

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060420\
 Data File : VV016522.D
 Acq On : 04 Jun 2020 20:48
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 05 01:57:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 05 01:52:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	366479	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	351092	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	184169	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	97437	37.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.08%
7) Chloroethane-d5	1.56	69	80896	43.17	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.34%
11) 1,1-Dichloroethene-d2	2.12	63	188689	41.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.02%
21) 2-Butanone-d5	3.90	46	185886	112.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.00%
24) Chloroform-d	4.37	84	241302	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
26) 1,2-Dichloroethane-d4	5.05	65	160435	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
32) Benzene-d6	5.07	84	455798	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
36) 1,2-Dichloropropane-d6	6.09	67	143050	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.64%
41) Toluene-d8	7.34	98	424156	49.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.32%
43) trans-1,3-Dichloropropene-	7.64	79	67956	47.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.16%
47) 2-Hexanone-d5	8.11	63	140866	112.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.24%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	206502	51.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	177994	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	147653	48.831	ug/L	98
3) Chloromethane	1.25	50	147197	50.525	ug/L	98
5) Vinyl chloride	1.32	62	130510	46.364	ug/L	99
6) Bromomethane	1.51	94	47370	32.348	ug/L	99
8) Chloroethane	1.58	64	68637	43.509	ug/L	96
9) Trichlorofluoromethane	1.75	101	191472	47.102	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	94207	44.557	ug/L	98
12) 1,1-Dichloroethene	2.13	96	88125	43.312	ug/L	94
13) Acetone	2.17	43	105337	67.906	ug/L	99
14) Carbon disulfide	2.30	76	327770	46.531	ug/L	99
15) Methyl Acetate	2.44	43	146338	51.326	ug/L	99
16) Methylene chloride	2.52	84	134840	47.009	ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	121645	47.384	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	404357	50.878	ug/L	100
19) 1,1-Dichloroethane	3.21	63	234023	49.291	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	133325	48.123	ug/L	94
22) 2-Butanone	3.98	43	194150	100.861	ug/L	95

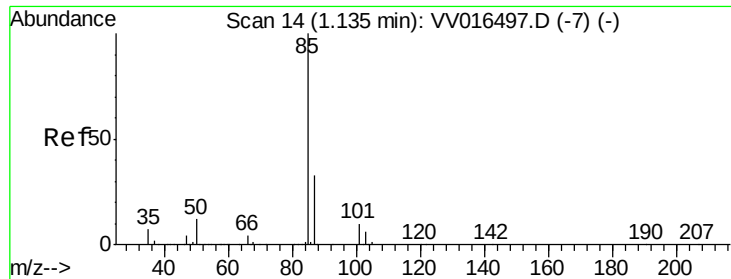
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060420\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jun 05 01:52:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	70613	49.530	ug/L	97
25) Chloroform	4.40	83	240992	48.428	ug/L	98
27) 1,2-Dichloroethane	5.15	62	199557	49.353	ug/L	99
29) Cyclohexane	4.70	56	213553	51.249	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	216158	50.519	ug/L	98
31) Carbon tetrachloride	4.85	117	184863	50.236	ug/L	99
33) Benzene	5.12	78	513577	49.738	ug/L	100
34) Trichloroethene	5.94	95	133221	49.171	ug/L	97
35) Methylcyclohexane	6.15	83	207702	53.408	ug/L	99
37) 1,2-Dichloropropane	6.20	63	133465	49.590	ug/L	99
38) Bromodichloromethane	6.53	83	172332	49.835	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	199267	50.780	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	390364	105.412	ug/L	99
42) Toluene	7.41	91	547647	50.053	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	197462	51.287	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	129465	49.748	ug/L	99
46) Tetrachloroethene	8.00	164	104742	50.140	ug/L	99
48) 2-Hexanone	8.16	43	300312	104.311	ug/L	99
49) Dibromochloromethane	8.27	129	134363	53.108	ug/L	100
50) 1,2-Dibromoethane	8.37	107	136195	49.474	ug/L	99
51) Chlorobenzene	8.90	112	355737	49.469	ug/L	99
52) Ethylbenzene	9.03	91	605748	50.867	ug/L	99
53) m,p-Xylene	9.16	106	228947	50.987	ug/L	100
54) o-xylene	9.57	106	227615	52.340	ug/L	98
55) Styrene	9.58	104	392980	51.583	ug/L	99
56) Isopropylbenzene	9.95	105	604225	53.490	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	208637	49.977	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	167279	49.809	ug/L	98
61) Bromoform	9.75	173	91125	59.092	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	286314	50.176	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	284245	48.010	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	294224	51.228	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	46674	53.549	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	212830	55.440	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	195575	55.029	ug/L	97
69) Naphthalene	13.53	128	603481	55.321	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	195380	57.830	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.831 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

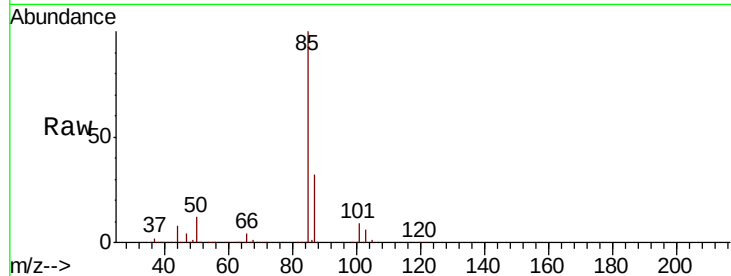
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 147653

Ion Ratio Lower Upper

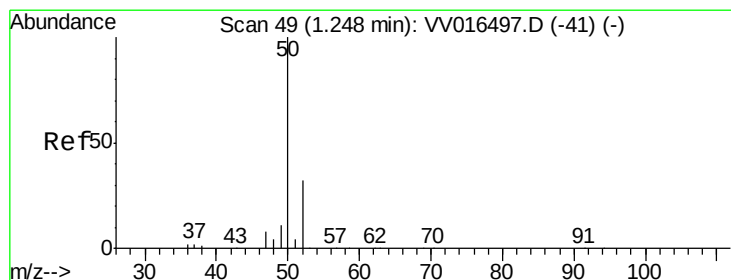
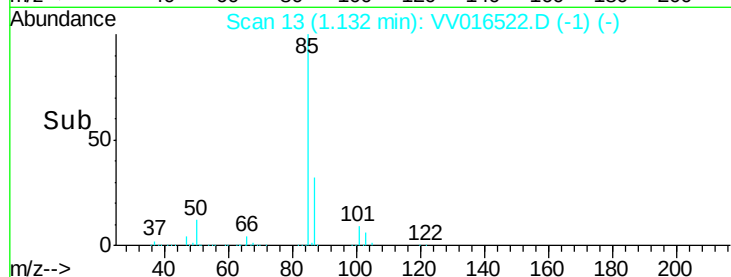
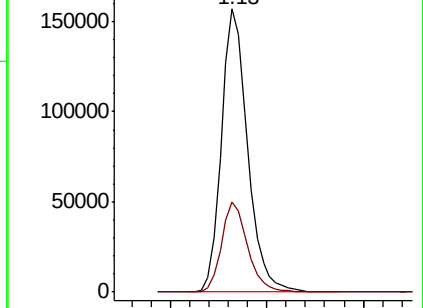
85 100

87 31.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 50.525 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016522.D

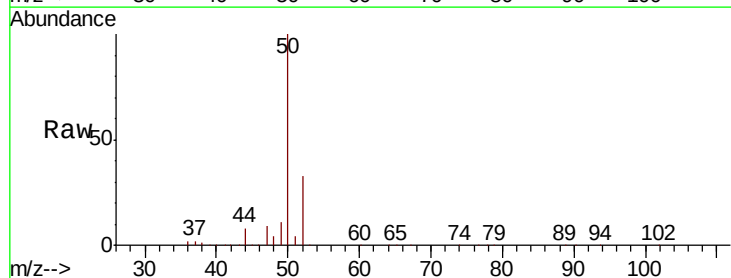
Acq: 04 Jun 2020 20:48

Tgt Ion: 50 Resp: 147197

Ion Ratio Lower Upper

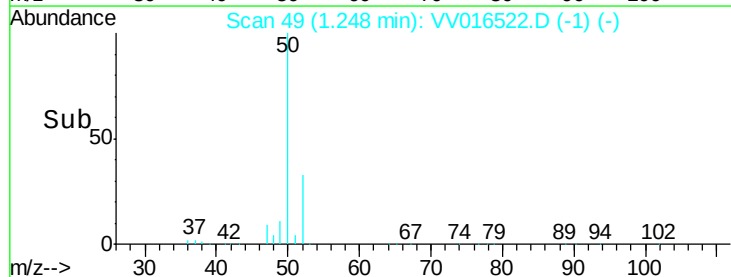
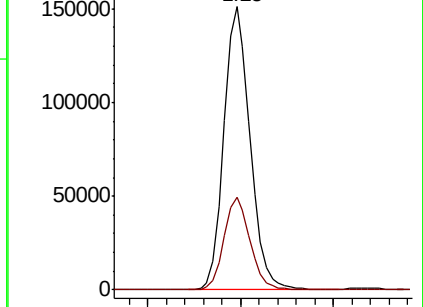
50 100

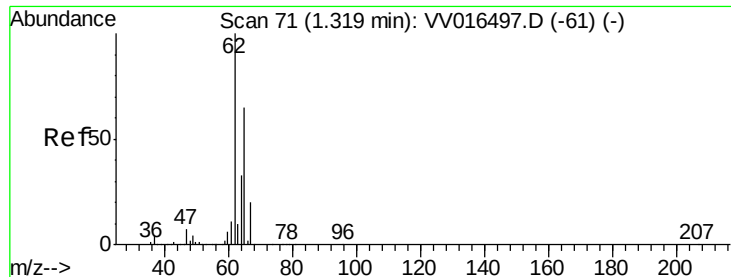
52 32.6 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 46.364 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Instrument :

MSVOA_V

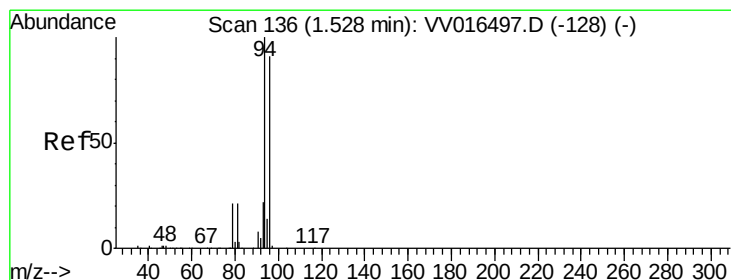
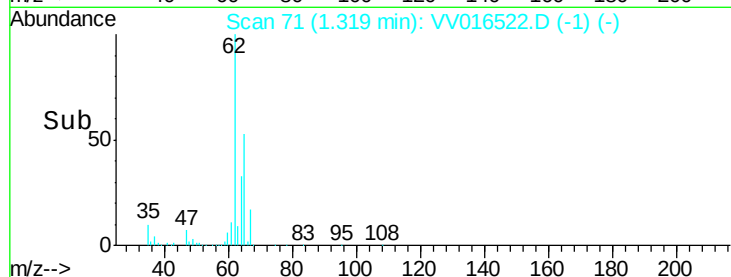
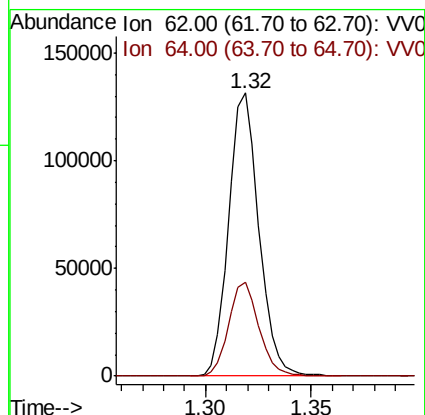
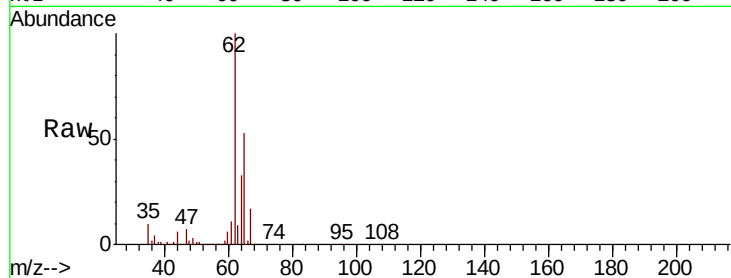
ClientSampleId :

Tot Ion: 62 Resp: 130510

Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.1



#6

Bromomethane

Concen: 32.348 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.02 min

Lab File: VV016522.D

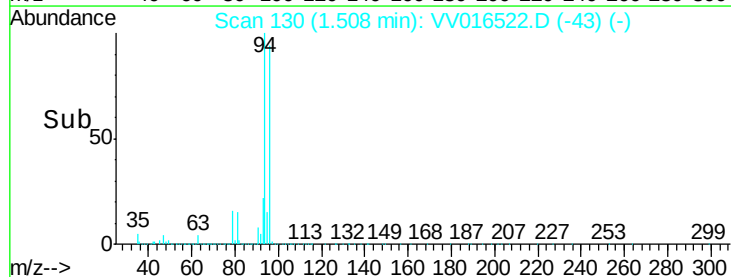
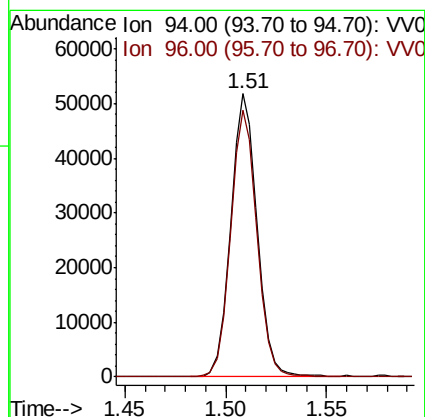
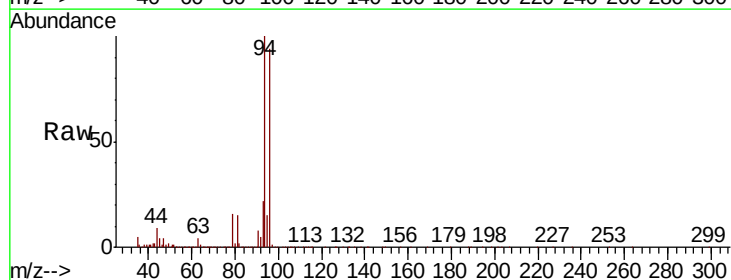
Acq: 04 Jun 2020 20:48

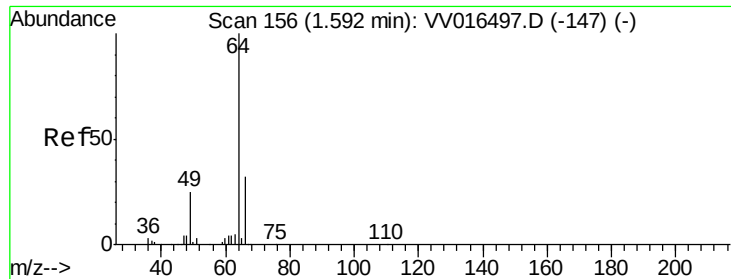
Tgt Ion: 94 Resp: 47370

Ion Ratio Lower Upper

94 100

96 94.4 65.1 120.9





#8

Chloroethane

Concen: 43.509 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.02 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Instrument :

MSVOA_V

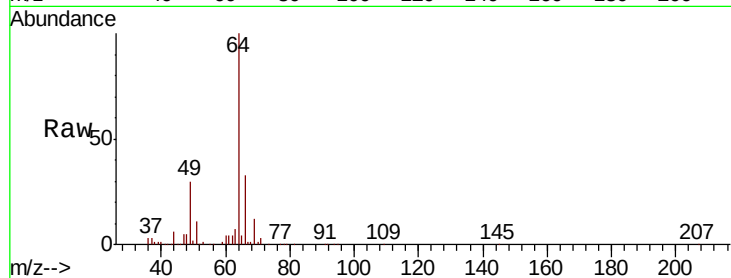
ClientSampleId :

Tot Ion: 64 Resp: 68637

Ion Ratio Lower Upper

64 100

66 32.8 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016497.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV016497.D (-147) (-)

1.58

60000

50000

40000

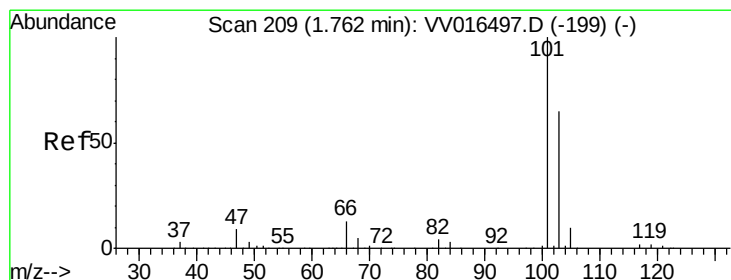
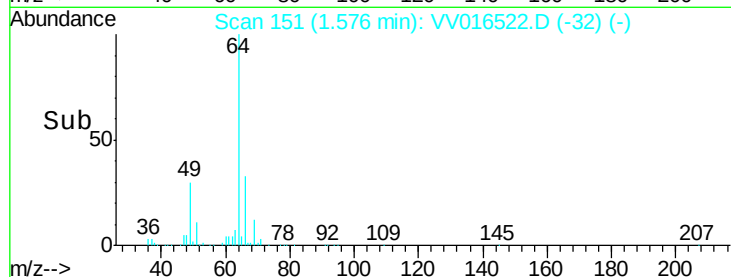
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 47.102 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.01 min

Lab File: VV016522.D

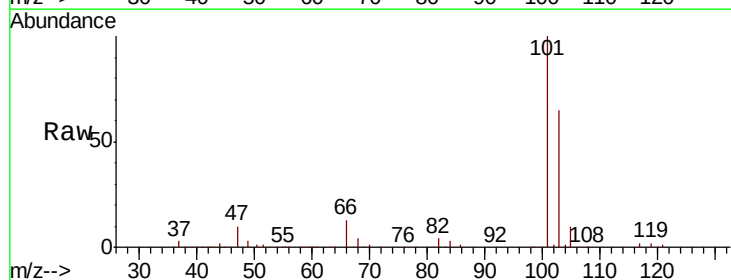
Acq: 04 Jun 2020 20:48

Tgt Ion: 101 Resp: 191472

Ion Ratio Lower Upper

101 100

103 65.3 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016497.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV016497.D (-199) (-)

1.75

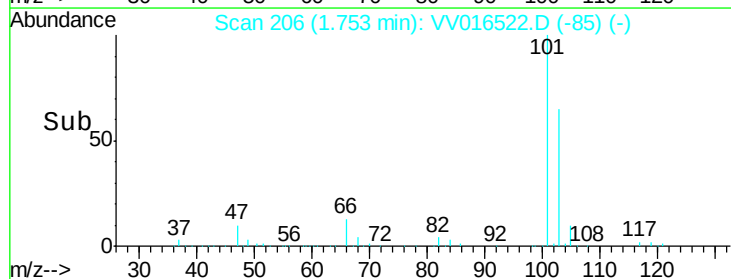
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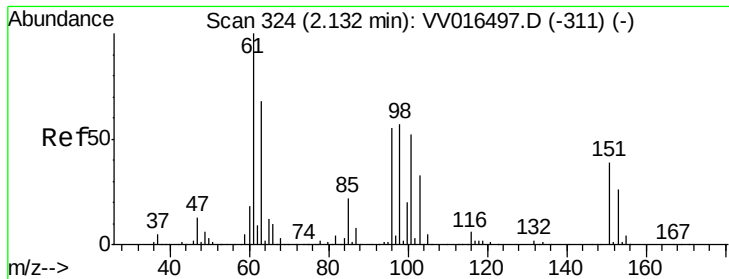
100000

50000

0

Time-->





#10

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

Concen: 44.557 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

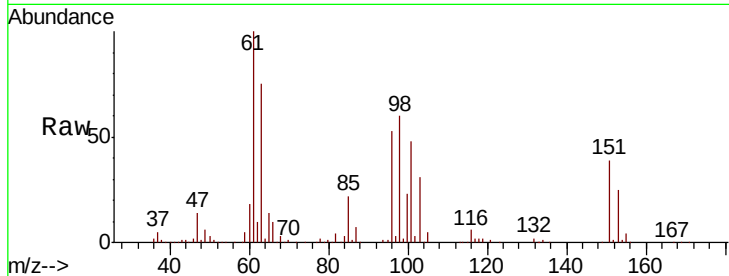
Tot Ion:101 Resp: 94207

Ion Ratio Lower Upper

101 100

85 44.1 35.6 53.4

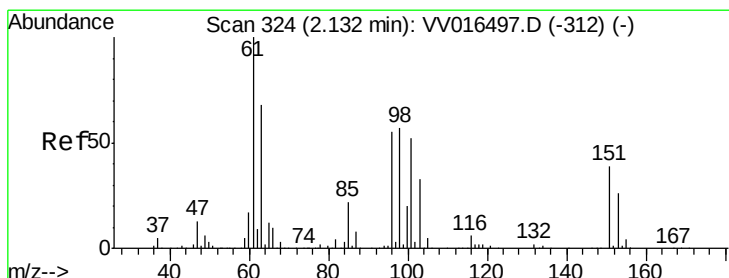
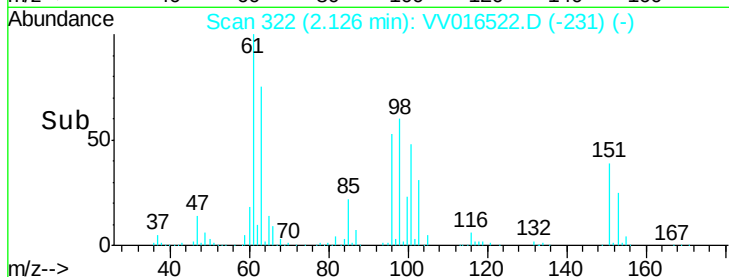
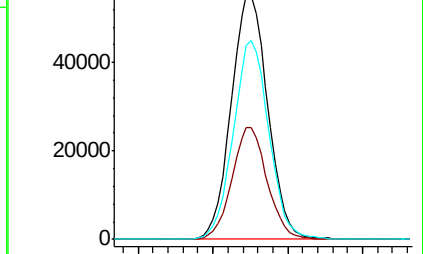
151 79.6 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): VV016497.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV016497.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV016497.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 43.312 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

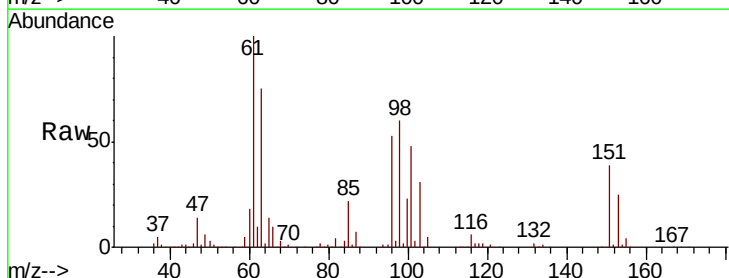
Tgt Ion: 96 Resp: 88125

Ion Ratio Lower Upper

96 100

61 187.9 125.5 233.1

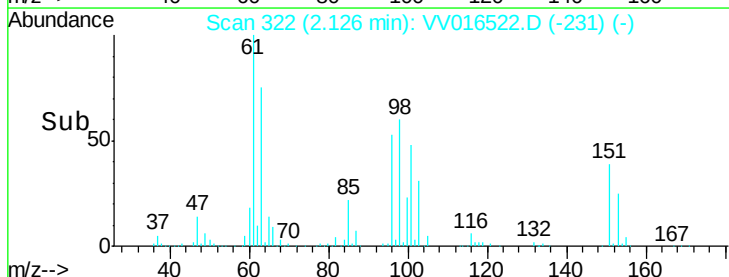
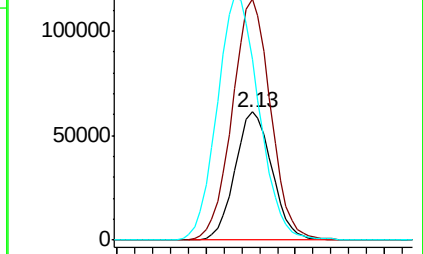
63 141.2 104.0 193.1

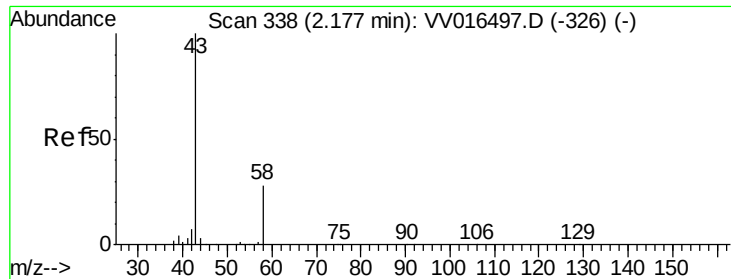


Abundance Ion 96.00 (95.70 to 96.70): VV016497.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV016497.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV016497.D (-312) (-)





#13

Acetone

Concen: 67.906 ug/L

RT: 2.17 min Scan# 337

Delta R.T. -0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Instrument :

MSVOA_V

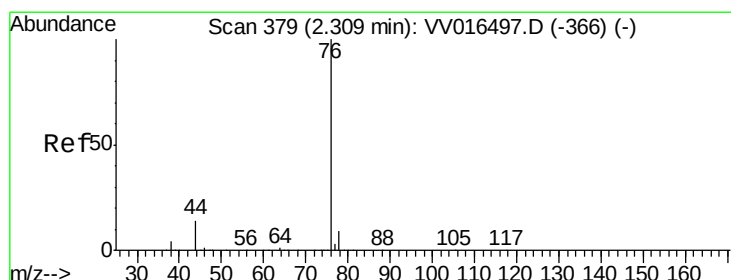
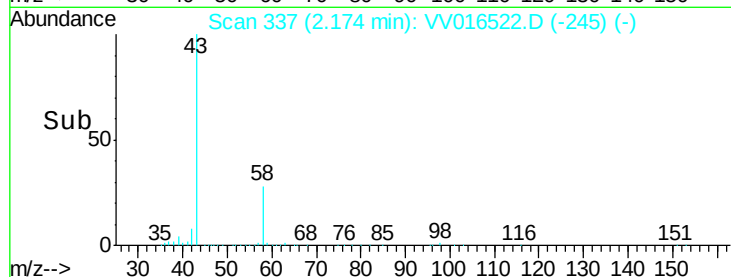
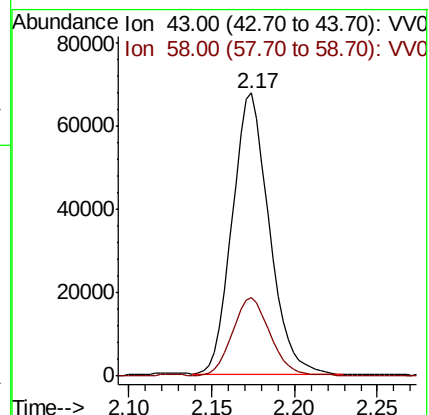
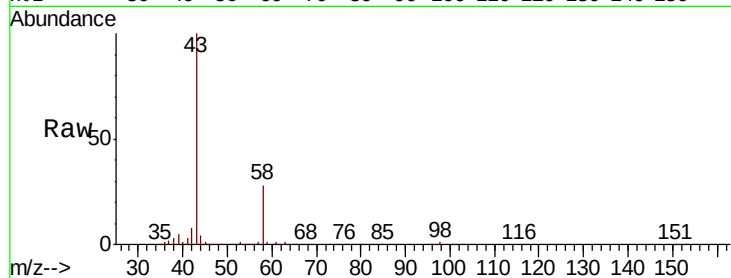
ClientSampleId :

Tot Ion: 43 Resp: 105337

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.2



#14

Carbon disulfide

Concen: 46.531 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.01 min

Lab File: VV016522.D

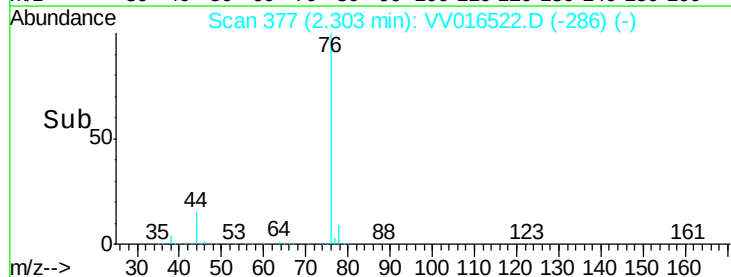
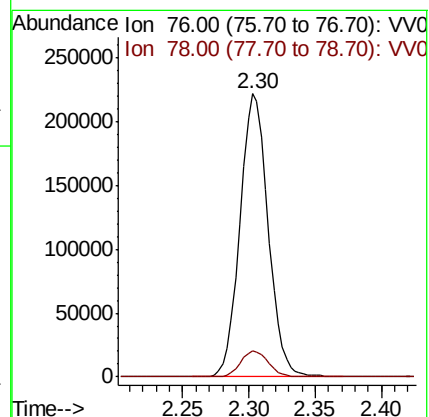
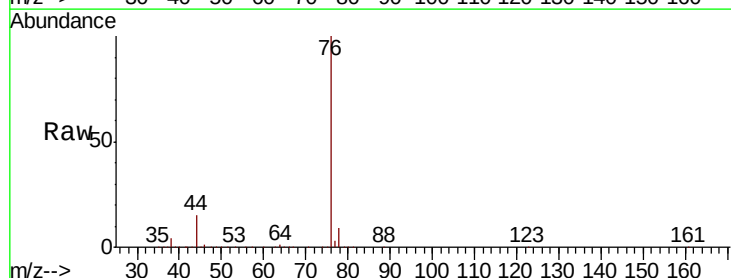
Acq: 04 Jun 2020 20:48

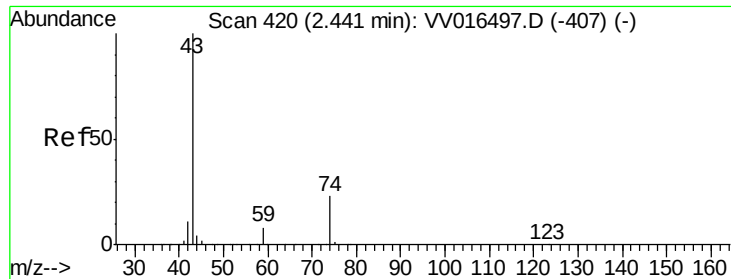
Tgt Ion: 76 Resp: 327770

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

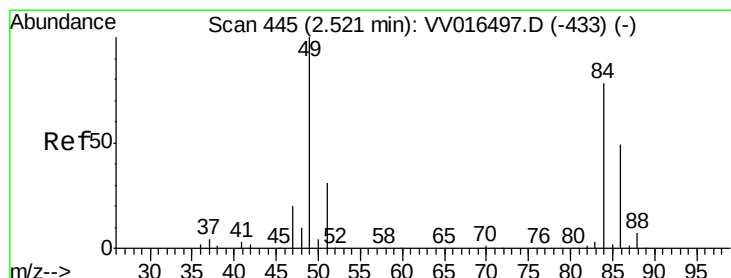
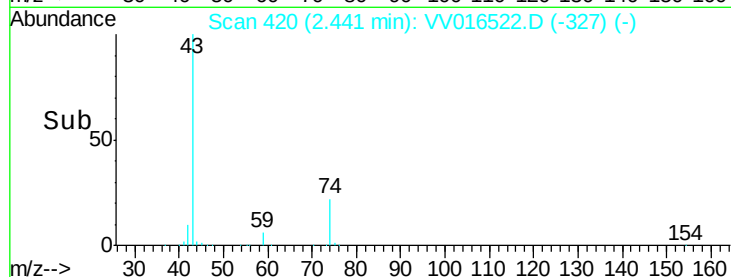
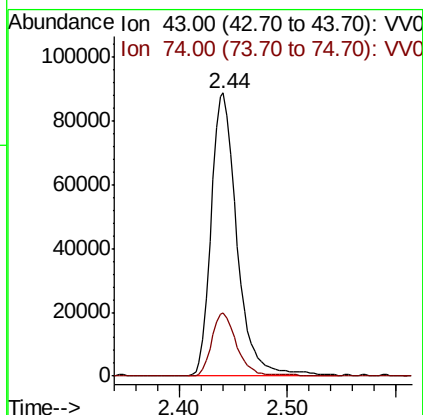
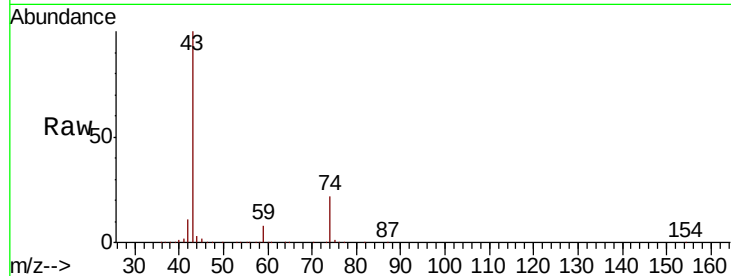




#15
Methvl Acetate
Concen: 51.326 ug/L
RT: 2.44 min Scan# 420
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

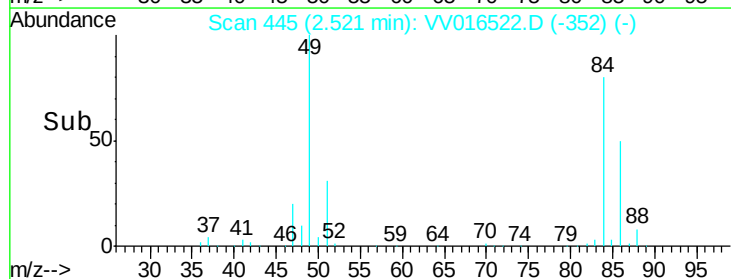
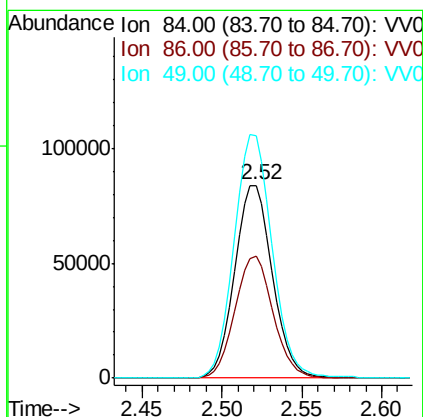
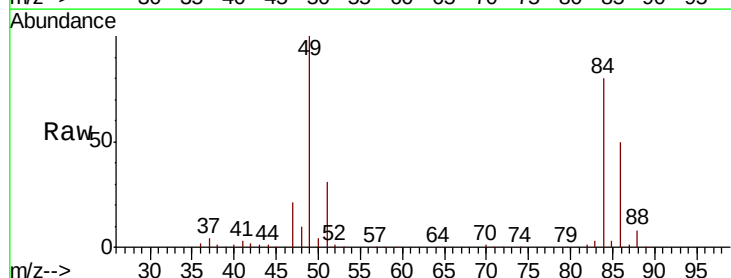
Instrument :
MSVOA_V
ClientSampleId :

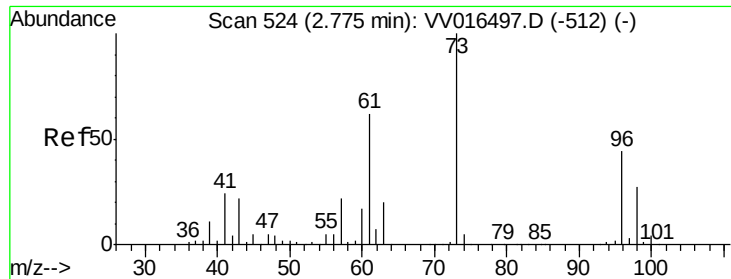
Tot Ion: 43 Resp: 146338
Ion Ratio Lower Upper
43 100
74 21.9 18.1 27.1



#16
Methylene chloride
Concen: 47.009 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

Tgt Ion: 84 Resp: 134840
Ion Ratio Lower Upper
84 100
86 63.2 45.1 83.9
49 125.7 92.4 171.6





#17

trans-1,2-Dichloroethene

Concen: 47.384 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

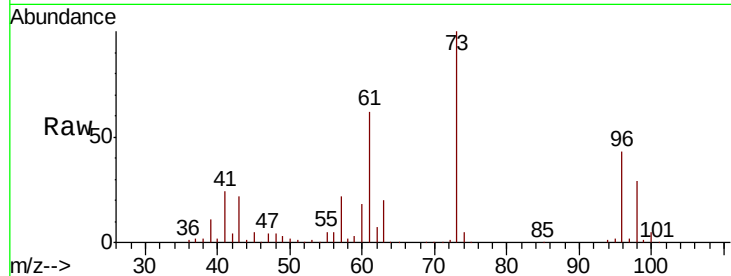
Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 121645

Ion	Ratio	Lower	Upper
96	100		
61	143.5	101.0	187.6
98	66.3	44.7	83.1

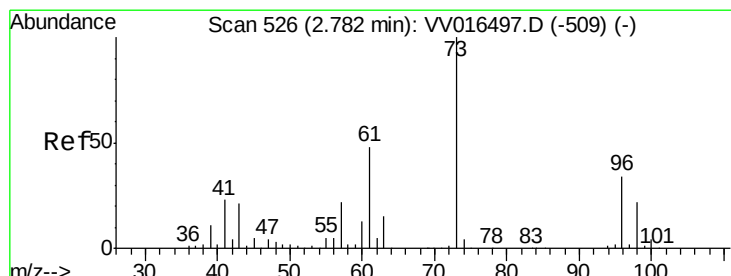
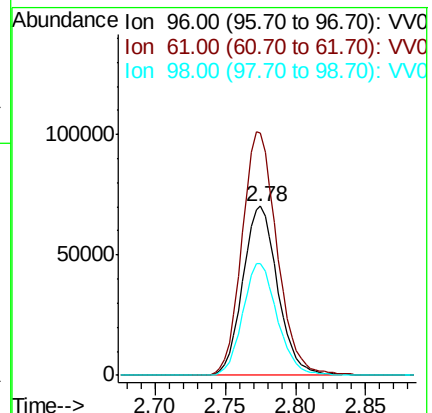
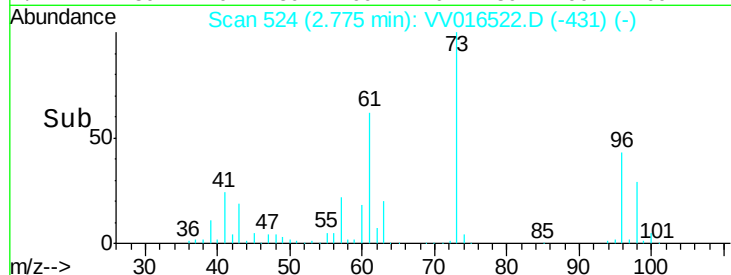


Abundance

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: 50.878 ug/L

RT: 2.78 min Scan# 527

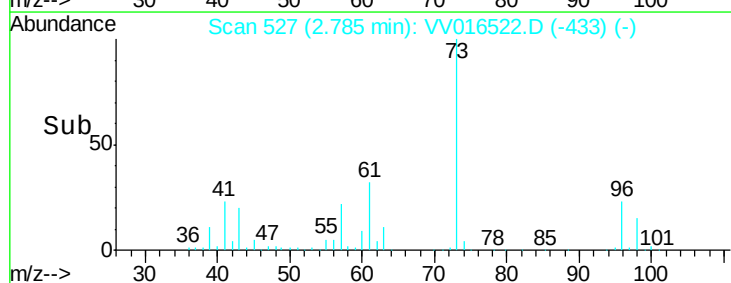
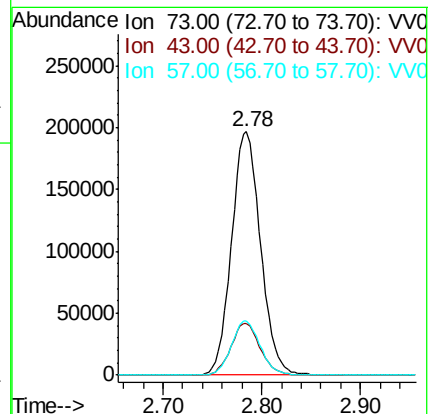
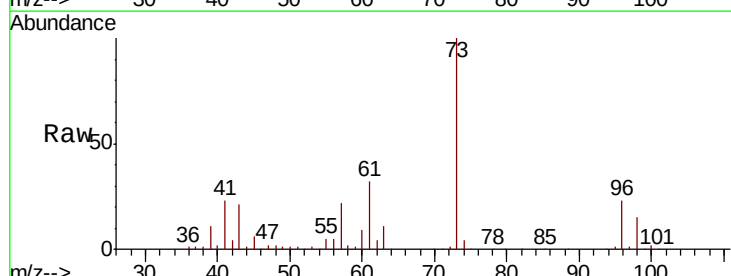
Delta R.T. 0.00 min

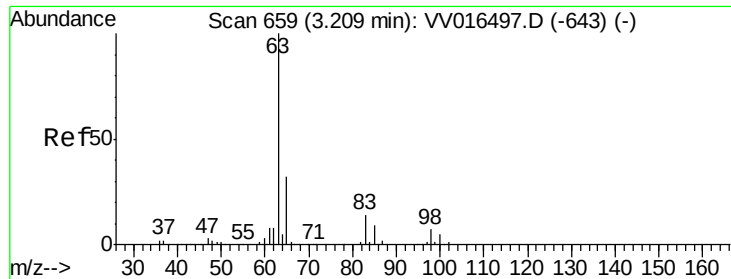
Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Tgt Ion: 73 Resp: 404357

Ion	Ratio	Lower	Upper
73	100		
43	21.2	17.0	25.4
57	22.3	17.8	26.8

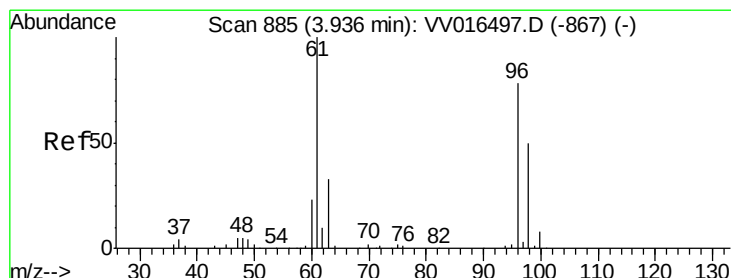
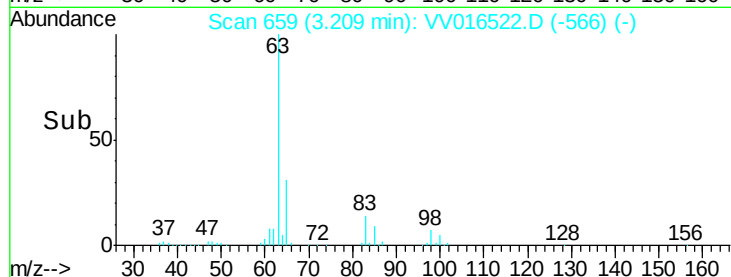
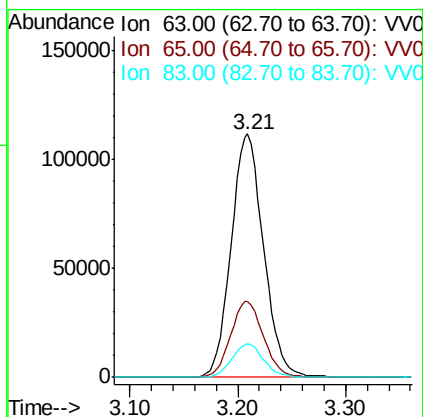
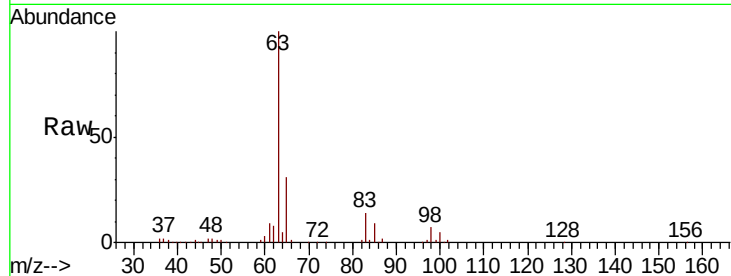




#19
 1,1-Dichloroethane
 Concen: 49.291 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016522.D
 Acq: 04 Jun 2020 20:48

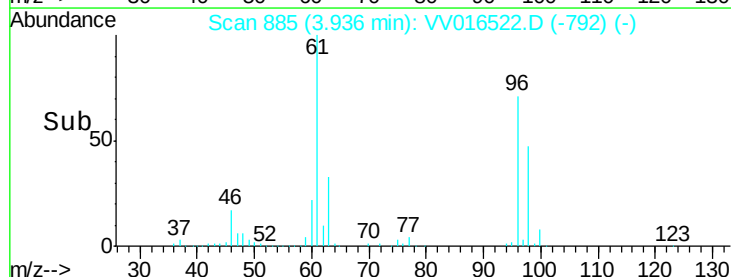
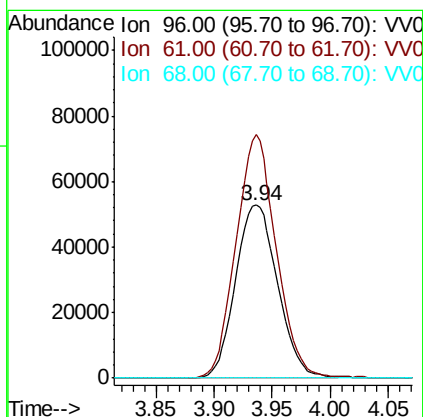
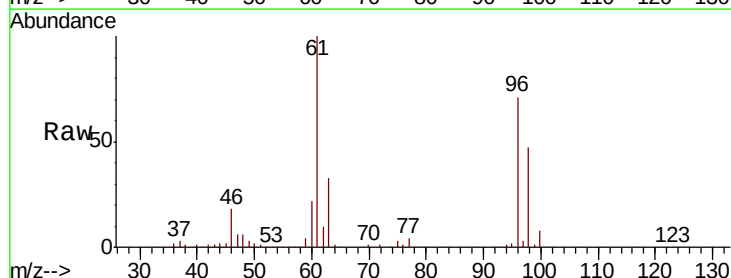
Instrument :
 MSVOA_V
 ClientSampled :

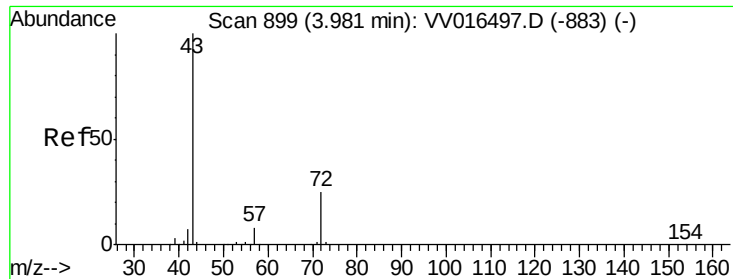
Tot Ion: 63 Resp: 234023
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.2 41.2
 83 13.8 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 48.123 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV016522.D
 Acq: 04 Jun 2020 20:48

Tgt Ion: 96 Resp: 133325
 Ion Ratio Lower Upper
 96 100
 61 141.0 93.4 173.4
 68 0.0 0.0 0.0

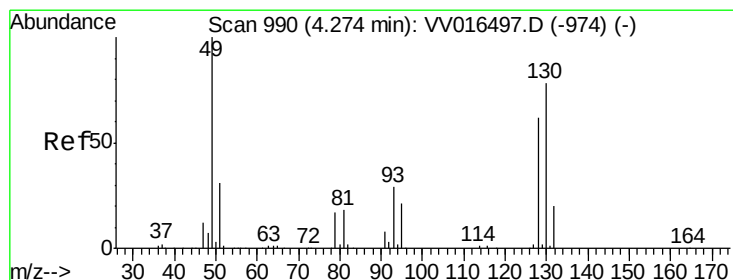
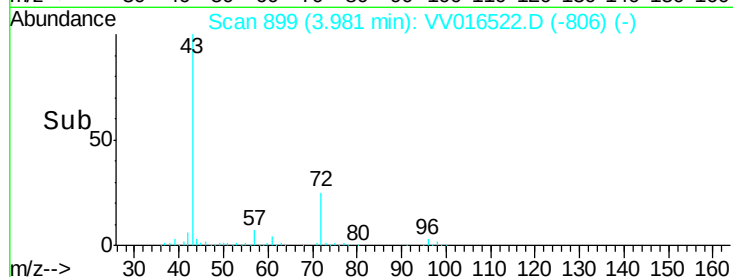
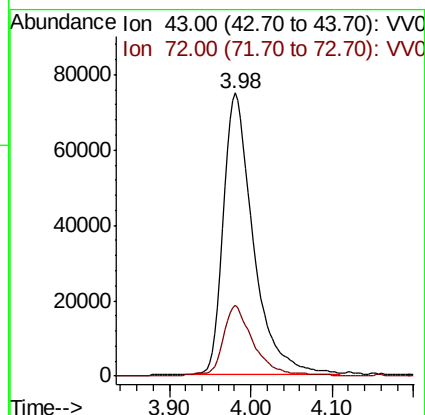
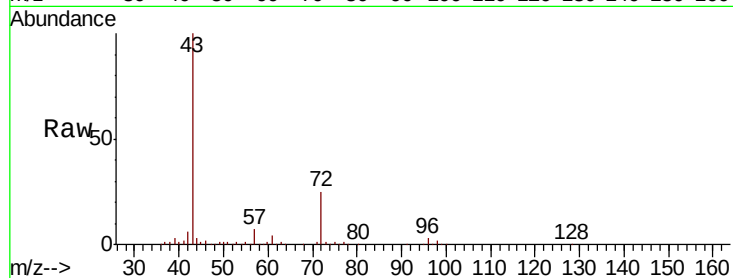




#22
2-Butanone
Concen: 100.861 ug/L
RT: 3.98 min Scan# 899
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

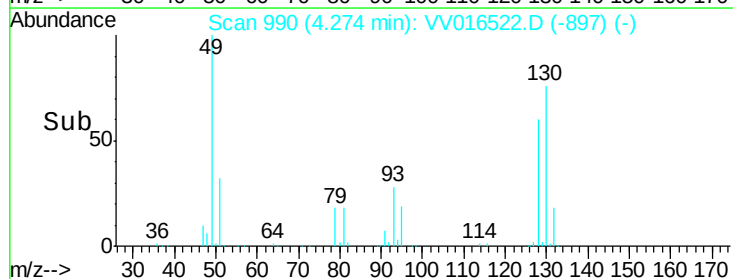
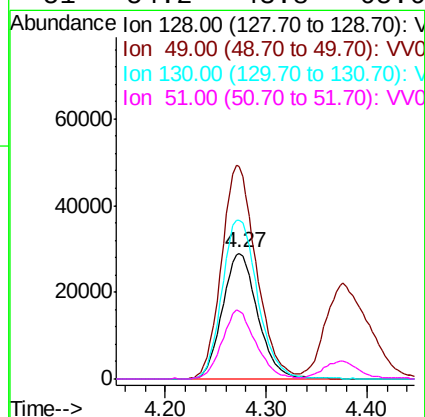
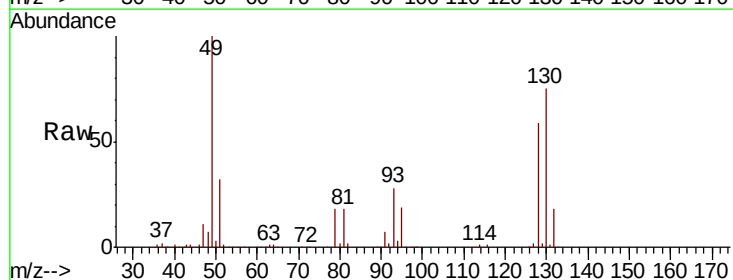
Instrument :
MSVOA_V
ClientSampleId :

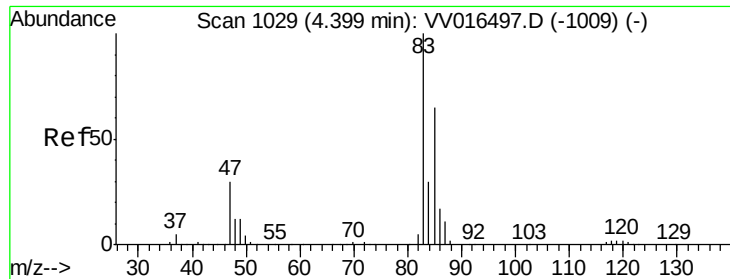
Tot Ion: 43 Resp: 194150
Ion Ratio Lower Upper
43 100
72 23.1 12.8 38.3



#23
Bromochloromethane
Concen: 49.530 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

Tgt Ion:128 Resp: 70613
Ion Ratio Lower Upper
128 100
49 168.9 121.7 225.9
130 126.3 90.1 167.3
51 54.2 43.8 65.6

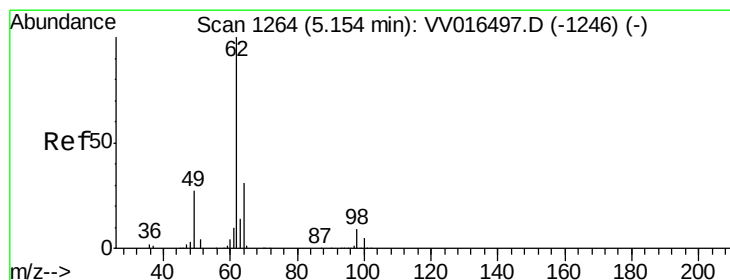
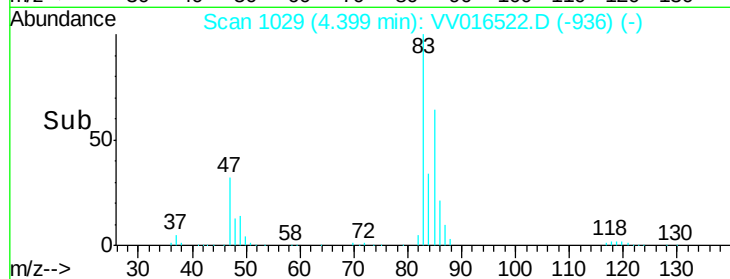
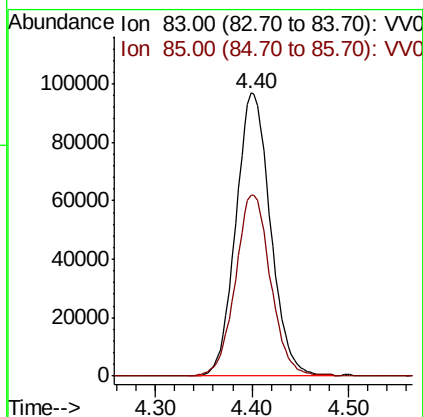
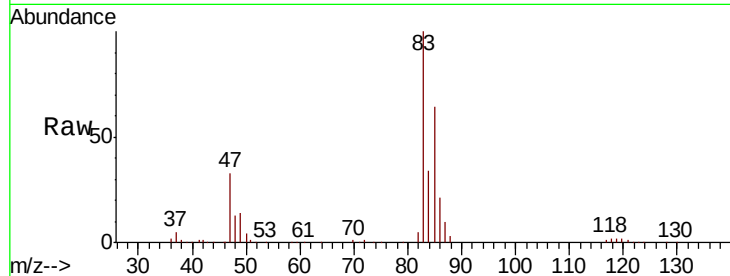




#25
Chloroform
Concen: 48.428 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

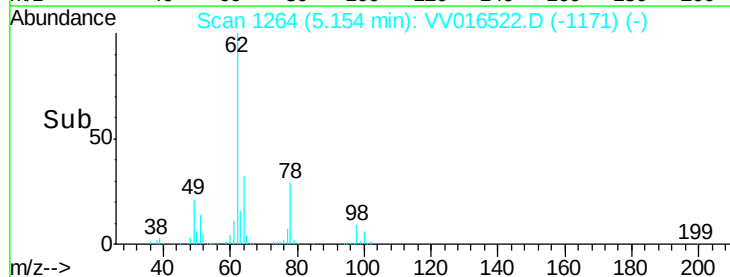
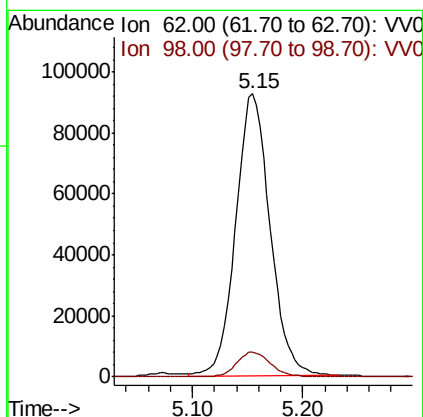
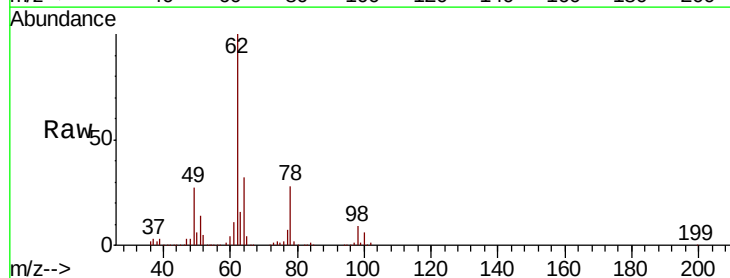
Instrument :
MSVOA_V
ClientSampled :

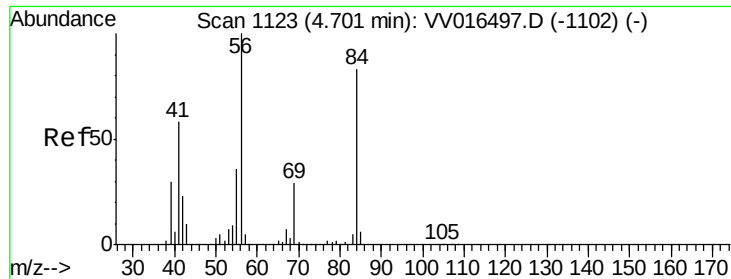
Tot Ion: 83 Resp: 240992
Ion Ratio Lower Upper
83 100
85 64.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 49.353 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

Tgt Ion: 62 Resp: 199557
Ion Ratio Lower Upper
62 100
98 8.8 6.9 10.3

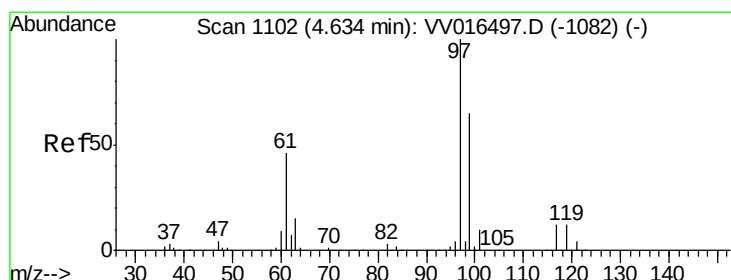
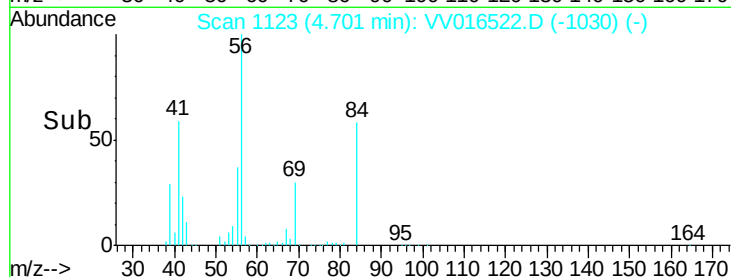
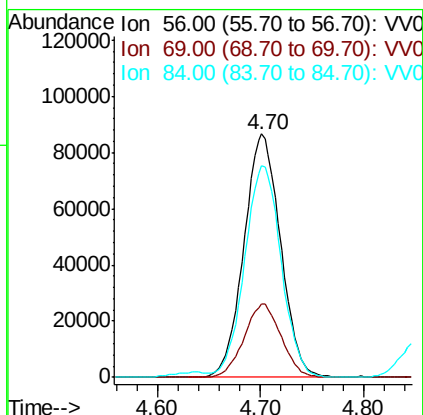
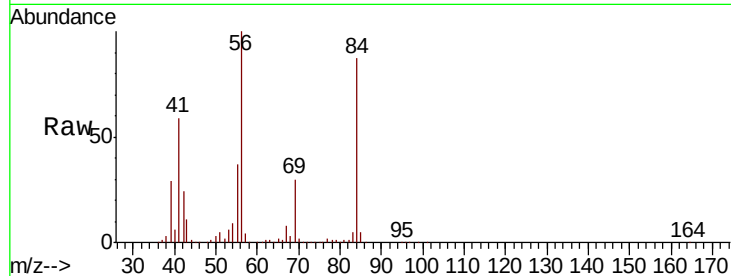




#29
Cyclohexane
Concen: 51.249 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

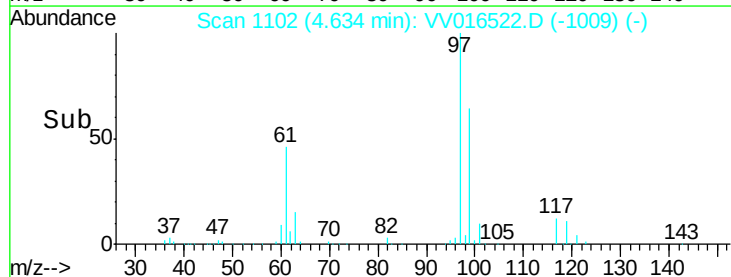
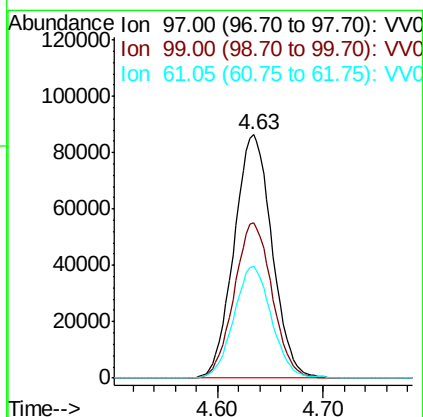
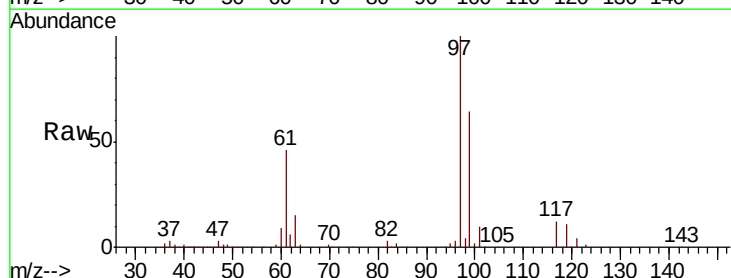
Instrument :
MSVOA_V
ClientSampled :

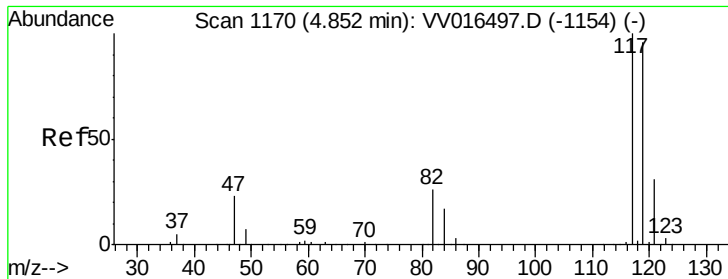
Tot Ion: 56 Resp: 213553
Ion Ratio Lower Upper
56 100
69 30.5 23.9 35.9
84 86.2 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 50.519 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

Tgt Ion: 97 Resp: 216158
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.8
61 45.1 37.4 56.0



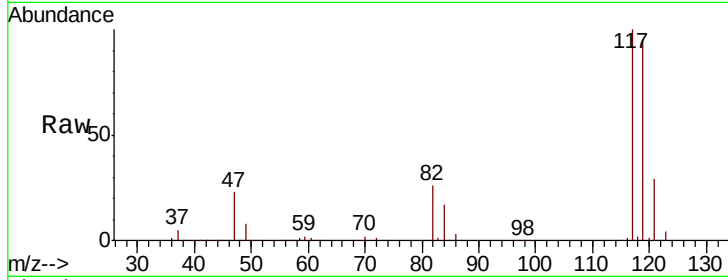


#31

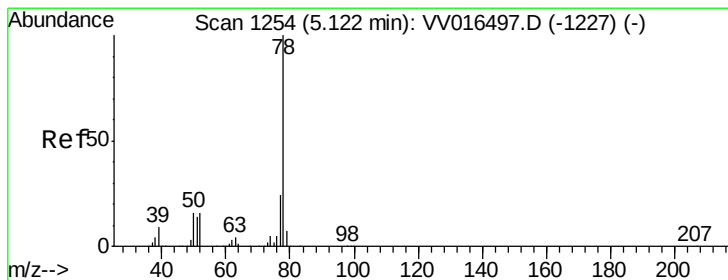
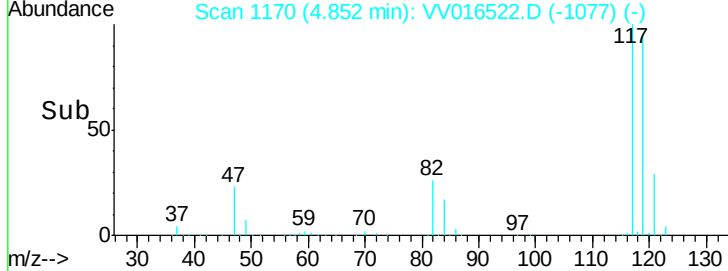
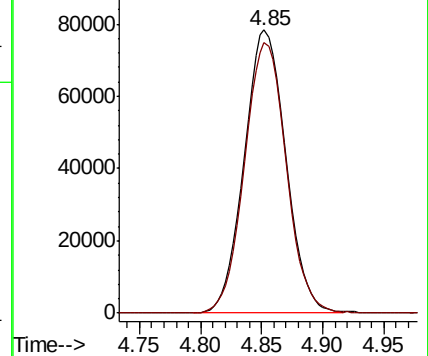
Carbon tetrachloride
Concen: 50.236 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 184863
Ion Ratio Lower Upper
117 100
119 95.8 77.8 116.6



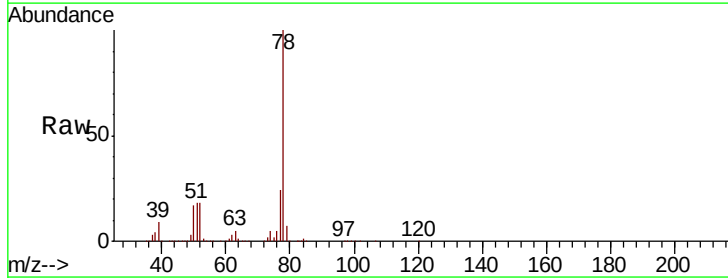
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



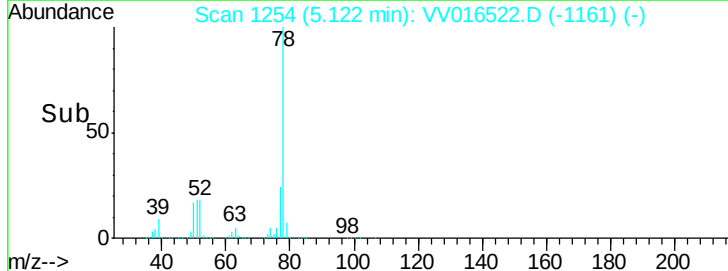
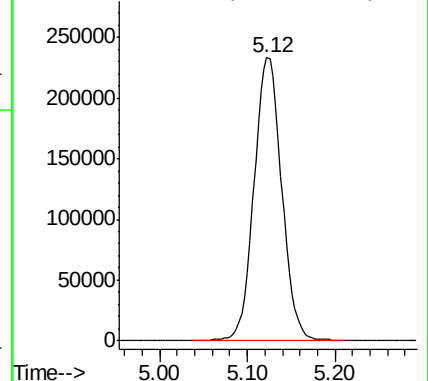
#33

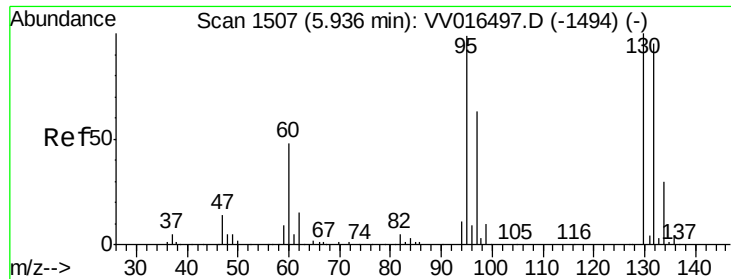
Benzene
Concen: 49.738 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

Tgt Ion: 78 Resp: 513577



Abundance Ion 78.00 (77.70 to 78.70): VV0

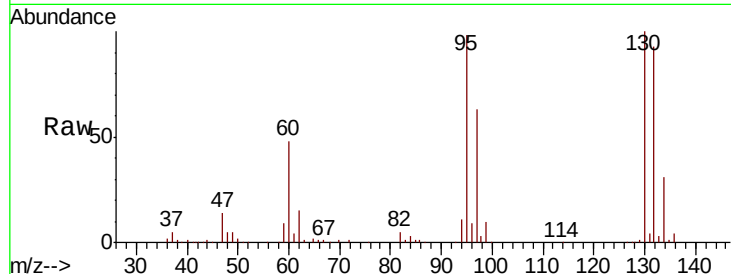




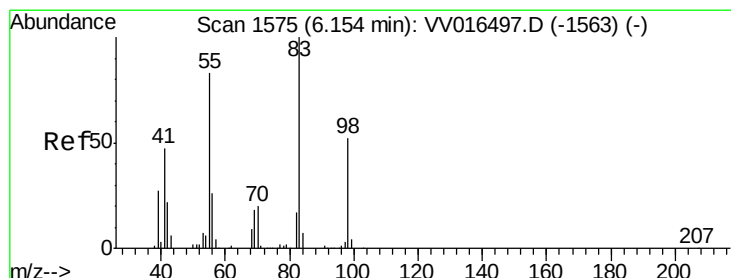
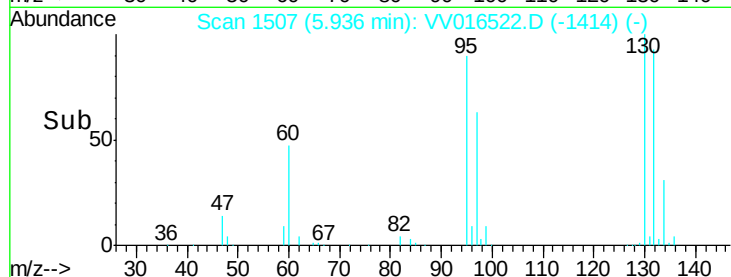
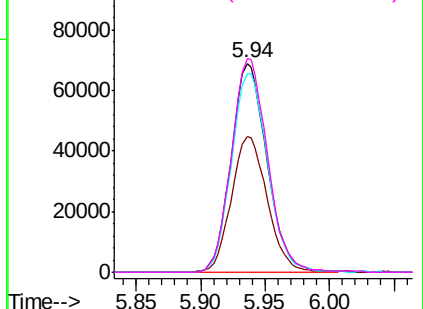
#34
 Trichloroethene
 Concen: 49.171 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016522.D
 Acq: 04 Jun 2020 20:48

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 133221
 Ion Ratio Lower Upper
 95 100
 97 64.6 42.8 79.6
 132 95.0 65.6 121.8
 130 102.1 69.0 128.1

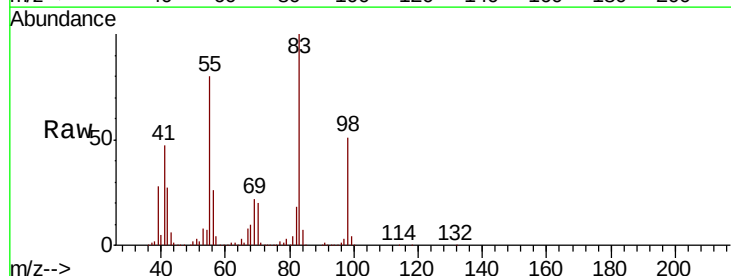


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

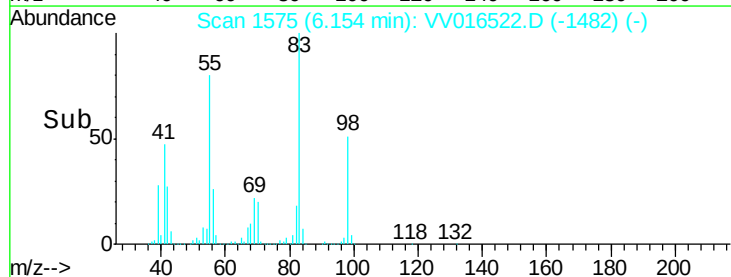
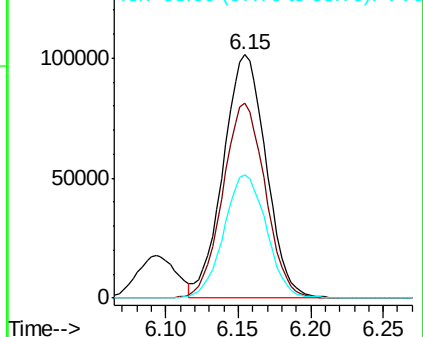


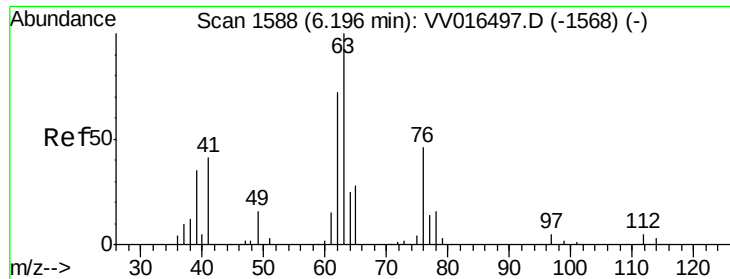
#35
 Methylcyclohexane
 Concen: 53.408 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016522.D
 Acq: 04 Jun 2020 20:48

Tgt Ion: 83 Resp: 207702
 Ion Ratio Lower Upper
 83 100
 55 79.4 63.4 95.0
 98 50.7 39.4 59.0



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

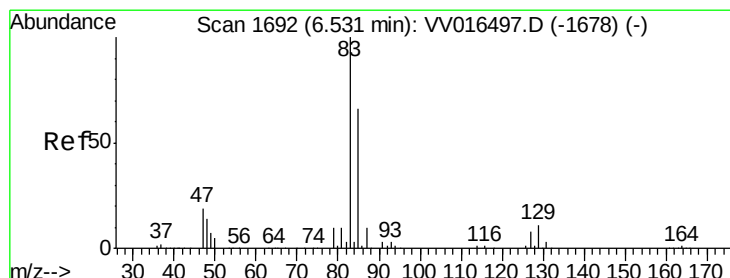
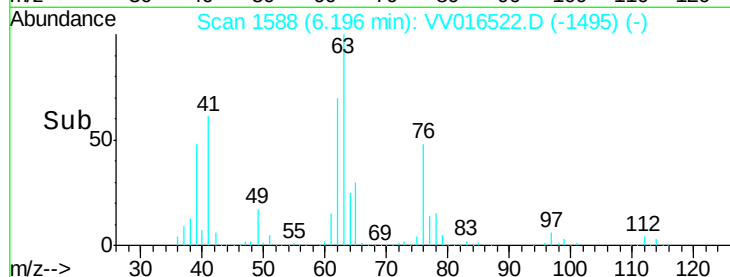
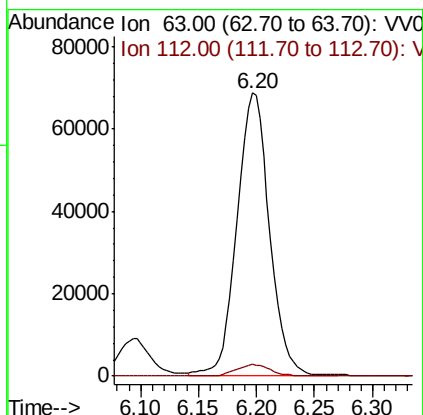
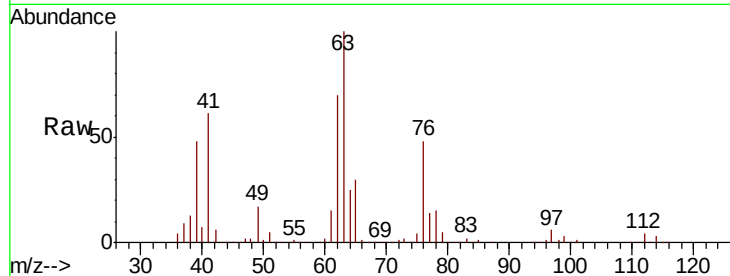




#37
 1,2-Dichloropropane
 Concen: 49.590 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016522.D
 Acq: 04 Jun 2020 20:48

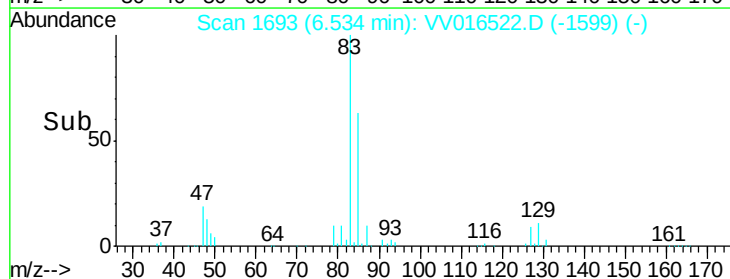
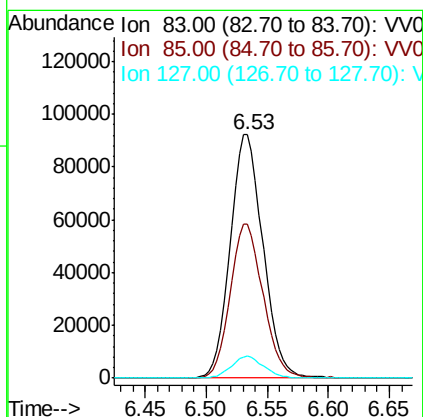
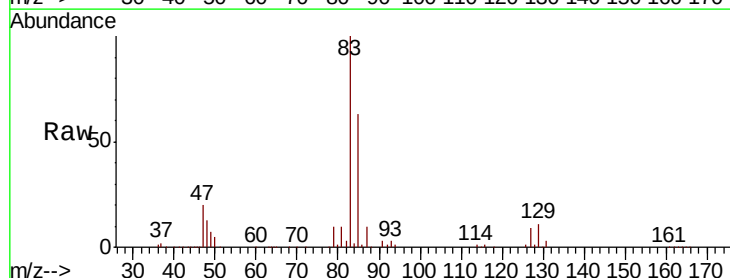
Instrument :
 MSVOA_V
 ClientSampleId :

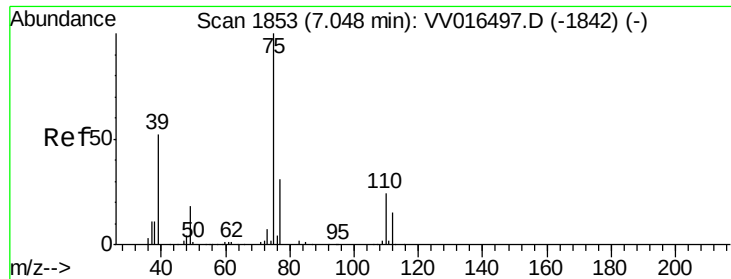
Tot Ion: 63 Resp: 133465
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.9 5.9



#38
 Bromodichloromethane
 Concen: 49.835 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016522.D
 Acq: 04 Jun 2020 20:48

Tgt Ion: 83 Resp: 172332
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.4 82.5
 127 9.0 7.1 10.7

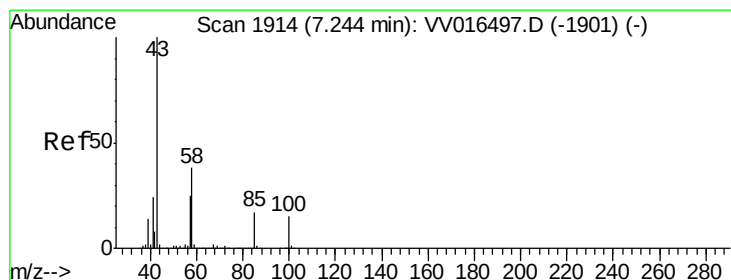
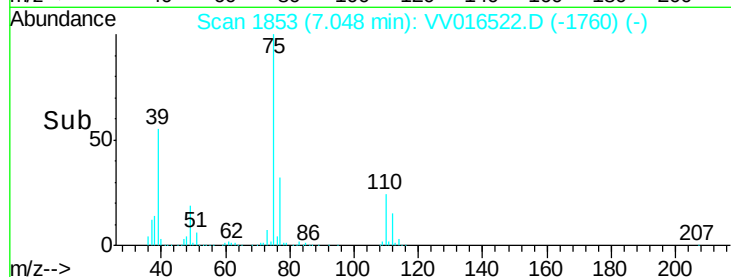
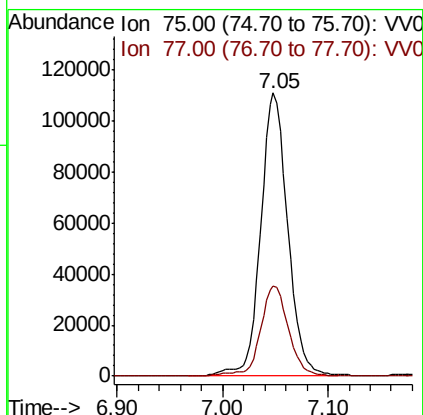
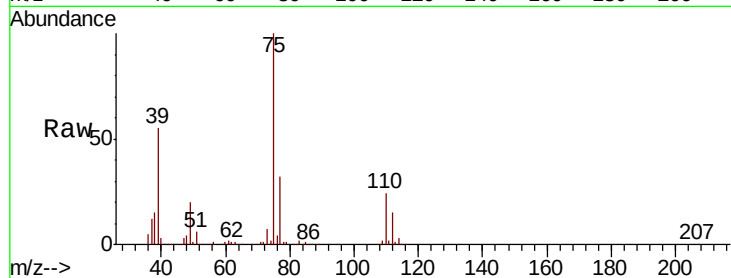




#39
 cis-1,3-Dichloropropene
 Concen: 50.780 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016522.D
 Acq: 04 Jun 2020 20:48

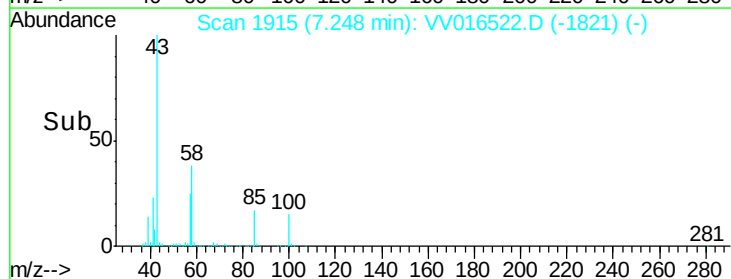
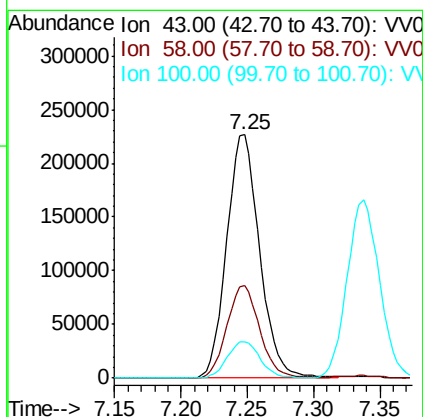
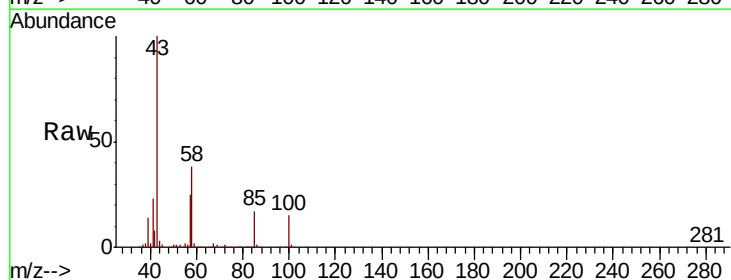
Instrument :
 MSVOA_V
 ClientSampleId :

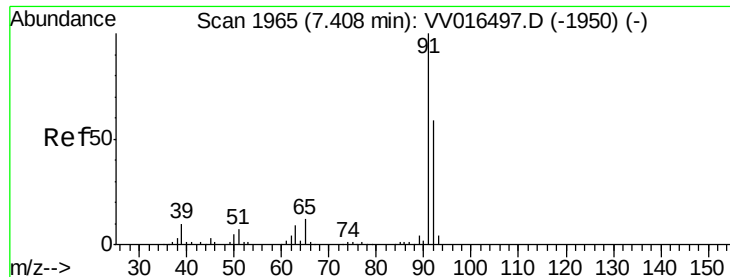
Tot Ion: 75 Resp: 199267
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 105.412 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV016522.D
 Acq: 04 Jun 2020 20:48

Tgt Ion: 43 Resp: 390364
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.9 44.9
 100 15.0 11.9 17.9





#42

Toluene

Concen: 50.053 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

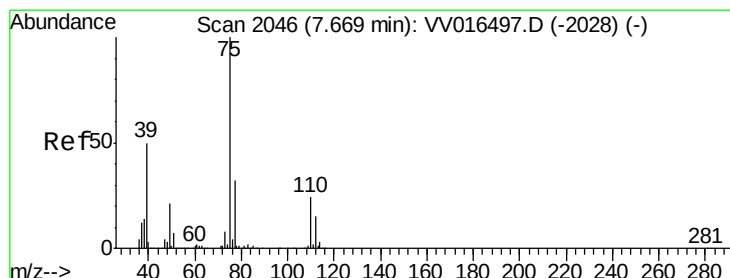
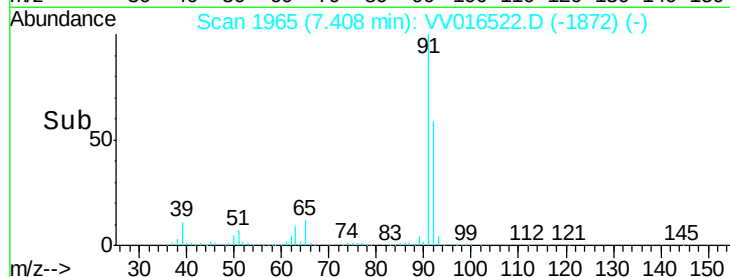
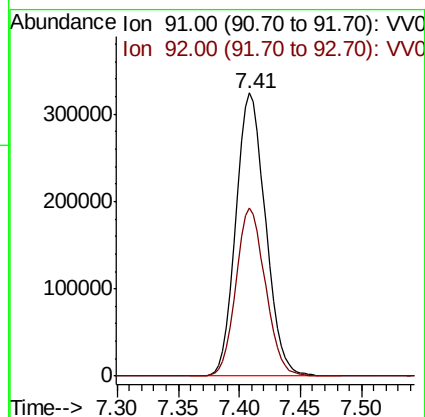
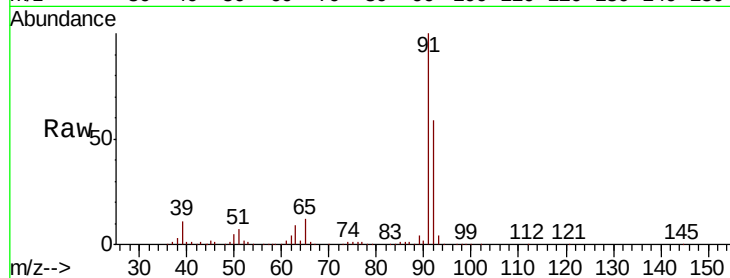
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 547647

Ion Ratio Lower Upper

91 100

92 59.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 51.287 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016522.D

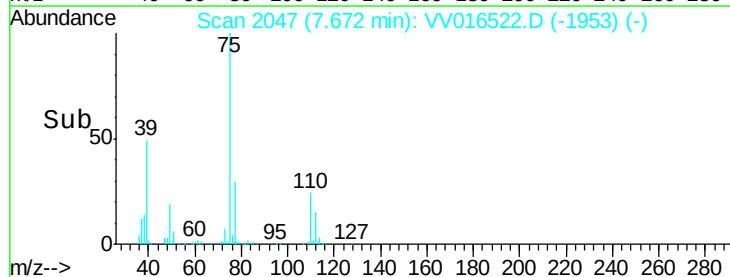
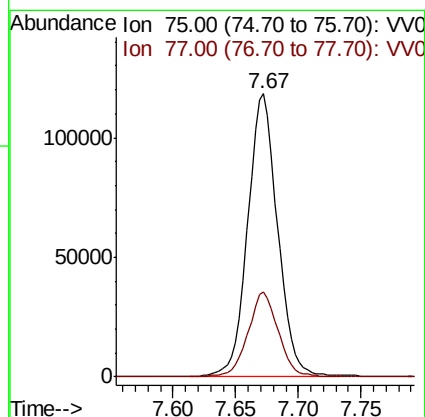
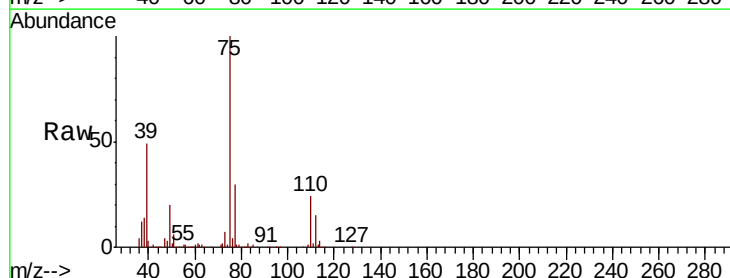
Acq: 04 Jun 2020 20:48

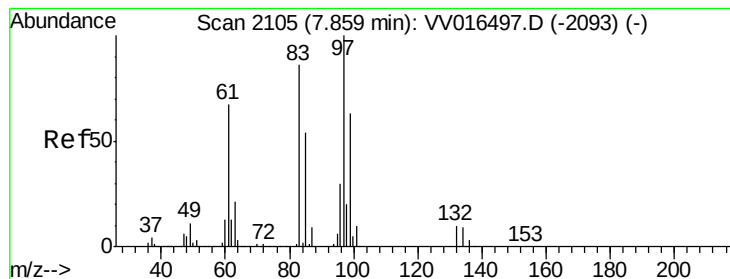
Tgt Ion: 75 Resp: 197462

Ion Ratio Lower Upper

75 100

77 29.9 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 49.748 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 129465

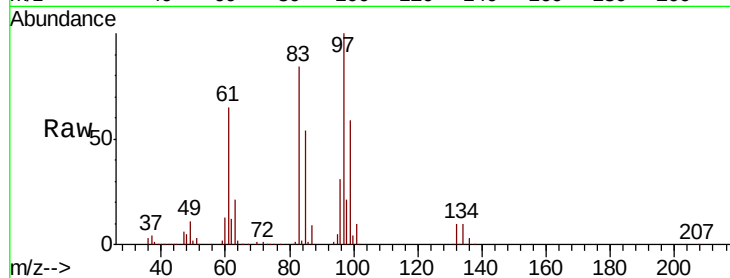
Ion Ratio Lower Upper

97 100

99 59.4 42.9 79.7

83 83.9 59.3 110.1

85 53.5 37.5 69.7



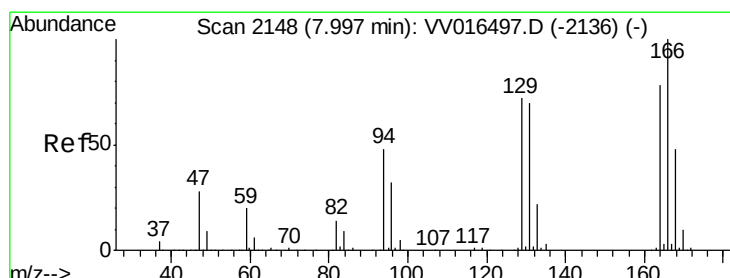
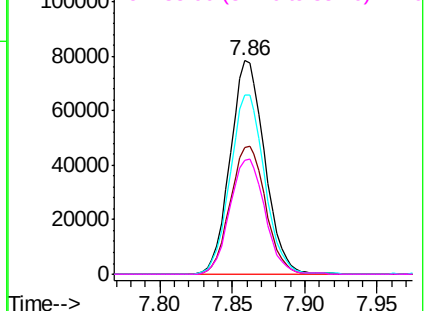
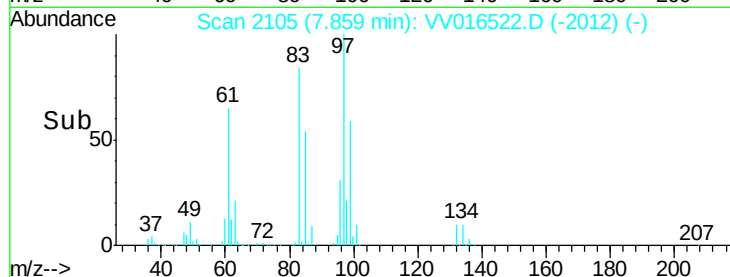
Abundance

Ion 97.00 (96.70 to 97.70): VV016522.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV016522.D (-2012) (-)

Ion 83.00 (82.70 to 83.70): VV016522.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV016522.D (-2012) (-)



#46

Tetrachloroethene

Concen: 50.140 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Tgt Ion: 164 Resp: 104742

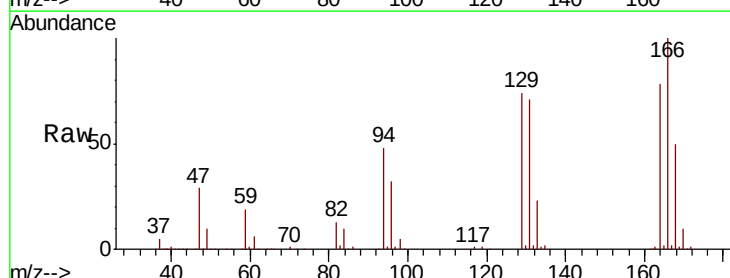
Ion Ratio Lower Upper

164 100

129 94.7 67.7 125.7

131 90.7 63.8 118.6

166 127.4 88.7 164.7



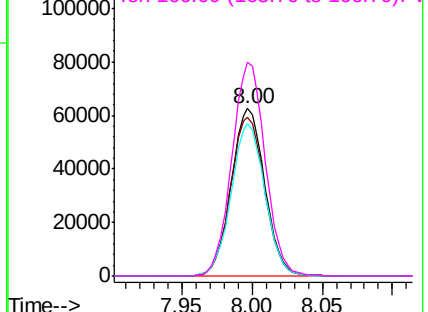
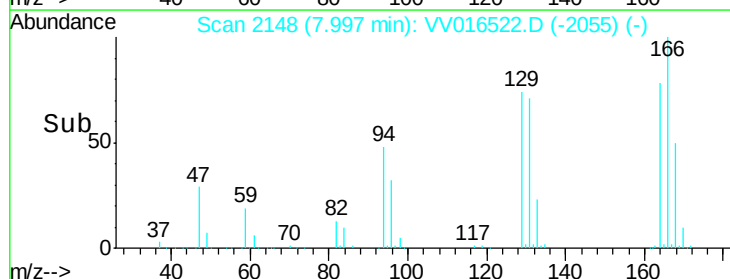
Abundance

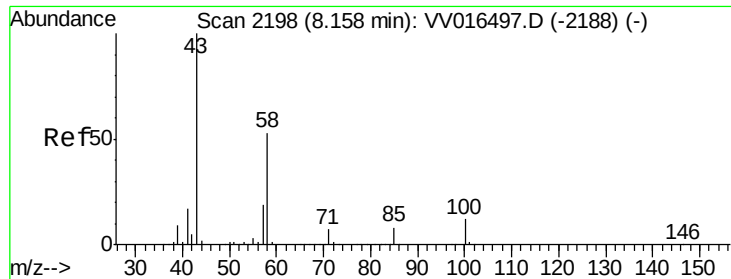
Ion 164.00 (163.70 to 164.70): VV016522.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV016522.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV016522.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV016522.D (-2055) (-)

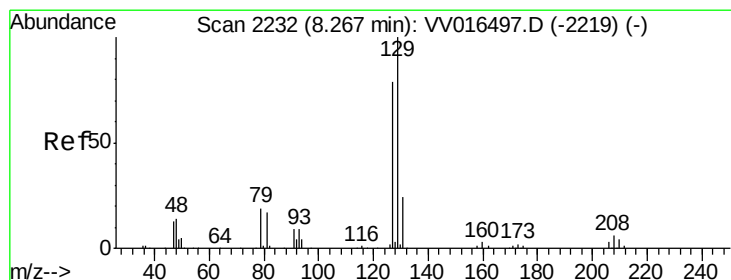
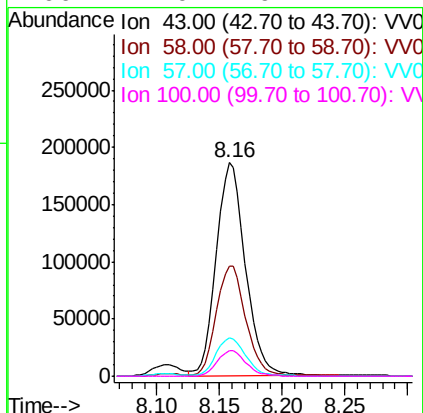
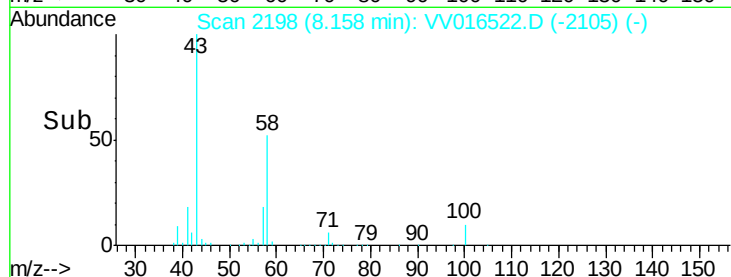
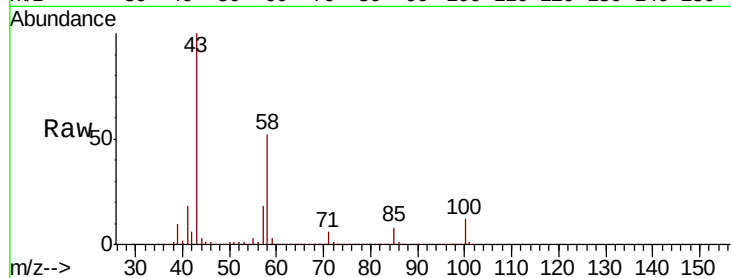




#48
2-Hexanone
Concen: 104.311 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

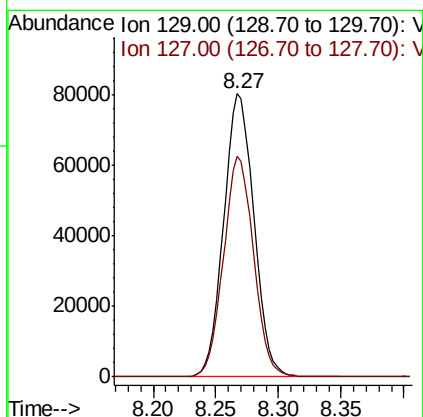
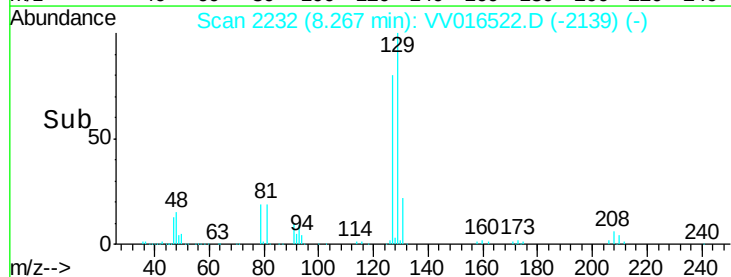
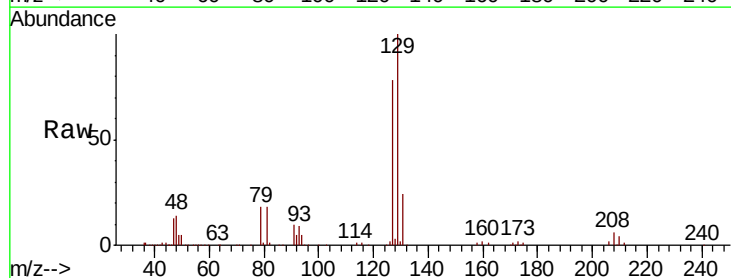
Instrument :
MSVOA_V
ClientSampleId :

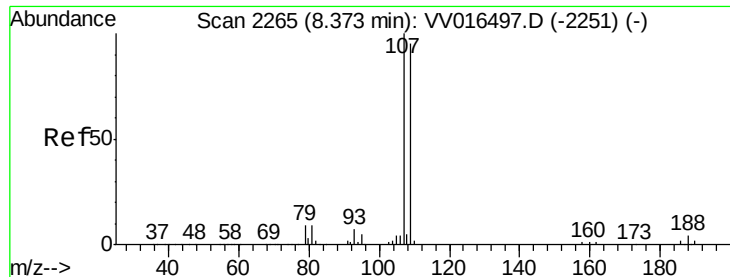
Tot Ion: 43 Resp: 300312
Ion Ratio Lower Upper
43 100
58 52.4 42.7 64.1
57 17.8 14.5 21.7
100 12.0 9.4 14.2



#49
Dibromochloromethane
Concen: 53.108 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

Tgt Ion: 129 Resp: 134363
Ion Ratio Lower Upper
129 100
127 78.0 54.6 101.4

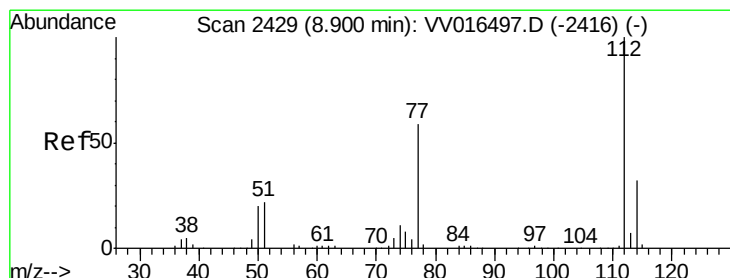
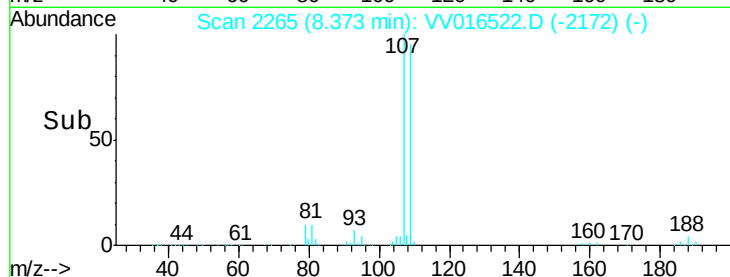
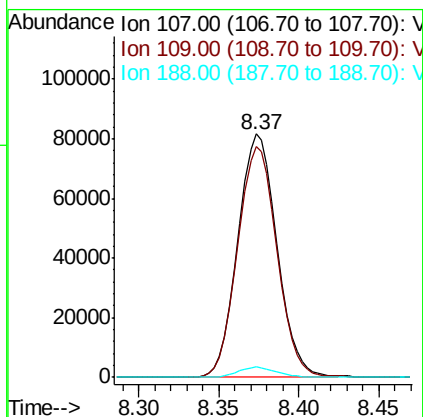
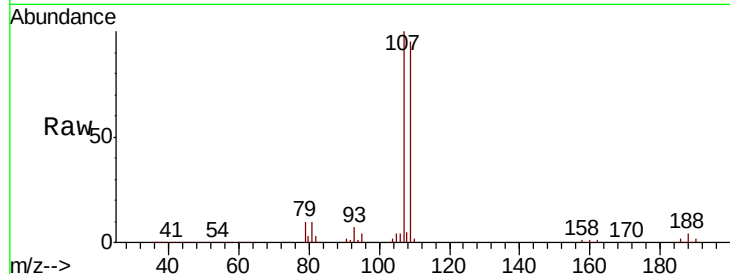




#50
1,2-Dibromoethane
Concen: 49.474 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

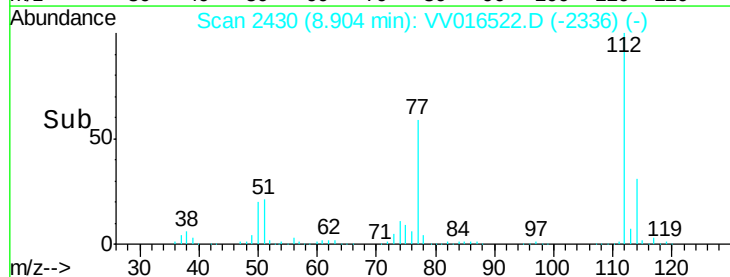
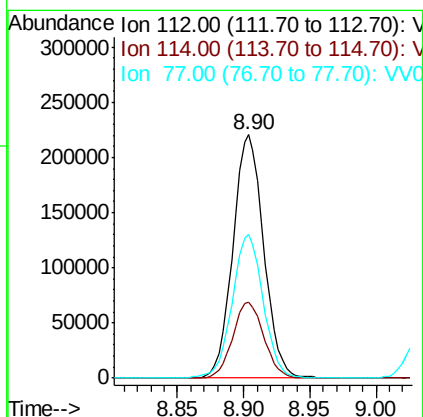
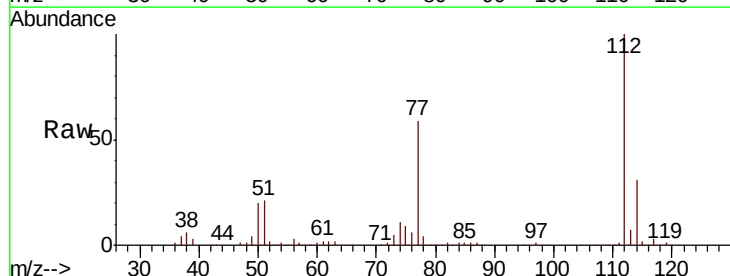
Instrument :
MSVOA_V
ClientSampleId :

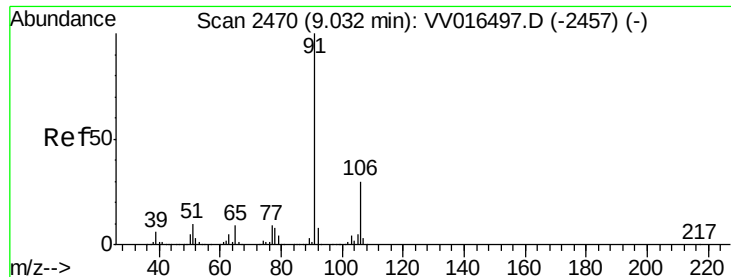
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	65.9	122.3
188	4.2	2.8	4.2



#51
Chlorobenzene
Concen: 49.469 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016522.D
Acq: 04 Jun 2020 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.7	42.1
77	58.9	47.4	71.2





#52

Ethylbenzene

Concen: 50.867 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

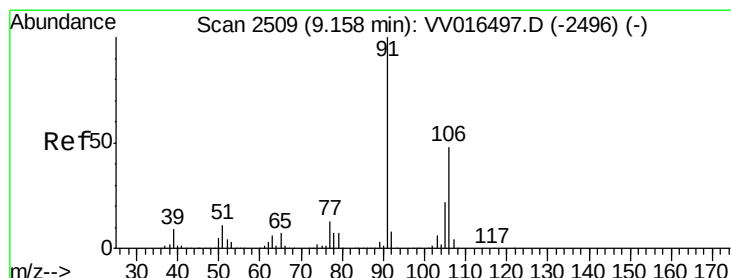
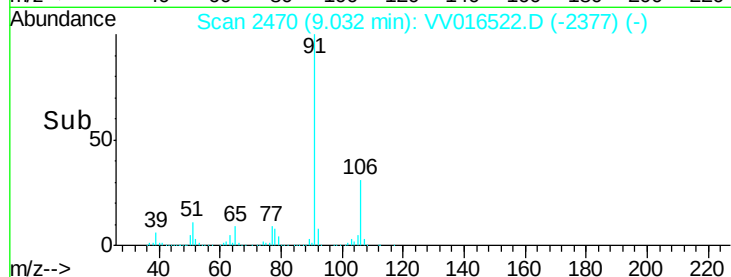
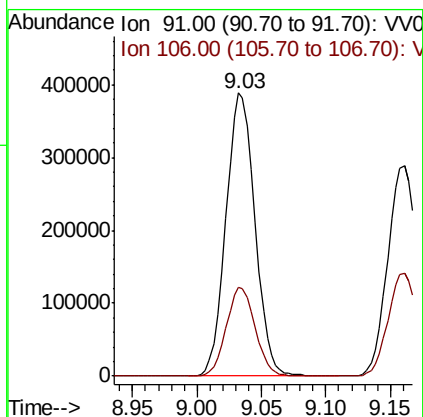
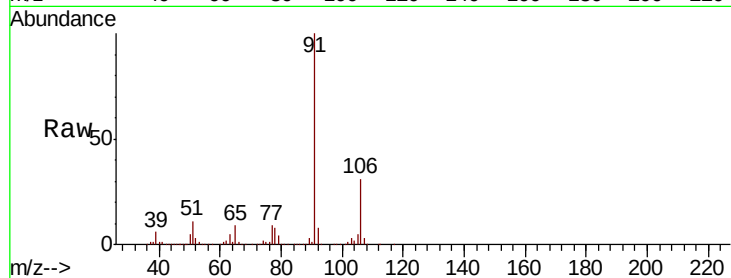
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 605748

Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.4



#53

m,p-Xylene

Concen: 50.987 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016522.D

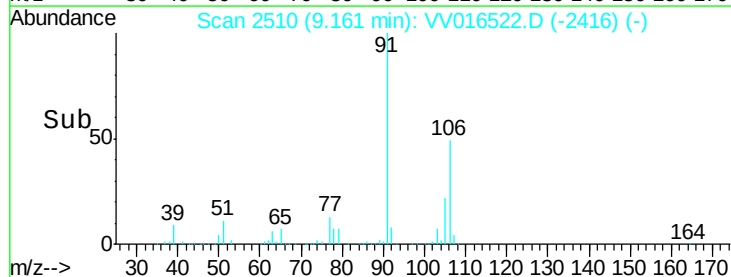
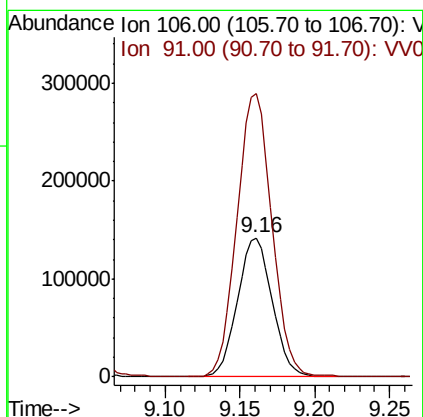
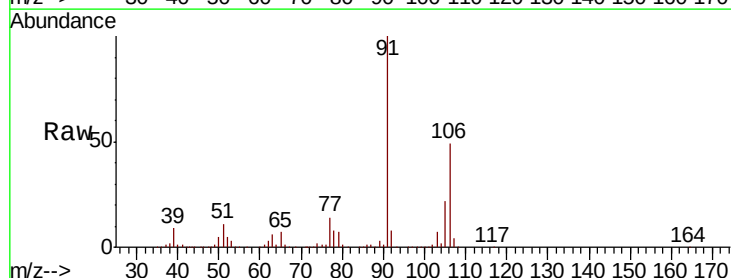
Acq: 04 Jun 2020 20:48

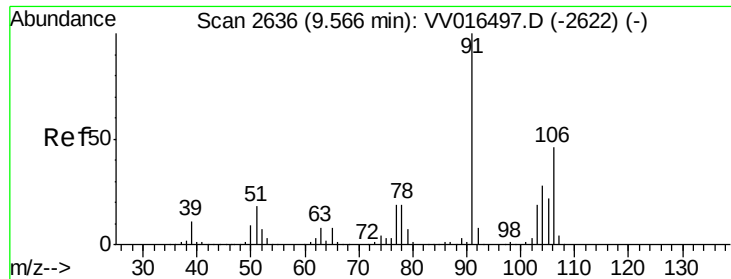
Tgt Ion: 106 Resp: 228947

Ion Ratio Lower Upper

106 100

91 203.7 142.5 264.6





#54

o-xylene

Concen: 52.340 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

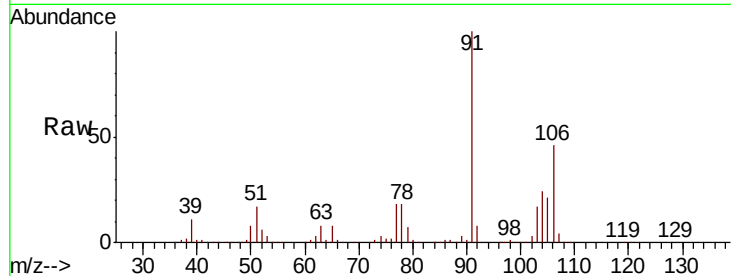
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 227615

Ion Ratio Lower Upper

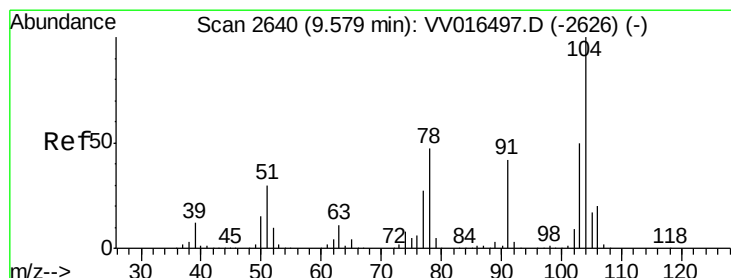
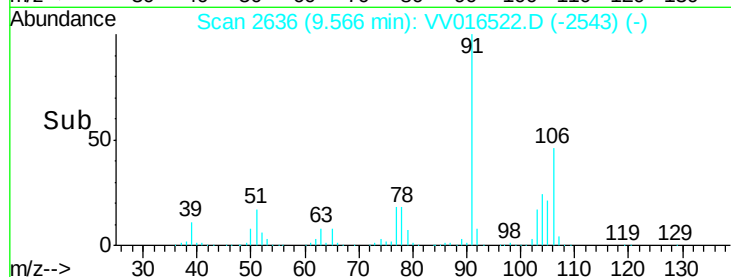
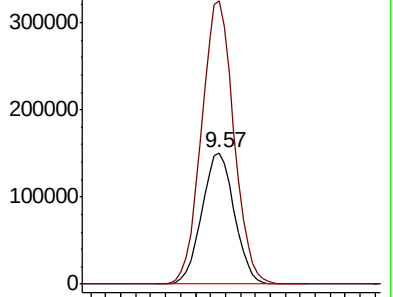
106 100

91 215.3 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.583 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016522.D

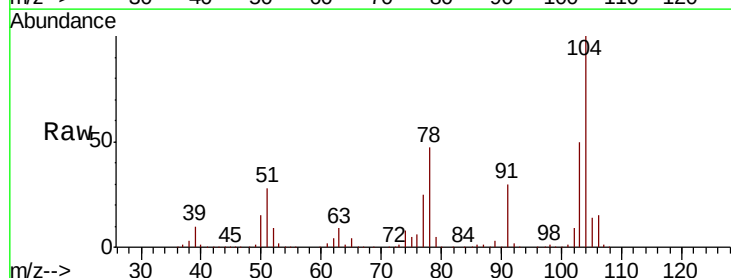
Acq: 04 Jun 2020 20:48

Tgt Ion:104 Resp: 392980

Ion Ratio Lower Upper

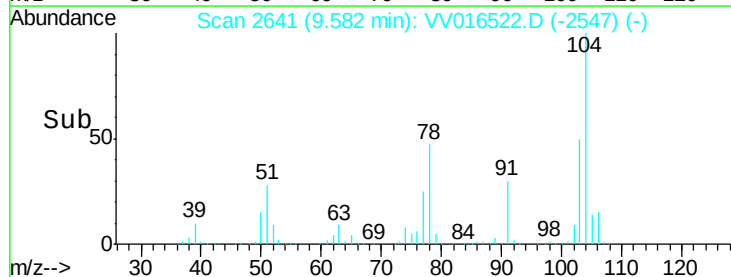
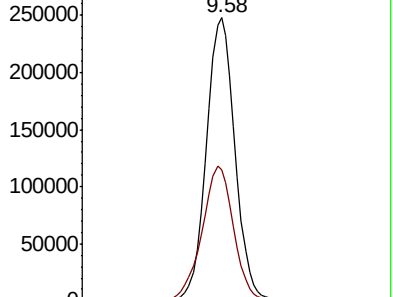
104 100

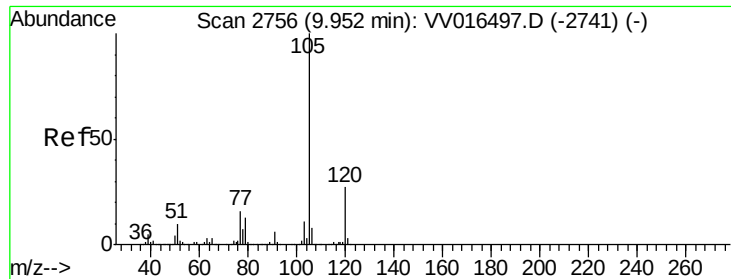
78 46.5 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.490 ug/L

RT: 9.95 min Scan# 2756

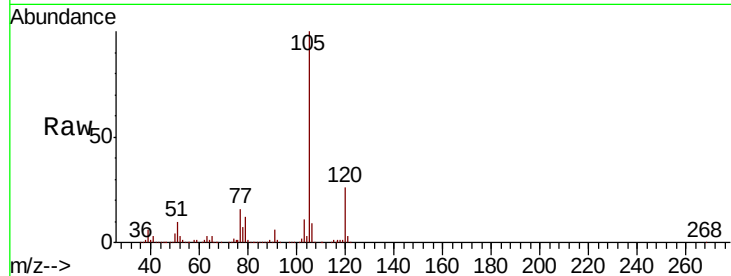
Delta R.T. 0.00 min

Lab File: VV016522.D

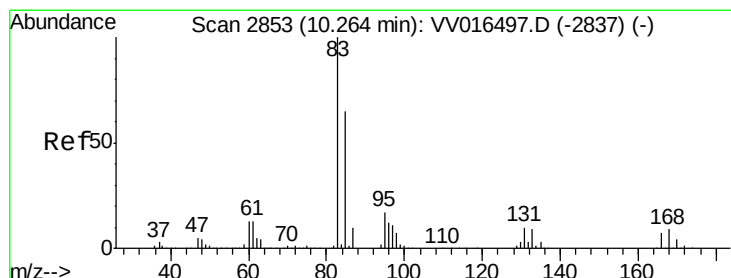
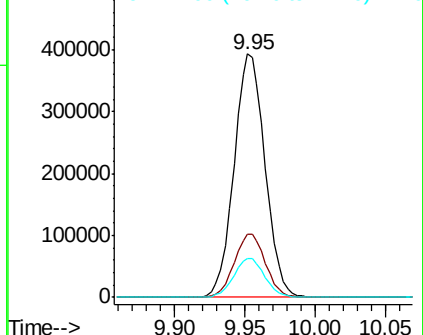
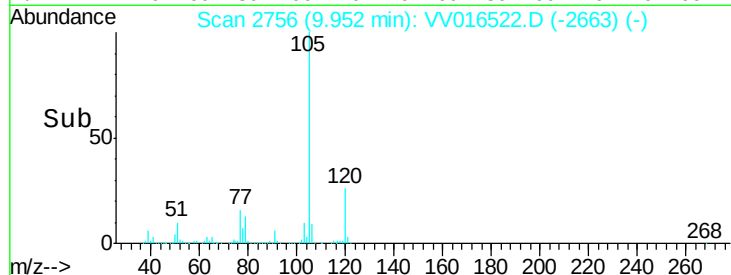
Acq: 04 Jun 2020 20:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	604225
Ion	Ratio	Lower	Upper
105	100		
120	26.0	21.0	31.6
77	16.1	13.0	19.4



Abundance Ion 105.00 (104.70 to 105.70): VV016522.D (-2663) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 49.977 ug/L

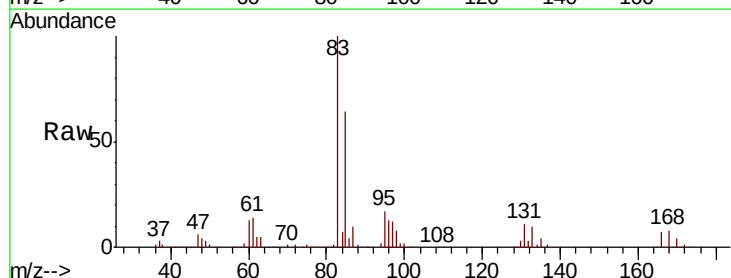
RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

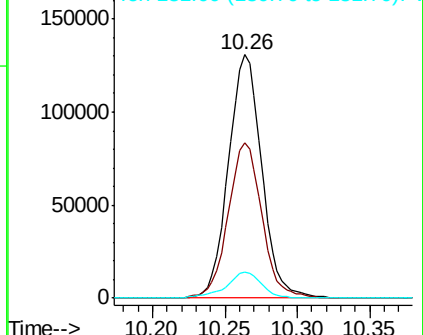
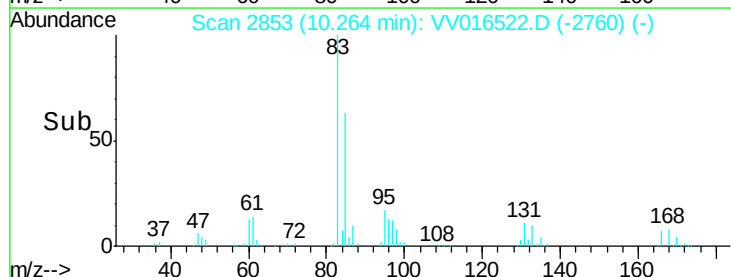
Lab File: VV016522.D

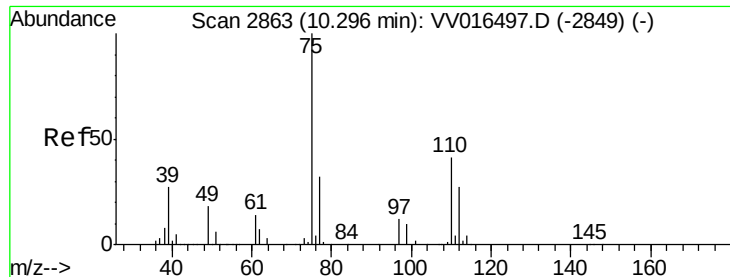
Acq: 04 Jun 2020 20:48

Tgt Ion:	83	Resp:	208637
Ion	Ratio	Lower	Upper
83	100		
85	63.7	44.0	81.6
131	10.7	7.6	11.4



Abundance Ion 83.00 (82.70 to 83.70): VV016522.D (-2760) (-)





#59

1,2,3-Trichloropropane

Concen: 49.809 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Instrument :

MSVOA_V

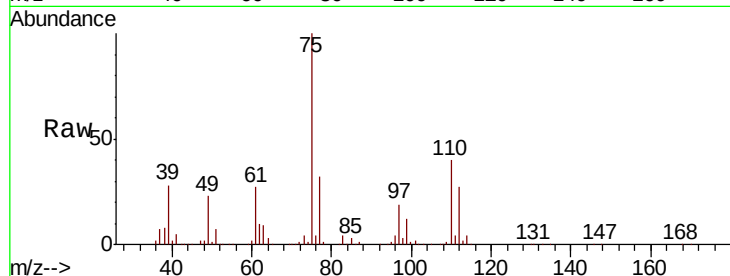
ClientSampled :

Tot Ion: 75 Resp: 167279

Ion Ratio Lower Upper

75 100

77 31.9 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.30

120000

100000

80000

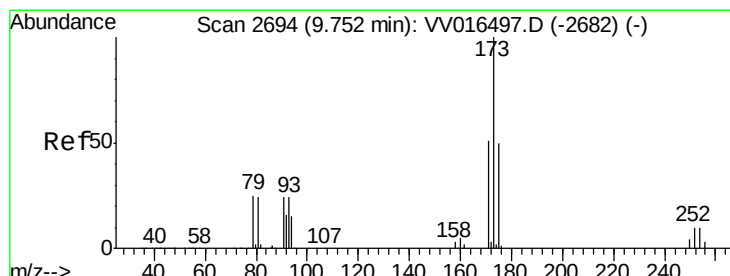
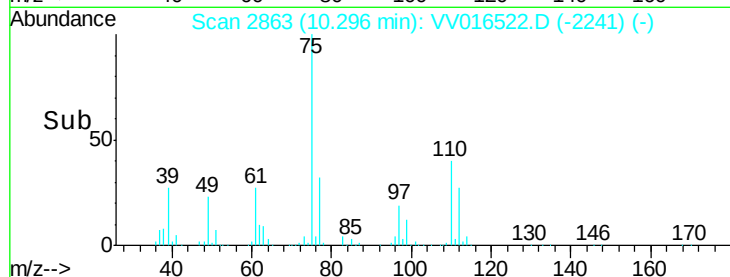
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 59.092 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

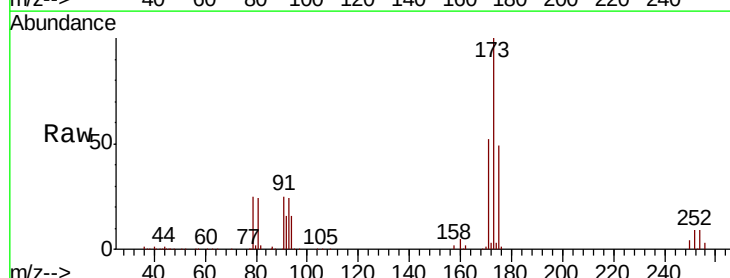
Tgt Ion: 173 Resp: 91125

Ion Ratio Lower Upper

173 100

175 48.0 38.8 58.2

254 9.3 7.9 11.9



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

9.75

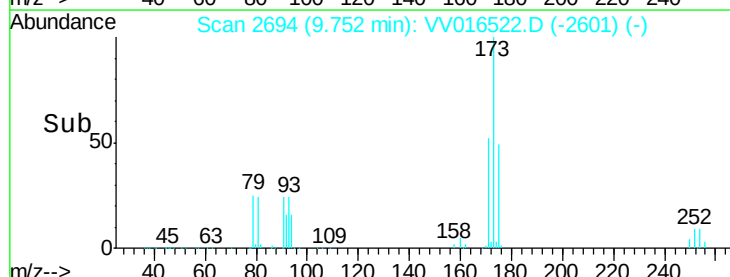
60000

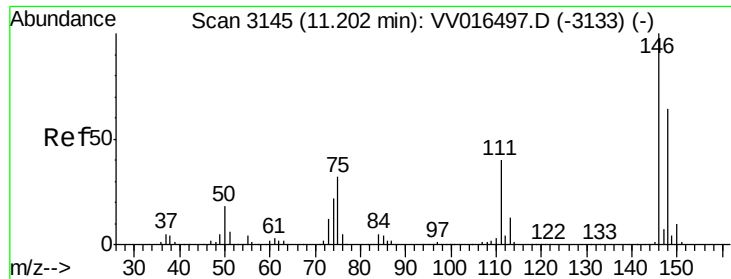
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 50.176 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampled :

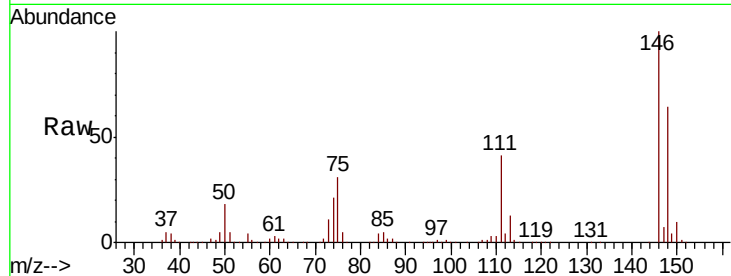
Tot Ion:146 Resp: 286314

Ion Ratio Lower Upper

146 100

111 40.7 29.8 55.3

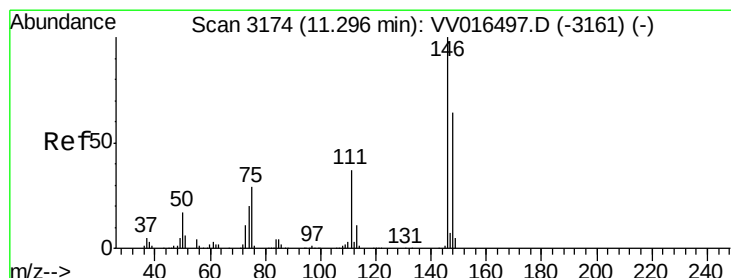
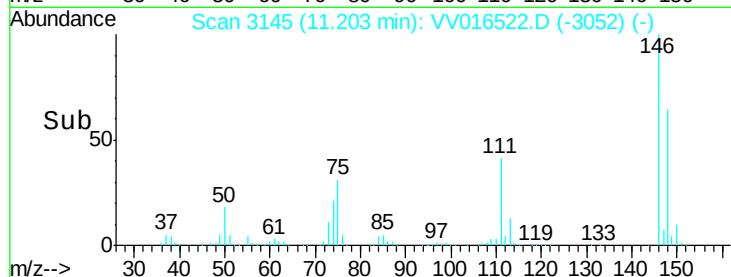
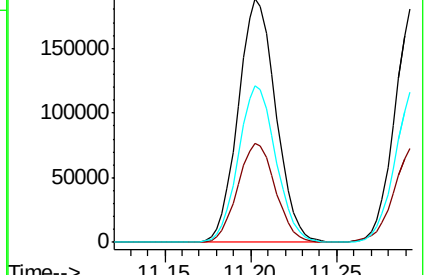
148 64.3 44.0 81.8



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: 48.010 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

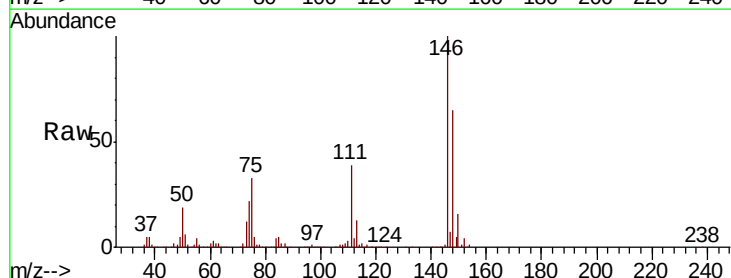
Tgt Ion:146 Resp: 284245

Ion Ratio Lower Upper

146 100

111 39.4 27.3 50.7

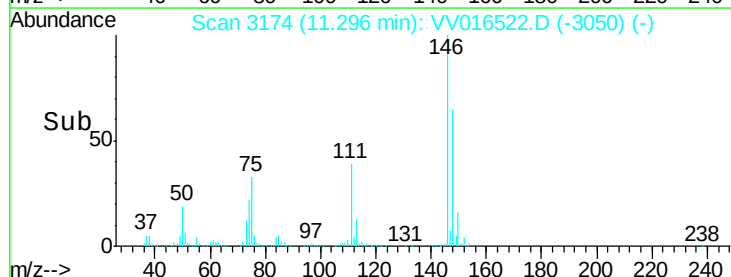
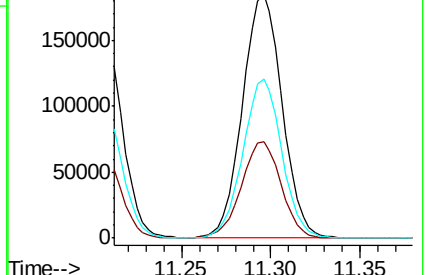
148 65.4 44.5 82.7

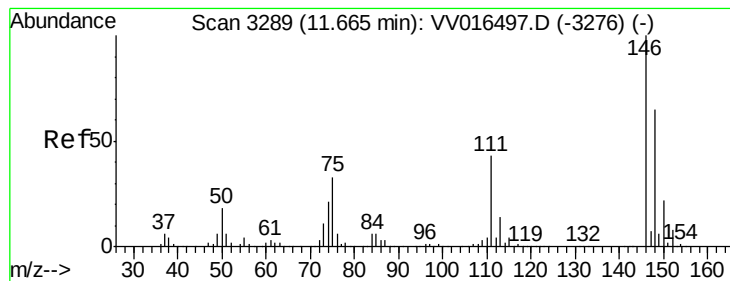


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.228 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampled :

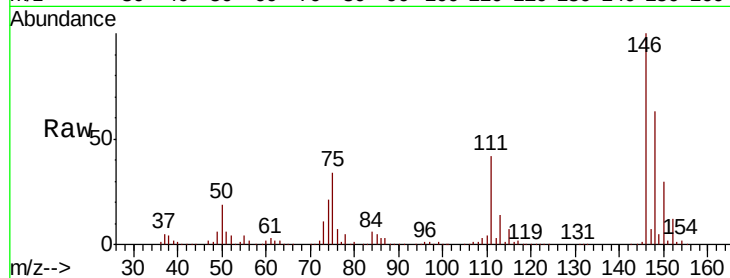
Tot Ion:146 Resp: 294224

Ion Ratio Lower Upper

146 100

111 41.7 33.6 50.4

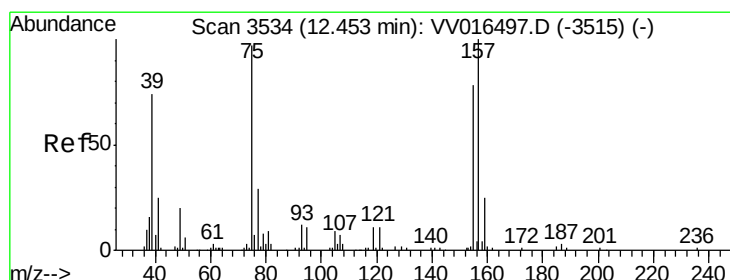
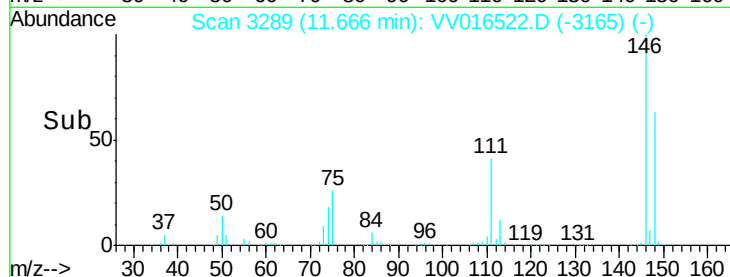
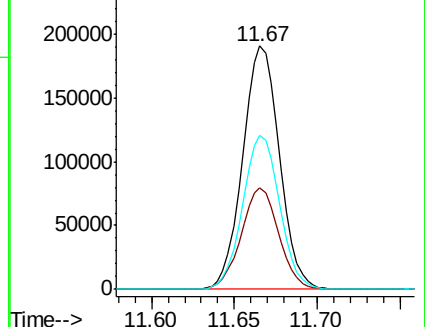
148 63.1 51.5 77.3



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: 53.549 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

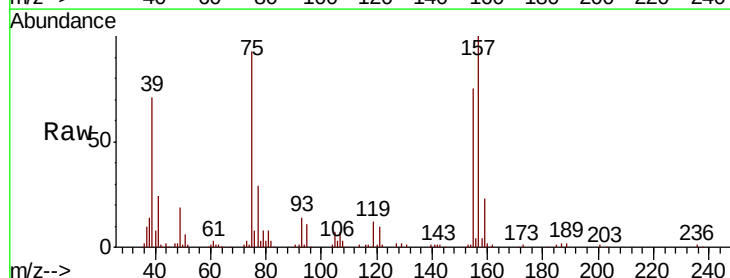
Tgt Ion: 75 Resp: 46674

Ion Ratio Lower Upper

75 100

155 80.8 66.2 99.2

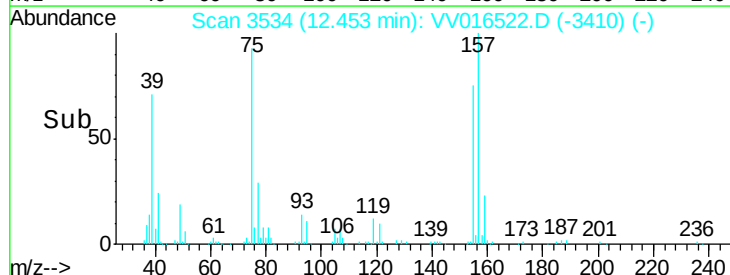
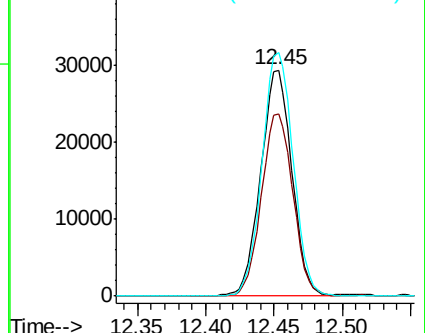
157 107.6 83.0 124.4

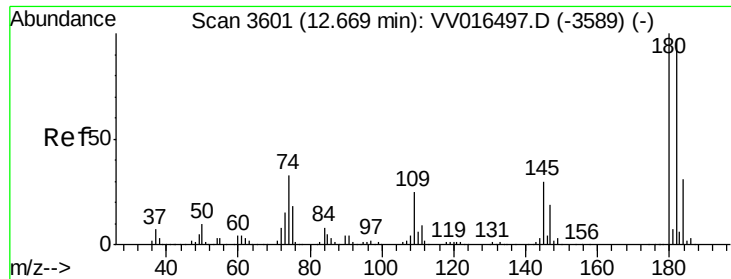


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

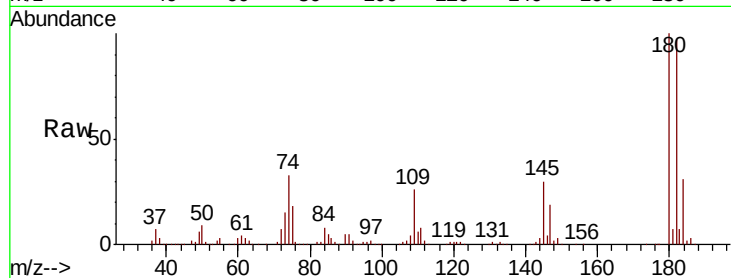




#67
 1,3,5-Trichlorobenzene
 Concen: 55.440 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016522.D
 Acq: 04 Jun 2020 20:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.8	113.8
184	30.8	24.4	36.6
145	30.2	24.2	36.2

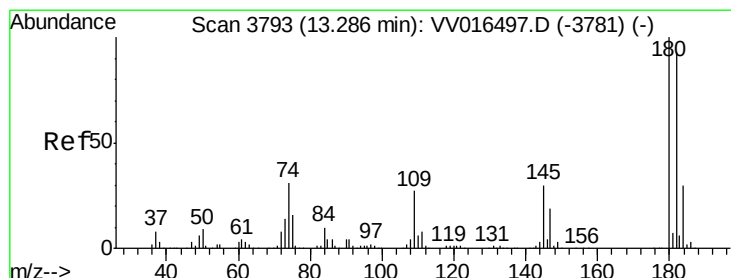
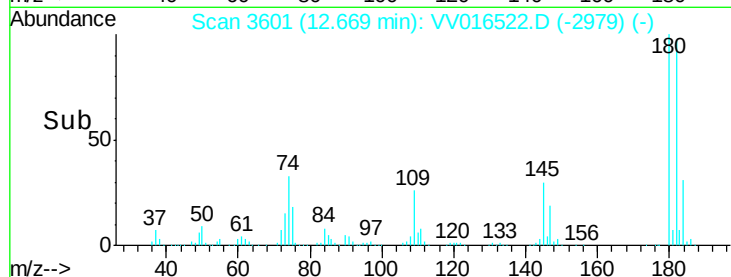
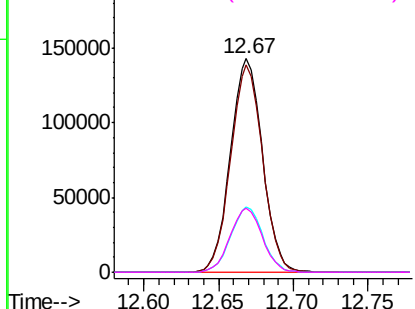


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

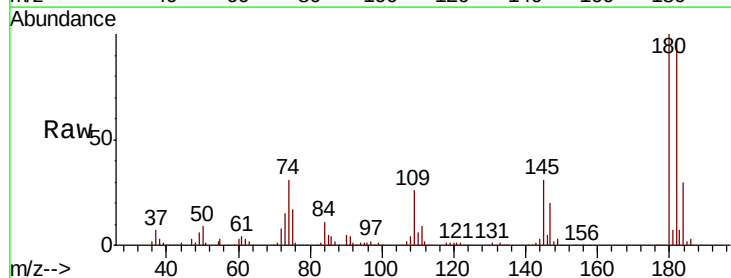
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.029 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016522.D
 Acq: 04 Jun 2020 20:48

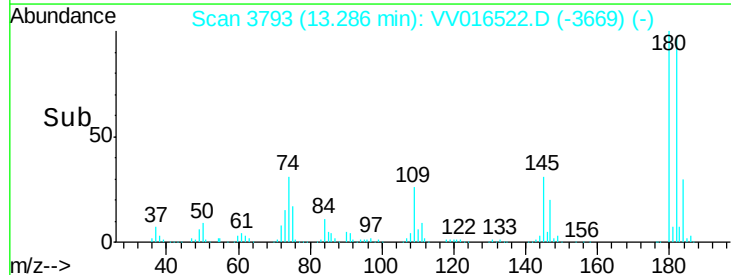
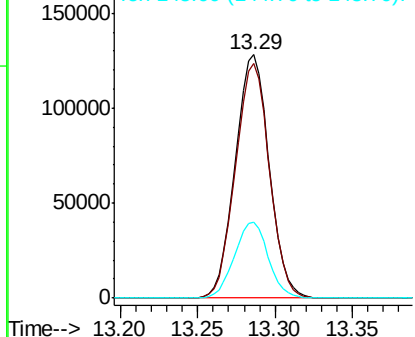
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	74.6	111.8
145	30.9	24.5	36.7

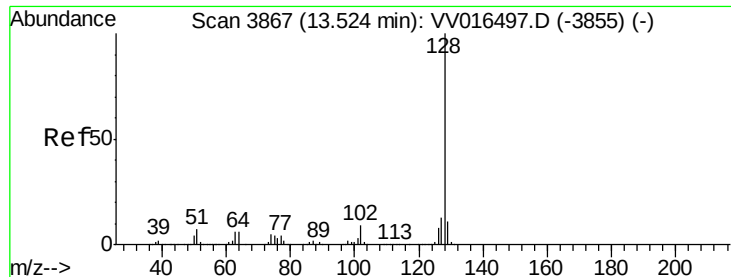


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 55.321 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

Instrument :

MSVOA_V

ClientSampleId :

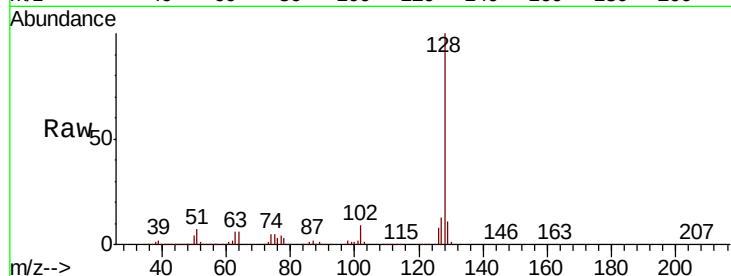
Tot Ion:128 Resp: 603481

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

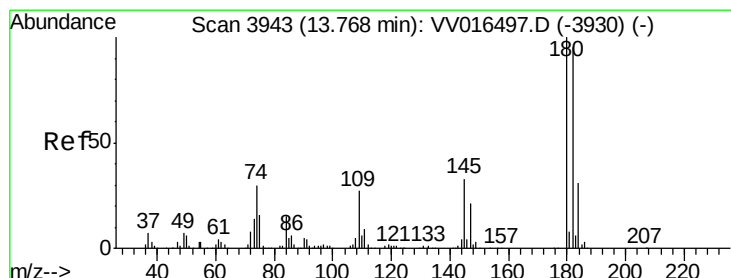
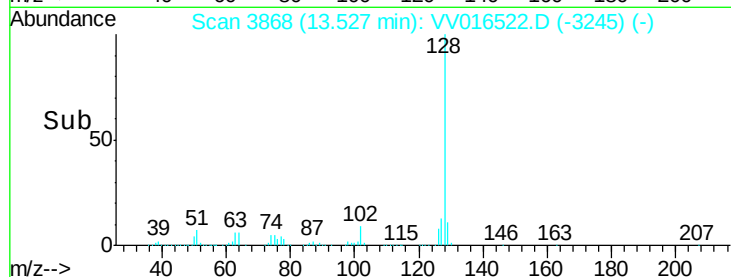
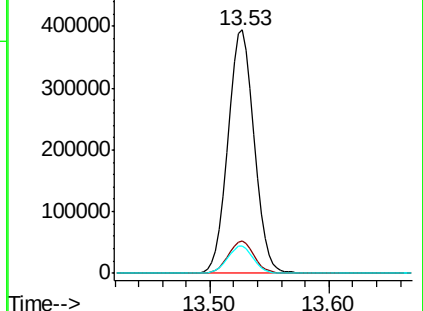
129 11.0 8.7 13.1



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: 57.830 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016522.D

Acq: 04 Jun 2020 20:48

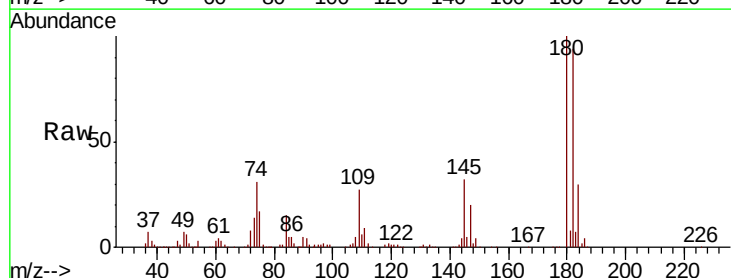
Tgt Ion:180 Resp: 195380

Ion Ratio Lower Upper

180 100

182 94.2 76.0 114.0

145 32.5 26.5 39.7



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

