

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060420\
 Data File : VV016497.D
 Acq On : 04 Jun 2020 09:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 05 01:27:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 04 16:13:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	365896	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	347506	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	180049	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	108752	41.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.92%
7) Chloroethane-d5	1.58	69	87078	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.08%
11) 1,1-Dichloroethene-d2	2.12	63	203366	44.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.54%
21) 2-Butanone-d5	3.90	46	196278	118.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.45%
24) Chloroform-d	4.37	84	255297	52.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.98%
26) 1,2-Dichloroethane-d4	5.05	65	167416	51.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.82%
32) Benzene-d6	5.07	84	485638	52.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.34%
36) 1,2-Dichloropropane-d6	6.09	67	153709	52.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.98%
41) Toluene-d8	7.34	98	456637	54.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.02%
43) trans-1,3-Dichloropropene-	7.64	79	73311	51.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.72%
47) 2-Hexanone-d5	8.10	63	146153	117.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.66%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	207348	52.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.42%
64) 1,2-Dichlorobenzene-d4	11.65	152	182490	53.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	157910	52.307	ug/L 99
3) Chloromethane	1.25	50	151770	52.177	ug/L 97
5) Vinyl chloride	1.32	62	144133	51.285	ug/L 99
6) Bromomethane	1.53	94	58686	40.139	ug/L 98
8) Chloroethane	1.59	64	78029	49.541	ug/L 97
9) Trichlorofluoromethane	1.76	101	210190	51.789	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	111755	52.941	ug/L 99
12) 1,1-Dichloroethene	2.13	96	99674	49.067	ug/L 90
13) Acetone	2.18	43	155051	100.113	ug/L 99
14) Carbon disulfide	2.31	76	354537	50.412	ug/L 99
15) Methyl Acetate	2.44	43	149429	52.494	ug/L 99
16) Methylene chloride	2.52	84	139020	48.543	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	133569	52.112	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	425924	53.677	ug/L 99
19) 1,1-Dichloroethane	3.21	63	245193	51.726	ug/L 99
22) 2-Butanone	3.98	43	218949	113.926	ug/L 95
23) Bromochloromethane	4.27	128	74095	52.056	ug/L 94

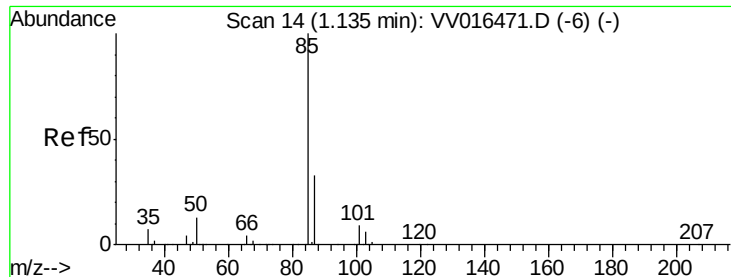
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060420\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	252352	50.791	ug/L	99
27) 1,2-Dichloroethane	5.15	62	208244	51.583	ug/L	99
29) Cyclohexane	4.70	56	233836	56.695	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	226323	53.440	ug/L	100
31) Carbon tetrachloride	4.85	117	197808	54.308	ug/L	98
33) Benzene	5.12	78	542748	53.106	ug/L	100
34) Trichloroethene	5.94	95	142112	52.993	ug/L	98
35) Methylcyclohexane	6.15	83	236993	61.568	ug/L	99
37) 1,2-Dichloropropane	6.20	63	139277	52.284	ug/L	100
38) Bromodichloromethane	6.53	83	181557	53.045	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	215231	55.414	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	407562	111.192	ug/L	99
42) Toluene	7.41	91	585189	54.036	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	208797	54.791	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	134332	52.151	ug/L	98
46) Tetrachloroethene	8.00	164	116336	56.265	ug/L	98
48) 2-Hexanone	8.16	43	322558	113.194	ug/L	99
49) Dibromochloromethane	8.27	129	136186	54.384	ug/L	99
50) 1,2-Dibromoethane	8.37	107	144426	53.005	ug/L #	99
51) Chlorobenzene	8.90	112	376315	52.871	ug/L	100
52) Ethylbenzene	9.03	91	650800	55.214	ug/L	99
53) m,p-Xylene	9.16	106	246213	55.398	ug/L	98
54) o-xylene	9.57	106	237102	55.084	ug/L	100
55) Styrene	9.58	104	408989	54.238	ug/L	98
56) Isopropylbenzene	9.95	105	645913	57.771	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	213214	51.601	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	171177	51.495	ug/L	98
61) Bromoform	9.75	173	87169	57.820	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	300201	53.814	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	306083	52.881	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	294180	52.392	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	46074	54.070	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	224309	59.767	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	208074	59.886	ug/L	99
69) Naphthalene	13.52	128	603871	56.623	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	200156	60.600	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 52.307 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

Instrument :

MSVOA_V

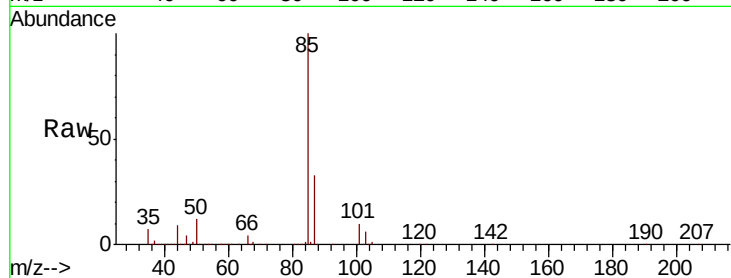
ClientSampleId :

Tot Ion: 85 Resp: 157910

Ion Ratio Lower Upper

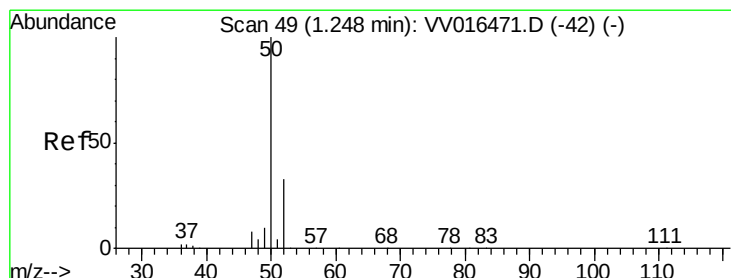
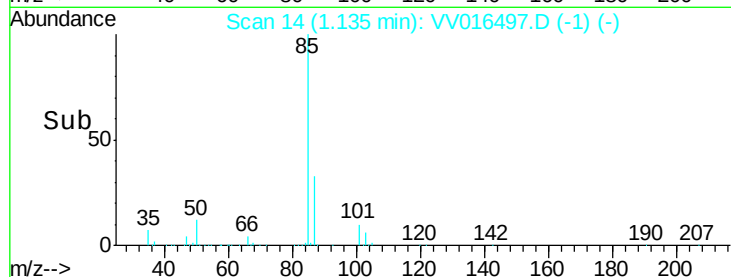
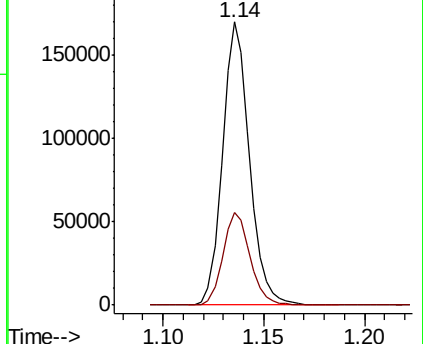
85 100

87 33.2 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: 52.177 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016497.D

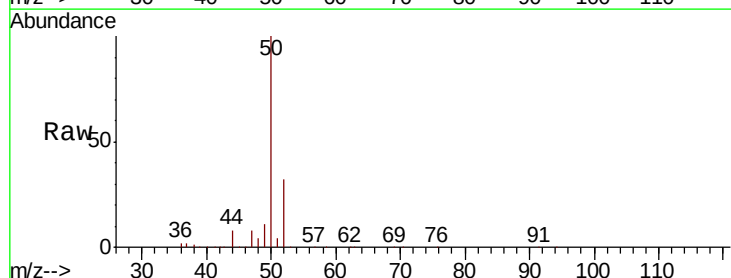
Acq: 04 Jun 2020 09:58

Tgt Ion: 50 Resp: 151770

Ion Ratio Lower Upper

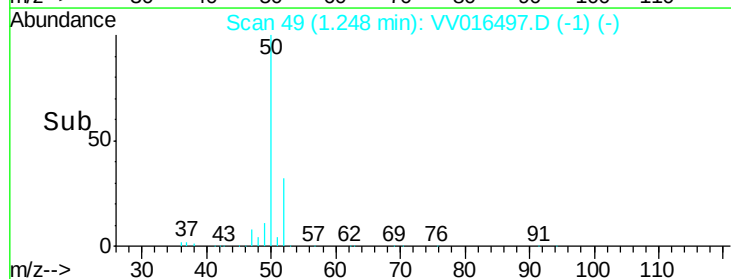
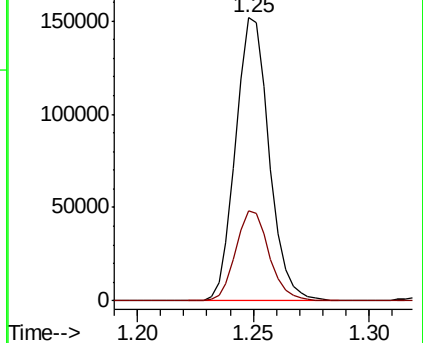
50 100

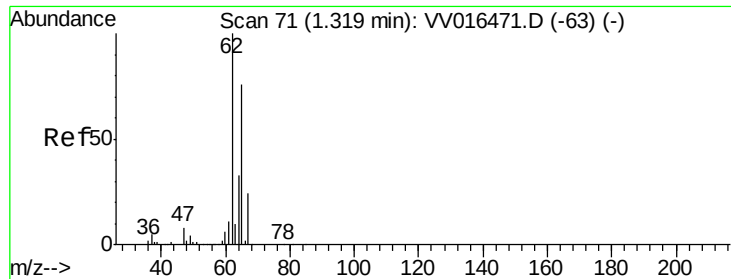
52 31.7 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 51.285 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

Instrument :

MSVOA_V

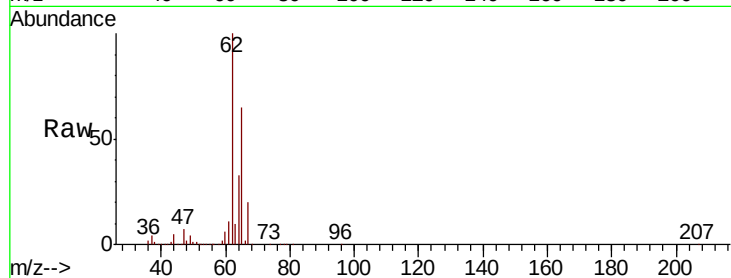
ClientSampleId :

Tot Ion: 62 Resp: 144133

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

150000

100000

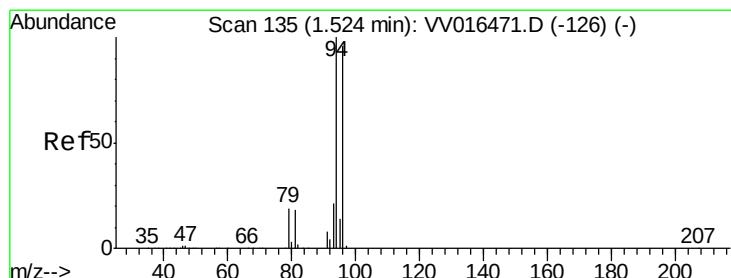
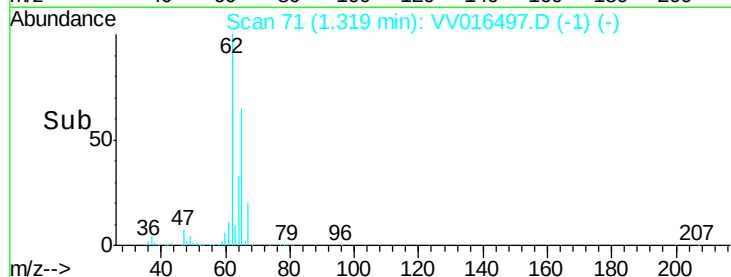
50000

0

1.32

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 40.139 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV016497.D

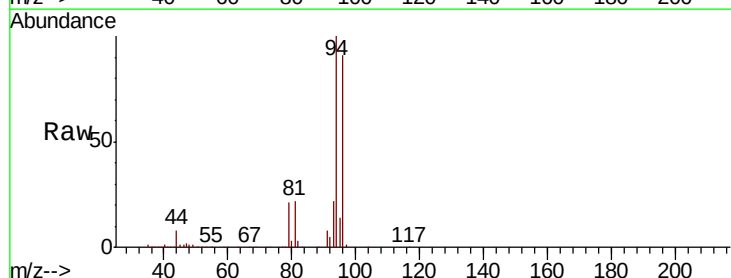
Acq: 04 Jun 2020 09:58

Tgt Ion: 94 Resp: 58686

Ion Ratio Lower Upper

94 100

96 90.9 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

50000

40000

30000

20000

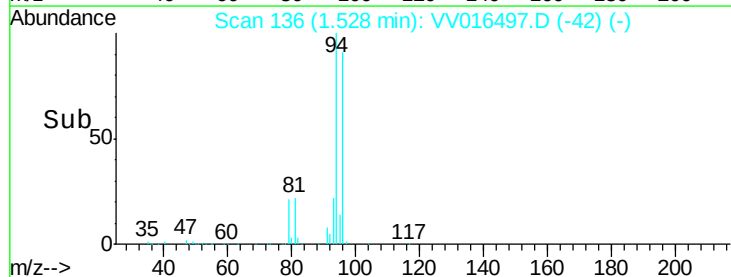
10000

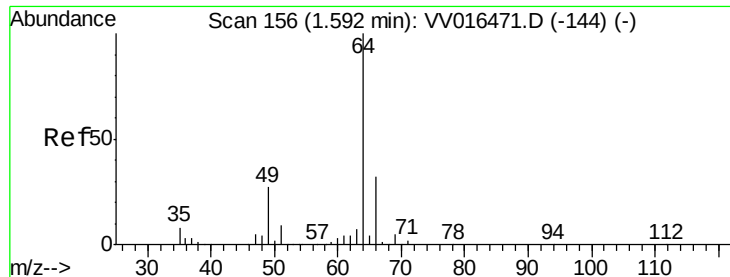
0

1.53

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 49.541 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

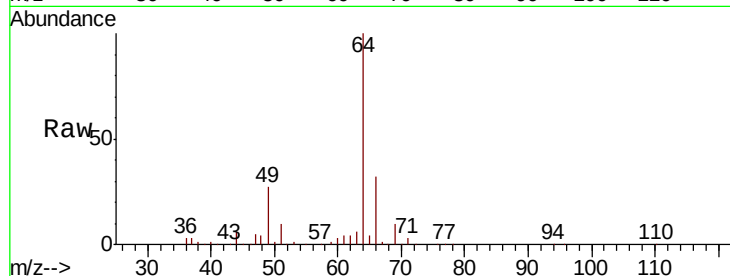
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 78029

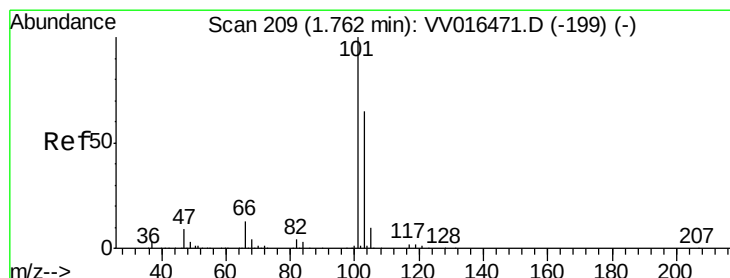
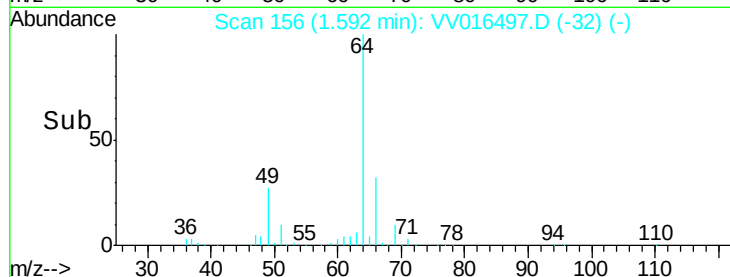
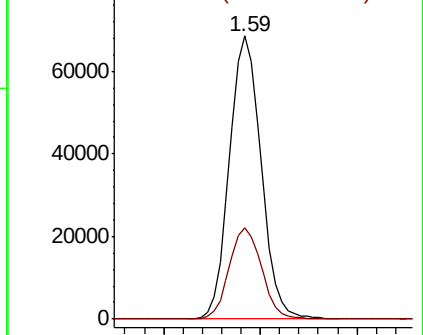
Ion Ratio Lower Upper

64 100

66 32.1 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016497.D (-156) (-)



#9

Trichlorofluoromethane

Concen: 51.789 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV016497.D

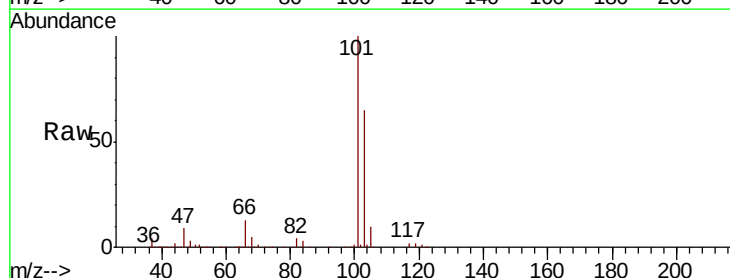
Acq: 04 Jun 2020 09:58

Tgt Ion: 101 Resp: 210190

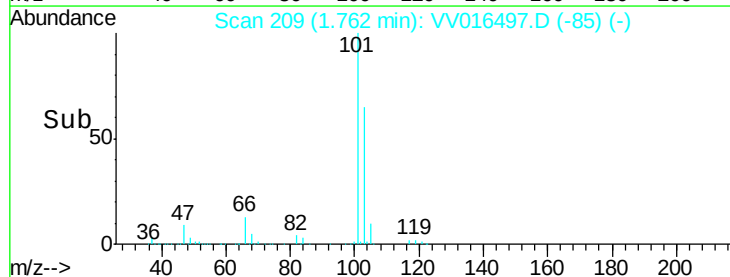
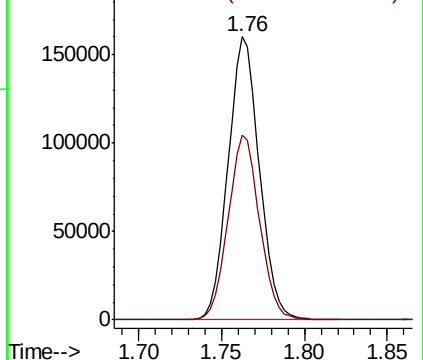
Ion Ratio Lower Upper

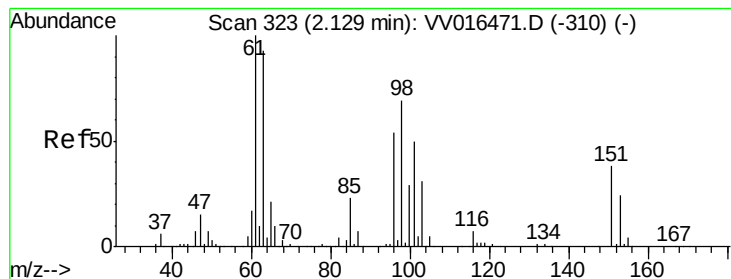
101 100

103 65.5 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016497.D (-209) (-)





#10

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

Concen: 52.941 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

Instrument :

MSVOA_V

ClientSampleId :

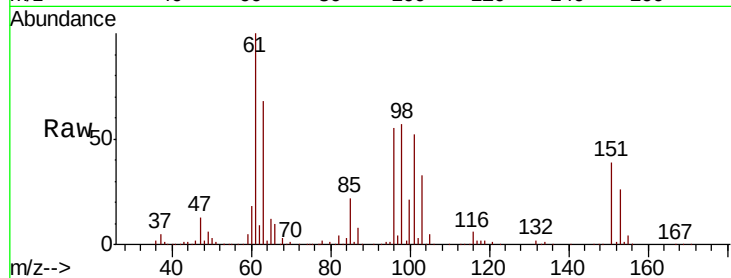
Tot Ion:101 Resp: 111755

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

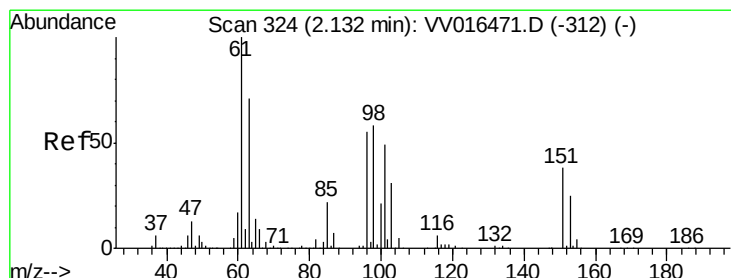
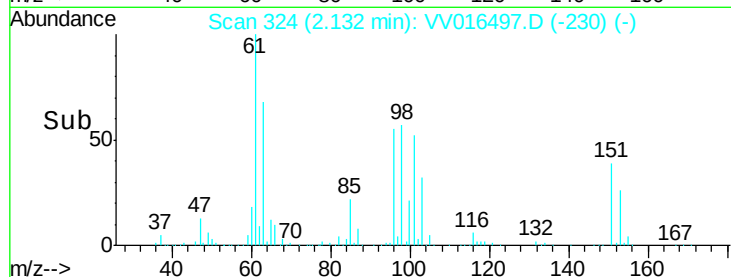
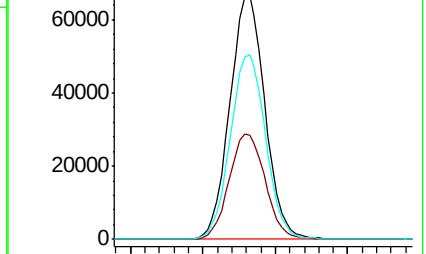
151 76.4 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): VV016497.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV016497.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV016497.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 49.067 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

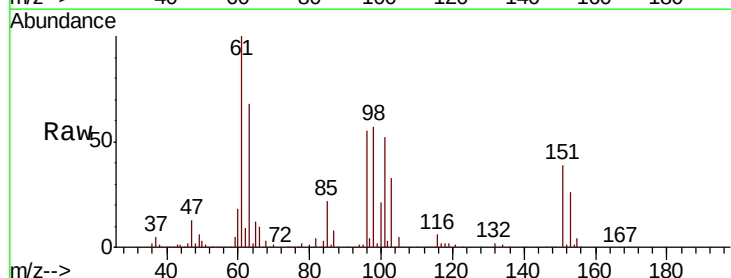
Tgt Ion: 96 Resp: 99674

Ion Ratio Lower Upper

96 100

61 182.7 125.5 233.1

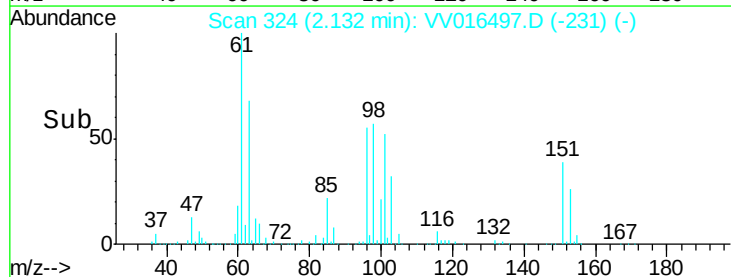
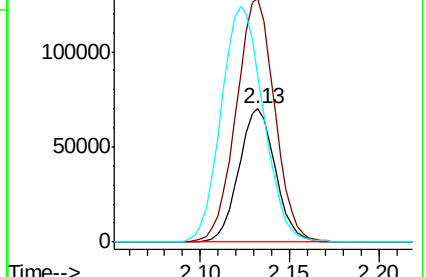
63 125.0 104.0 193.1

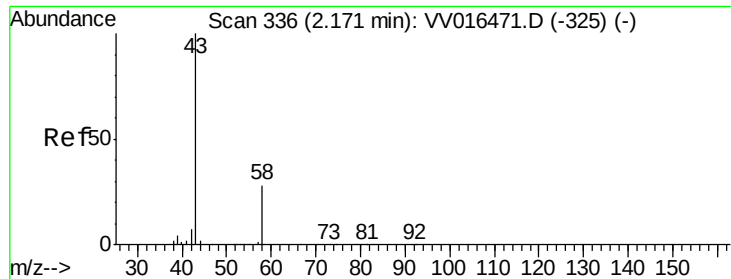


Abundance Ion 96.00 (95.70 to 96.70): VV016497.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV016497.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV016497.D (-231) (-)





#13

Acetone

Concen: 100.113 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.01 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

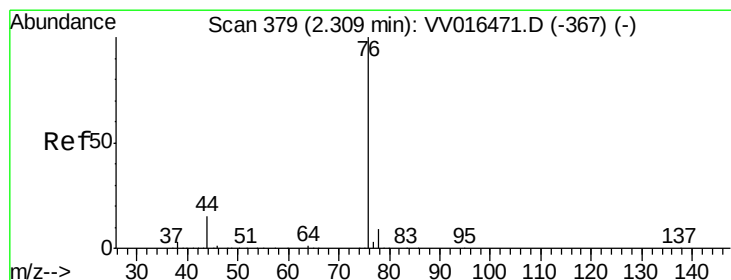
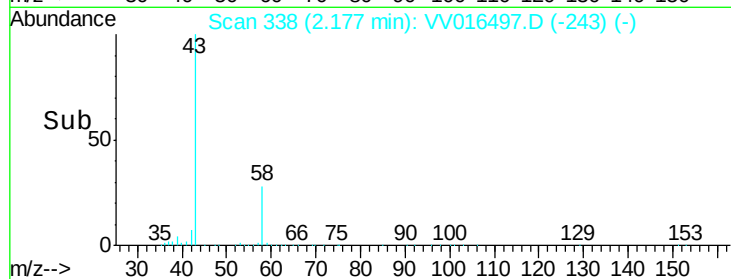
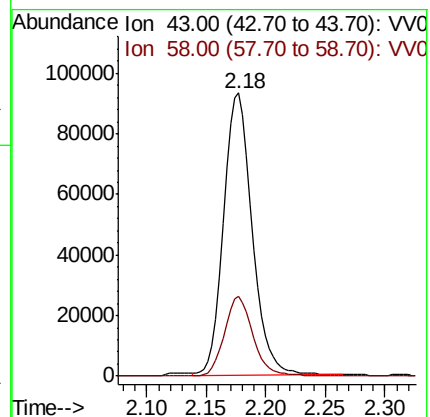
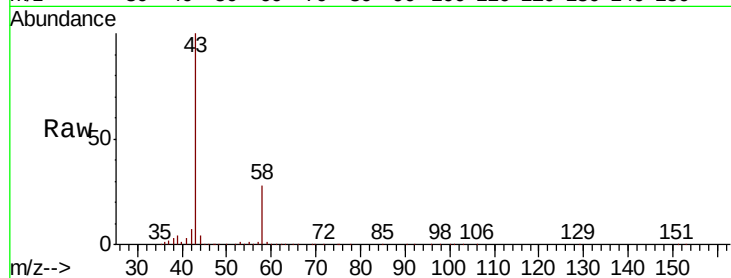
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 155051

Ion Ratio Lower Upper

43 100

58 28.3 0.0 57.2



#14

Carbon disulfide

Concen: 50.412 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016497.D

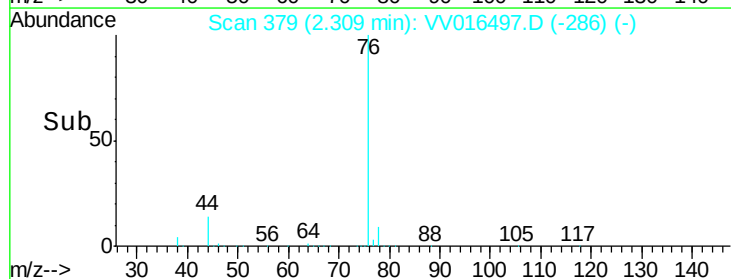
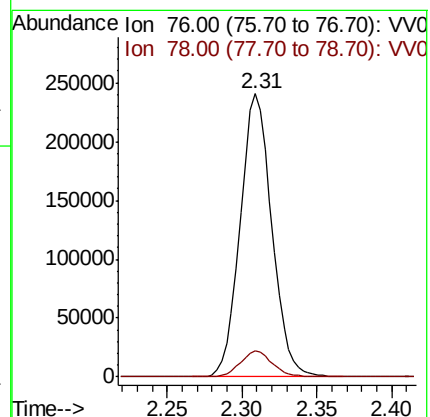
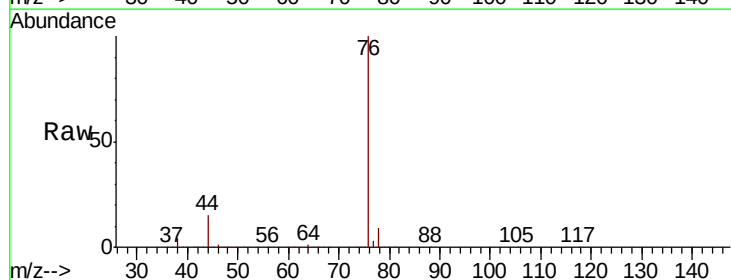
Acq: 04 Jun 2020 09:58

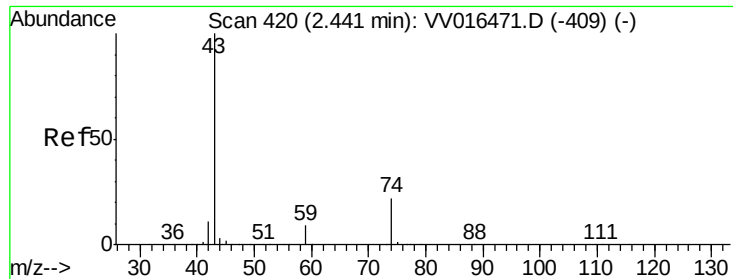
Tgt Ion: 76 Resp: 354537

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

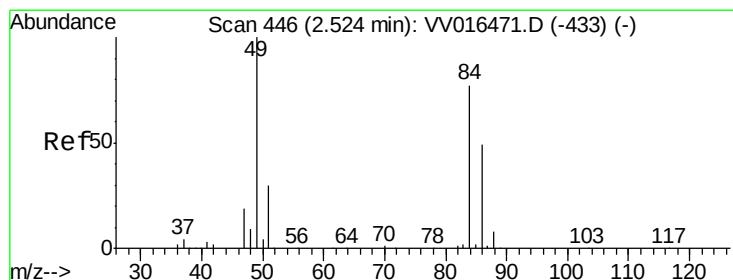
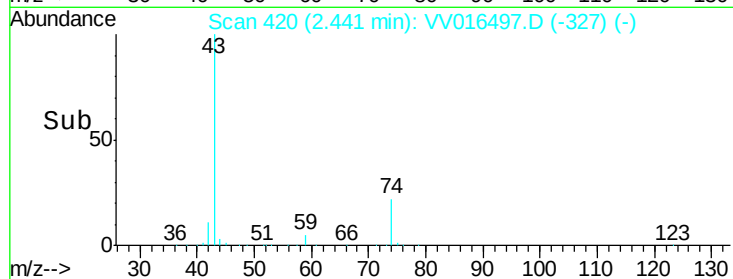
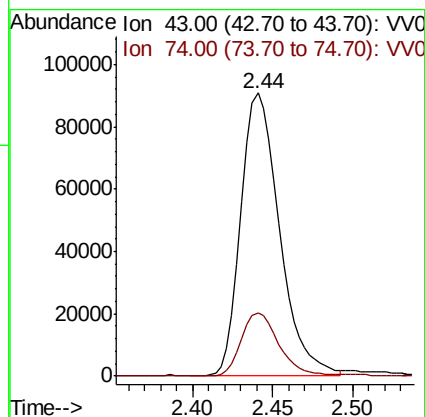
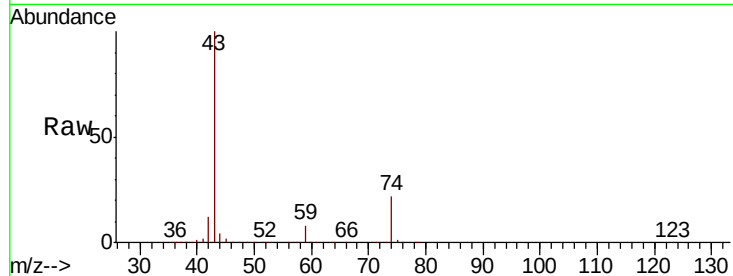




#15
Methvl Acetate
Concen: 52.494 ug/L
RT: 2.44 min Scan# 420
Delta R.T. -0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

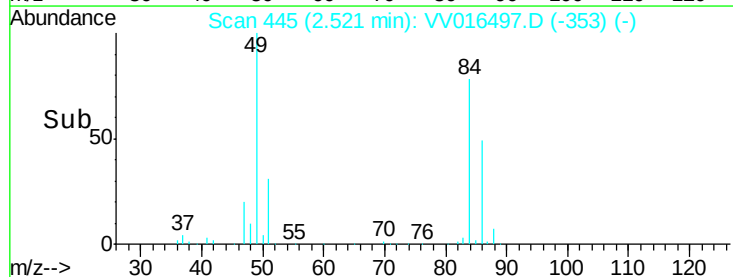
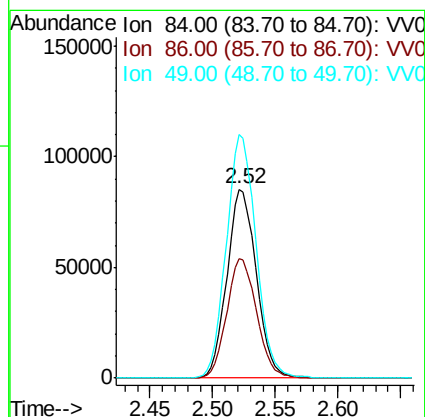
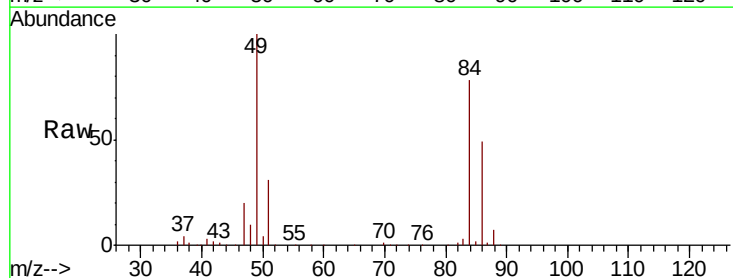
Instrument :
MSVOA_V
ClientSampled :

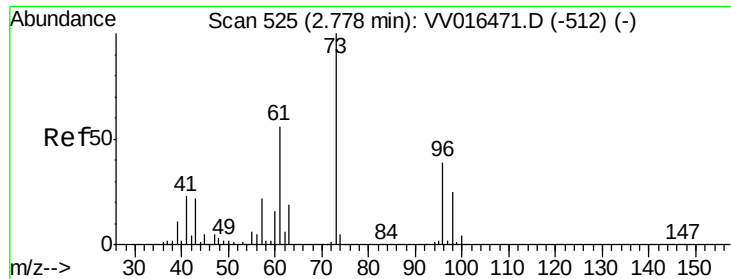
Tot Ion: 43 Resp: 149429
Ion Ratio Lower Upper
43 100
74 22.1 18.1 27.1



#16
Methylene chloride
Concen: 48.543 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Tgt Ion: 84 Resp: 139020
Ion Ratio Lower Upper
84 100
86 63.4 45.1 83.9
49 128.9 92.4 171.6

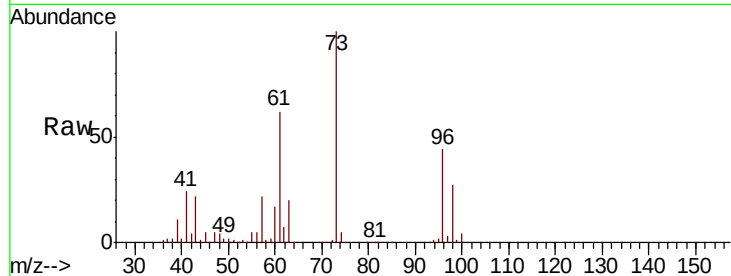




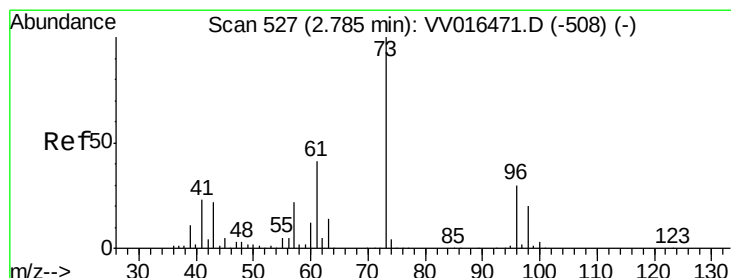
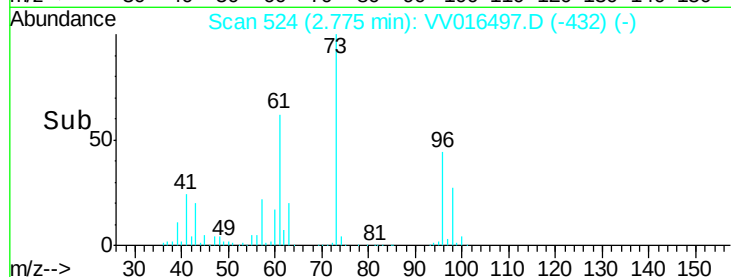
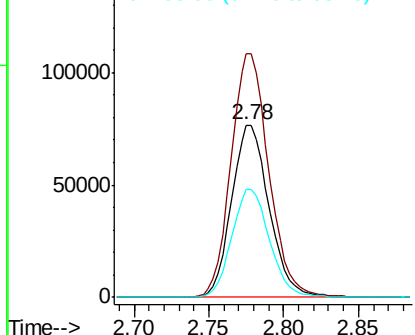
#17
trans-1,2-Dichloroethene
Concen: 52.112 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 133569
Ion Ratio Lower Upper
96 100
61 141.5 101.0 187.6
98 62.4 44.7 83.1

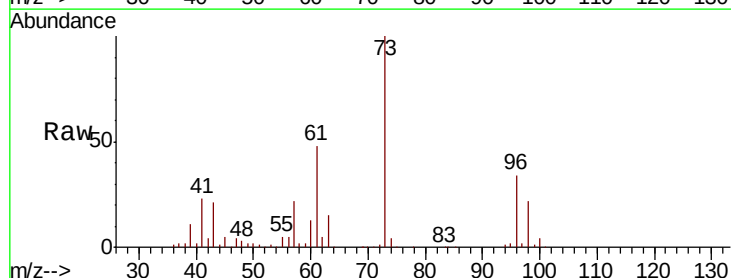


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

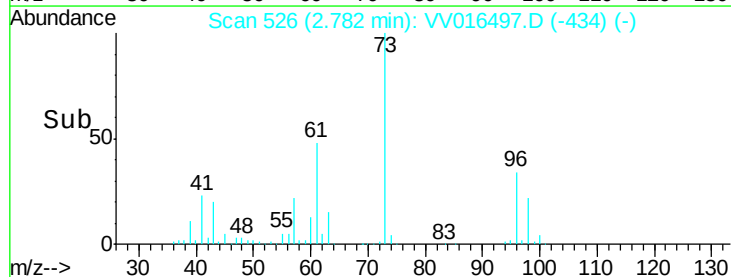
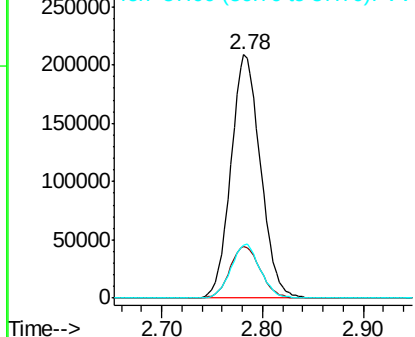


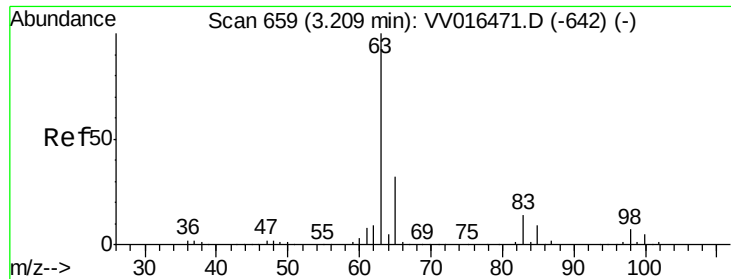
#18
Methyl tert-butyl Ether
Concen: 53.677 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Tgt Ion: 73 Resp: 425924
Ion Ratio Lower Upper
73 100
43 21.7 17.0 25.4
57 21.9 17.8 26.8



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



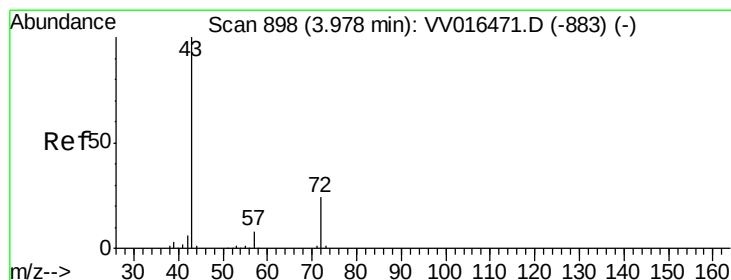
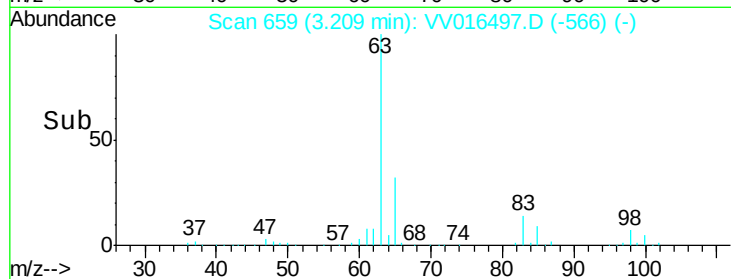
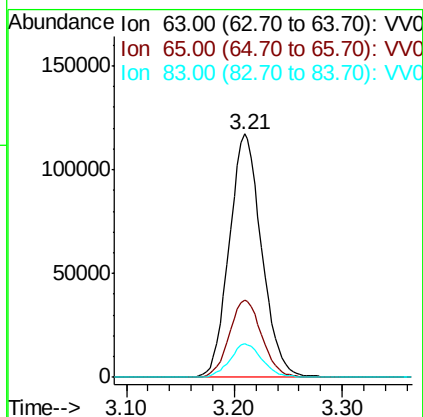
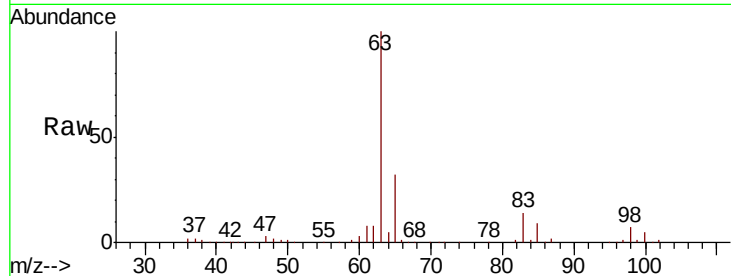


#19
 1,1-Dichloroethane
 Concen: 51.726 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016497.D
 Acq: 04 Jun 2020 09:58

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 63 Resp: 245193

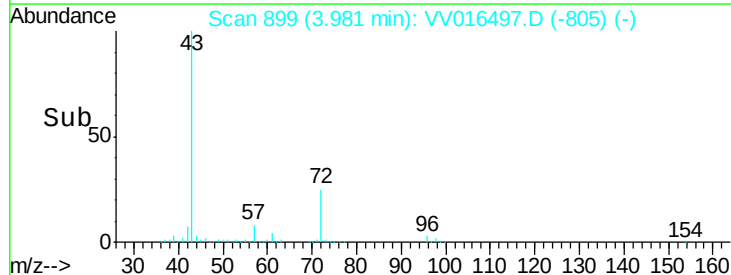
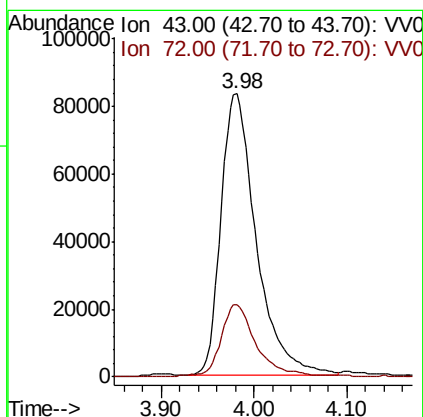
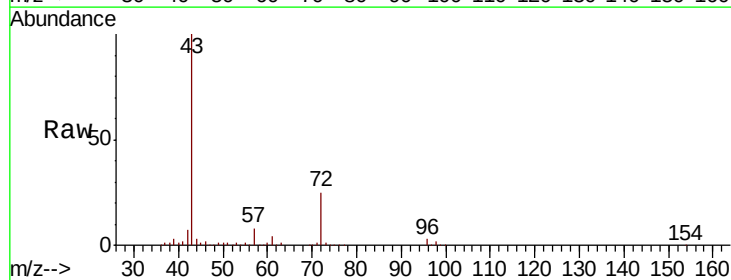
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.2	41.2
83	13.7	9.1	16.9

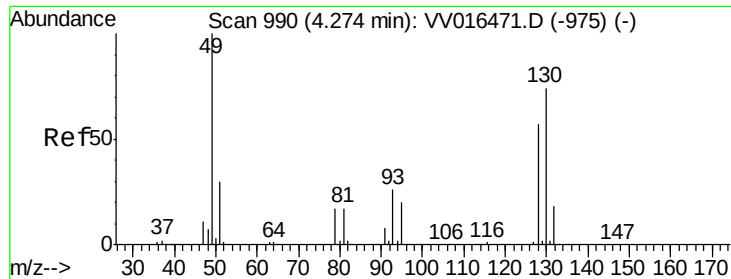


#22
 2-Butanone
 Concen: 113.926 ug/L
 RT: 3.98 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VV016497.D
 Acq: 04 Jun 2020 09:58

Tgt Ion: 43 Resp: 218949

Ion	Ratio	Lower	Upper
43	100		
72	23.0	12.8	38.3

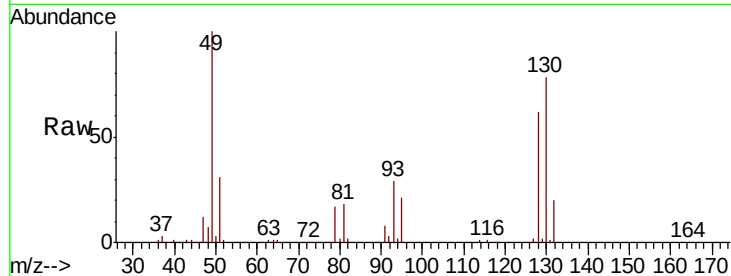




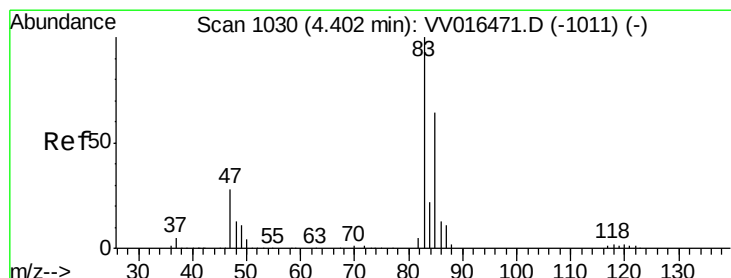
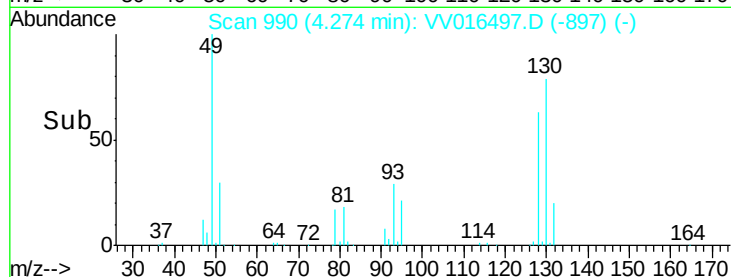
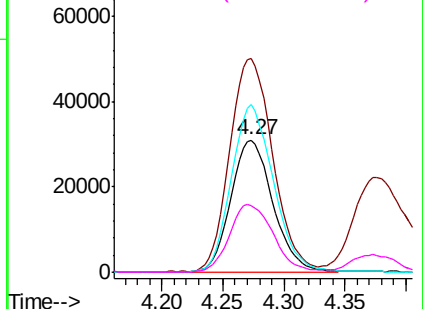
#23
Bromochloromethane
Concen: 52.056 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 74095
Ion Ratio Lower Upper
128 100
49 161.4 121.7 225.9
130 126.4 90.1 167.3
51 50.3 43.8 65.6

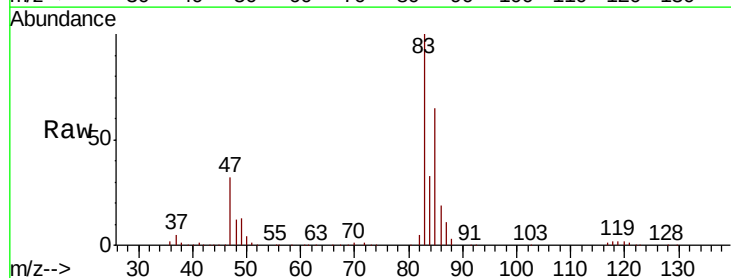


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

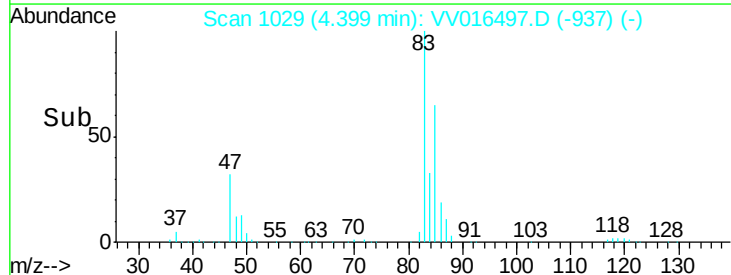
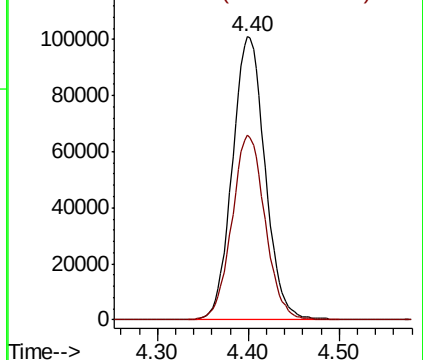


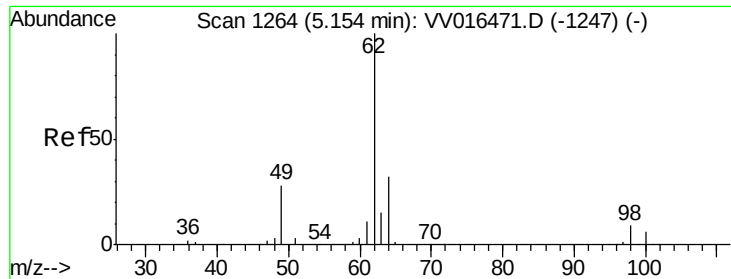
#25
Chloroform
Concen: 50.791 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Tgt Ion: 83 Resp: 252352
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

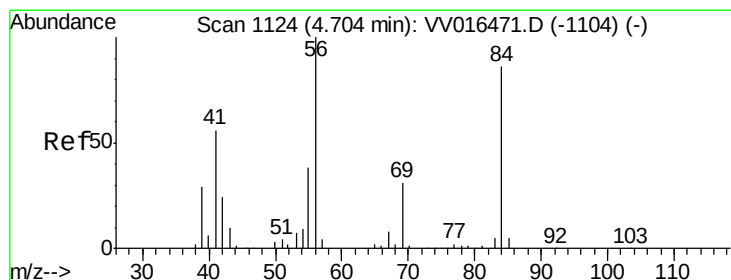
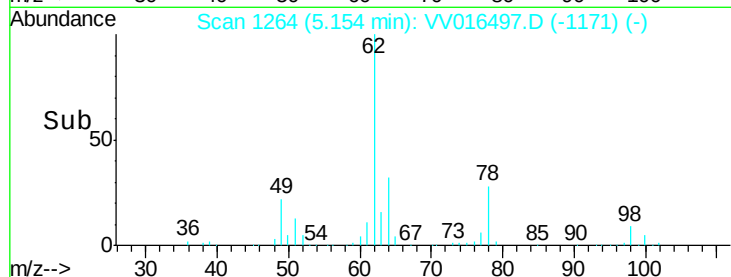
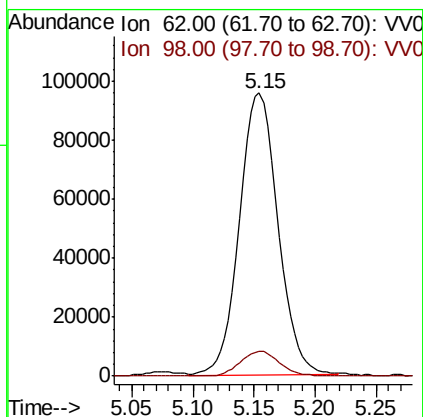
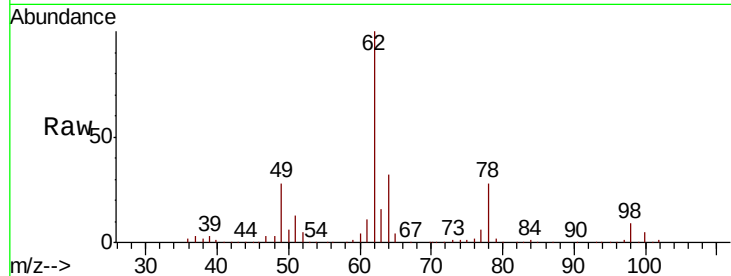




#27
 1,2-Dichloroethane
 Concen: 51.583 ug/L
 RT: 5.15 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VV016497.D
 Acq: 04 Jun 2020 09:58

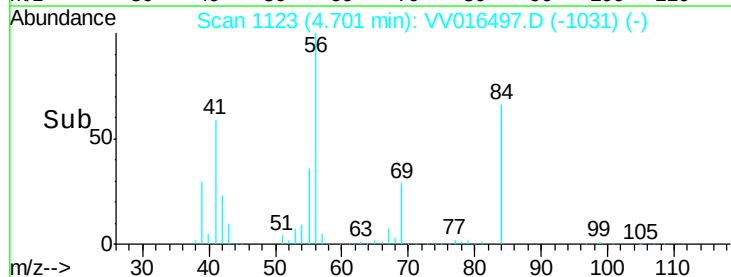
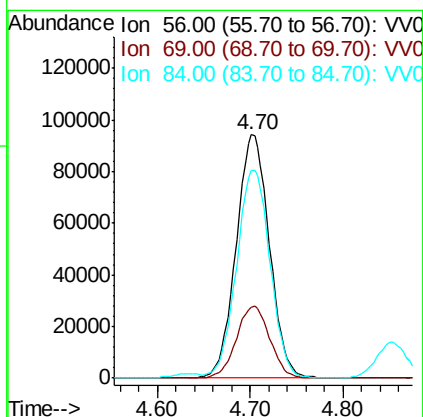
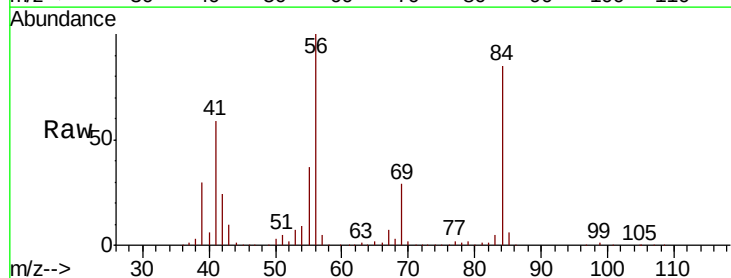
Instrument :
 MSVOA_V
 ClientSampled :

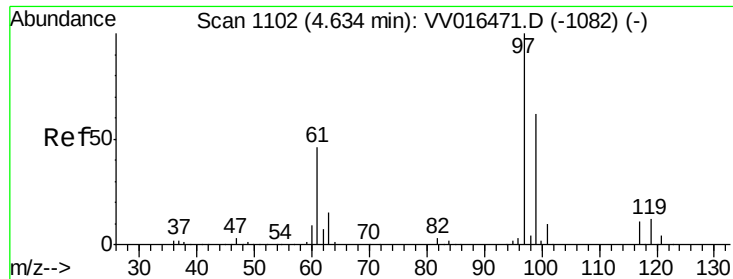
Tot Ion: 62 Resp: 208244
 Ion Ratio Lower Upper
 62 100
 98 8.9 6.9 10.3



#29
 Cyclohexane
 Concen: 56.695 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV016497.D
 Acq: 04 Jun 2020 09:58

Tgt Ion: 56 Resp: 233836
 Ion Ratio Lower Upper
 56 100
 69 29.8 23.9 35.9
 84 86.1 68.2 102.2

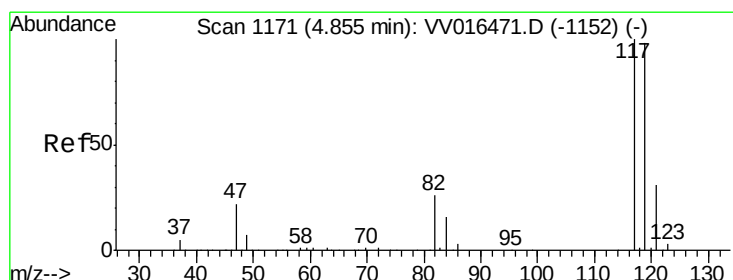
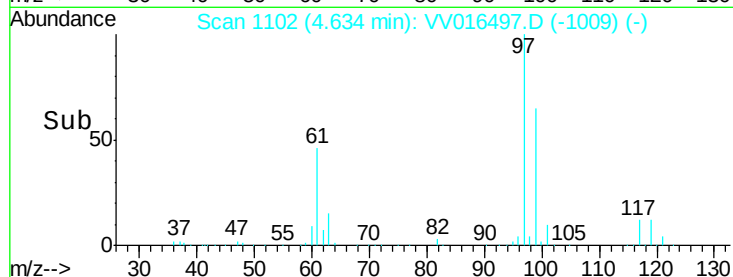
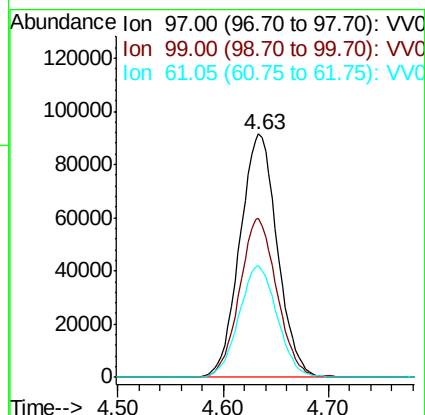
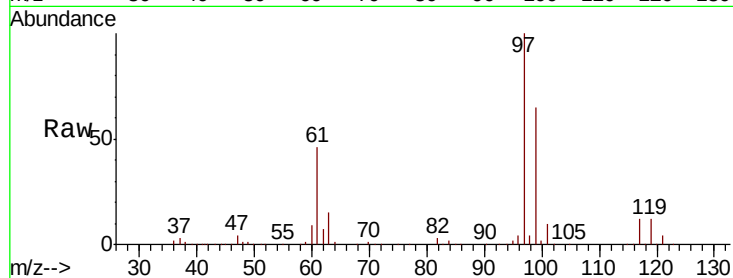




#30
 1,1,1-Trichloroethane
 Concen: 53.440 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV016497.D
 Acq: 04 Jun 2020 09:58

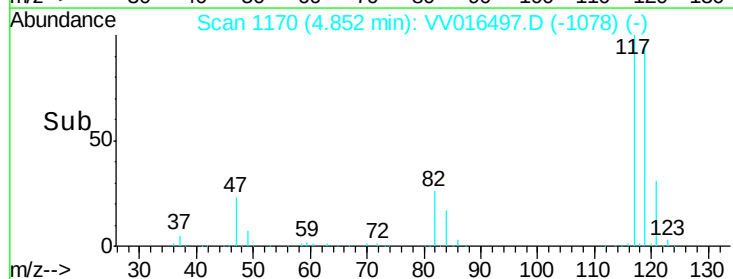
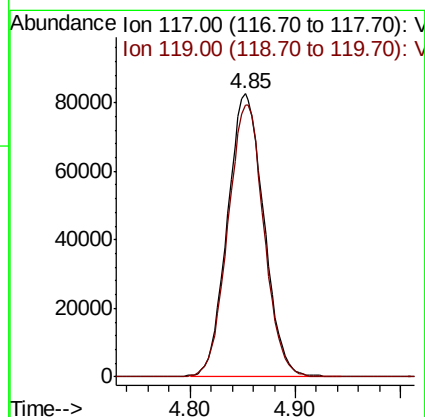
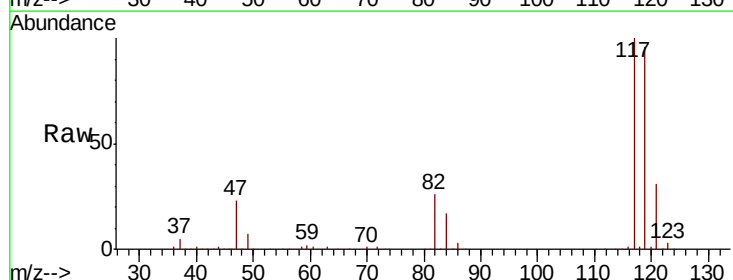
Instrument :
 MSVOA_V
 ClientSampleId :

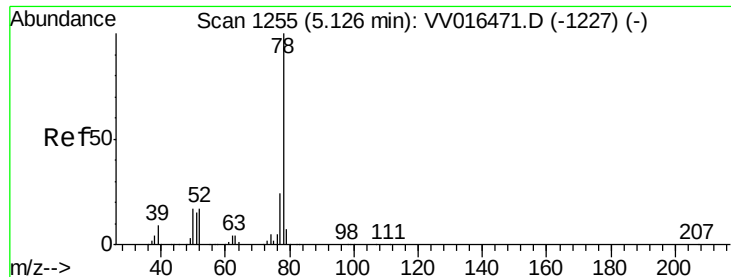
Tot Ion: 97 Resp: 226323
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.8 77.8
 61 46.5 37.4 56.0



#31
 Carbon tetrachloride
 Concen: 54.308 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VV016497.D
 Acq: 04 Jun 2020 09:58

Tgt Ion: 117 Resp: 197808
 Ion Ratio Lower Upper
 117 100
 119 95.0 77.8 116.6

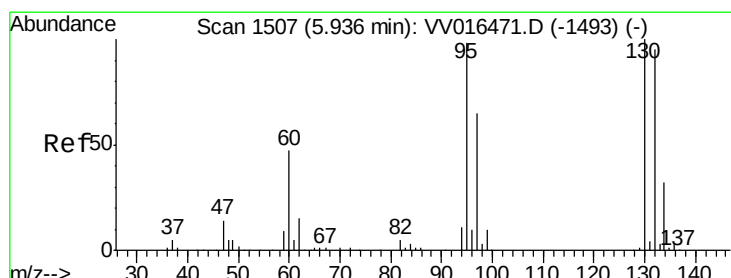
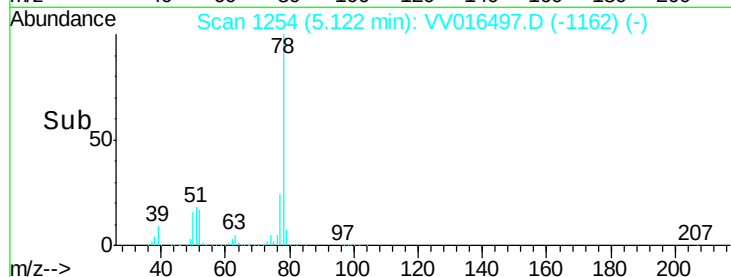
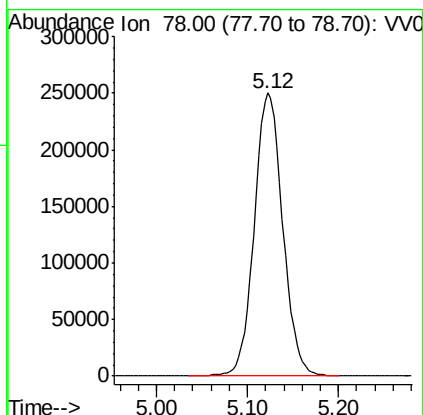
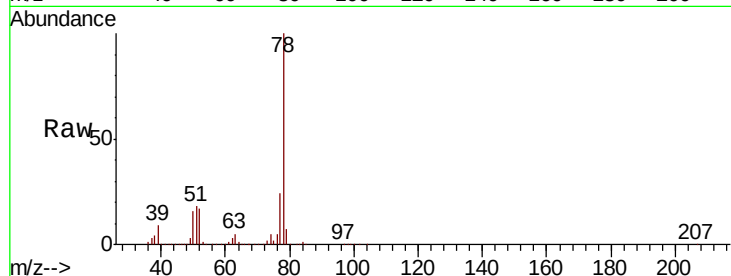




#33
Benzene
Concen: 53.106 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Instrument :
MSVOA_V
ClientSampleId :

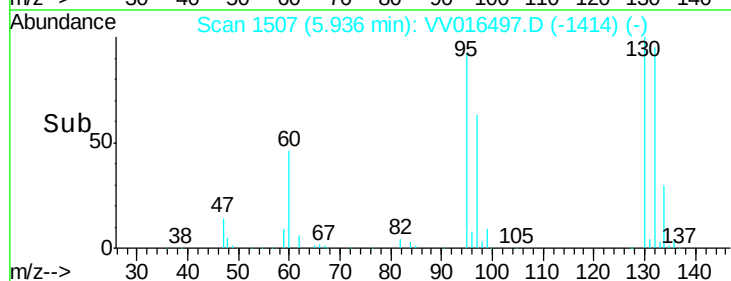
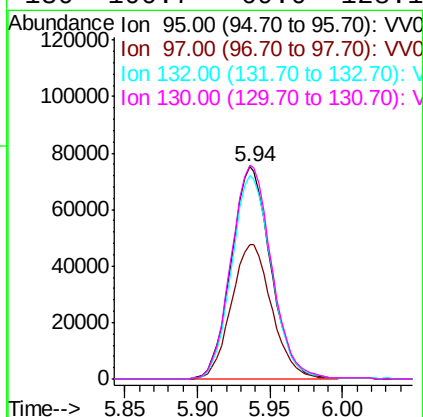
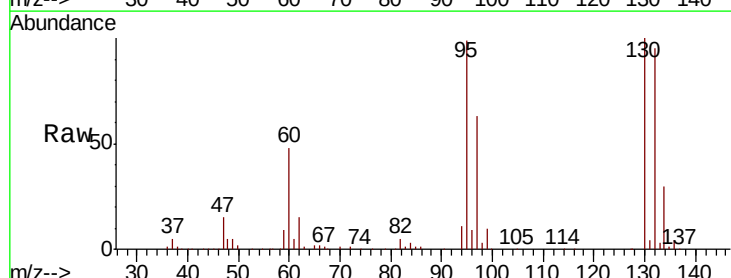
Tgt Ion: 78 Resp: 542748

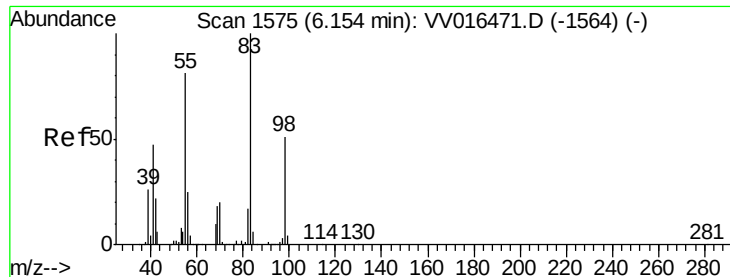


#34
Trichloroethene
Concen: 52.993 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Tgt Ion: 95 Resp: 142112

Ion	Ratio	Lower	Upper
95	100		
97	63.5	42.8	79.6
132	95.8	65.6	121.8
130	100.7	69.0	128.1

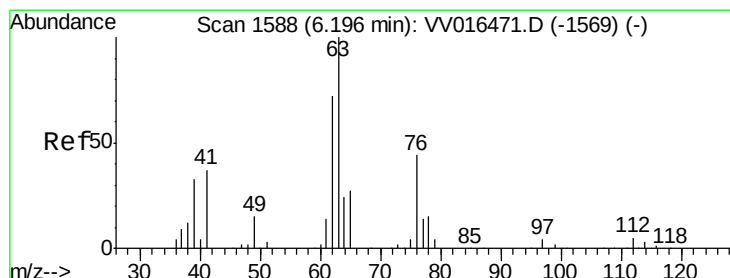
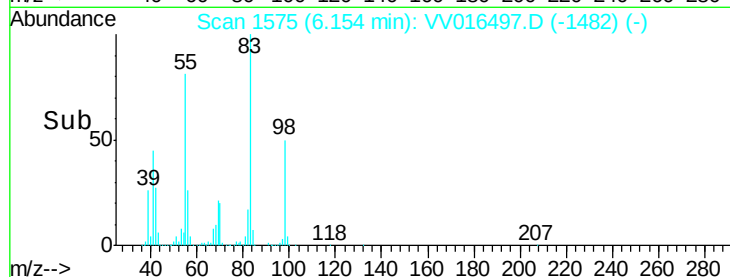
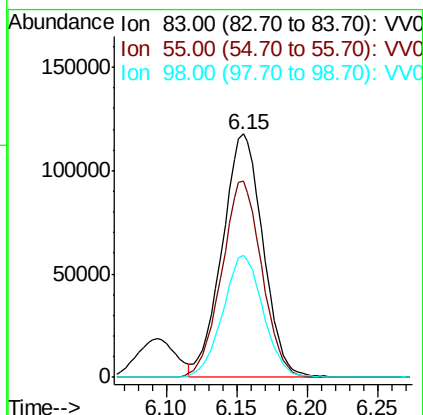
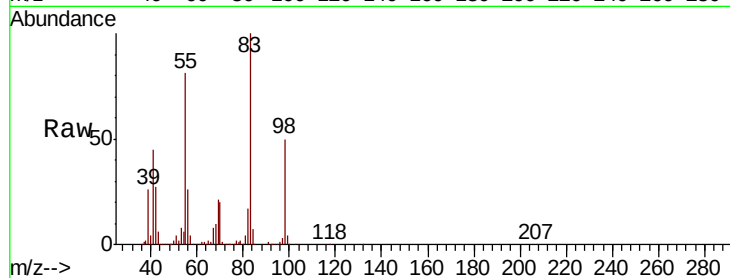




#35
Methylcyclohexane
Concen: 61.568 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

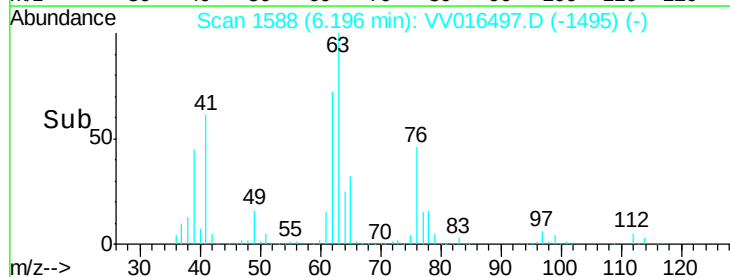
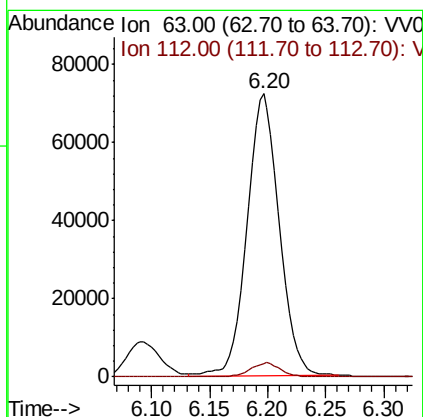
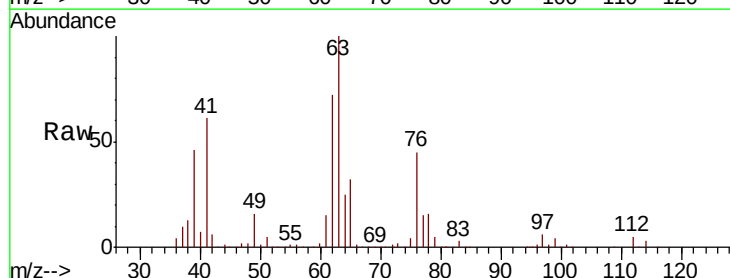
Instrument :
MSVOA_V
ClientSampleId :

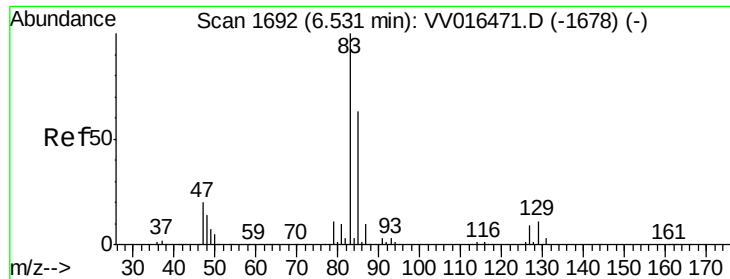
Tot Ion: 83 Resp: 236993
Ion Ratio Lower Upper
83 100
55 79.8 63.4 95.0
98 49.3 39.4 59.0



#37
1,2-Dichloropropane
Concen: 52.284 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Tgt Ion: 63 Resp: 139277
Ion Ratio Lower Upper
63 100
112 4.7 3.9 5.9





#38

Bromodichloromethane

Concen: 53.045 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

Instrument :

MSVOA_V

ClientSampleId :

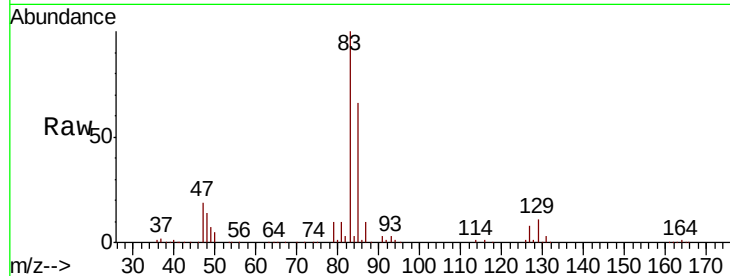
Tot Ion: 83 Resp: 181557

Ion Ratio Lower Upper

83 100

85 65.9 44.4 82.5

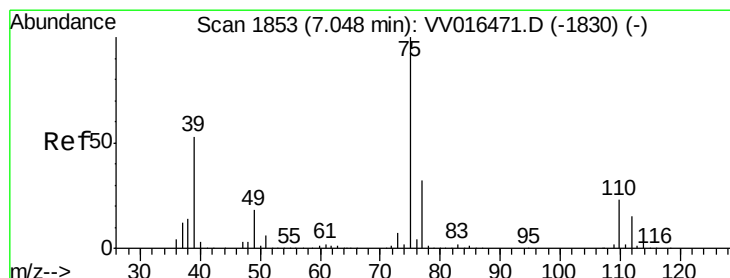
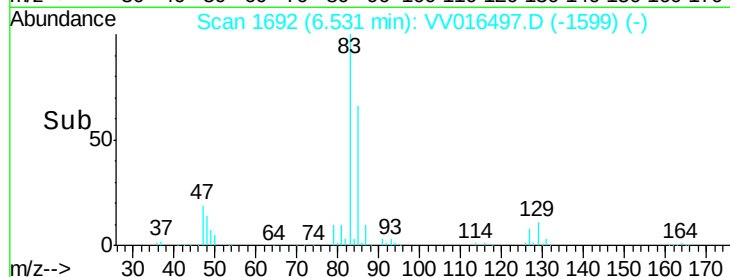
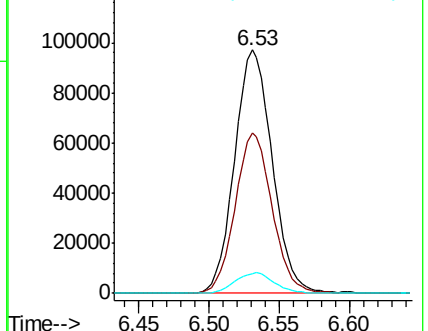
127 8.2 7.1 10.7



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): VV0



#39

cis-1,3-Dichloropropene

Concen: 55.414 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VV016497.D

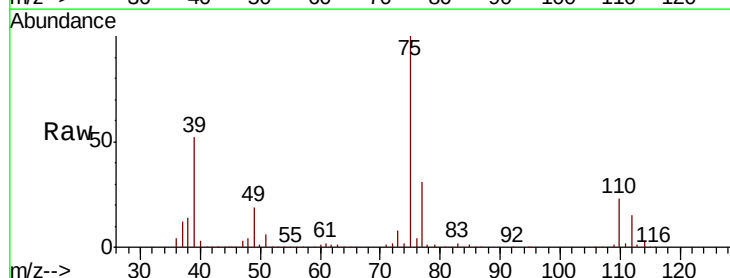
Acq: 04 Jun 2020 09:58

Tgt Ion: 75 Resp: 215231

Ion Ratio Lower Upper

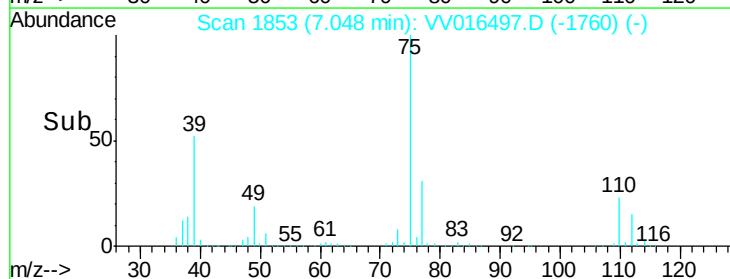
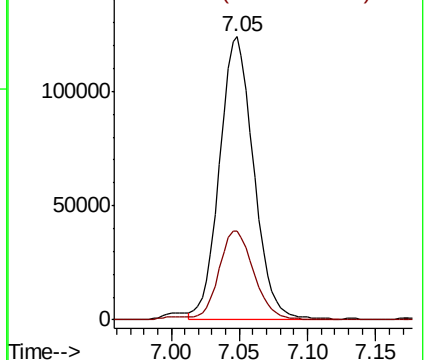
75 100

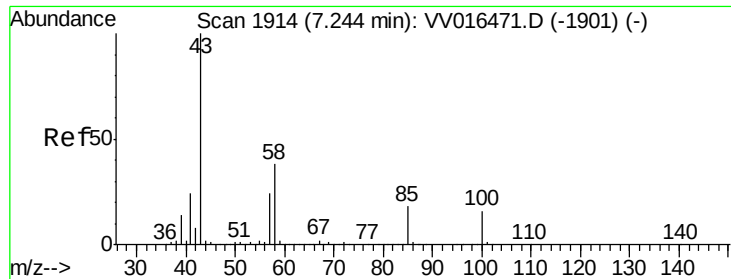
77 31.2 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

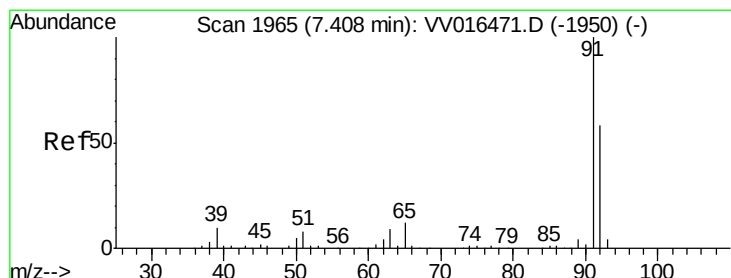
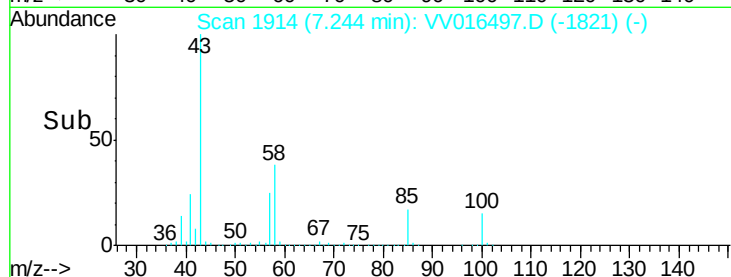
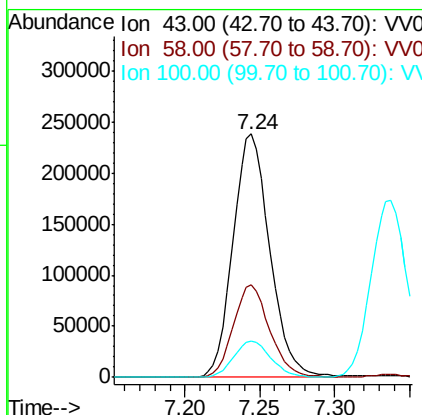
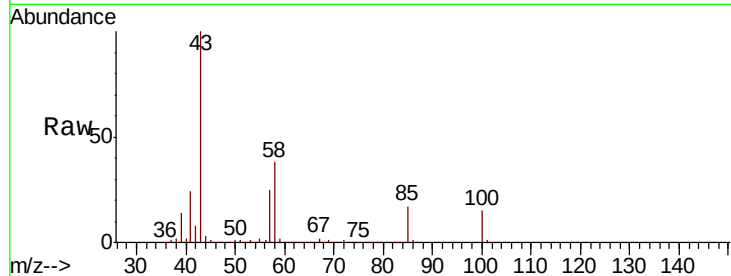




#40
4-Methyl-2-pentanone
Concen: 111.192 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

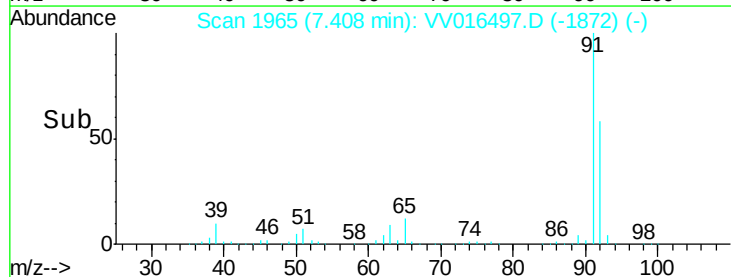
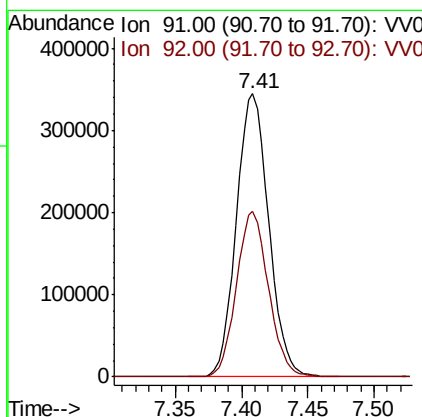
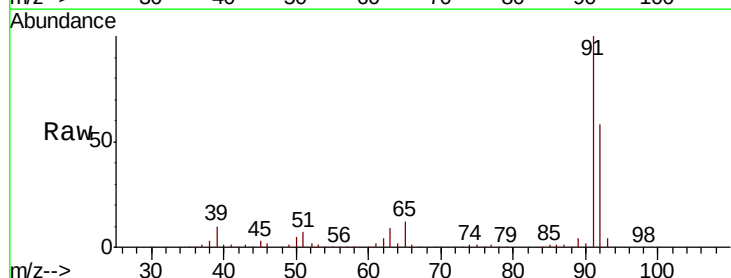
Instrument :
MSVOA_V
ClientSampled :

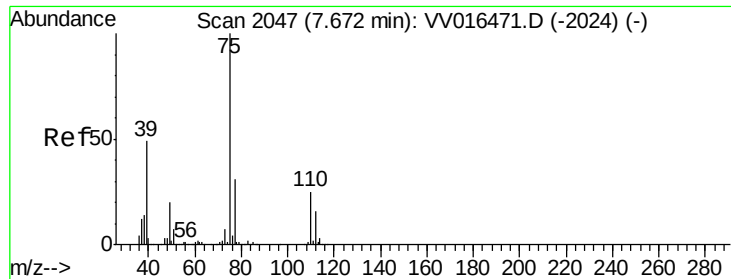
Tot Ion: 43 Resp: 407562
Ion Ratio Lower Upper
43 100
58 37.7 29.9 44.9
100 15.2 11.9 17.9



#42
Toluene
Concen: 54.036 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Tgt Ion: 91 Resp: 585189
Ion Ratio Lower Upper
91 100
92 58.5 40.9 75.9





#44

trans-1,3-Dichloropropene

Concen: 54.791 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

Instrument :

MSVOA_V

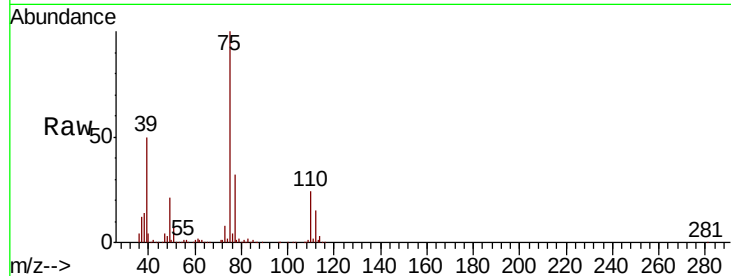
ClientSampled :

Tot Ion: 75 Resp: 208797

Ion Ratio Lower Upper

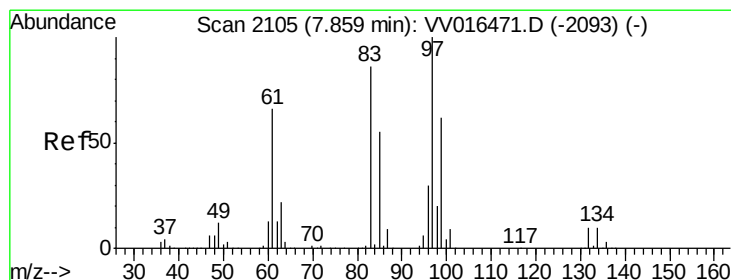
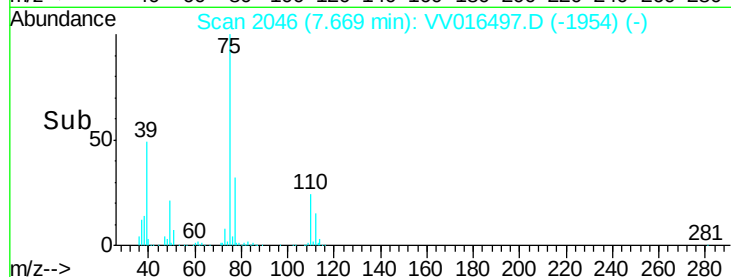
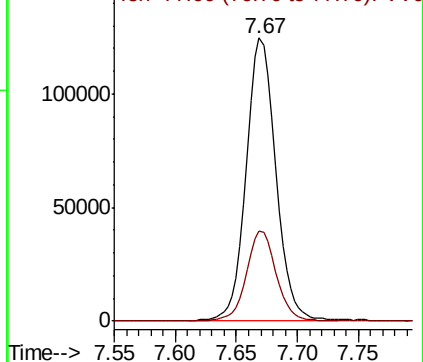
75 100

77 31.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 52.151 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

Tgt Ion: 97 Resp: 134332

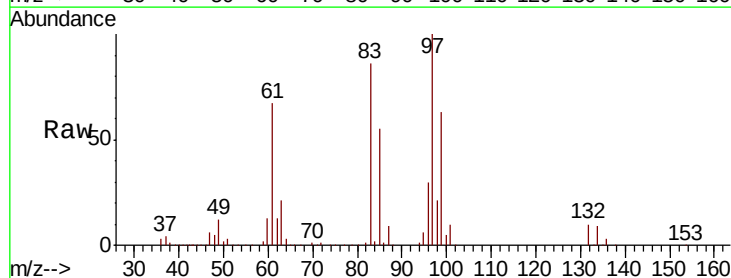
Ion Ratio Lower Upper

97 100

99 62.7 42.9 79.7

83 86.0 59.3 110.1

85 54.5 37.5 69.7

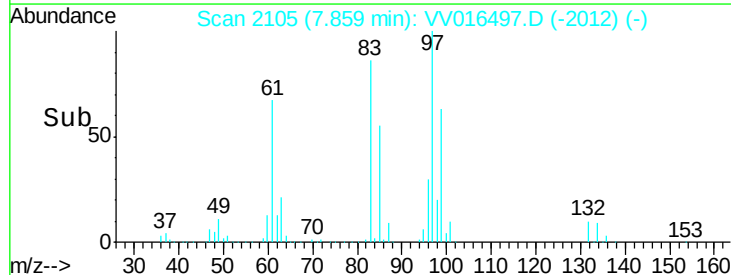
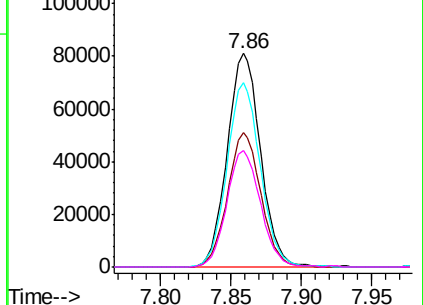


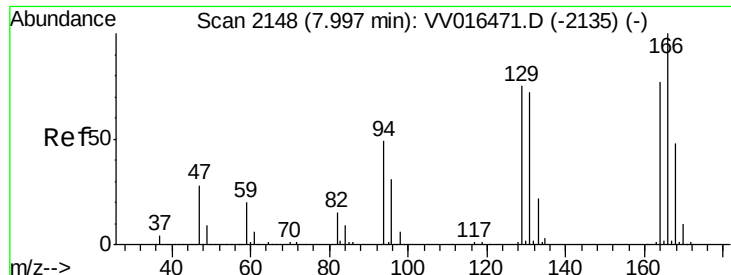
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

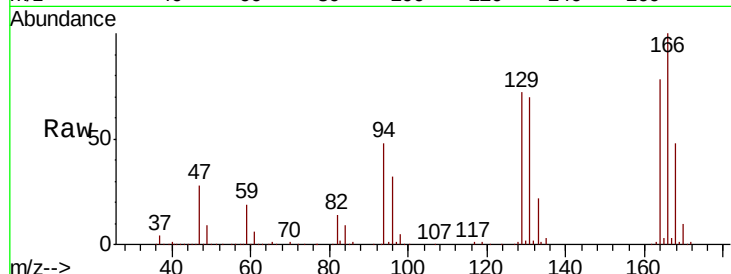




#46
Tetrachloroethene
Concen: 56.265 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
129	93.1	67.7	125.7
131	90.3	63.8	118.6
166	128.8	88.7	164.7



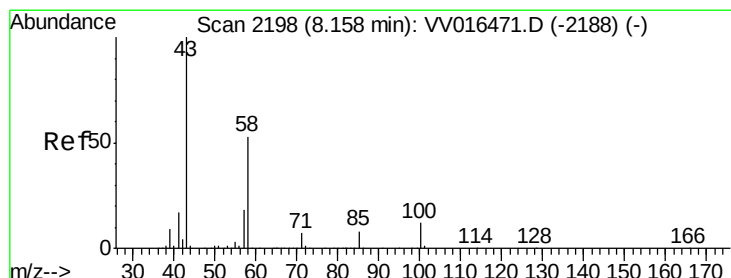
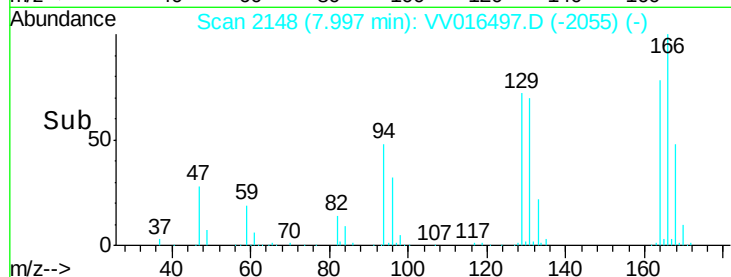
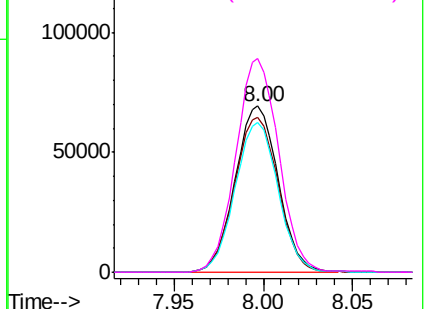
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

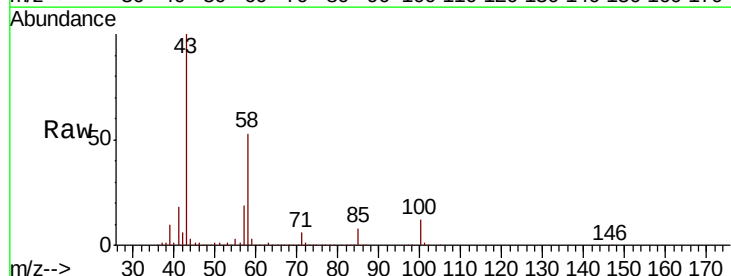
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 113.194 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.4	42.7	64.1
57	18.6	14.5	21.7
100	12.4	9.4	14.2



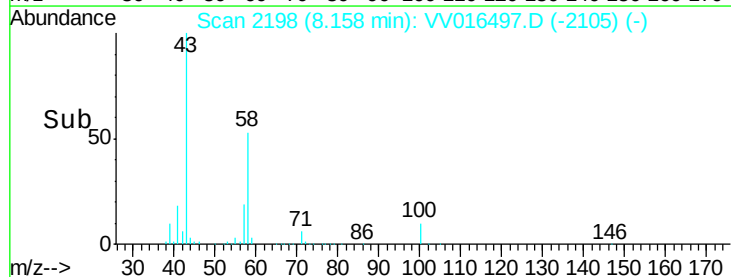
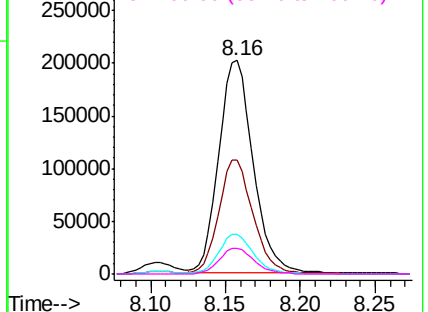
Abundance

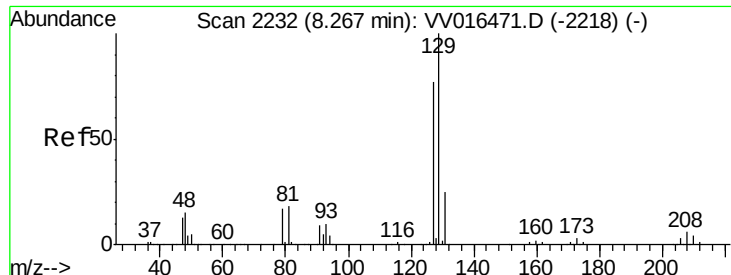
Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 54.384 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

Instrument :

MSVOA_V

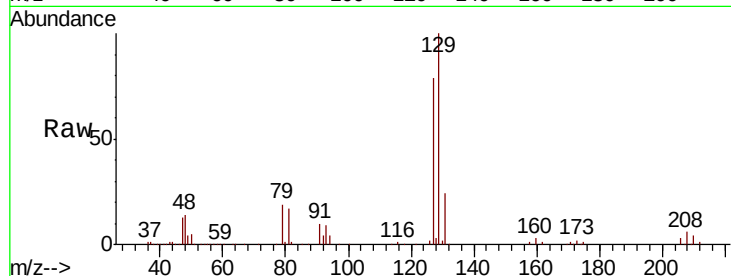
ClientSampleId :

Tot Ion:129 Resp: 136186

Ion Ratio Lower Upper

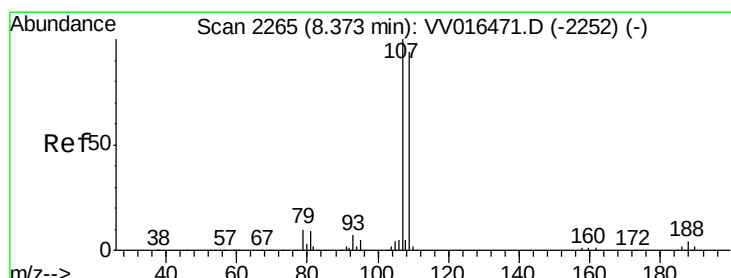
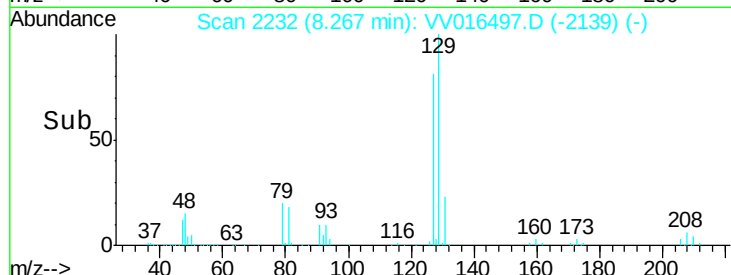
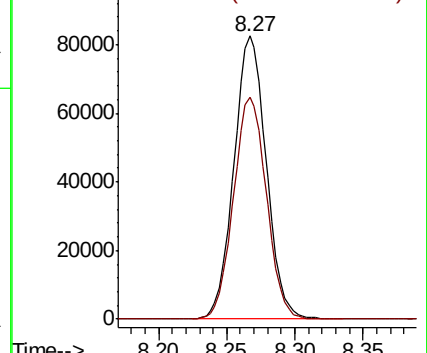
129 100

127 78.6 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 53.005 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

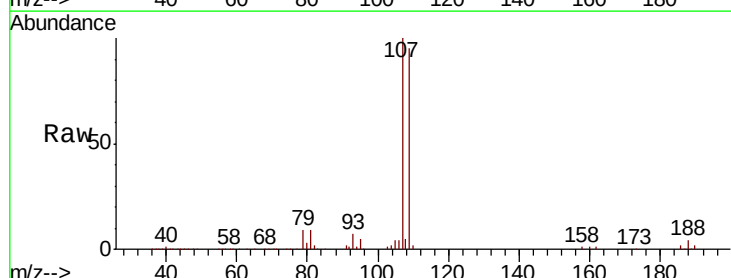
Tgt Ion:107 Resp: 144426

Ion Ratio Lower Upper

107 100

109 95.5 65.9 122.3

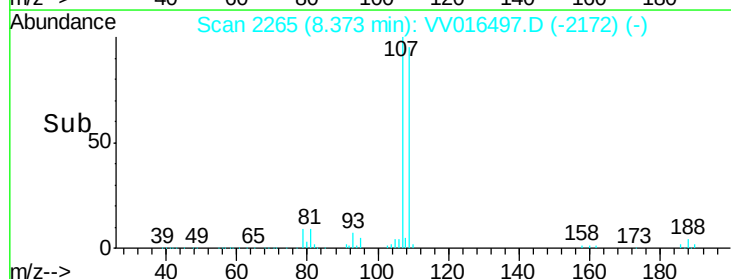
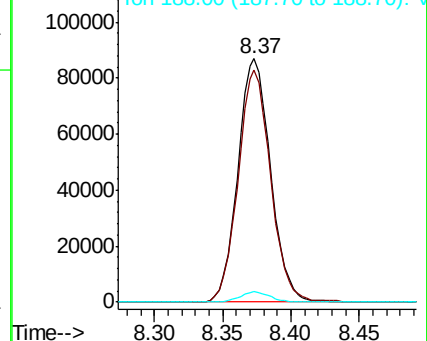
188 4.4 2.8 4.2#

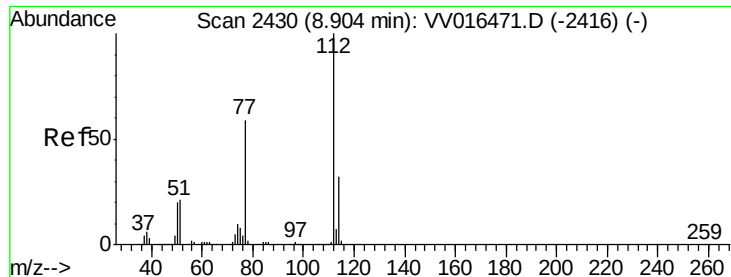


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 52.871 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

Instrument :

MSVOA_V

ClientSampleId :

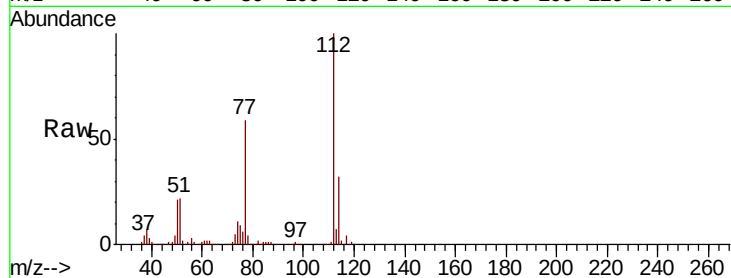
Tot Ion:112 Resp: 376315

Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.1

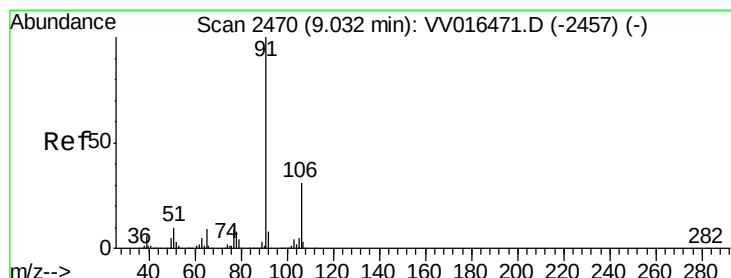
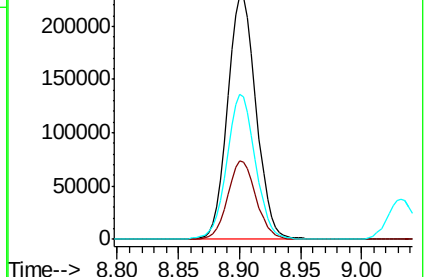
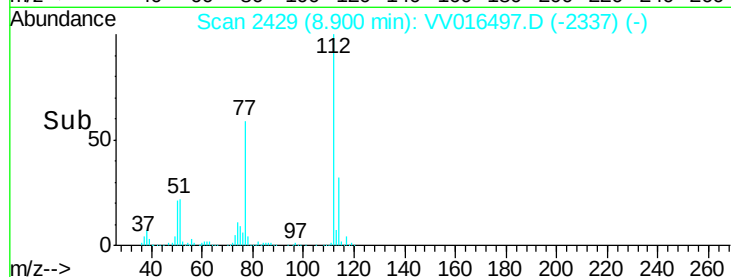
77 59.5 47.4 71.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 55.214 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016497.D

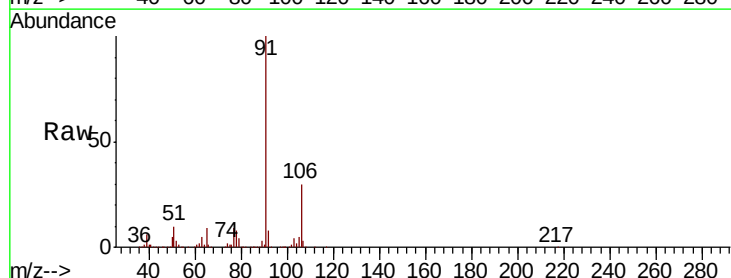
Acq: 04 Jun 2020 09:58

Tgt Ion: 91 Resp: 650800

Ion Ratio Lower Upper

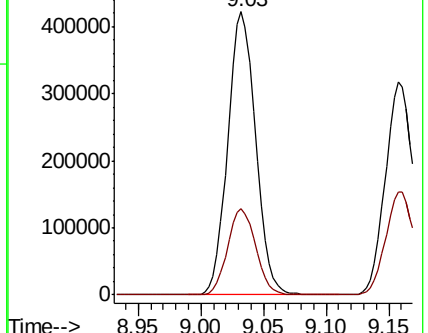
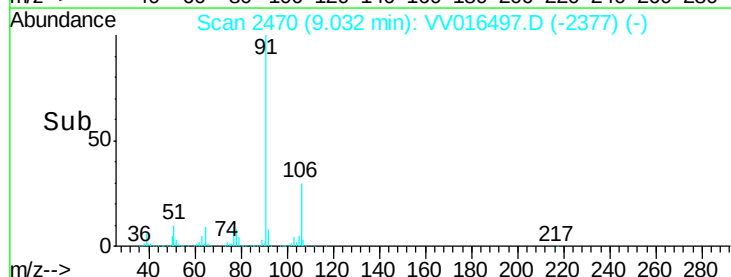
91 100

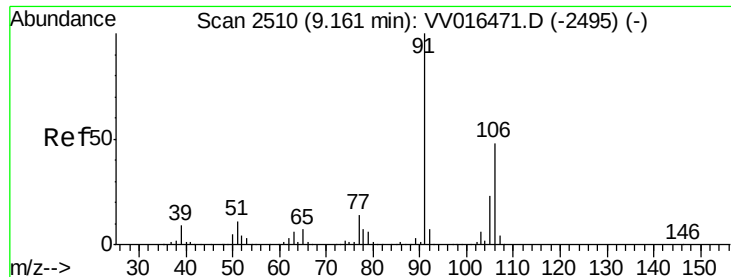
106 30.4 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 55.398 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

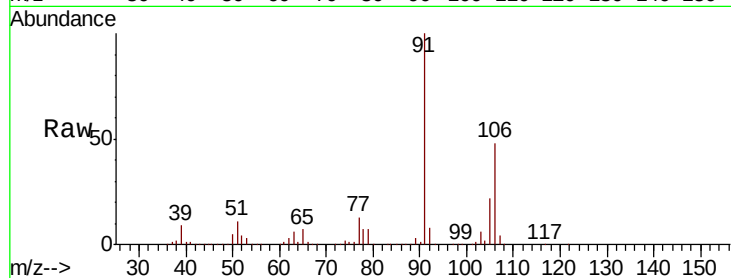
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 246213

Ion Ratio Lower Upper

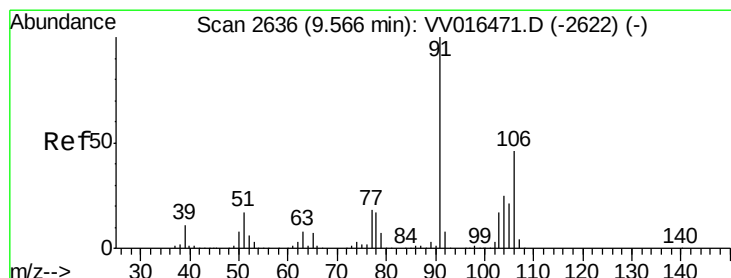
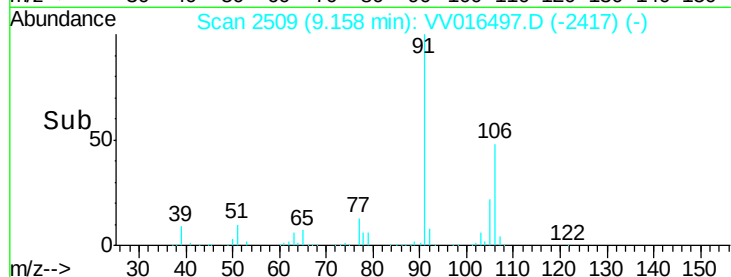
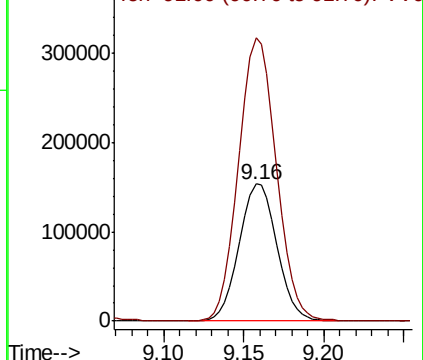
106 100

91 206.7 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 55.084 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016497.D

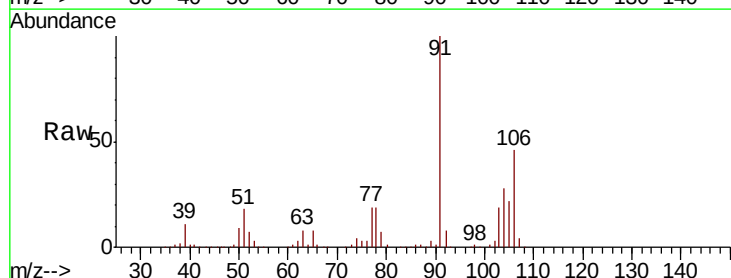
Acq: 04 Jun 2020 09:58

Tgt Ion:106 Resp: 237102

Ion Ratio Lower Upper

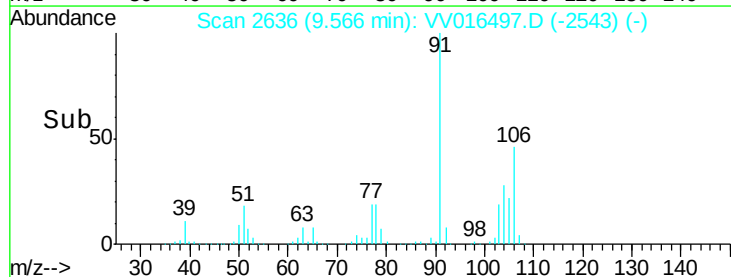
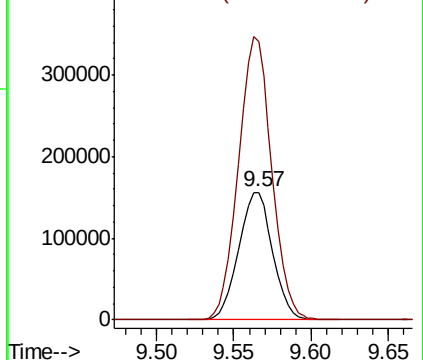
106 100

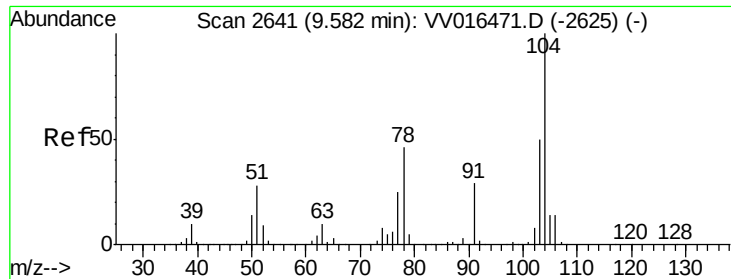
91 217.8 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 54.238 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

Instrument :

MSVOA_V

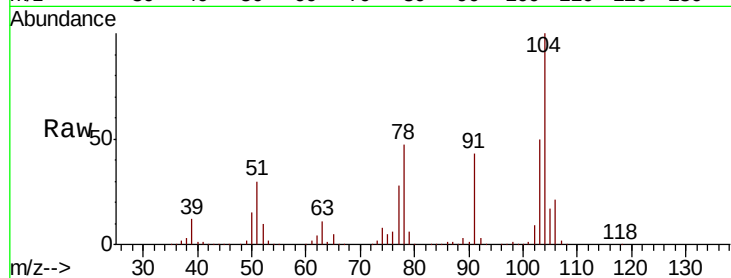
ClientSampleId :

Tot Ion:104 Resp: 408989

Ion Ratio Lower Upper

104 100

78 47.0 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

9.58

250000

200000

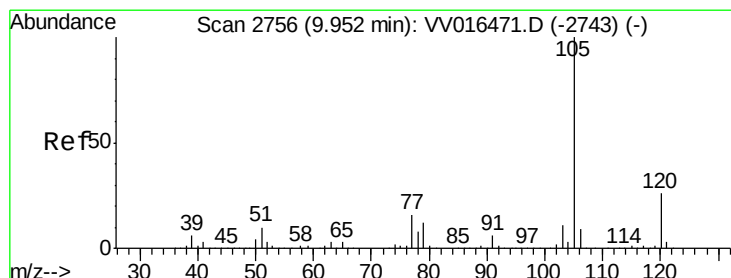
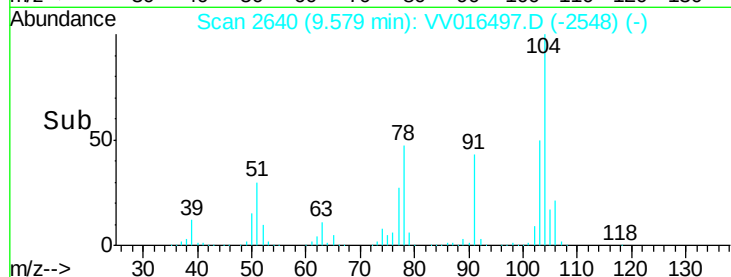
150000

100000

50000

0

Time-->



#56

Isopropylbenzene

Concen: 57.771 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

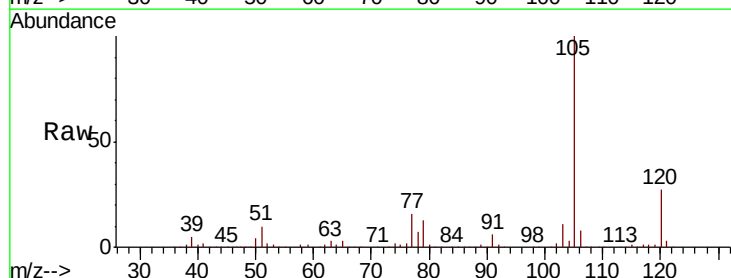
Tgt Ion:105 Resp: 645913

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

77 16.0 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

9.95

500000

400000

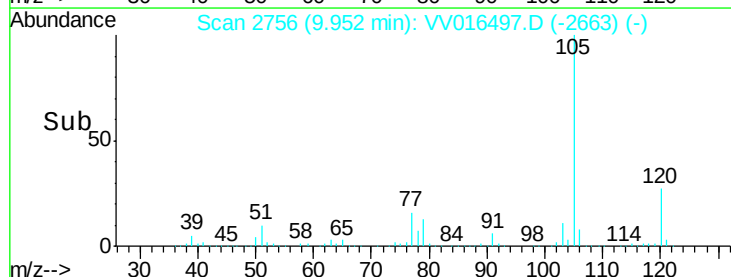
300000

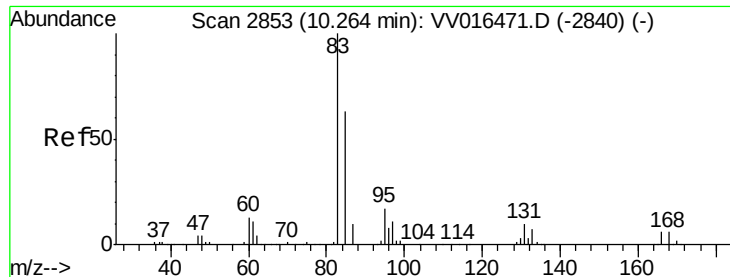
200000

100000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 51.601 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

Instrument :

MSVOA_V

ClientSampleId :

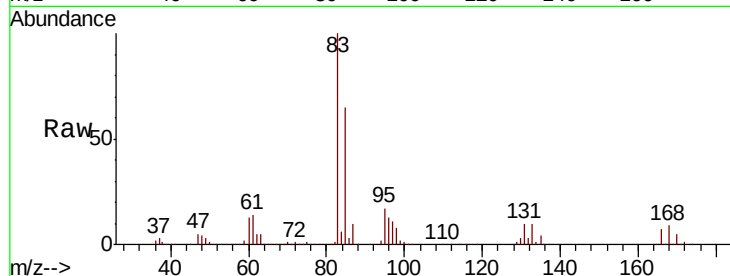
Tot Ion: 83 Resp: 213214

Ion Ratio Lower Upper

83 100

85 65.4 44.0 81.6

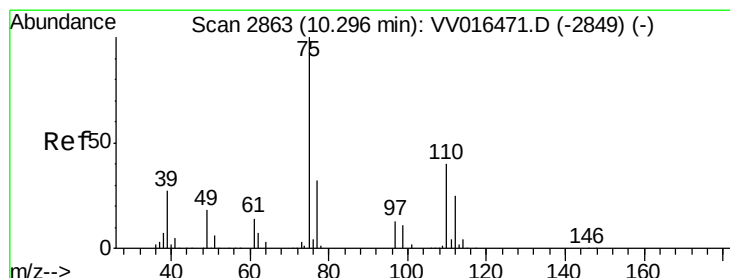
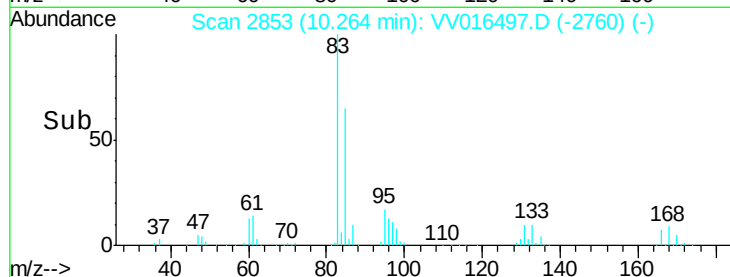
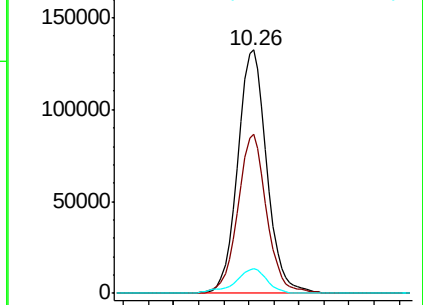
131 10.2 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): VV0



#59

1,2,3-Trichloropropane

Concen: 51.495 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016497.D

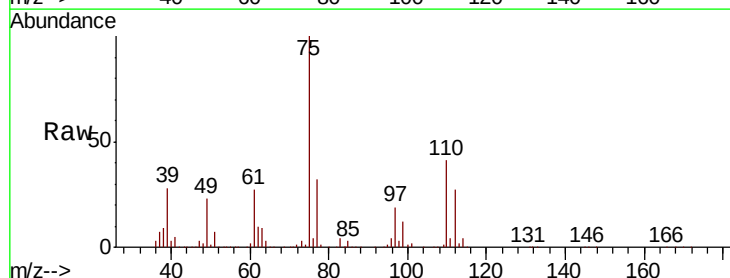
Acq: 04 Jun 2020 09:58

Tgt Ion: 75 Resp: 171177

Ion Ratio Lower Upper

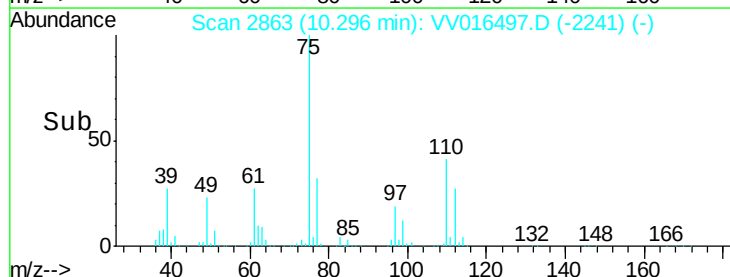
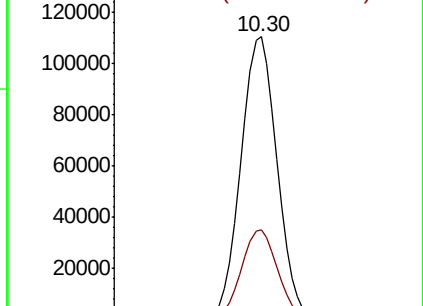
75 100

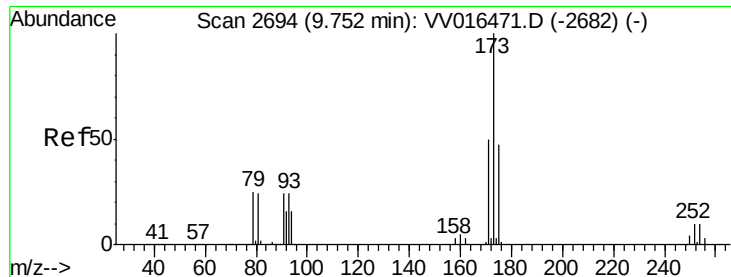
77 32.2 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#61

Bromoform

Concen: 57.820 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

Instrument :
MSVOA_V
ClientSampleId :

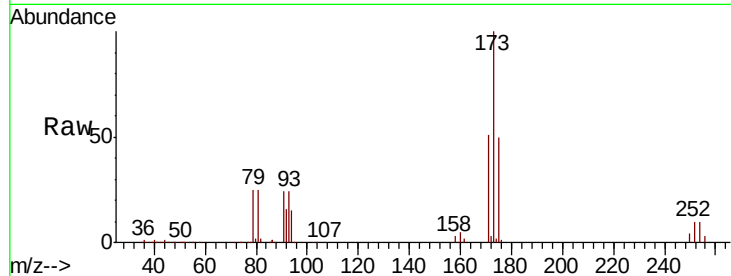
Tot Ion:173 Resp: 87169

Ion Ratio Lower Upper

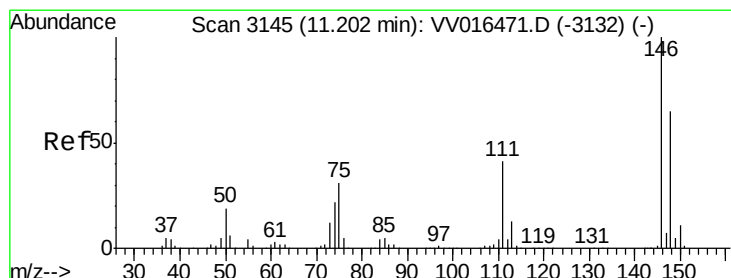
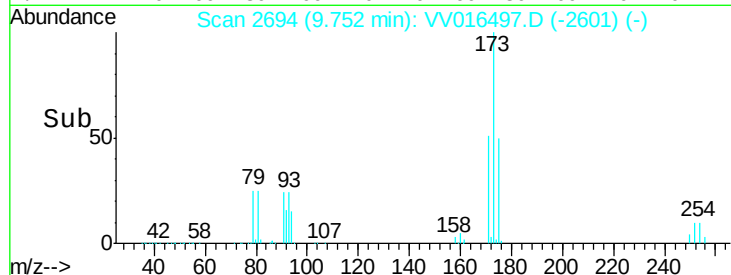
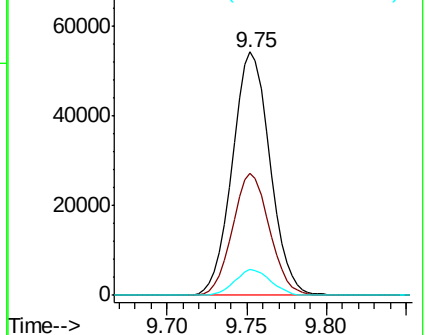
173 100

175 48.9 38.8 58.2

254 10.0 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



#62

1,3-Dichlorobenzene

Concen: 53.814 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016497.D

Acq: 04 Jun 2020 09:58

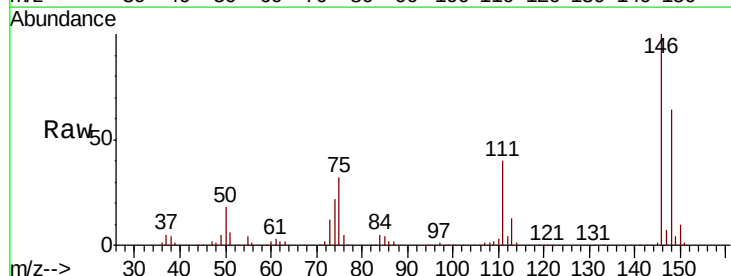
Tgt Ion:146 Resp: 300201

Ion Ratio Lower Upper

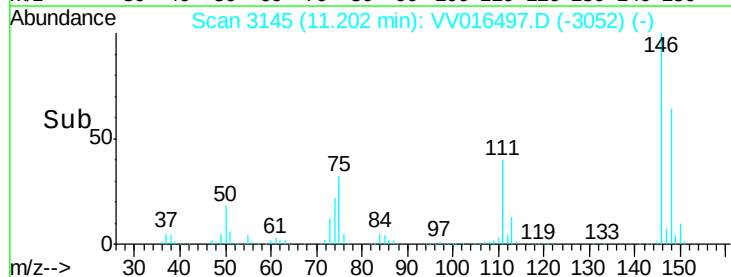
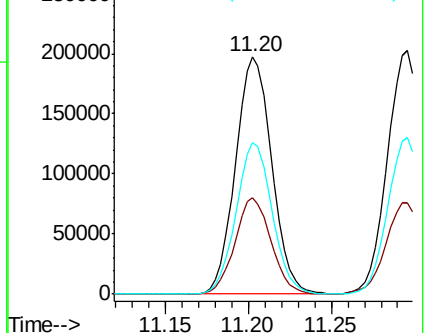
146 100

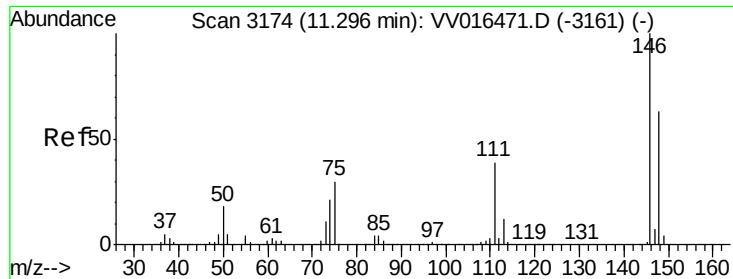
111 40.5 29.8 55.3

148 63.9 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

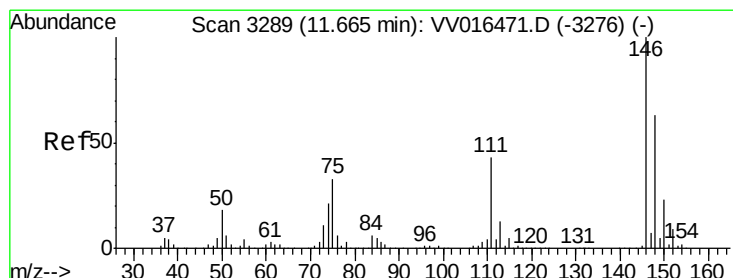
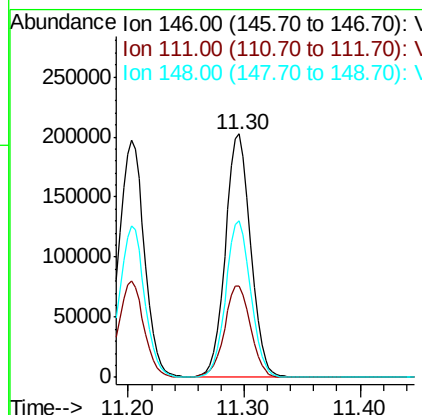
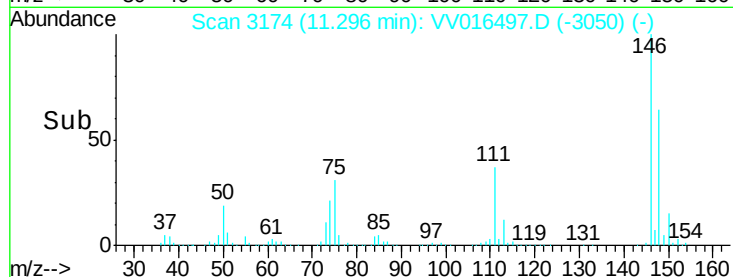
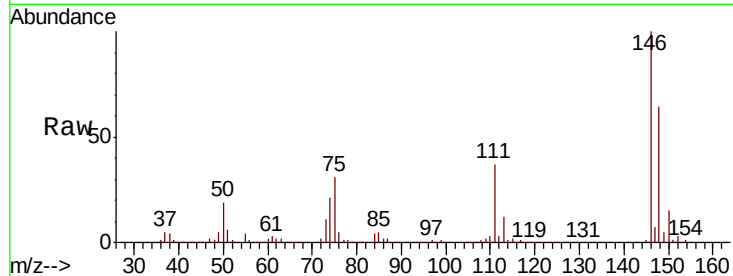




#63
 1,4-Dichlorobenzene
 Concen: 52.881 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016497.D
 Acq: 04 Jun 2020 09:58

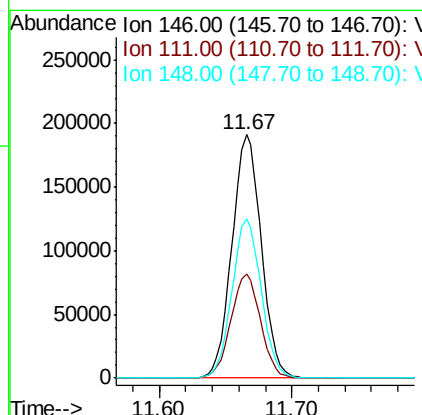
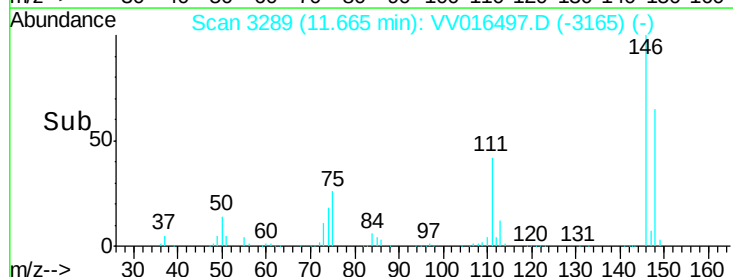
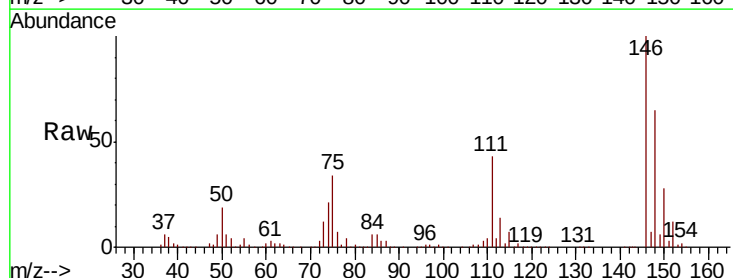
Instrument :
 MSVOA_V
 ClientSampled :

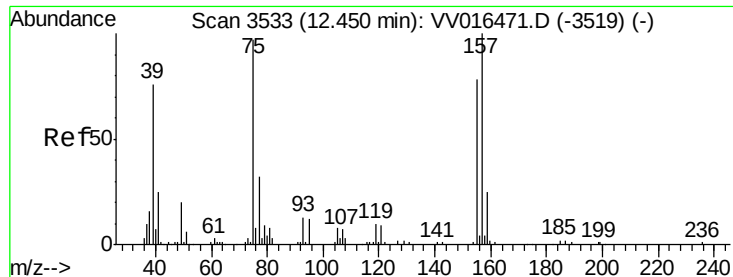
Tot Ion:146 Resp: 306083
 Ion Ratio Lower Upper
 146 100
 111 37.5 27.3 50.7
 148 64.2 44.5 82.7



#65
 1,2-Dichlorobenzene
 Concen: 52.392 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016497.D
 Acq: 04 Jun 2020 09:58

Tgt Ion:146 Resp: 294180
 Ion Ratio Lower Upper
 146 100
 111 42.6 33.6 50.4
 148 65.3 51.5 77.3

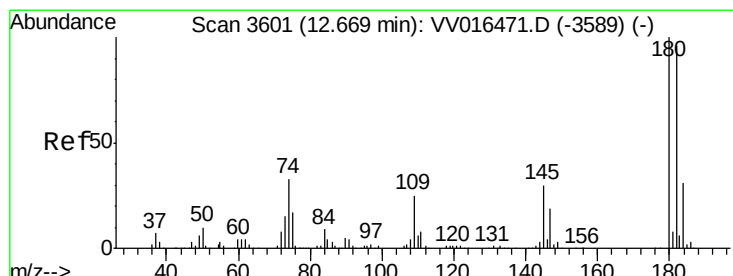
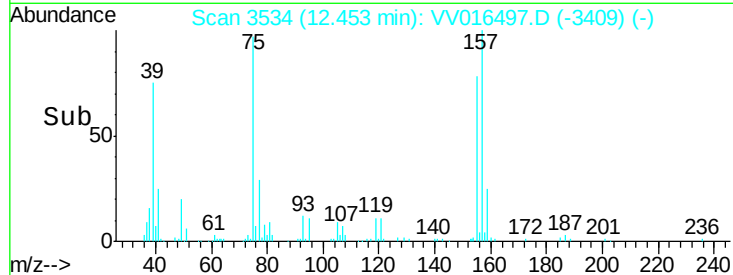
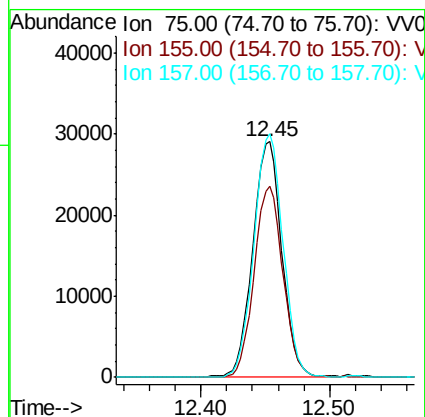
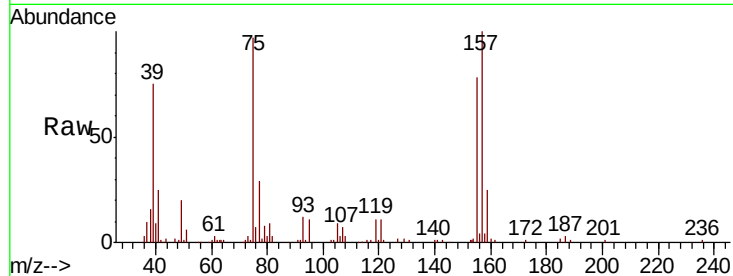




#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.070 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016497.D
 Acq: 04 Jun 2020 09:58

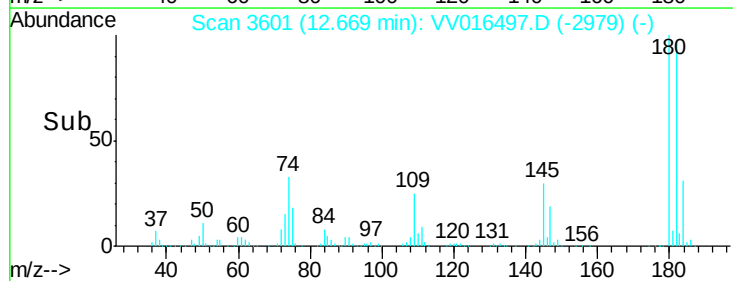
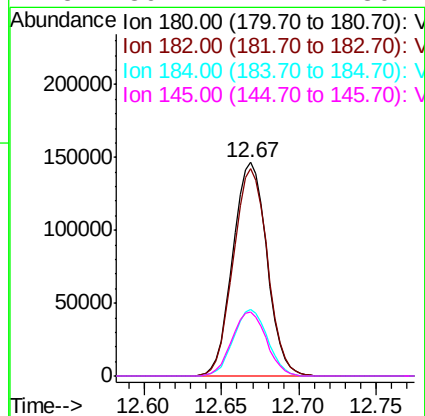
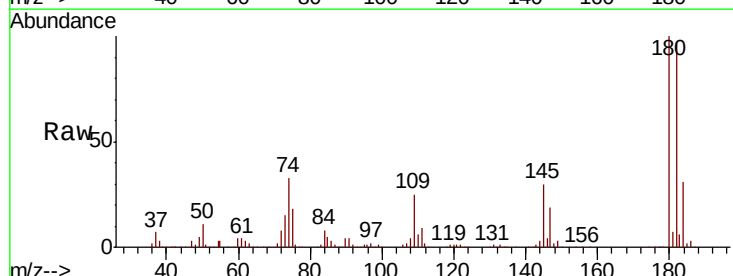
Instrument :
 MSVOA_V
 ClientSampleId :

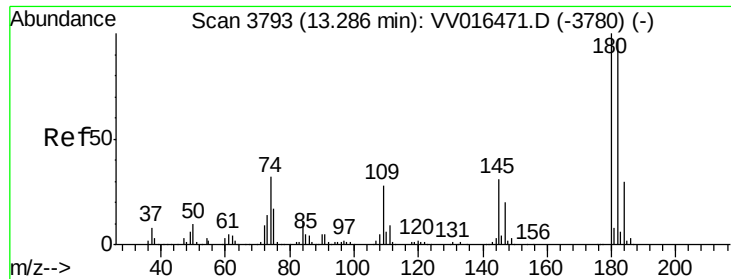
Tot Ion: 75 Resp: 46074
 Ion Ratio Lower Upper
 75 100
 155 80.9 66.2 99.2
 157 103.2 83.0 124.4



#67
 1,3,5-Trichlorobenzene
 Concen: 59.767 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016497.D
 Acq: 04 Jun 2020 09:58

Tgt Ion: 180 Resp: 224309
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.8 113.8
 184 30.9 24.4 36.6
 145 30.2 24.2 36.2

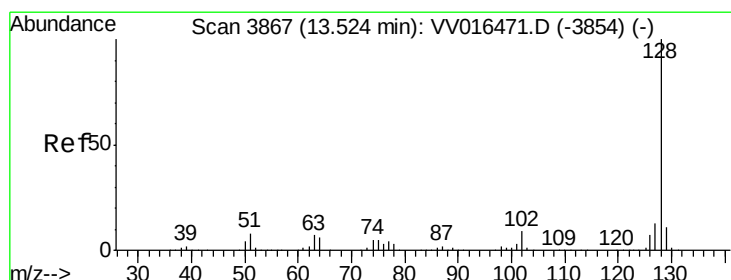
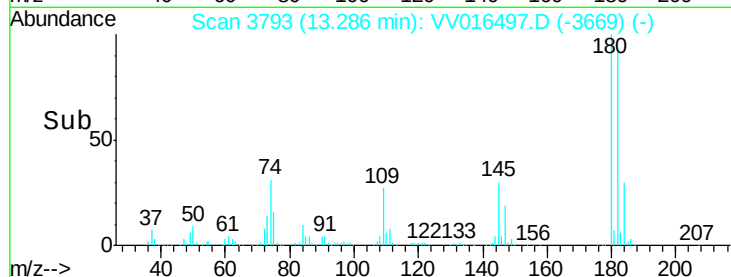
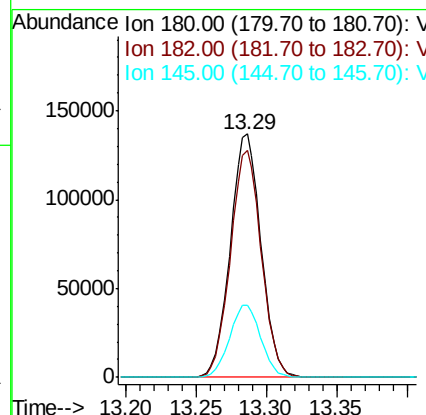
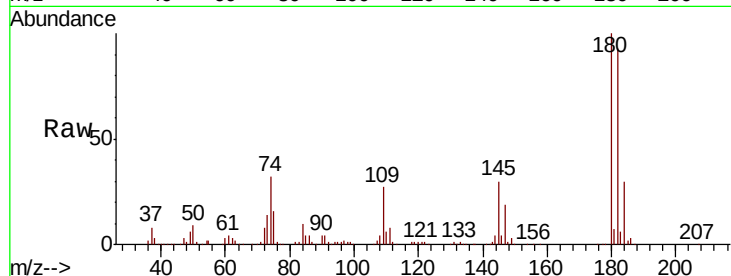




#68
1,2,4-trichlorobenzene
Concen: 59.886 ug/L
RT: 13.29 min Scan# 3793
Delta R.T. 0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

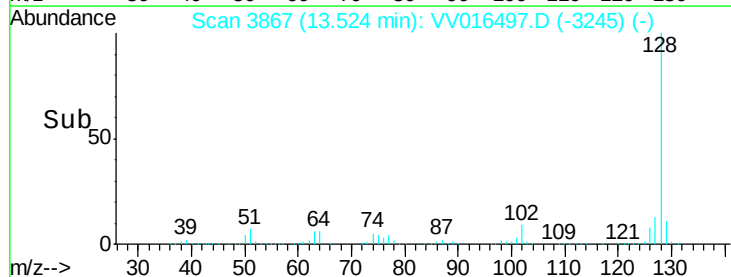
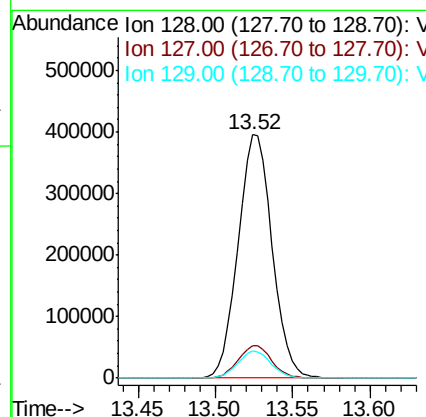
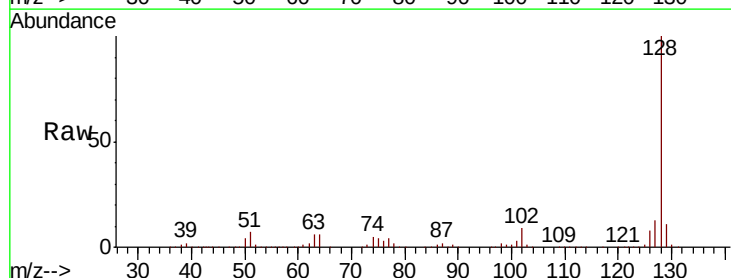
Instrument :
MSVOA_V
ClientSampleId :

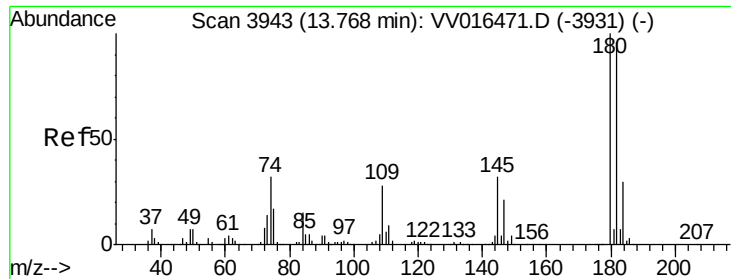
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	74.6	111.8
145	30.1	24.5	36.7



#69
Naphthalene
Concen: 56.623 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. 0.00 min
Lab File: VV016497.D
Acq: 04 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.7	8.7	13.1





#70
 1,2,3-Trichlorobenzene
 Concen: 60.600 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016497.D
 Acq: 04 Jun 2020 09:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	200156
Ion Ratio	Lower	Upper	
180	100		
182	94.9	76.0	114.0
145	33.7	26.5	39.7

