

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052220\
 Data File : VV016189.D
 Acq On : 22 May 2020 23:09
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 23 05:13:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 23 05:08:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	165529	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	153825	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	76614	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51869	5.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.60%
7) Chloroethane-d5	1.58	69	44319	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.13	63	105960	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.80%
20) 2-Butanone-d5	3.95	46	105479	41.18	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.36%
24) Chloroform-d	4.38	84	92144	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.06	65	47538	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
32) Benzene-d6	5.08	84	192495	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.10	67	57351	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.34	98	183536	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
45) trans-1,3-Dichloropropene-	7.65	79	20287	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
48) 2-Hexanone-d5	8.12	63	88460	45.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.84%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37304	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	62889	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	71482	5.636	ug/L	99
3) Chloromethane	1.25	50	77160	6.009	ug/L	99
5) Vinyl chloride	1.32	62	68580	5.585	ug/L	99
6) Bromomethane	1.53	94	33021	4.738	ug/L	97
8) Chloroethane	1.60	64	39854	4.555	ug/L	98
9) Trichlorofluoromethane	1.77	101	86347	5.127	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52785	5.548	ug/L	98
12) 1,1-Dichloroethene	2.14	96	51111	5.611	ug/L	84
13) Acetone	2.25	43	64043	37.900	ug/L	96
14) Carbon disulfide	2.31	76	152490	5.070	ug/L	99
15) Methyl Acetate	2.47	43	19753	5.059	ug/L #	90
16) Methylene chloride	2.53	84	56623	5.195	ug/L	96
17) Methyl tert-butyl Ether	2.79	73	113401	4.791	ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	54532	5.417	ug/L	99
19) 1,1-Dichloroethane	3.22	63	100453	5.181	ug/L	99
21) 2-Butanone	4.04	43	116665	45.335	ug/L	81
22) cis-1,2-Dichloroethene	3.94	96	107706	10.220	ug/L	99

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 23 05:13:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 23 05:08:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

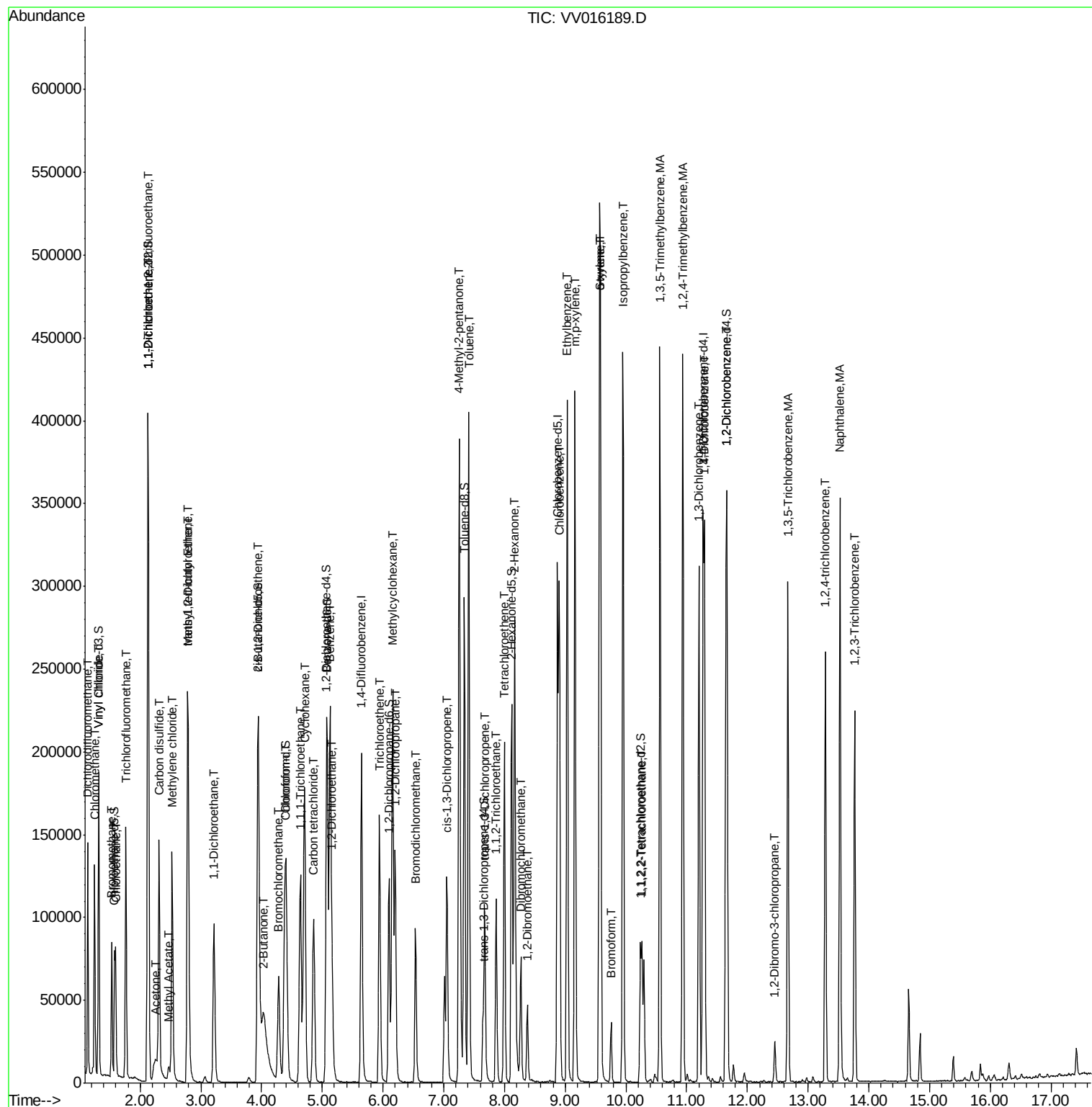
23) Bromochloromethane	4.28	128	21432	4.765	ug/L	98
25) Chloroform	4.41	83	102236	4.788	ug/L	98
27) 1,2-Dichloroethane	5.16	62	59938	4.568	ug/L	100
29) 1,1,1-Trichloroethane	4.64	97	100764	5.940	ug/L	98
30) Cyclohexane	4.71	56	100839	5.932	ug/L	96
31) Carbon tetrachloride	4.86	117	74688	5.102	ug/L	98
33) Benzene	5.13	78	216540	5.595	ug/L	100
34) Trichloroethene	5.94	95	56092	5.078	ug/L	93
35) Methylcyclohexane	6.16	83	96373	5.768	ug/L	98
37) 1,2-Dichloropropane	6.20	63	54800	5.573	ug/L	100
38) Bromodichloromethane	6.54	83	62684	5.020	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	69189	4.979	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	300204	48.985	ug/L	99
42) Toluene	7.41	91	279565	6.815	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	226704	6.020	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	233044	6.193	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	58352	4.971	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	32522	4.953	ug/L	97
49) Tetrachloroethene	8.00	164	43964	5.704	ug/L	97
50) 2-Hexanone	8.17	43	205434	47.402	ug/L	98
51) Dibromochloromethane	8.27	129	35446	4.804	ug/L	98
52) 1,2-Dibromoethane	8.38	107	30666	5.036	ug/L	98
53) Chlorobenzene	8.90	112	147879	5.605	ug/L	98
54) Ethylbenzene	9.04	91	278648	5.974	ug/L	99
55) m,p-xylene	9.16	106	111001	6.427	ug/L	97
56) o-xylene	9.57	106	101754	6.162	ug/L	96
57) Styrene	9.58	104	164469	5.955	ug/L	97
58) Isopropylbenzene	9.95	105	269726	5.945	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	38416	5.475	ug/L	100
62) Bromoform	9.76	173	16296	4.630	ug/L	96
63) 1,3-Dichlorobenzene	11.20	146	116656	5.652	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	117422	5.662	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	104268	5.581	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	6011	4.930	ug/L	95
68) 1,3,5-Trichlorobenzene	12.67	180	84524	5.601	ug/L	98
69) 1,2,4-trichlorobenzene	13.28	180	72283	5.574	ug/L	99
70) Naphthalene	13.52	128	264971	12.848	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	62261	5.443	ug/L	100

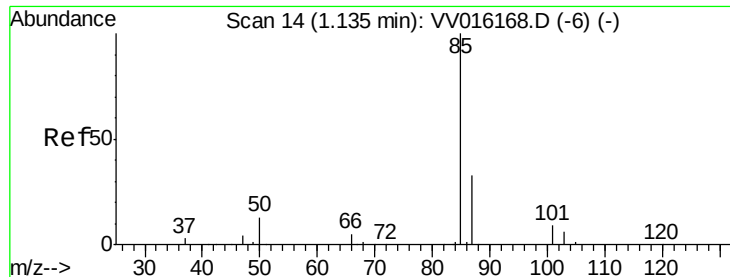
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.636 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

Instrument :

MSVOA_V

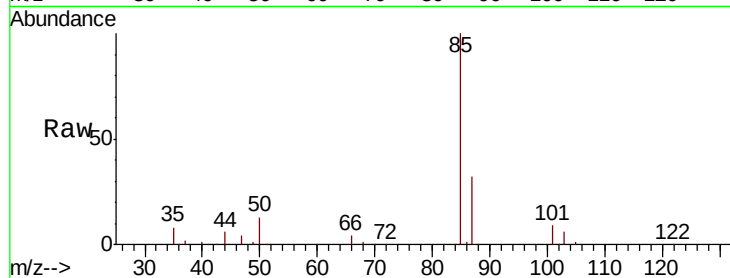
ClientSampleId :

Tot Ion: 85 Resp: 71482

Ion Ratio Lower Upper

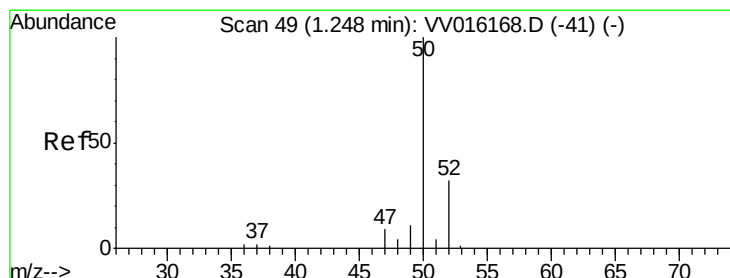
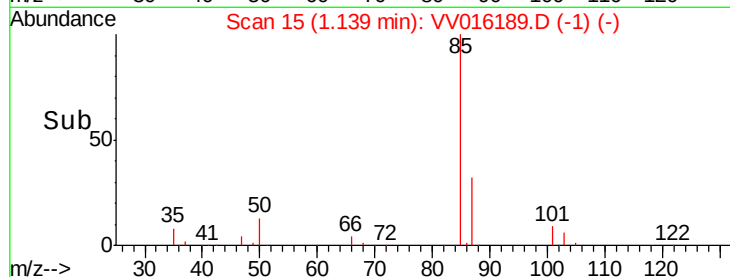
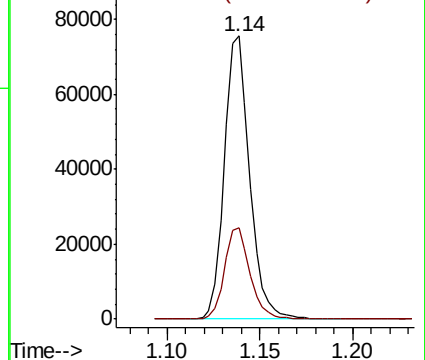
85 100

87 32.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 6.009 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016189.D

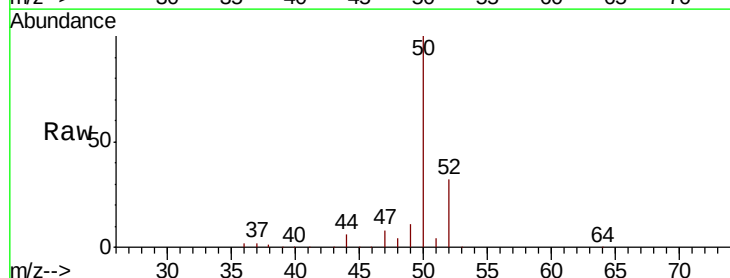
Acq: 22 May 2020 23:09

Tgt Ion: 50 Resp: 77160

Ion Ratio Lower Upper

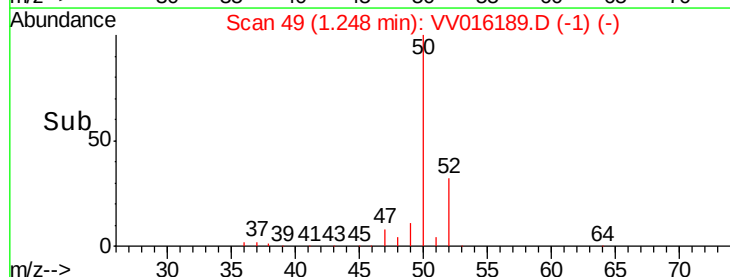
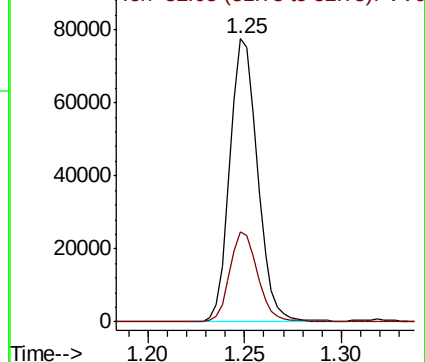
50 100

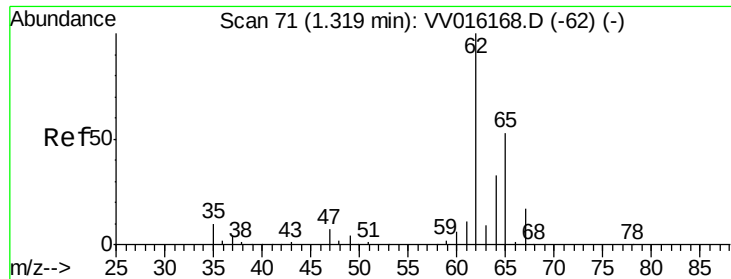
52 31.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.585 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

Instrument :

MSVOA_V

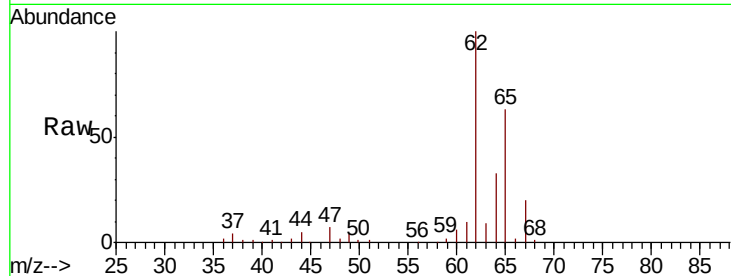
ClientSampleId :

Tot Ion: 62 Resp: 68580

Ion Ratio Lower Upper

62 100

64 32.7 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV016189.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV016189.D (-62) (-)

1.32

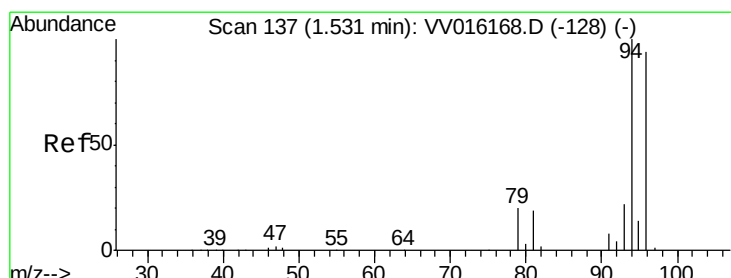
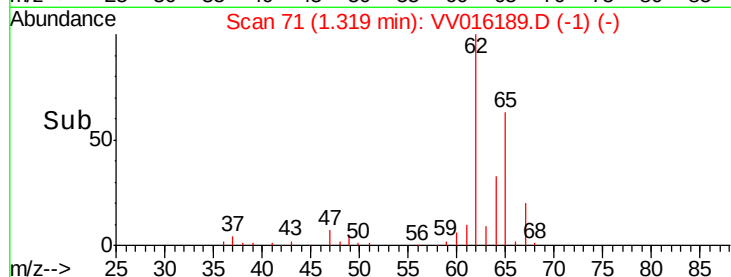
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 4.738 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016189.D

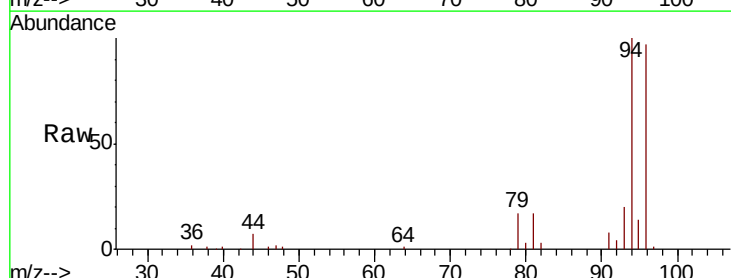
Acq: 22 May 2020 23:09

Tgt Ion: 94 Resp: 33021

Ion Ratio Lower Upper

94 100

96 96.6 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV016189.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV016189.D (-128) (-)

1.53

30000

25000

20000

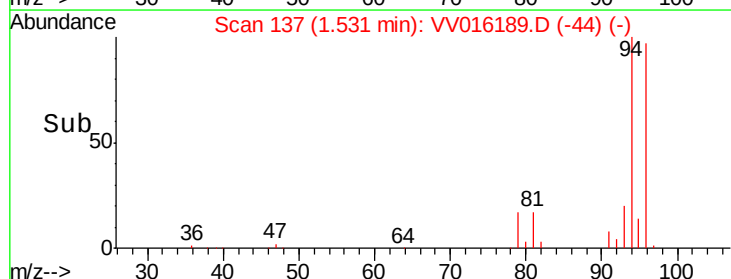
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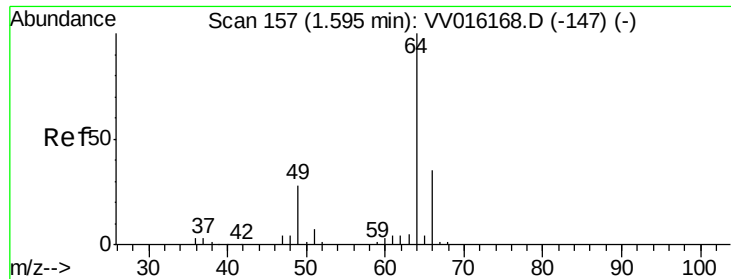
10000

5000

0

Time-->

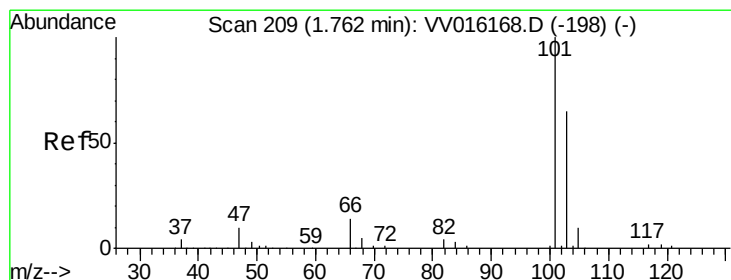
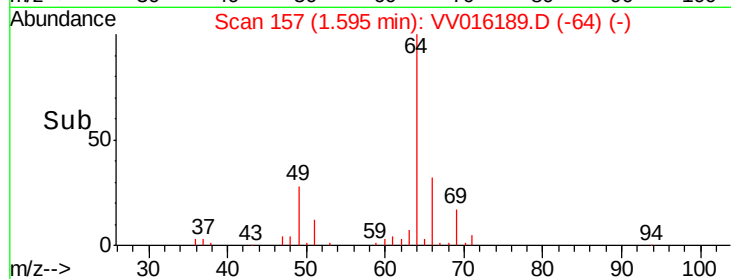
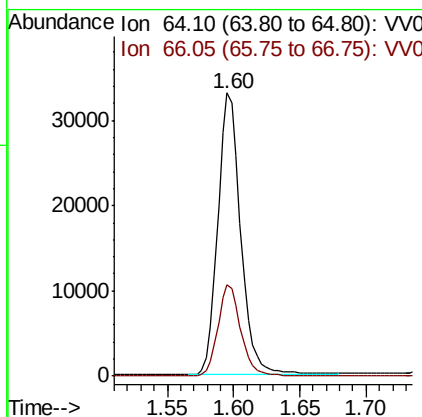
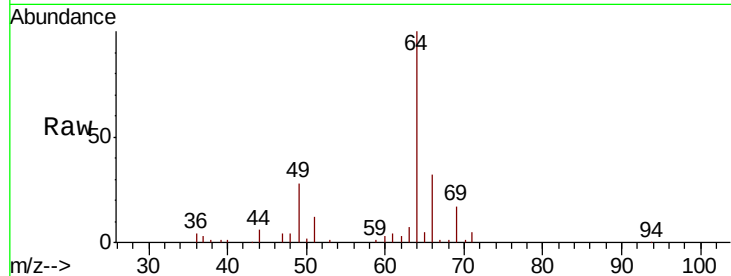




#8
Chloroethane
Concen: 4.555 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

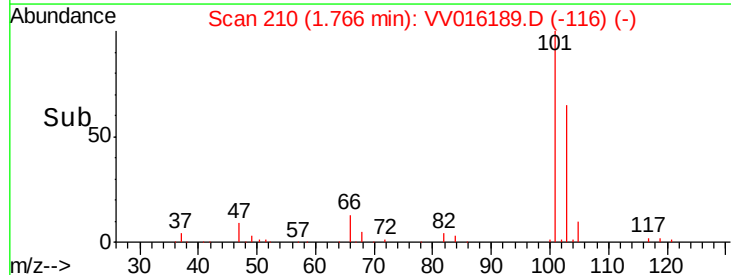
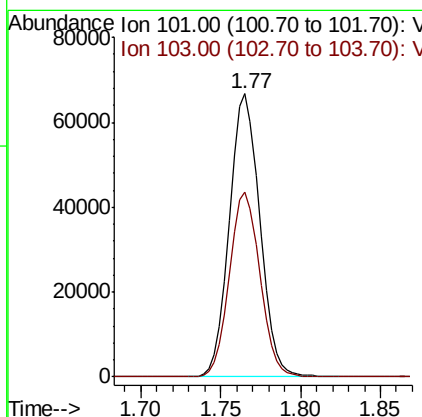
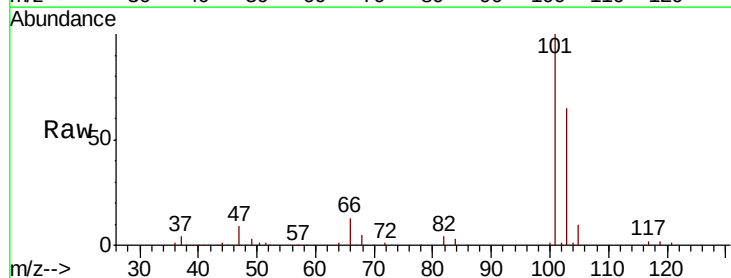
Instrument :
MSVOA_V
ClientSampleId :

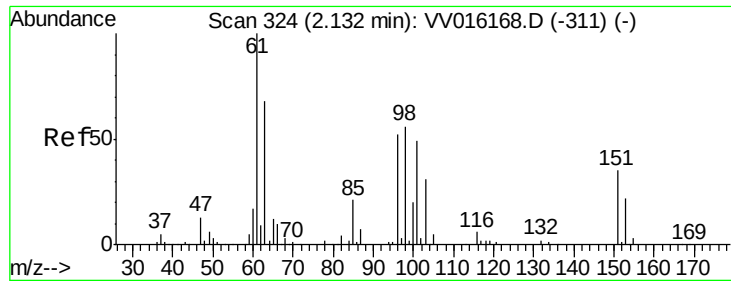
Tot Ion: 64 Resp: 39854
Ion Ratio Lower Upper
64 100
66 32.3 23.6 43.8



#9
Trichlorofluoromethane
Concen: 5.127 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Tgt Ion:101 Resp: 86347
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.2





#10

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

Concen: 5.548 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

Instrument :

MSVOA_V

ClientSampleId :

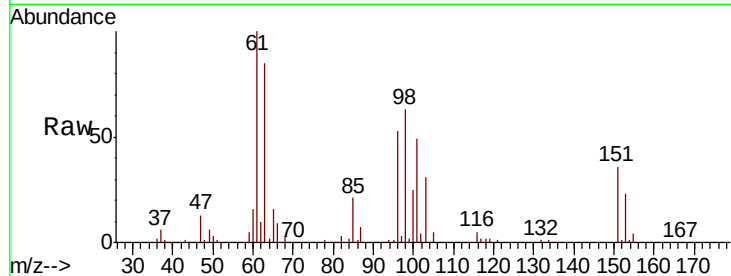
Tot Ion:101 Resp: 52785

Ion Ratio Lower Upper

101 100

85 42.6 35.7 53.5

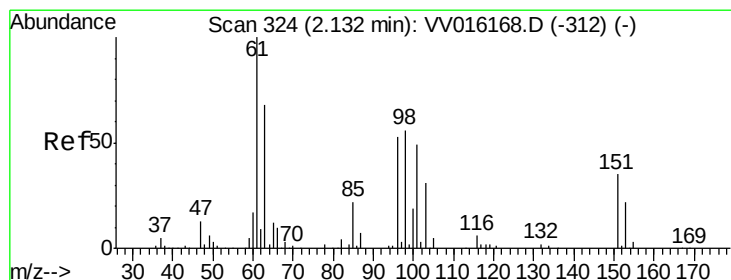
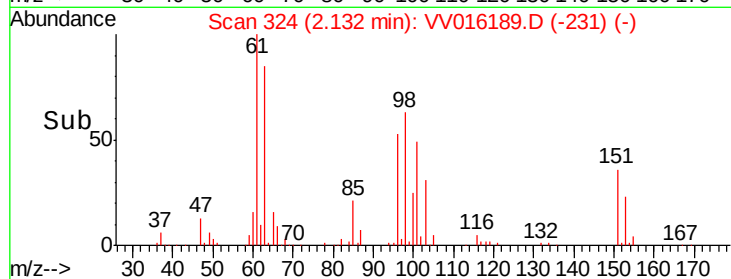
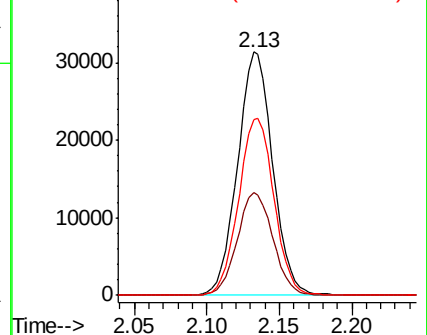
151 73.2 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.611 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

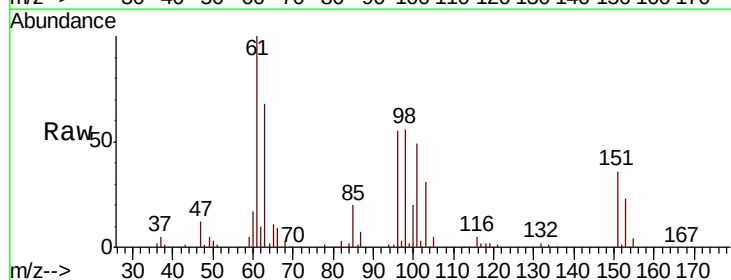
Tgt Ion: 96 Resp: 51111

Ion Ratio Lower Upper

96 100

61 182.2 139.9 259.7

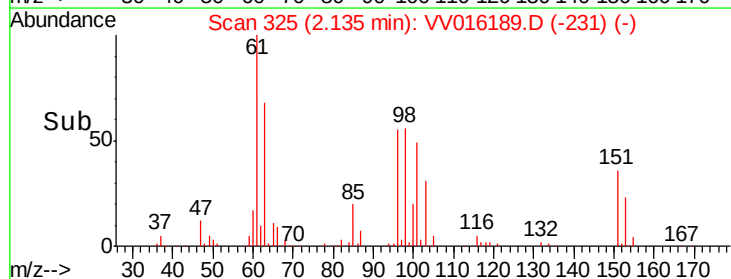
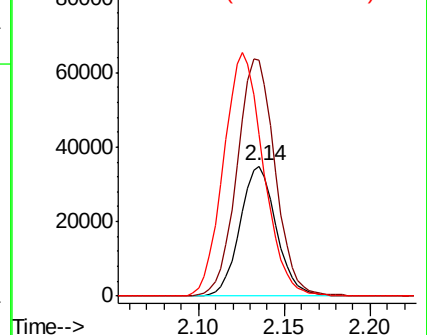
63 124.7 106.4 197.6

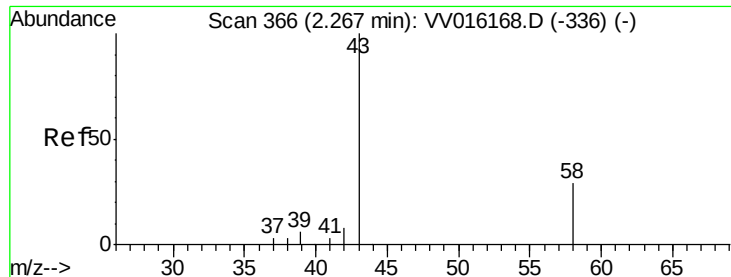


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 37.900 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.01 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

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MSVOA_V

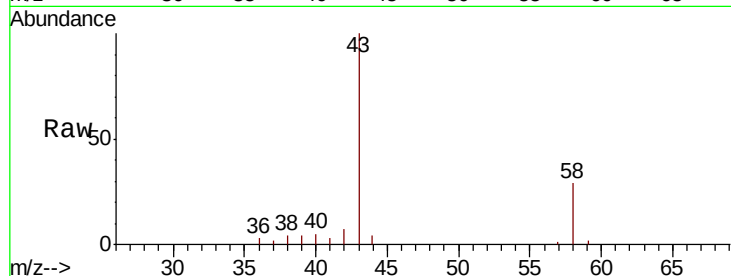
ClientSampleId :

Tot Ion: 43 Resp: 64043

Ion Ratio Lower Upper

43 100

58 16.9 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016189.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV016189.D (-336) (-)

2.25

10000

8000

6000

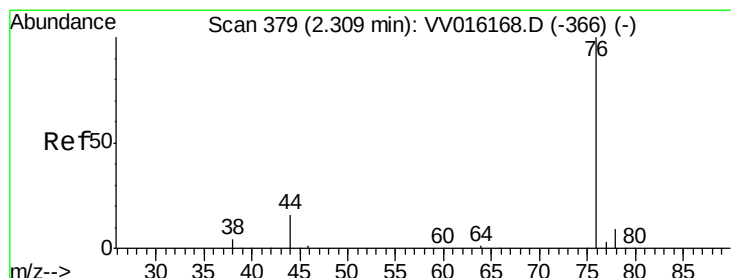
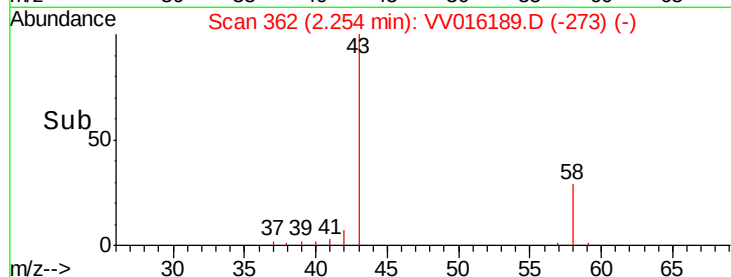
4000

2000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.070 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016189.D

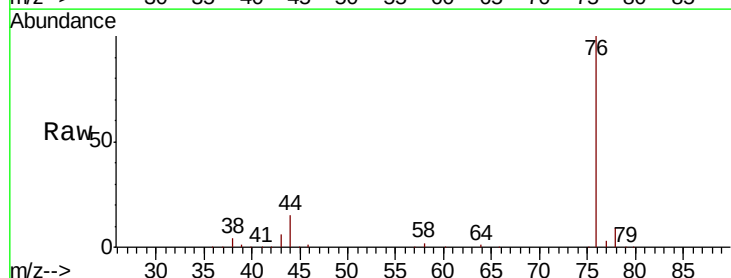
Acq: 22 May 2020 23:09

Tgt Ion: 76 Resp: 152490

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV016189.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV016189.D (-366) (-)

120000

100000

80000

60000

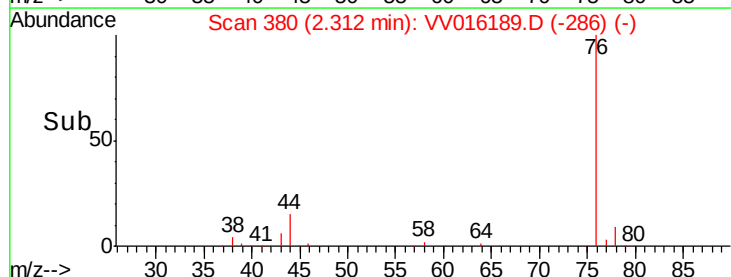
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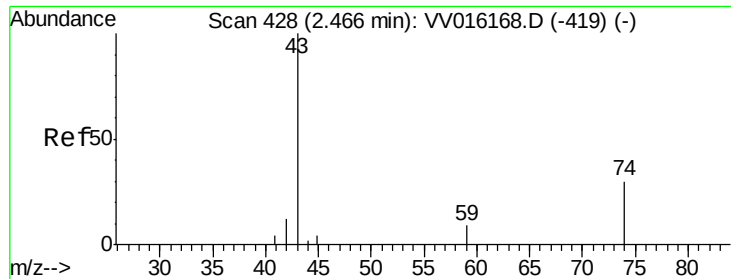
20000

0

Time-->

2.25 2.30 2.35 2.40

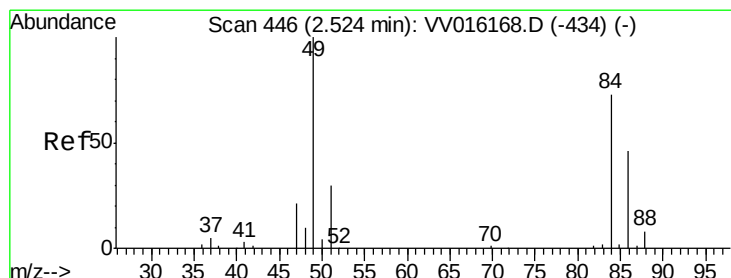
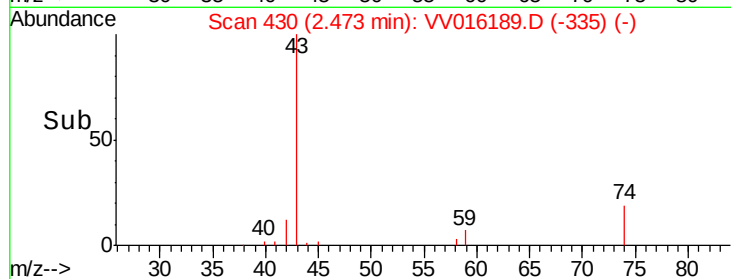
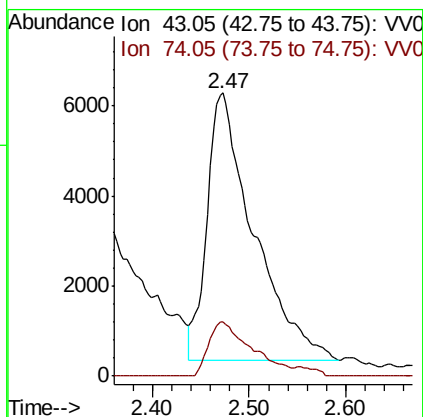
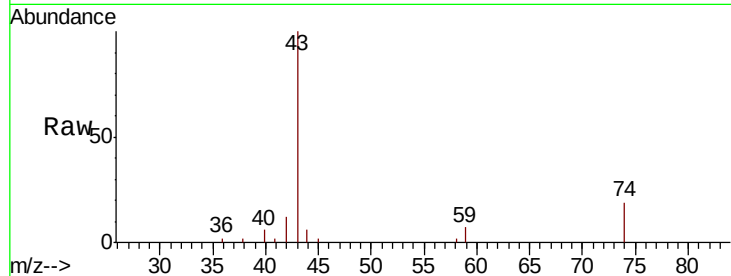




#15
Methyl Acetate
Concen: 5.059 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

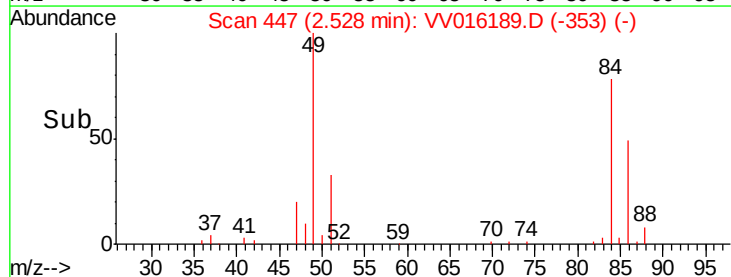
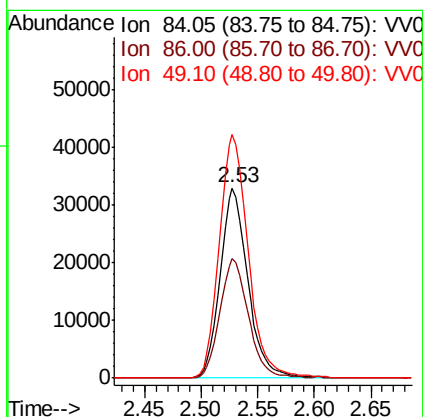
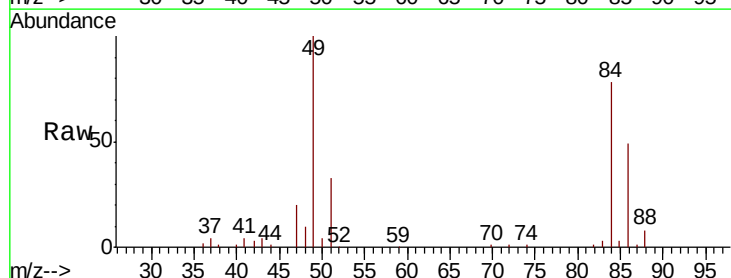
Instrument :
MSVOA_V
ClientSampleId :

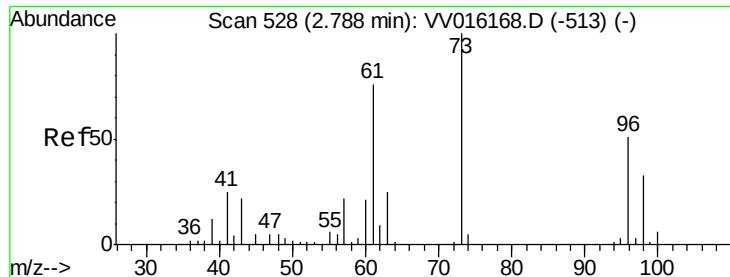
Tot Ion: 43 Resp: 19753
Ion Ratio Lower Upper
43 100
74 19.1 19.2 28.8#



#16
Methylene chloride
Concen: 5.195 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Tgt Ion: 84 Resp: 56623
Ion Ratio Lower Upper
84 100
86 62.4 45.6 84.8
49 127.8 93.6 173.8

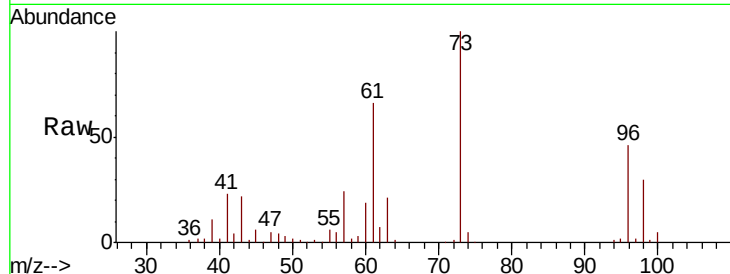




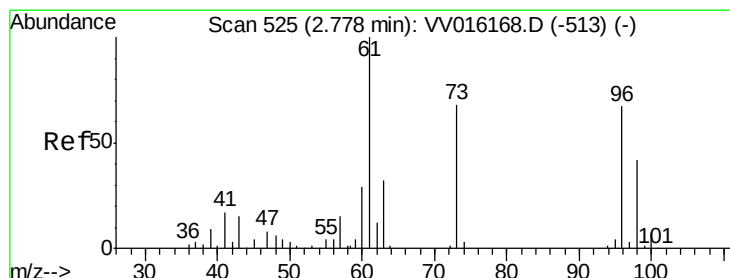
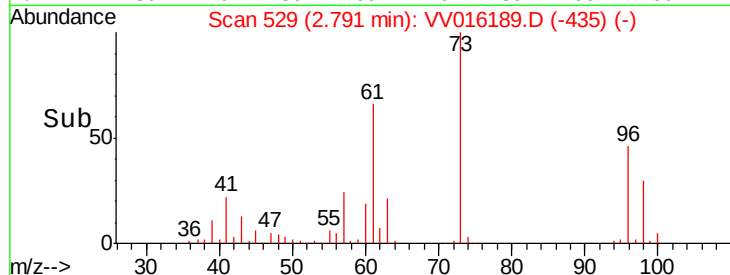
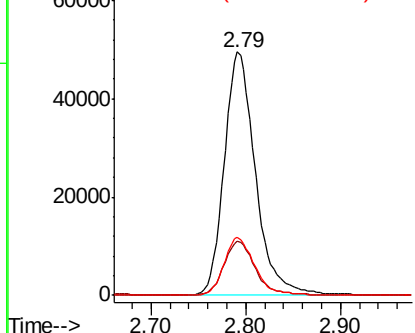
#17
Methyl tert-butyl Ether
Concen: 4.791 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 113401
Ion Ratio Lower Upper
73 100
43 21.8 18.8 28.2
57 23.5 17.8 26.6

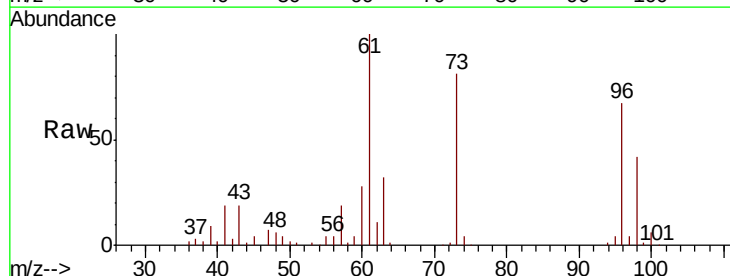


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

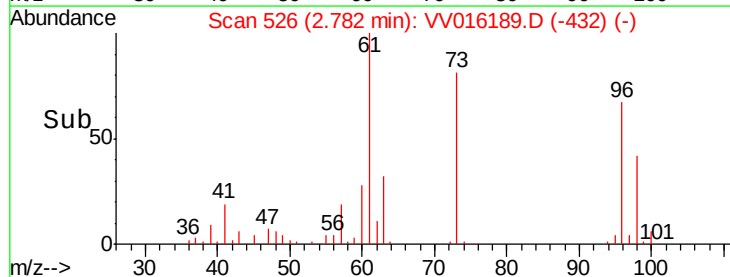
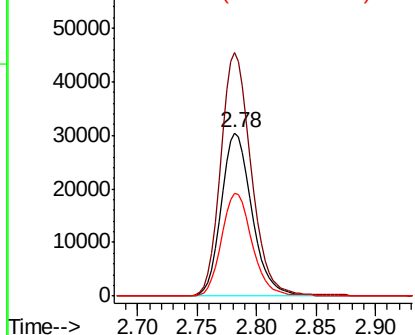


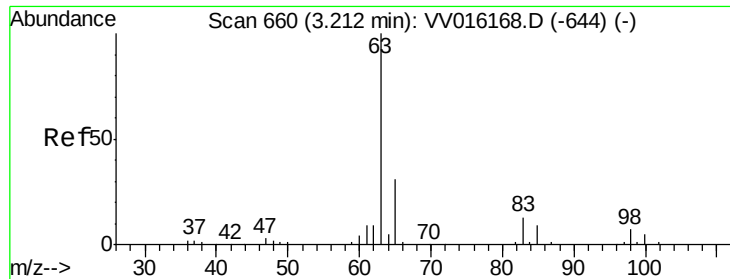
#18
trans-1,2-Dichloroethene
Concen: 5.417 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Tgt Ion: 96 Resp: 54532
Ion Ratio Lower Upper
96 100
61 149.4 105.3 195.5
98 62.7 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

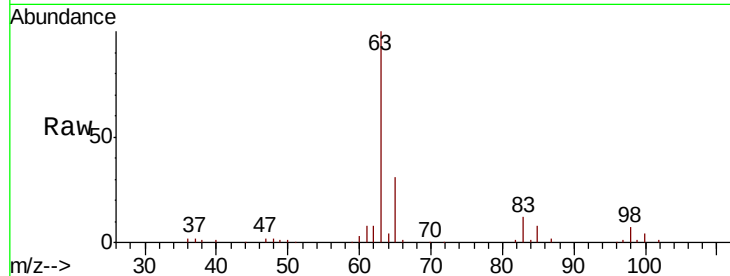




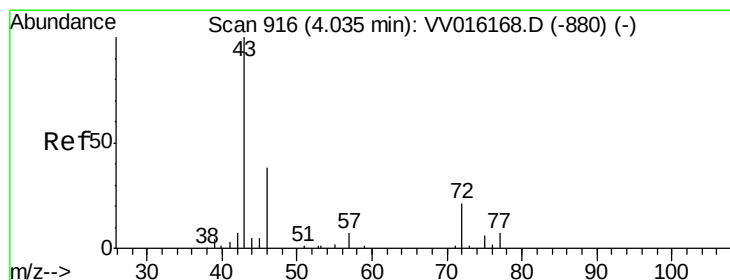
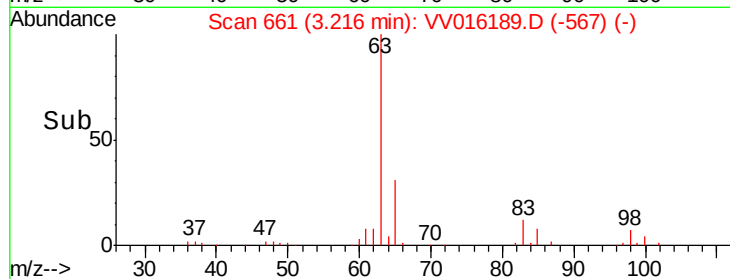
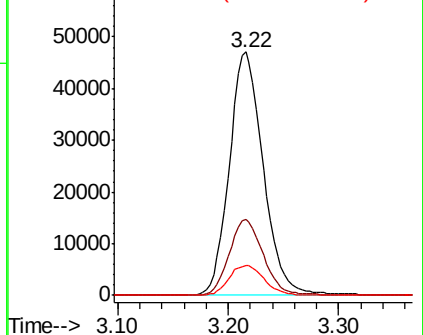
#19
 1,1-Dichloroethane
 Concen: 5.181 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 100453
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.0 41.0
 83 12.4 9.8 18.2

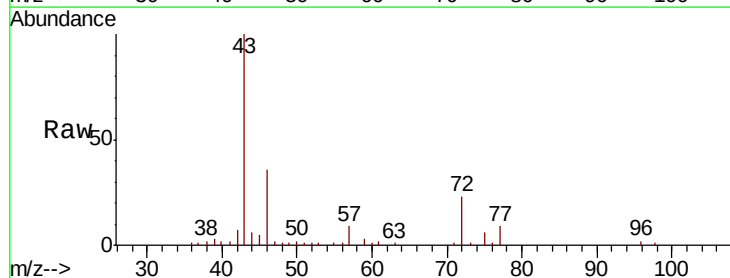


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

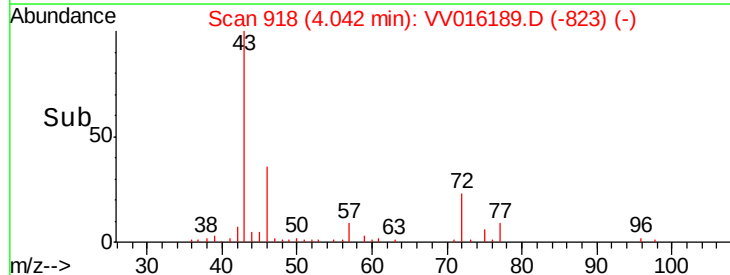
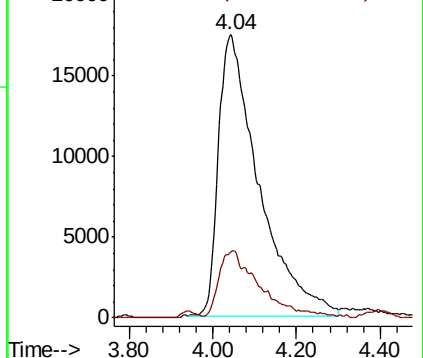


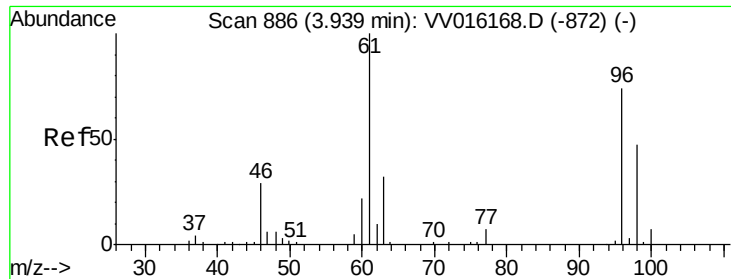
#21
 2-Butanone
 Concen: 45.335 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Tgt Ion: 43 Resp: 116665
 Ion Ratio Lower Upper
 43 100
 72 12.0 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



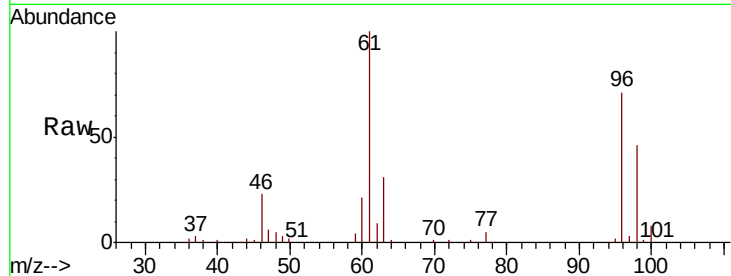


#22

cis-1,2-Dichloroethene
Concen: 10.220 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.6	97.2	180.6
68	0.0	0.0	0.0

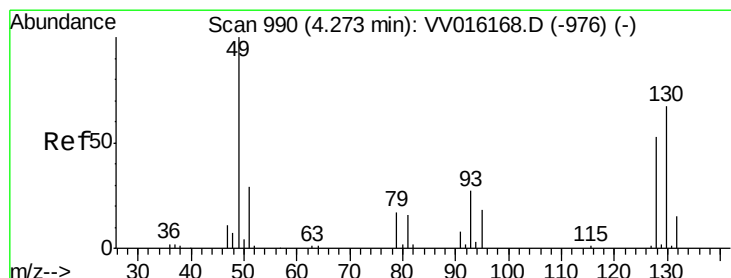
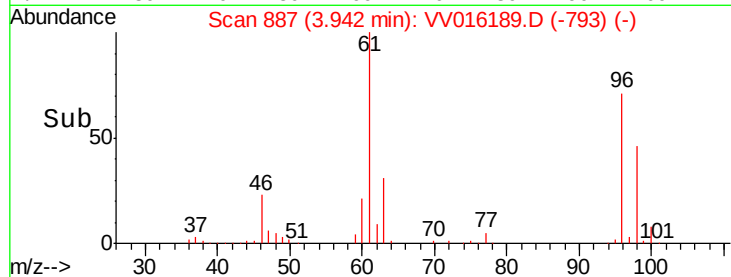
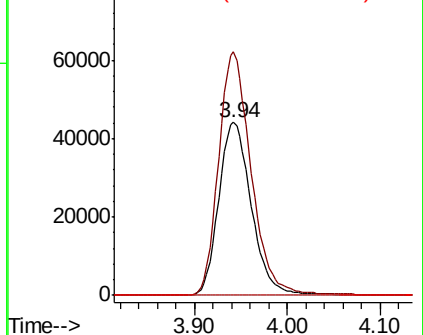


Abundance

Ion 96.00 (95.70 to 96.70): VV016189.D (-872) (-)

Ion 61.05 (60.75 to 61.75): VV016189.D (-872) (-)

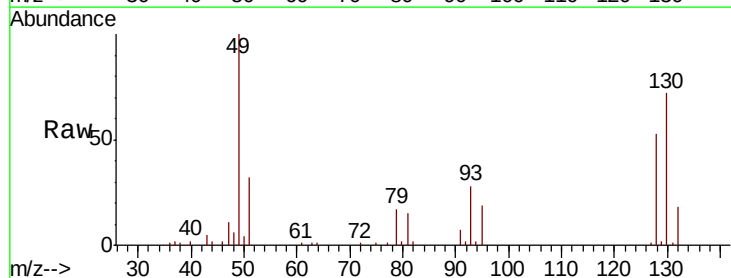
Ion 68.15 (67.85 to 68.85): VV016189.D (-872) (-)



#23

Bromochloromethane
Concen: 4.765 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.01 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Tgt Ion	Ratio	Lower	Upper
128	100		
49	189.7	131.3	243.8
130	136.0	91.8	170.4
51	60.8	48.8	73.2



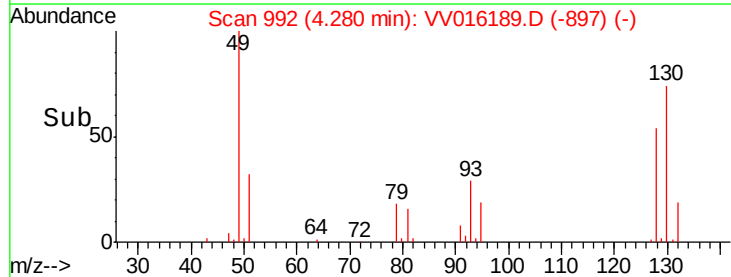
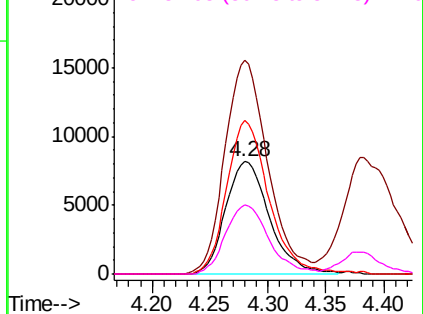
Abundance

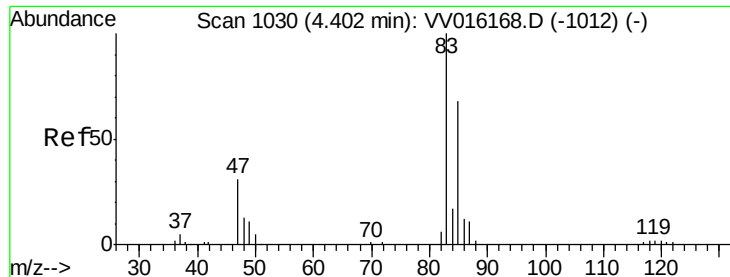
Ion 127.90 (127.60 to 128.60): VV016189.D (-897) (-)

Ion 49.10 (48.80 to 49.80): VV016189.D (-897) (-)

Ion 129.95 (129.65 to 130.65): VV016189.D (-897) (-)

Ion 51.05 (50.75 to 51.75): VV016189.D (-897) (-)

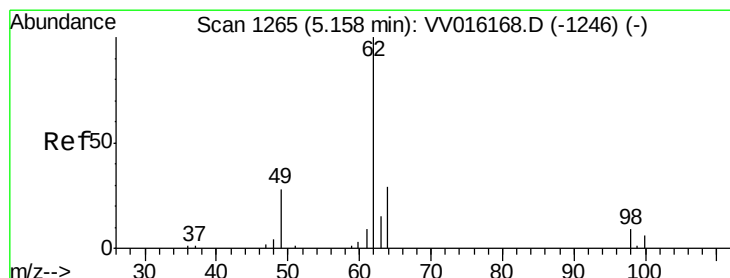
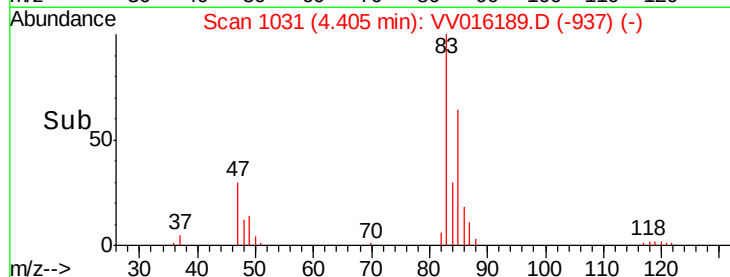
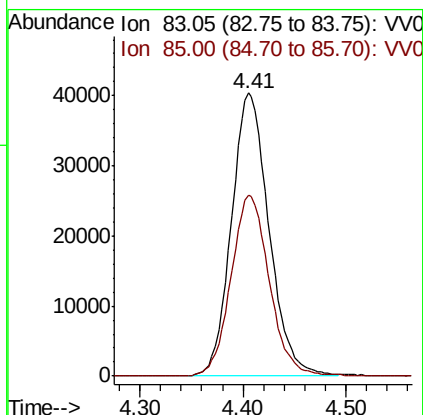
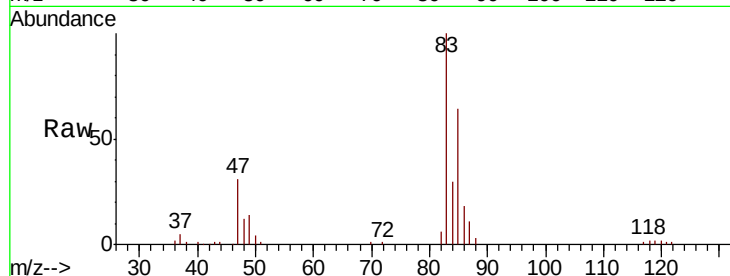




#25
Chloroform
Concen: 4.788 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

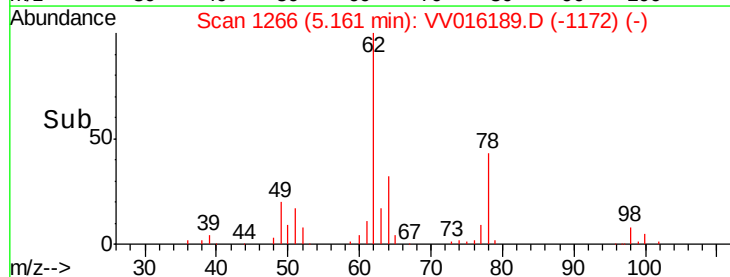
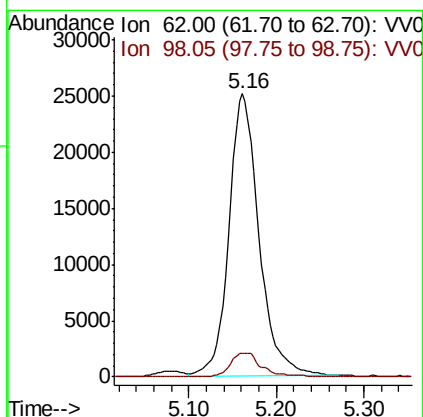
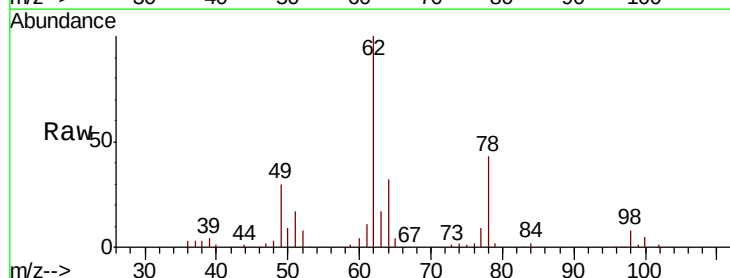
Instrument :
MSVOA_V
ClientSampleId :

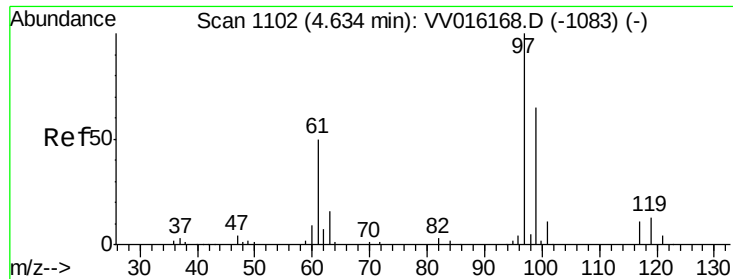
Tot Ion: 83 Resp: 102236
Ion Ratio Lower Upper
83 100
85 64.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.568 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Tgt Ion: 62 Resp: 59938
Ion Ratio Lower Upper
62 100
98 8.3 6.7 10.1

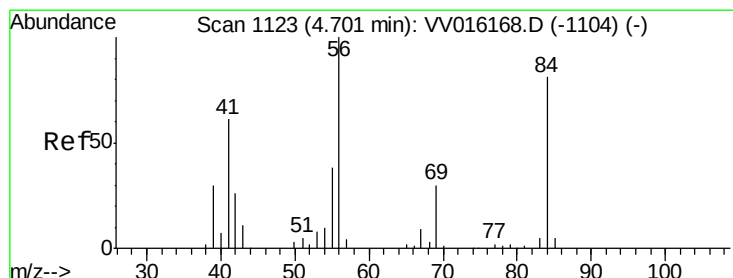
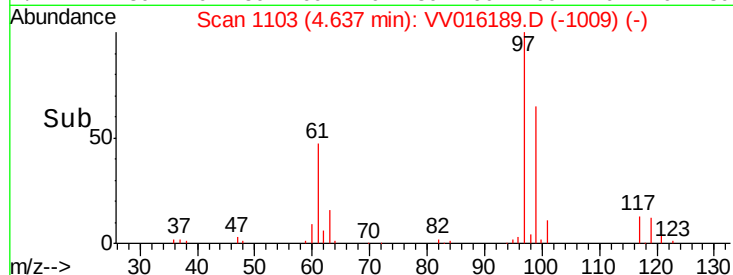
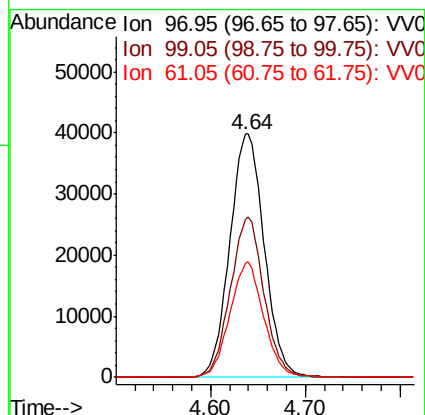
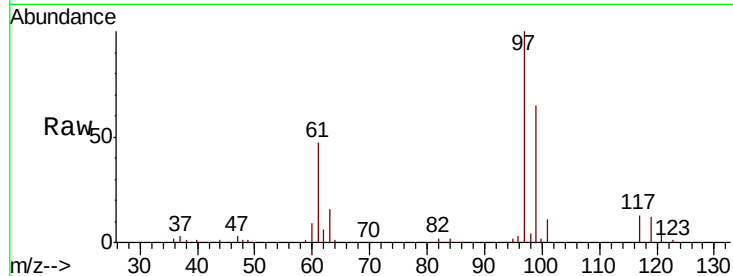




#29
 1,1,1-Trichloroethane
 Concen: 5.940 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

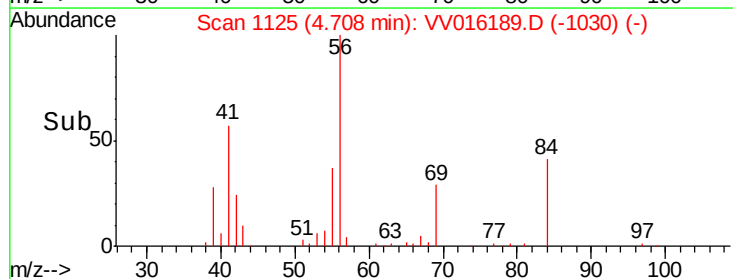
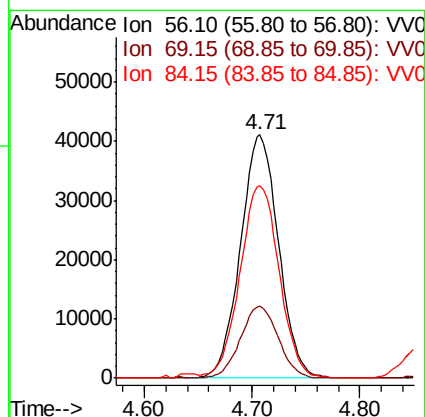
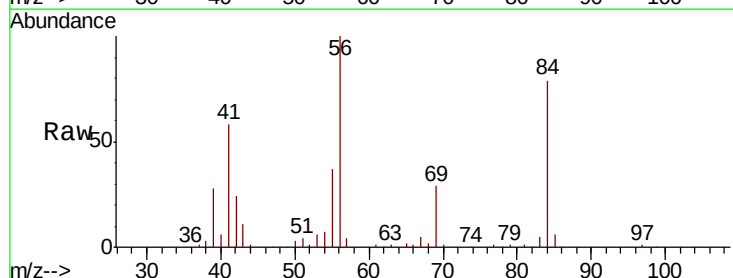
Instrument :
 MSVOA_V
 ClientSampled :

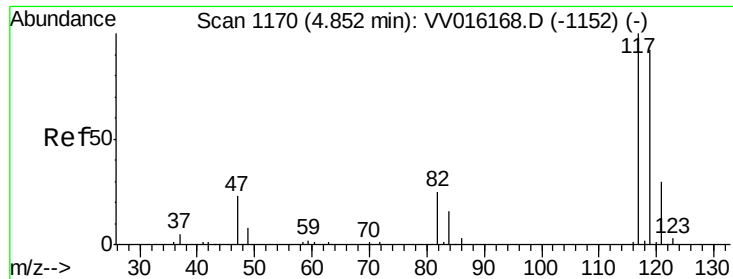
Tot Ion: 97 Resp: 100764
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.7 76.1
 61 46.5 38.8 58.2



#30
 Cyclohexane
 Concen: 5.932 ug/L
 RT: 4.71 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Tgt Ion: 56 Resp: 100839
 Ion Ratio Lower Upper
 56 100
 69 29.3 24.2 36.2
 84 81.5 68.3 102.5





#31

Carbon tetrachloride

Concen: 5.102 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

Instrument :

MSVOA_V

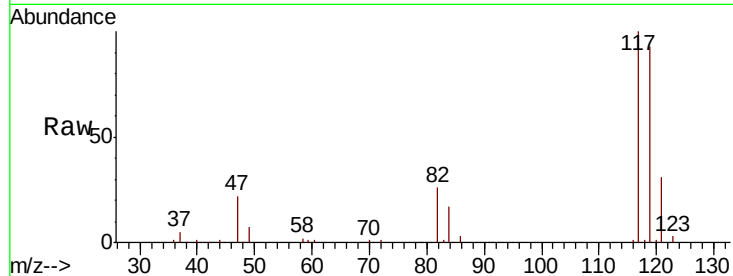
ClientSampleId :

Tot Ion:117 Resp: 74688

Ion Ratio Lower Upper

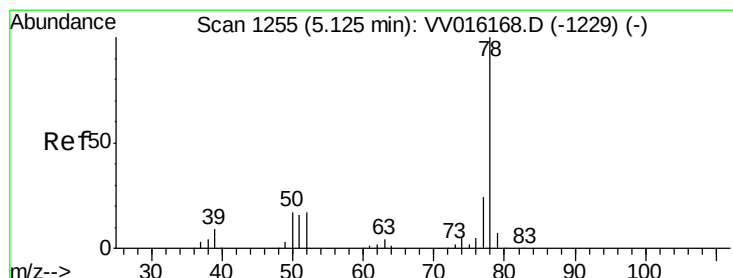
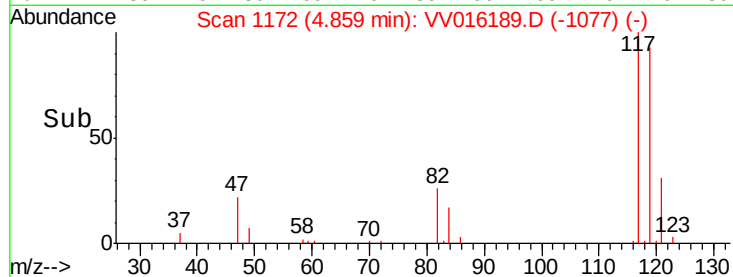
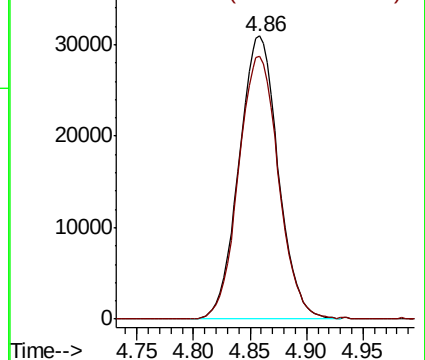
117 100

119 94.5 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.595 ug/L

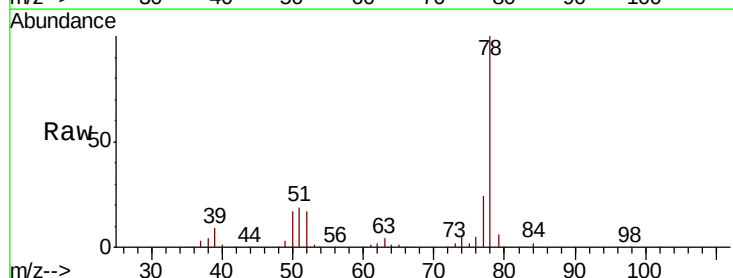
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

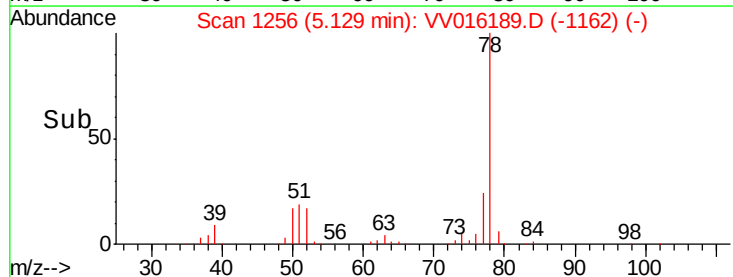
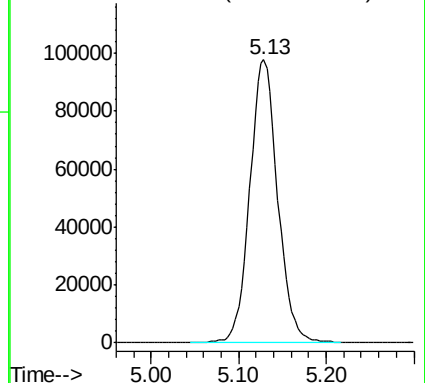
Lab File: VV016189.D

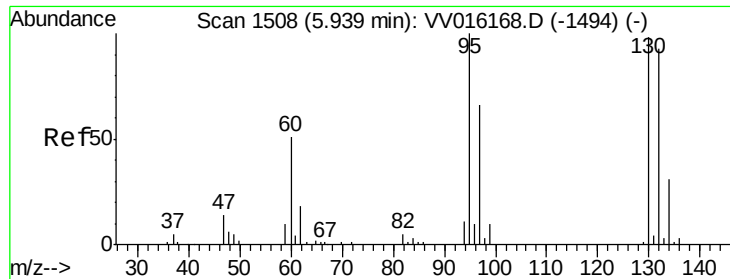
Acq: 22 May 2020 23:09

Tgt Ion: 78 Resp: 216540



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.078 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 56092

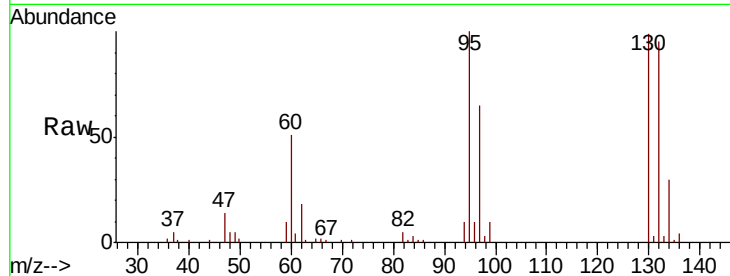
Ion Ratio Lower Upper

95 100

97 65.4 43.3 80.5

132 95.3 60.3 112.1

130 99.2 66.0 122.6

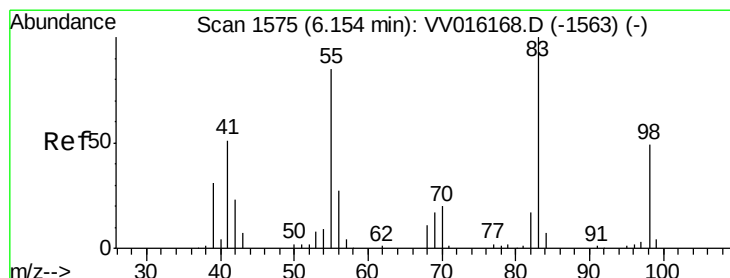
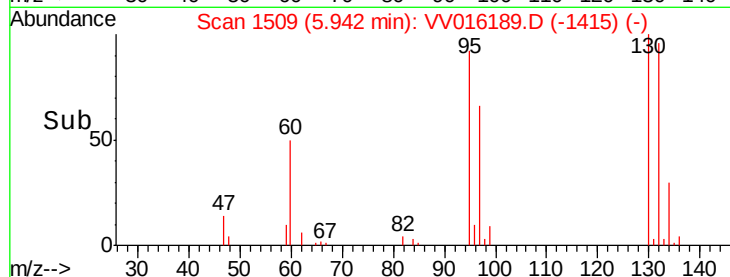
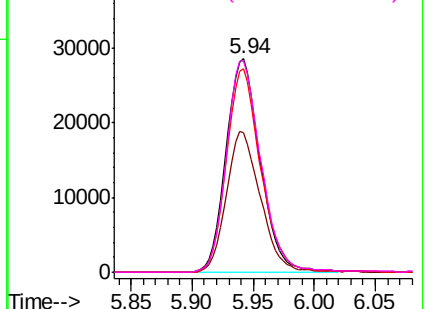


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.768 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

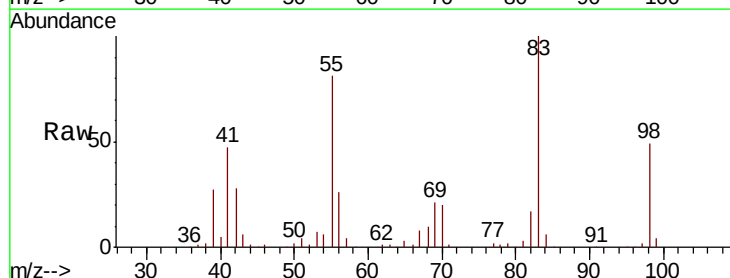
Tgt Ion: 83 Resp: 96373

Ion Ratio Lower Upper

83 100

55 81.6 66.2 99.2

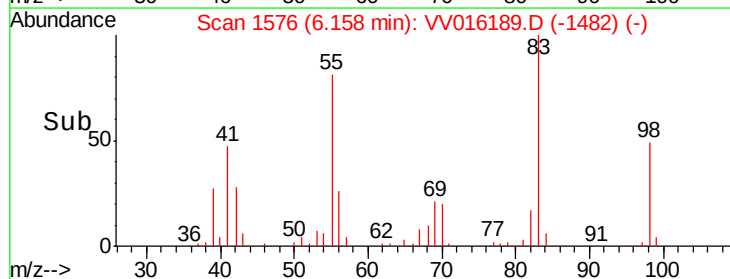
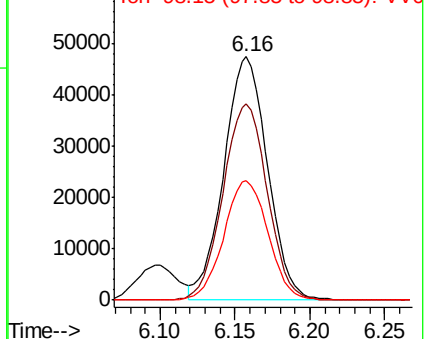
98 49.8 37.9 56.9

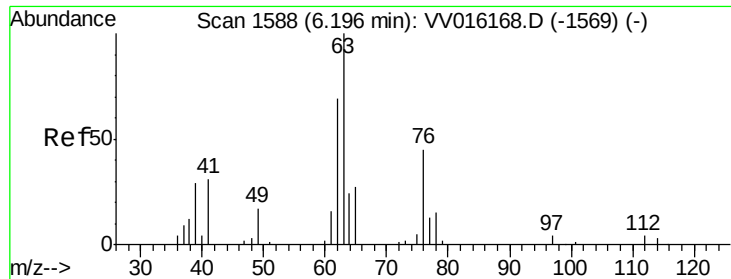


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

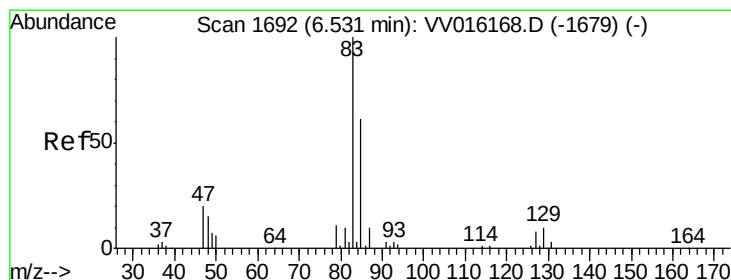
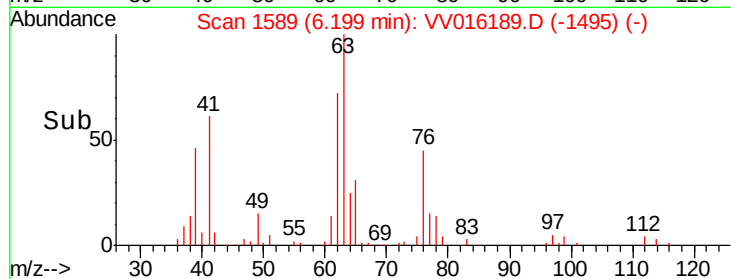
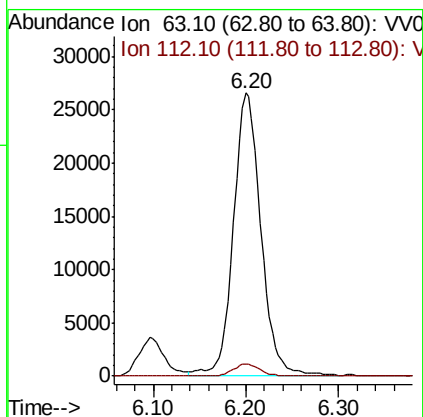
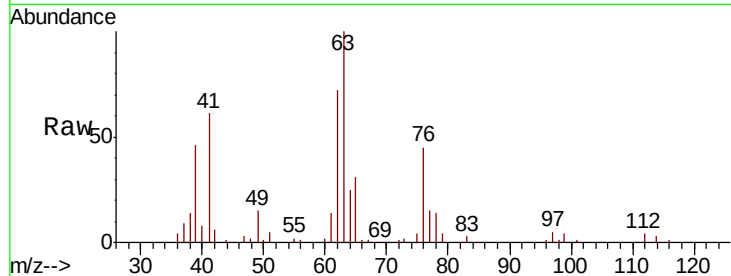




#37
 1,2-Dichloropropane
 Concen: 5.573 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

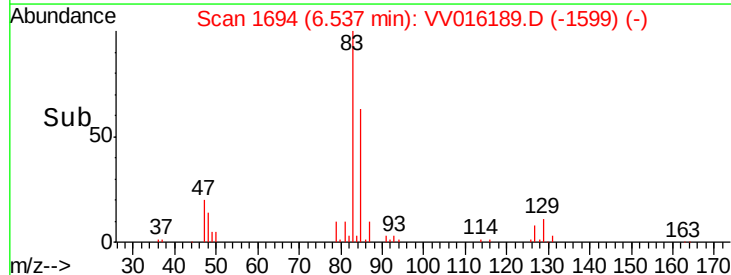
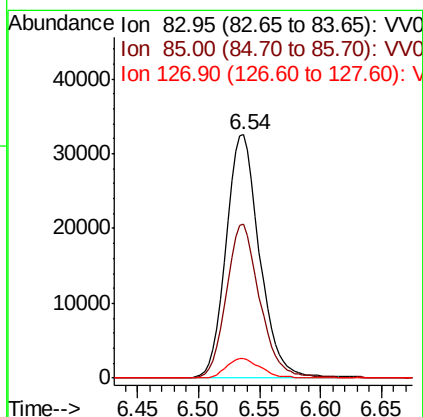
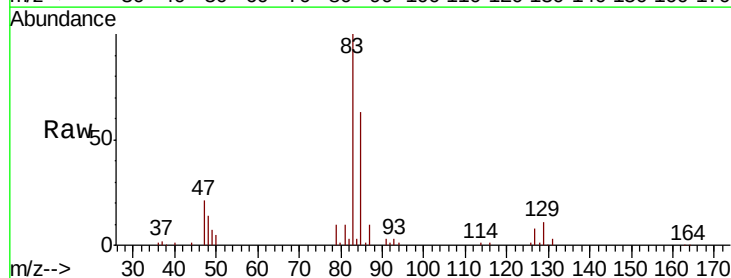
Instrument :
 MSVOA_V
 ClientSampleId :

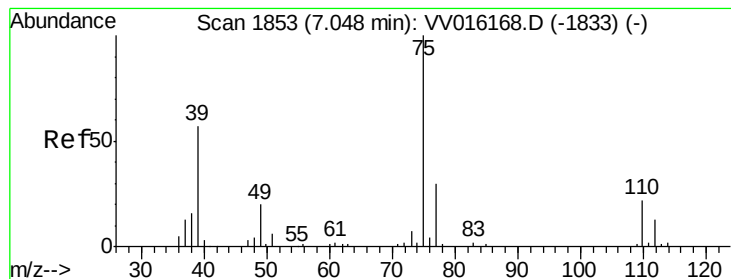
Tot Ion: 63 Resp: 54800
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.020 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Tgt Ion: 83 Resp: 62684
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.5 84.5
 127 8.2 6.2 9.4



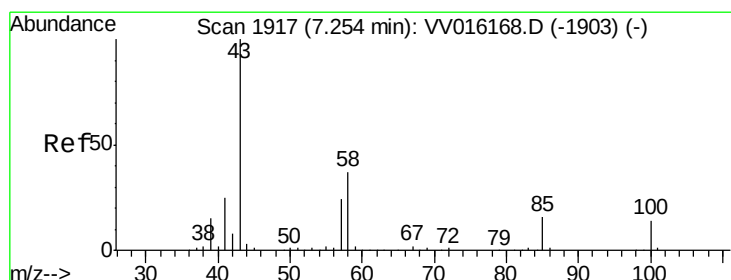
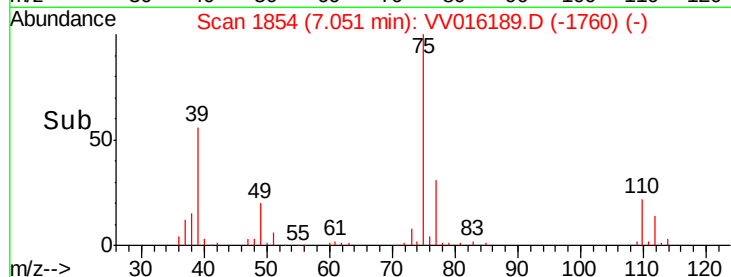
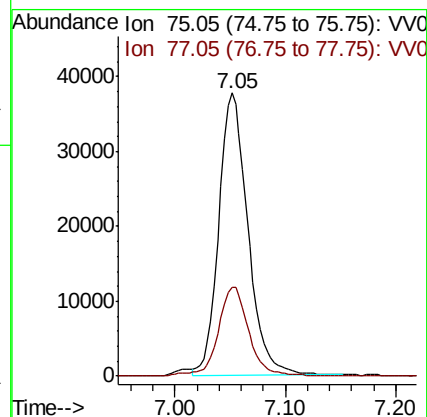
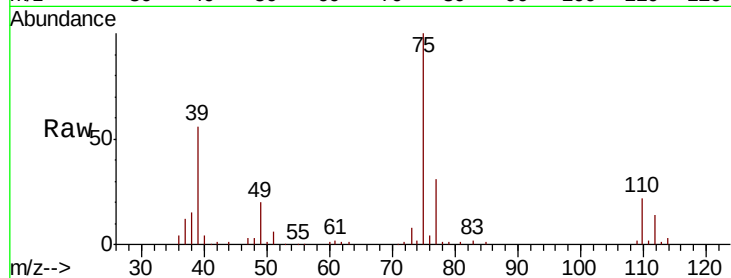


#39

cis-1,3-Dichloropropene
 Concen: 4.979 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Instrument :
 MSVOA_V
 ClientSampleId :

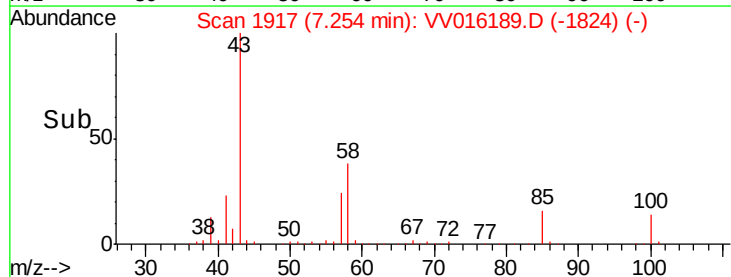
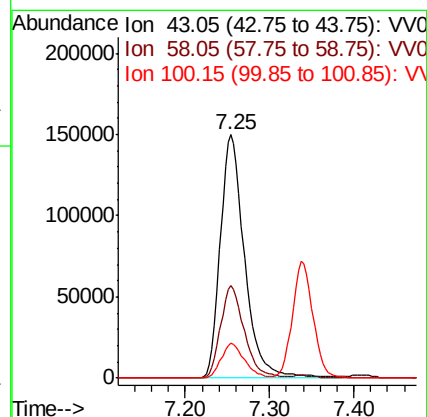
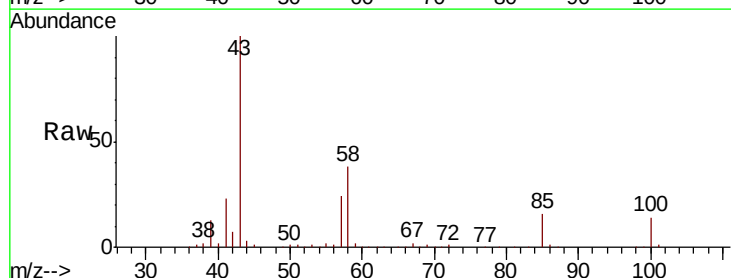
Tot Ion: 75 Resp: 69189
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.3 39.5

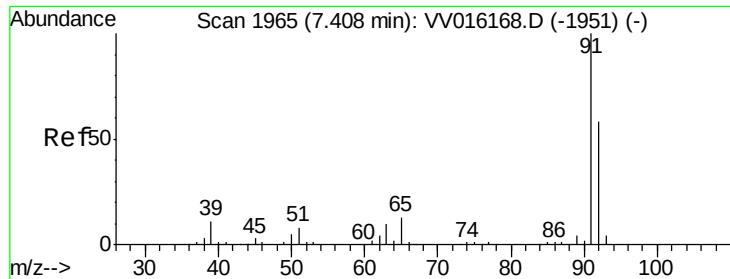


#40

4-Methyl-2-pentanone
 Concen: 48.985 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Tgt Ion: 43 Resp: 300204
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.0 43.4
 100 13.9 10.9 16.3





#42

Toluene

Concen: 6.815 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

Instrument :

MSVOA_V

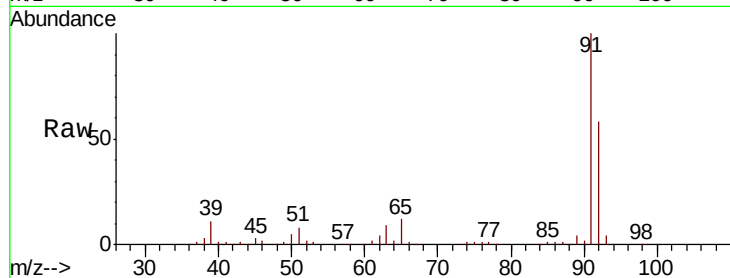
ClientSampleId :

Tot Ion: 91 Resp: 279565

Ion Ratio Lower Upper

91 100

92 58.1 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV016189.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016189.D (-1951) (-)

7.41

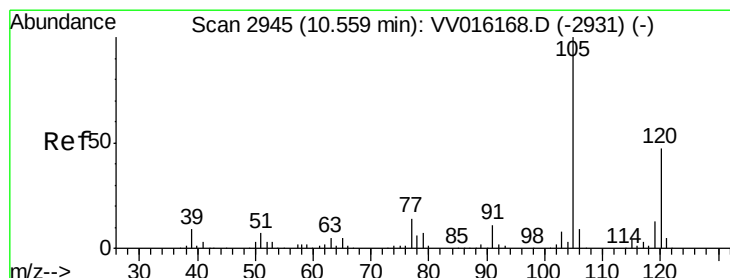
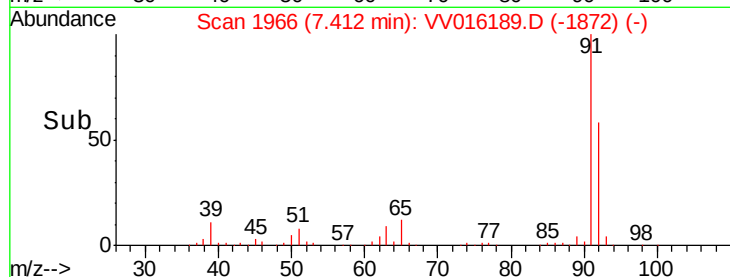
150000

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 6.020 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016189.D

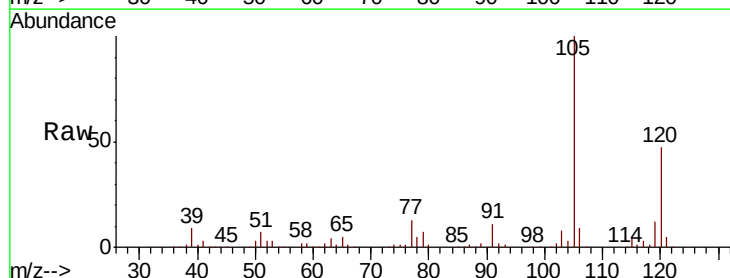
Acq: 22 May 2020 23:09

Tgt Ion:105 Resp: 226704

Ion Ratio Lower Upper

105 100

120 48.4 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV016189.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV016189.D (-2323) (-)

10.56

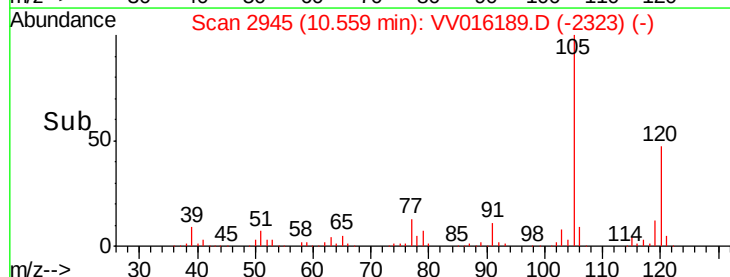
150000

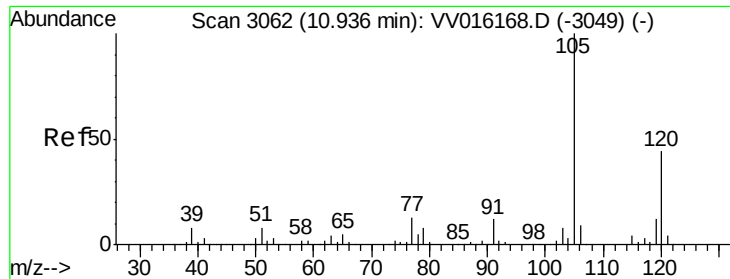
100000

50000

0

Time-->

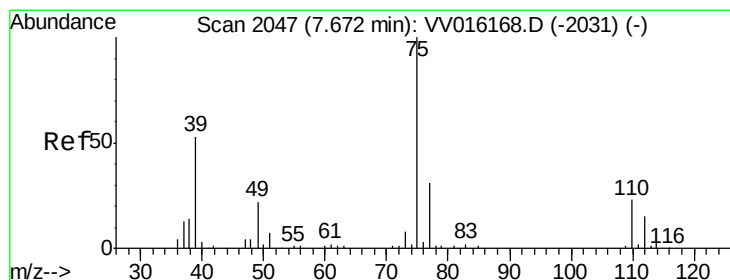
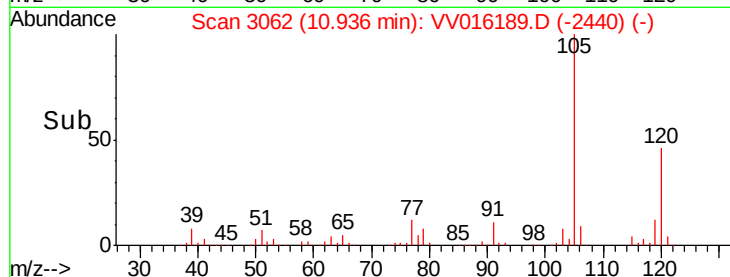
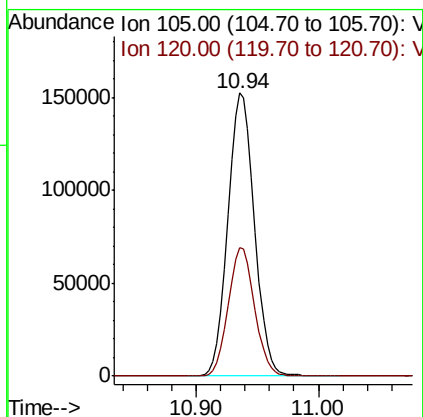
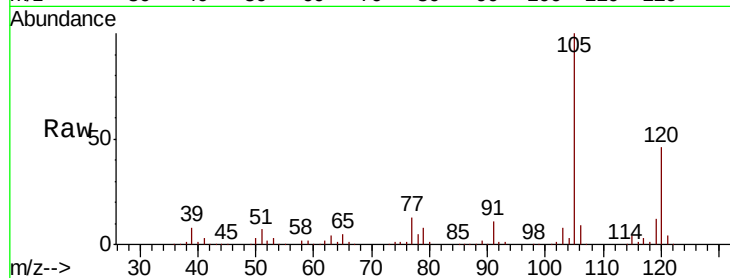




#44
1,2,4-Trimethylbenzene
Concen: 6.193 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

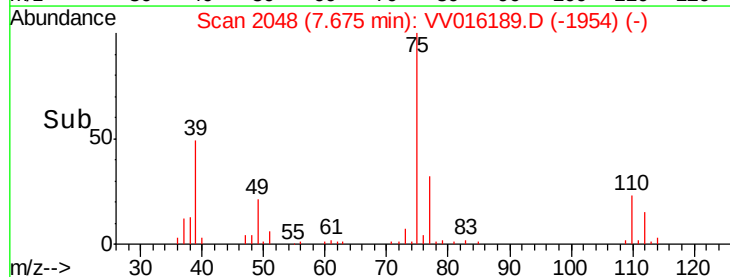
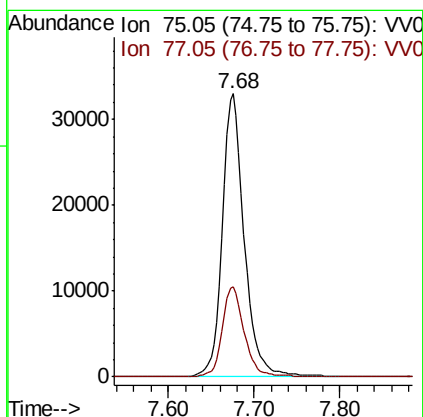
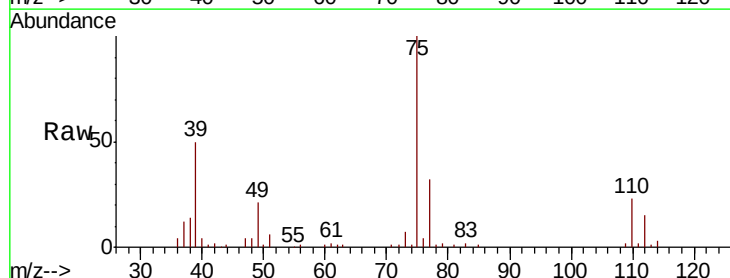
Instrument :
MSVOA_V
ClientSampleId :

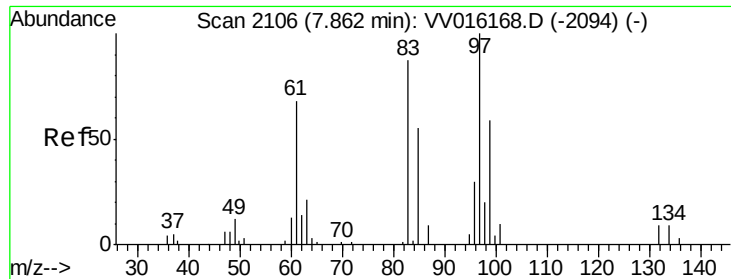
Tot Ion:105 Resp: 233044
Ion Ratio Lower Upper
105 100
120 45.1 0.0 0.0#



#46
trans-1,3-Dichloropropene
Concen: 4.971 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Tgt Ion: 75 Resp: 58352
Ion Ratio Lower Upper
75 100
77 31.8 21.3 39.6

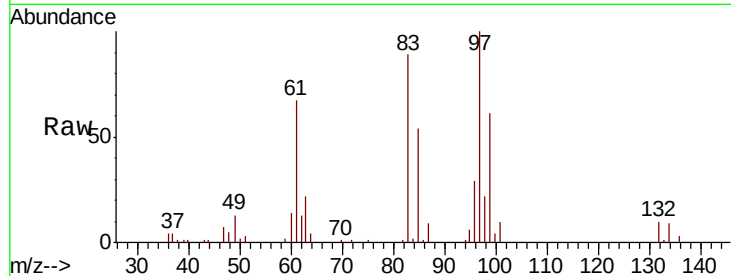




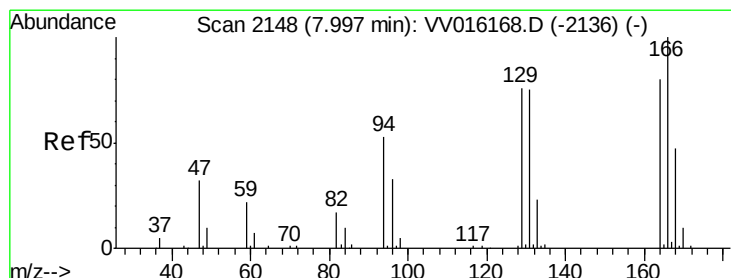
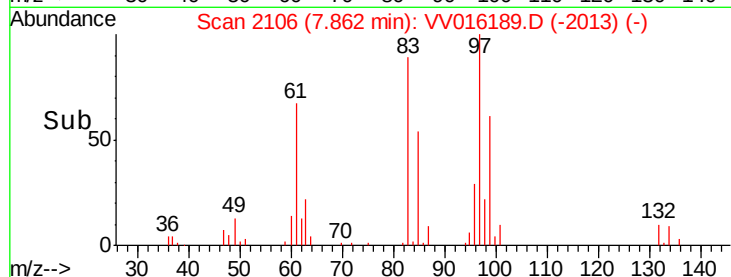
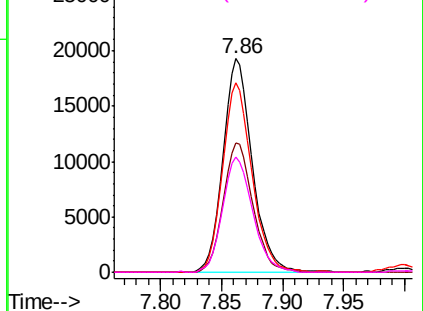
#47
 1,1,2-Trichloroethane
 Concen: 4.953 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	32522
Ion	Ratio	Lower	Upper
97	100		
99	60.6	42.1	78.1
83	89.0	59.2	110.0
85	53.8	38.6	71.8

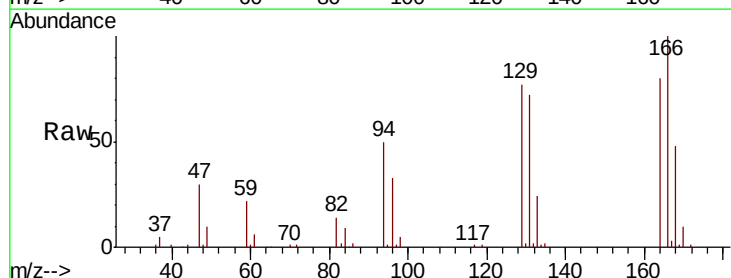


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

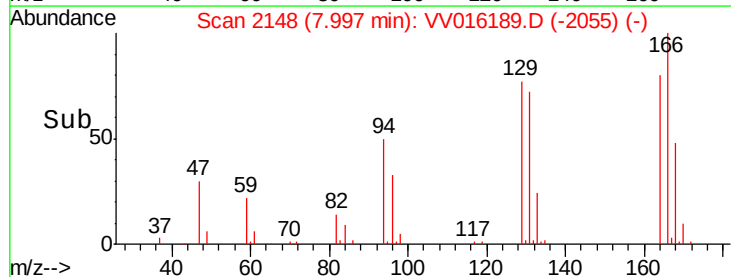
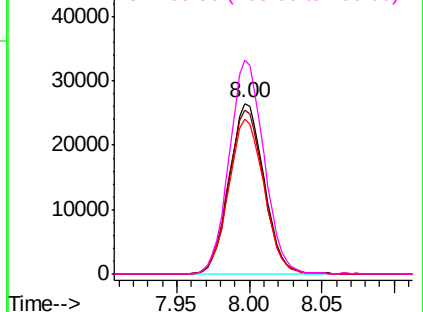


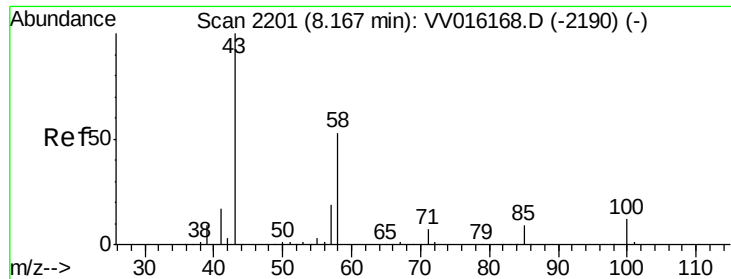
#49
 Tetrachloroethene
 Concen: 5.704 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Tgt Ion:	164	Resp:	43964
Ion	Ratio	Lower	Upper
164	100		
129	96.1	69.7	129.4
131	90.8	66.8	124.2
166	125.2	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

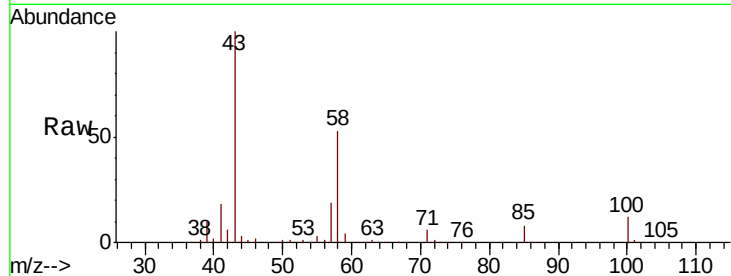




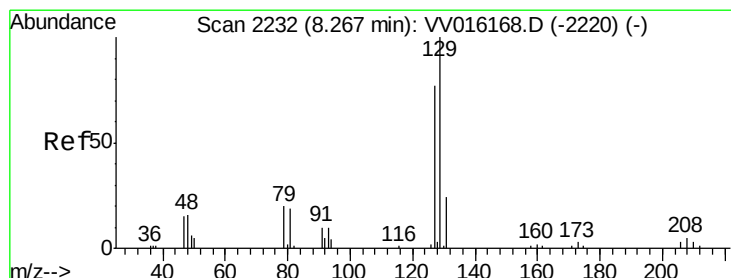
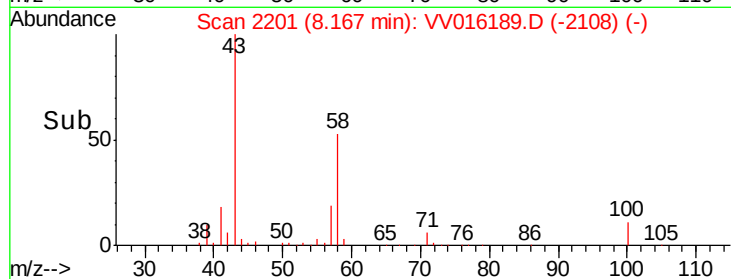
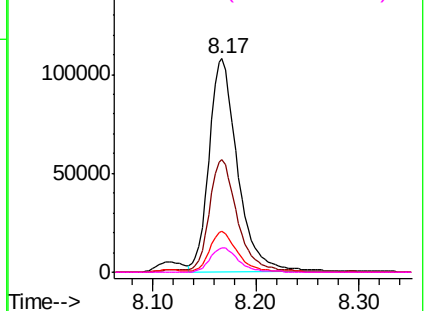
#50
2-Hexanone
Concen: 47.402 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 205434
Ion Ratio Lower Upper
43 100
58 52.6 40.8 61.2
57 18.8 14.7 22.1
100 11.6 9.0 13.6

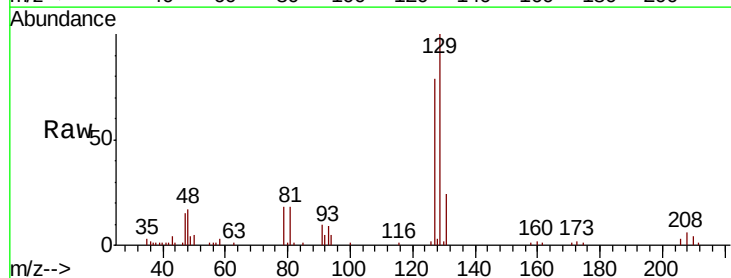


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

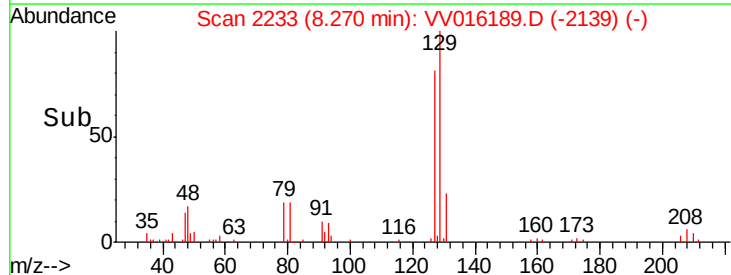
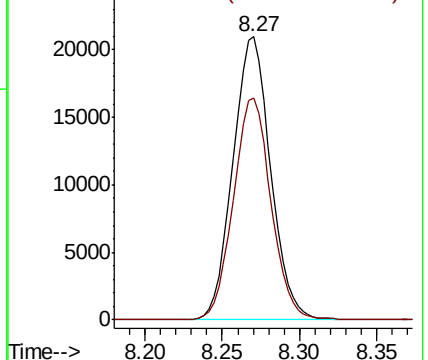


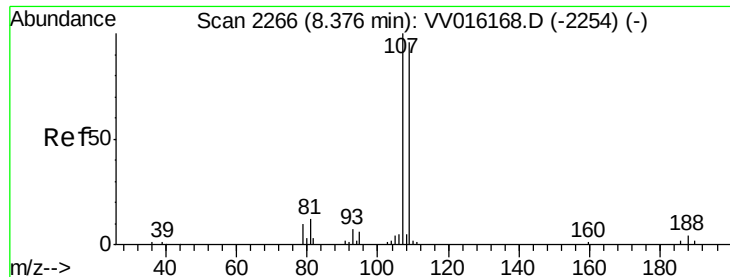
#51
Dibromochloromethane
Concen: 4.804 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Tgt Ion: 129 Resp: 35446
Ion Ratio Lower Upper
129 100
127 78.6 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 5.036 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

Instrument :

MSVOA_V

ClientSampleId :

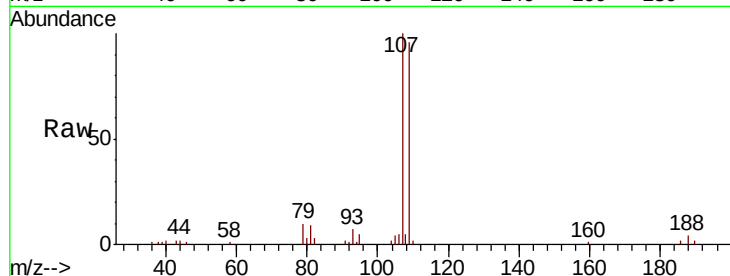
Tot Ion:107 Resp: 30666

Ion Ratio Lower Upper

107 100

109 96.0 68.9 127.9

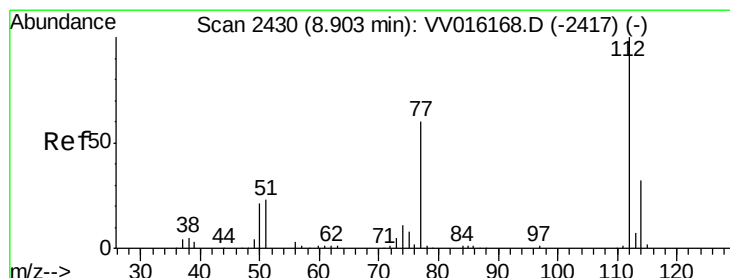
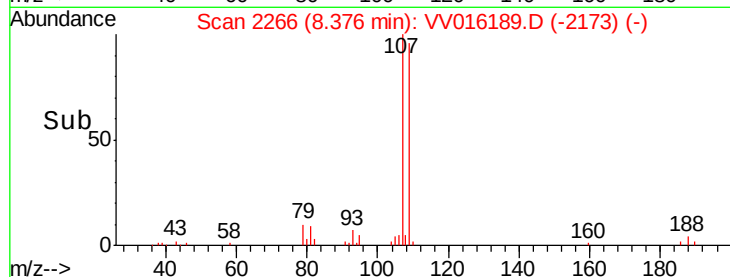
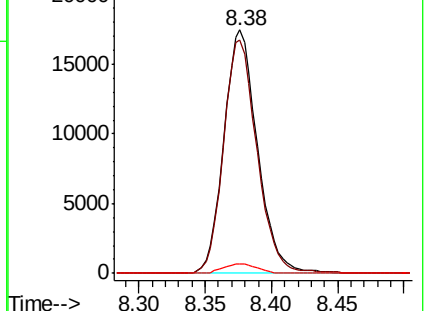
188 3.8 2.7 4.1



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.605 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

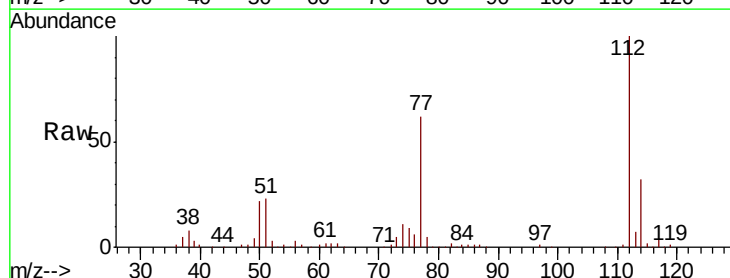
Tgt Ion:112 Resp: 147879

Ion Ratio Lower Upper

112 100

114 32.0 21.6 40.0

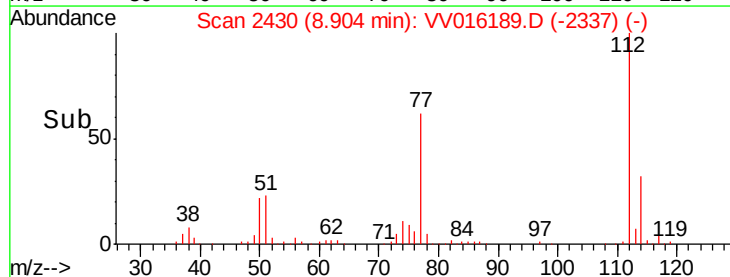
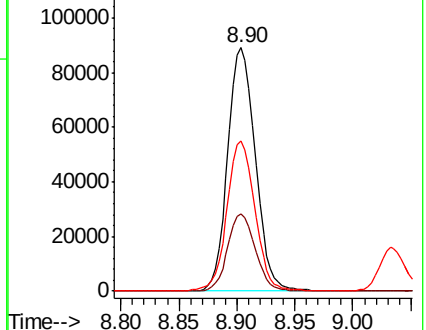
77 61.8 48.6 73.0

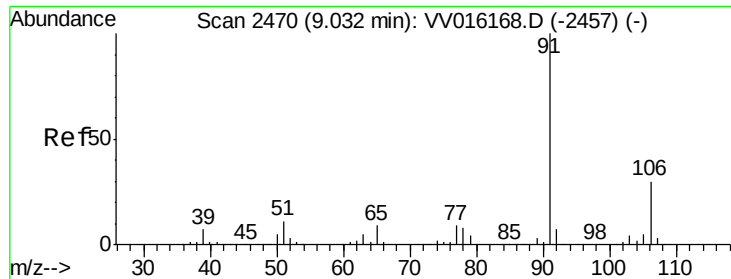


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

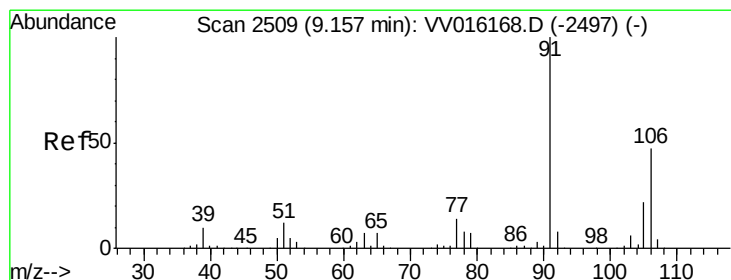
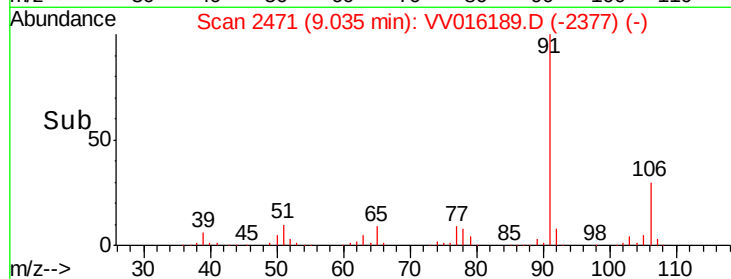
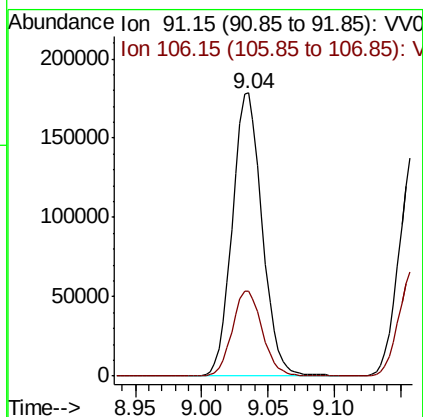
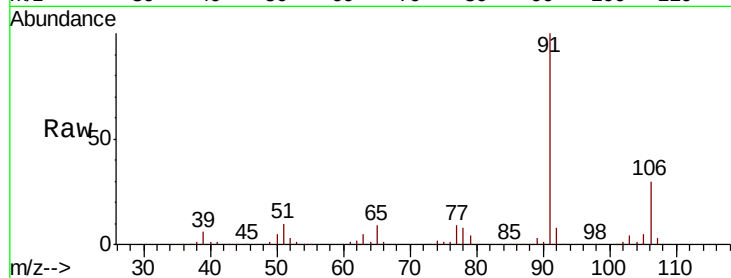




#54
Ethylbenzene
Concen: 5.974 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

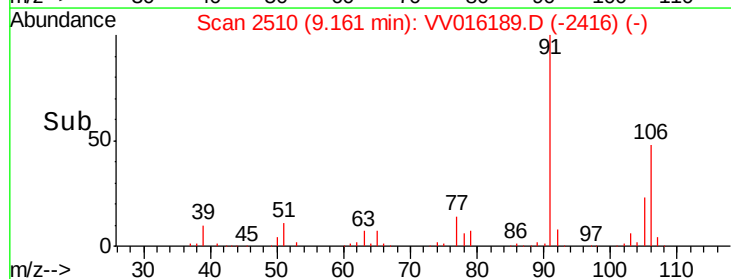
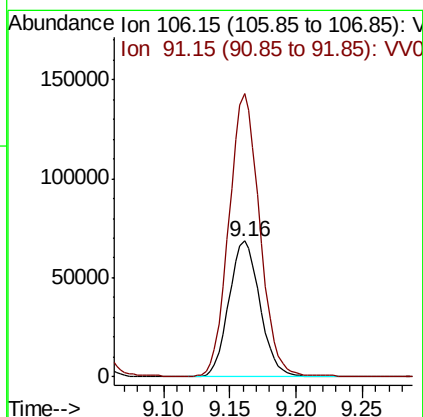
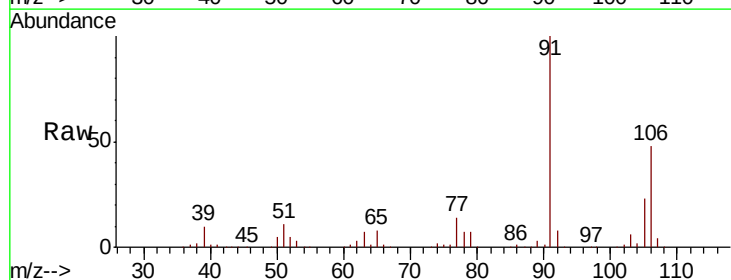
Instrument :
MSVOA_V
ClientSampleId :

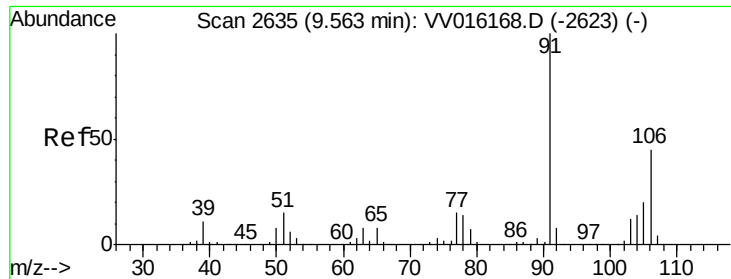
Tot Ion: 91 Resp: 278648
Ion Ratio Lower Upper
91 100
106 30.2 20.6 38.4



#55
m,p-xylene
Concen: 6.427 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Tgt Ion: 106 Resp: 111001
Ion Ratio Lower Upper
106 100
91 208.7 149.9 278.3

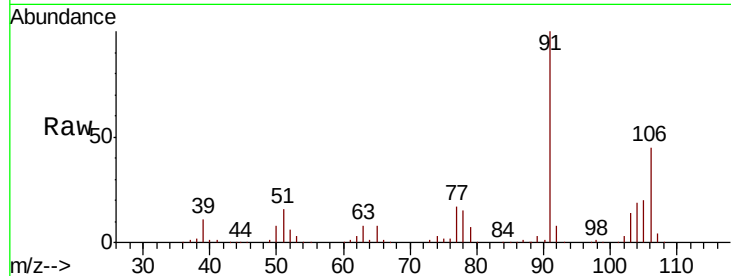




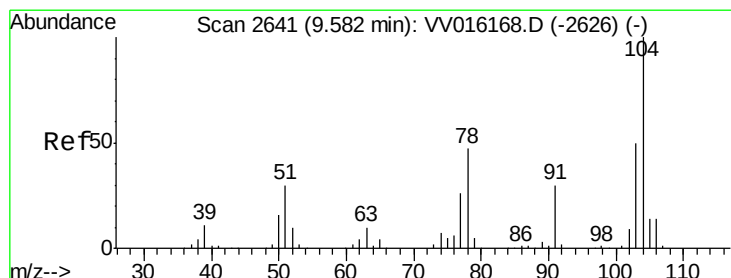
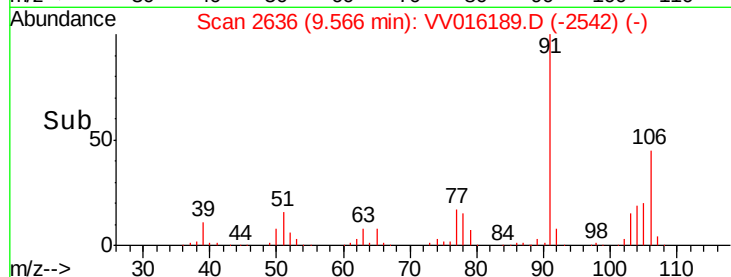
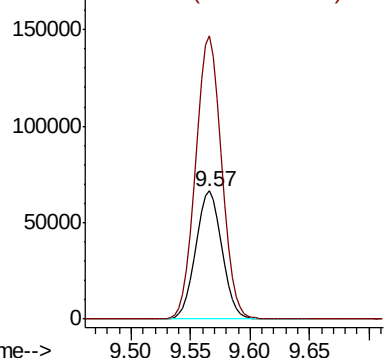
#56
o-xylene
Concen: 6.162 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 101754
Ion Ratio Lower Upper
106 100
91 221.3 159.7 296.5

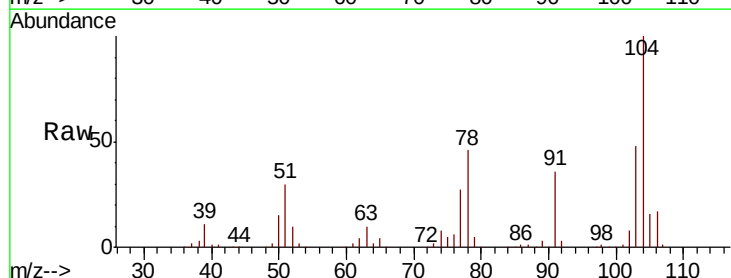


Abundance Ion 106.15 (105.85 to 106.85): VV016189.D (-2636) (-)

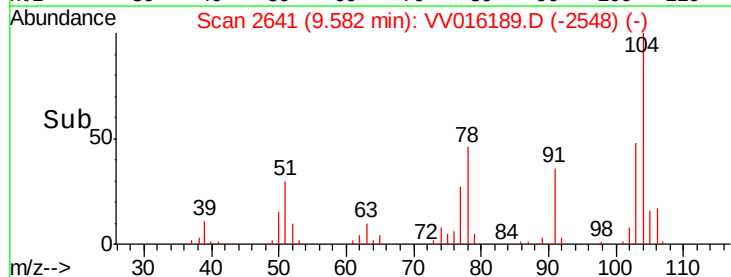
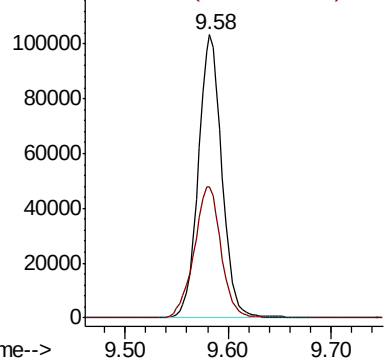


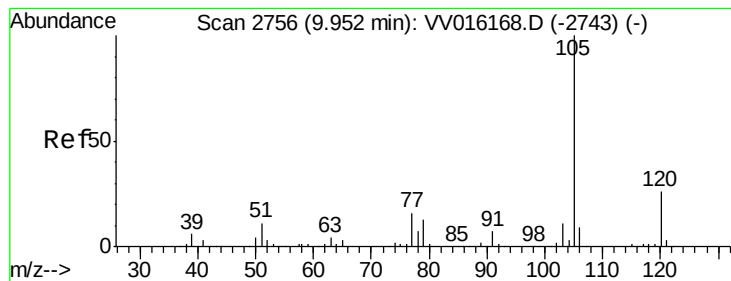
#57
Styrene
Concen: 5.955 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016189.D
Acq: 22 May 2020 23:09

Tgt Ion:104 Resp: 164469
Ion Ratio Lower Upper
104 100
78 46.5 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): VV016189.D (-2641) (-)





#58

Isopropylbenzene

Concen: 5.945 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

Instrument :

MSVOA_V

ClientSampleId :

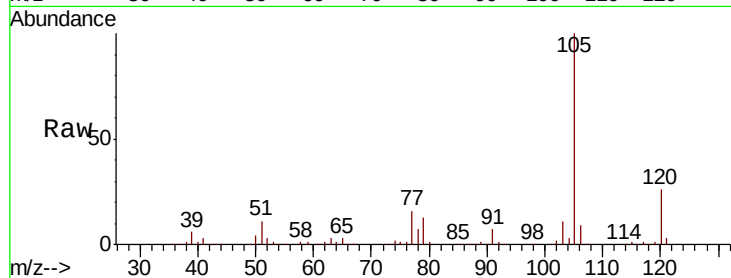
Tot Ion:105 Resp: 269726

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

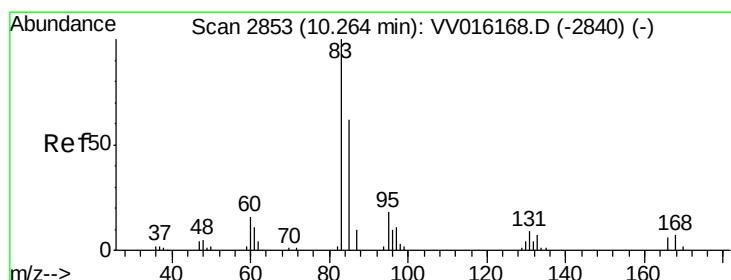
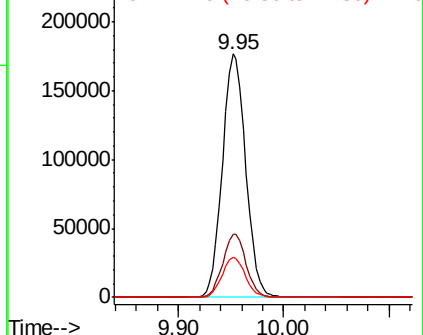
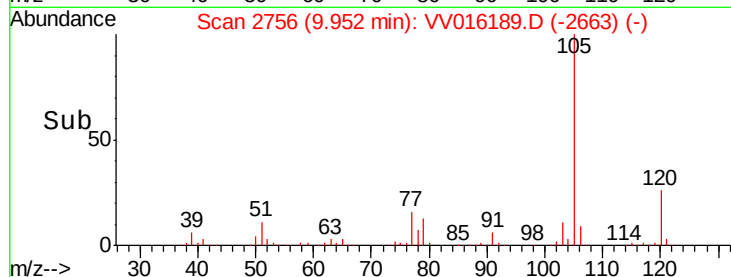
77 16.4 14.1 21.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.475 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

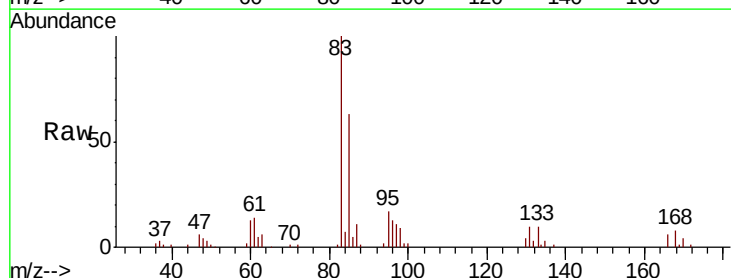
Tgt Ion: 83 Resp: 38416

Ion Ratio Lower Upper

83 100

85 62.7 44.0 81.6

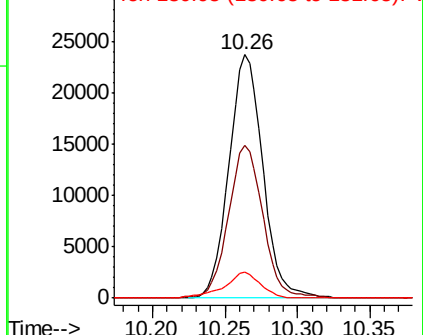
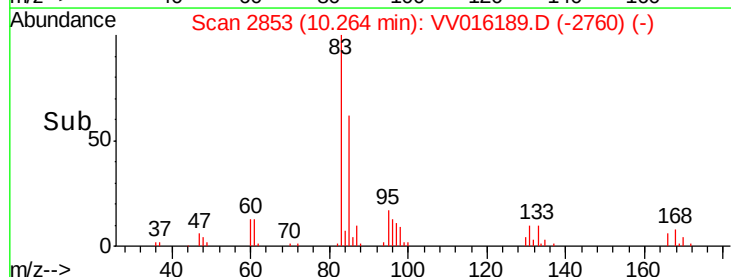
131 10.5 7.7 11.5

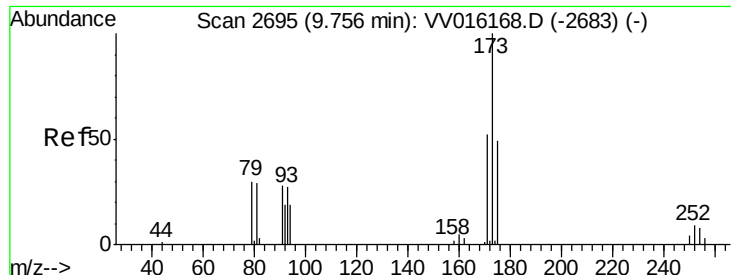


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.630 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

Instrument :
MSVOA_V
ClientSampled :

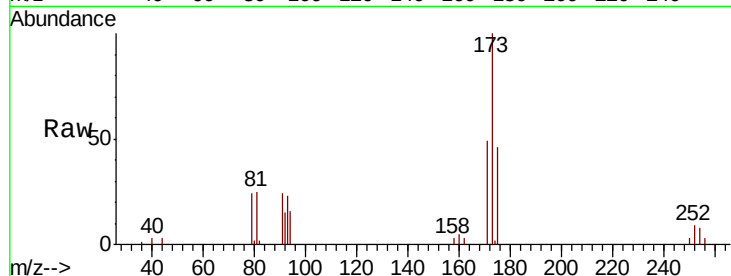
Tot Ion:173 Resp: 16296

Ion Ratio Lower Upper

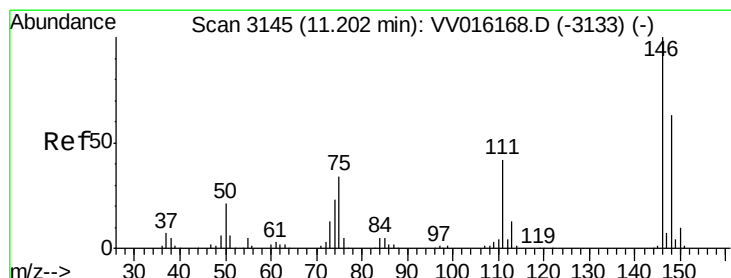
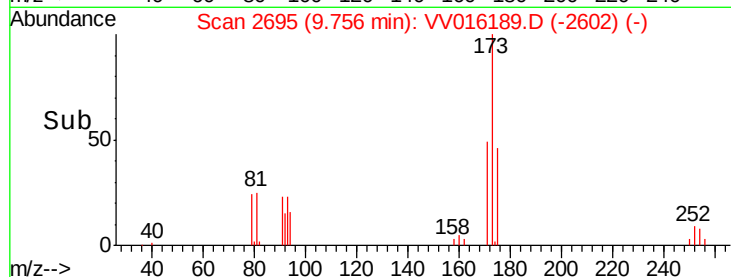
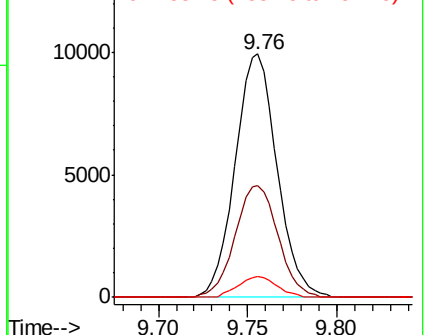
173 100

175 47.1 39.8 59.8

254 7.8 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.652 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016189.D

Acq: 22 May 2020 23:09

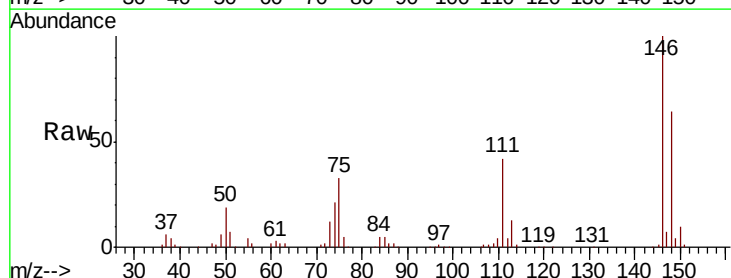
Tgt Ion:146 Resp: 116656

Ion Ratio Lower Upper

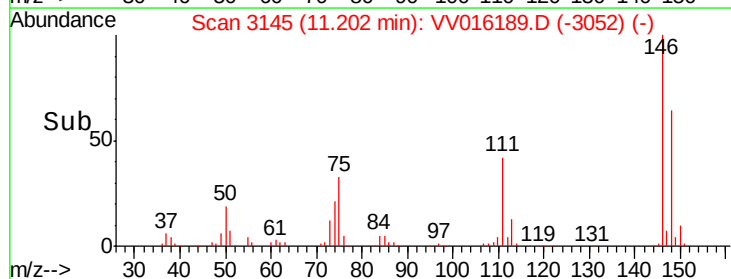
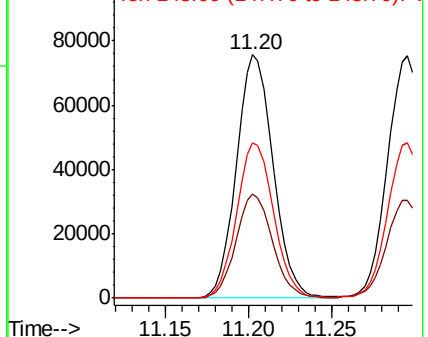
146 100

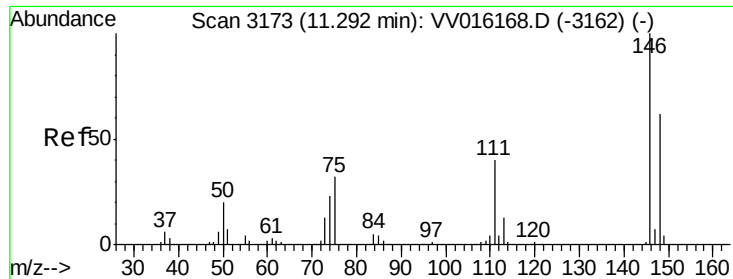
111 42.5 28.7 53.3

148 64.0 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

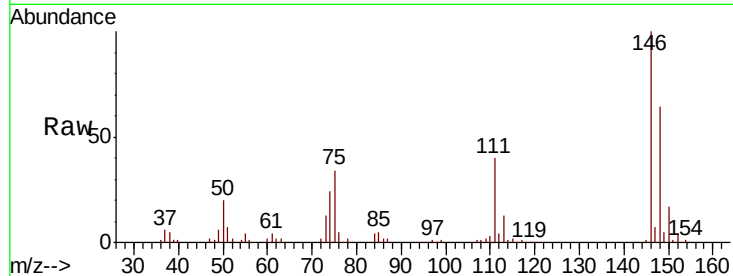




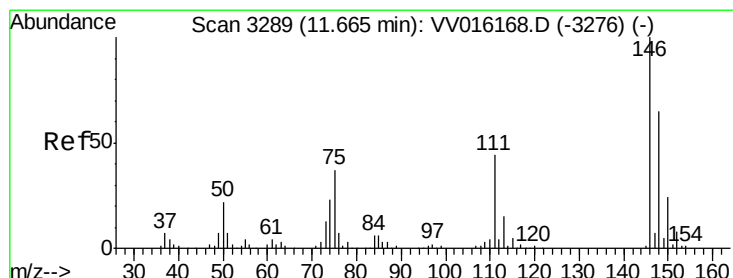
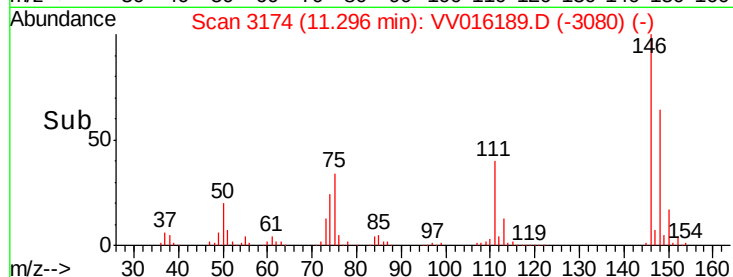
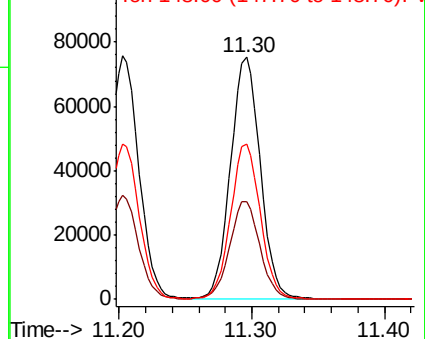
#64
 1,4-Dichlorobenzene
 Concen: 5.662 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 117422
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.9 53.7
 148 64.2 44.6 82.8

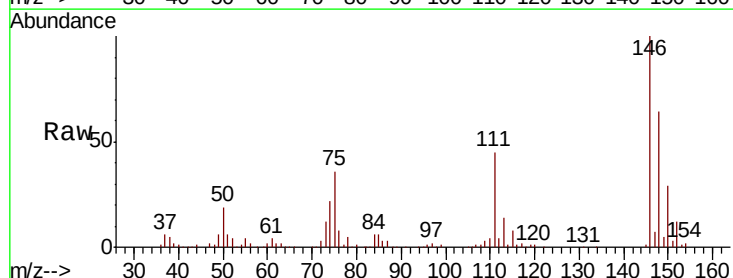


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

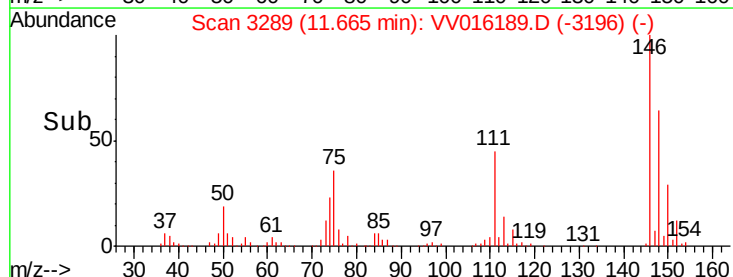
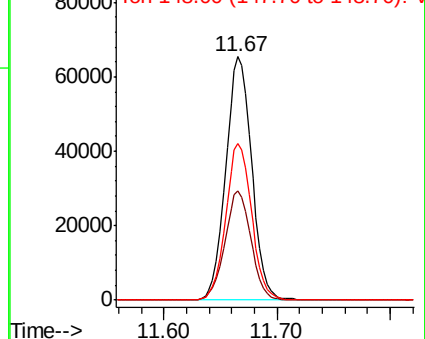


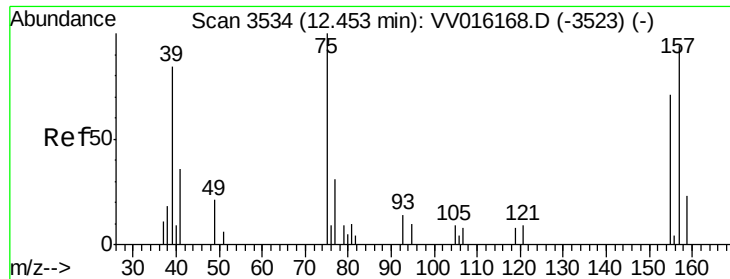
#66
 1,2-Dichlorobenzene
 Concen: 5.581 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Tgt Ion:146 Resp: 104268
 Ion Ratio Lower Upper
 146 100
 111 44.9 37.0 55.4
 148 64.5 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

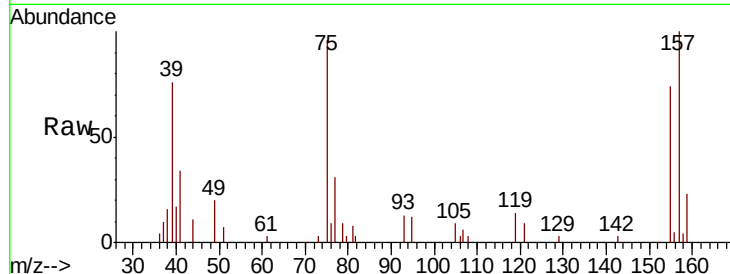




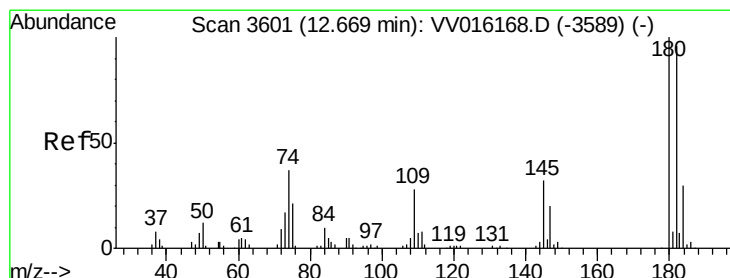
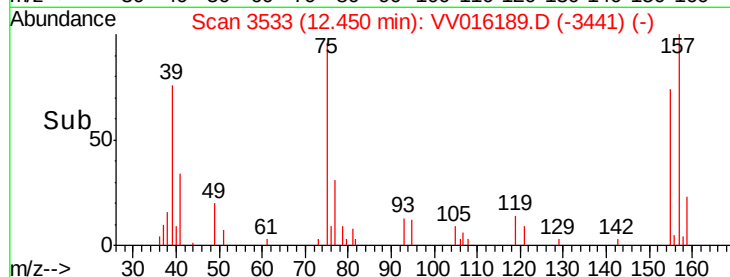
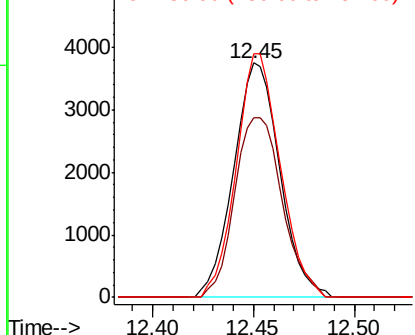
#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.930 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 75 Resp: 6011
 Ion Ratio Lower Upper
 75 100
 155 76.5 58.2 87.4
 157 103.9 79.4 119.2

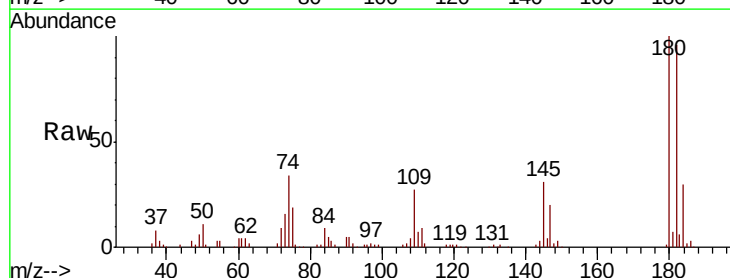


Abundance Ion 75.05 (74.75 to 75.75): VV016189.D (-3523) (-)
 Ion 154.95 (154.65 to 155.65): VV016189.D (-3523) (-)
 Ion 156.90 (156.60 to 157.60): VV016189.D (-3523) (-)

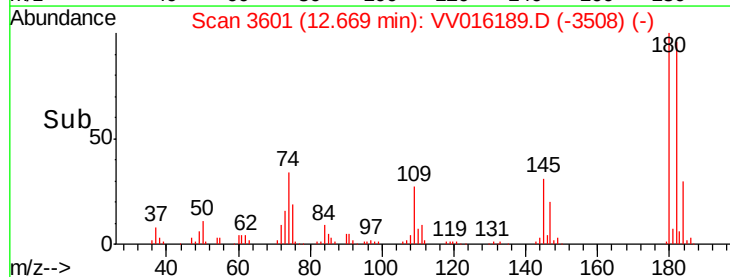
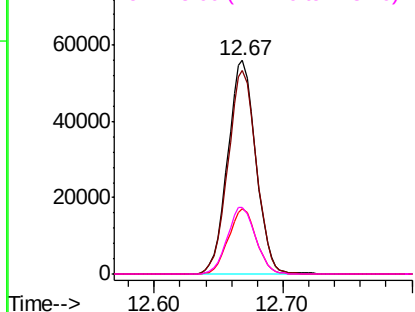


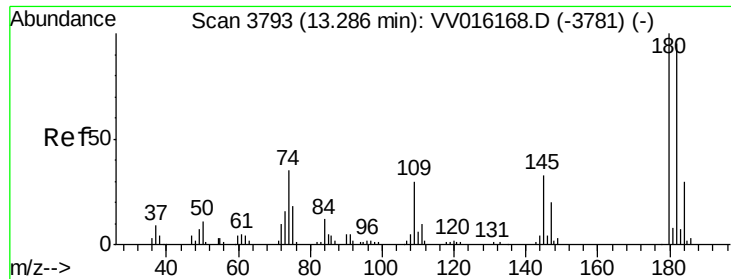
#68
 1,3,5-Trichlorobenzene
 Concen: 5.601 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Tgt Ion: 180 Resp: 84524
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.8 113.6
 184 29.8 24.6 36.8
 145 31.4 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): VV016189.D (-3589) (-)
 Ion 182.00 (181.70 to 182.70): VV016189.D (-3589) (-)
 Ion 184.00 (183.70 to 184.70): VV016189.D (-3589) (-)
 Ion 145.00 (144.70 to 145.70): VV016189.D (-3589) (-)

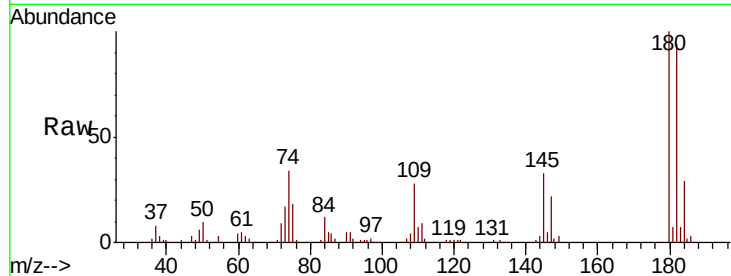




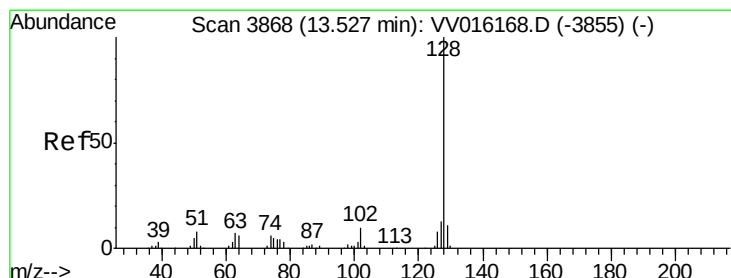
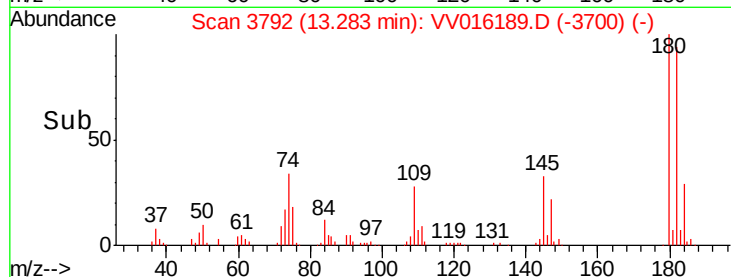
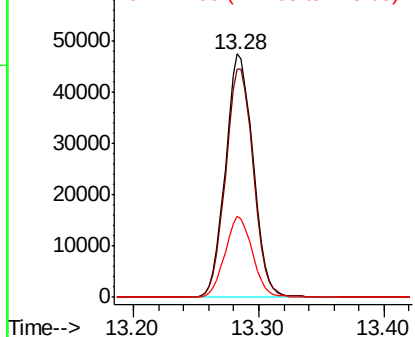
#69
 1,2,4-trichlorobenzene
 Concen: 5.574 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 72283
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.7 115.1
 145 33.0 26.4 39.6

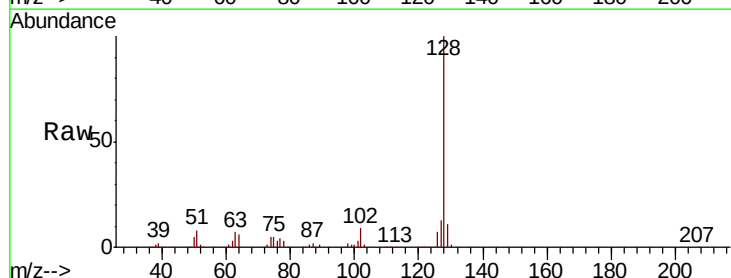


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

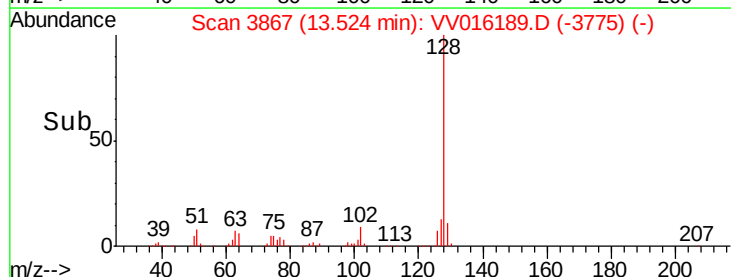
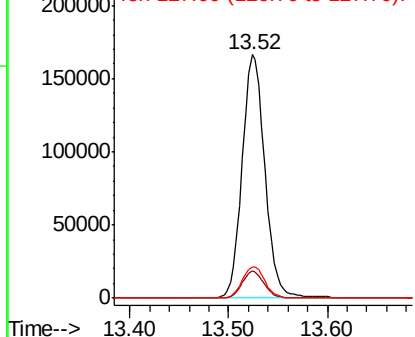


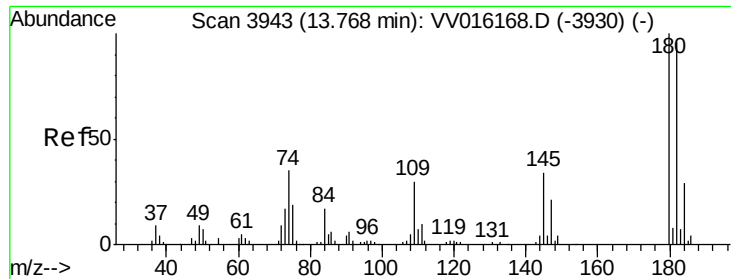
#70
 Naphthalene
 Concen: 12.848 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Tgt Ion:128 Resp: 264971
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.5 12.7
 127 12.9 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

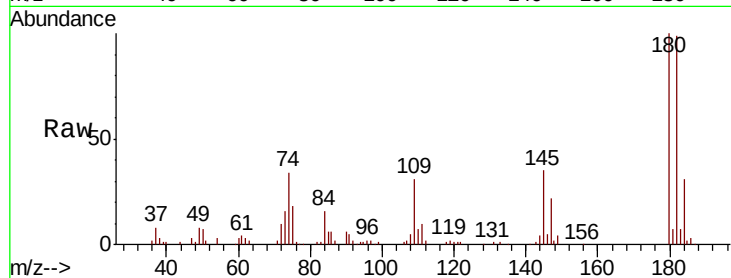




#71
 1,2,3-Trichlorobenzene
 Concen: 5.443 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016189.D
 Acq: 22 May 2020 23:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 62261
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.6
 145 34.8 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

