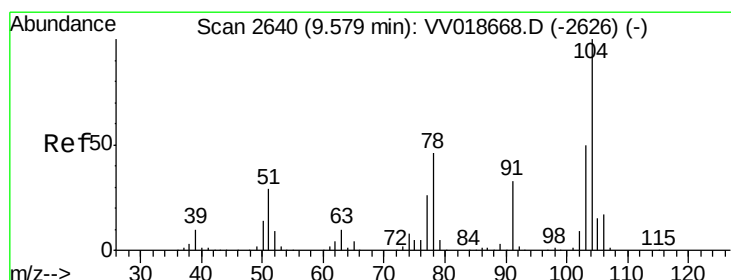
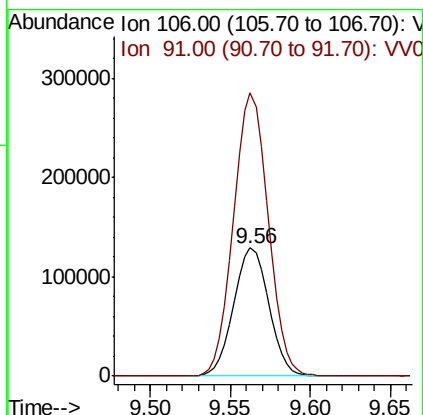
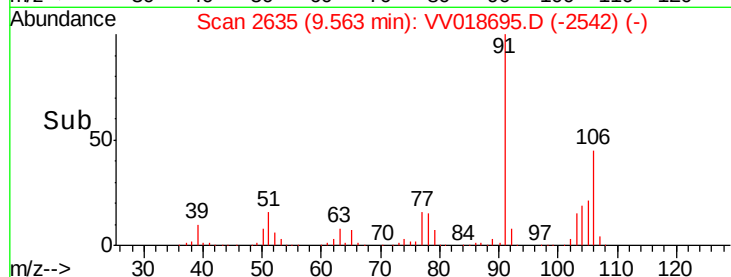
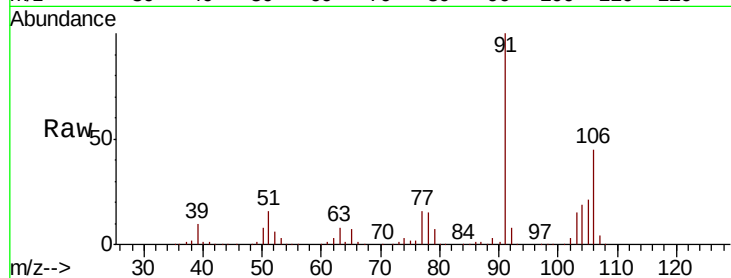




#54
o-xylene
Concen: 48.372 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

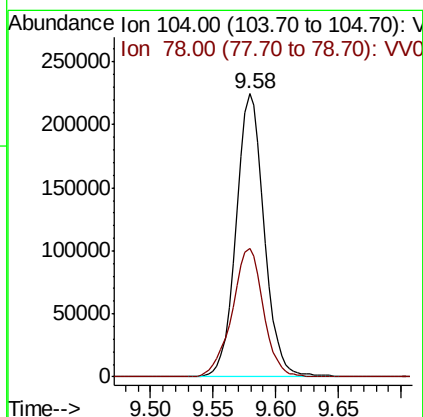
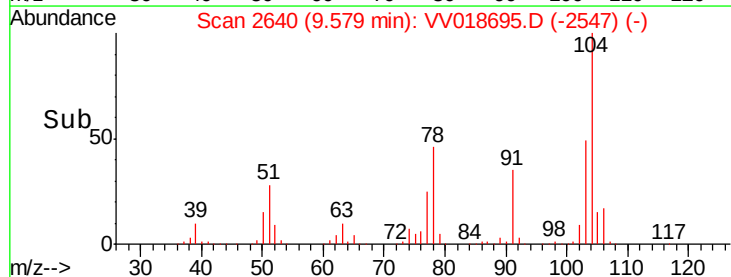
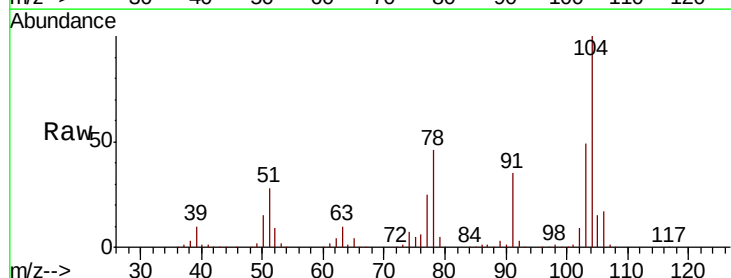
Instrument :
MSVOA_V
ClientSampleId :

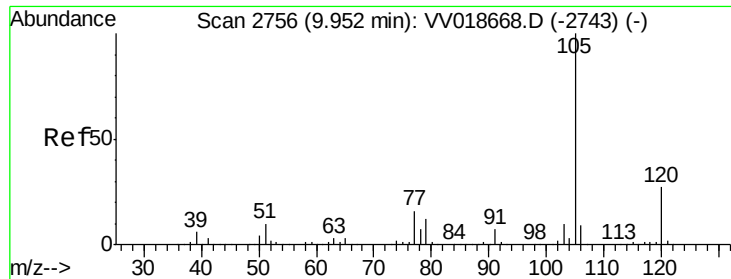
Tot Ion:106 Resp: 193864
Ion Ratio Lower Upper
106 100
91 220.3 151.0 280.4



#55
Styrene
Concen: 49.874 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018695.D
Acq: 06 Oct 2020 17:52

Tgt Ion:104 Resp: 348037
Ion Ratio Lower Upper
104 100
78 45.5 30.2 56.2





#56

Isopropylbenzene

Concen: 47.523 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Instrument :

MSVOA_V

ClientSampleId :

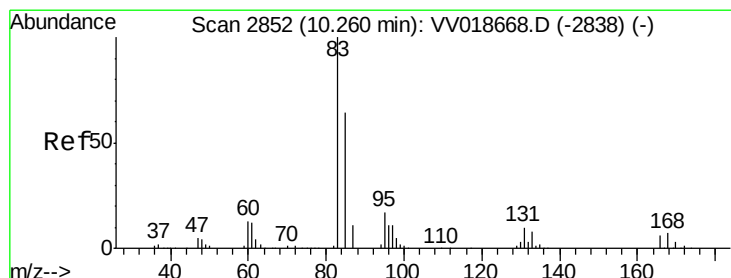
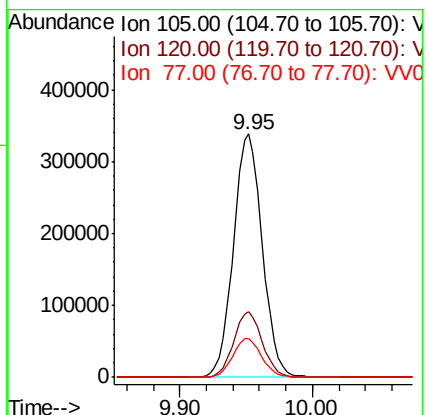
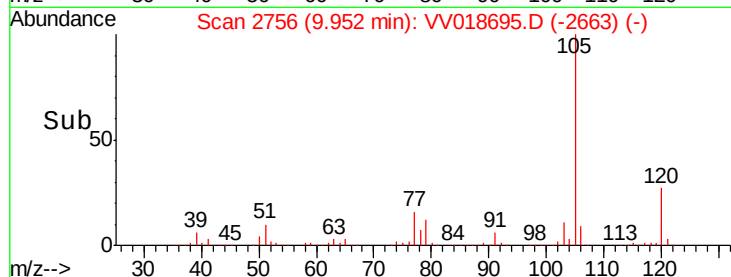
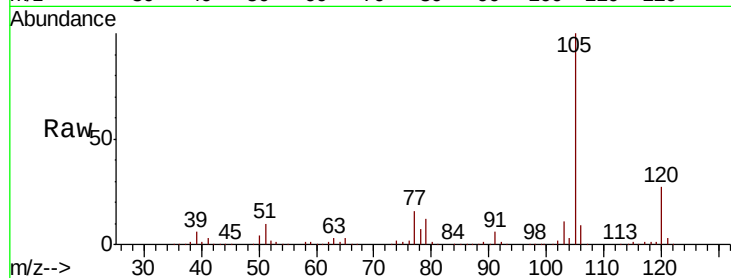
Tot Ion:105 Resp: 510798

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

77 16.0 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 46.802 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

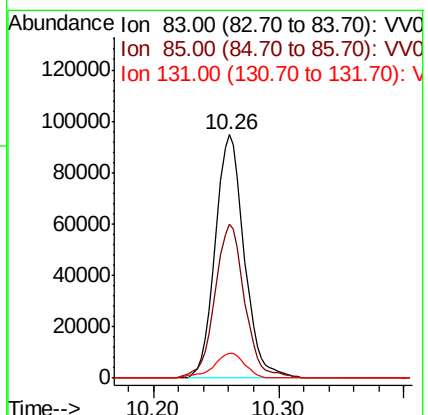
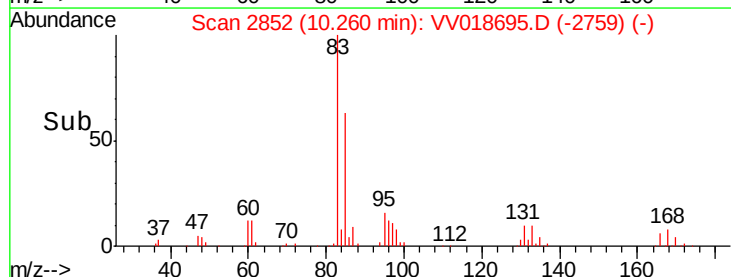
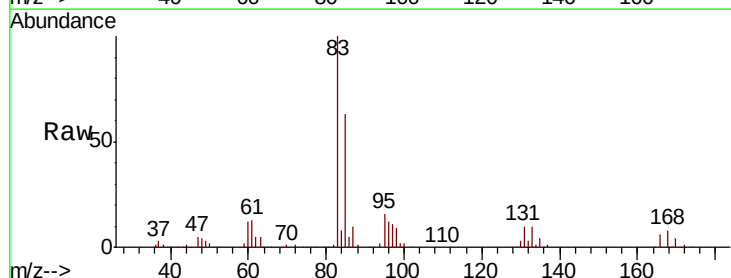
Tgt Ion: 83 Resp: 151910

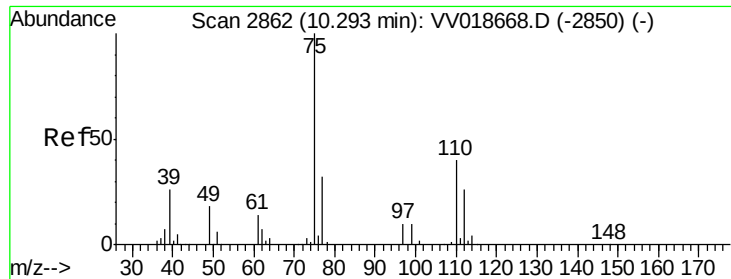
Ion Ratio Lower Upper

83 100

85 63.3 44.5 82.7

131 10.2 8.6 12.8





#59

1,2,3-Trichloropropane

Concen: 49.163 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Instrument :

MSVOA_V

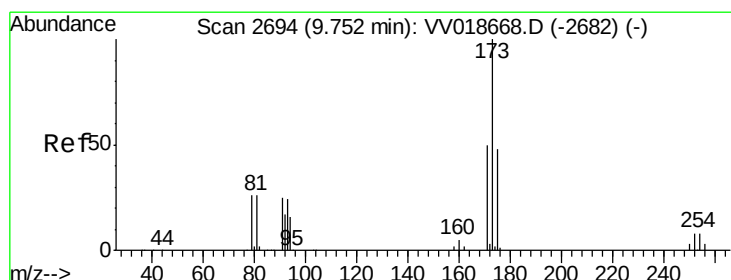
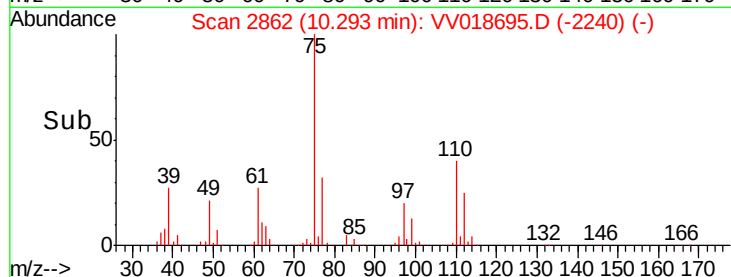
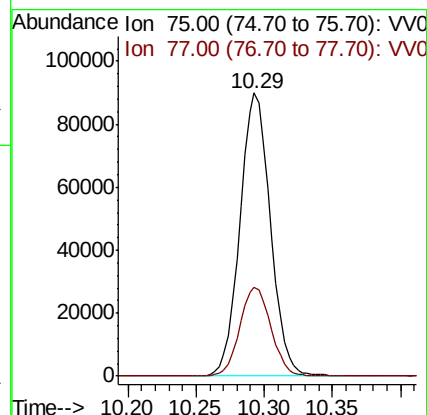
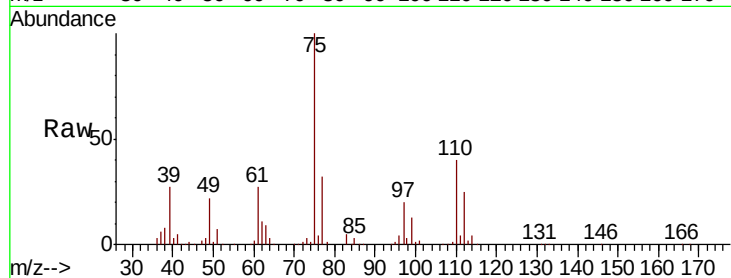
ClientSampled :

Tot Ion: 75 Resp: 139103

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#61

Bromoform

Concen: 45.104 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

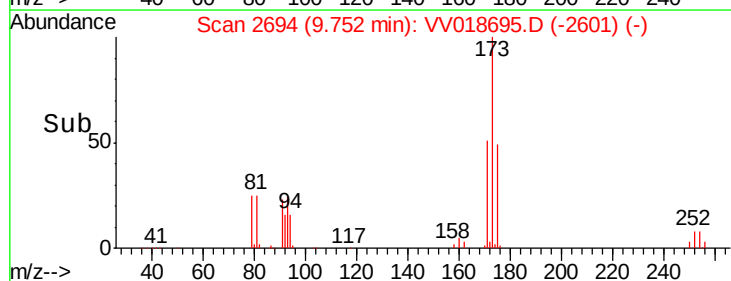
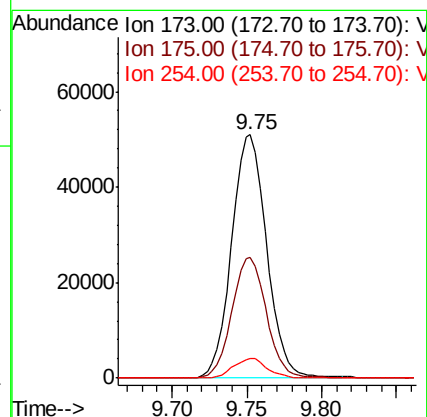
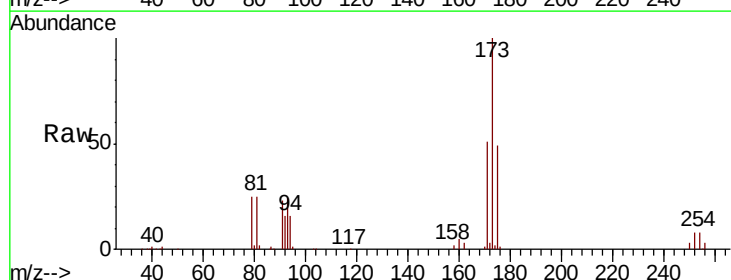
Tgt Ion: 173 Resp: 83168

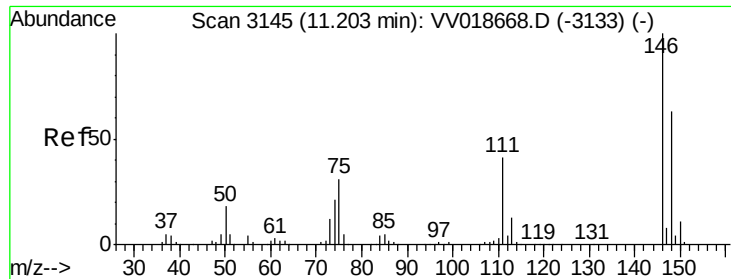
Ion Ratio Lower Upper

173 100

175 48.6 39.8 59.8

254 7.8 8.5 12.7#





#62

1,3-Dichlorobenzene

Concen: 48.874 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Instrument :

MSVOA_V

ClientSampleId :

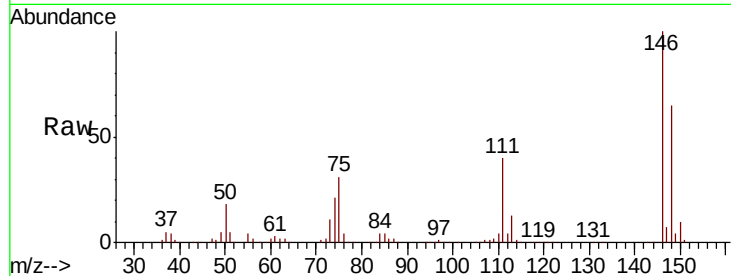
Tot Ion:146 Resp: 253907

Ion Ratio Lower Upper

146 100

111 40.3 26.8 49.8

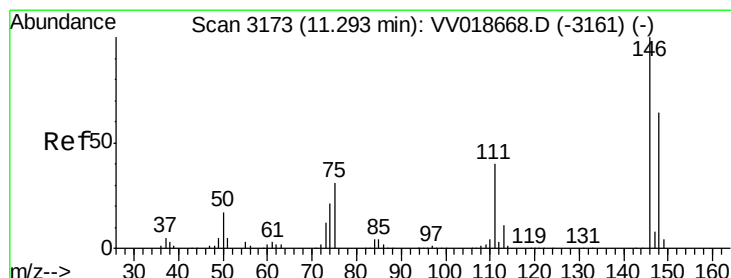
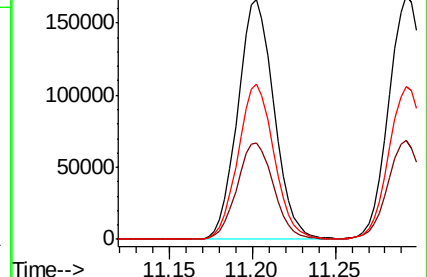
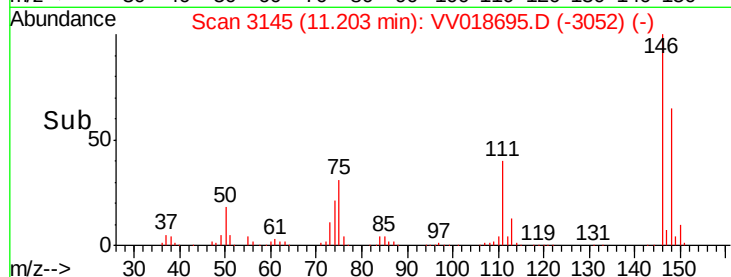
148 64.7 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.653 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

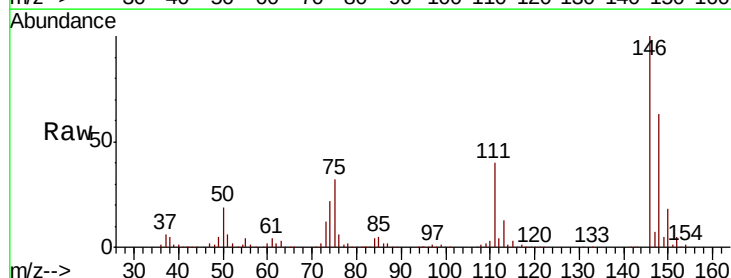
Tgt Ion:146 Resp: 260278

Ion Ratio Lower Upper

146 100

111 40.4 26.2 48.6

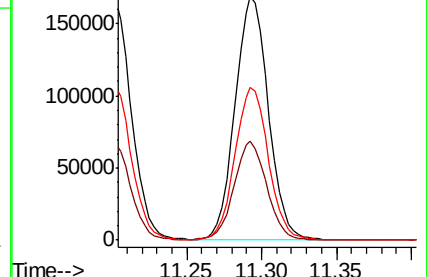
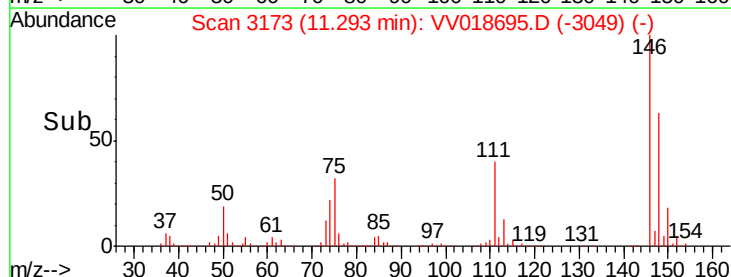
148 63.0 44.4 82.5

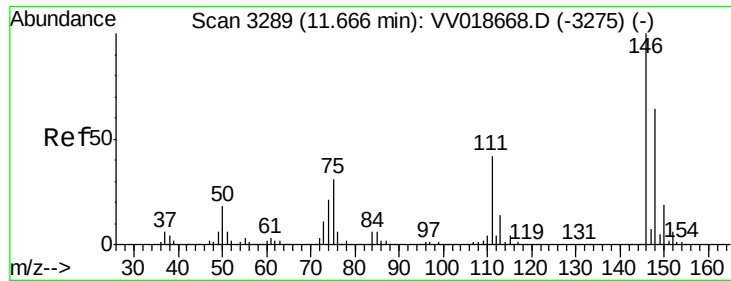


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

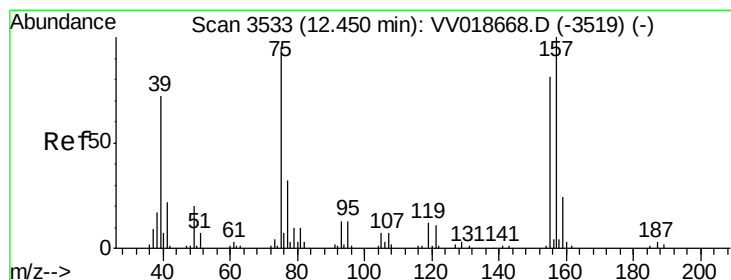
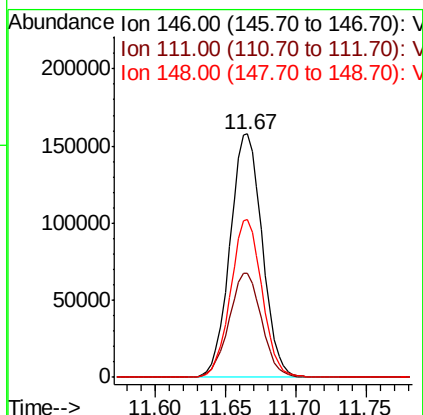
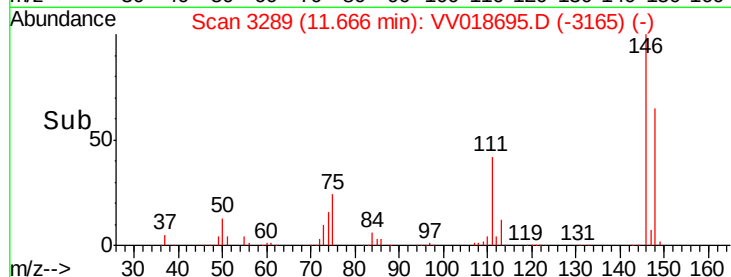
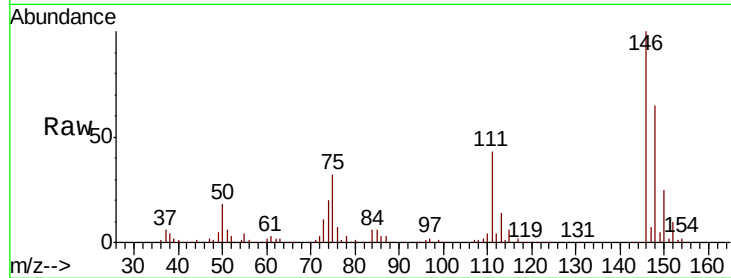




#65
 1,2-Dichlorobenzene
 Concen: 49.088 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018695.D
 Acq: 06 Oct 2020 17:52

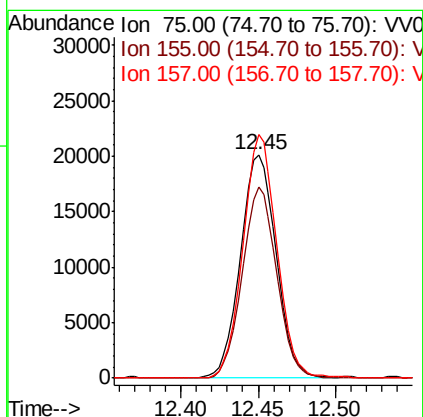
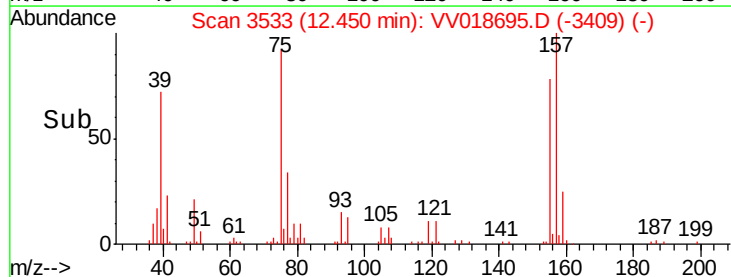
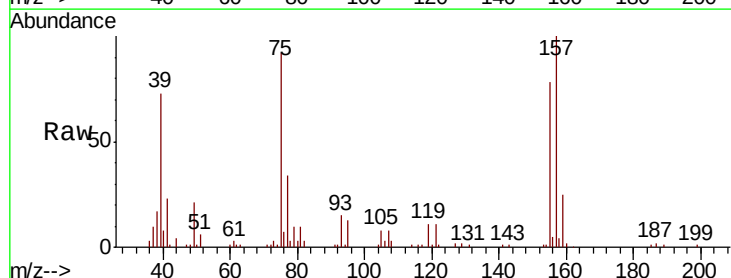
Instrument :
 MSVOA_V
 ClientSampleId :

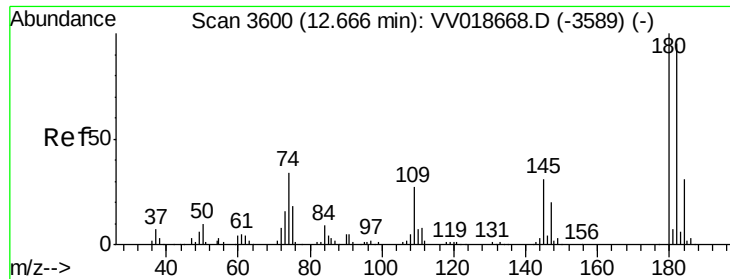
Tot Ion:146 Resp: 252288
 Ion Ratio Lower Upper
 146 100
 111 42.5 32.8 49.2
 148 65.1 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.110 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018695.D
 Acq: 06 Oct 2020 17:52

Tgt Ion: 75 Resp: 32351
 Ion Ratio Lower Upper
 75 100
 155 85.3 73.0 109.6
 157 108.9 95.8 143.6

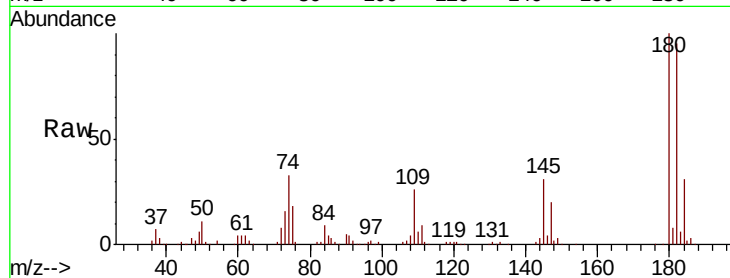




#67
 1,3,5-Trichlorobenzene
 Concen: 39.668 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018695.D
 Acq: 06 Oct 2020 17:52

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.1	115.7
184	30.8	24.3	36.5
145	31.4	22.9	34.3



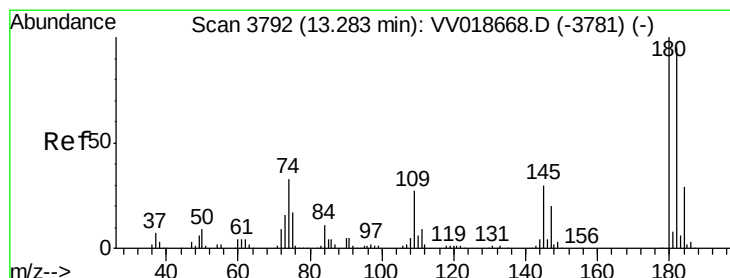
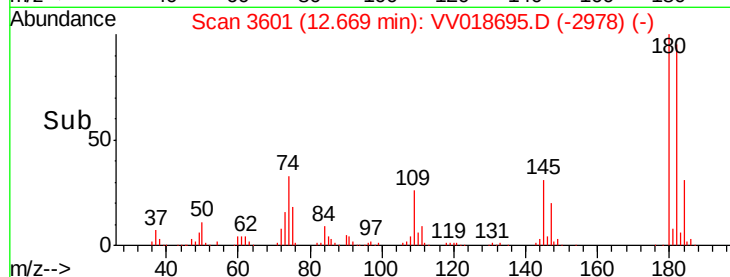
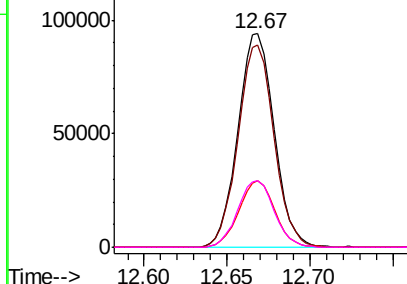
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

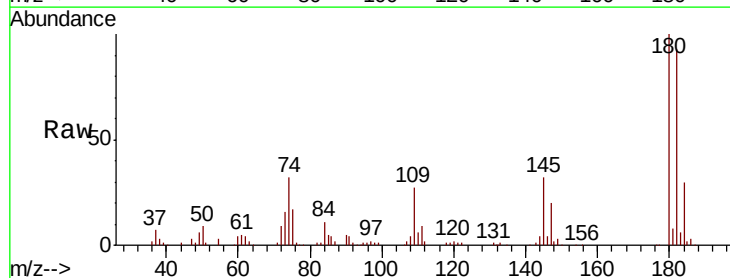
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 37.303 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018695.D
 Acq: 06 Oct 2020 17:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.3	114.5
145	32.5	23.6	35.4

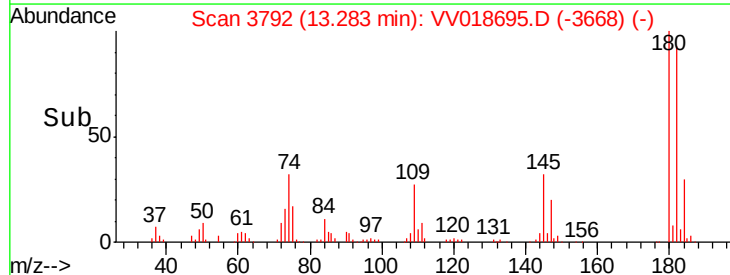
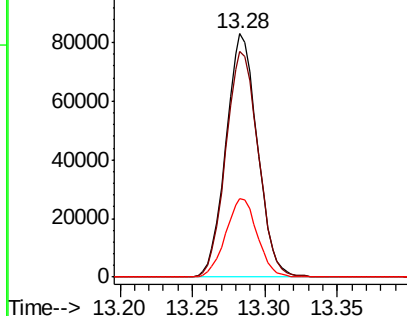


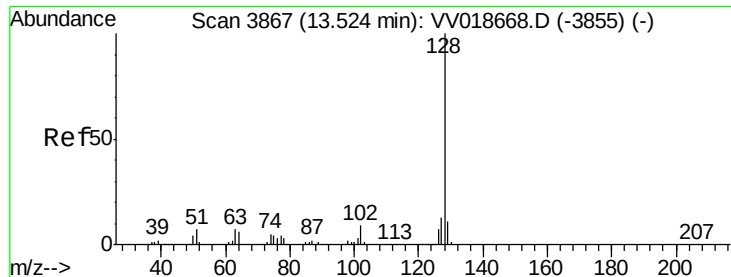
Abundance

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: 42.103 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

Instrument :

MSVOA_V

ClientSampleId :

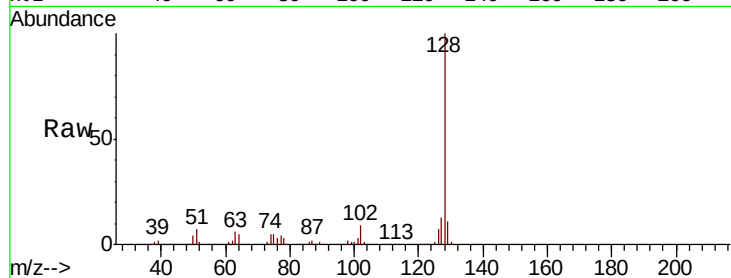
Tot Ion:128 Resp: 403582

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

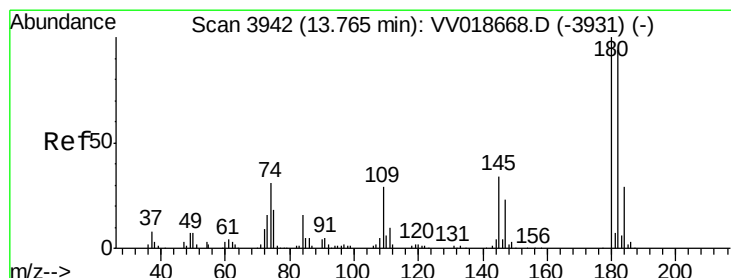
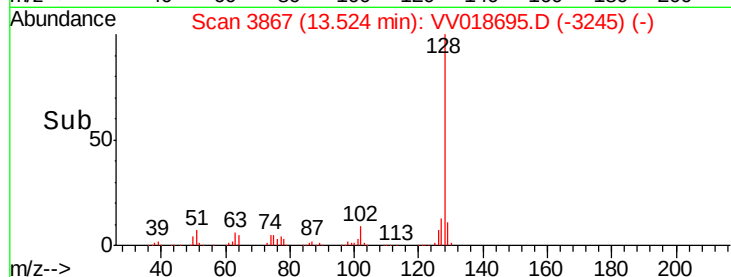
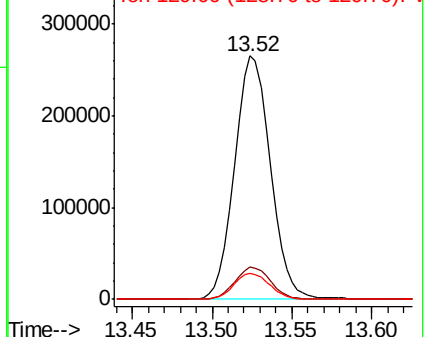
129 10.8 8.6 12.8



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: 38.184 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018695.D

Acq: 06 Oct 2020 17:52

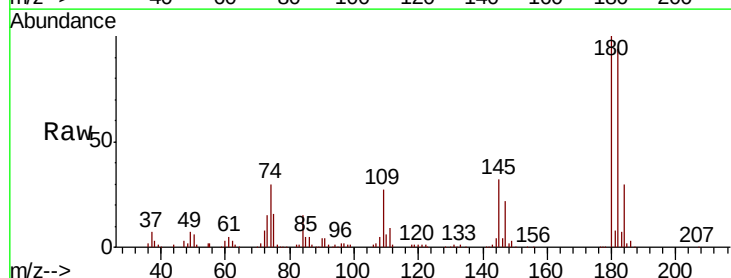
Tgt Ion:180 Resp: 128360

Ion Ratio Lower Upper

180 100

182 94.9 77.1 115.7

145 33.0 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

