

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091820\
 Data File : VV018309.D
 Acq On : 18 Sep 2020 10:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 19 01:39:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 18 08:05:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	284297	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	283818	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	157501	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	109188	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.26%
7) Chloroethane-d5	1.58	69	88096	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.94%
11) 1,1-Dichloroethene-d2	2.12	63	206406	48.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.14%
21) 2-Butanone-d5	3.91	46	128944	90.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.93%
24) Chloroform-d	4.37	84	192940	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.05	65	121070	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
32) Benzene-d6	5.07	84	379049	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
36) 1,2-Dichloropropane-d6	6.09	67	118718	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.98%
41) Toluene-d8	7.34	98	355034	47.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.90%
43) trans-1,3-Dichloropropene-	7.64	79	60939	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.11	63	93959	96.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.08%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	156029	48.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	144332	44.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	107280	51.750	ug/L 100
3) Chloromethane	1.25	50	117435	51.878	ug/L 100
5) Vinyl chloride	1.32	62	119057	51.289	ug/L 100
6) Bromomethane	1.53	94	74267	52.345	ug/L 98
8) Chloroethane	1.59	64	75768	52.106	ug/L 99
9) Trichlorofluoromethane	1.77	101	170801	53.479	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	103732	54.071	ug/L 99
12) 1,1-Dichloroethene	2.13	96	99094	53.086	ug/L 97
13) Acetone	2.20	43	127641	112.402	ug/L 100
14) Carbon disulfide	2.31	76	285624	50.005	ug/L 99
15) Methyl Acetate	2.45	43	104857	51.381	ug/L 100
16) Methylene chloride	2.52	84	107189	51.201	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	99713	51.832	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	303522	51.004	ug/L 100
19) 1,1-Dichloroethane	3.21	63	190100	52.264	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	106096	51.592	ug/L 99
22) 2-Butanone	4.00	43	159715	118.775	ug/L 97

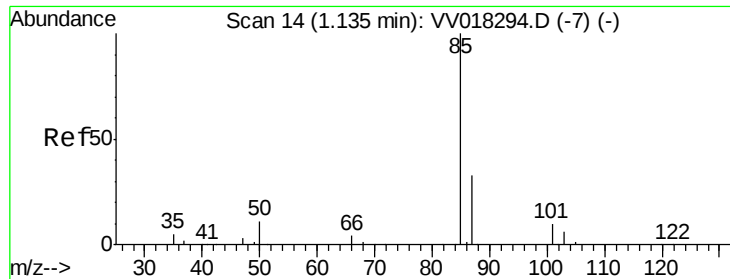
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091820\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 18 08:05:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	56203	52.235	ug/L	97
25) Chloroform	4.40	83	192423	52.044	ug/L	98
27) 1,2-Dichloroethane	5.15	62	152581	53.308	ug/L	99
29) Cyclohexane	4.70	56	169510	51.722	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	168642	51.200	ug/L	99
31) Carbon tetrachloride	4.85	117	148361	51.225	ug/L	97
33) Benzene	5.12	78	421007	51.882	ug/L	100
34) Trichloroethene	5.94	95	108683	49.166	ug/L	99
35) Methylcyclohexane	6.15	83	176483	53.025	ug/L	99
37) 1,2-Dichloropropane	6.20	63	112069	52.118	ug/L	99
38) Bromodichloromethane	6.53	83	141998	50.745	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	164183	49.556	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	269776	103.415	ug/L	100
42) Toluene	7.41	91	450360	52.444	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	168729	52.306	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	102348	51.352	ug/L	99
46) Tetrachloroethene	8.00	164	90692	52.326	ug/L	99
48) 2-Hexanone	8.16	43	221866	107.879	ug/L	99
49) Dibromochloromethane	8.27	129	115788	51.757	ug/L	99
50) 1,2-Dibromoethane	8.37	107	107747	51.367	ug/L	99
51) Chlorobenzene	8.90	112	289627	51.932	ug/L	100
52) Ethylbenzene	9.03	91	497633	53.078	ug/L	100
53) m,p-Xylene	9.16	106	189177	54.059	ug/L	97
54) o-xylene	9.56	106	180139	53.433	ug/L	100
55) Styrene	9.58	104	326133	55.656	ug/L	97
56) Isopropylbenzene	9.95	105	490322	53.965	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	160871	54.566	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	130866	51.743	ug/L	100
61) Bromoform	9.75	173	85549	50.561	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	243926	52.083	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	251840	52.315	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	240363	50.775	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	35266	52.792	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	190520	51.601	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	172163	52.363	ug/L	99
69) Naphthalene	13.52	128	474956	57.090	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	176409	54.475	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.750 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Instrument :

MSVOA_V

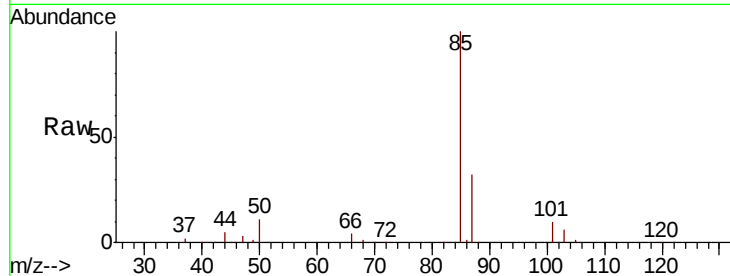
ClientSampled :

Tot Ion: 85 Resp: 107280

Ion Ratio Lower Upper

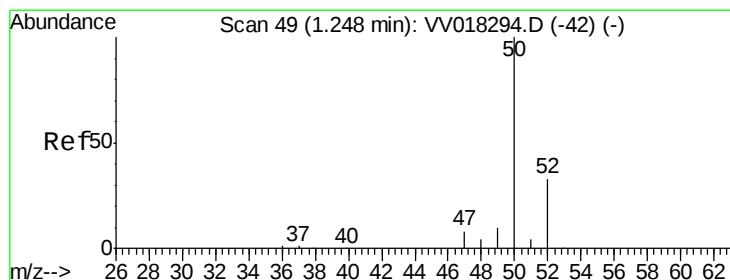
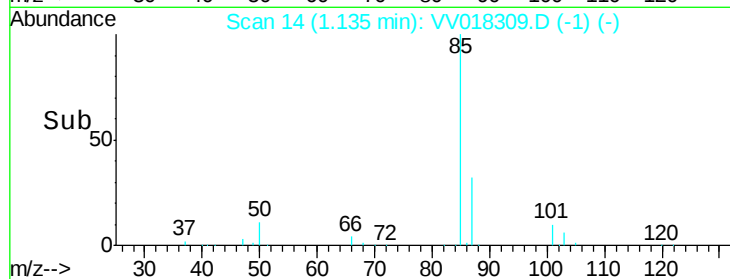
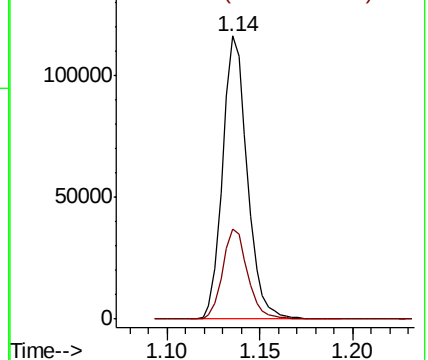
85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 51.878 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018309.D

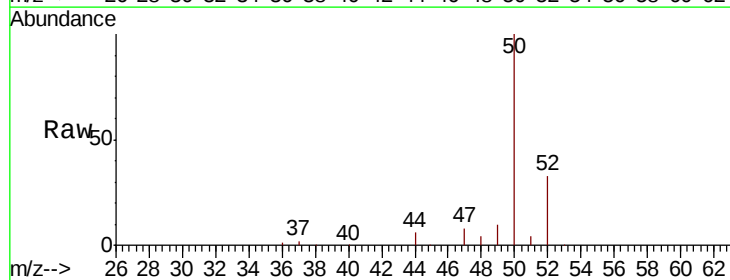
Acq: 18 Sep 2020 10:01

Tgt Ion: 50 Resp: 117435

Ion Ratio Lower Upper

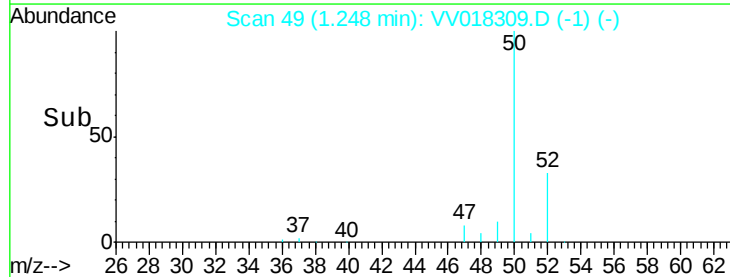
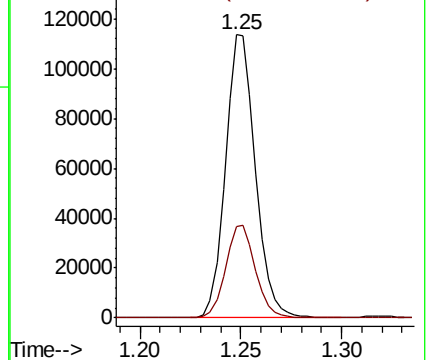
50 100

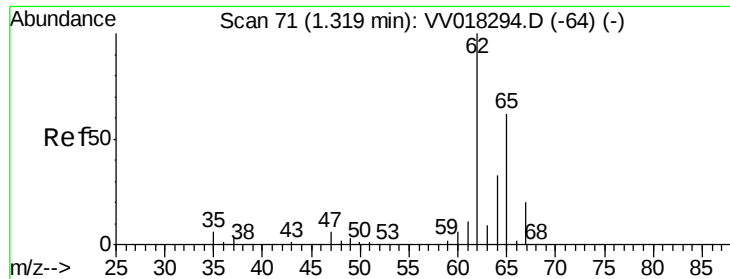
52 32.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 51.289 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

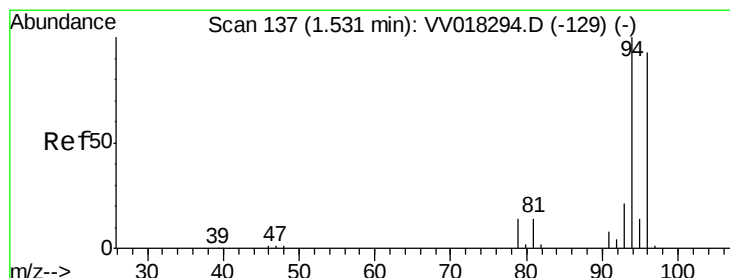
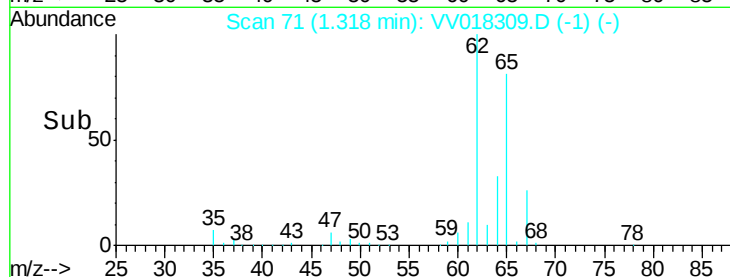
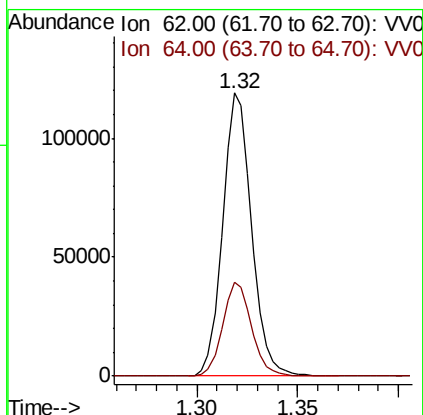
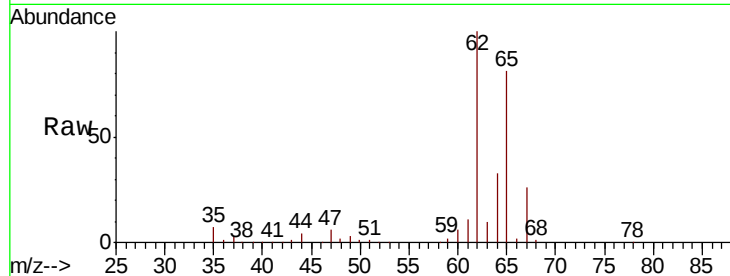
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 119057

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 52.345 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018309.D

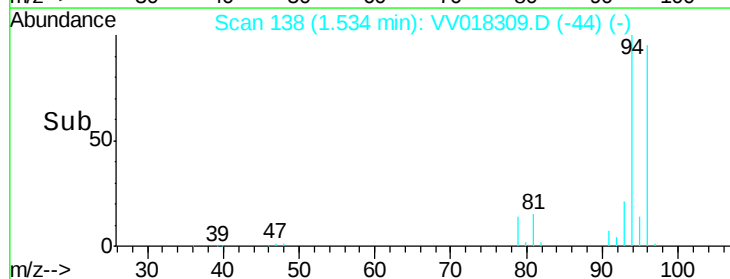
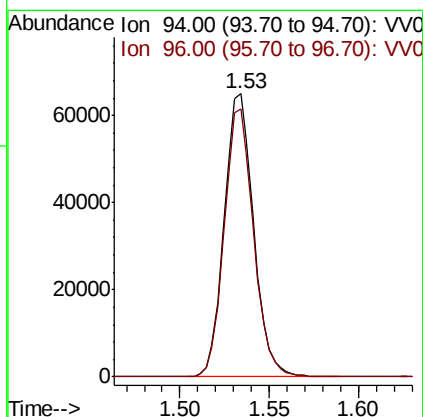
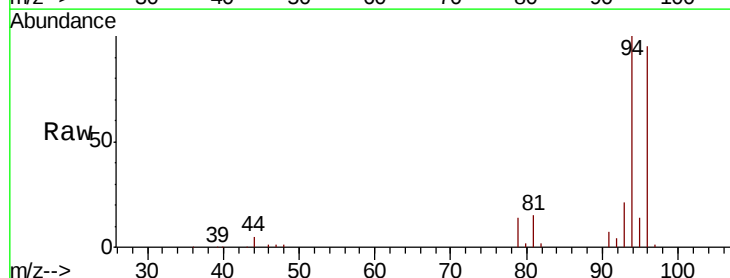
Acq: 18 Sep 2020 10:01

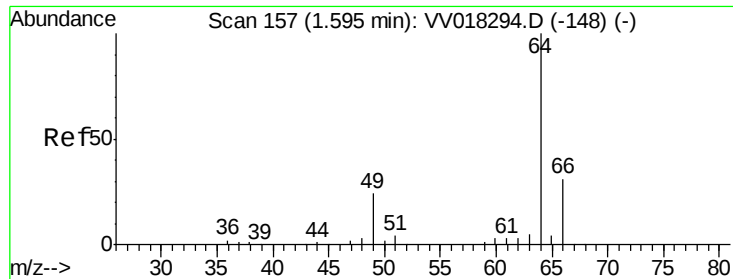
Tgt Ion: 94 Resp: 74267

Ion Ratio Lower Upper

94 100

96 94.9 65.1 120.9

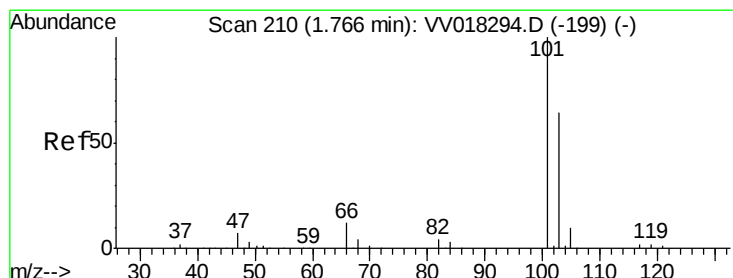
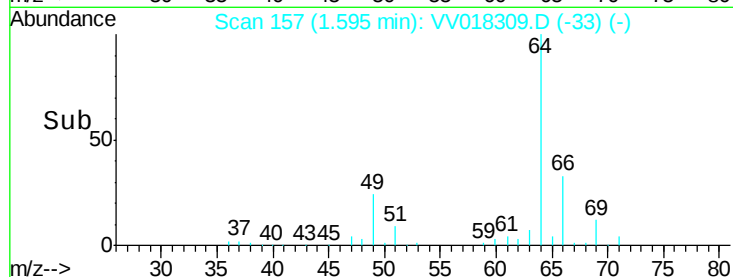
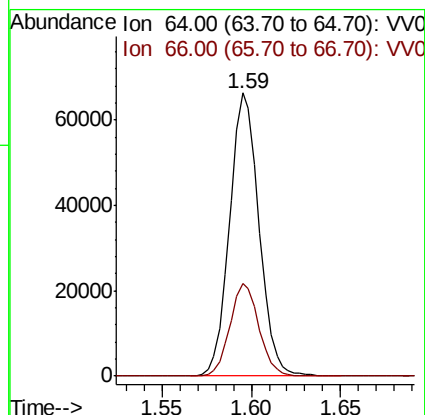
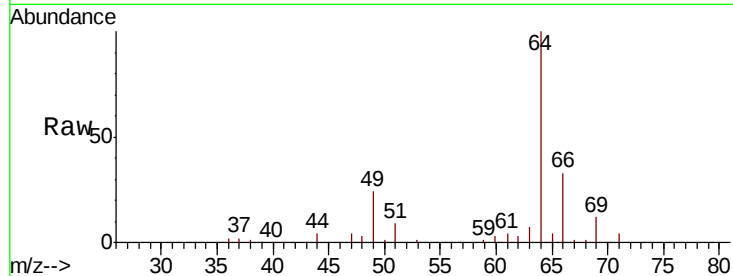




#8
Chloroethane
Concen: 52.106 ug/L
RT: 1.59 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018309.D
Acq: 18 Sep 2020 10:01

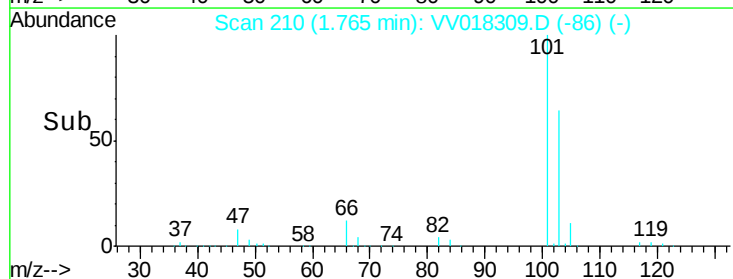
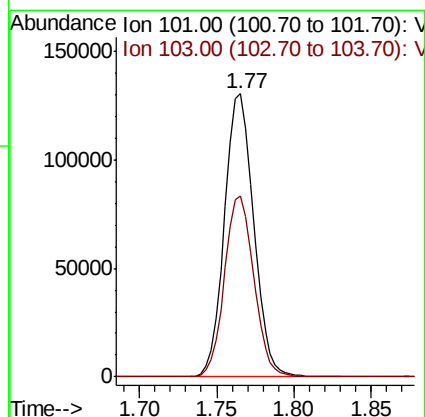
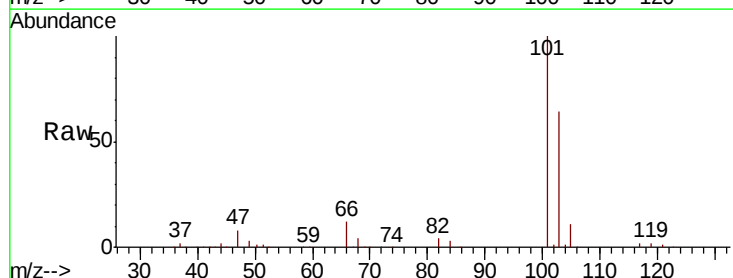
Instrument :
MSVOA_V
ClientSampleId :

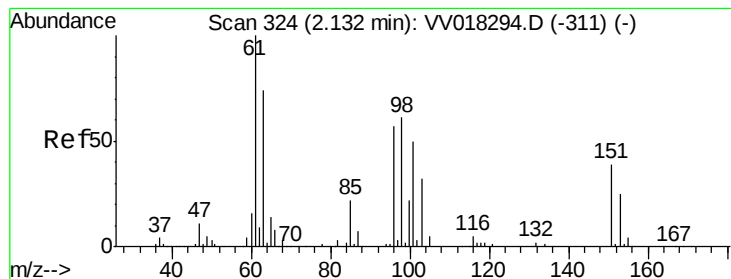
Tot Ion: 64 Resp: 75768
Ion Ratio Lower Upper
64 100
66 32.6 22.5 41.7



#9
Trichlorofluoromethane
Concen: 53.479 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV018309.D
Acq: 18 Sep 2020 10:01

Tgt Ion: 101 Resp: 170801
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.6





#10

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

Concen: 54.071 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

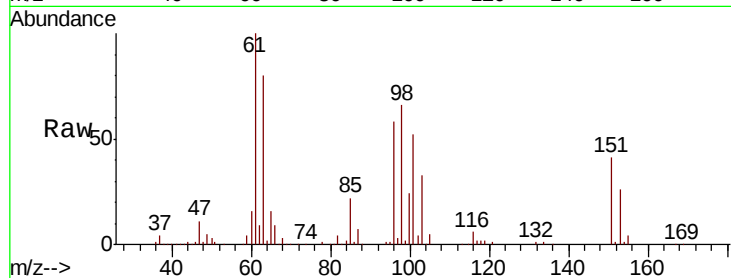
Tot Ion:101 Resp: 103732

Ion Ratio Lower Upper

101 100

85 42.5 33.5 50.3

151 77.3 62.2 93.2

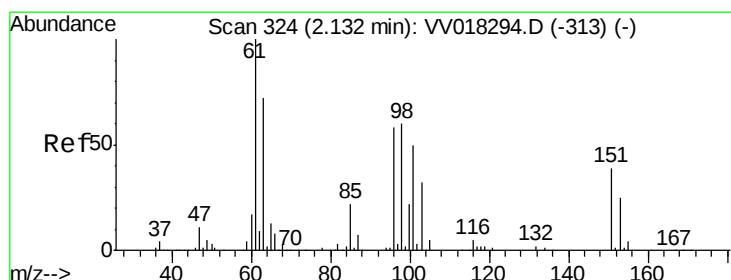
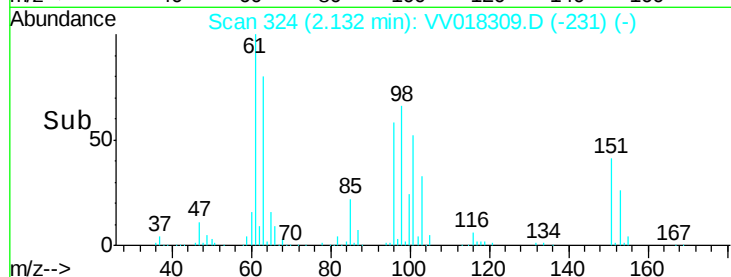
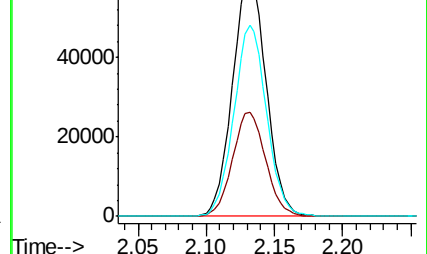


Abundance Ion 101.00 (100.70 to 101.70): VV018294.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018294.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018294.D (-311) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 53.086 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

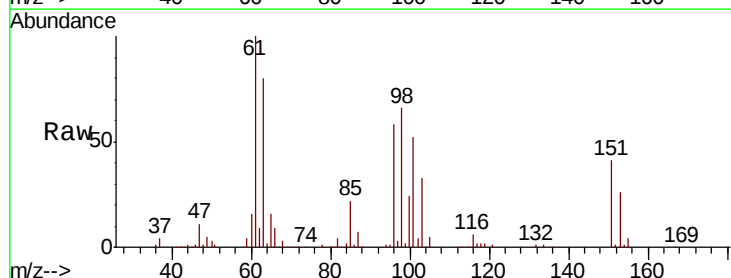
Tgt Ion: 96 Resp: 99094

Ion Ratio Lower Upper

96 100

61 172.8 122.9 228.3

63 137.5 91.9 170.7

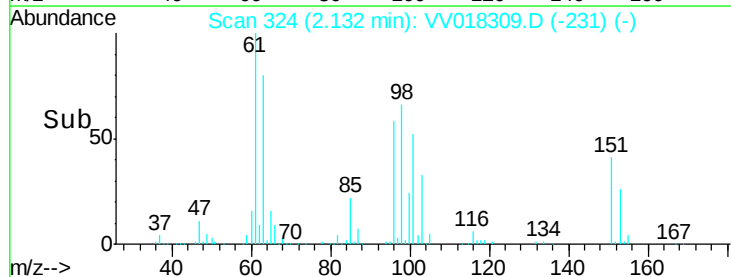
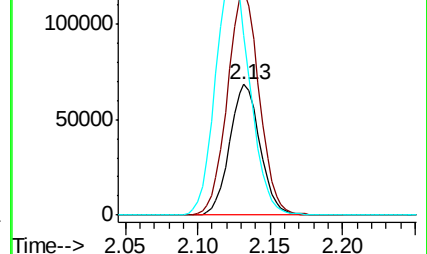


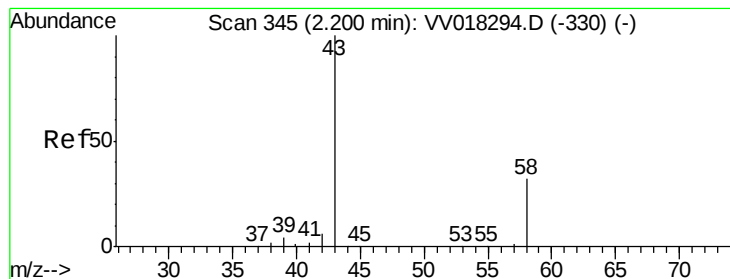
Abundance Ion 96.00 (95.70 to 96.70): VV018294.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV018294.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV018294.D (-313) (-)

Time-->





#13

Acetone

Concen: 112.402 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

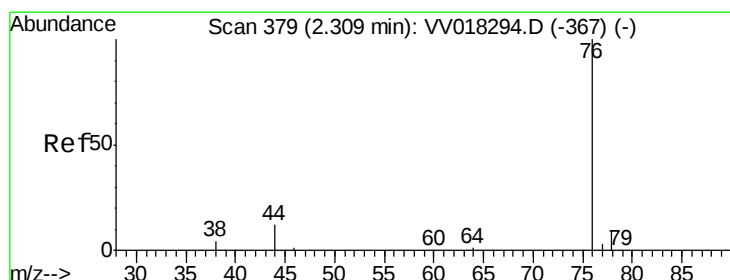
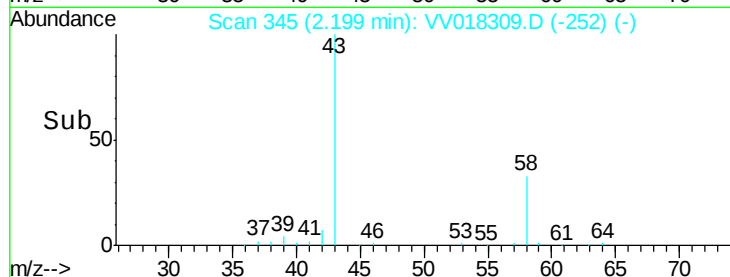
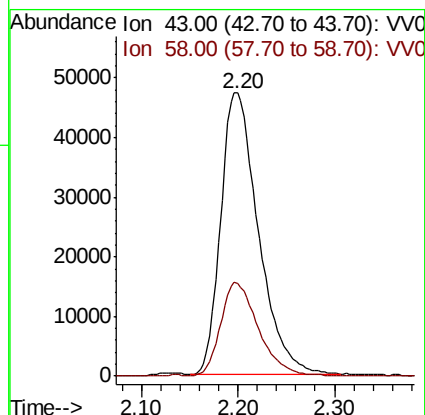
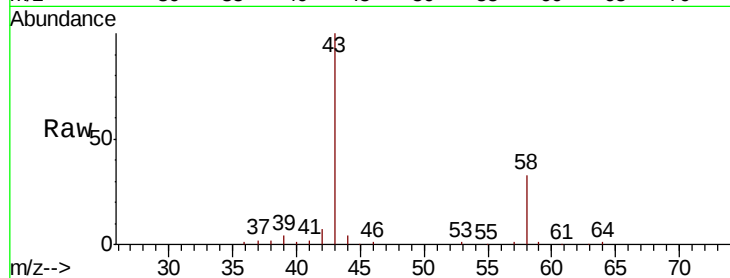
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 127641

Ion Ratio Lower Upper

43 100

58 33.5 0.0 67.4



#14

Carbon disulfide

Concen: 50.005 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018309.D

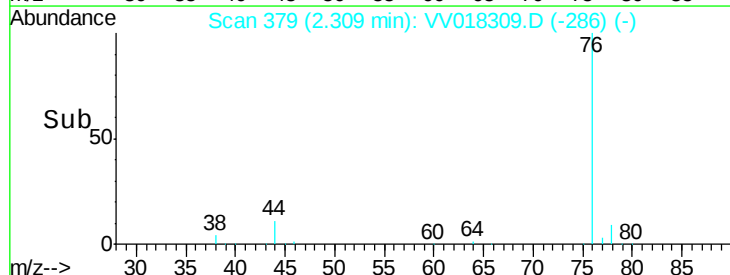
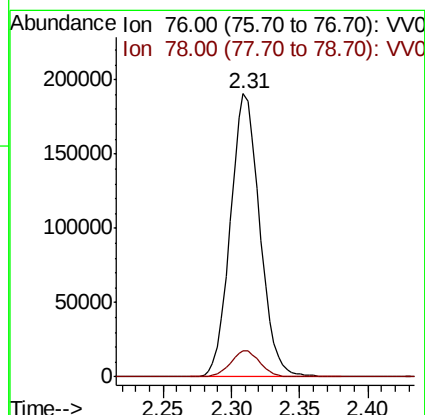
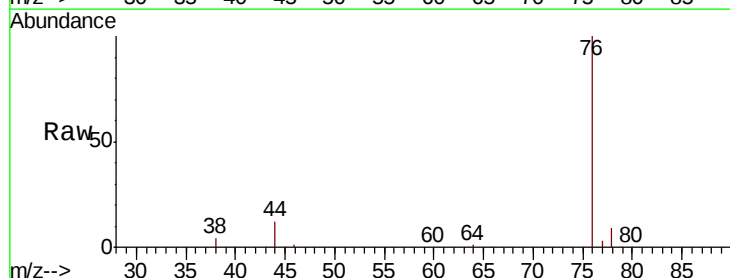
Acq: 18 Sep 2020 10:01

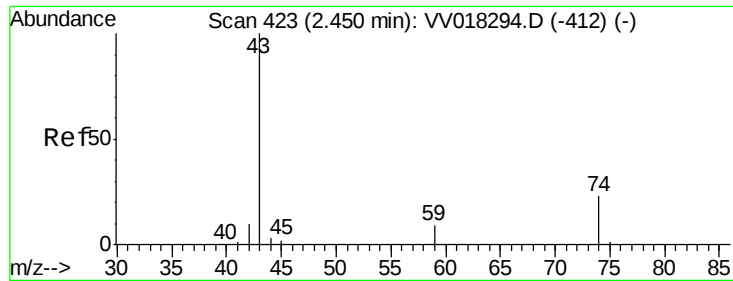
Tgt Ion: 76 Resp: 285624

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





#15

Methvl Acetate

Concen: 51.381 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

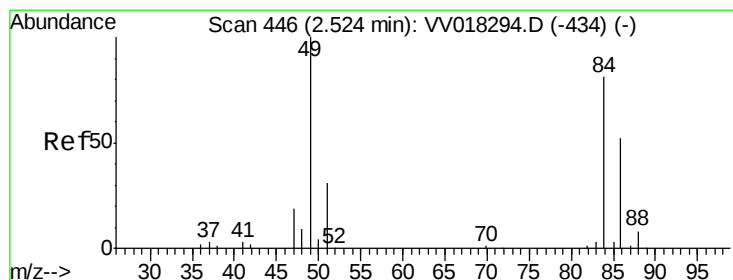
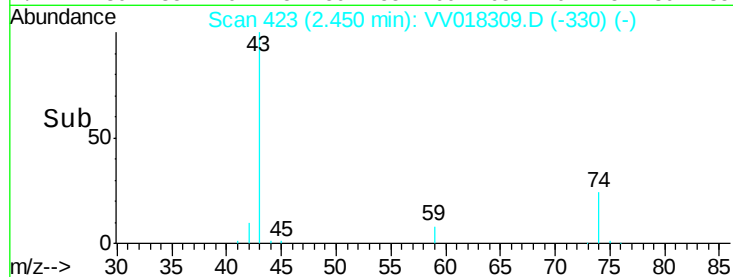
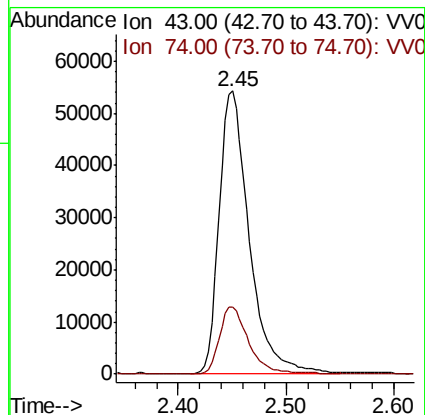
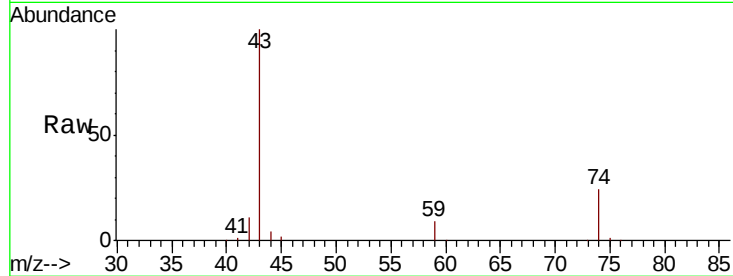
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 104857

Ion Ratio Lower Upper

43 100

74 23.2 18.4 27.6



#16

Methylene chloride

Concen: 51.201 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

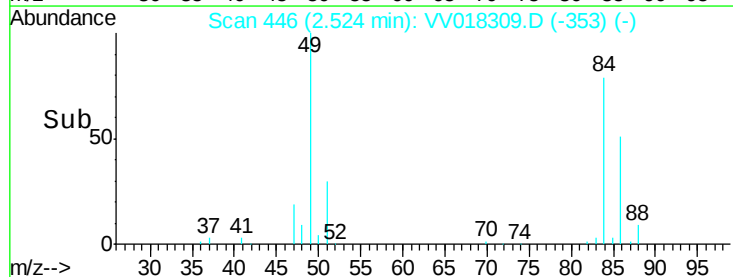
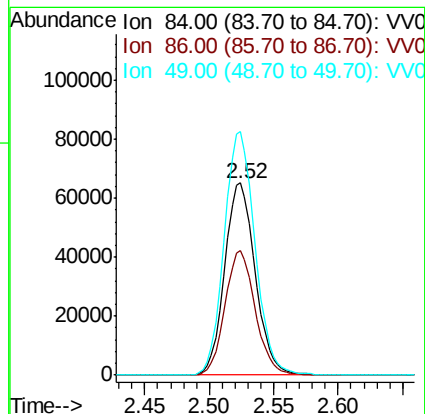
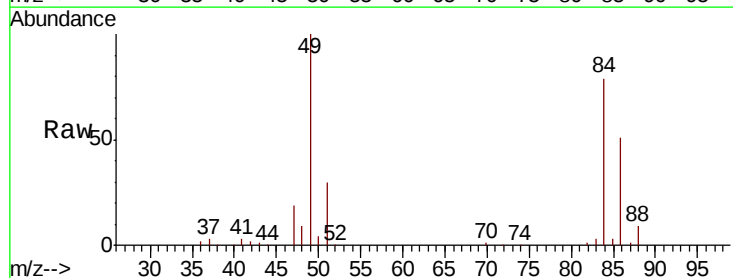
Tgt Ion: 84 Resp: 107189

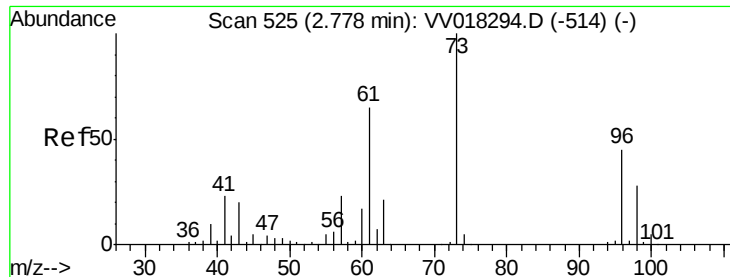
Ion Ratio Lower Upper

84 100

86 64.9 44.4 82.4

49 126.7 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 51.832 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Instrument :
MSVOA_V
ClientSampled :

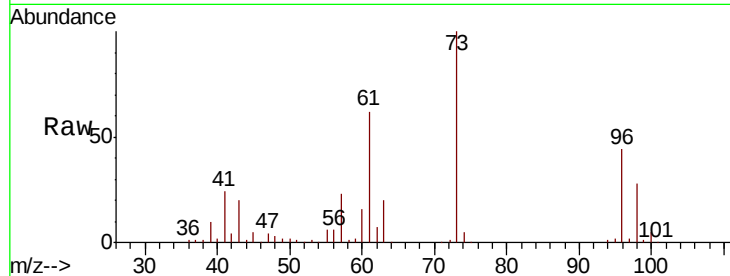
Tot Ion: 96 Resp: 99713

Ion Ratio Lower Upper

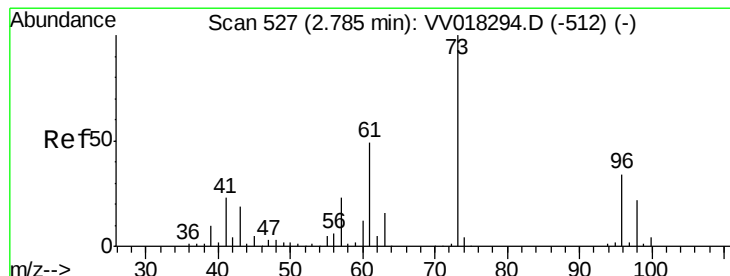
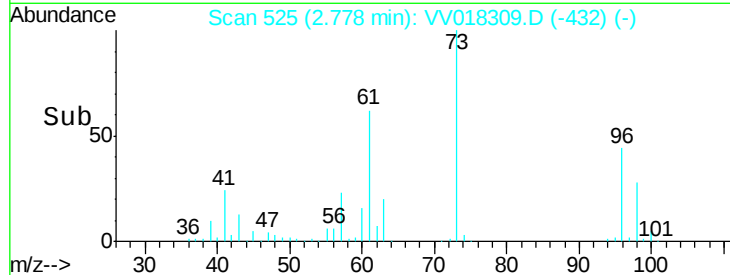
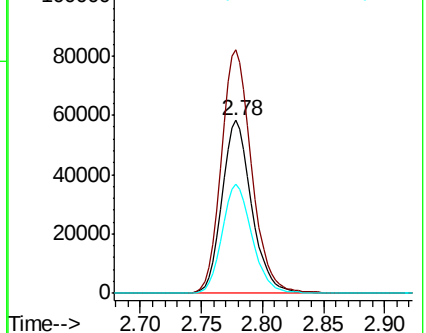
96 100

61 141.0 100.7 186.9

98 63.0 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 51.004 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

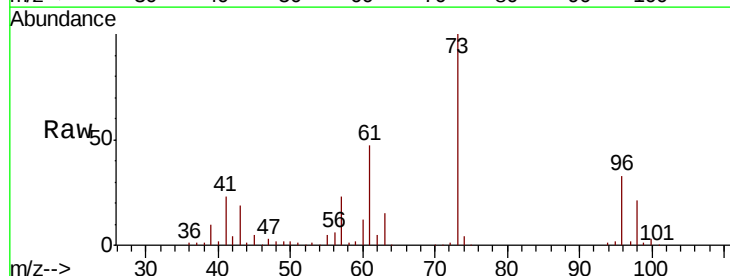
Tgt Ion: 73 Resp: 303522

Ion Ratio Lower Upper

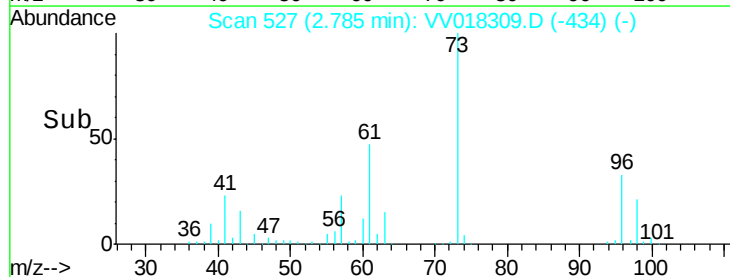
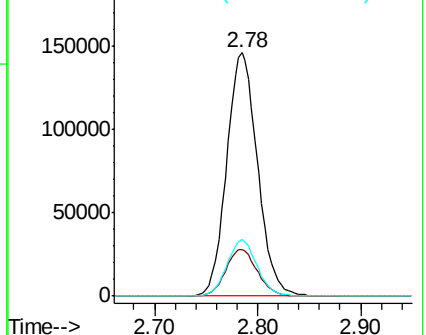
73 100

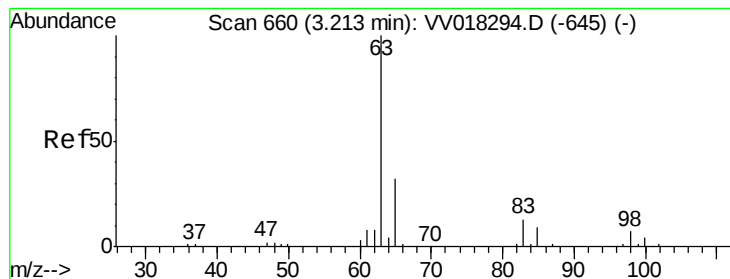
43 19.3 15.4 23.0

57 22.6 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 52.264 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Instrument :

MSVOA_V

ClientSampled :

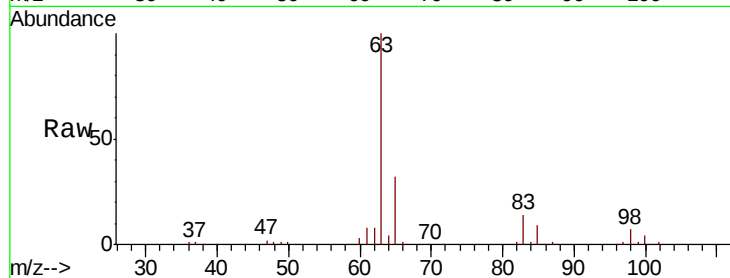
Tot Ion: 63 Resp: 190100

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

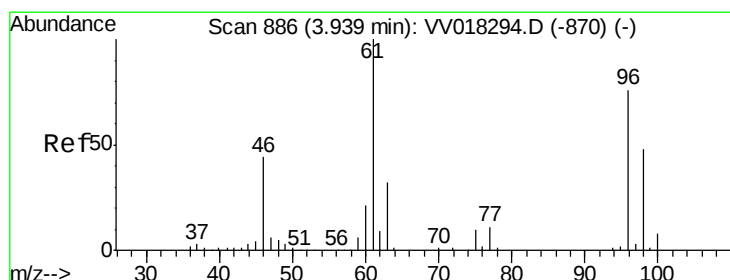
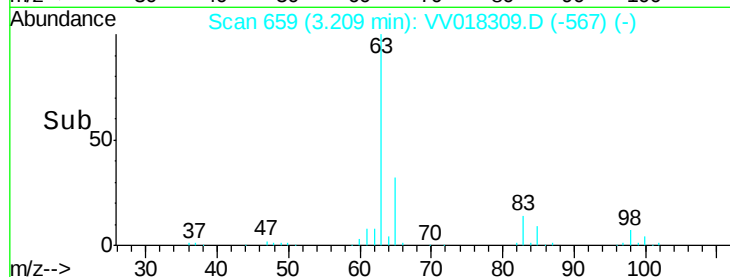
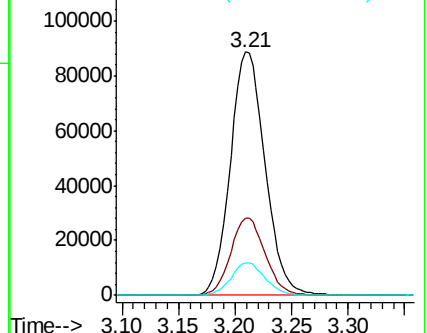
83 13.6 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV018309.D (-567) (-)

Ion 65.00 (64.70 to 65.70): VV018309.D (-567) (-)

Ion 83.00 (82.70 to 83.70): VV018309.D (-567) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.592 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

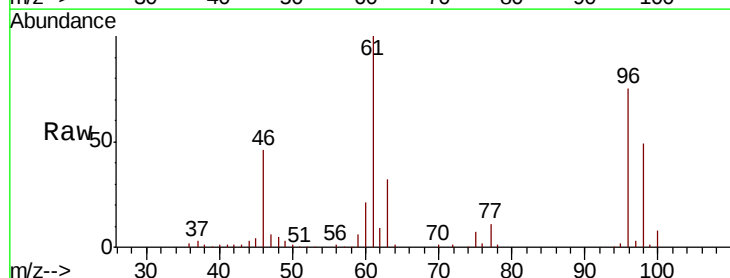
Tgt Ion: 96 Resp: 106096

Ion Ratio Lower Upper

96 100

61 132.5 93.6 173.8

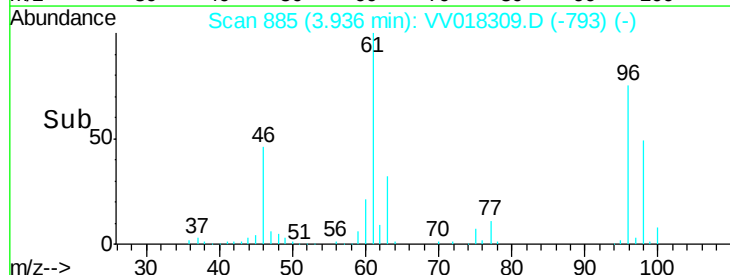
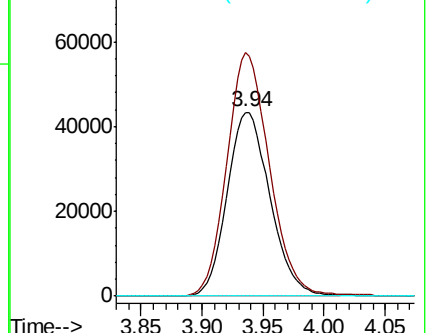
68 0.0 0.0 0.0

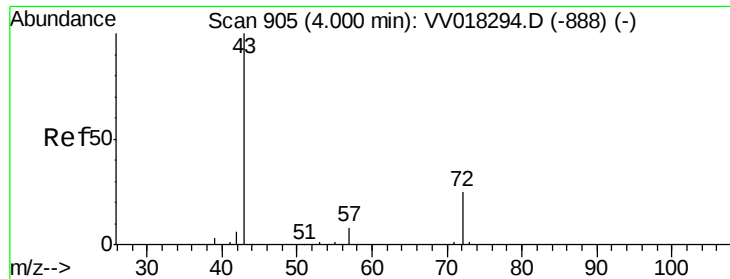


Abundance Ion 96.00 (95.70 to 96.70): VV018309.D (-793) (-)

Ion 61.00 (60.70 to 61.70): VV018309.D (-793) (-)

Ion 68.00 (67.70 to 68.70): VV018309.D (-793) (-)





#22

2-Butanone

Concen: 118.775 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

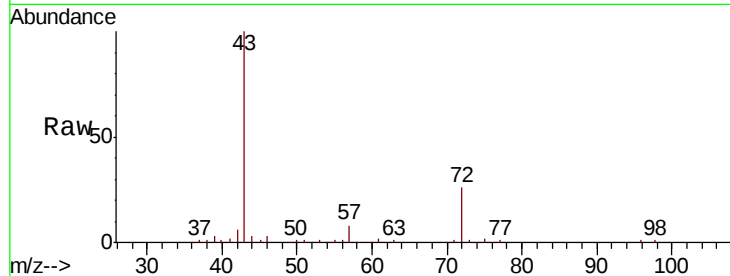
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 159715

Ion Ratio Lower Upper

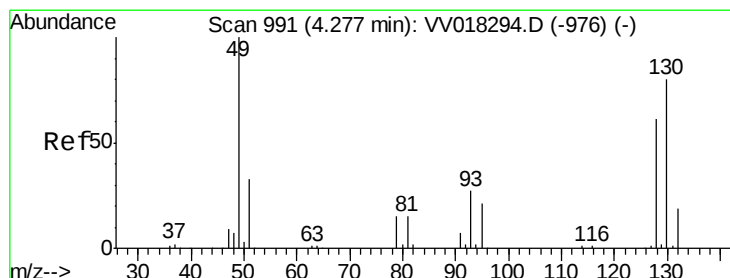
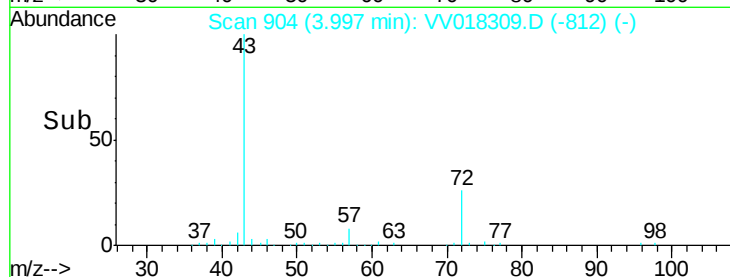
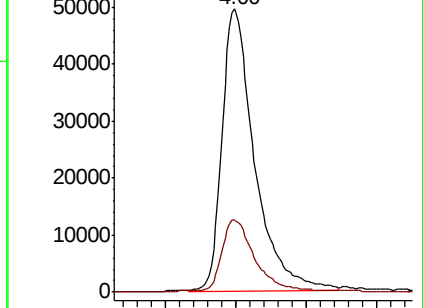
43 100

72 24.6 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018294.D (-888) (-)

Ion 72.00 (71.70 to 72.70): VV018294.D (-888) (-)



#23

Bromochloromethane

Concen: 52.235 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Tgt Ion: 128 Resp: 56203

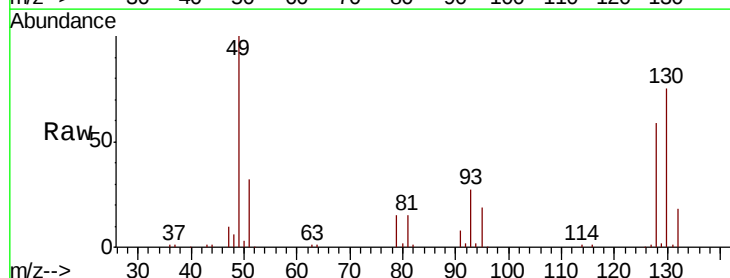
Ion Ratio Lower Upper

128 100

49 170.4 114.4 212.6

130 127.4 87.9 163.3

51 53.9 41.8 62.8

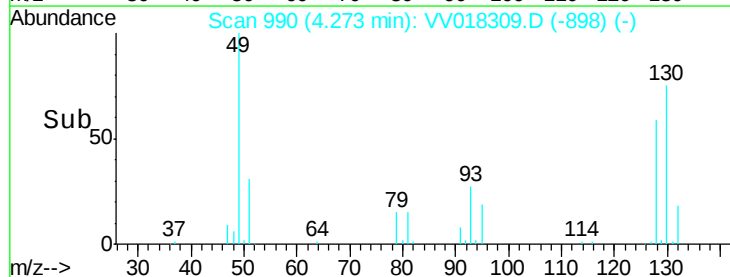
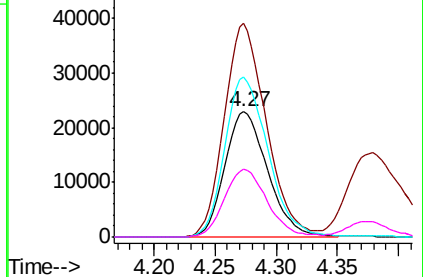


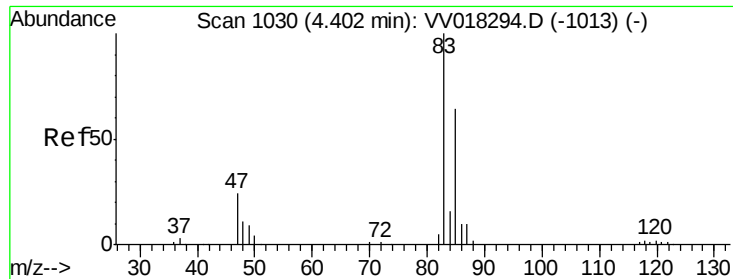
Abundance Ion 128.00 (127.70 to 128.70): VV018294.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV018294.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV018294.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV018294.D (-976) (-)

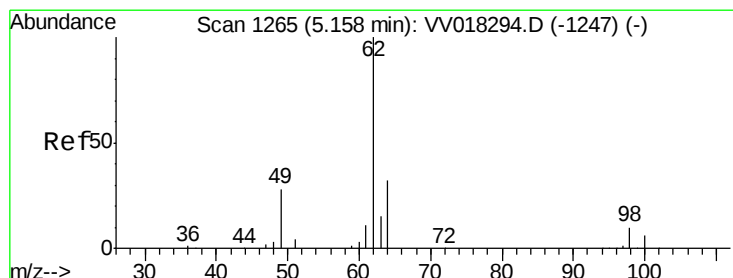
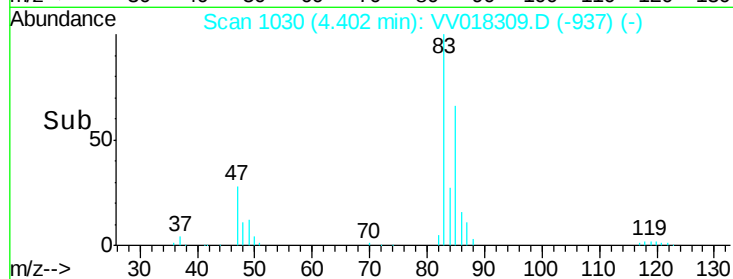
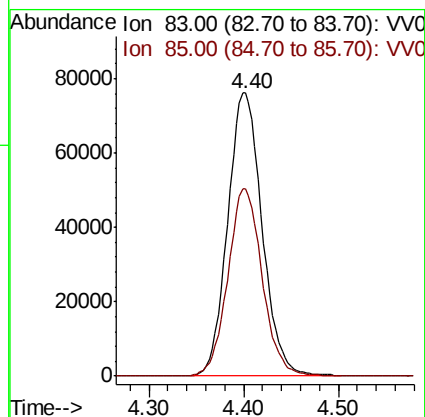
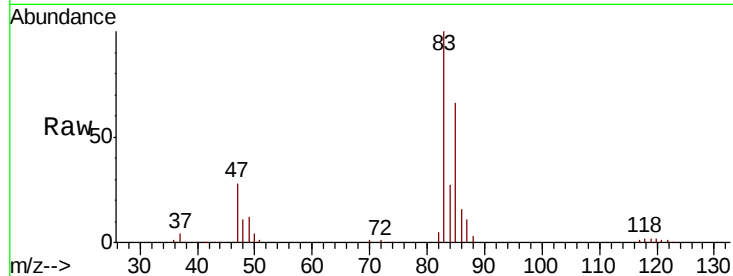




#25
Chloroform
Concen: 52.044 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018309.D
Acq: 18 Sep 2020 10:01

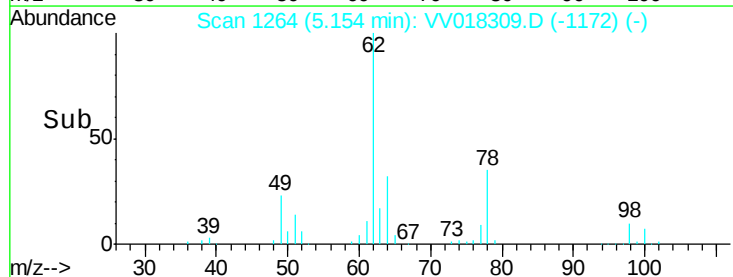
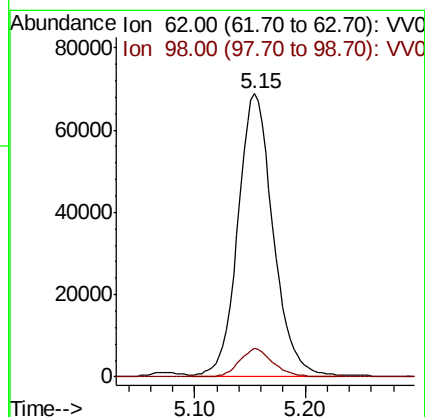
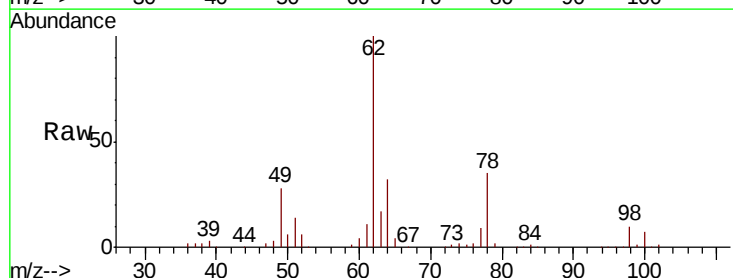
Instrument :
MSVOA_V
ClientSampleId :

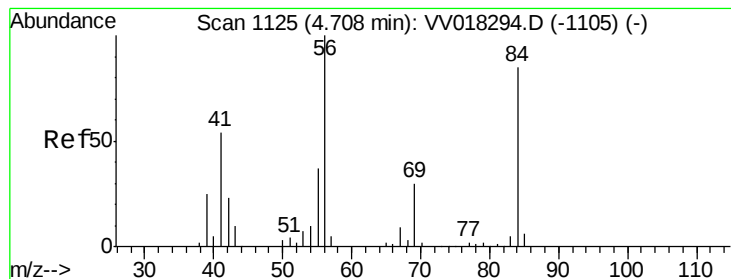
Tot Ion: 83 Resp: 192423
Ion Ratio Lower Upper
83 100
85 66.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 53.308 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018309.D
Acq: 18 Sep 2020 10:01

Tgt Ion: 62 Resp: 152581
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4





#29

Cyclohexane

Concen: 51.722 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :

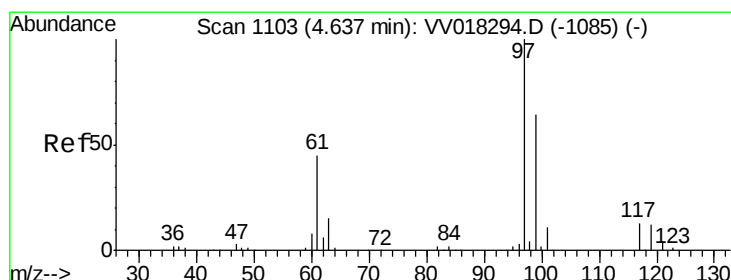
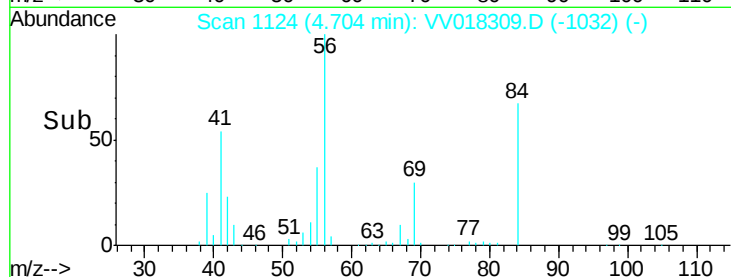
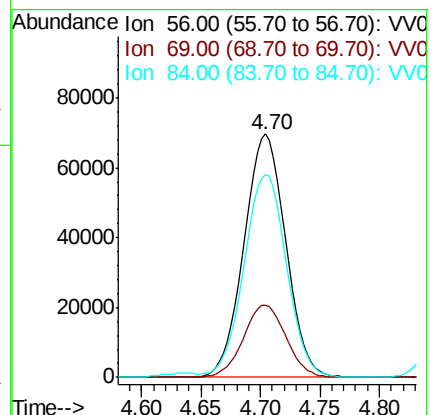
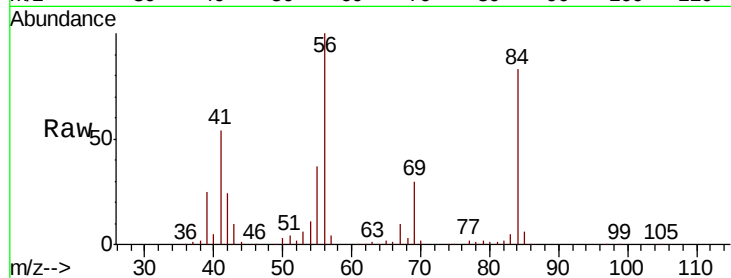
Tot Ion: 56 Resp: 169510

Ion Ratio Lower Upper

56 100

69 30.4 24.2 36.2

84 84.7 68.3 102.5



#30

1,1,1-Trichloroethane

Concen: 51.200 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

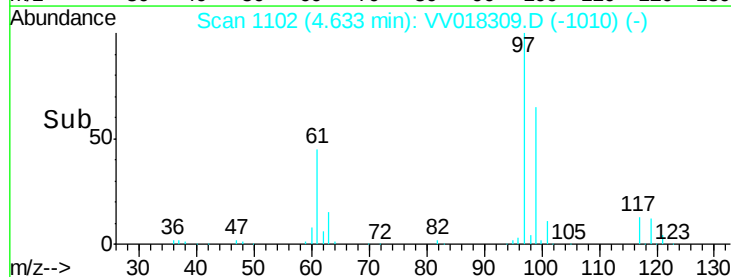
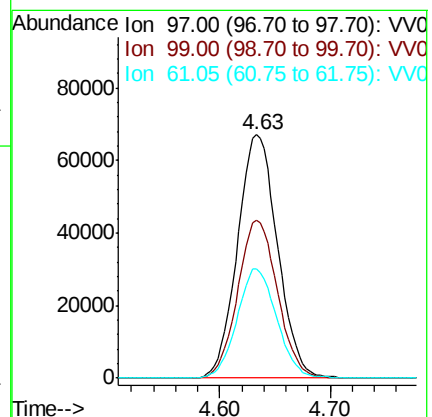
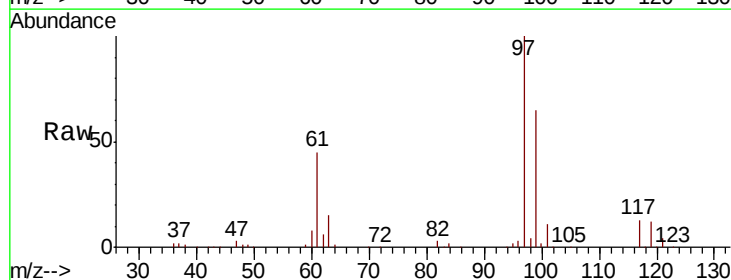
Tgt Ion: 97 Resp: 168642

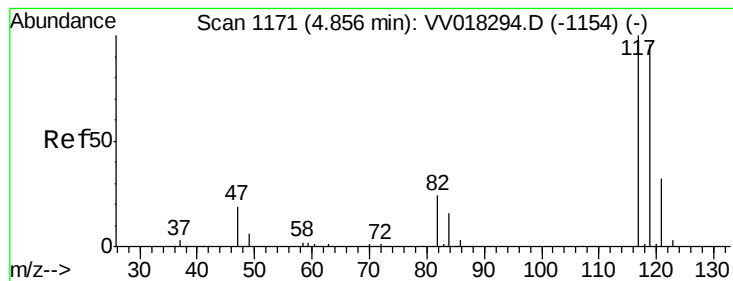
Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 44.7 34.9 52.3





#31

Carbon tetrachloride

Concen: 51.225 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Instrument :

MSVOA_V

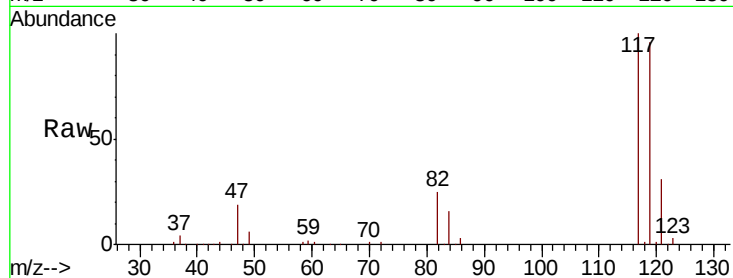
ClientSampleId :

Tot Ion:117 Resp: 148361

Ion Ratio Lower Upper

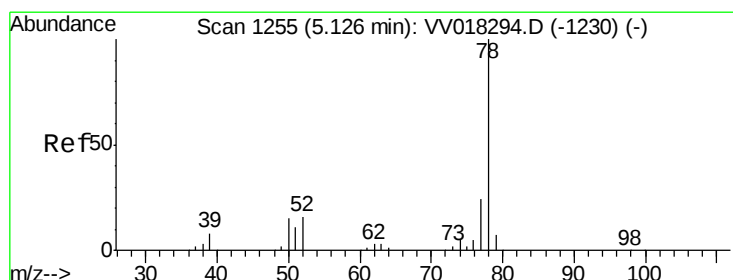
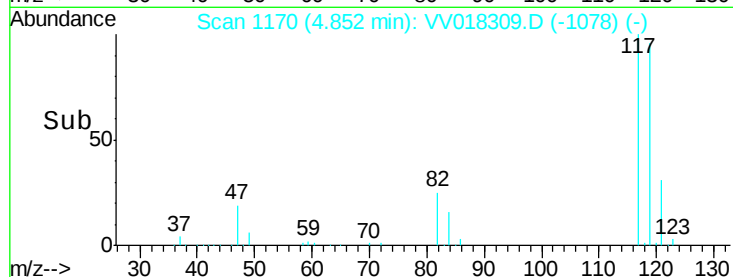
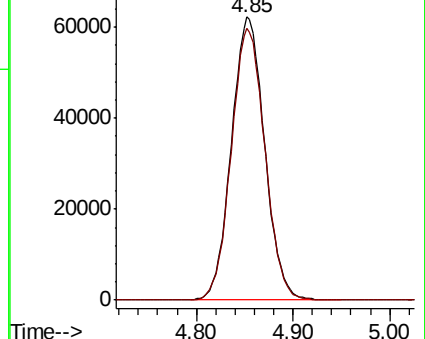
117 100

119 97.1 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.882 ug/L

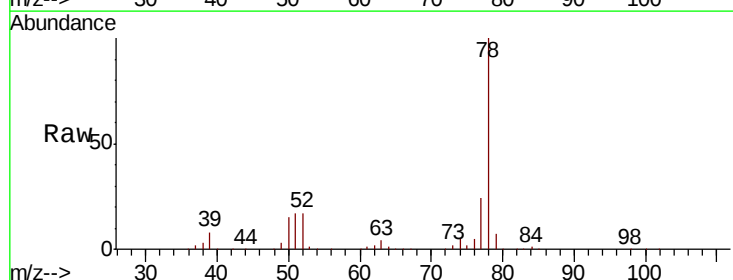
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

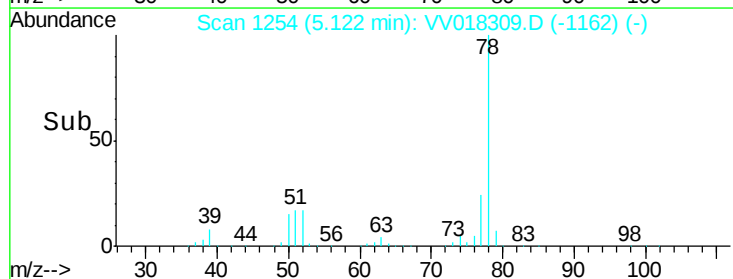
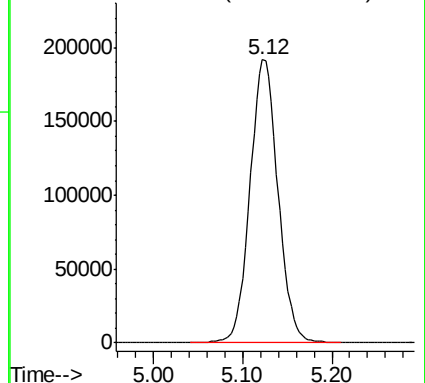
Lab File: VV018309.D

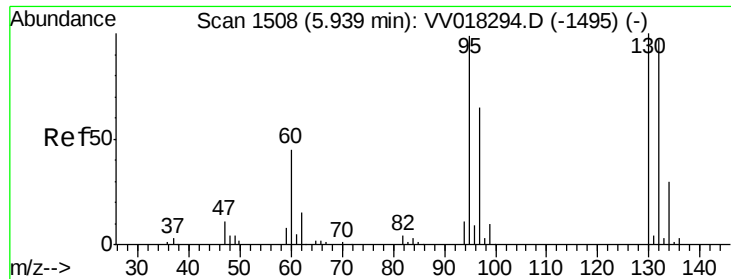
Acq: 18 Sep 2020 10:01

Tgt Ion: 78 Resp: 421007



Abundance Ion 78.00 (77.70 to 78.70): VV0

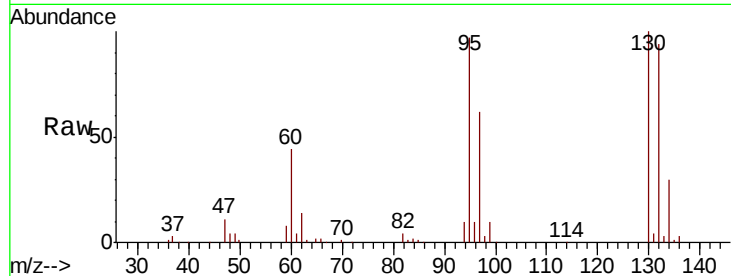




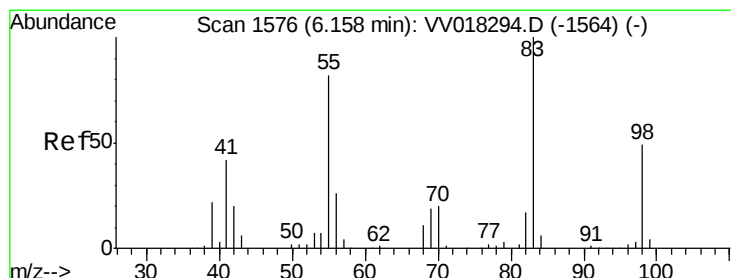
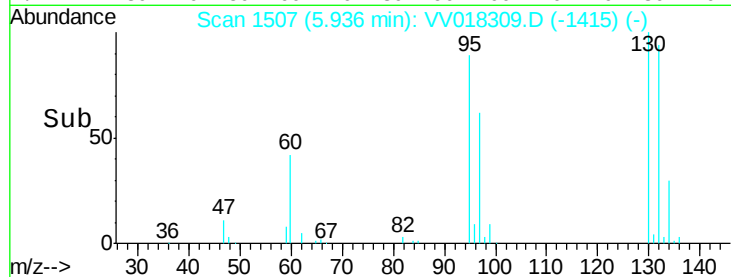
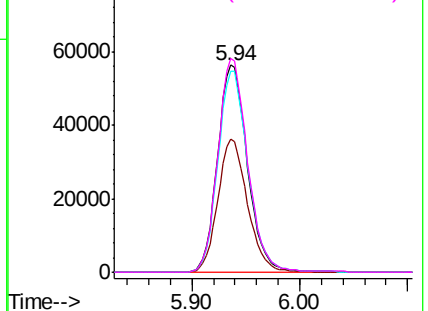
#34
 Trichloroethene
 Concen: 49.166 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV018309.D
 Acq: 18 Sep 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 108683
 Ion Ratio Lower Upper
 95 100
 97 64.1 46.3 85.9
 132 97.0 68.1 126.5
 130 103.2 71.5 132.9

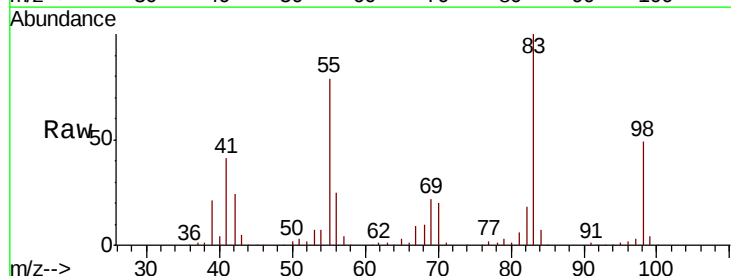


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

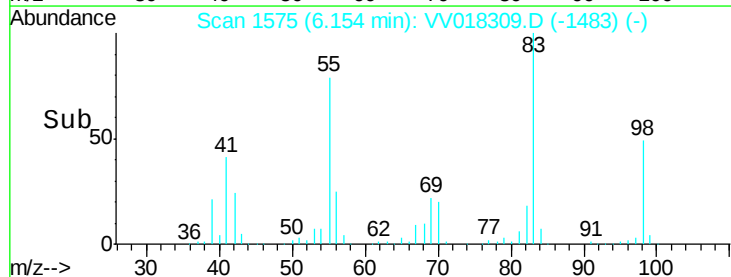
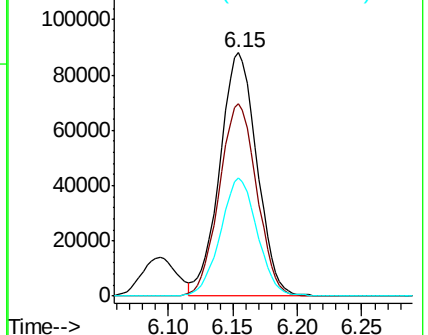


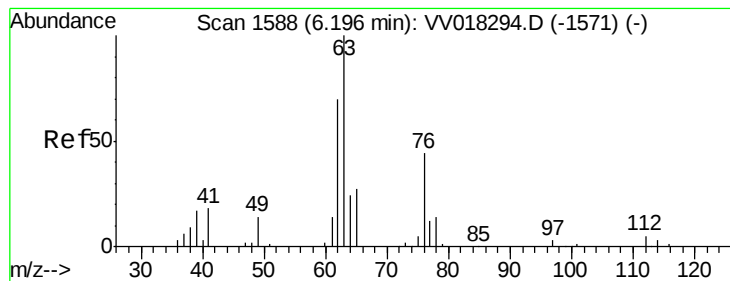
#35
 Methylcyclohexane
 Concen: 53.025 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV018309.D
 Acq: 18 Sep 2020 10:01

Tgt Ion: 83 Resp: 176483
 Ion Ratio Lower Upper
 83 100
 55 80.0 63.4 95.2
 98 48.1 38.8 58.2



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: 52.118 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Instrument :

MSVOA_V

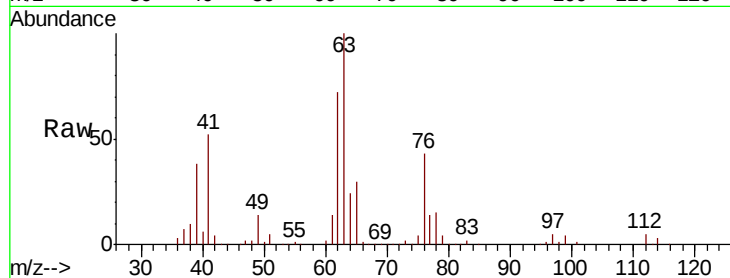
ClientSampleId :

Tot Ion: 63 Resp: 112069

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

60000

50000

40000

30000

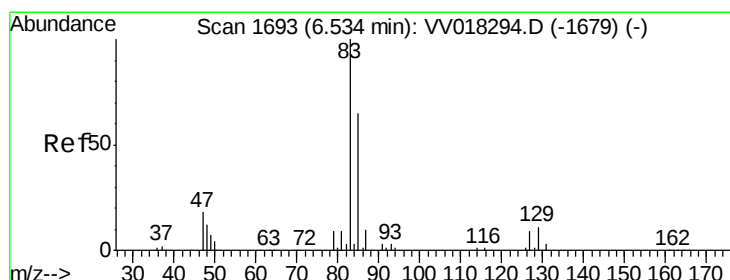
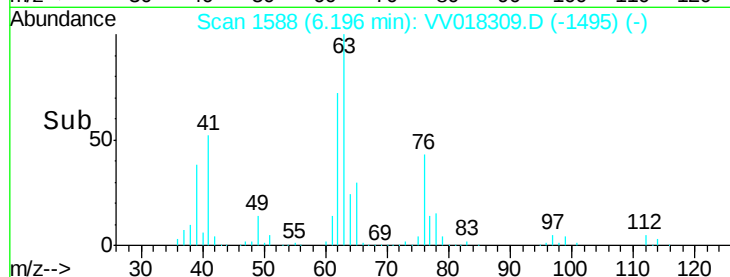
20000

10000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 50.745 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

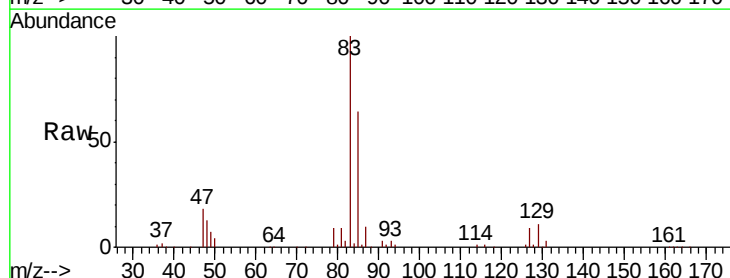
Tgt Ion: 83 Resp: 141998

Ion Ratio Lower Upper

83 100

85 64.2 44.7 82.9

127 8.9 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

100000

80000

60000

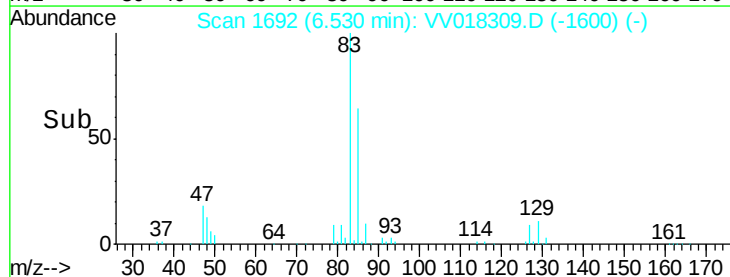
40000

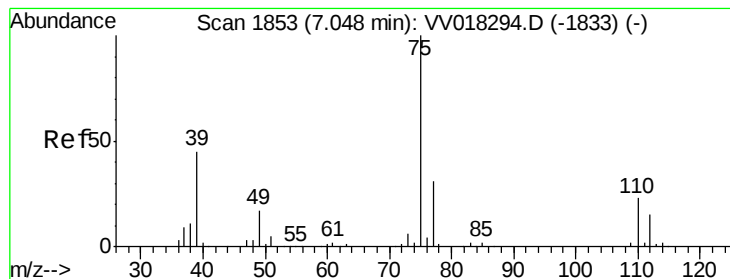
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->



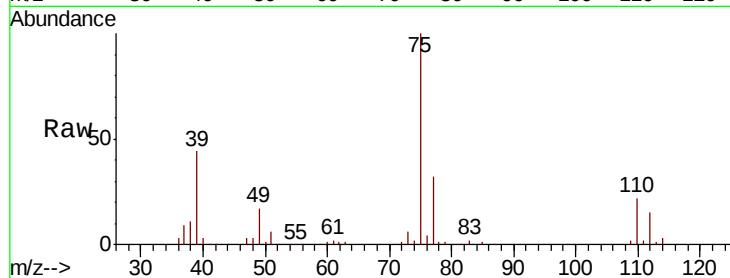


#39

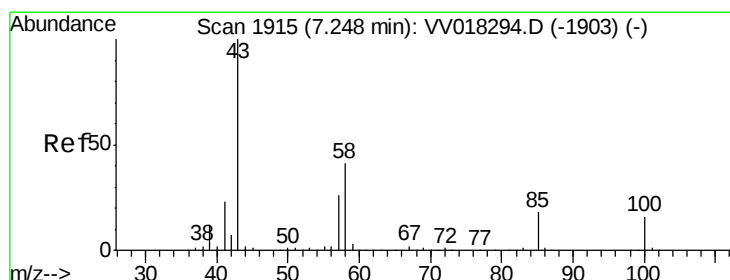
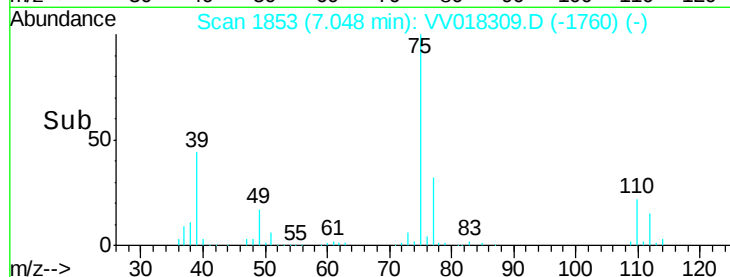
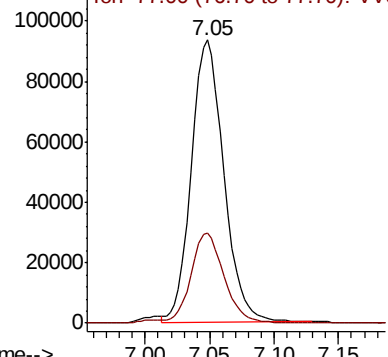
cis-1,3-Dichloropropene
Concen: 49.556 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV018309.D
Acq: 18 Sep 2020 10:01

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 164183
Ion Ratio Lower Upper
75 100
77 31.8 22.3 41.3



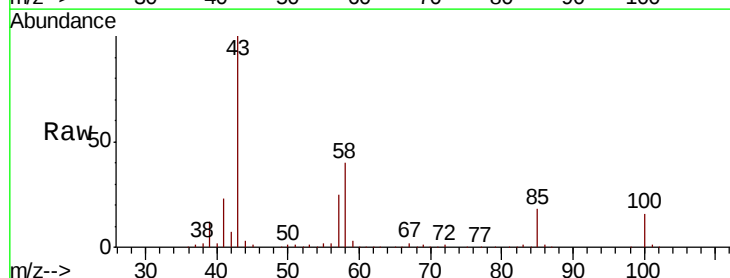
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



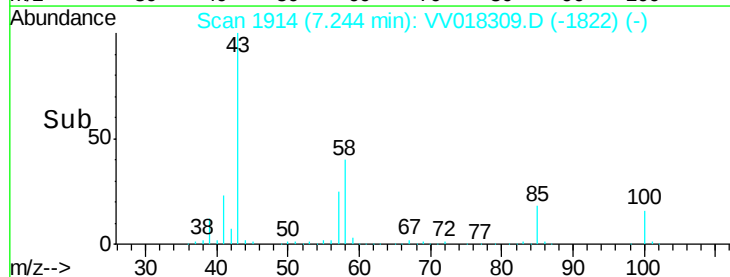
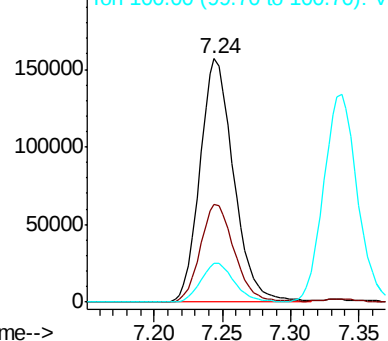
#40

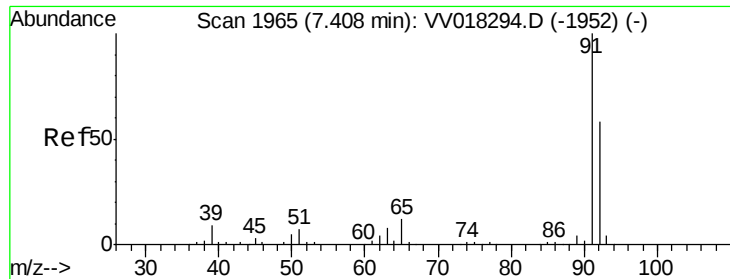
4-Methyl-2-pentanone
Concen: 103.415 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV018309.D
Acq: 18 Sep 2020 10:01

Tgt Ion: 43 Resp: 269776
Ion Ratio Lower Upper
43 100
58 40.4 32.4 48.6
100 15.9 12.7 19.1



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





#42

Toluene

Concen: 52.444 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

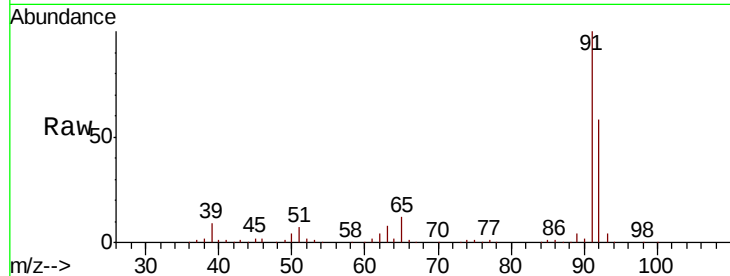
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 450360

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

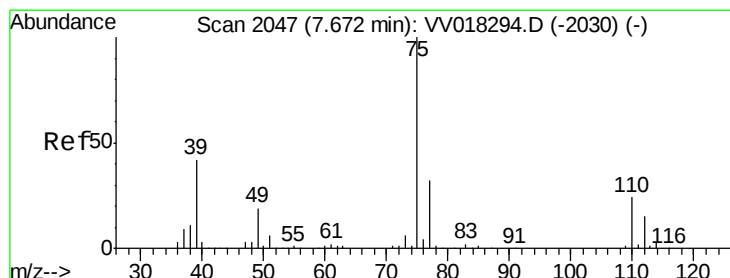
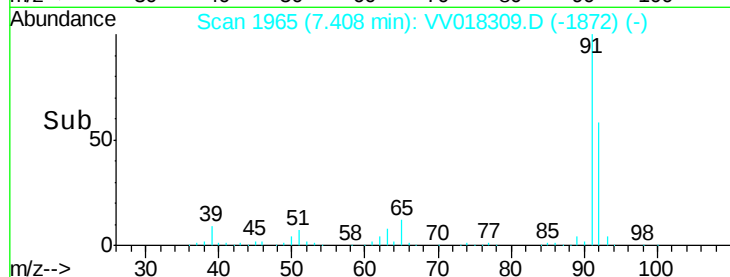
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.306 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018309.D

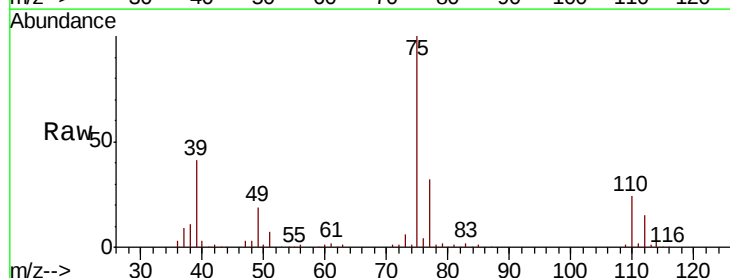
Acq: 18 Sep 2020 10:01

Tgt Ion: 75 Resp: 168729

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

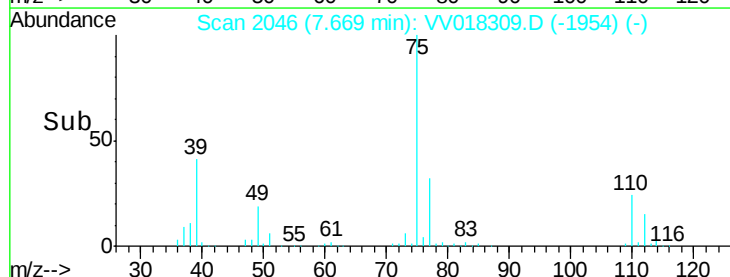
60000

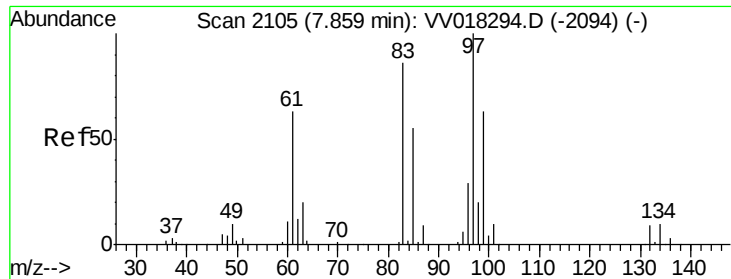
40000

20000

0

Time-->

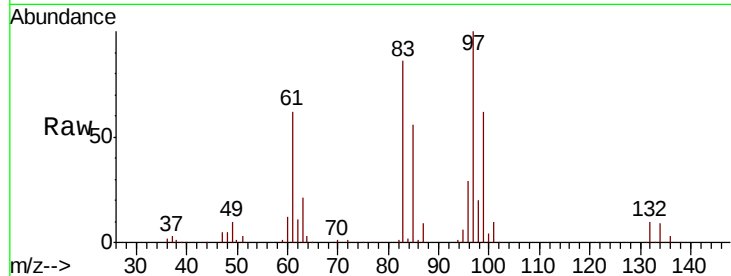




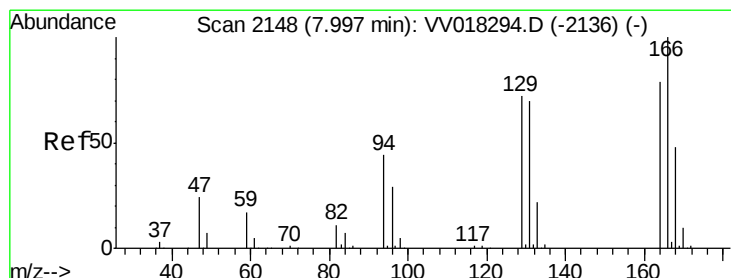
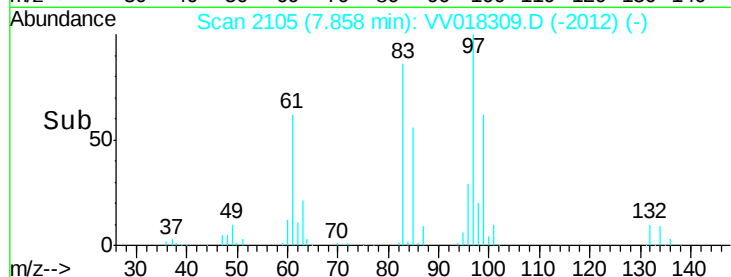
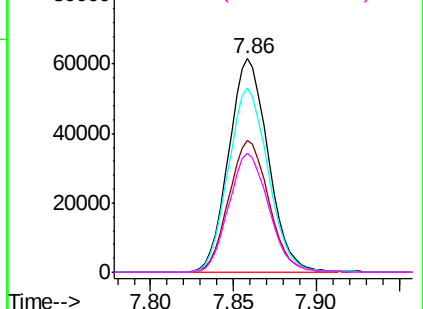
#45
 1,1,2-Trichloroethane
 Concen: 51.352 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018309.D
 Acq: 18 Sep 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	102348
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.7	81.1
83	86.1	59.9	111.3
85	55.9	37.6	69.8

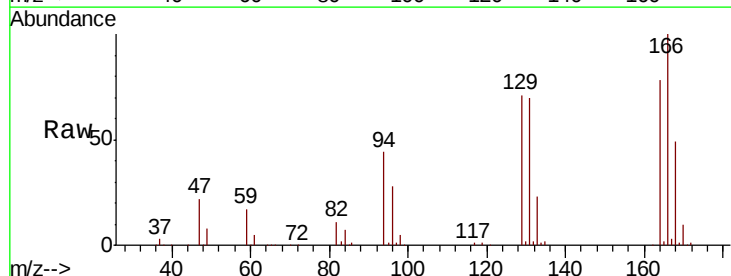


Abundance Ion 97.00 (96.70 to 97.70): VV018309.D (-2012) (-)

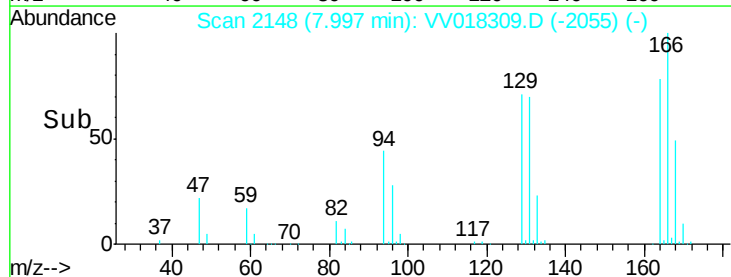
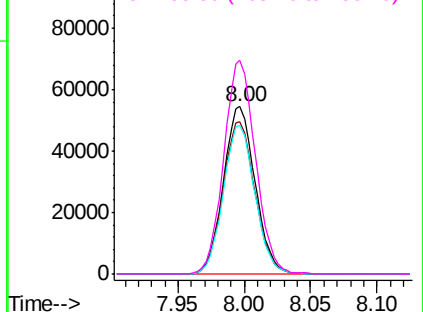


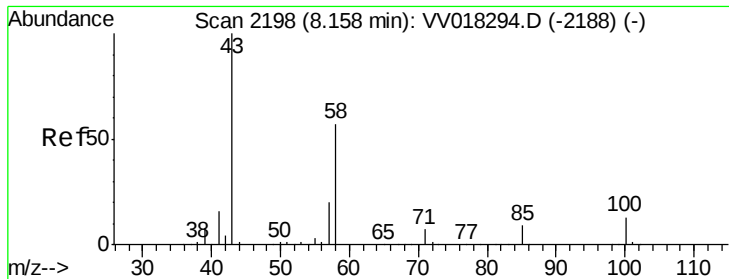
#46
 Tetrachloroethene
 Concen: 52.326 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018309.D
 Acq: 18 Sep 2020 10:01

Tgt Ion:	164	Resp:	90692
Ion	Ratio	Lower	Upper
164	100		
129	90.9	64.5	119.7
131	88.9	61.8	114.8
166	127.6	90.6	168.2



Abundance Ion 164.00 (163.70 to 164.70): VV018309.D (-2055) (-)

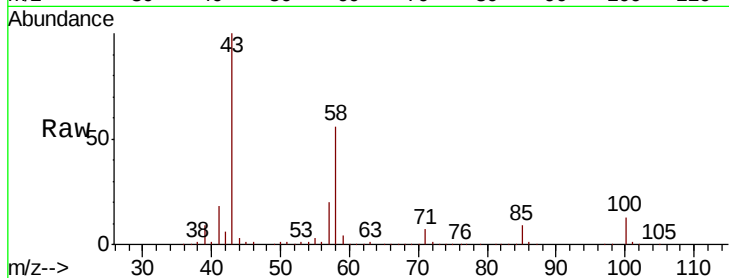




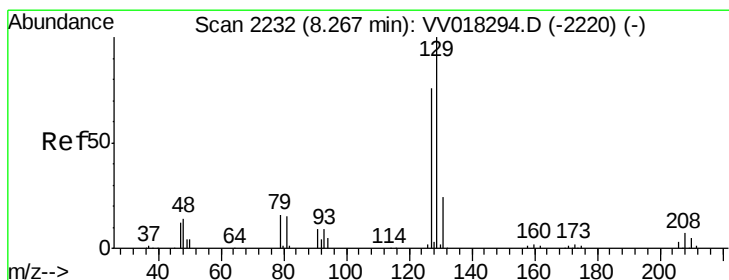
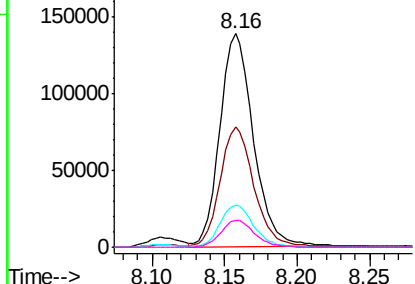
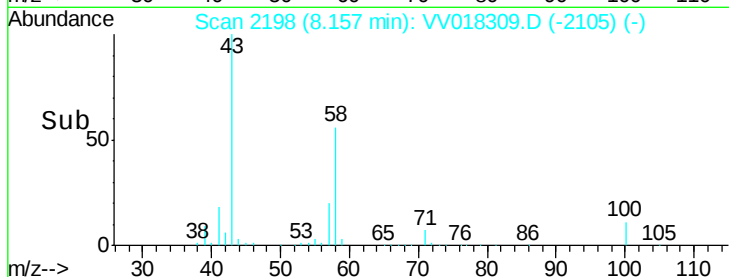
#48
2-Hexanone
Concen: 107.879 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018309.D
Acq: 18 Sep 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 221866
Ion Ratio Lower Upper
43 100
58 57.4 44.8 67.2
57 19.6 15.8 23.6
100 12.9 10.2 15.4

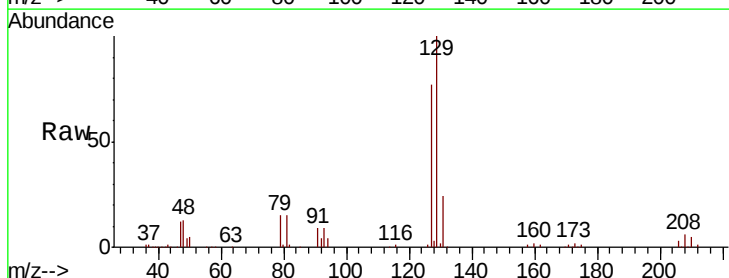


Abundance Ion 43.00 (42.70 to 43.70): VV018309.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV018309.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV018309.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV018309.D (-2105) (-)

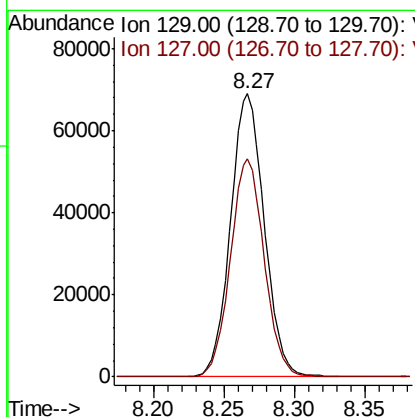
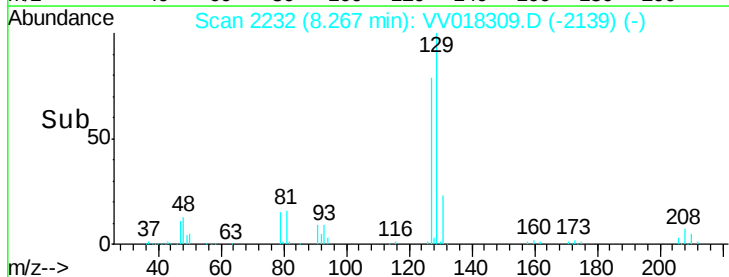


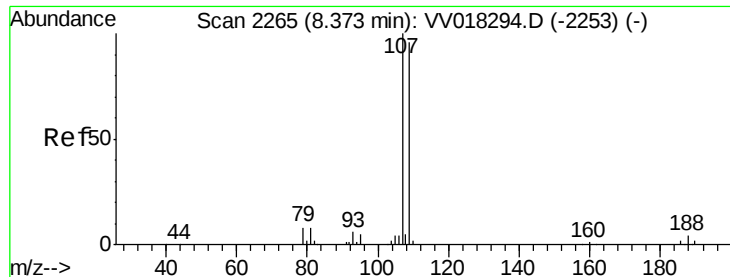
#49
Dibromochloromethane
Concen: 51.757 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018309.D
Acq: 18 Sep 2020 10:01

Tgt Ion: 129 Resp: 115788
Ion Ratio Lower Upper
129 100
127 77.2 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): VV018309.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV018309.D (-2139) (-)

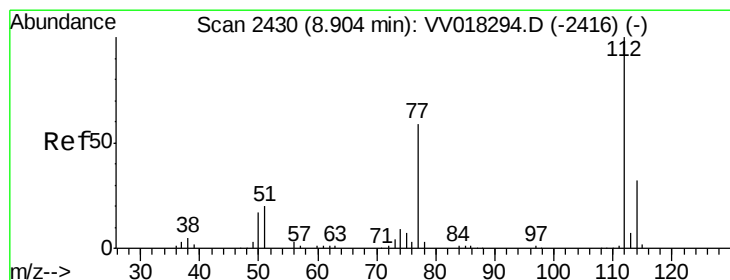
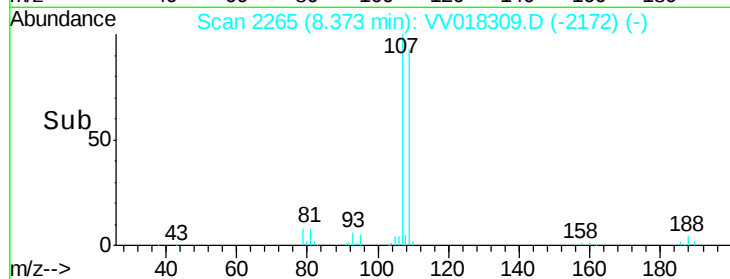
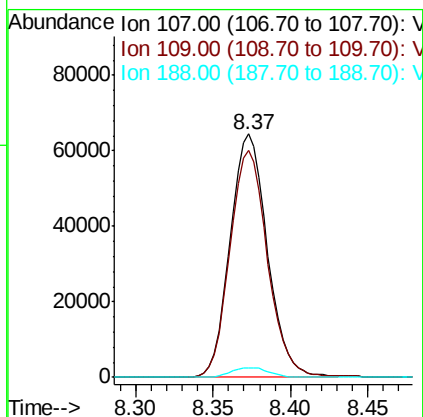
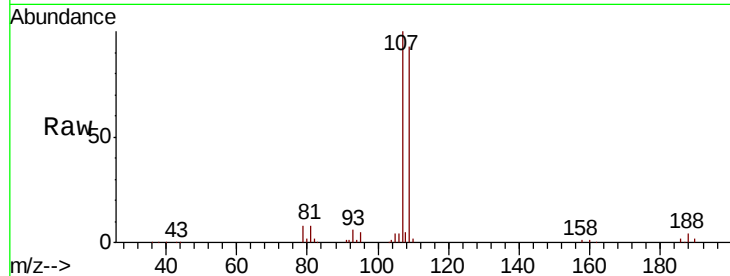




#50
1,2-Dibromoethane
Concen: 51.367 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018309.D
Acq: 18 Sep 2020 10:01

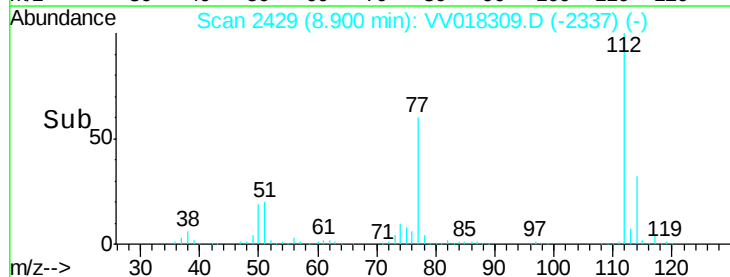
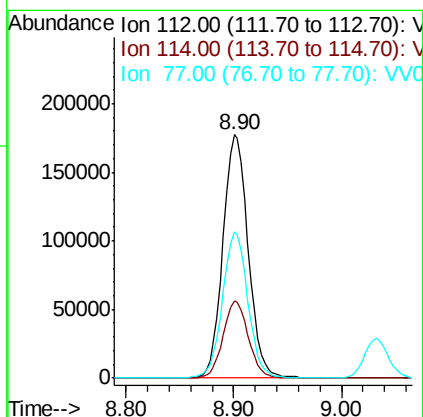
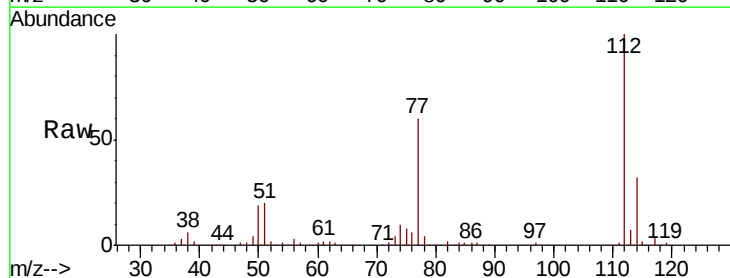
Instrument :
MSVOA_V
ClientSampleId :

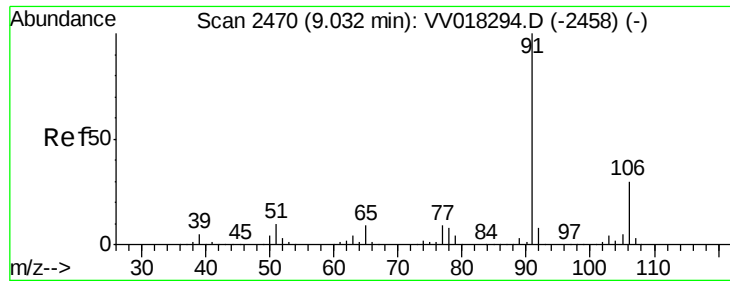
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.1	122.8
188	4.1	3.2	4.8



#51
Chlorobenzene
Concen: 51.932 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018309.D
Acq: 18 Sep 2020 10:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.6	42.0
77	59.8	48.0	72.0





#52

Ethylbenzene

Concen: 53.078 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

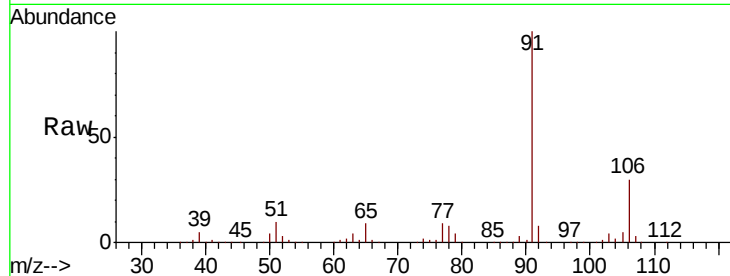
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 497633

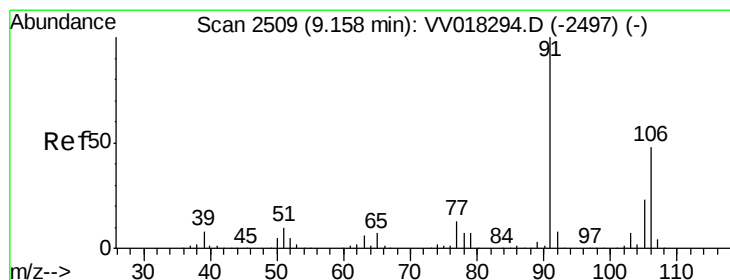
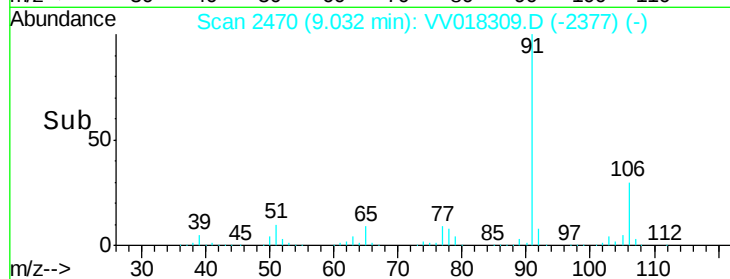
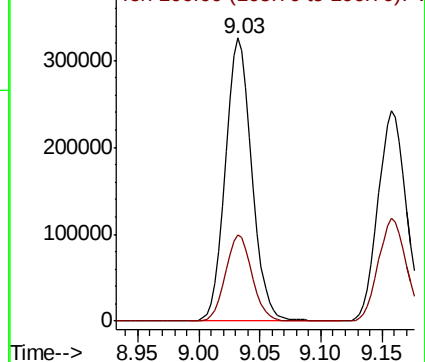
Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018309.D (-2377) (-)



#53

m,p-Xylene

Concen: 54.059 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018309.D

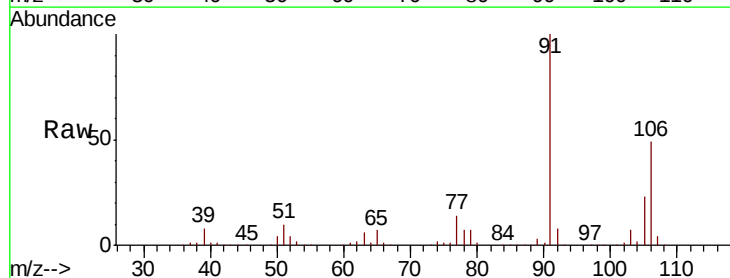
Acq: 18 Sep 2020 10:01

Tgt Ion: 106 Resp: 189177

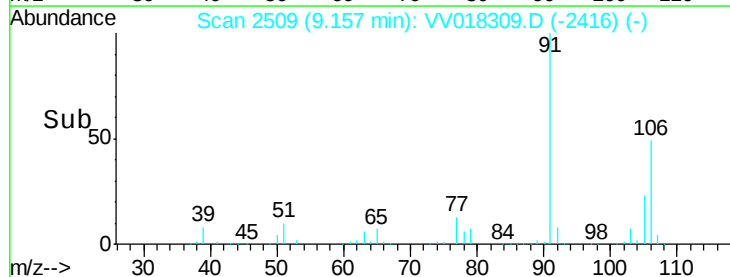
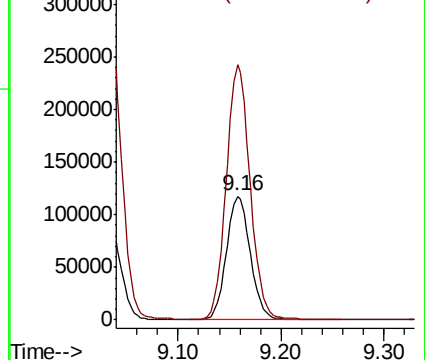
Ion Ratio Lower Upper

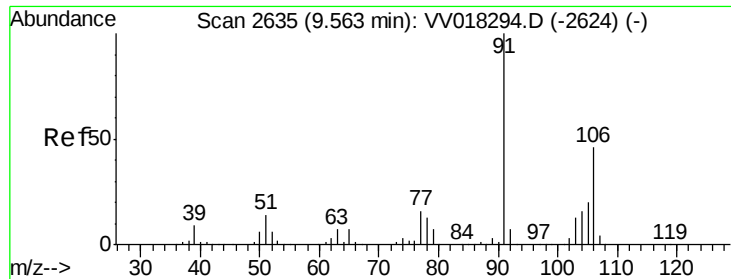
106 100

91 205.7 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018309.D (-2416) (-)





#54

o-xylene

Concen: 53.433 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

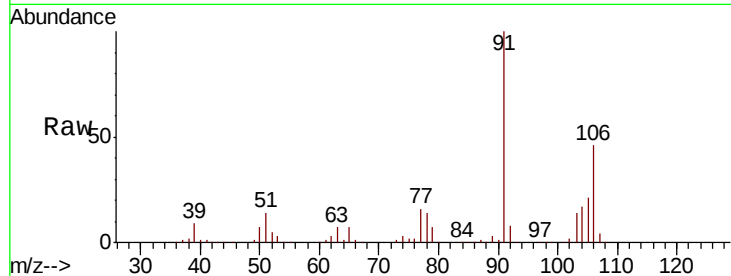
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 180139

Ion Ratio Lower Upper

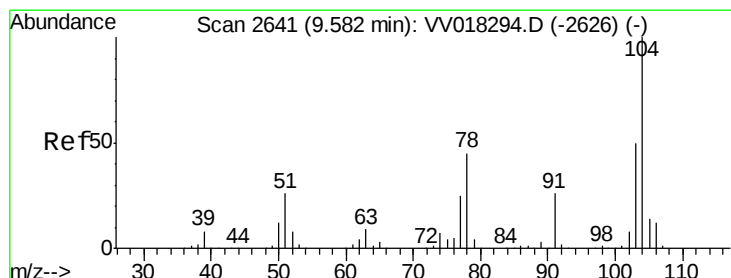
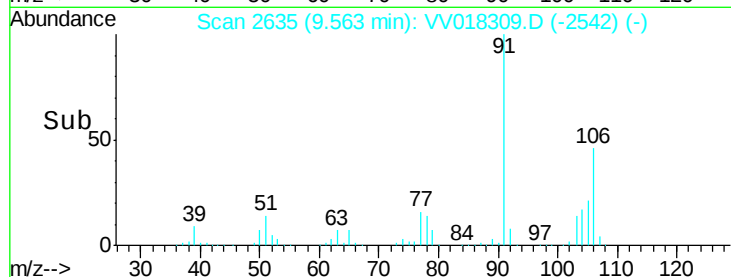
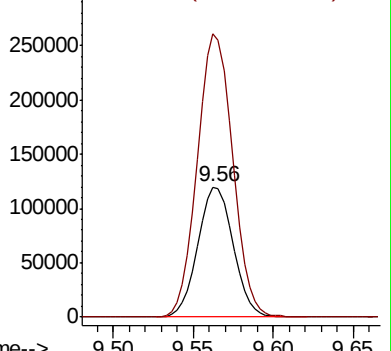
106 100

91 218.1 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 55.656 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018309.D

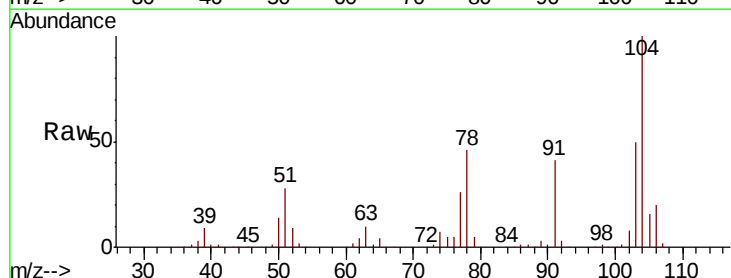
Acq: 18 Sep 2020 10:01

Tgt Ion:104 Resp: 326133

Ion Ratio Lower Upper

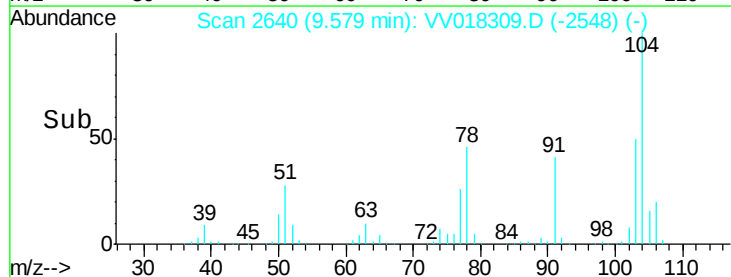
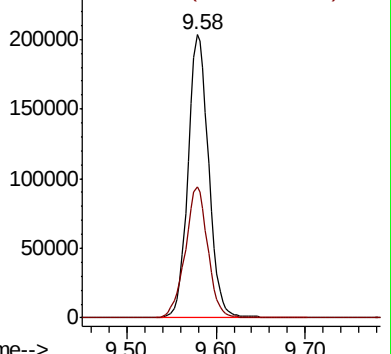
104 100

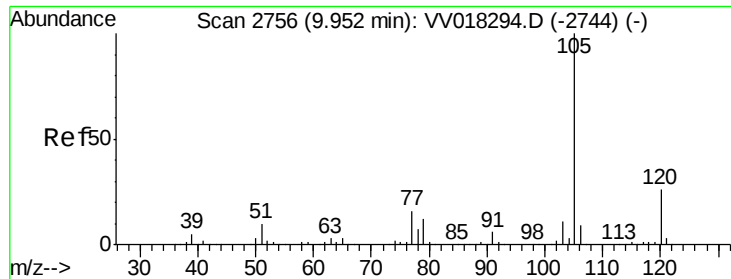
78 46.5 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.965 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

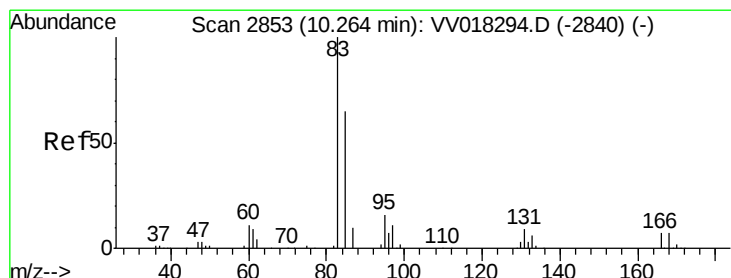
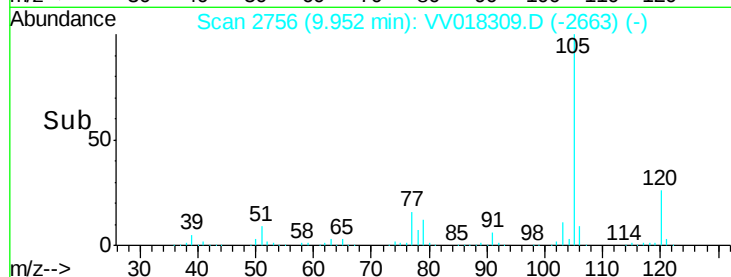
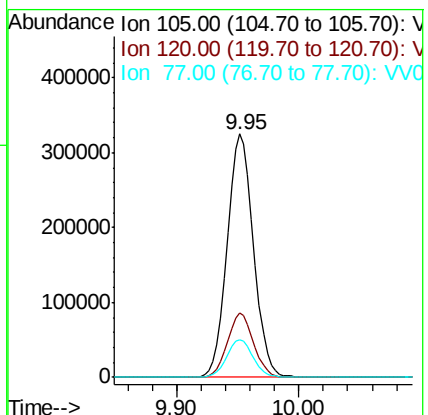
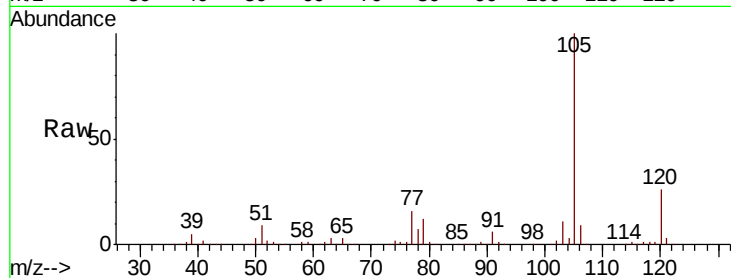
Tot Ion:105 Resp: 490322

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

77 15.7 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 54.566 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

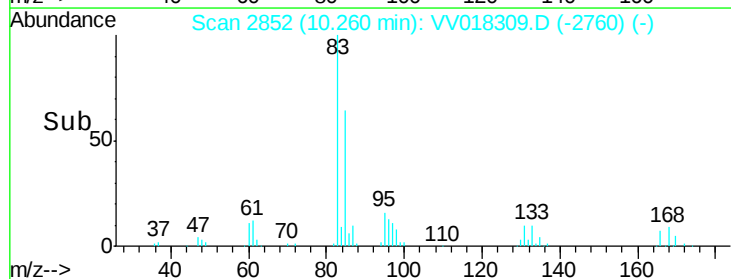
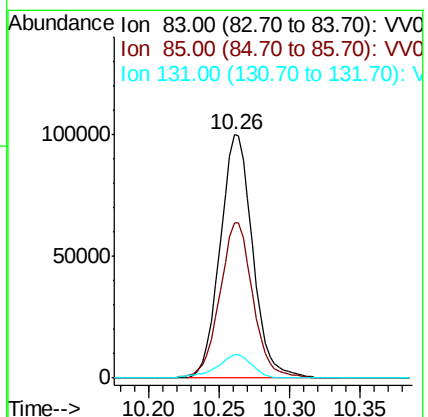
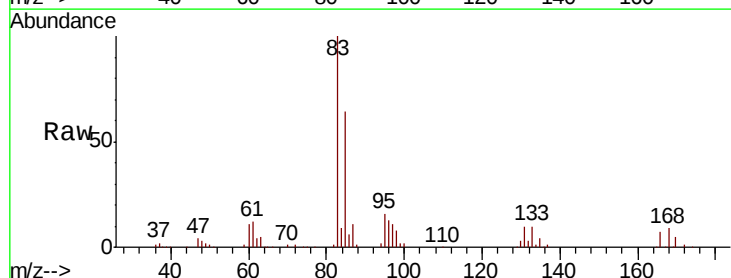
Tgt Ion: 83 Resp: 160871

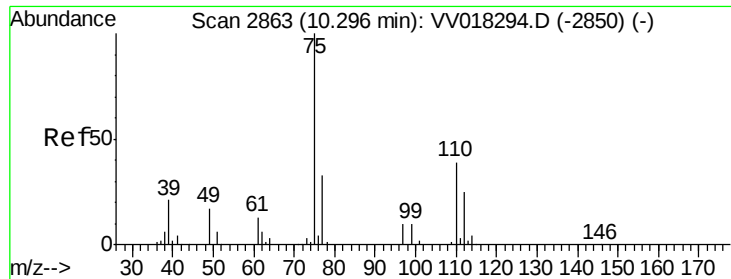
Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.2

131 9.7 8.0 12.0

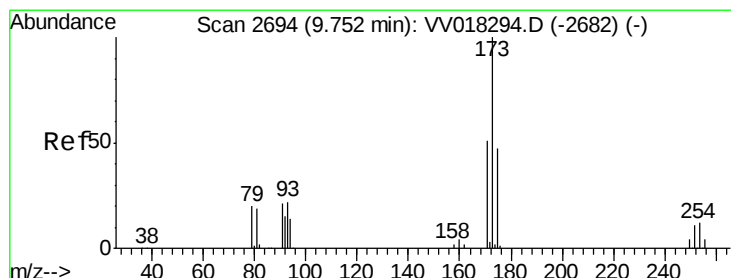
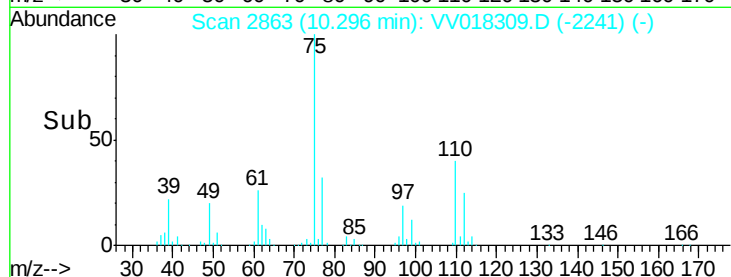
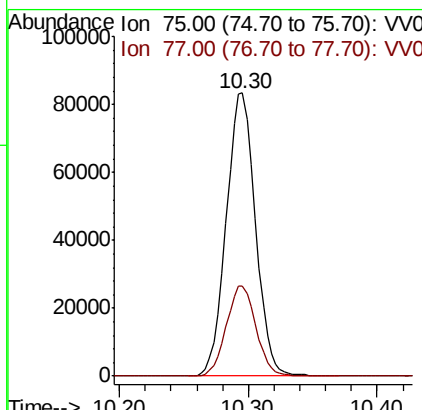
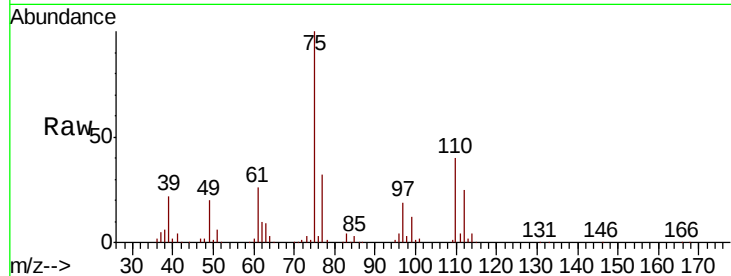




#59
 1,2,3-Trichloropropane
 Concen: 51.743 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV018309.D
 Acq: 18 Sep 2020 10:01

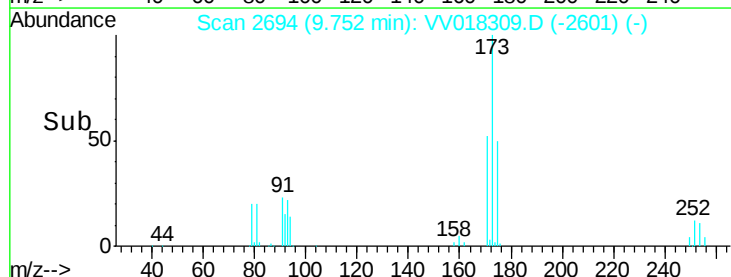
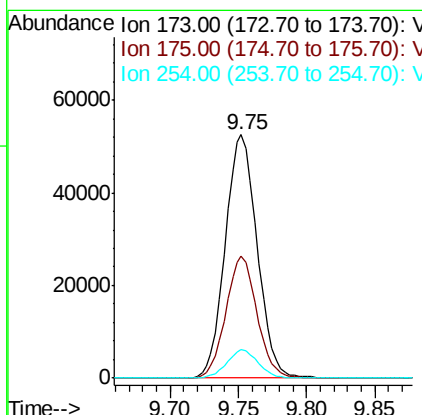
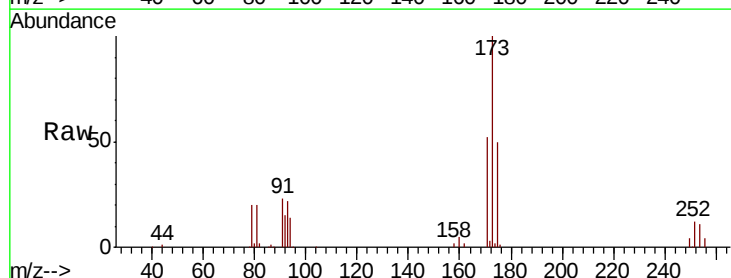
Instrument :
 MSVOA_V
 ClientSampleId :

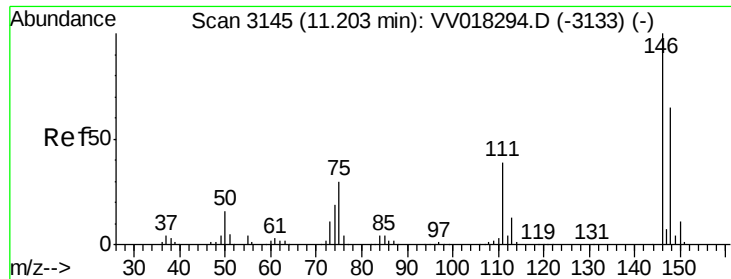
Tot Ion: 75 Resp: 130866
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.6



#61
 Bromoform
 Concen: 50.561 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018309.D
 Acq: 18 Sep 2020 10:01

Tgt Ion: 173 Resp: 85549
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.0 58.6
 254 11.2 9.0 13.4





#62

1,3-Dichlorobenzene

Concen: 52.083 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

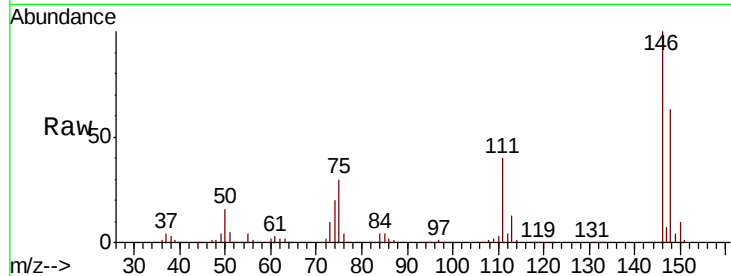
Tot Ion:146 Resp: 243926

Ion Ratio Lower Upper

146 100

111 39.6 27.6 51.2

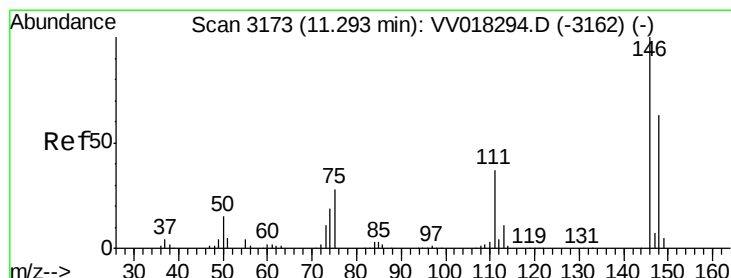
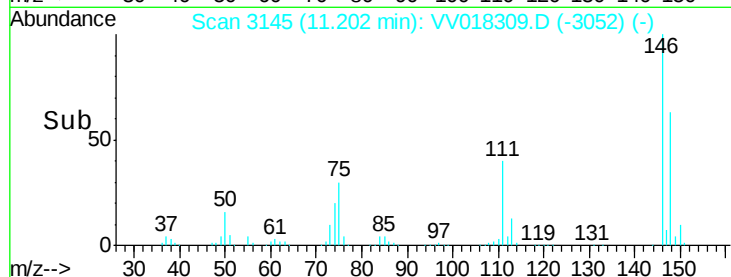
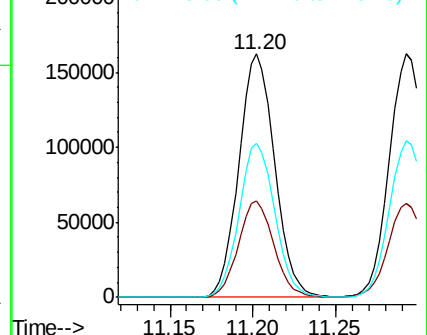
148 63.4 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.315 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

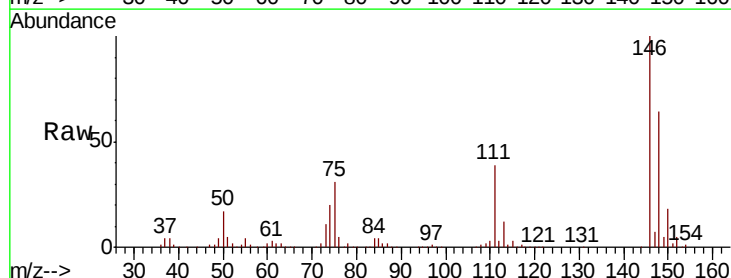
Tgt Ion:146 Resp: 251840

Ion Ratio Lower Upper

146 100

111 38.8 27.1 50.3

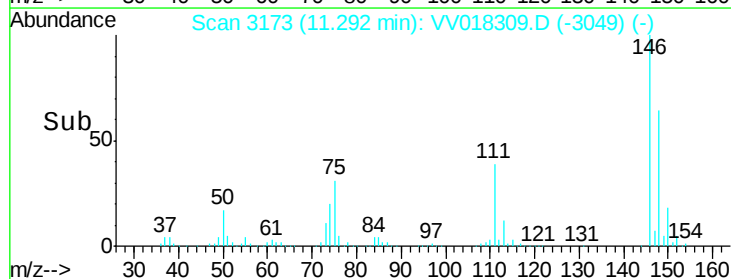
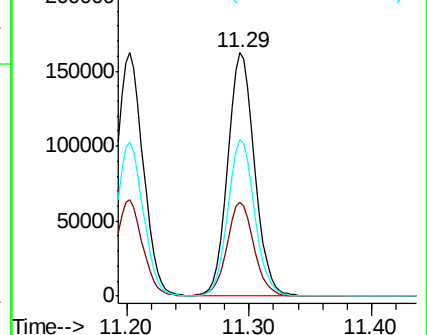
148 64.2 45.4 84.2

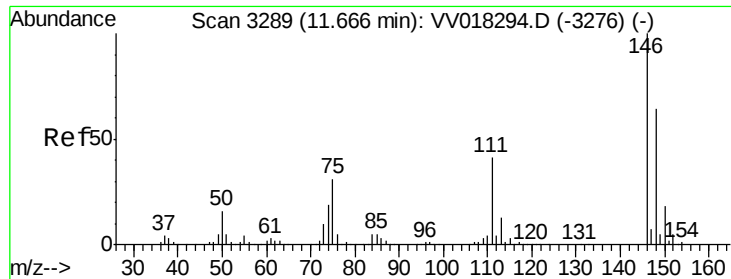


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.775 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

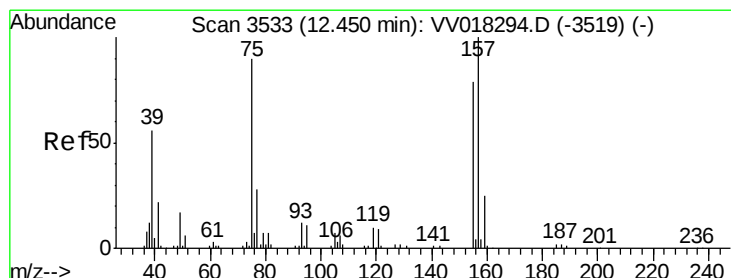
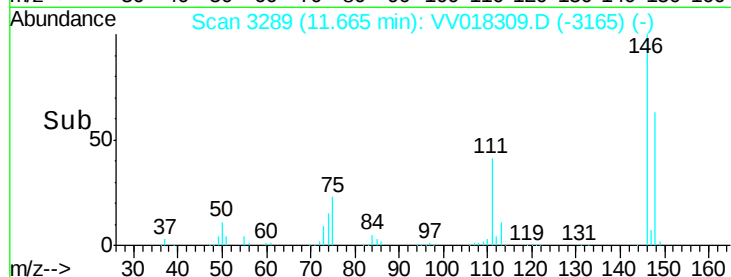
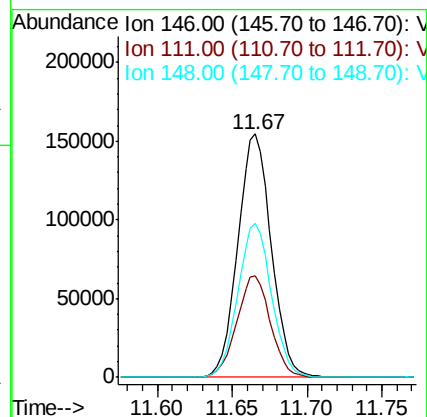
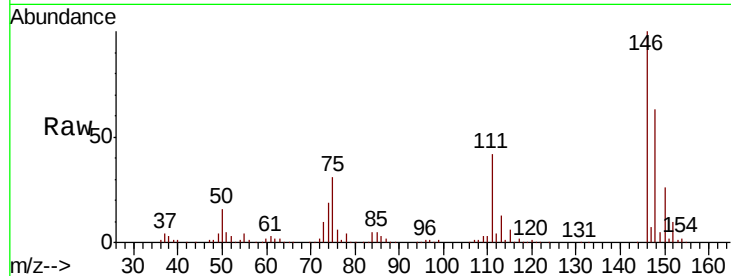
Tot Ion:146 Resp: 240363

Ion Ratio Lower Upper

146 100

111 41.8 32.8 49.2

148 63.1 50.7 76.1



#66

1,2-Dibromo-3-chloropropane

Concen: 52.792 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

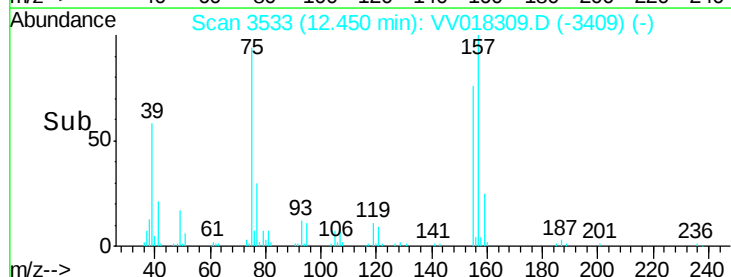
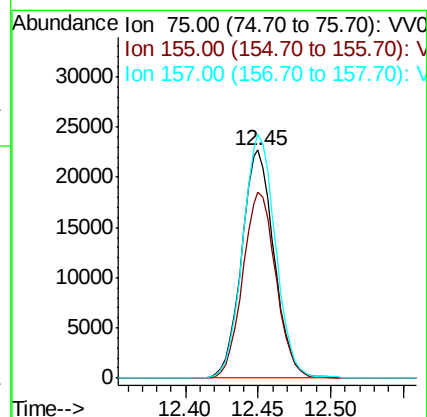
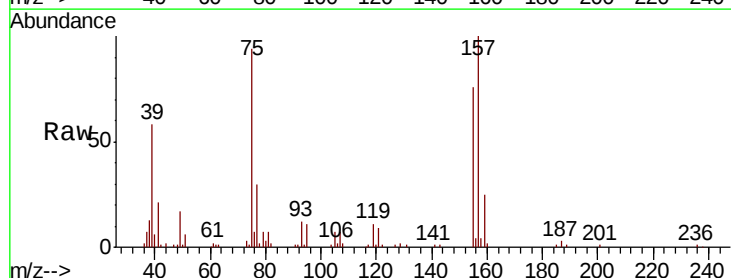
Tgt Ion: 75 Resp: 35266

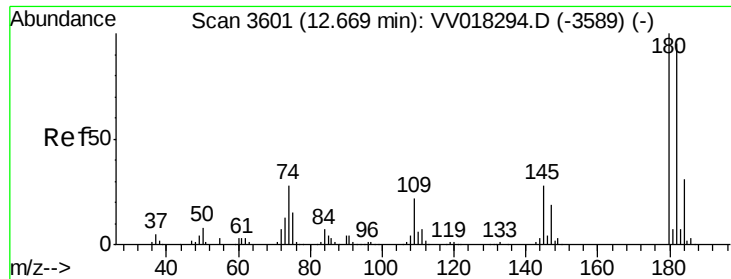
Ion Ratio Lower Upper

75 100

155 81.6 69.7 104.5

157 106.9 88.2 132.4

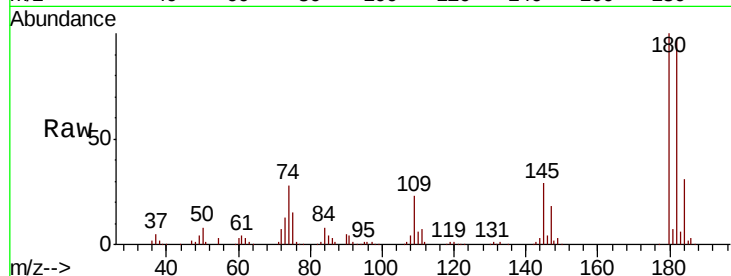




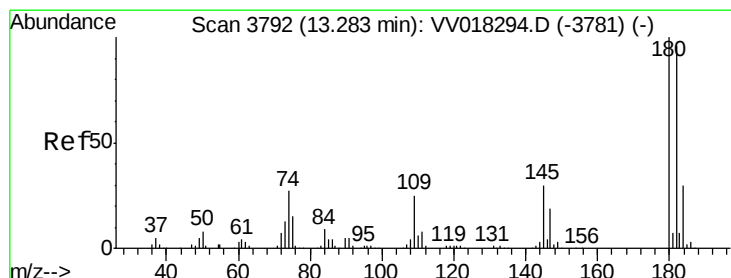
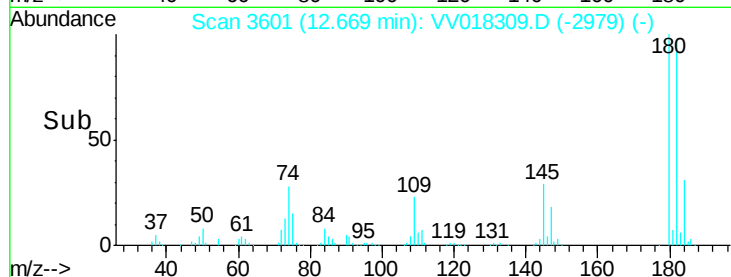
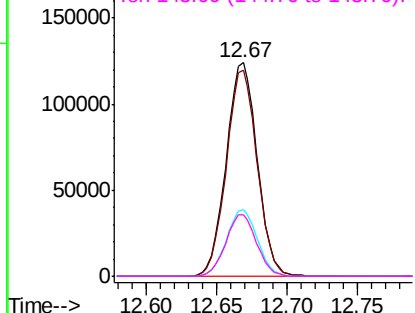
#67
 1,3,5-Trichlorobenzene
 Concen: 51.601 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018309.D
 Acq: 18 Sep 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	190520
Ion Ratio	Lower	Upper
180	100	
182	96.0	76.8 115.2
184	30.9	24.6 36.8
145	28.5	22.7 34.1

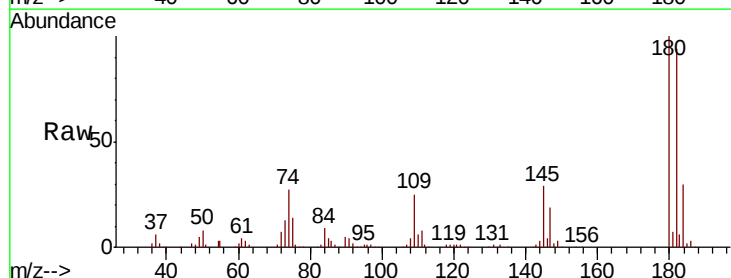


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

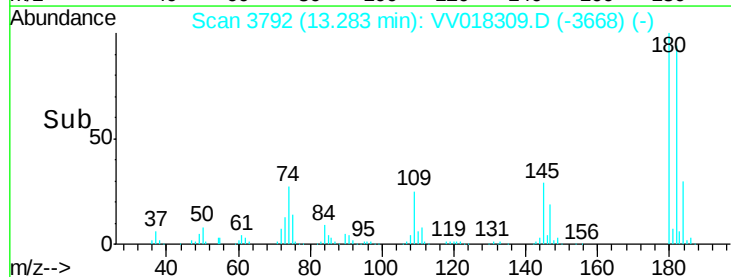
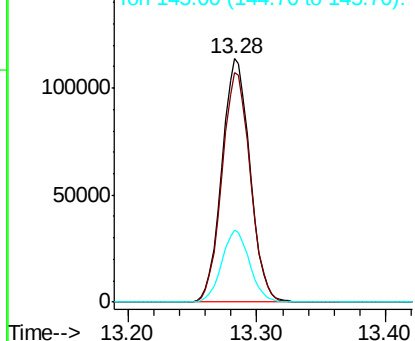


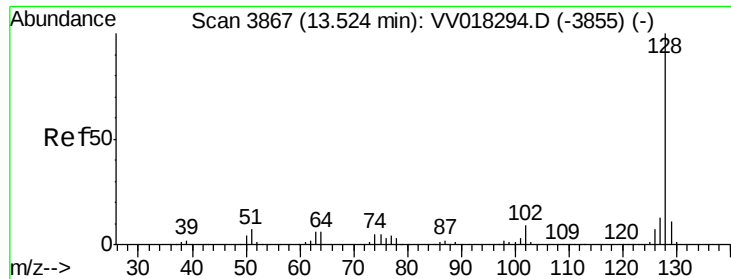
#68
 1,2,4-trichlorobenzene
 Concen: 52.363 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018309.D
 Acq: 18 Sep 2020 10:01

Tgt Ion:180	Resp:	172163
Ion Ratio	Lower	Upper
180	100	
182	95.0	77.4 116.2
145	29.1	23.2 34.8



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





#69

Naphthalene

Concen: 57.090 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

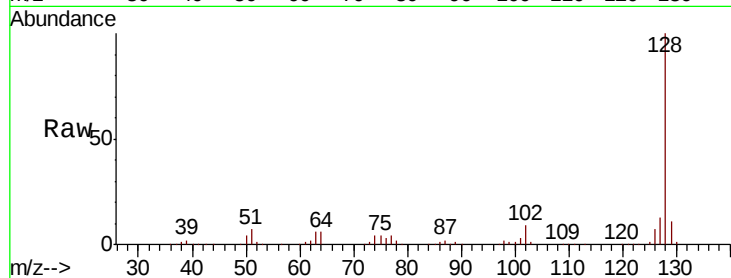
Tot Ion:128 Resp: 474956

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

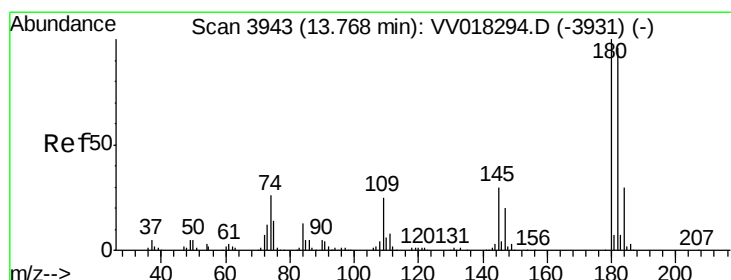
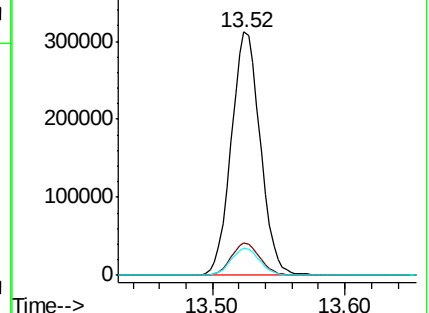
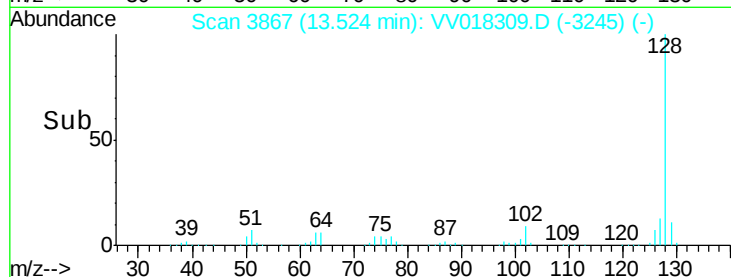
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.475 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018309.D

Acq: 18 Sep 2020 10:01

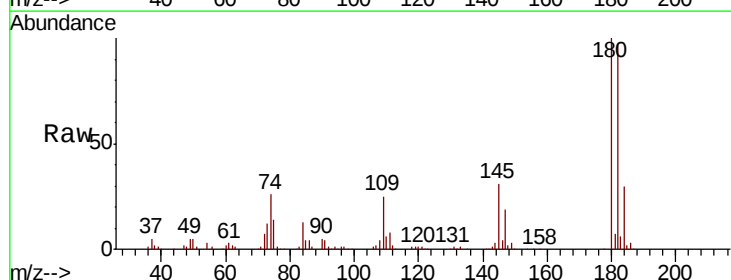
Tgt Ion:180 Resp: 176409

Ion Ratio Lower Upper

180 100

182 96.5 76.5 114.7

145 31.5 24.9 37.3



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

