

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018718.D
 Acq On : 07 Oct 2020 03:07
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 07:26:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:22:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	271345	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	265674	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	148526	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	85608	53.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.58%
7) Chloroethane-d5	1.57	69	66036	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.38%
11) 1,1-Dichloroethene-d2	2.12	63	177415	54.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.44%
21) 2-Butanone-d5	3.90	46	115337	97.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.16%
24) Chloroform-d	4.37	84	173089	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.05	65	114760	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.06%
32) Benzene-d6	5.07	84	321280	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
36) 1,2-Dichloropropane-d6	6.09	67	107596	52.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.84%
41) Toluene-d8	7.34	98	307762	48.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.22%
43) trans-1,3-Dichloropropene-	7.64	79	50908	46.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.70%
47) 2-Hexanone-d5	8.11	63	77815	100.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.76%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	135870	50.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	134728	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	76510	41.469	ug/L 97
3) Chloromethane	1.24	50	83581	42.337	ug/L 100
5) Vinyl chloride	1.32	62	106010	51.074	ug/L 100
6) Bromomethane	1.53	94	56889	40.271	ug/L 96
8) Chloroethane	1.59	64	61391	47.997	ug/L 96
9) Trichlorofluoromethane	1.76	101	168016	53.260	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	86992	49.270	ug/L 95
12) 1,1-Dichloroethene	2.13	96	86053	50.802	ug/L 98
13) Acetone	2.18	43	106167	103.521	ug/L 99
14) Carbon disulfide	2.31	76	278977	50.842	ug/L 100
15) Methyl Acetate	2.44	43	119005	60.232	ug/L 95
16) Methylene chloride	2.52	84	106980	52.621	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	88407	45.612	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	283297	47.972	ug/L 97
19) 1,1-Dichloroethane	3.21	63	163360	48.136	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	99521	48.314	ug/L 98
22) 2-Butanone	3.99	43	124838	96.360	ug/L 99

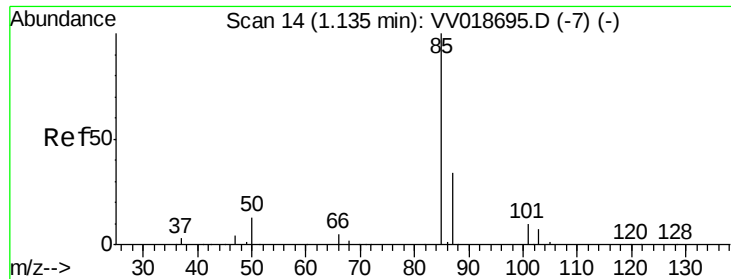
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:22:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	51290	45.281	uq/L	98
25) Chloroform	4.40	83	175408	48.950	uq/L	99
27) 1,2-Dichloroethane	5.15	62	149677	53.589	uq/L	98
29) Cyclohexane	4.70	56	131684	43.459	uq/L	100
30) 1,1,1-Trichloroethane	4.63	97	159365	48.318	uq/L	98
31) Carbon tetrachloride	4.85	117	140687	47.528	uq/L	99
33) Benzene	5.12	78	366934	47.012	uq/L	100
34) Trichloroethene	5.94	95	114035	50.325	uq/L	97
35) Methylcyclohexane	6.15	83	128444	42.020	uq/L	97
37) 1,2-Dichloropropane	6.20	63	98690	49.283	uq/L	100
38) Bromodichloromethane	6.53	83	135091	50.373	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	144419	45.967	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	270302	104.608	uq/L	99
42) Toluene	7.41	91	406363	48.127	uq/L	97
44) trans-1,3-Dichloropropene	7.67	75	149985	48.597	uq/L	95
45) 1,1,2-Trichloroethane	7.86	97	96680	48.770	uq/L	99
46) Tetrachloroethene	8.00	164	80019	43.528	uq/L	95
48) 2-Hexanone	8.16	43	215054	106.668	uq/L	96
49) Dibromochloromethane	8.27	129	109554	48.318	uq/L	99
50) 1,2-Dibromoethane	8.37	107	103368	49.043	uq/L	97
51) Chlorobenzene	8.90	112	265334	46.451	uq/L	97
52) Ethylbenzene	9.03	91	437089	46.353	uq/L	100
53) m,p-Xylene	9.16	106	166605	45.719	uq/L	99
54) o-xylene	9.56	106	161776	46.890	uq/L	97
55) Styrene	9.58	104	292753	48.732	uq/L	95
56) Isopropylbenzene	9.95	105	420550	45.450	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	137992	49.385	uq/L	97
59) 1,2,3-Trichloropropane	10.29	75	124711	51.200	uq/L	100
61) Bromoform	9.75	173	72511	42.502	uq/L #	97
62) 1,3-Dichlorobenzene	11.20	146	227792	47.390	uq/L	98
63) 1,4-Dichlorobenzene	11.29	146	232558	46.984	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	230958	48.569	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	36357	56.006	uq/L	87
67) 1,3,5-Trichlorobenzene	12.67	180	144983	43.543	uq/L	98
68) 1,2,4-trichlorobenzene	13.28	180	134160	43.301	uq/L	98
69) Naphthalene	13.52	128	475429	53.605	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	143077	46.001	uq/L	97

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



#2

Dichlorodifluoromethane

Concen: 41.469 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

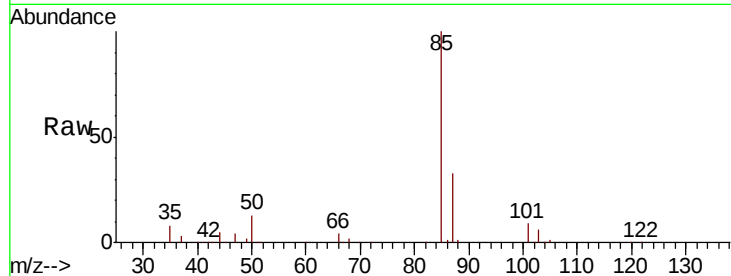
ClientSampleId :

Tot Ion: 85 Resp: 76510

Ion Ratio Lower Upper

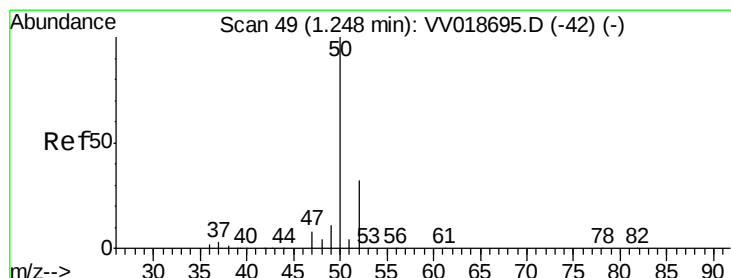
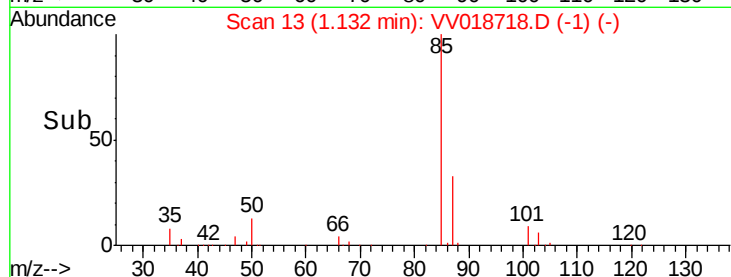
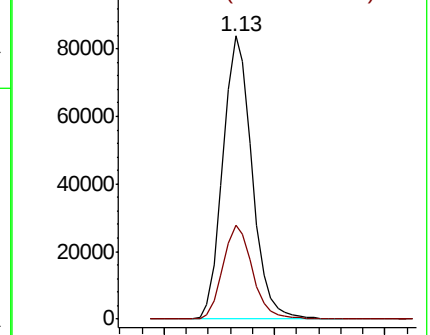
85 100

87 33.7 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 42.337 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV018718.D

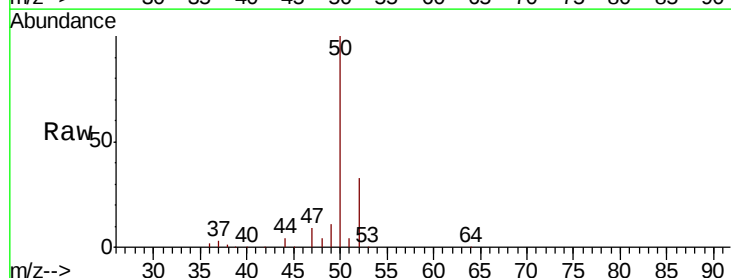
Acq: 07 Oct 2020 03:07

Tgt Ion: 50 Resp: 83581

Ion Ratio Lower Upper

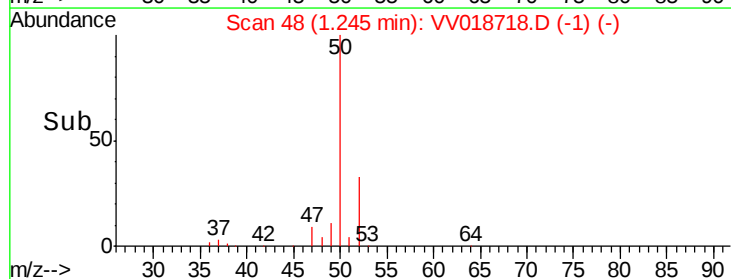
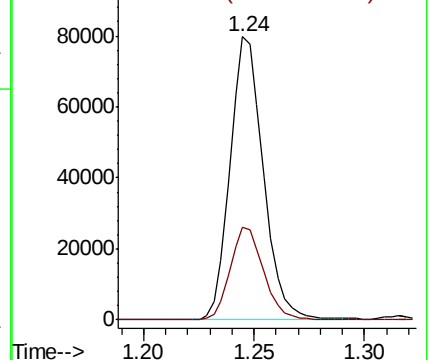
50 100

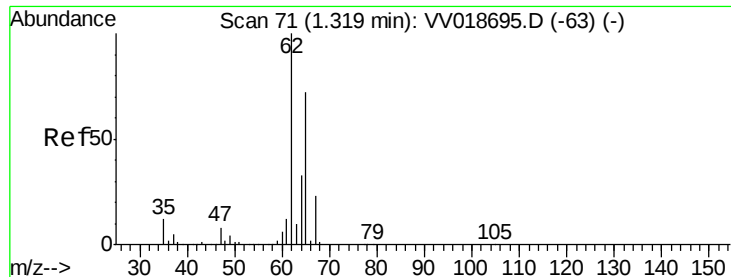
52 32.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 51.074 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

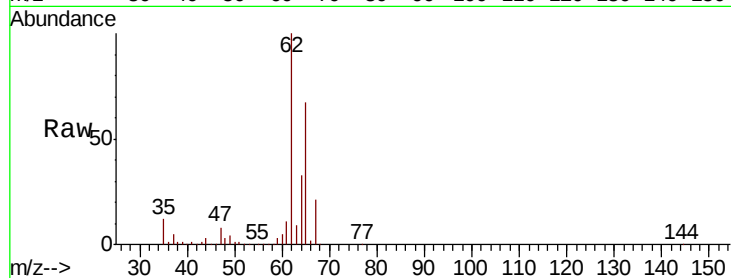
ClientSampled :

Tot Ion: 62 Resp: 106010

Ion Ratio Lower Upper

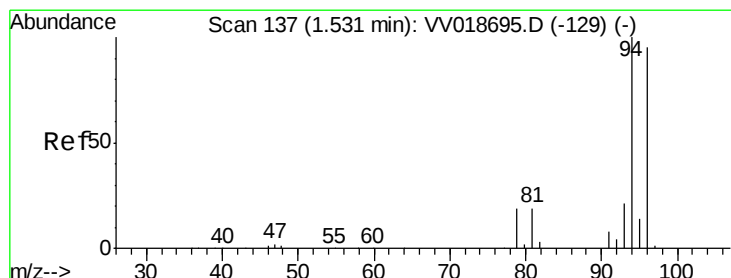
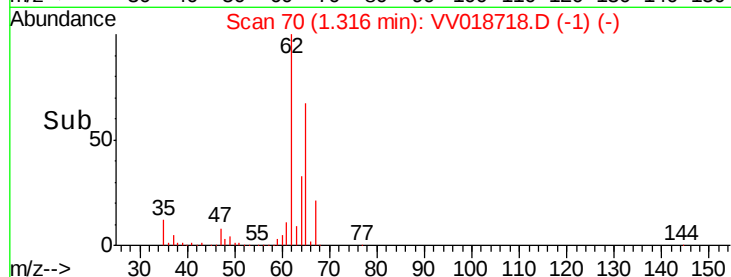
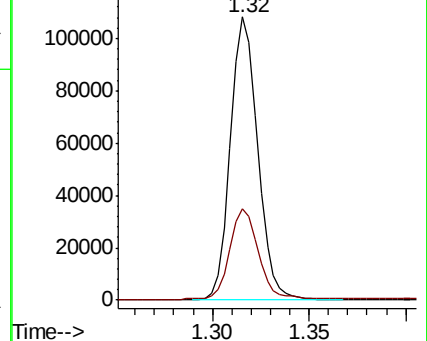
62 100

64 32.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 40.271 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV018718.D

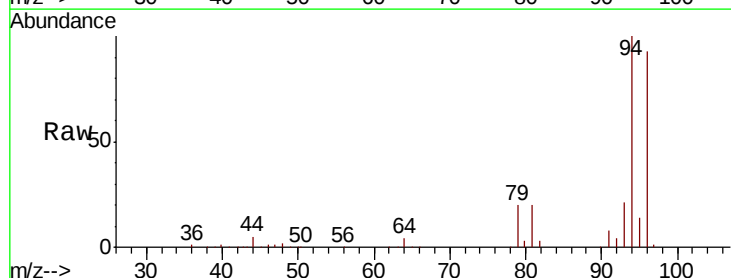
Acq: 07 Oct 2020 03:07

Tgt Ion: 94 Resp: 56889

Ion Ratio Lower Upper

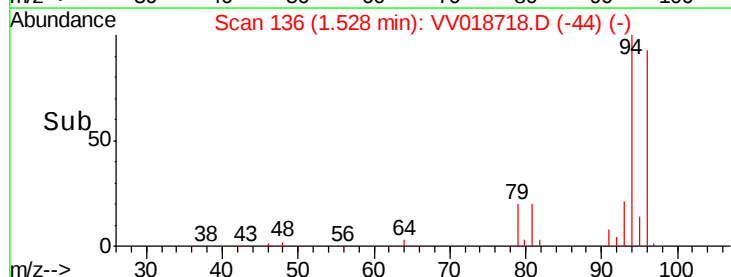
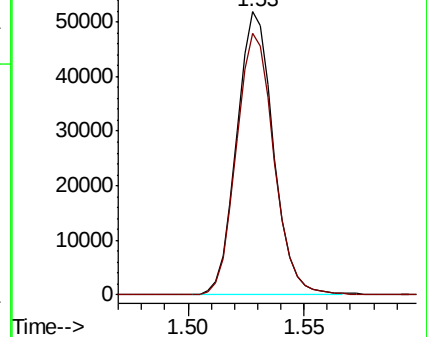
94 100

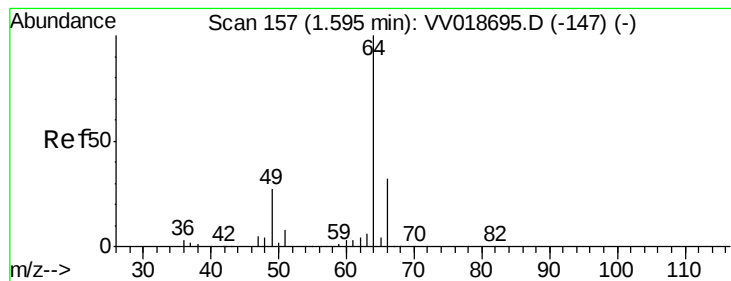
96 92.6 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 47.997 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

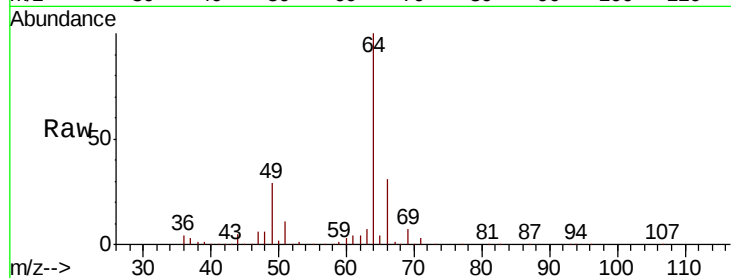
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 61391

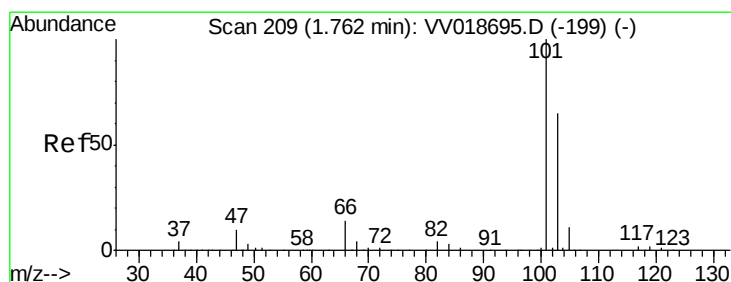
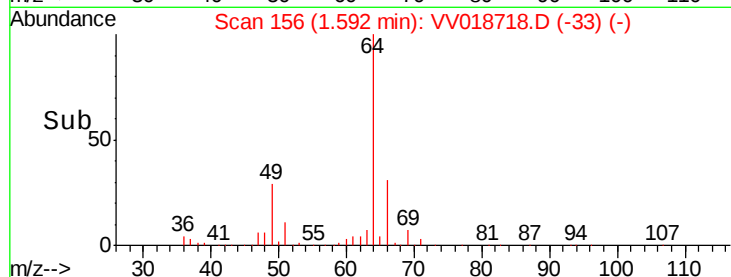
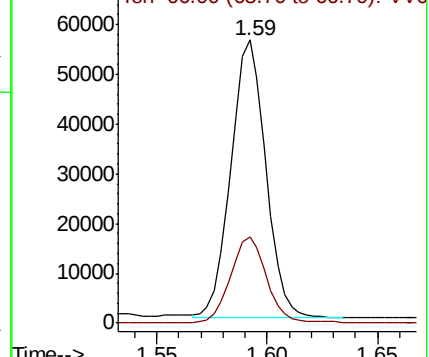
Ion Ratio Lower Upper

64 100

66 30.6 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV018695.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 53.260 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV018718.D

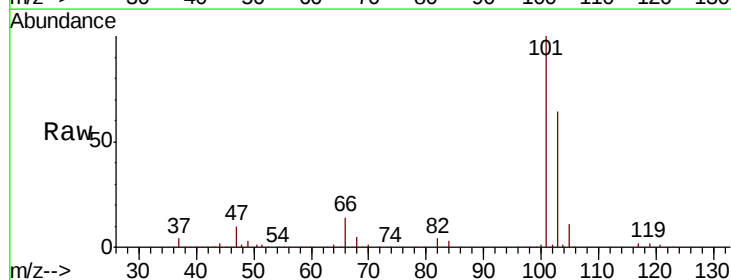
Acq: 07 Oct 2020 03:07

Tgt Ion: 101 Resp: 168016

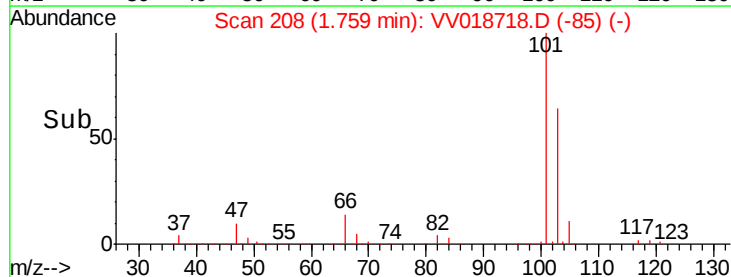
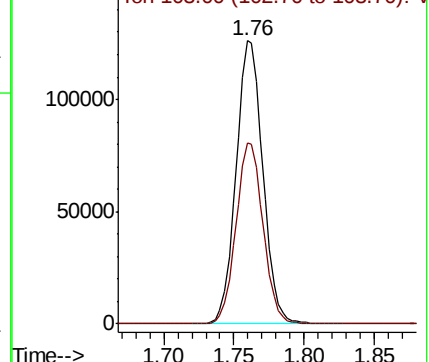
Ion Ratio Lower Upper

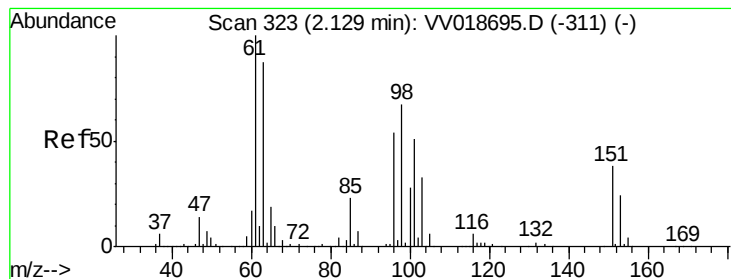
101 100

103 64.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018695.D (-199) (-)





#10

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

Concen: 49.270 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

ClientSampleId :

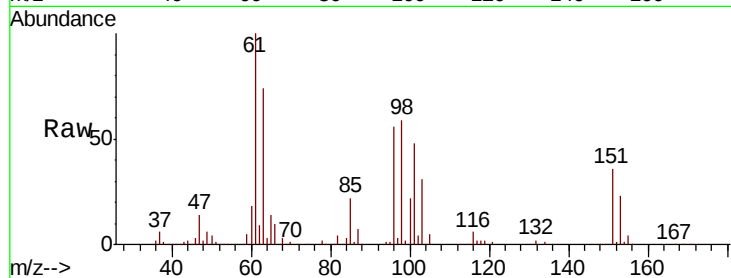
Tot Ion:101 Resp: 86992

Ion Ratio Lower Upper

101 100

85 45.4 34.6 52.0

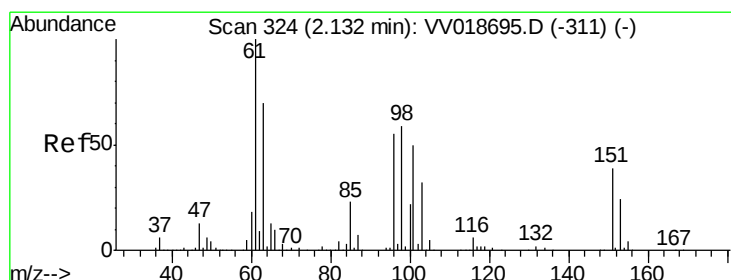
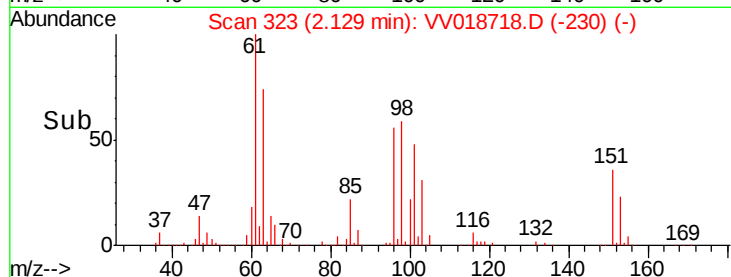
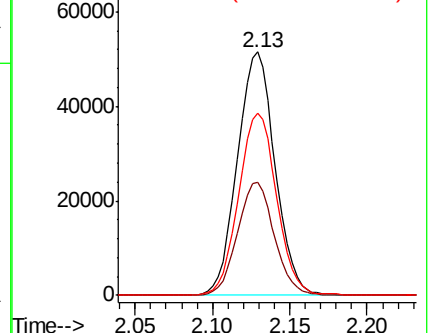
151 75.7 64.3 96.5



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: 50.802 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

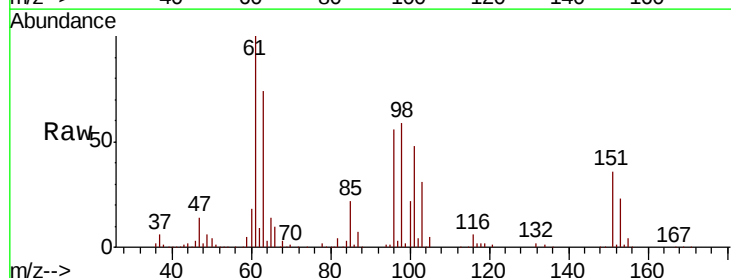
Tgt Ion: 96 Resp: 86053

Ion Ratio Lower Upper

96 100

61 180.0 122.8 228.1

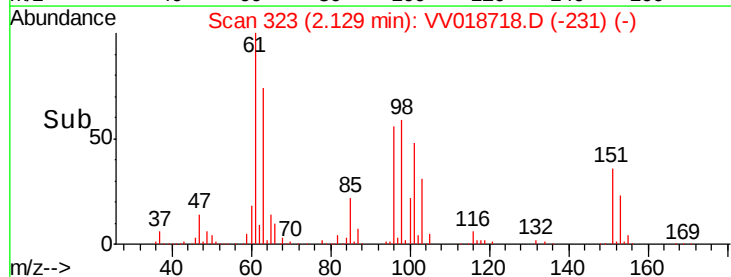
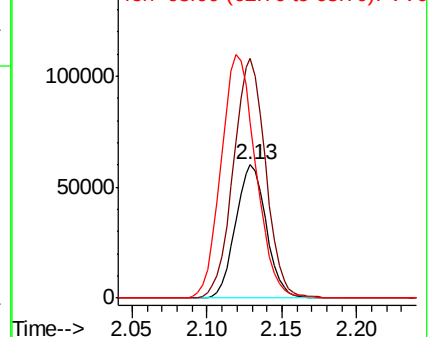
63 132.4 91.9 170.7

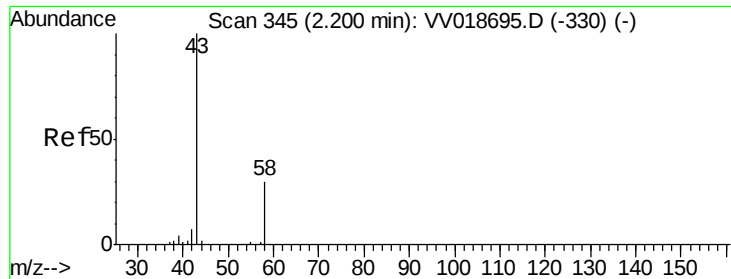


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 103.521 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

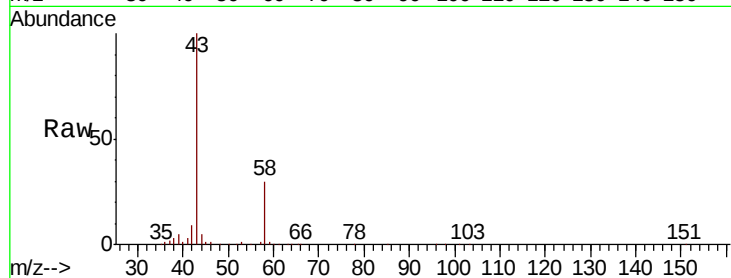
ClientSampleId :

Tot Ion: 43 Resp: 106167

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV018695.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV018695.D (-330) (-)

2.18

60000

50000

40000

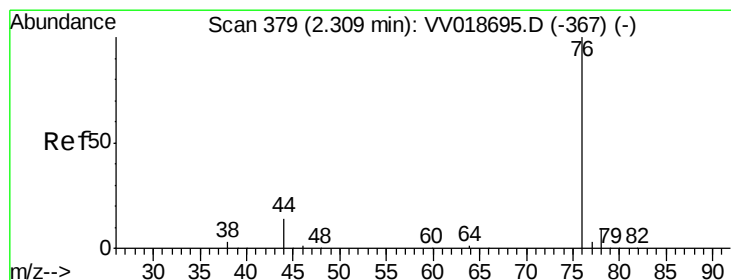
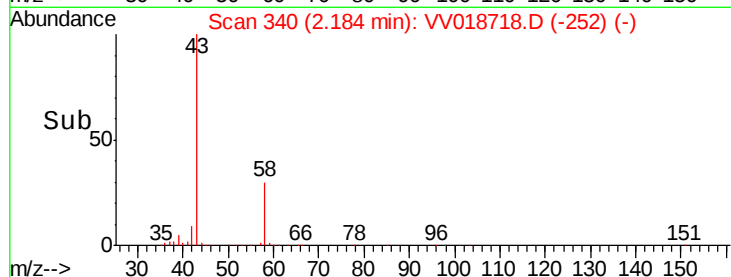
30000

20000

10000

0

Time-->



#14

Carbon disulfide

Concen: 50.842 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV018718.D

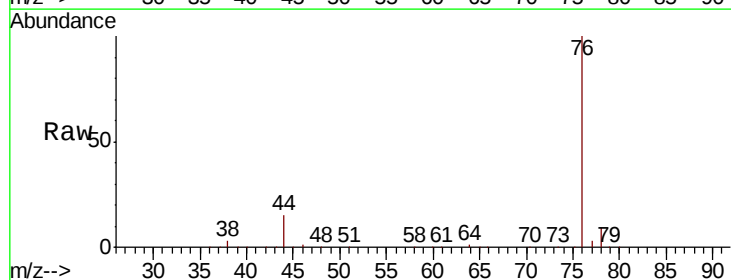
Acq: 07 Oct 2020 03:07

Tgt Ion: 76 Resp: 278977

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018695.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018695.D (-367) (-)

2.31

200000

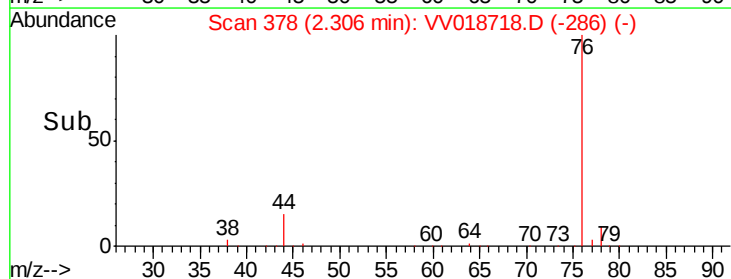
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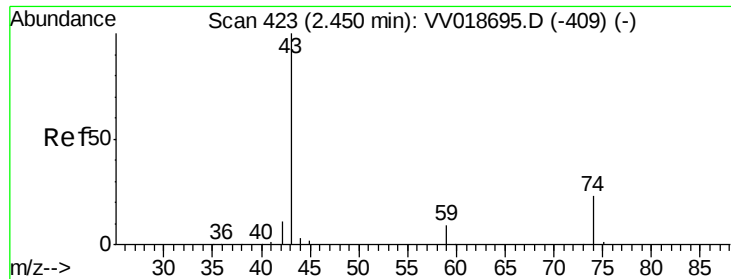
100000

50000

0

Time-->

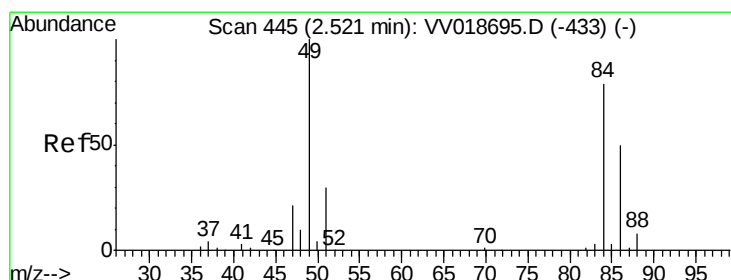
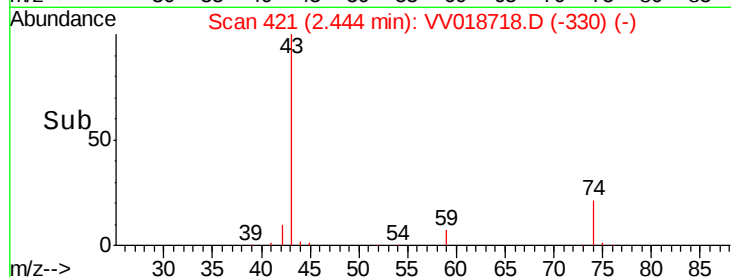
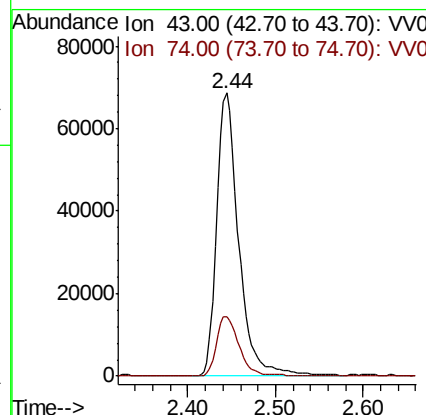
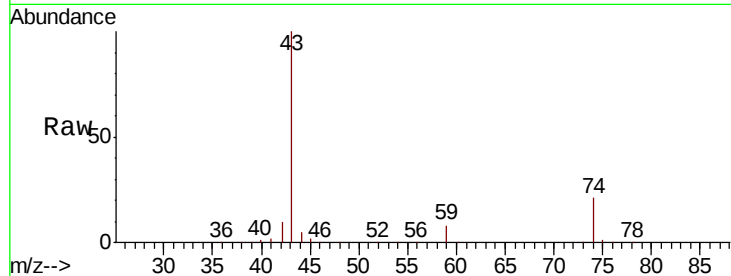




#15
Methvl Acetate
Concen: 60.232 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.01 min
Lab File: VV018718.D
Acq: 07 Oct 2020 03:07

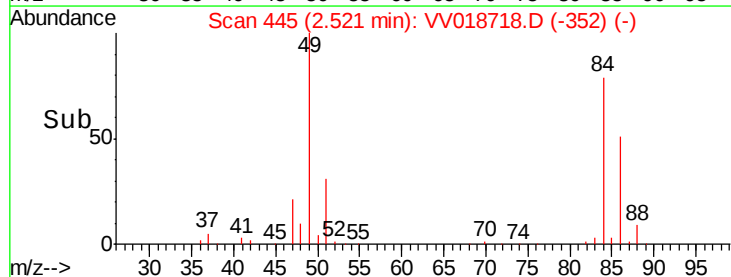
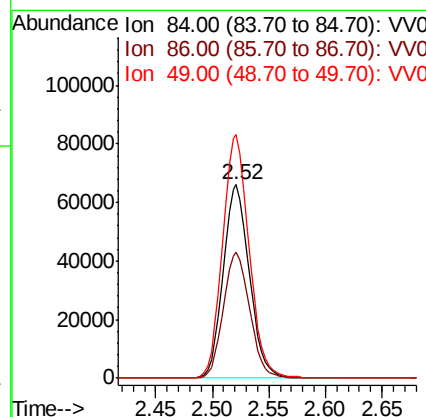
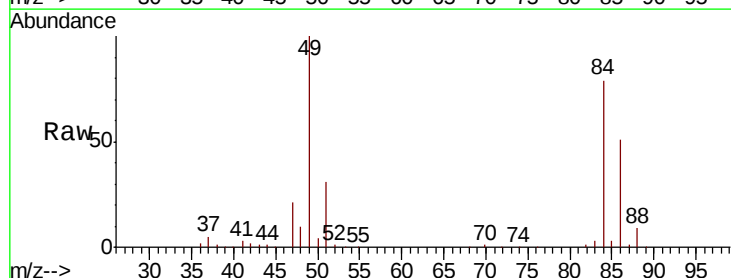
Instrument :
MSVOA_V
ClientSampleId :

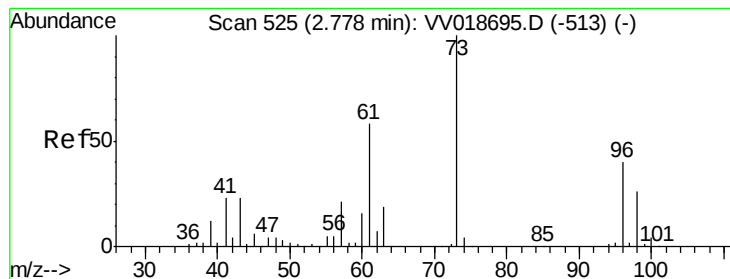
Tot Ion: 43 Resp: 119005
Ion Ratio Lower Upper
43 100
74 21.5 19.2 28.8



#16
Methylene chloride
Concen: 52.621 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018718.D
Acq: 07 Oct 2020 03:07

Tgt Ion: 84 Resp: 106980
Ion Ratio Lower Upper
84 100
86 64.9 46.2 85.8
49 126.1 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 45.612 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :
MSVOA_V
ClientSampled :

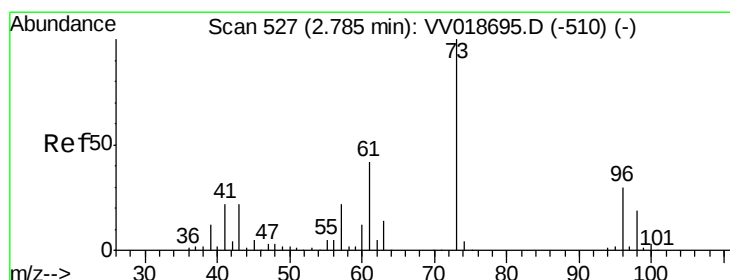
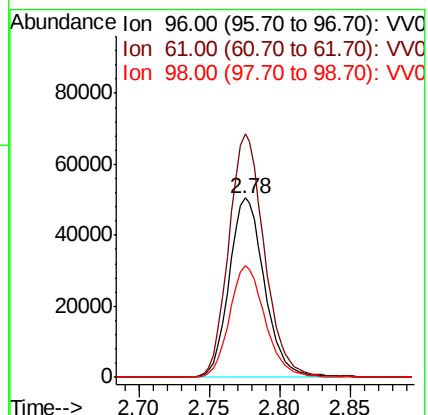
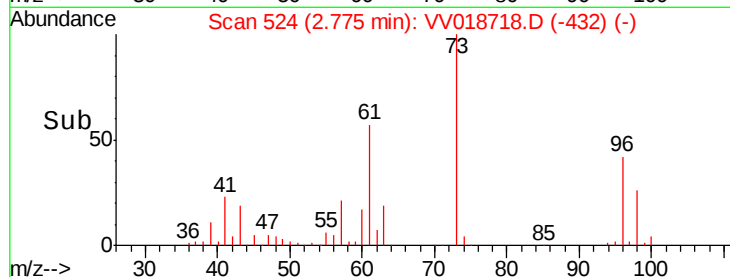
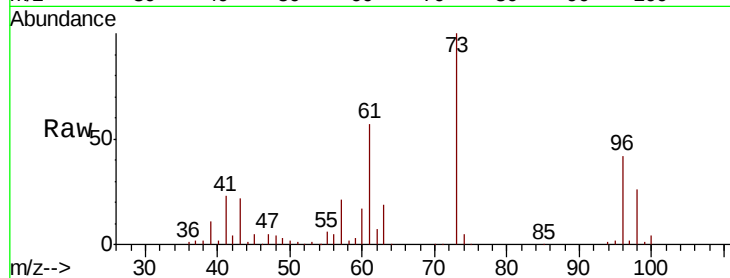
Tot Ion: 96 Resp: 88407

Ion Ratio Lower Upper

96 100

61 135.7 95.0 176.4

98 62.1 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 47.972 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

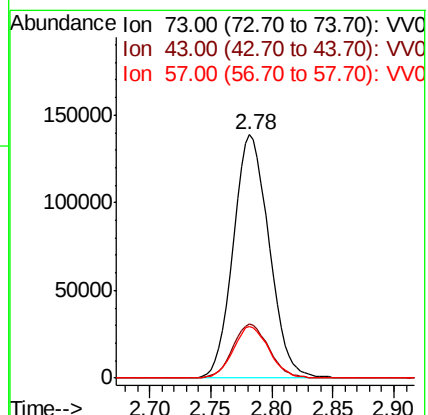
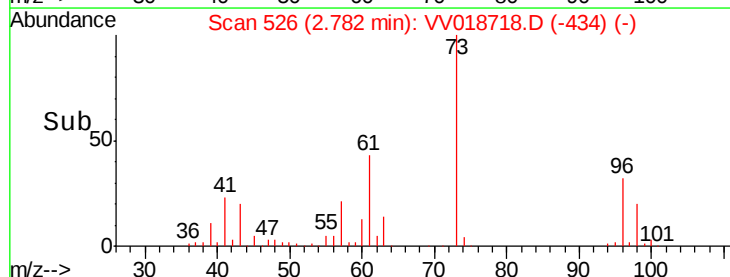
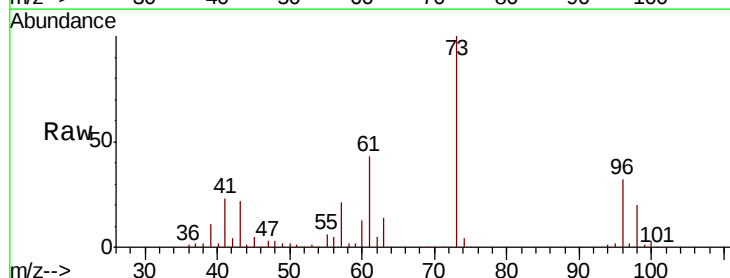
Tgt Ion: 73 Resp: 283297

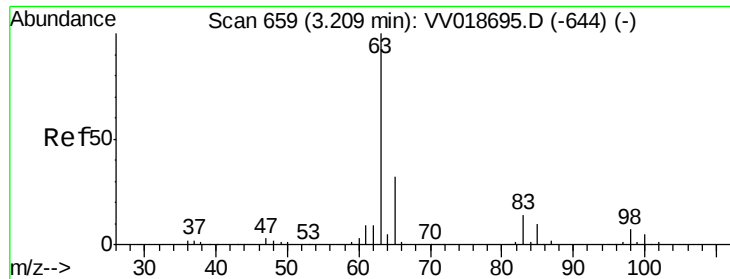
Ion Ratio Lower Upper

73 100

43 22.4 15.9 23.9

57 21.3 17.5 26.3

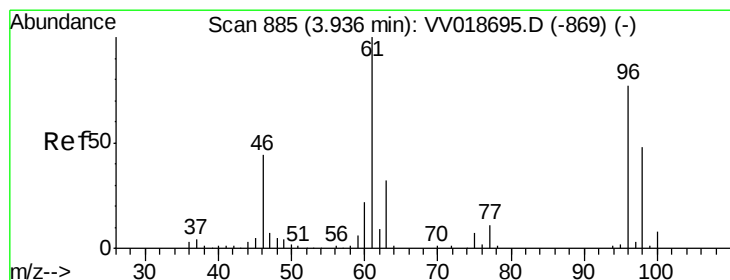
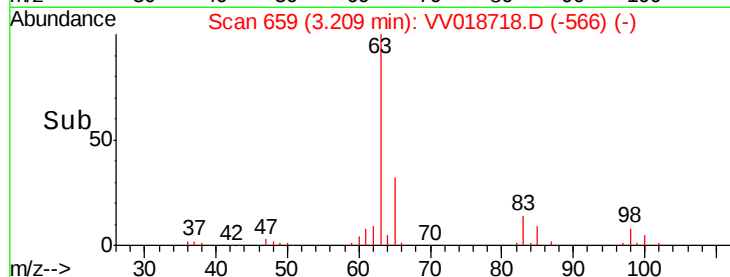
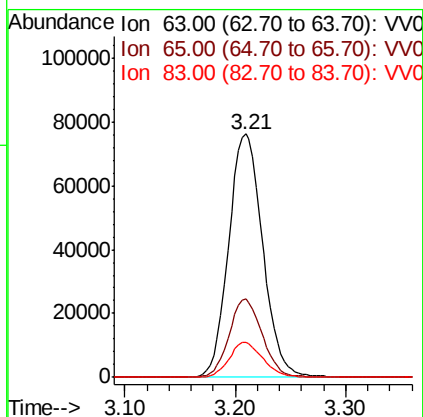
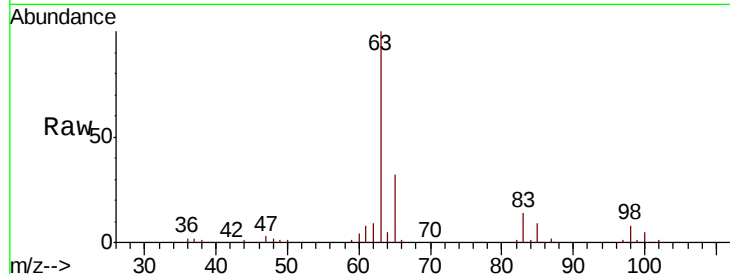




#19
 1,1-Dichloroethane
 Concen: 48.136 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018718.D
 Acq: 07 Oct 2020 03:07

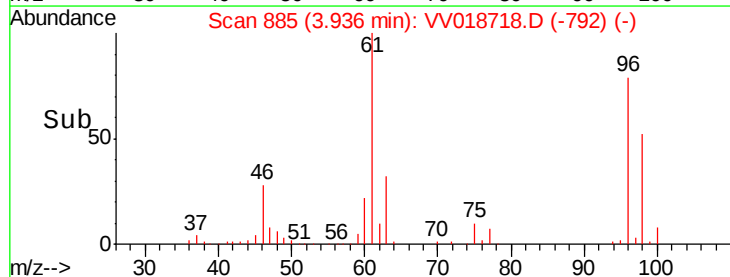
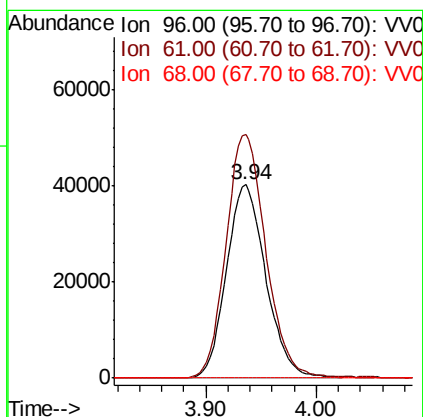
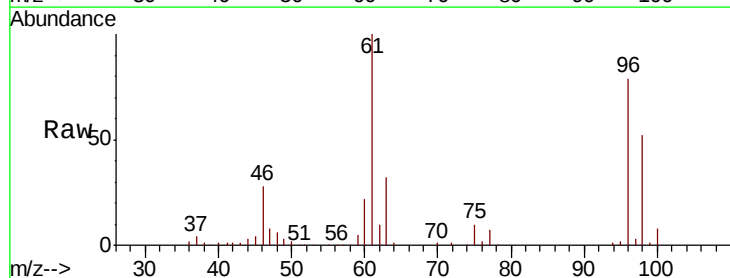
Instrument :
 MSVOA_V
 ClientSampled :

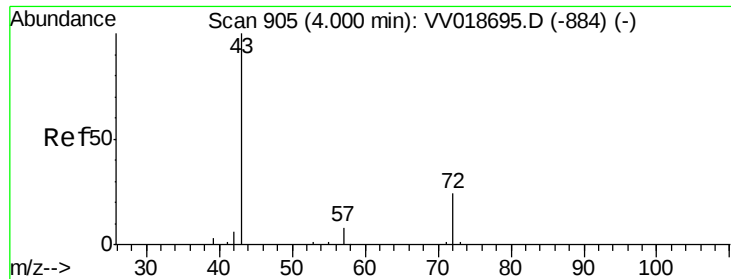
Tot Ion: 63 Resp: 163360
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.3 41.3
 83 14.5 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 48.314 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018718.D
 Acq: 07 Oct 2020 03:07

Tgt Ion: 96 Resp: 99521
 Ion Ratio Lower Upper
 96 100
 61 126.0 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 96.360 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.01 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

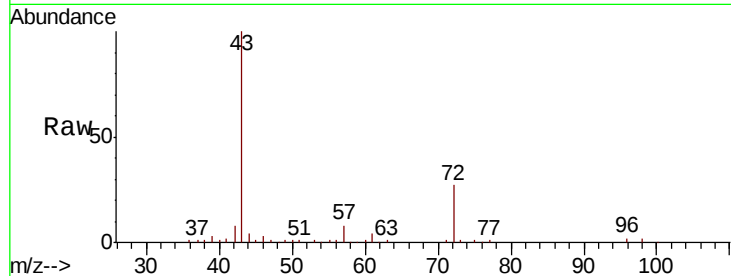
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 124838

Ion Ratio Lower Upper

43 100

72 24.5 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018695.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV018695.D (-884) (-)

3.99

50000

40000

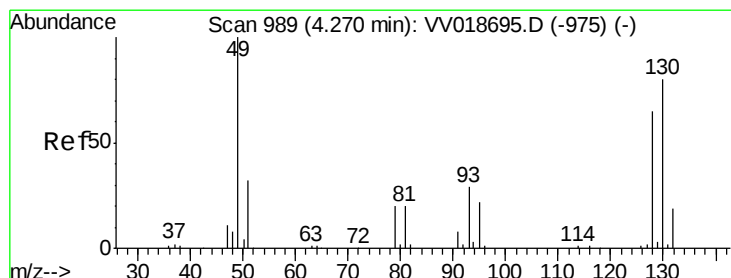
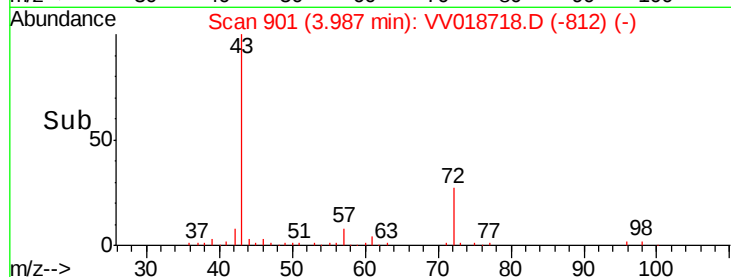
30000

20000

10000

0

Time-->



#23

Bromochloromethane

Concen: 45.281 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Tgt Ion: 128 Resp: 51290

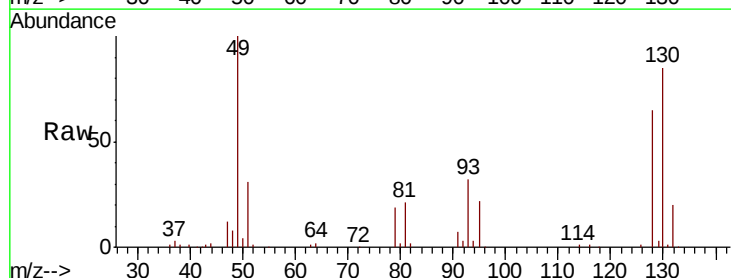
Ion Ratio Lower Upper

128 100

49 153.3 105.1 195.1

130 130.8 90.0 167.2

51 48.3 38.6 57.8



Abundance Ion 128.00 (127.70 to 128.70): VV018695.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV018695.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV018695.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV018695.D (-975) (-)

50000

40000

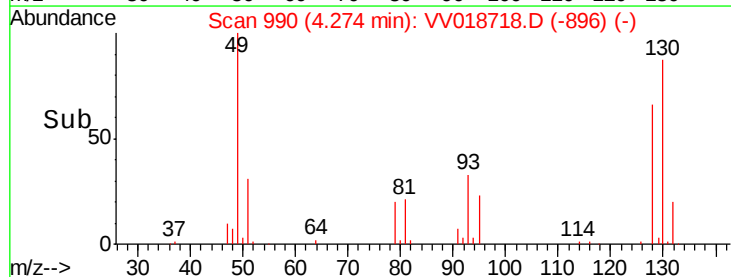
30000

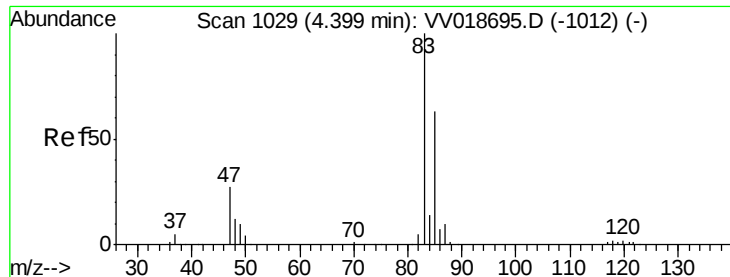
20000

10000

0

Time-->

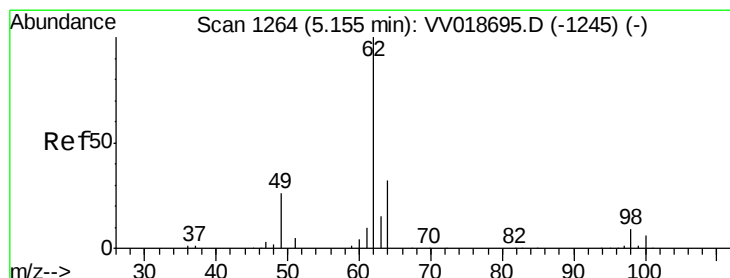
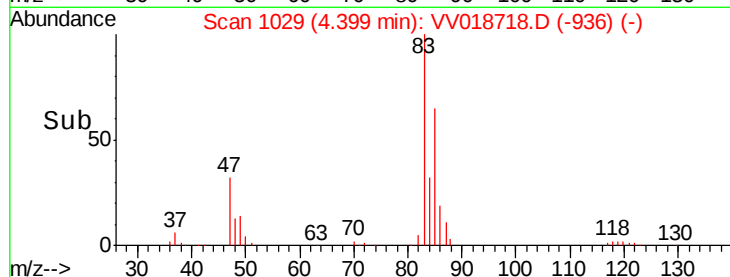
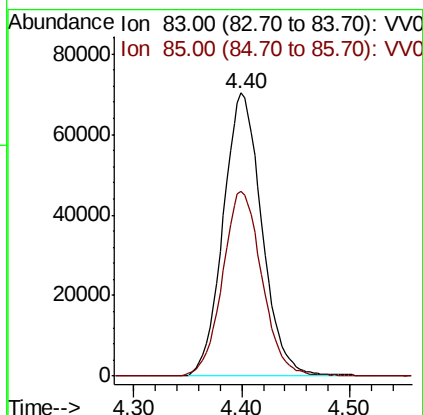
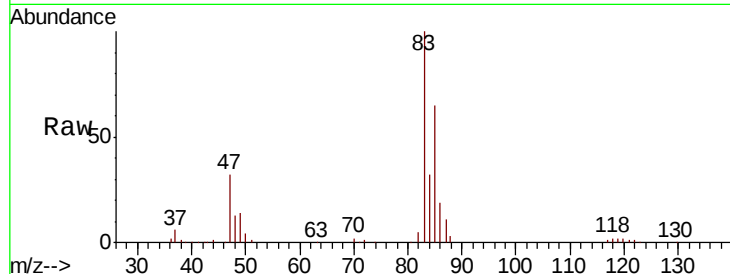




#25
Chloroform
Concen: 48.950 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018718.D
Acq: 07 Oct 2020 03:07

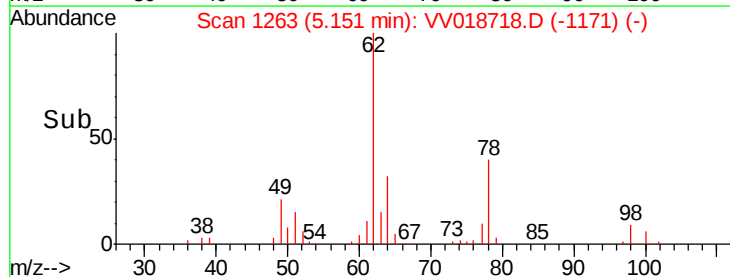
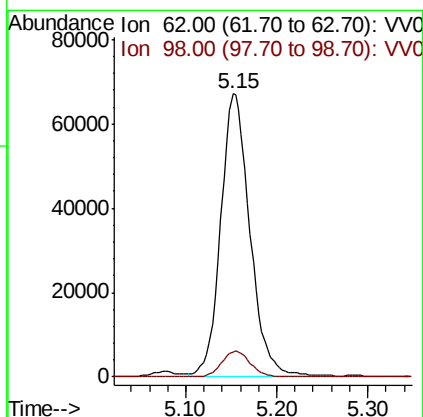
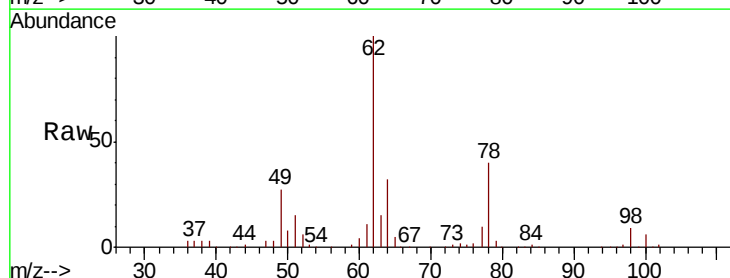
Instrument :
MSVOA_V
ClientSampleId :

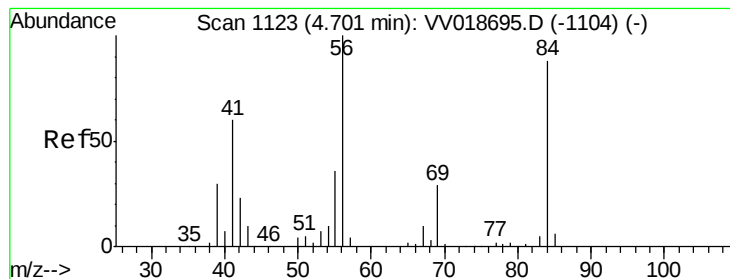
Tot Ion: 83 Resp: 175408
Ion Ratio Lower Upper
83 100
85 65.2 46.2 85.8



#27
1,2-Dichloroethane
Concen: 53.589 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018718.D
Acq: 07 Oct 2020 03:07

Tgt Ion: 62 Resp: 149677
Ion Ratio Lower Upper
62 100
98 8.8 7.7 11.5





#29

Cyclohexane

Concen: 43.459 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :
MSVOA_V
ClientSampleId :

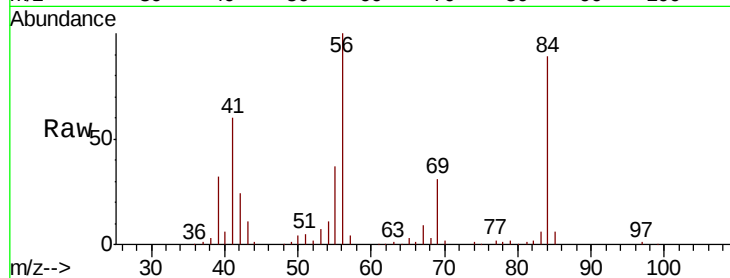
Tot Ion: 56 Resp: 131684

Ion Ratio Lower Upper

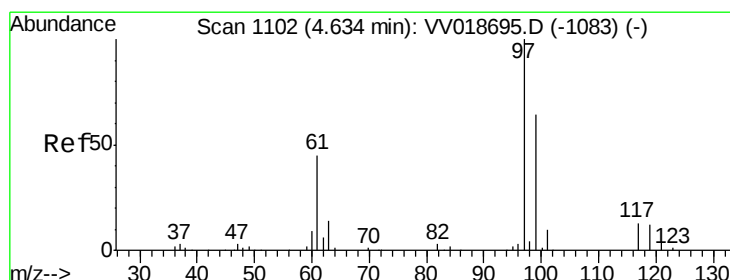
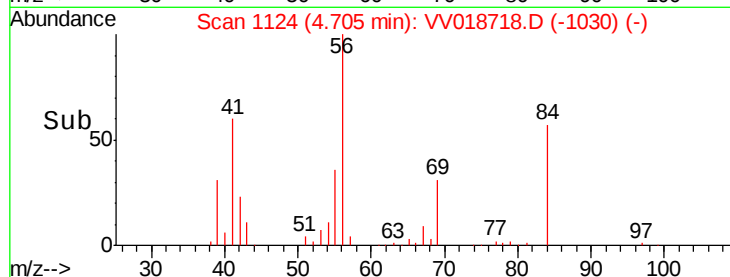
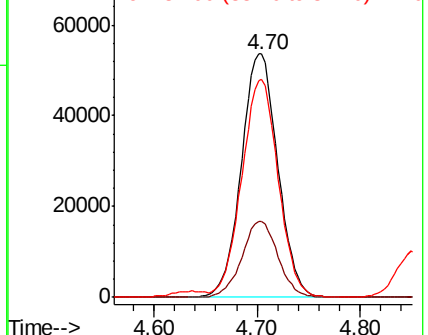
56 100

69 30.7 24.8 37.2

84 89.8 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: 48.318 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

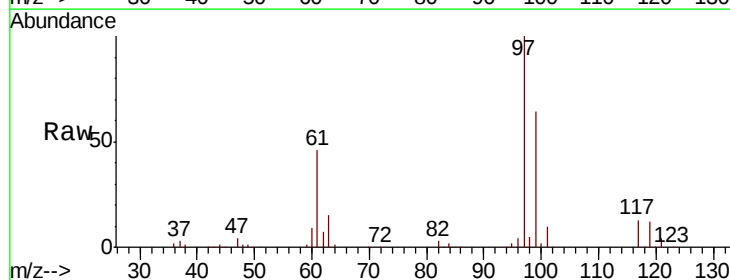
Tgt Ion: 97 Resp: 159365

Ion Ratio Lower Upper

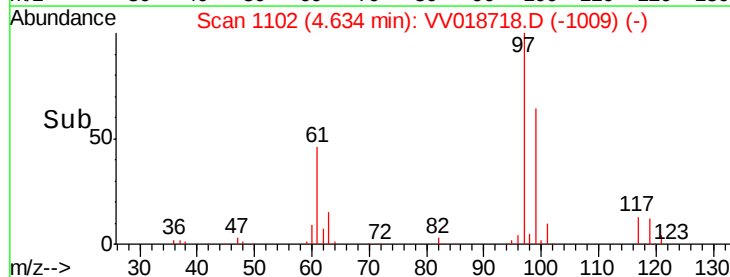
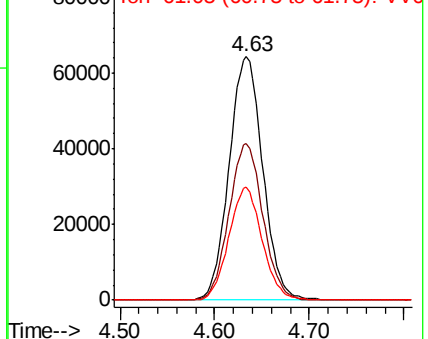
97 100

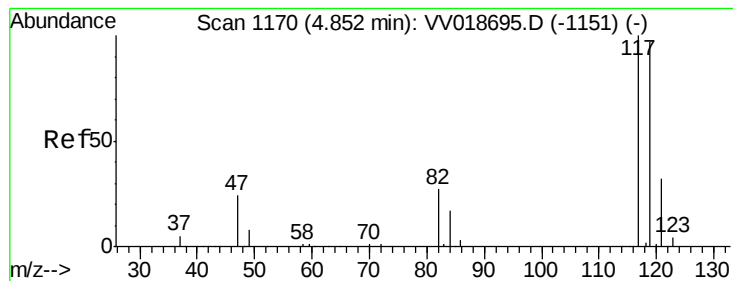
99 64.5 51.4 77.0

61 46.0 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: 47.528 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

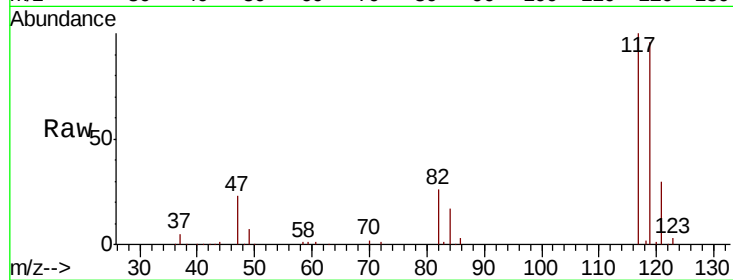
ClientSampleId :

Tot Ion:117 Resp: 140687

Ion Ratio Lower Upper

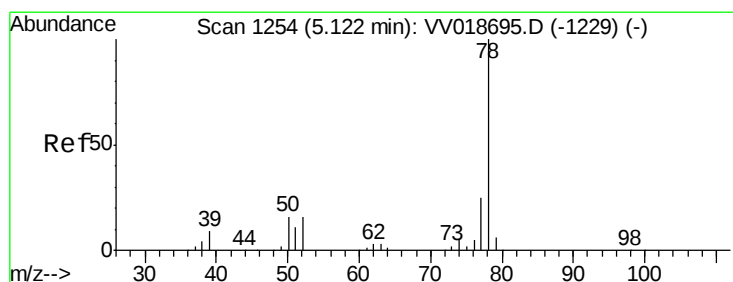
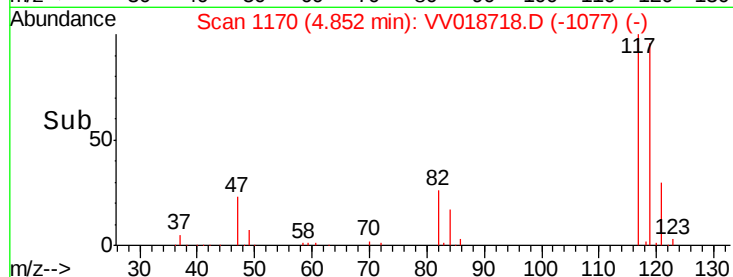
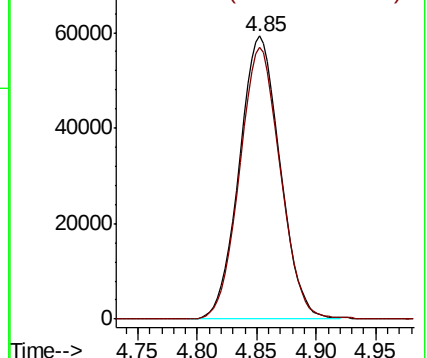
117 100

119 95.7 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.012 ug/L

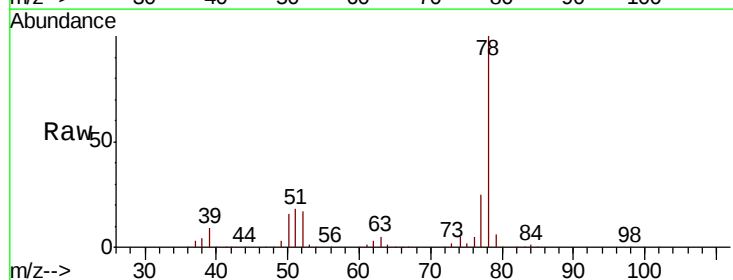
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

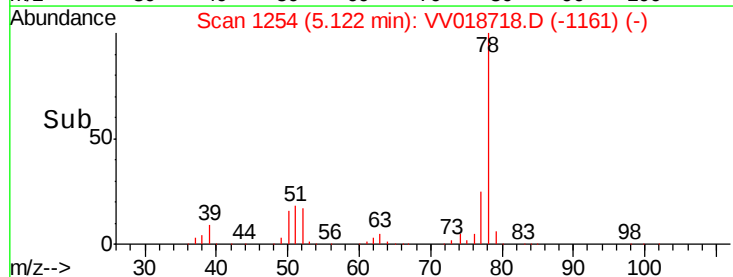
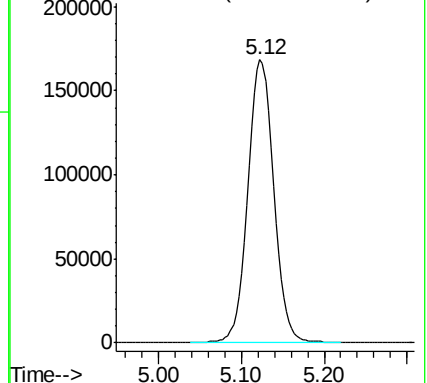
Lab File: VV018718.D

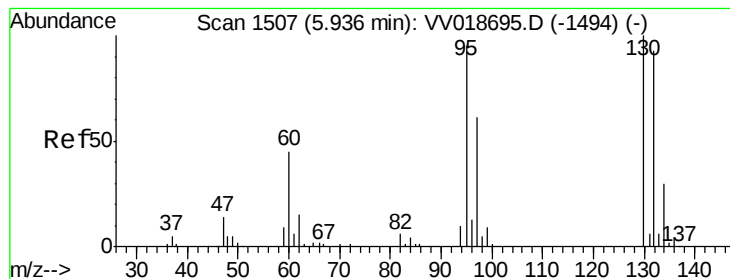
Acq: 07 Oct 2020 03:07

Tgt Ion: 78 Resp: 366934



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.325 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 114035

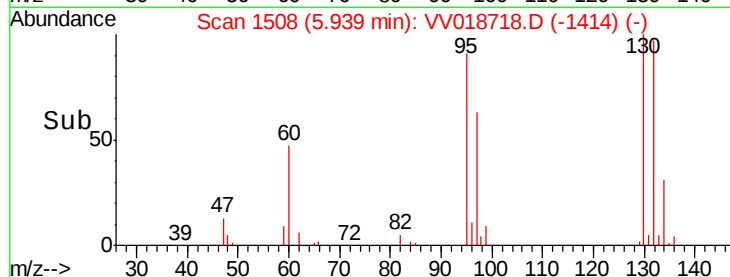
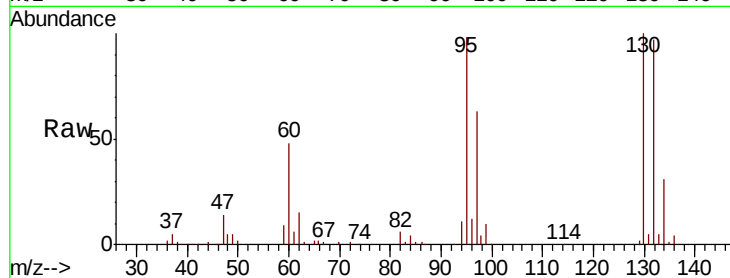
Ion Ratio Lower Upper

95 100

97 64.4 45.9 85.3

132 98.8 70.8 131.4

130 102.1 75.3 139.8

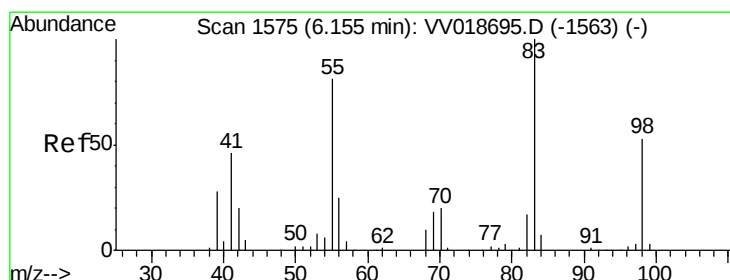
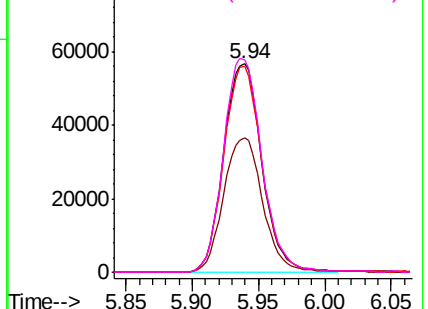


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 42.020 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

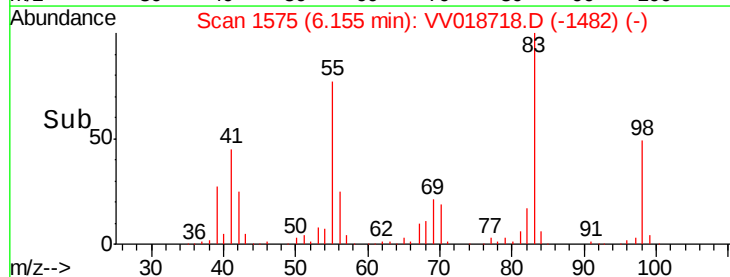
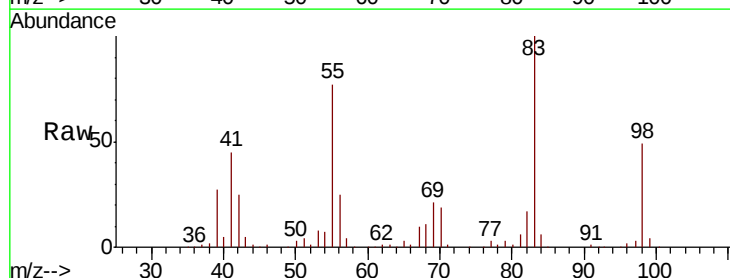
Tgt Ion: 83 Resp: 128444

Ion Ratio Lower Upper

83 100

55 78.1 60.1 90.1

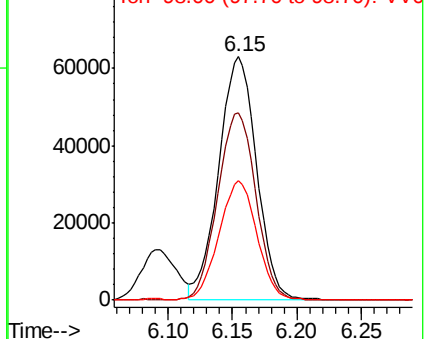
98 49.4 40.2 60.4

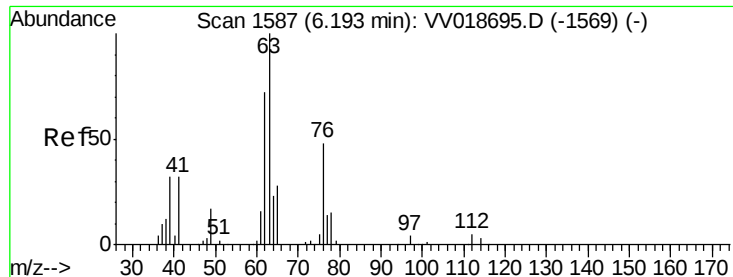


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

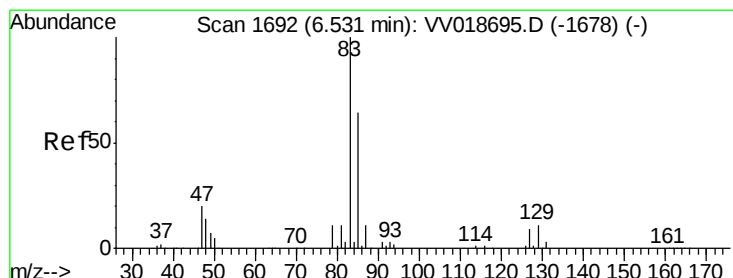
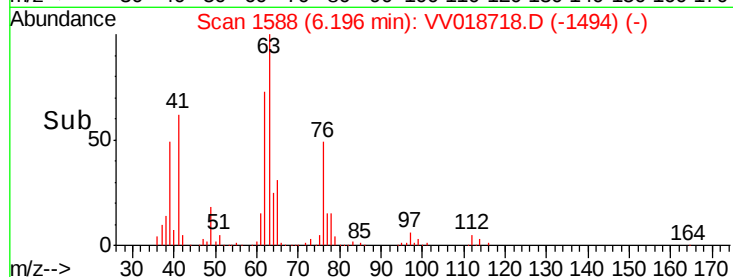
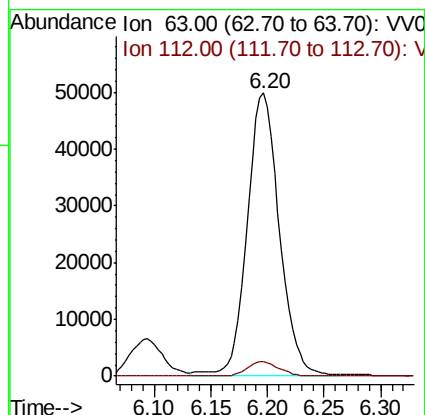
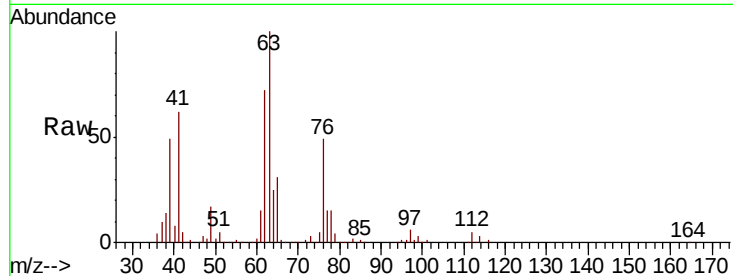




#37
 1,2-Dichloropropane
 Concen: 49.283 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018718.D
 Acq: 07 Oct 2020 03:07

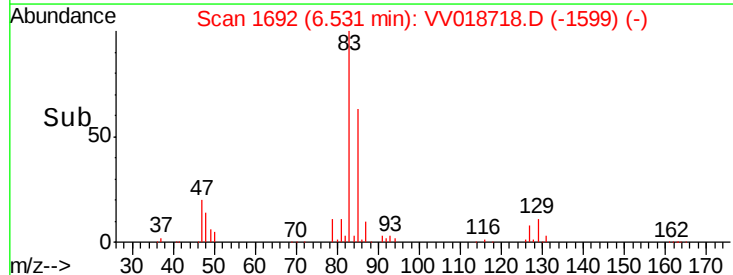
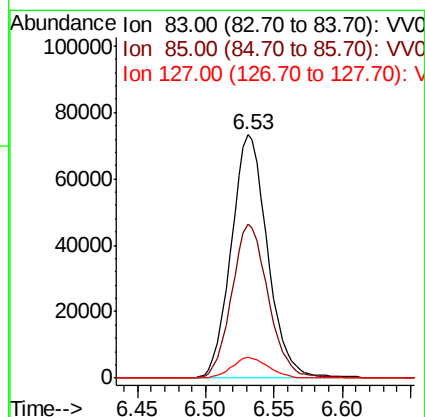
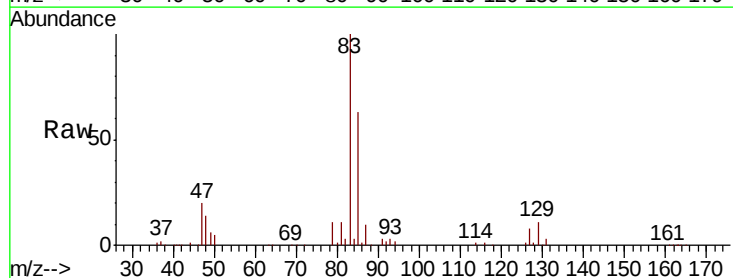
Instrument :
 MSVOA_V
 ClientSampleId :

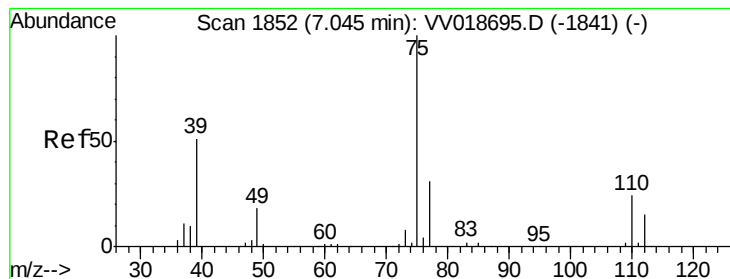
Tot Ion: 63 Resp: 98690
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#38
 Bromodichloromethane
 Concen: 50.373 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018718.D
 Acq: 07 Oct 2020 03:07

Tgt Ion: 83 Resp: 135091
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.5 82.7
 127 8.4 7.2 10.8



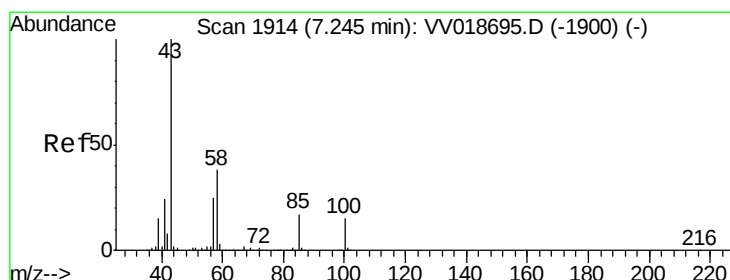
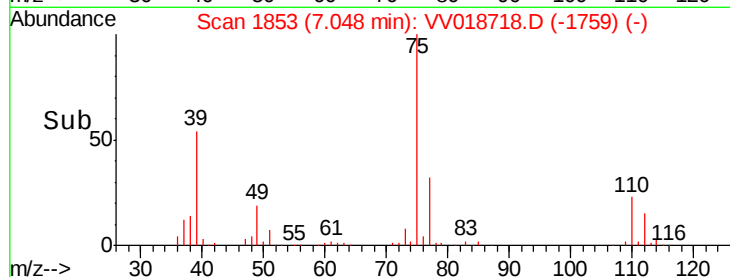
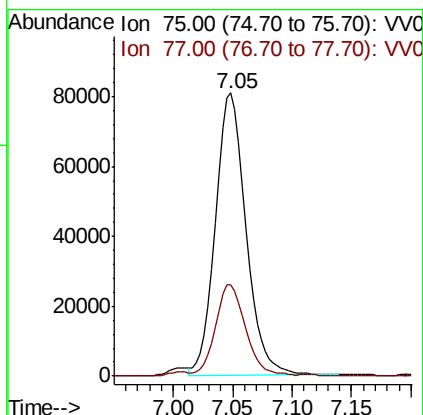
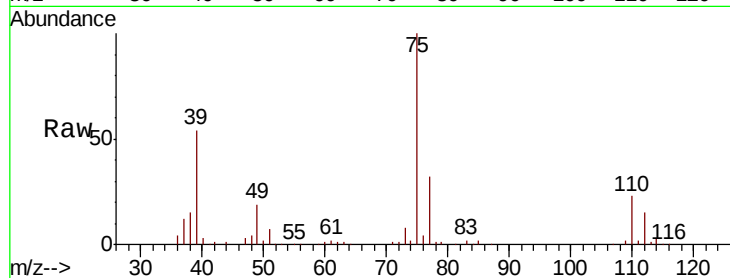


#39

cis-1,3-Dichloropropene
 Concen: 45.967 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018718.D
 Acq: 07 Oct 2020 03:07

Instrument :
 MSVOA_V
 ClientSampleId :

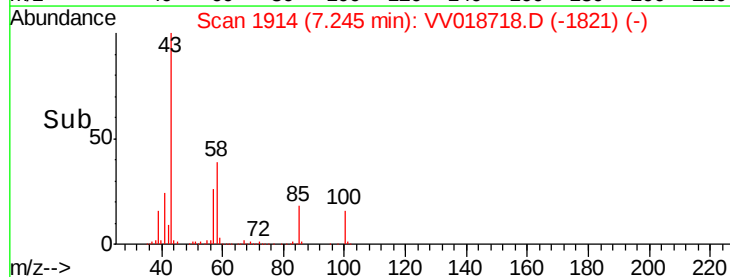
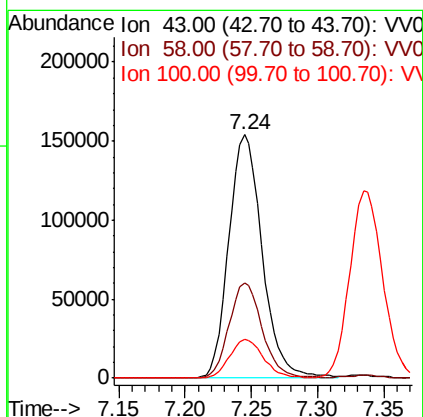
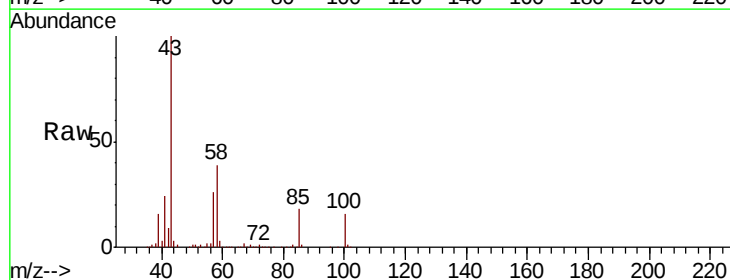
Tot Ion: 75 Resp: 144419
 Ion Ratio Lower Upper
 75 100
 77 32.2 23.0 42.6

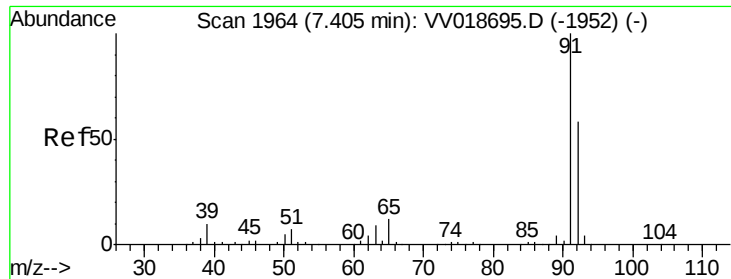


#40

4-Methyl-2-pentanone
 Concen: 104.608 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018718.D
 Acq: 07 Oct 2020 03:07

Tgt Ion: 43 Resp: 270302
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.8 47.6
 100 16.0 13.4 20.0





#42

Toluene

Concen: 48.127 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

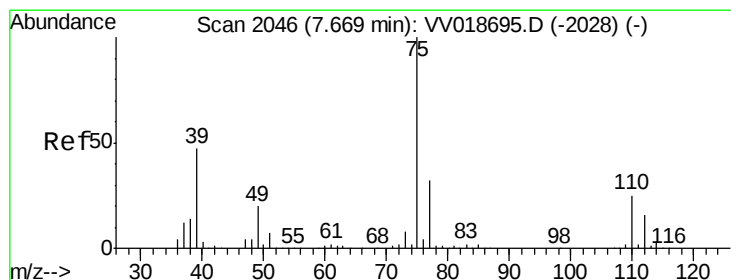
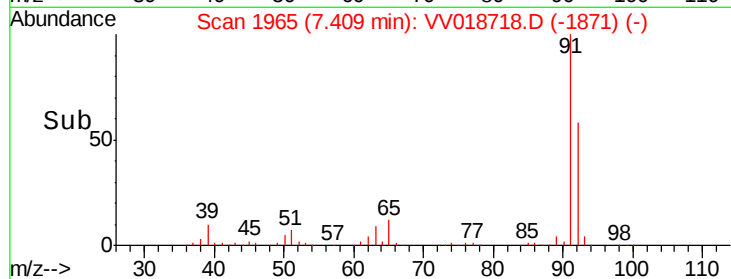
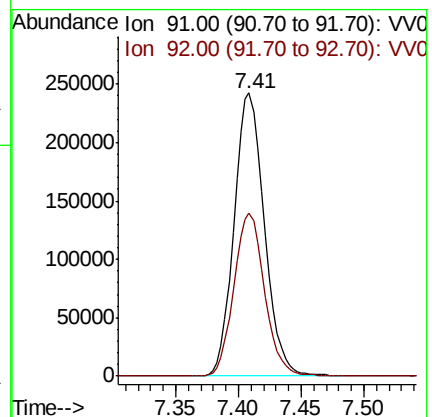
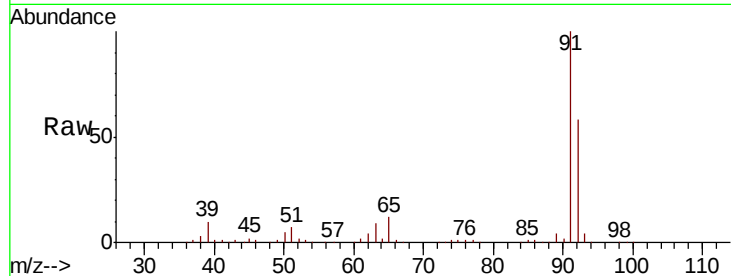
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 406363

Ion Ratio Lower Upper

91 100

92 57.5 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 48.597 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018718.D

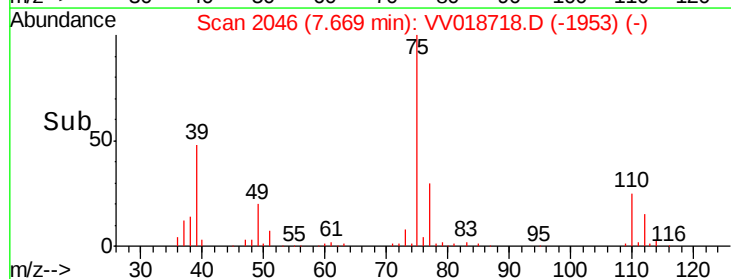
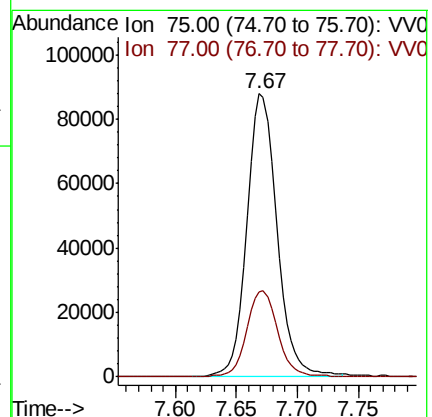
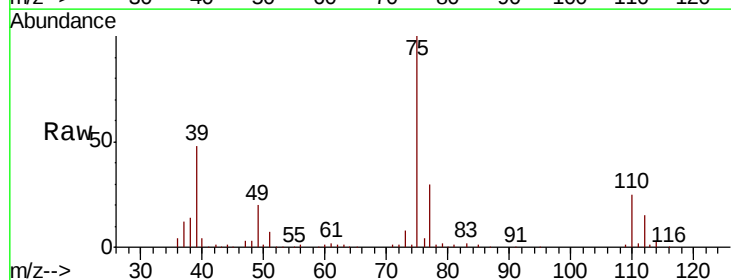
Acq: 07 Oct 2020 03:07

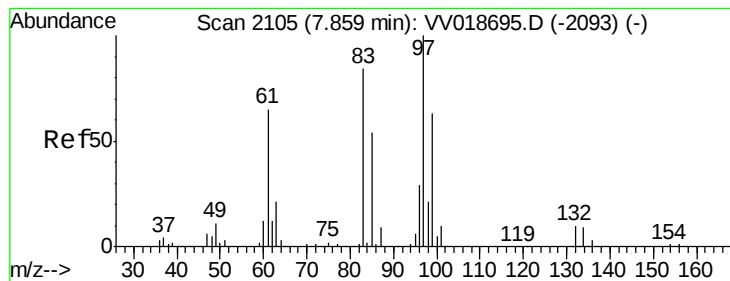
Tgt Ion: 75 Resp: 149985

Ion Ratio Lower Upper

75 100

77 29.9 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 48.770 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 96680

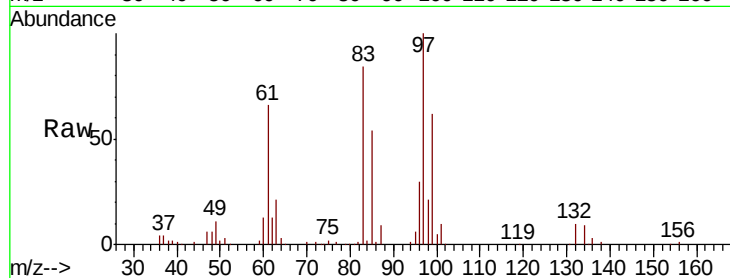
Ion Ratio Lower Upper

97 100

99 61.6 43.3 80.3

83 84.4 60.5 112.5

85 53.7 38.3 71.1

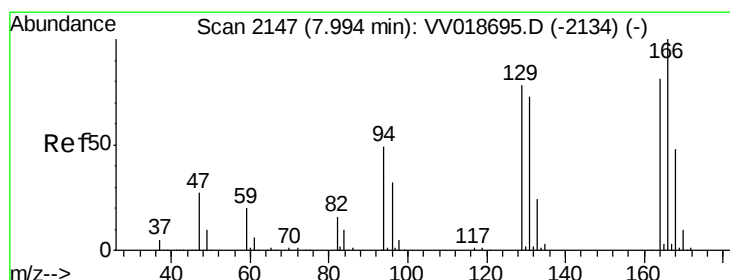
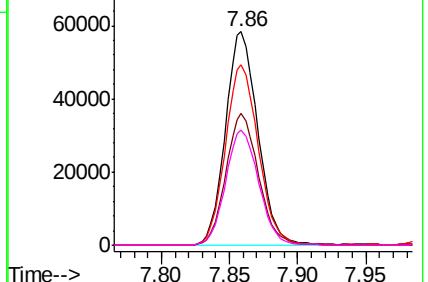
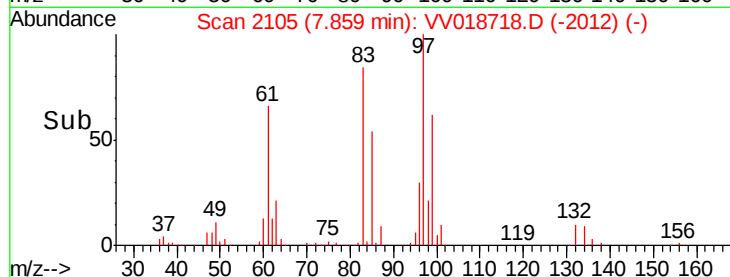


Abundance Ion 97.00 (96.70 to 97.70): VV018718.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV018718.D (-2012) (-)

Ion 83.00 (82.70 to 83.70): VV018718.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV018718.D (-2012) (-)



#46

Tetrachloroethene

Concen: 43.528 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Tgt Ion: 164 Resp: 80019

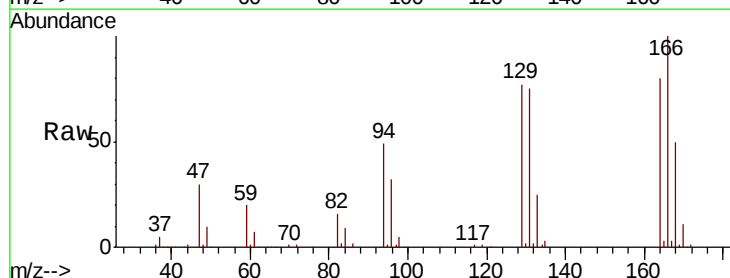
Ion Ratio Lower Upper

164 100

129 95.7 62.8 116.6

131 93.8 60.8 112.8

166 124.4 88.9 165.1

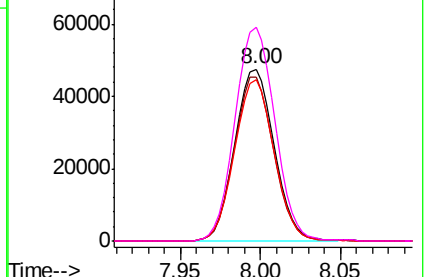
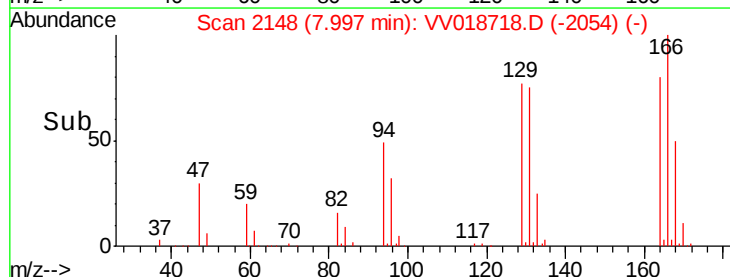


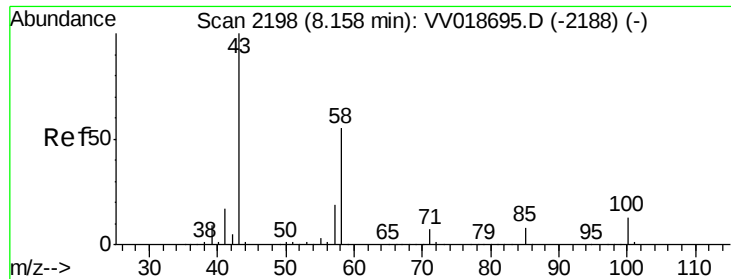
Abundance Ion 164.00 (163.70 to 164.70): VV018718.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV018718.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV018718.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV018718.D (-2054) (-)

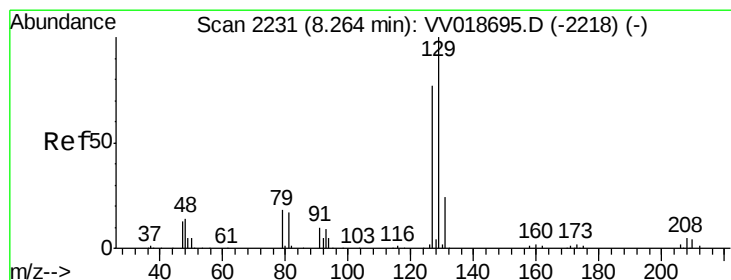
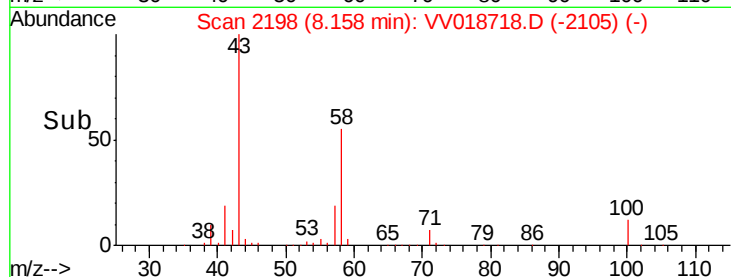
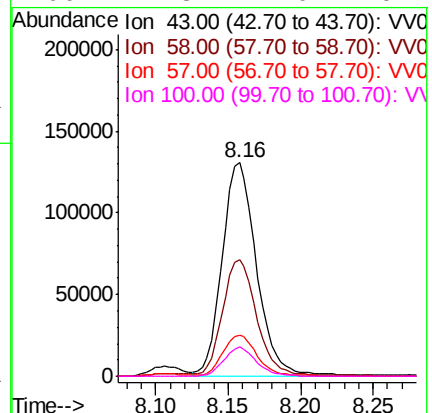
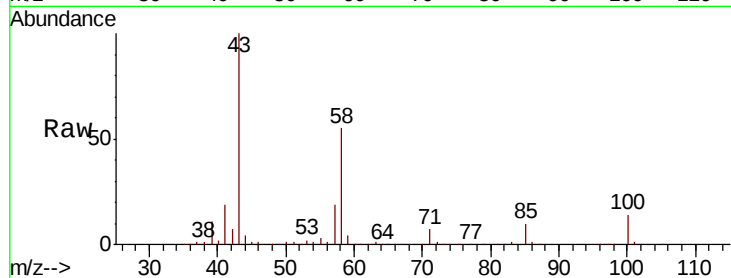




#48
2-Hexanone
Concen: 106.668 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018718.D
Acq: 07 Oct 2020 03:07

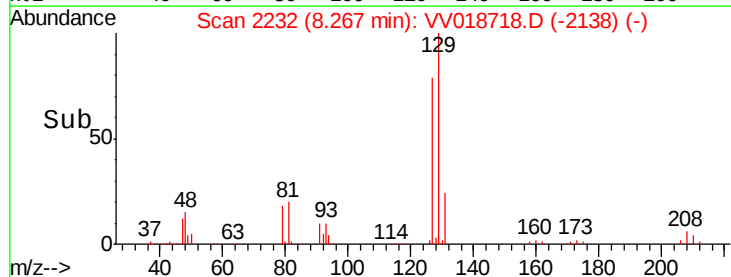
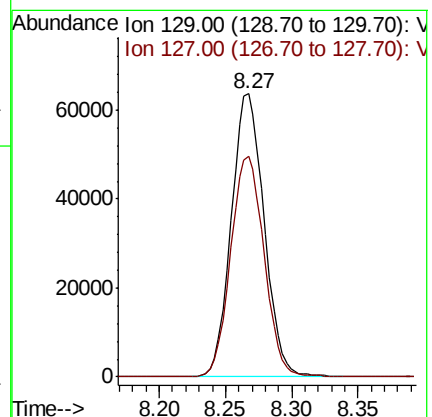
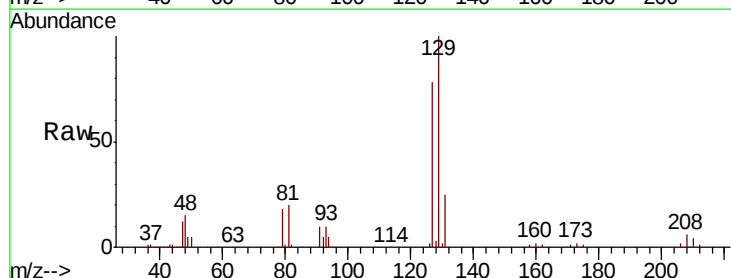
Instrument :
MSVOA_V
ClientSampleId :

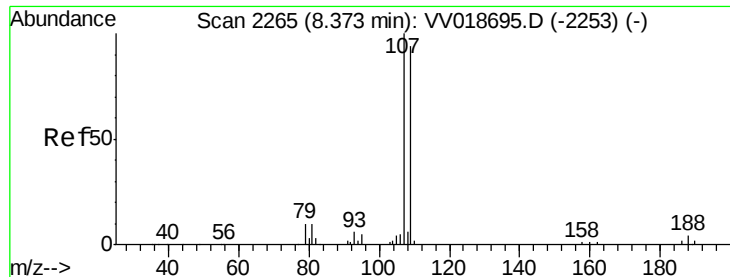
Tot Ion: 43 Resp: 215054
Ion Ratio Lower Upper
43 100
58 52.7 45.1 67.7
57 19.3 15.7 23.5
100 12.8 11.0 16.4



#49
Dibromochloromethane
Concen: 48.318 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018718.D
Acq: 07 Oct 2020 03:07

Tgt Ion: 129 Resp: 109554
Ion Ratio Lower Upper
129 100
127 78.0 54.1 100.5

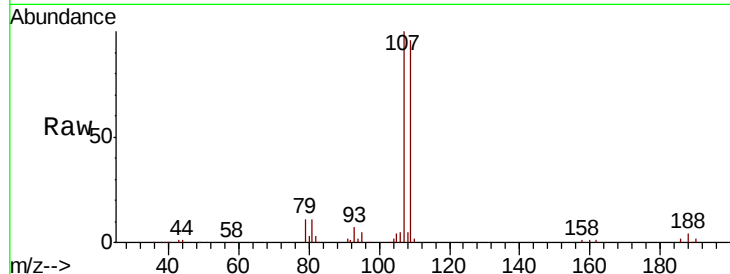




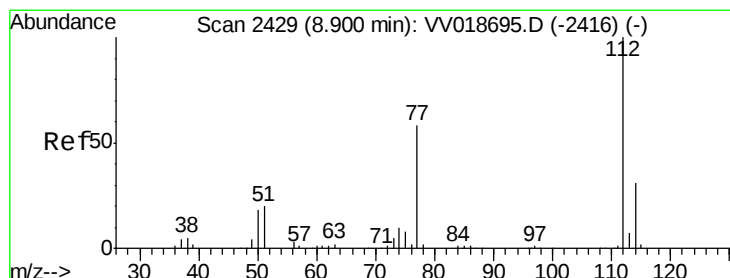
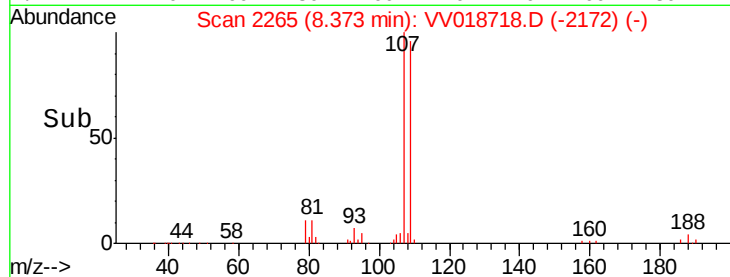
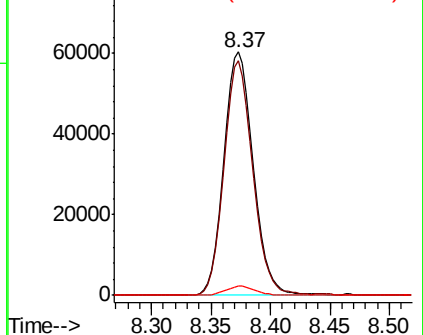
#50
1,2-Dibromoethane
Concen: 49.043 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018718.D
Acq: 07 Oct 2020 03:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	65.1	120.9
188	3.8	3.7	5.5

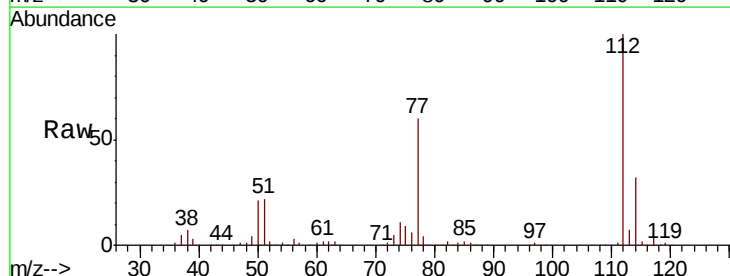


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

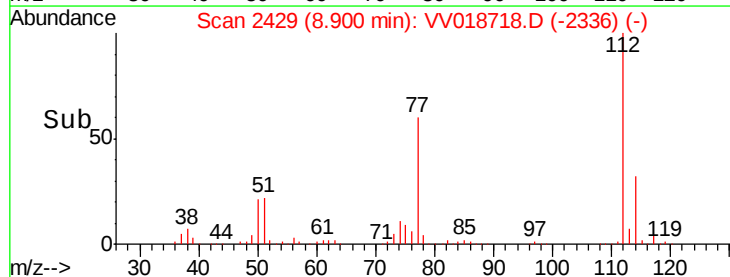
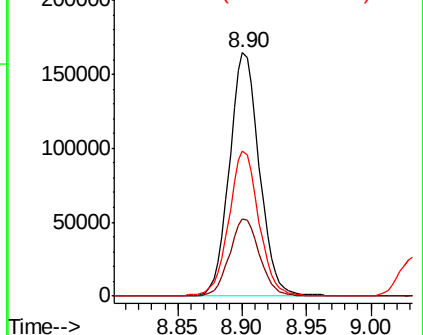


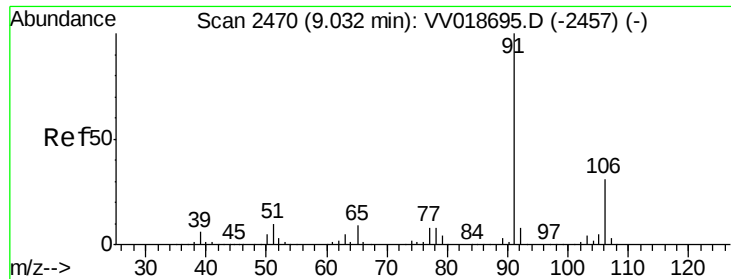
#51
Chlorobenzene
Concen: 46.451 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018718.D
Acq: 07 Oct 2020 03:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.4	41.6
77	59.7	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

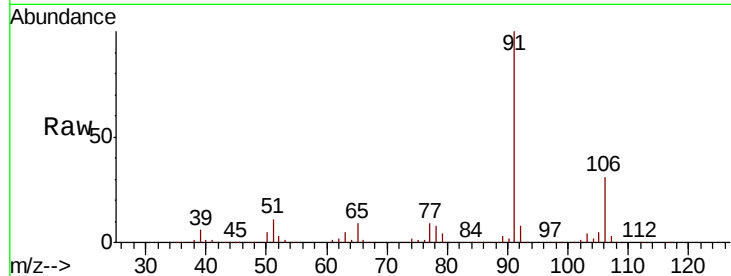




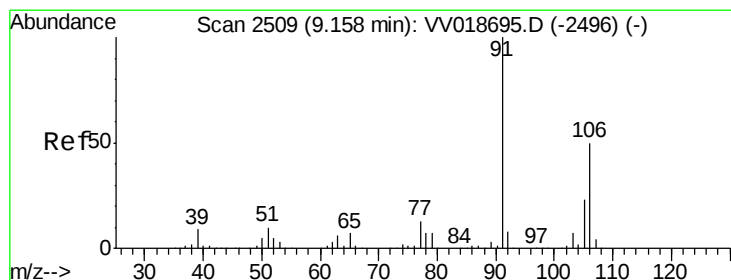
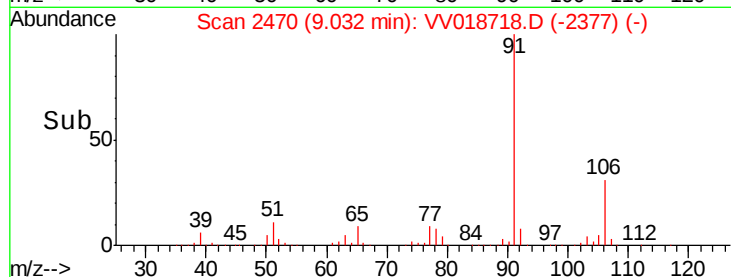
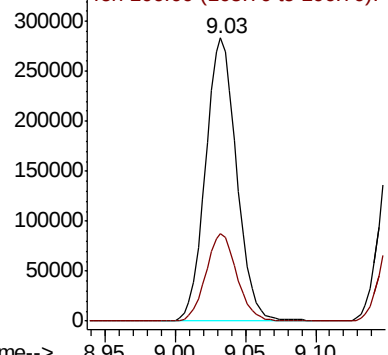
#52
Ethylbenzene
Concen: 46.353 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV018718.D
Acq: 07 Oct 2020 03:07

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 437089
Ion Ratio Lower Upper
91 100
106 31.1 21.9 40.7

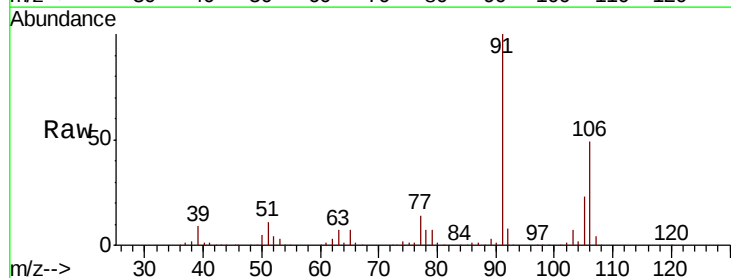


Abundance Ion 91.00 (90.70 to 91.70): VV018695.D (-2457) (-)
Ion 106.00 (105.70 to 106.70): VV018695.D (-2457) (-)

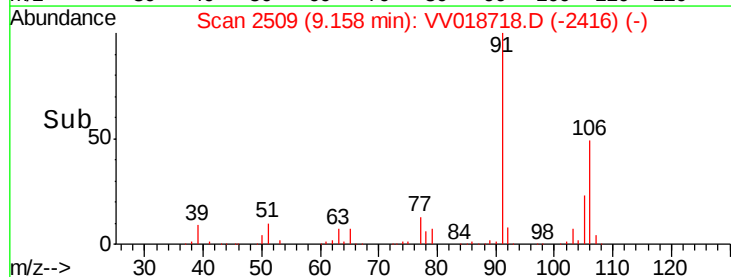
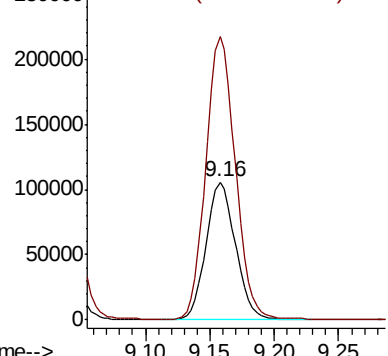


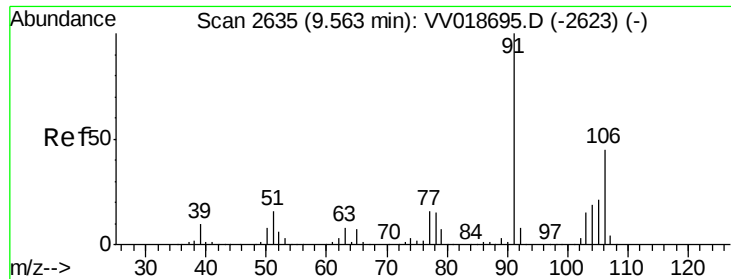
#53
m,p-Xylene
Concen: 45.719 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018718.D
Acq: 07 Oct 2020 03:07

Tgt Ion: 106 Resp: 166605
Ion Ratio Lower Upper
106 100
91 205.5 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018695.D (-2496) (-)
Ion 91.00 (90.70 to 91.70): VV018695.D (-2496) (-)





#54

o-xylene

Concen: 46.890 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

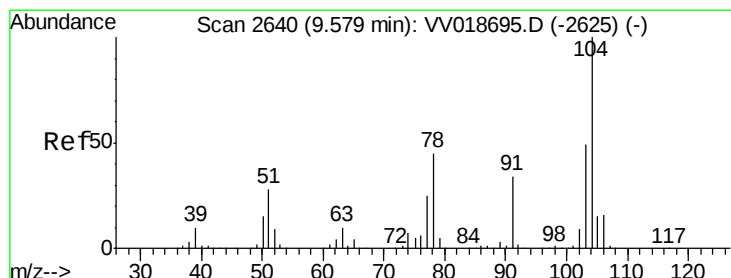
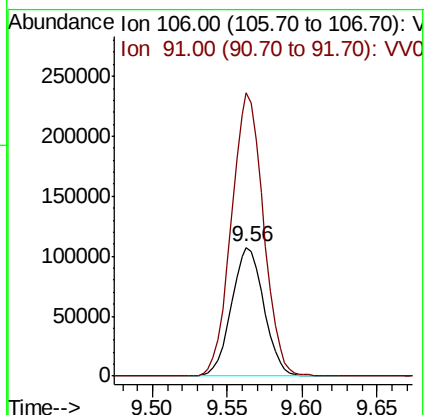
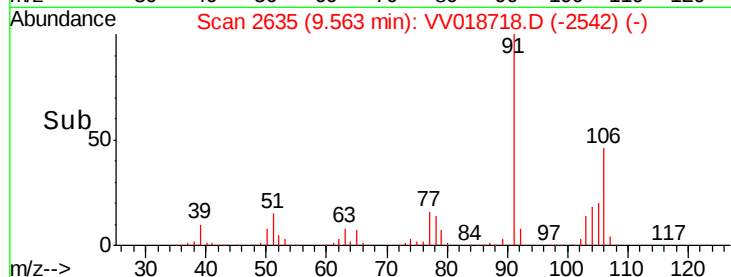
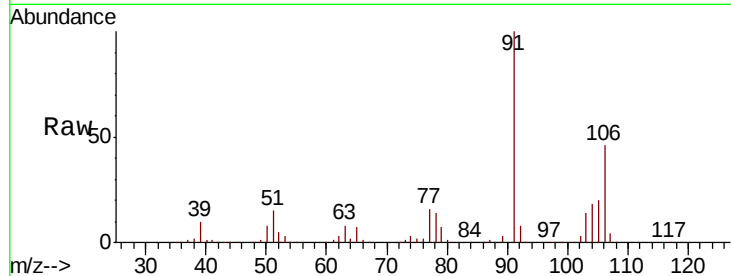
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 161776

Ion Ratio Lower Upper

106 100

91 219.7 151.0 280.4



#55

Styrene

Concen: 48.732 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018718.D

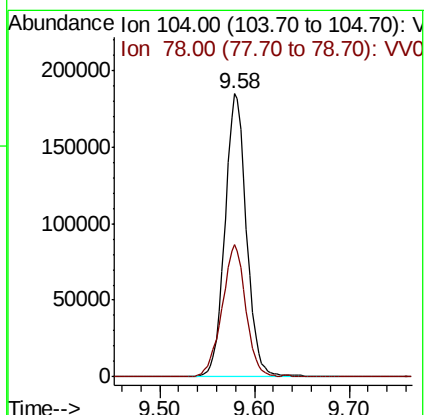
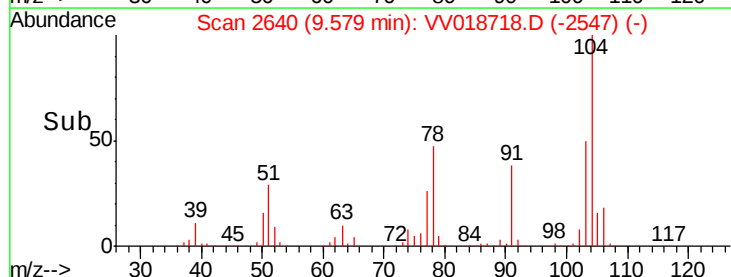
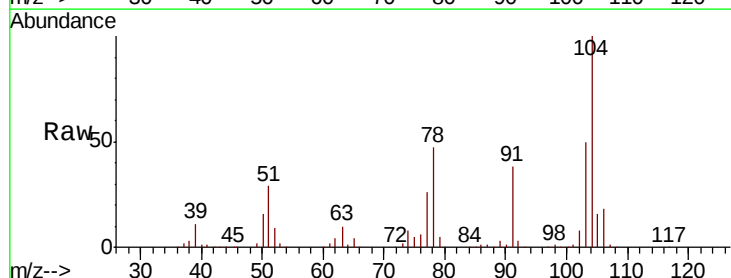
Acq: 07 Oct 2020 03:07

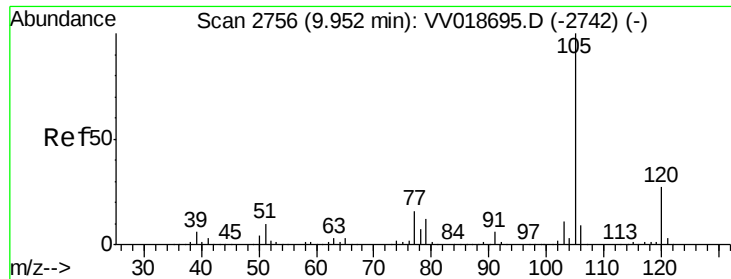
Tgt Ion:104 Resp: 292753

Ion Ratio Lower Upper

104 100

78 46.6 30.2 56.2





#56

Isopropylbenzene

Concen: 45.450 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

ClientSampleId :

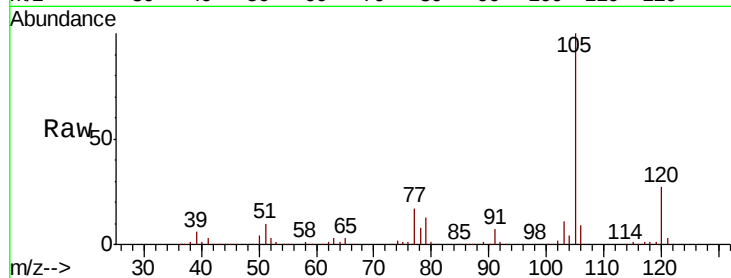
Tot Ion:105 Resp: 420550

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

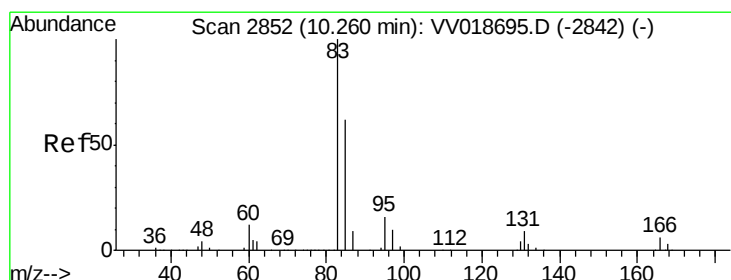
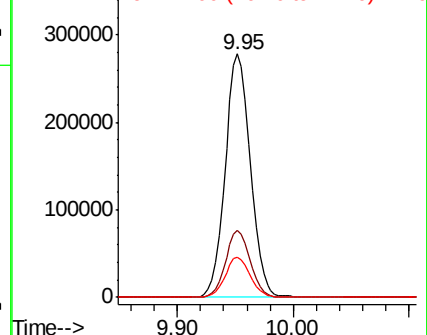
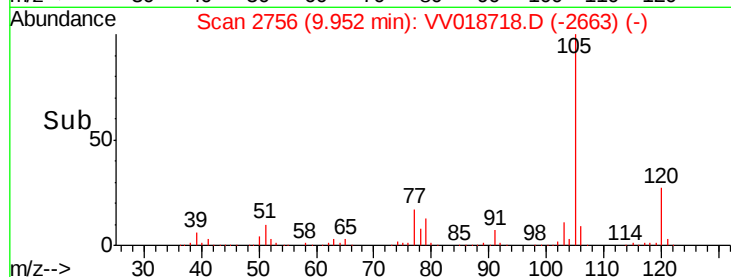
77 16.5 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.385 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

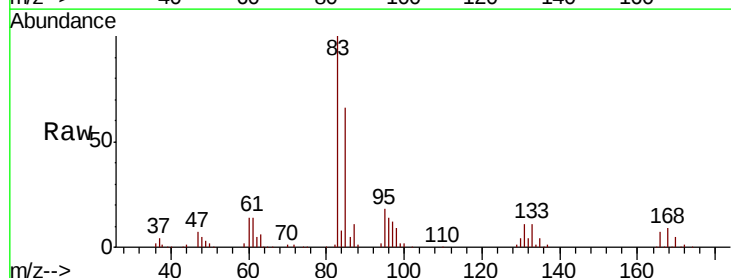
Tgt Ion: 83 Resp: 137992

Ion Ratio Lower Upper

83 100

85 66.1 44.5 82.7

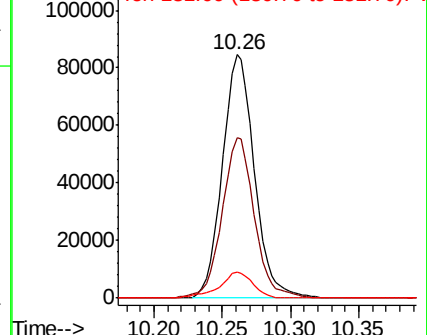
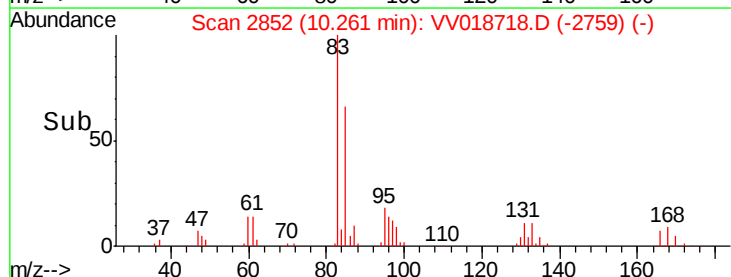
131 10.7 8.6 12.8

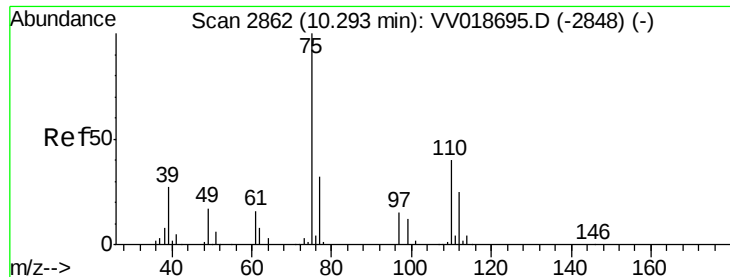


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.200 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

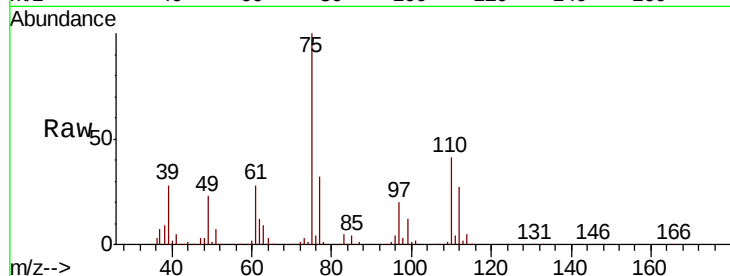
ClientSampled :

Tot Ion: 75 Resp: 124711

Ion Ratio Lower Upper

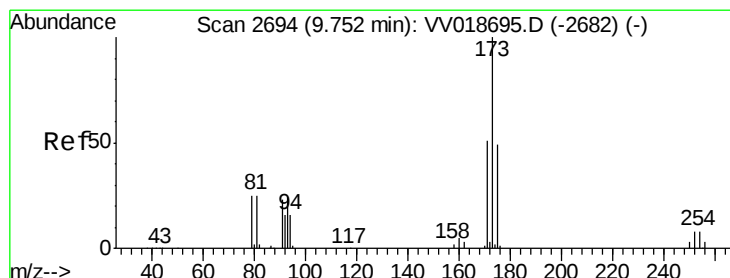
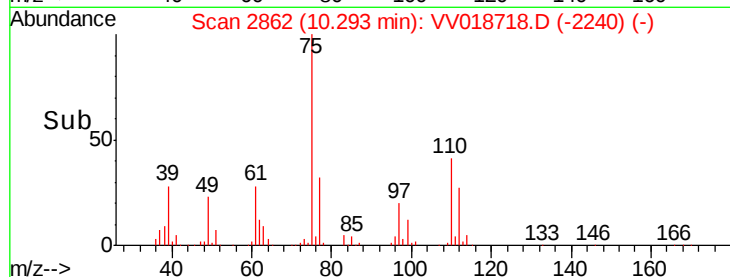
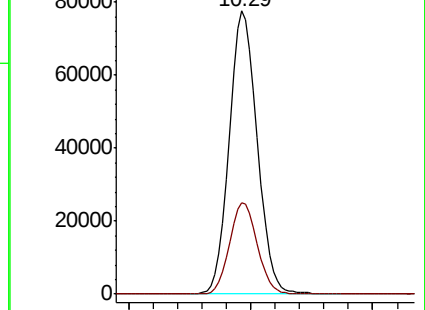
75 100

77 31.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV018695.D (-2848) (-)

Ion 77.00 (76.70 to 77.70): VV018695.D (-2848) (-)



#61

Bromoform

Concen: 42.502 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

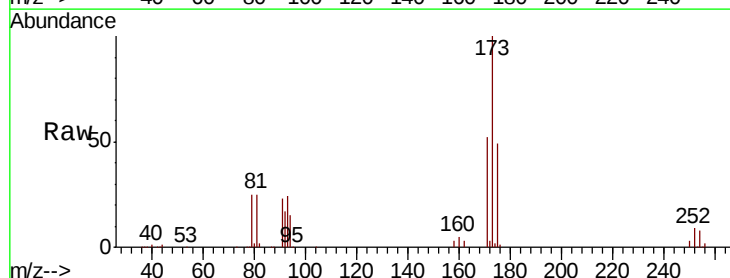
Tgt Ion: 173 Resp: 72511

Ion Ratio Lower Upper

173 100

175 48.6 39.8 59.8

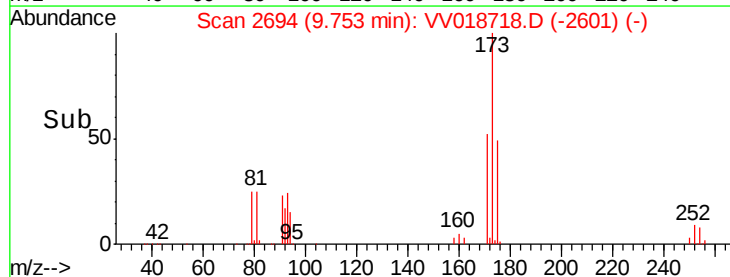
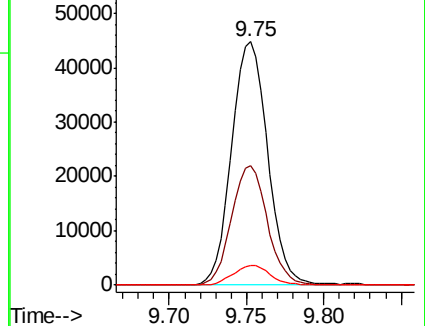
254 8.3 8.5 12.7#

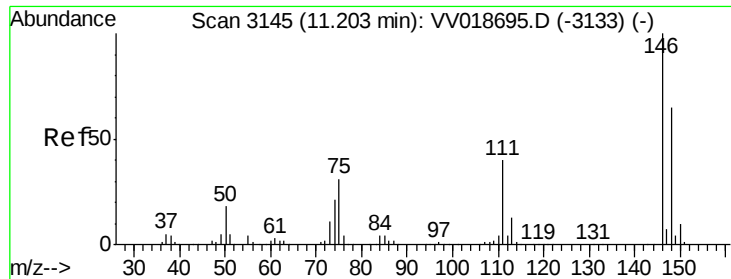


Abundance Ion 173.00 (172.70 to 173.70): VV018695.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018695.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018695.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 47.390 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

ClientSampleId :

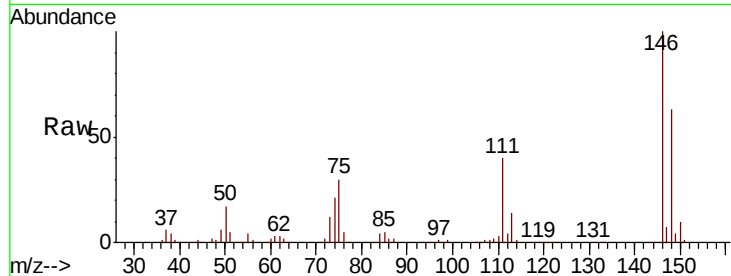
Tot Ion:146 Resp: 227792

Ion Ratio Lower Upper

146 100

111 40.5 26.8 49.8

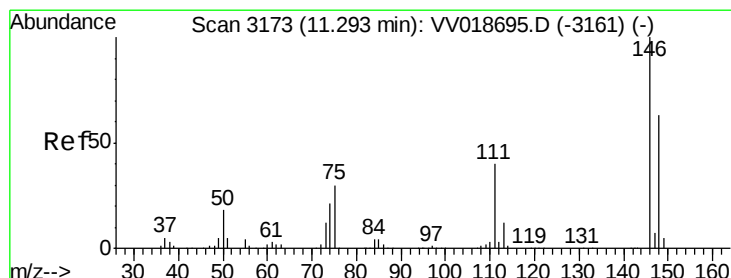
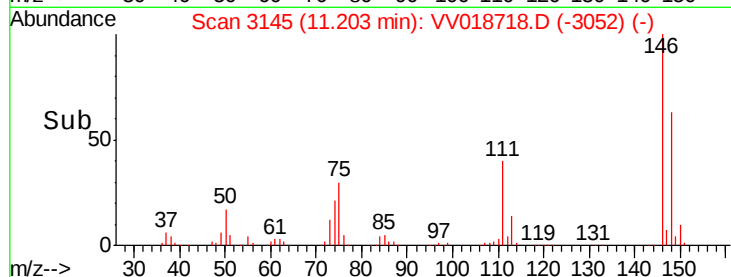
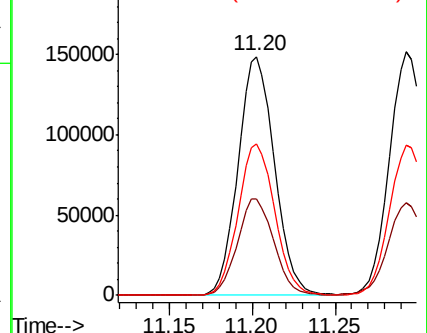
148 63.3 44.0 81.8



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: 46.984 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

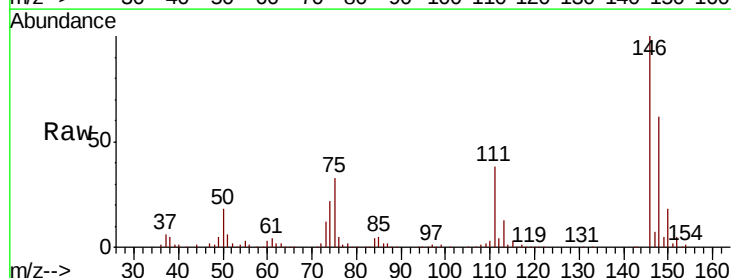
Tgt Ion:146 Resp: 232558

Ion Ratio Lower Upper

146 100

111 38.0 26.2 48.6

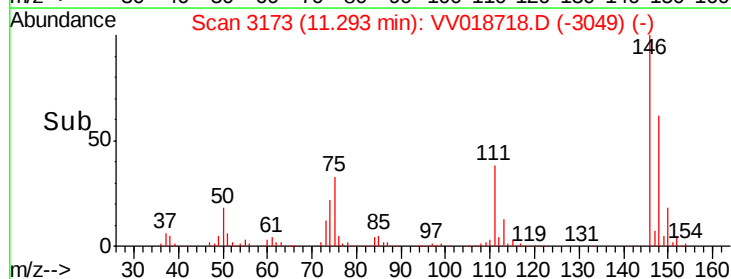
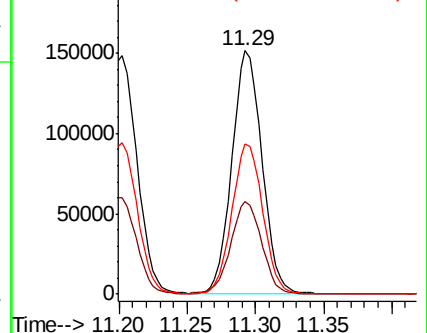
148 61.6 44.4 82.5

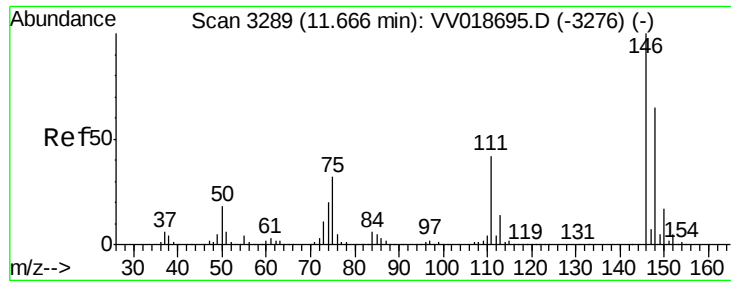


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.569 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

ClientSampleId :

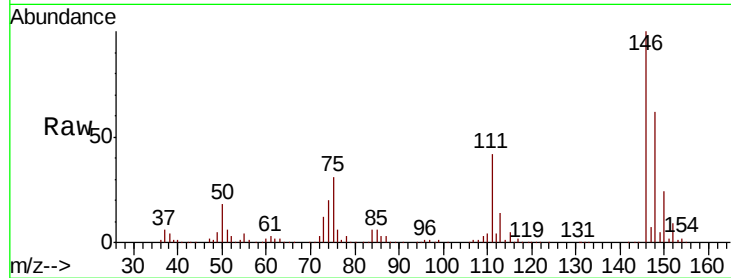
Tot Ion:146 Resp: 230958

Ion Ratio Lower Upper

146 100

111 41.9 32.8 49.2

148 62.3 51.9 77.9

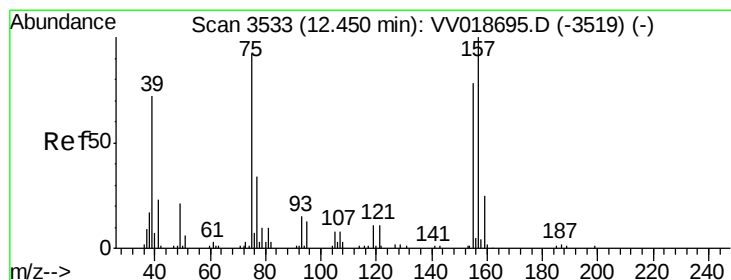
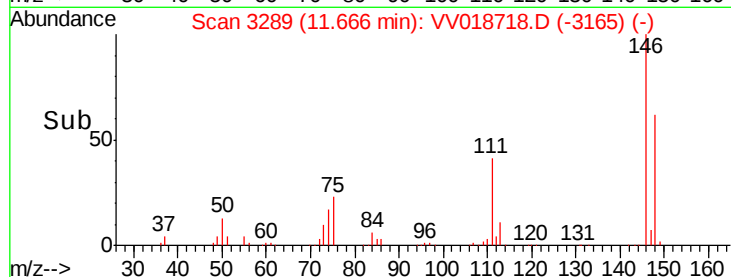
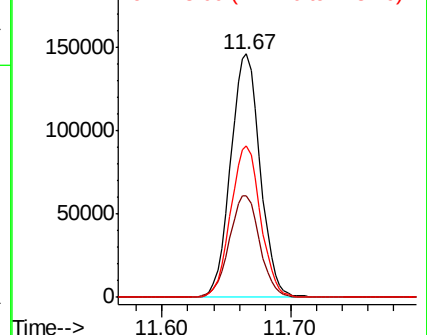


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 56.006 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

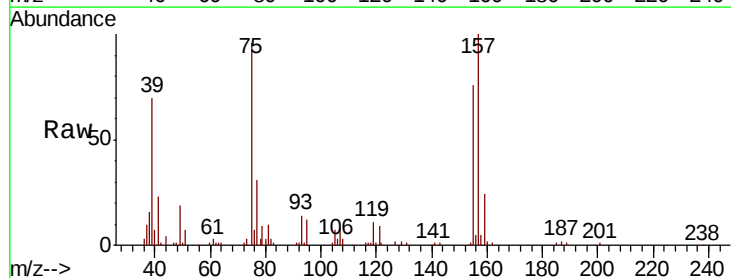
Tgt Ion: 75 Resp: 36357

Ion Ratio Lower Upper

75 100

155 79.7 73.0 109.6

157 104.5 95.8 143.6

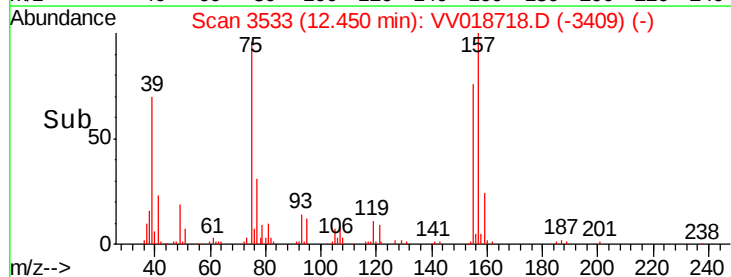
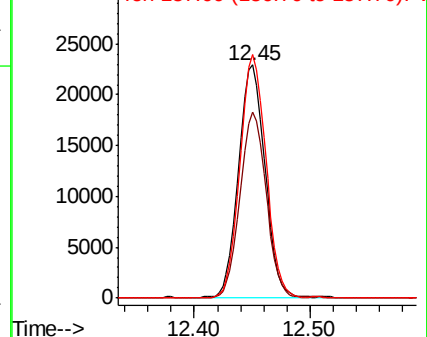


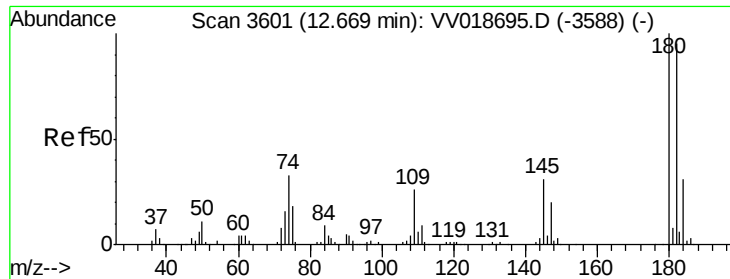
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

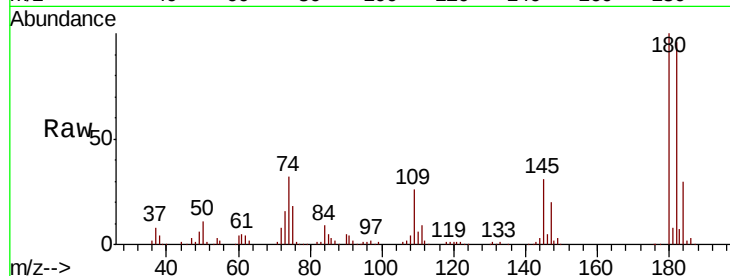




#67
 1,3,5-Trichlorobenzene
 Concen: 43.543 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018718.D
 Acq: 07 Oct 2020 03:07

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.1	115.7
184	30.1	24.3	36.5
145	30.8	22.9	34.3



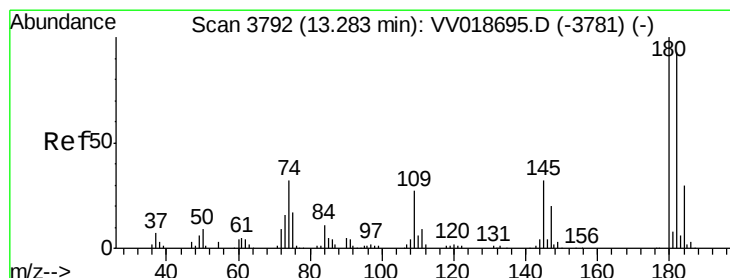
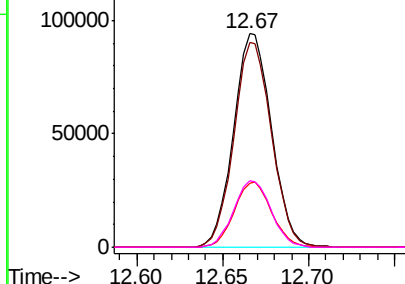
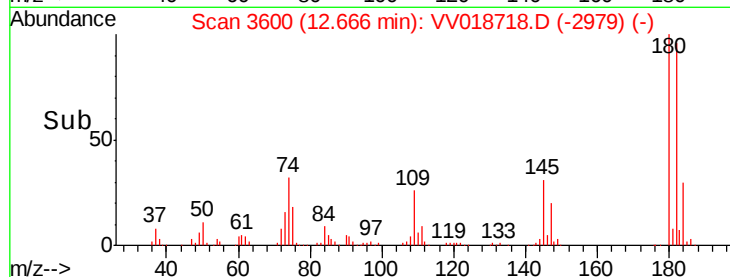
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

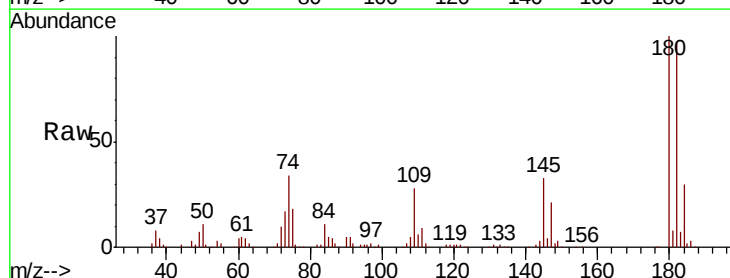
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 43.301 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018718.D
 Acq: 07 Oct 2020 03:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.3	114.5
145	32.6	23.6	35.4

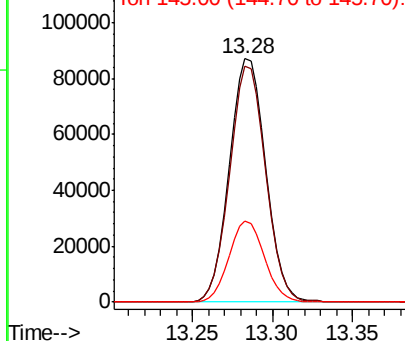
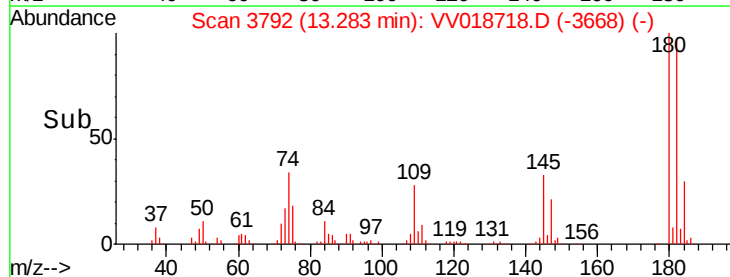


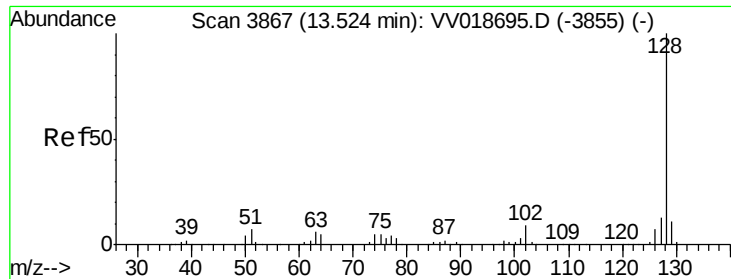
Abundance

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: 53.605 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

Instrument :

MSVOA_V

ClientSampleId :

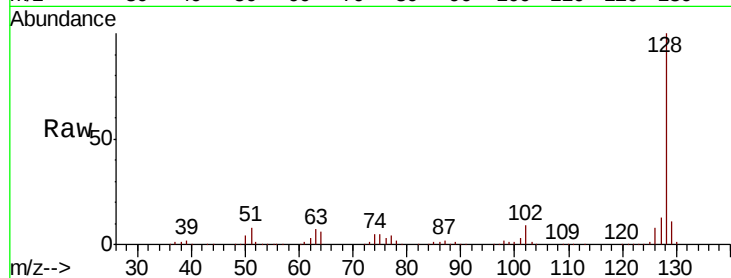
Tot Ion:128 Resp: 475429

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

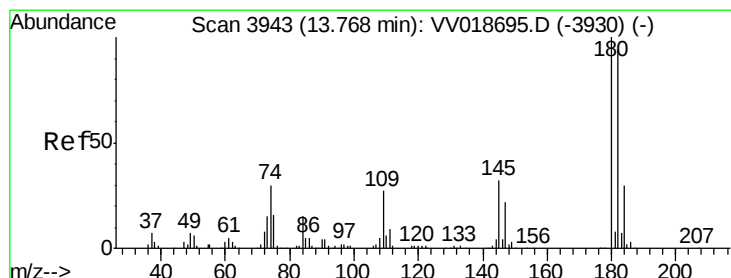
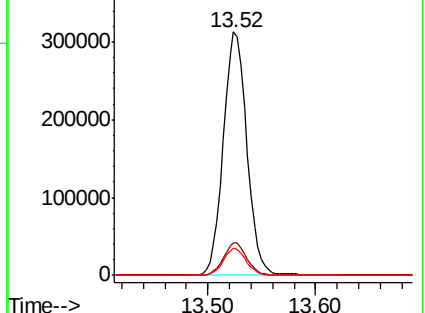
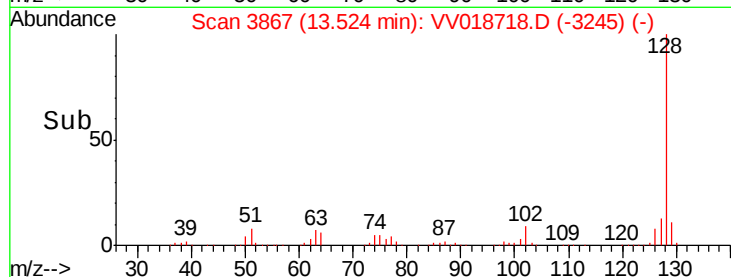
129 10.8 8.6 12.8



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: 46.001 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018718.D

Acq: 07 Oct 2020 03:07

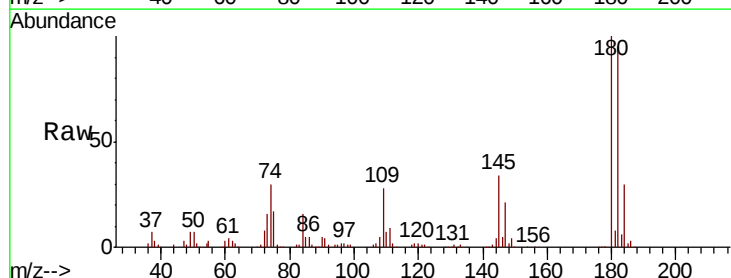
Tgt Ion:180 Resp: 143077

Ion Ratio Lower Upper

180 100

182 94.7 77.1 115.7

145 34.2 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

