

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016192.D
 Acq On : 26 May 2020 15:23
 Operator : SY/MD
 Sample : VSTD00133
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 02:02:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 02:00:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	93812	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	90209	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	43373	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6247	1.17	ug/L	0.00
7) Chloroethane-d5	1.58	69	5266	1.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	11555	1.04	ug/L	0.00
20) 2-Butanone-d5	3.98	46	6556	4.51	ug/L	0.00
24) Chloroform-d	4.38	84	11966	1.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	6427	1.01	ug/L	0.00
32) Benzene-d6	5.07	84	21411	0.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	6675	1.01	ug/L	0.00
41) Toluene-d8	7.34	98	20341	0.99	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.65	79	2299	0.88	ug/L	0.00
48) 2-Hexanone-d5	8.12	63	10535	9.23	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	4851	1.03	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	7082	0.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8060	1.078 ug/L	99
3) Chloromethane	1.25	50	9044	1.175 ug/L	97
5) Vinyl chloride	1.32	62	8141	1.117 ug/L	95
6) Bromomethane	1.53	94	4571	1.099 ug/L	95
8) Chloroethane	1.60	64	4703	0.922 ug/L	95
9) Trichlorofluoromethane	1.77	101	10446	1.058 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5779	1.038 ug/L	96
12) 1,1-Dichloroethene	2.13	96	5587	1.054 ug/L	89
14) Carbon disulfide	2.31	76	16489	0.956 ug/L	96
15) Methyl Acetate	2.46	43	1333	0.584 ug/L #	70
16) Methylene chloride	2.52	84	6331	1.010 ug/L	100
17) Methyl tert-butyl Ether	2.79	73	13515	0.991 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	5971	1.025 ug/L	98
19) 1,1-Dichloroethane	3.21	63	11275	1.014 ug/L	96
21) 2-Butanone	4.06	43	14623	9.670 ug/L	95
22) cis-1,2-Dichloroethene	3.94	96	7006	1.129 ug/L	91
23) Bromochloromethane	4.28	128	2545	0.978 ug/L #	91
25) Chloroform	4.41	83	11784	0.963 ug/L	100
27) 1,2-Dichloroethane	5.16	62	7476	0.977 ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	10297	1.010 ug/L	98
30) Cyclohexane	4.69	56	10886	1.051 ug/L	99
31) Carbon tetrachloride	4.85	117	8714	0.991 ug/L	99
33) Benzene	5.13	78	25287	1.073 ug/L	100
34) Trichloroethene	5.94	95	6776	1.029 ug/L	98
35) Methylcyclohexane	6.15	83	10551	1.035 ug/L	99
37) 1,2-Dichloropropane	6.20	63	6071	1.013 ug/L	100
38) Bromodichloromethane	6.53	83	7296	0.974 ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	8125	0.967 ug/L	95
40) 4-Methyl-2-pentanone	7.26	43	37107	9.998 ug/L	97
42) Toluene	7.41	91	26881	1.073 ug/L	95

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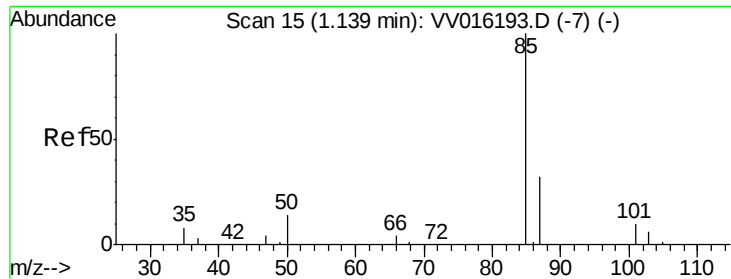
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 02:02:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
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 QLast Update : Wed May 27 02:00:41 2020
 Response via : Initial Calibration

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

43) 1,3,5-Trimethylbenzene	10.56	105	22426	0.968	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	23310	1.005	ug/L	98
46) trans-1,3-Dichloropropene	7.68	75	6421	0.904	ug/L	93
47) 1,1,2-Trichloroethane	7.86	97	4241	1.064	ug/L	94
49) Tetrachloroethene	8.00	164	4619	0.994	ug/L	87
50) 2-Hexanone	8.17	43	23928	9.170	ug/L	94
51) Dibromochloromethane	8.27	129	3806	0.869	ug/L	92
52) 1,2-Dibromoethane	8.38	107	3665	0.995	ug/L #	94
53) Chlorobenzene	8.90	112	16789	1.046	ug/L	97
54) Ethylbenzene	9.03	91	28496	0.997	ug/L	99
55) m,p-xylene	9.16	106	11252	1.065	ug/L	96
56) o-xylene	9.57	106	10300	1.020	ug/L	95
57) Styrene	9.58	104	16401	0.971	ug/L	94
58) Isopropylbenzene	9.95	105	28509	1.030	ug/L	98
60) 1,1,2,2-Tetrachloroethane	10.27	83	5024	1.150	ug/L	97
62) Bromoform	9.76	173	1564	0.778	ug/L #	93
63) 1,3-Dichlorobenzene	11.20	146	12922	1.068	ug/L	94
64) 1,4-Dichlorobenzene	11.30	146	13022	1.065	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	11356	1.035	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	778	1.070	ug/L	88
68) 1,3,5-Trichlorobenzene	12.67	180	8968	1.018	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	7835	1.030	ug/L	98
70) Naphthalene	13.53	128	18035	1.418	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	7157	1.066	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 1.078 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

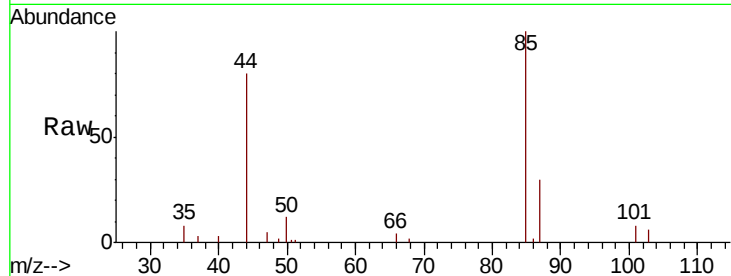
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 8060

Ion Ratio Lower Upper

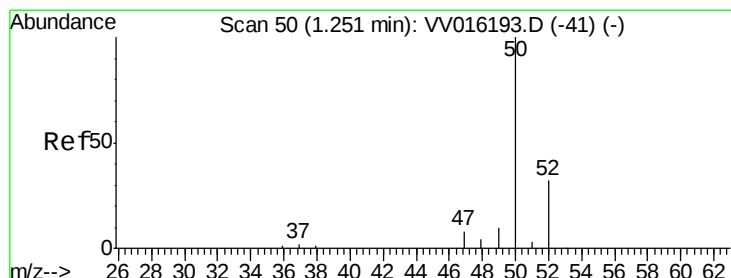
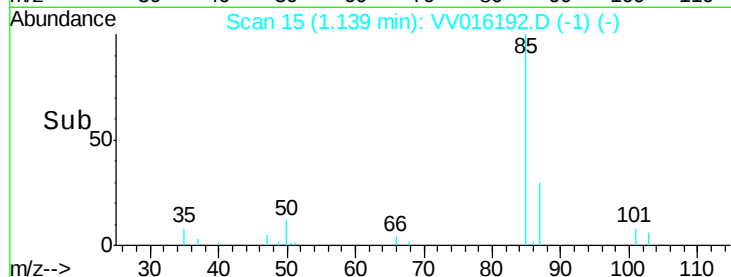
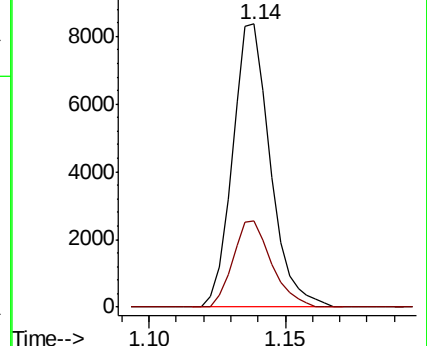
85 100

87 31.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.175 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016192.D

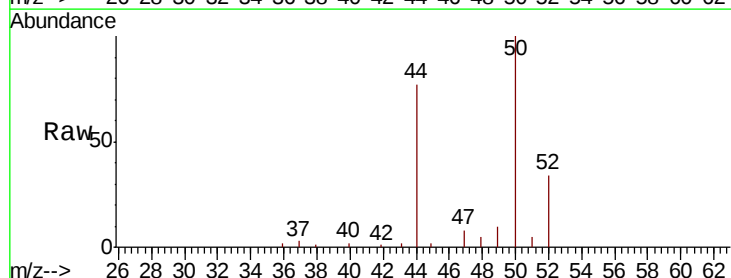
Acq: 26 May 2020 15:23

Tgt Ion: 50 Resp: 9044

Ion Ratio Lower Upper

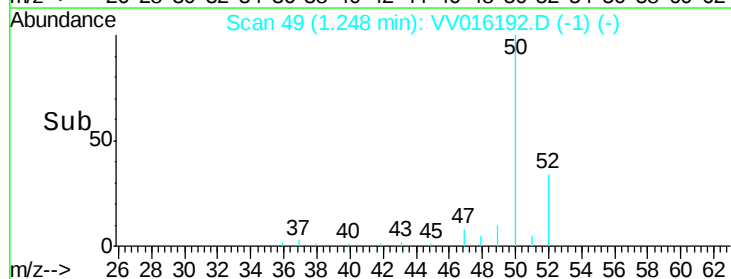
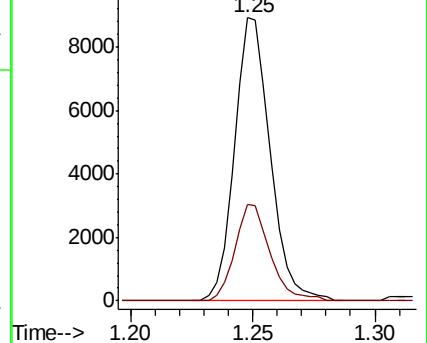
50 100

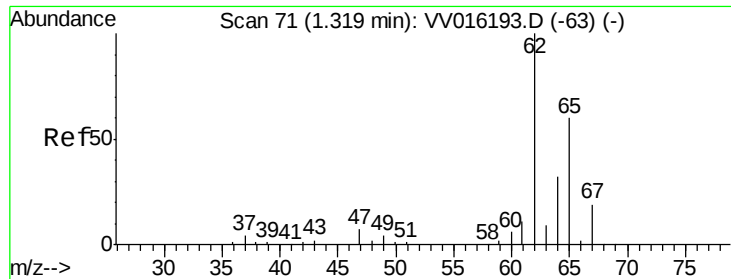
52 34.1 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 1.117 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

Instrument :

MSVOA_V

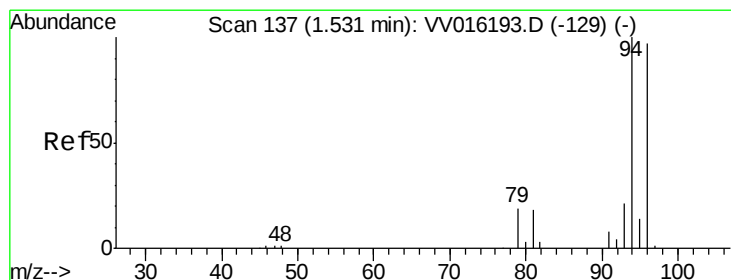
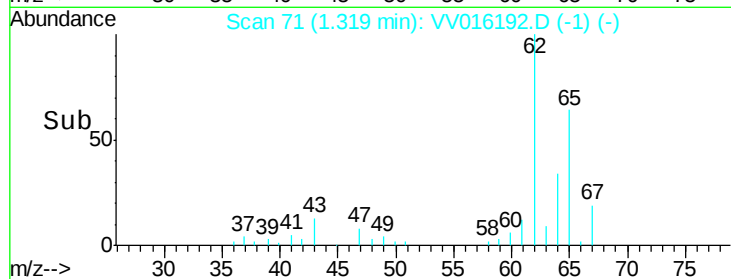
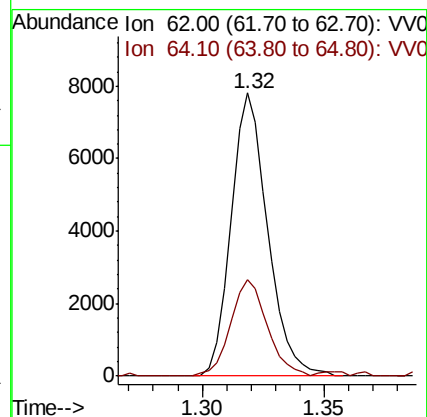
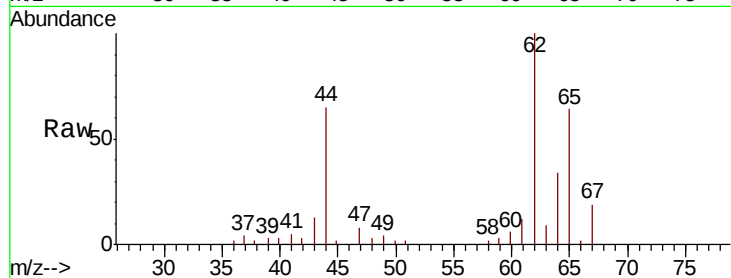
ClientSampleId :

Tot Ion: 62 Resp: 8141

Ion Ratio Lower Upper

62 100

64 34.3 22.1 41.1



#6

Bromomethane

Concen: 1.099 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016192.D

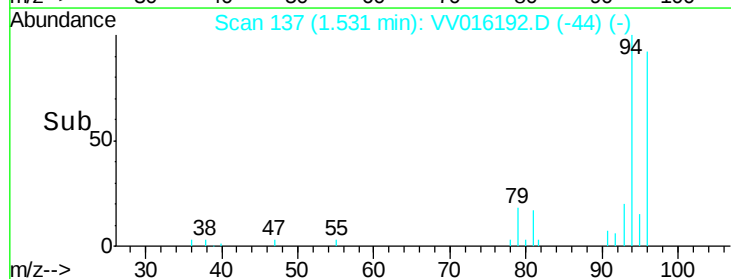
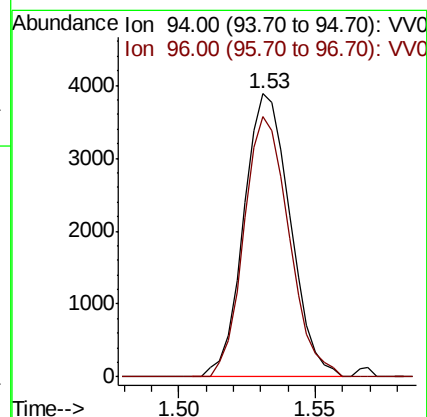
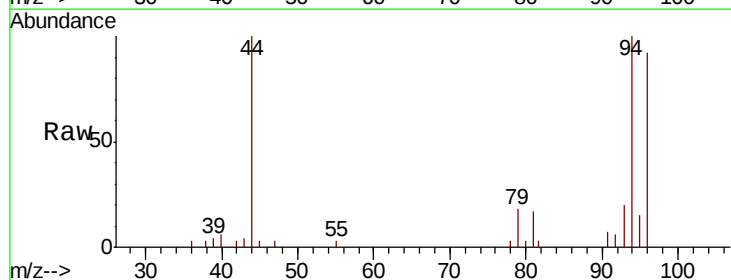
Acq: 26 May 2020 15:23

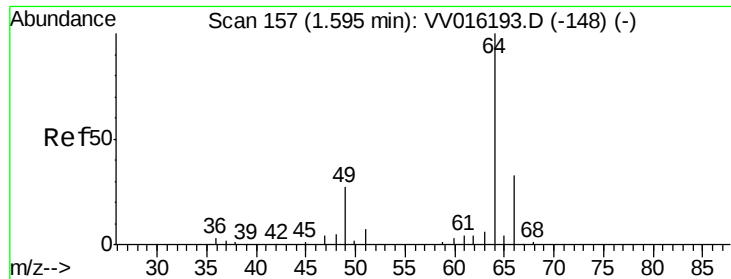
Tgt Ion: 94 Resp: 4571

Ion Ratio Lower Upper

94 100

96 92.0 67.7 125.7

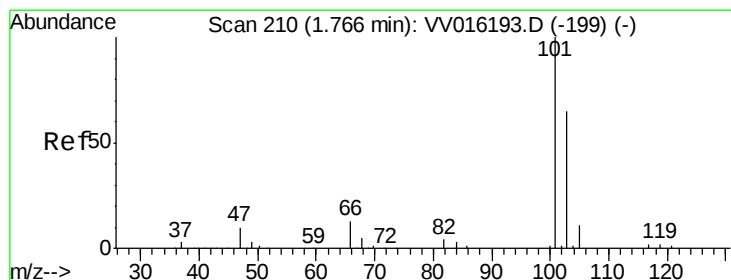
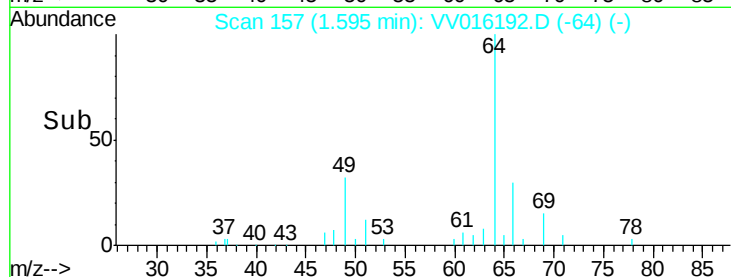
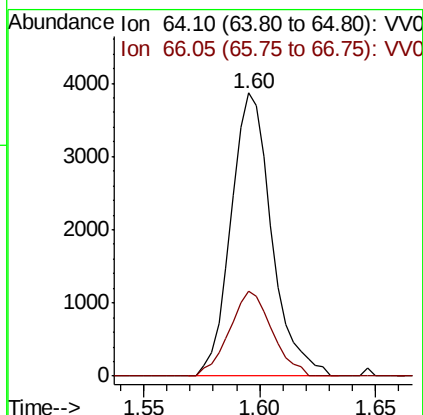
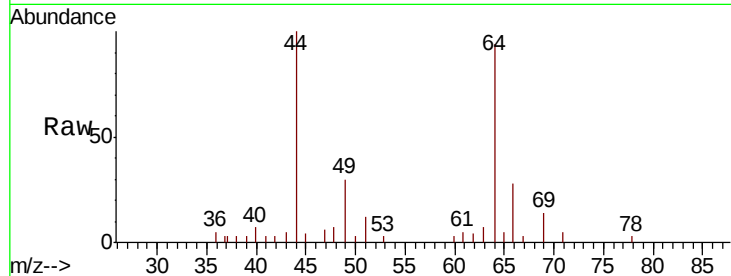




#8
Chloroethane
Concen: 0.922 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

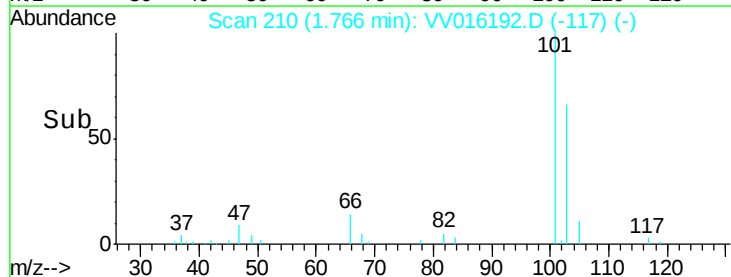
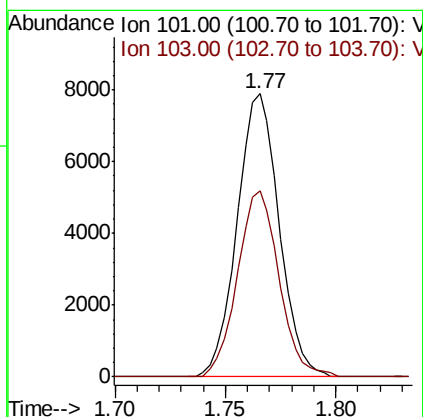
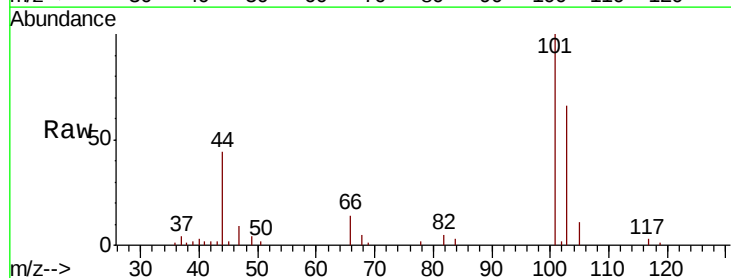
Instrument :
MSVOA_V
ClientSampleId :

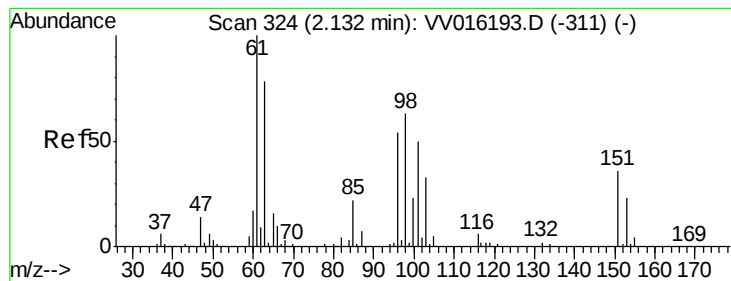
Tot Ion: 64 Resp: 4703
Ion Ratio Lower Upper
64 100
66 30.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 1.058 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

Tgt Ion: 101 Resp: 10446
Ion Ratio Lower Upper
101 100
103 65.0 51.9 77.9





#10

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

Concen: 1.038 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

Instrument :

MSVOA_V

ClientSampled :

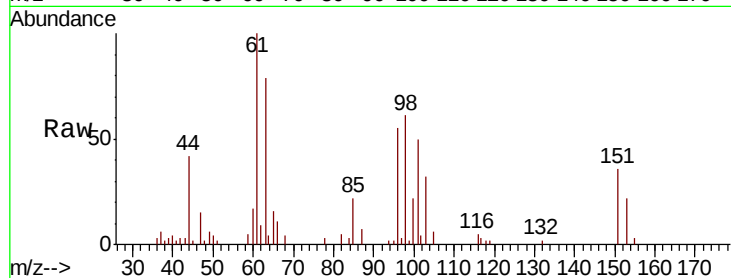
Tot Ion:101 Resp: 5779

Ion Ratio Lower Upper

101 100

85 44.7 35.0 52.6

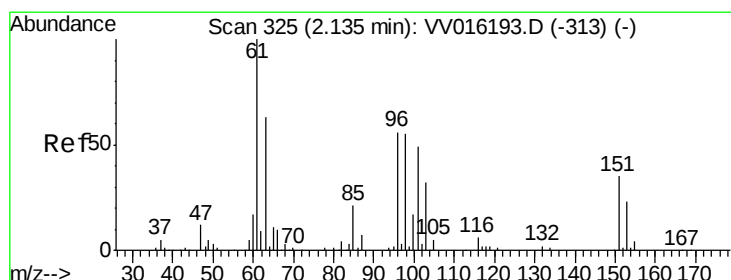
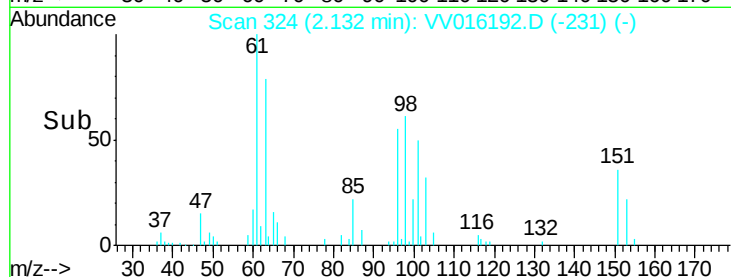
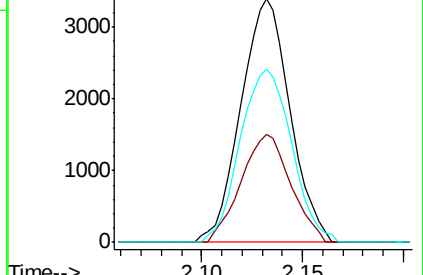
151 74.5 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): VV016193.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV016193.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV016193.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 1.054 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

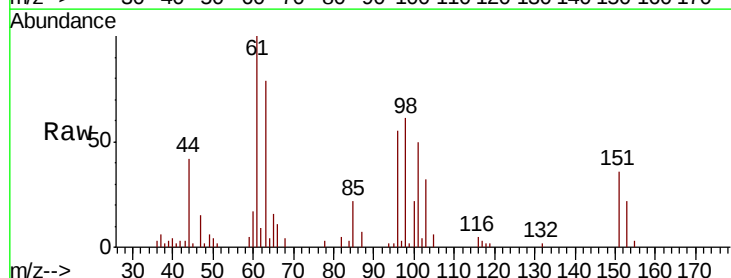
Tgt Ion: 96 Resp: 5587

Ion Ratio Lower Upper

96 100

61 180.8 124.9 231.9

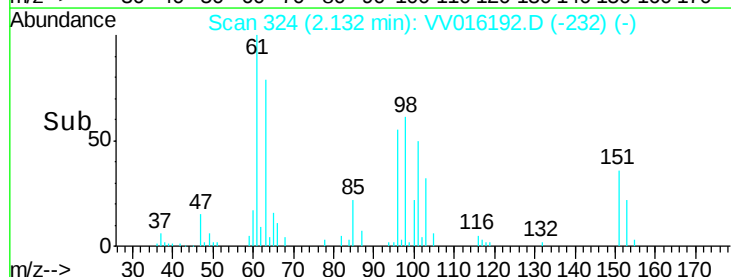
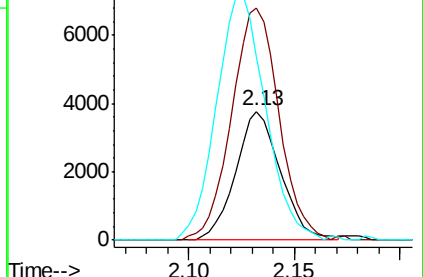
63 143.0 80.4 149.2

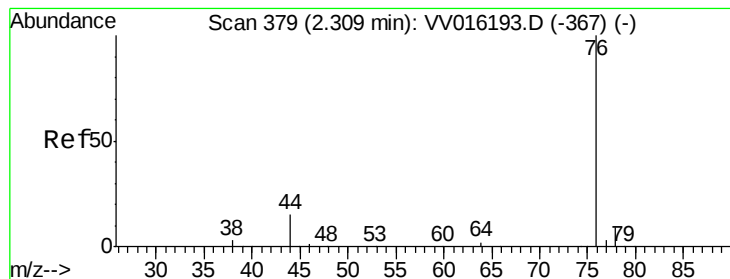


Abundance Ion 96.00 (95.70 to 96.70): VV016193.D (-313) (-)

Ion 61.05 (60.75 to 61.75): VV016193.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV016193.D (-313) (-)





#14

Carbon disulfide

Concen: 0.956 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

Instrument :

MSVOA_V

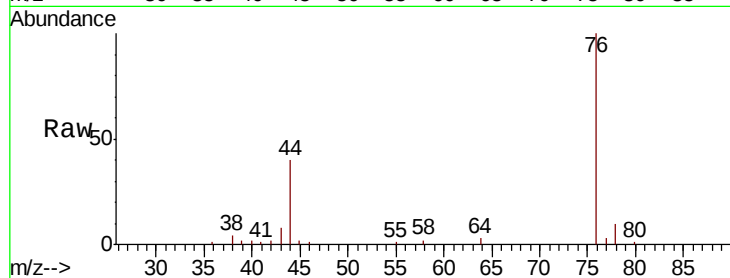
ClientSampleId :

Tot Ion: 76 Resp: 16489

Ion Ratio Lower Upper

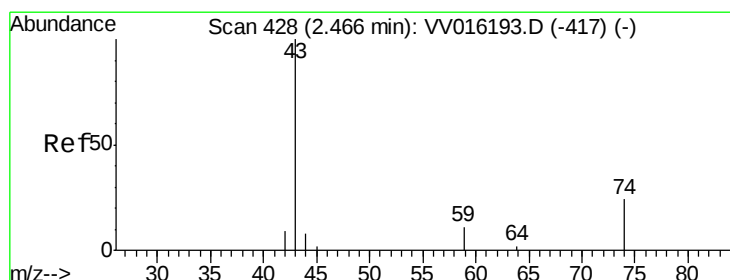
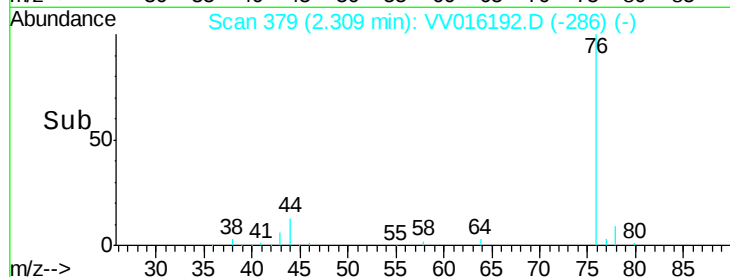
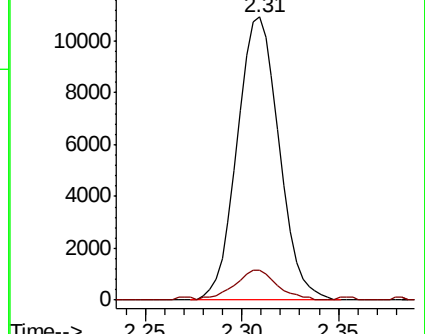
76 100

78 10.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.584 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV016192.D

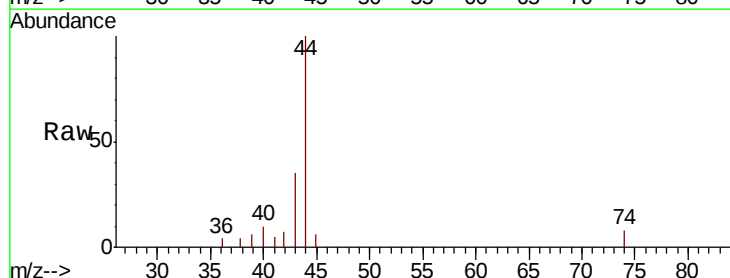
Acq: 26 May 2020 15:23

Tgt Ion: 43 Resp: 1333

Ion Ratio Lower Upper

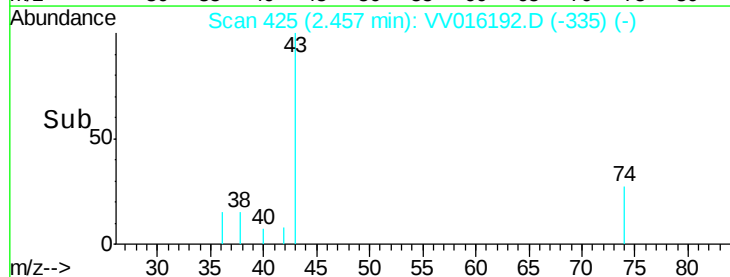
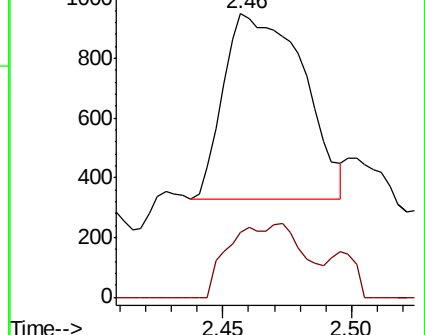
43 100

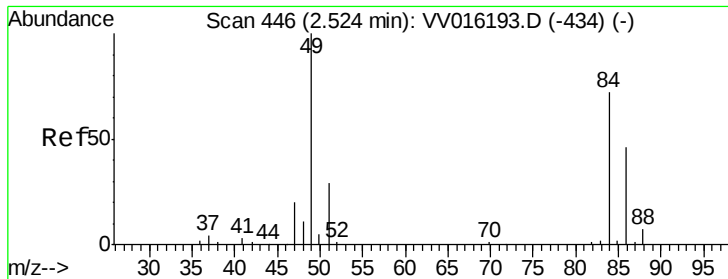
74 37.1 18.1 27.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

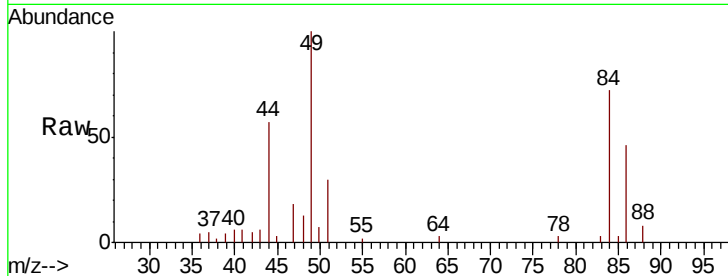




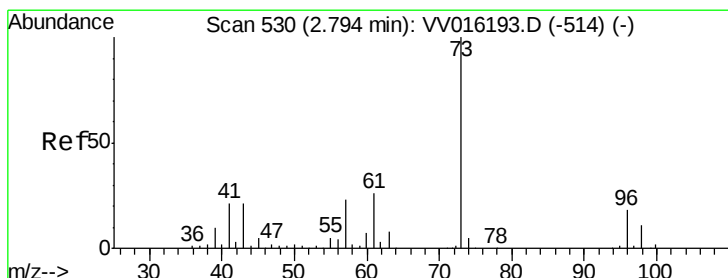
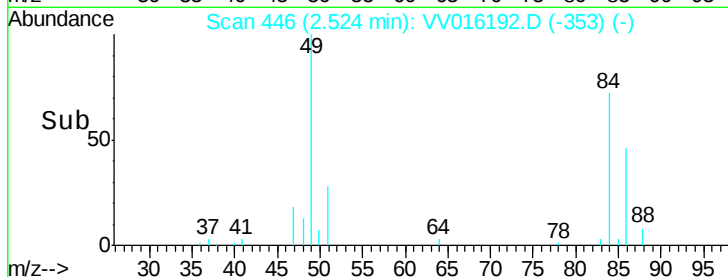
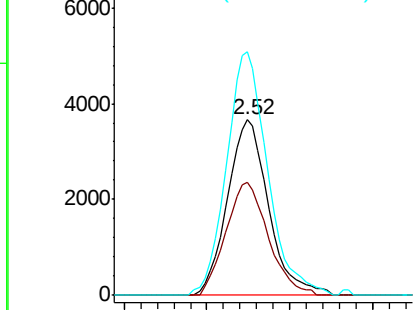
#16
Methylene chloride
Concen: 1.010 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 6331
Ion Ratio Lower Upper
84 100
86 64.1 44.9 83.5
49 138.6 96.7 179.7

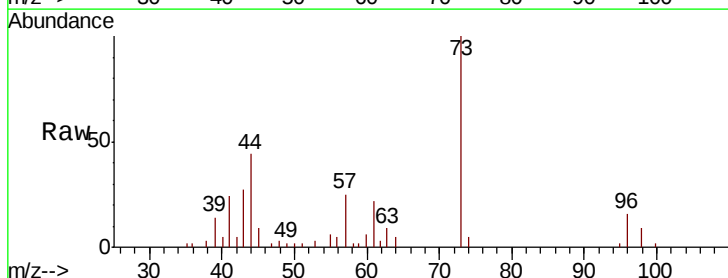


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

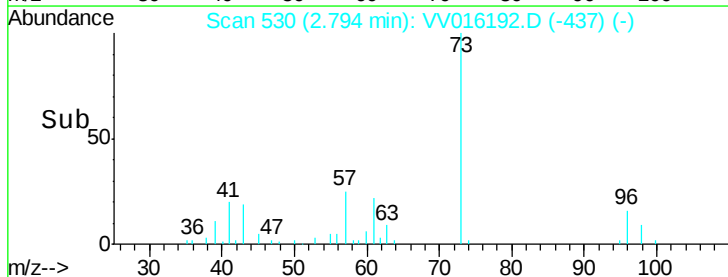
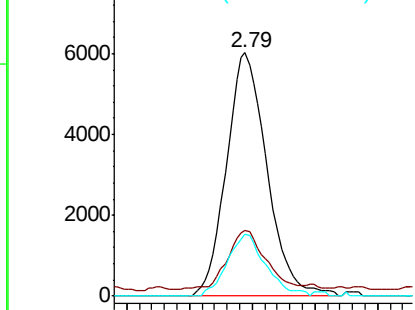


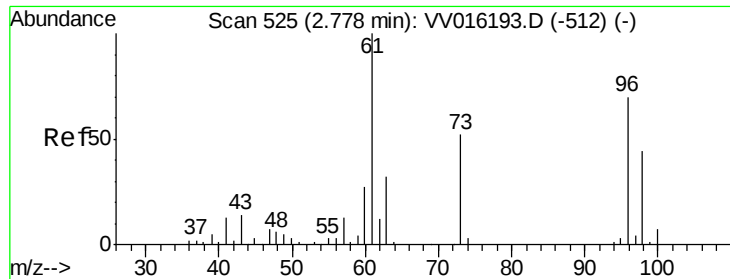
#17
Methyl tert-butyl Ether
Concen: 0.991 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

Tgt Ion: 73 Resp: 13515
Ion Ratio Lower Upper
73 100
43 23.7 17.8 26.8
57 24.1 18.9 28.3



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

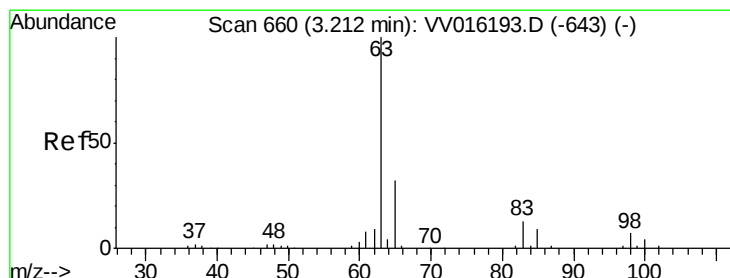
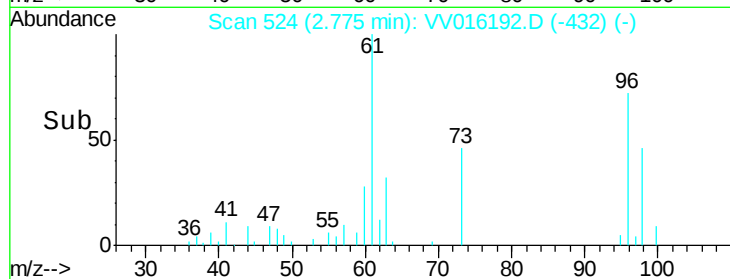
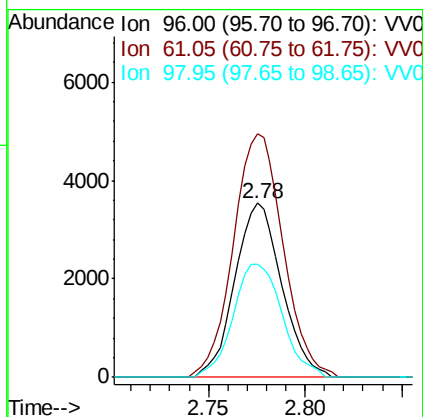
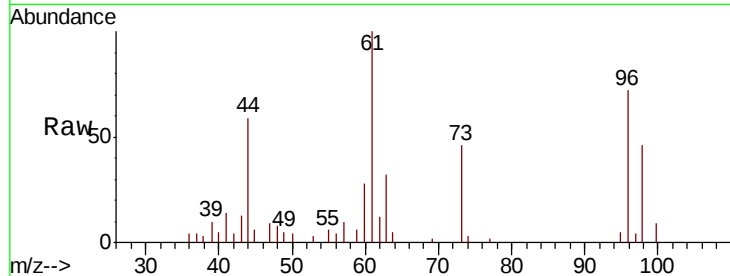




#18
trans-1,2-Dichloroethene
Concen: 1.025 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

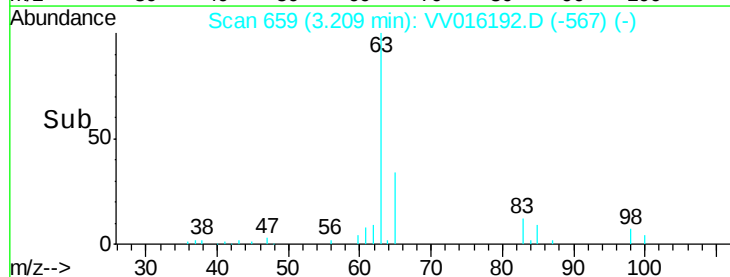
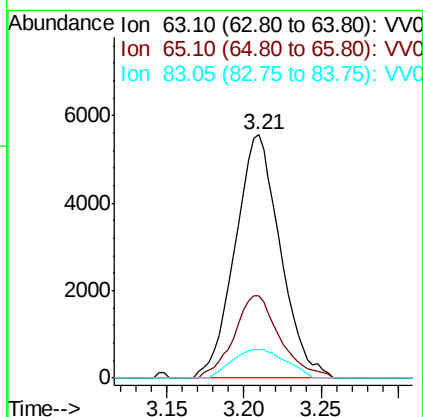
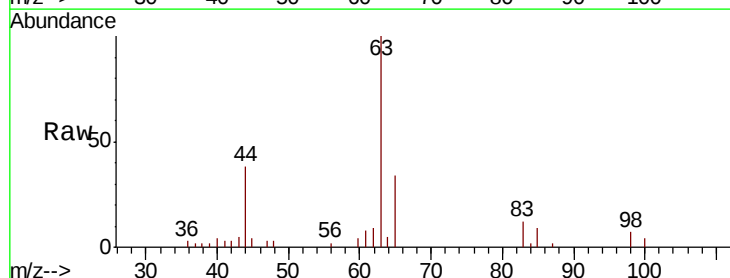
Instrument :
MSVOA_V
ClientSampleId :

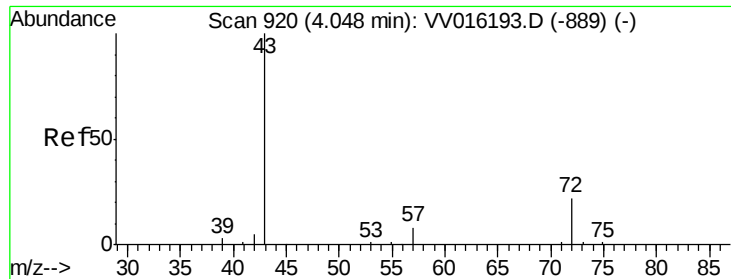
Tot Ion: 96 Resp: 5971
Ion Ratio Lower Upper
96 100
61 139.8 99.8 185.4
98 65.0 44.0 81.6



#19
1,1-Dichloroethane
Concen: 1.014 ug/L
RT: 3.21 min Scan# 659
Delta R.T. -0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

Tgt Ion: 63 Resp: 11275
Ion Ratio Lower Upper
63 100
65 33.9 22.3 41.5
83 11.9 9.4 17.4





#21

2-Butanone

Concen: 9.670 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.01 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

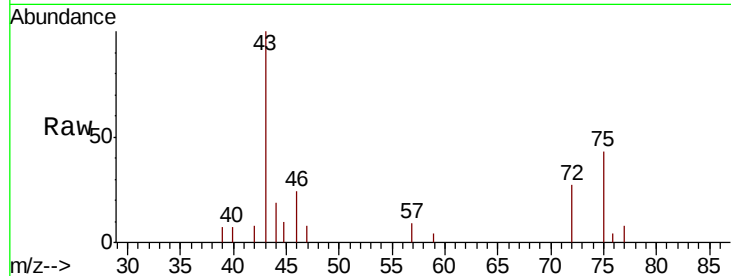
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 14623

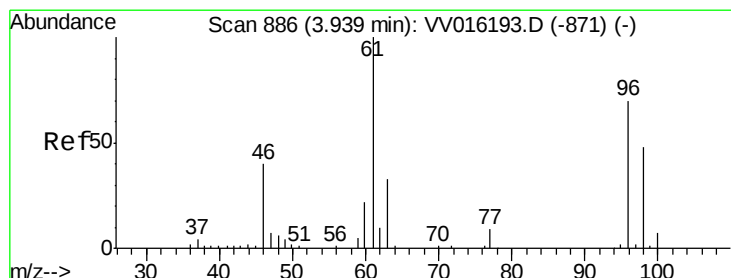
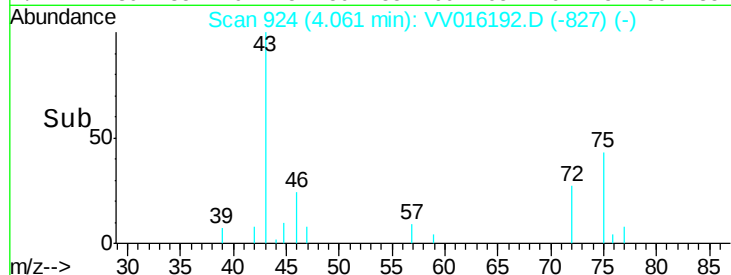
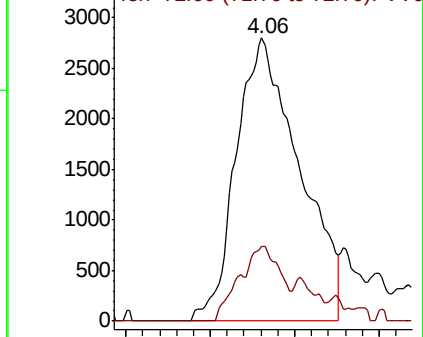
Ion Ratio Lower Upper

43 100

72 17.2 9.7 28.9



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: 1.129 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

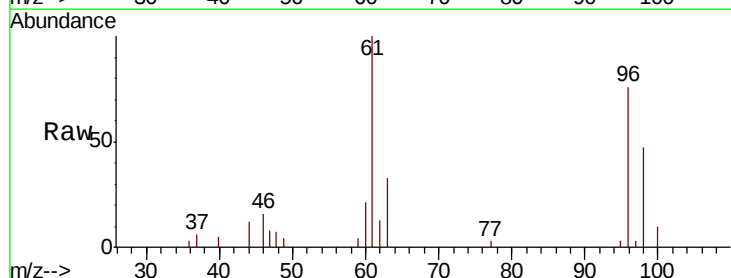
Tgt Ion: 96 Resp: 7006

Ion Ratio Lower Upper

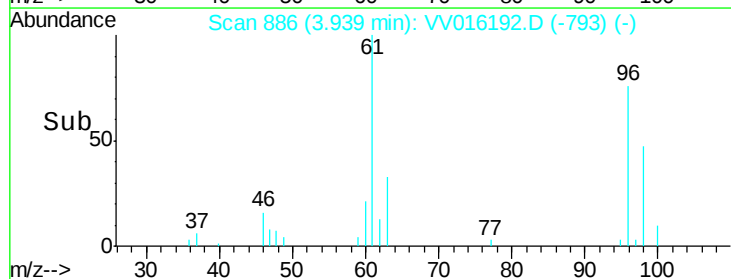
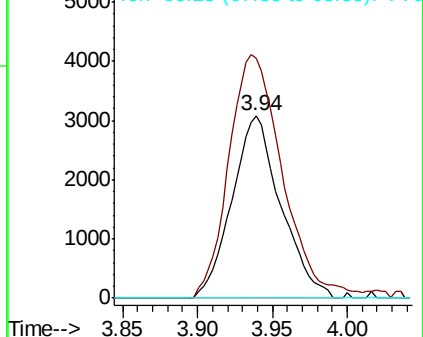
96 100

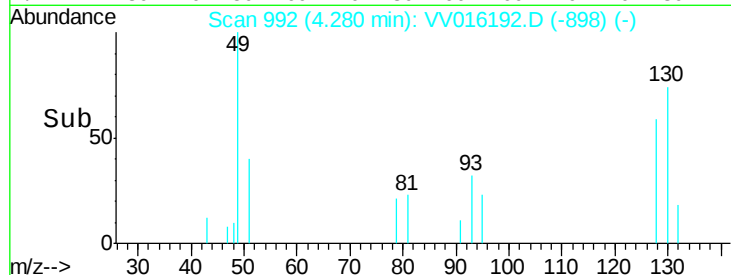
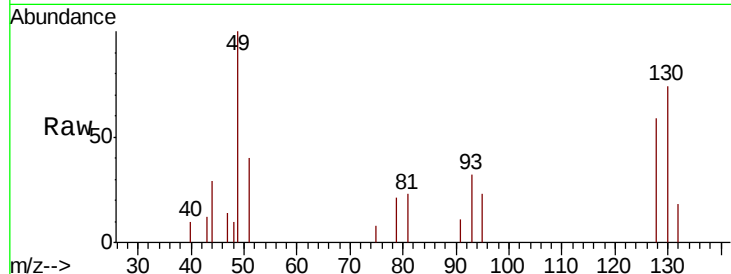
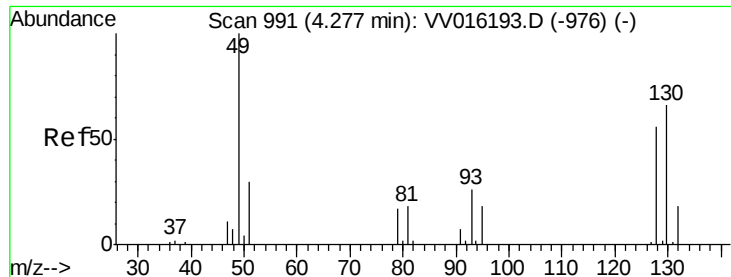
61 131.5 99.7 185.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0

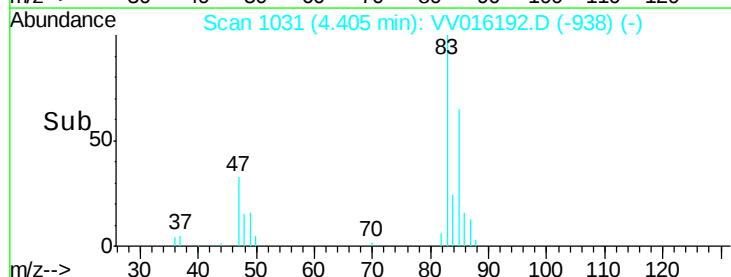
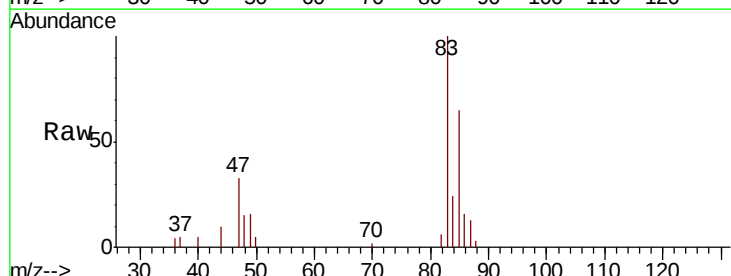
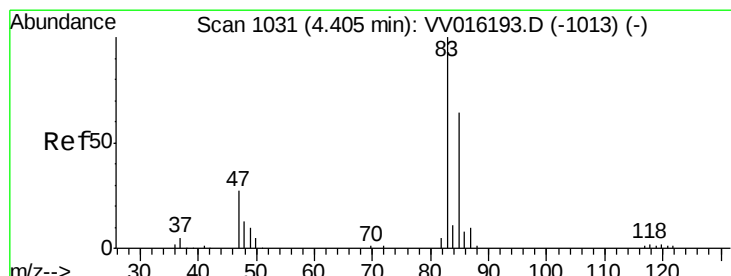
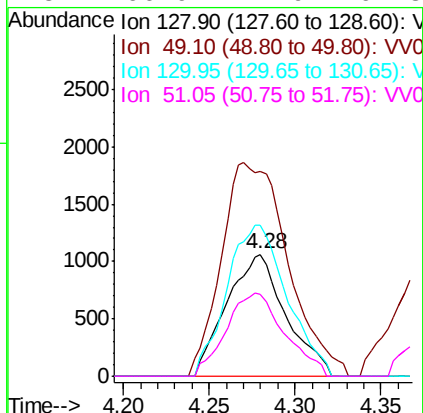




#23
Bromochloromethane
Concen: 0.978 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

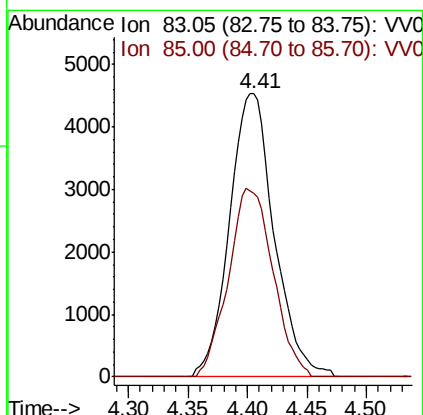
Instrument :
MSVOA_V
ClientSampleId :

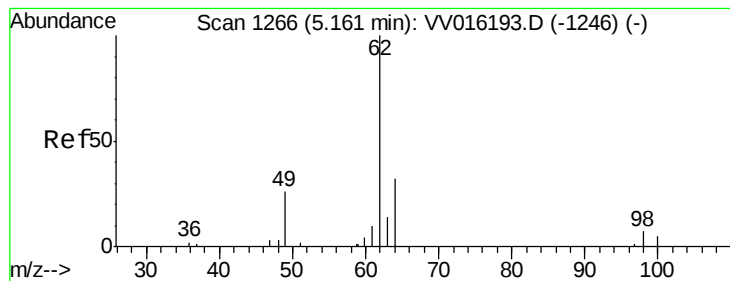
Tot Ion:128 Resp: 2545
Ion Ratio Lower Upper
128 100
49 168.3 125.5 233.1
130 124.6 83.0 154.2
51 66.9 42.9 64.3#



#25
Chloroform
Concen: 0.963 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

Tgt Ion: 83 Resp: 11784
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.7





#27

1,2-Dichloroethane

Concen: 0.977 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

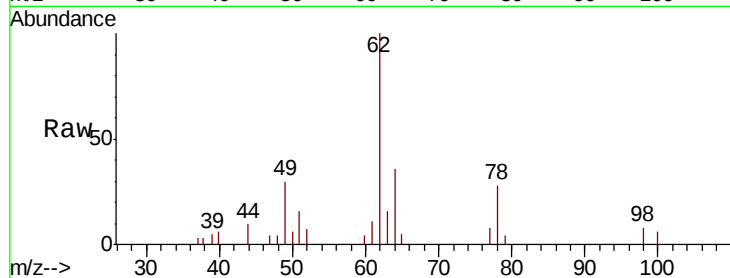
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 7476

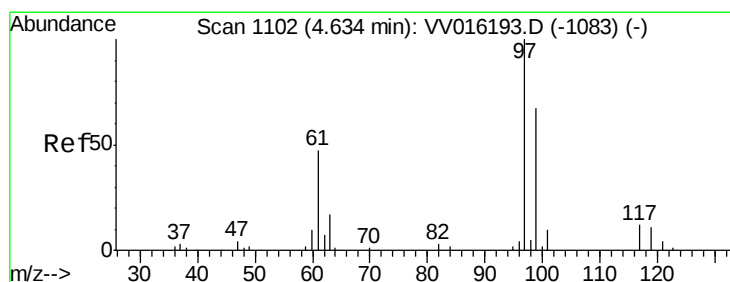
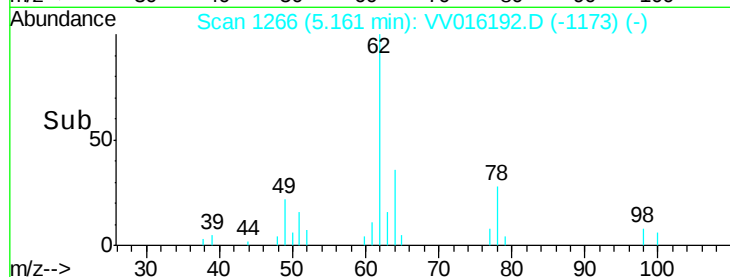
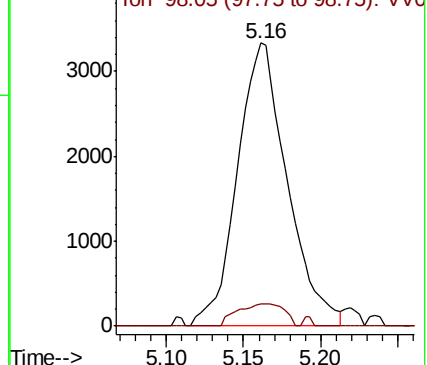
Ion Ratio Lower Upper

62 100

98 7.8 5.7 8.5



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 1.010 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

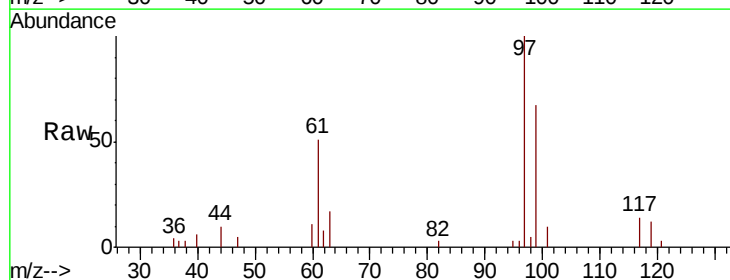
Tgt Ion: 97 Resp: 10297

Ion Ratio Lower Upper

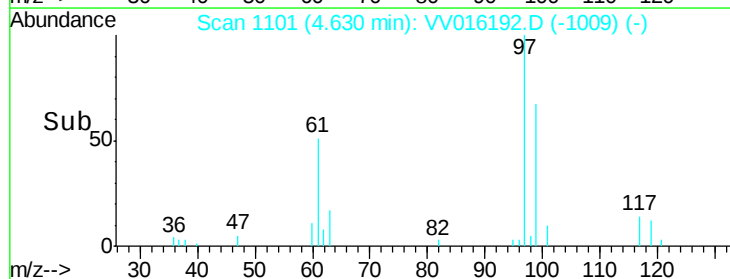
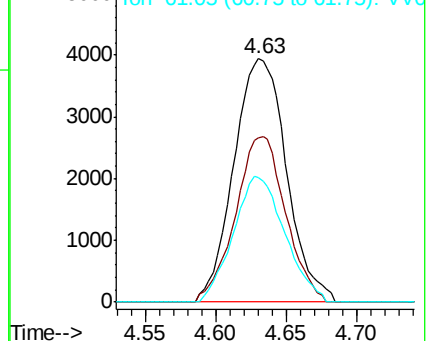
97 100

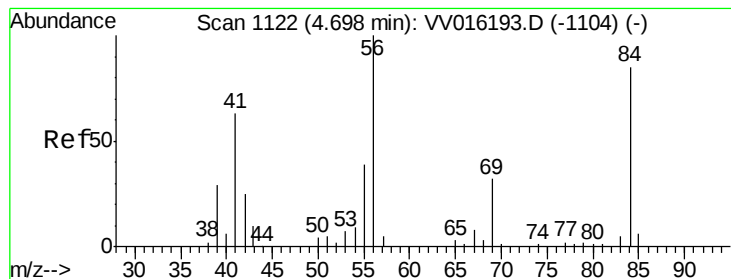
99 64.7 51.2 76.8

61 50.4 38.6 57.8



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0





#30

Cvclohexane

Concen: 1.051 ug/L

RT: 4.69 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

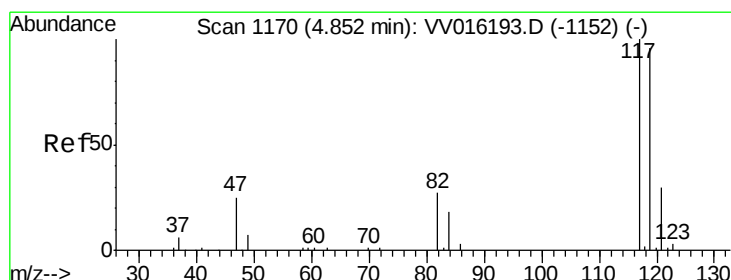
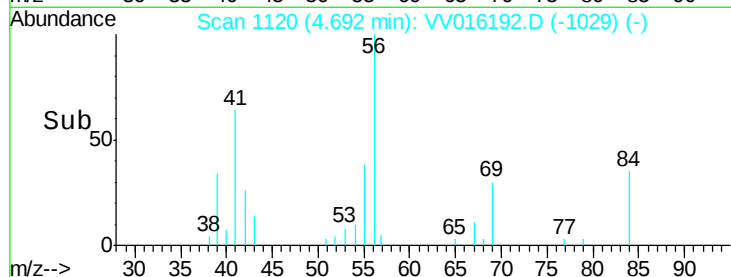
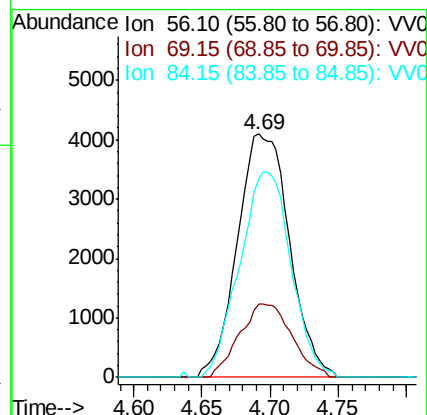
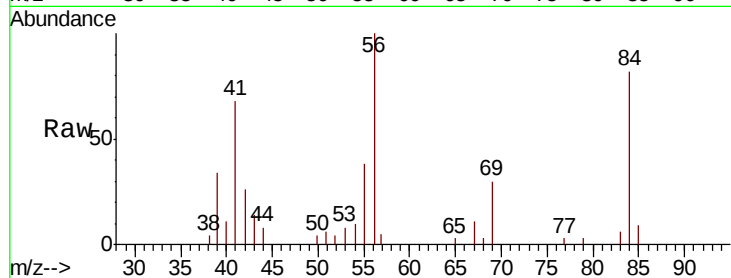
Tot Ion: 56 Resp: 10886

Ion Ratio Lower Upper

56 100

69 30.4 24.6 36.8

84 83.2 67.1 100.7



#31

Carbon tetrachloride

Concen: 0.991 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VV016192.D

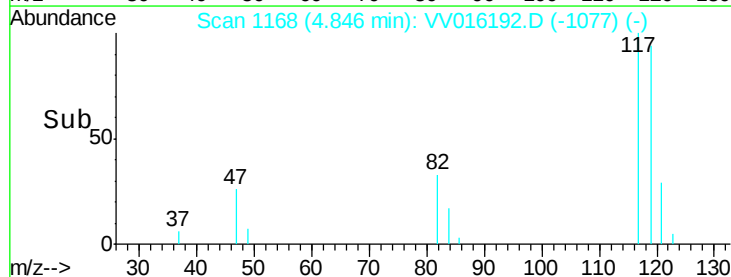
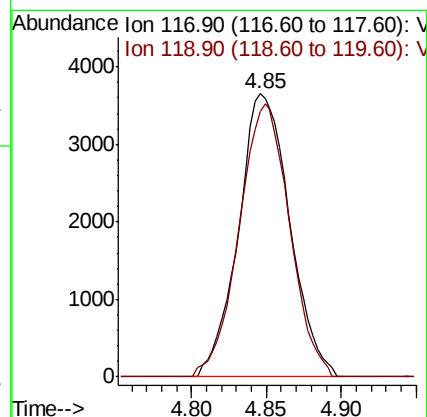
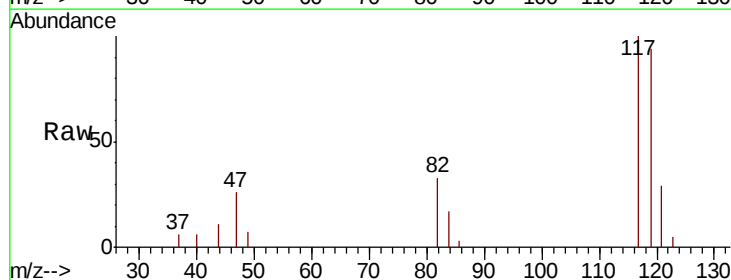
Acq: 26 May 2020 15:23

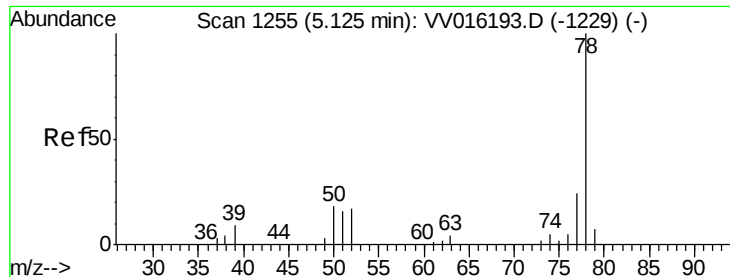
Tgt Ion: 117 Resp: 8714

Ion Ratio Lower Upper

117 100

119 94.8 75.2 112.8





#33

Benzene

Concen: 1.073 ug/L

RT: 5.13 min Scan# 1255

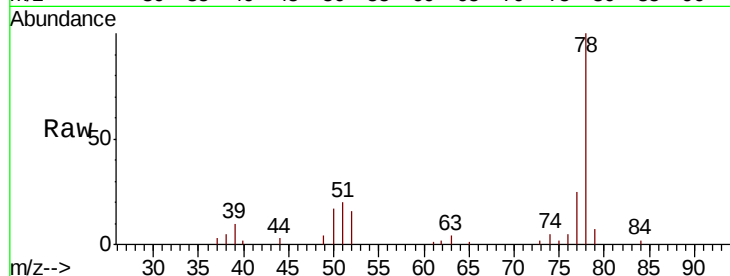
Delta R.T. 0.00 min

Lab File: VV016192.D

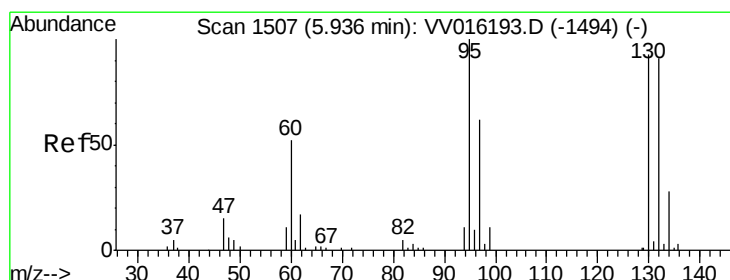
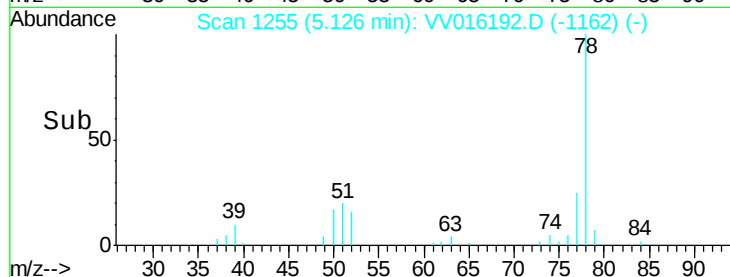
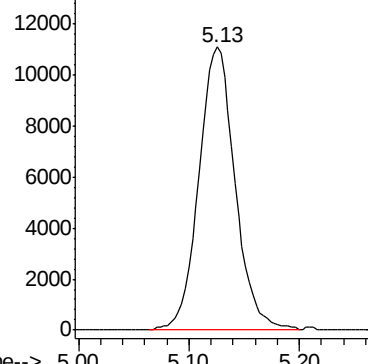
Acq: 26 May 2020 15:23

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 25287



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 1.029 ug/L

RT: 5.94 min Scan# 1508

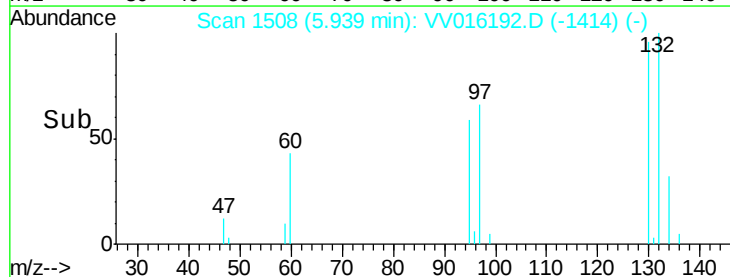
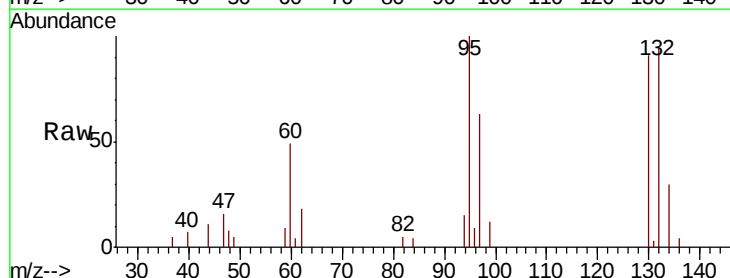
Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

Tgt Ion: 95 Resp: 6776

Ion	Ratio	Lower	Upper
95	100		
97	62.9	43.6	81.0
132	94.8	63.9	118.7
130	91.2	65.2	121.0

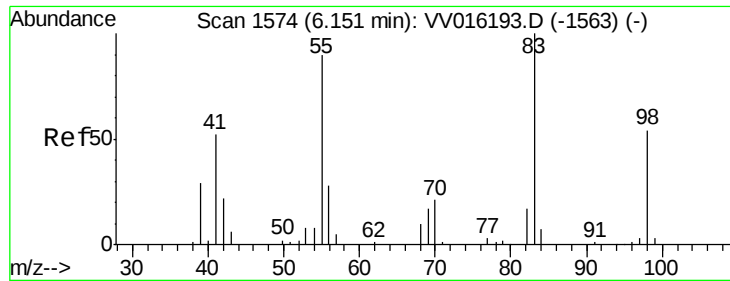


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

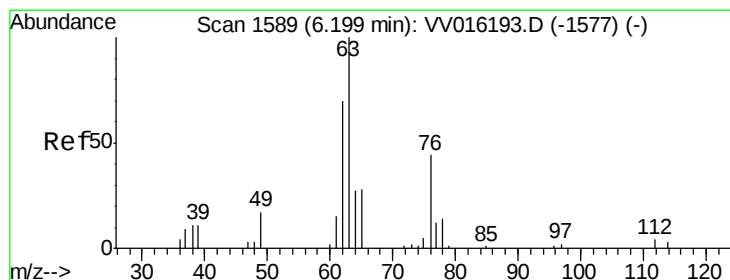
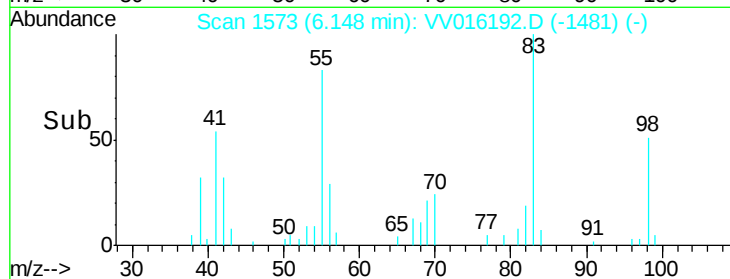
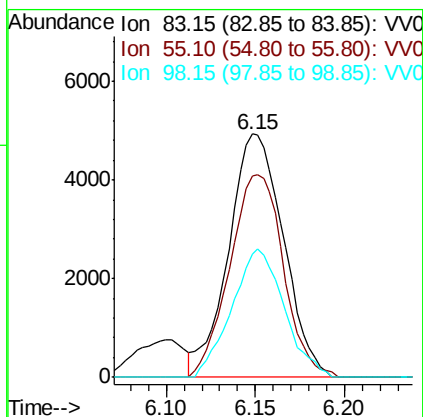
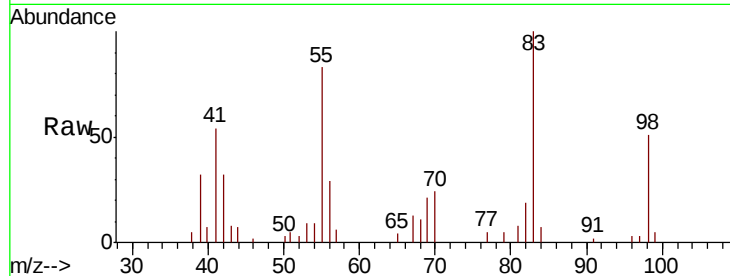
Ion 129.95 (129.65 to 130.65): VV0



#35
Methvlcvclohexane
Concen: 1.035 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

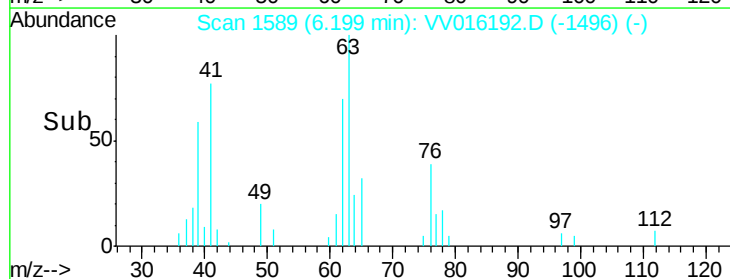
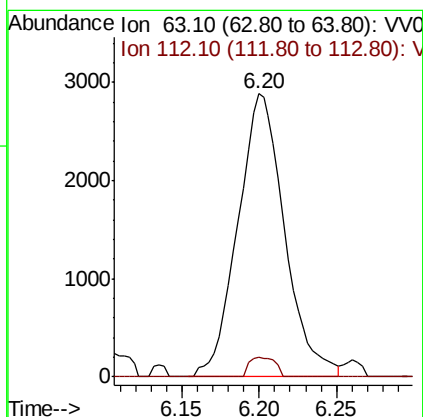
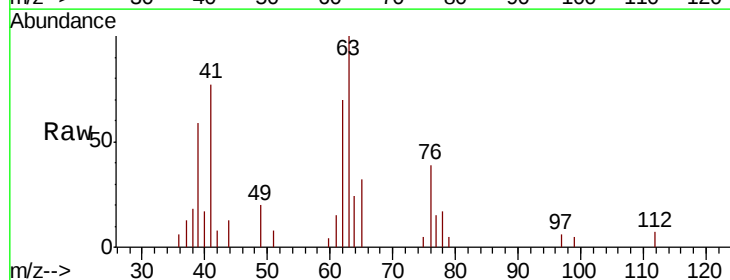
Instrument :
MSVOA_V
ClientSampleId :

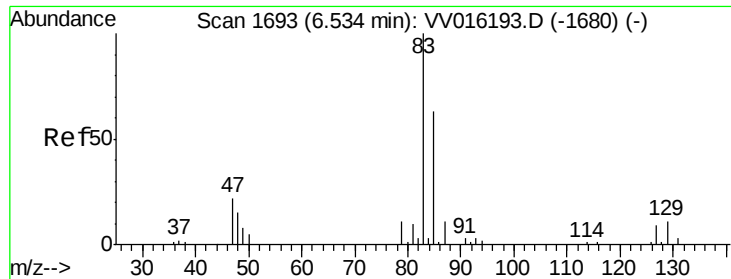
Tot Ion: 83 Resp: 10551
Ion Ratio Lower Upper
83 100
55 81.5 65.4 98.0
98 50.3 39.3 58.9



#37
1,2-Dichloropropane
Concen: 1.013 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

Tgt Ion: 63 Resp: 6071
Ion Ratio Lower Upper
63 100
112 3.8 3.1 4.7

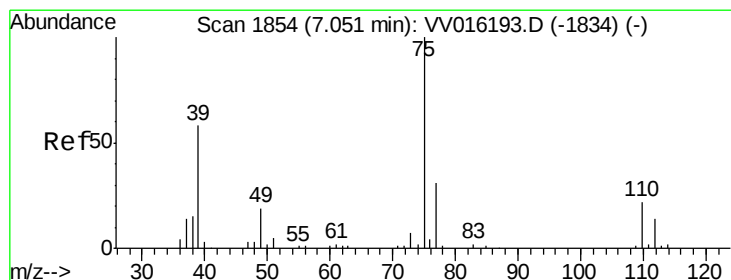
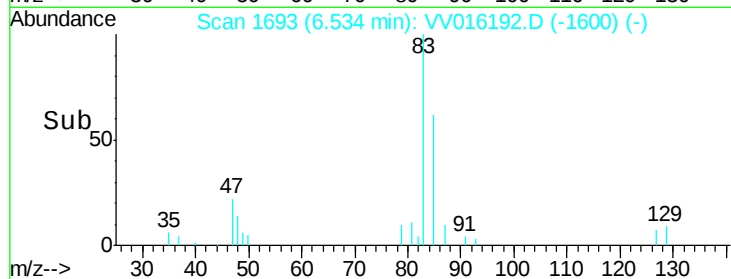
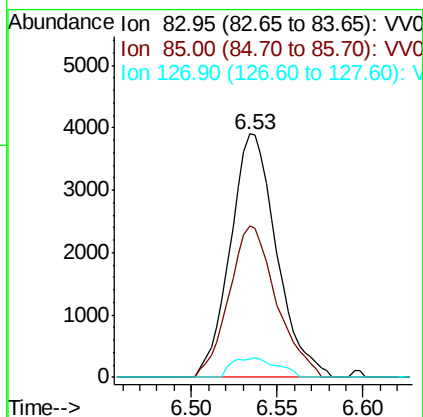
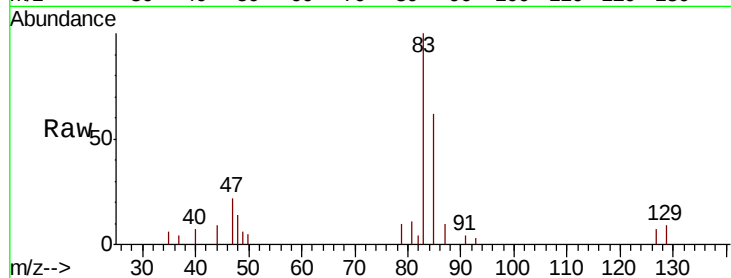




#38
 Bromodichloromethane
 Concen: 0.974 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

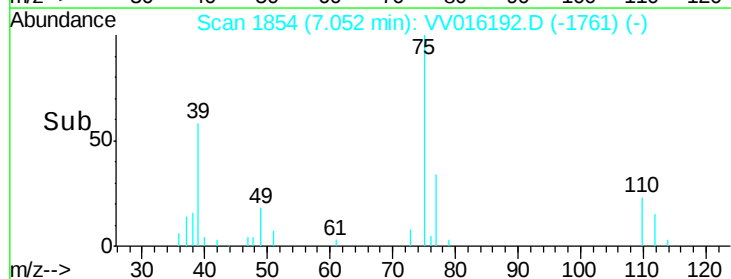
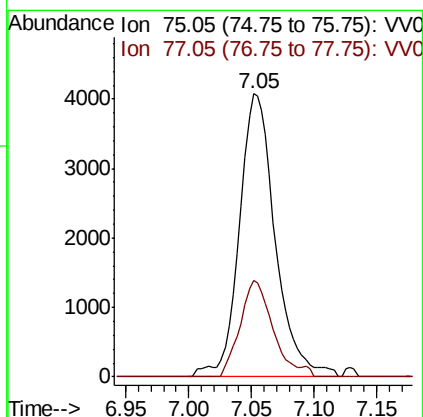
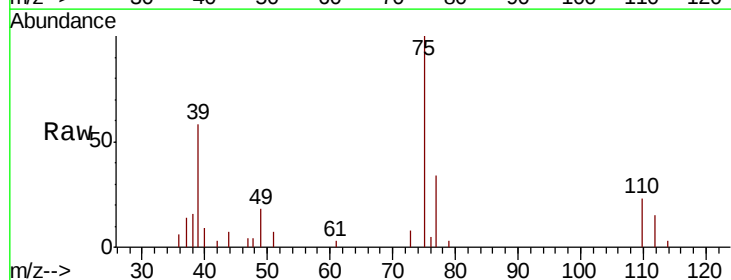
Instrument :
 MSVOA_V
 ClientSampleId :

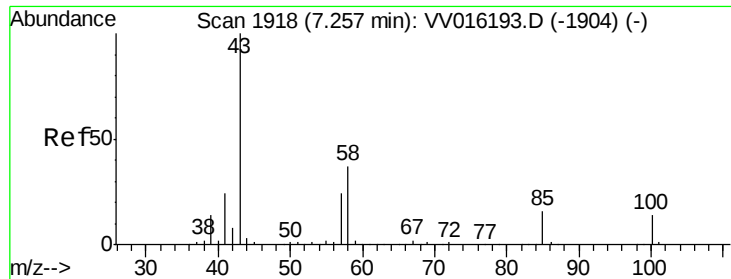
Tot Ion: 83 Resp: 7296
 Ion Ratio Lower Upper
 83 100
 85 62.2 44.2 82.2
 127 7.4 7.1 10.7



#39
 cis-1,3-Dichloropropene
 Concen: 0.967 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

Tgt Ion: 75 Resp: 8125
 Ion Ratio Lower Upper
 75 100
 77 34.0 21.7 40.3

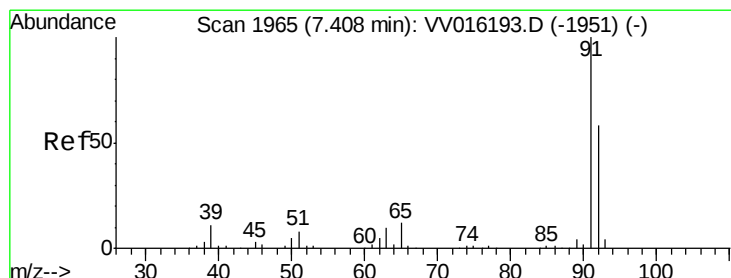
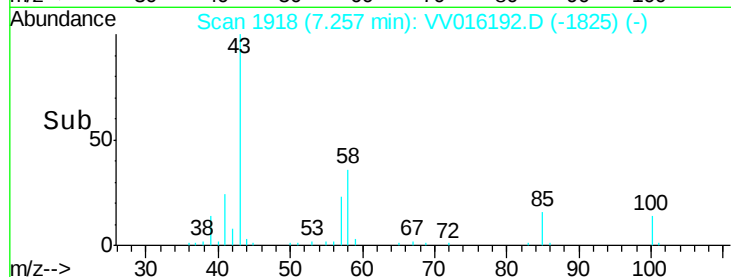
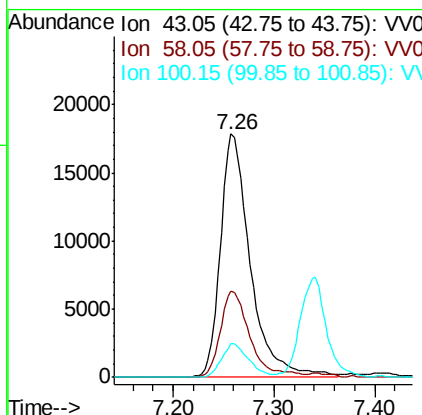
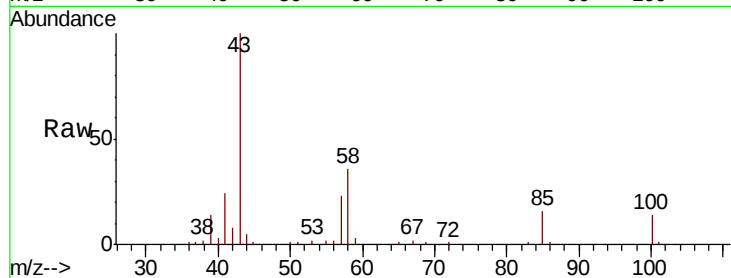




#40
4-Methyl-2-pentanone
Concen: 9.998 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

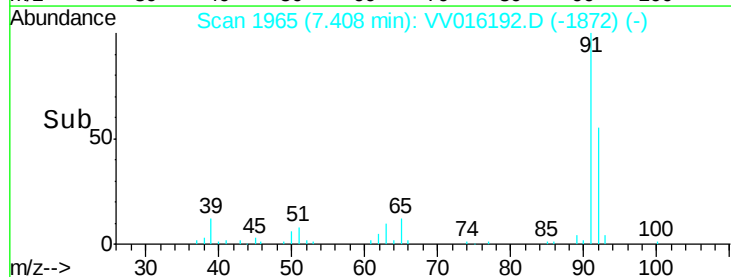
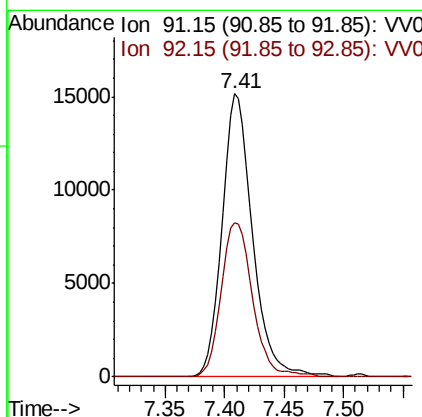
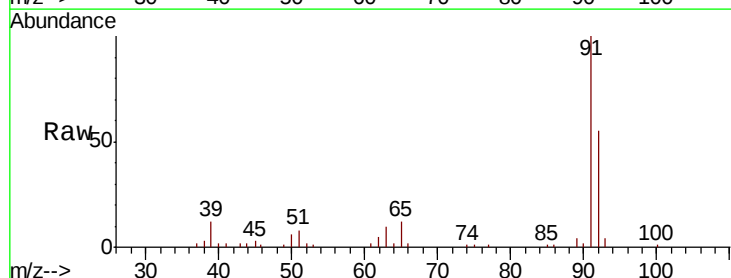
Instrument :
MSVOA_V
ClientSampleId :

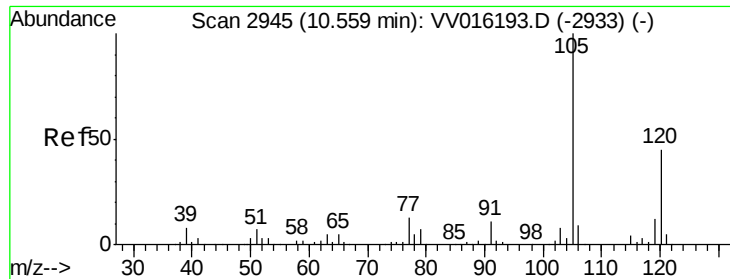
Tot Ion: 43 Resp: 37107
Ion Ratio Lower Upper
43 100
58 35.2 29.5 44.3
100 12.6 11.1 16.7



#42
Toluene
Concen: 1.073 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

Tgt Ion: 91 Resp: 26881
Ion Ratio Lower Upper
91 100
92 54.5 40.9 76.0

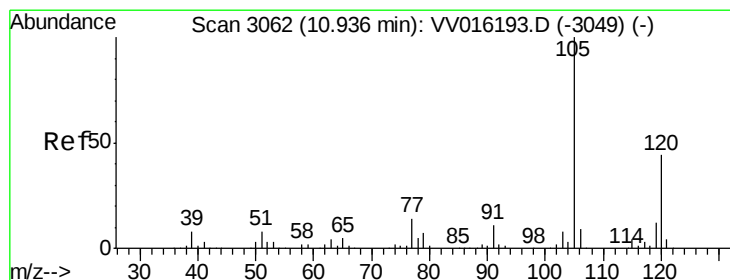
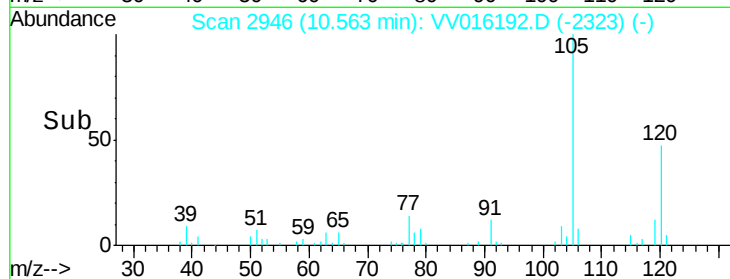
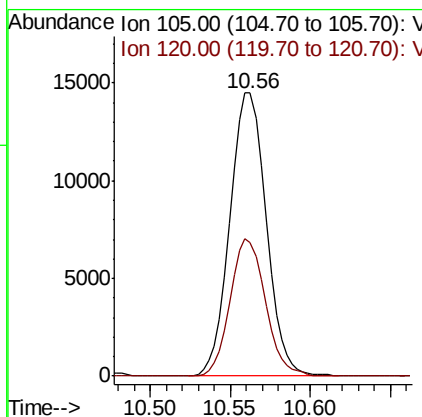
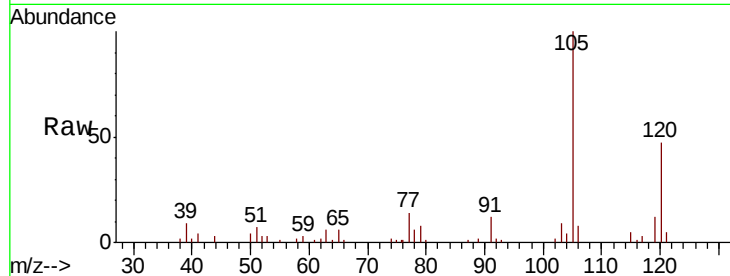




#43
 1,3,5-Trimethylbenzene
 Concen: 0.968 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

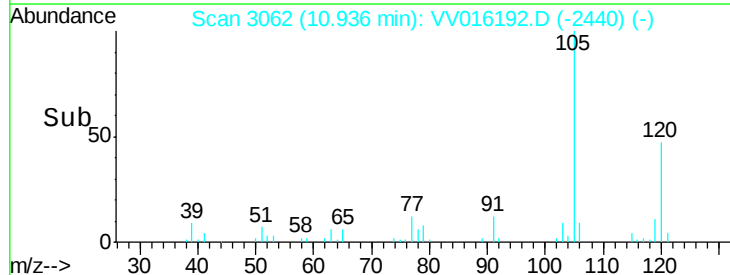
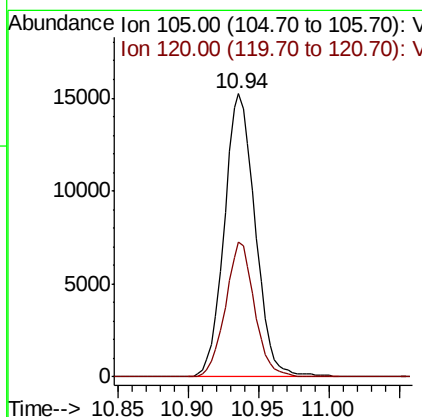
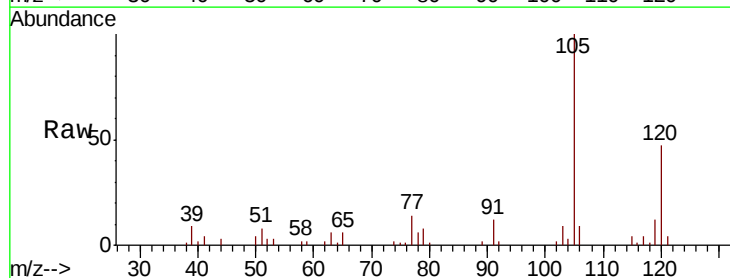
Instrument :
 MSVOA_V
 ClientSampleId :

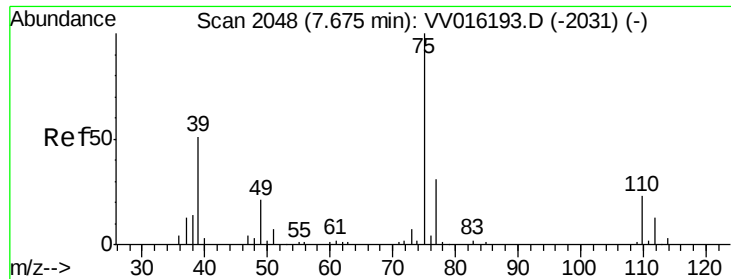
Tot Ion:105 Resp: 22426
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.4 56.0



#44
 1,2,4-Trimethylbenzene
 Concen: 1.005 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

Tgt Ion:105 Resp: 23310
 Ion Ratio Lower Upper
 105 100
 120 44.5 34.6 52.0

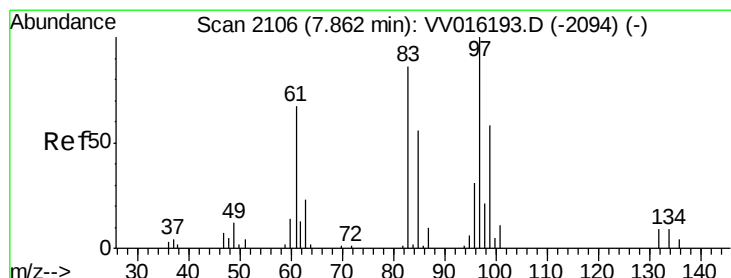
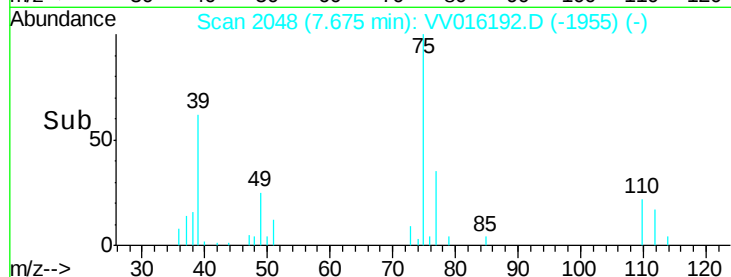
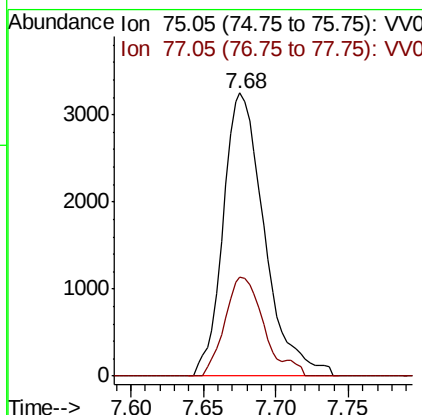
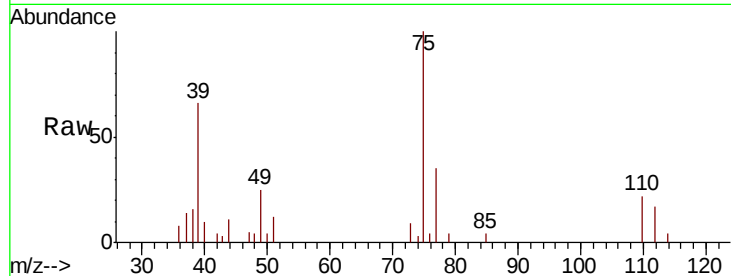




#46
trans-1,3-Dichloropropene
Concen: 0.904 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

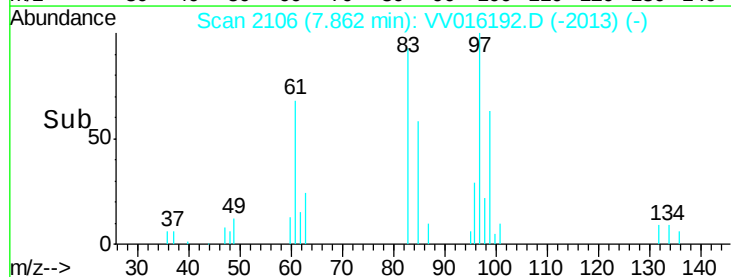
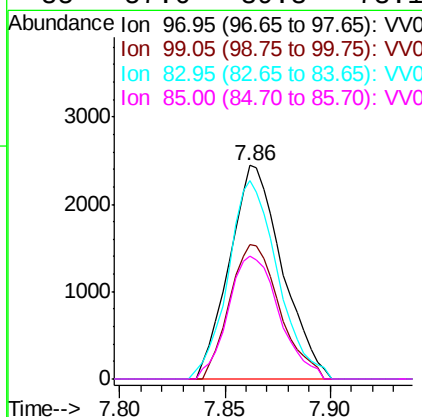
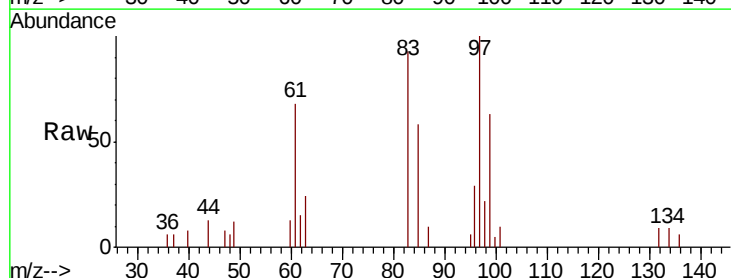
Instrument :
MSVOA_V
ClientSampleId :

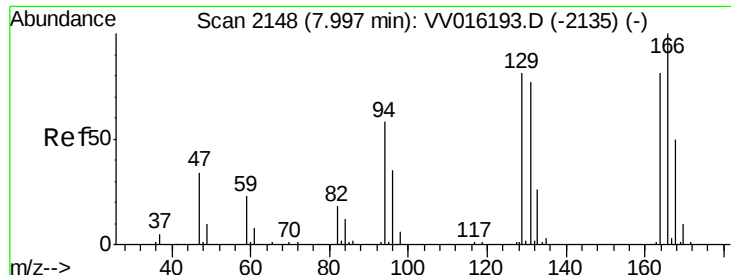
Tot Ion: 75 Resp: 6421
Ion Ratio Lower Upper
75 100
77 35.0 21.7 40.3



#47
1,1,2-Trichloroethane
Concen: 1.064 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

Tgt Ion: 97 Resp: 4241
Ion Ratio Lower Upper
97 100
99 62.9 40.8 75.8
83 93.0 60.0 111.4
85 57.6 39.3 73.1





#49

Tetrachloroethene

Concen: 0.994 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 4619

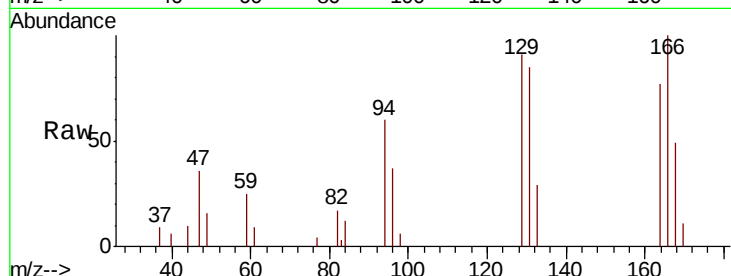
Ion Ratio Lower Upper

164 100

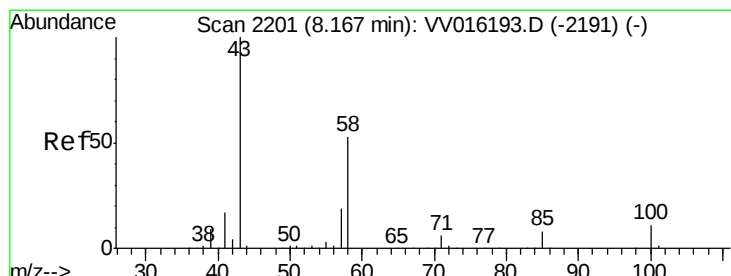
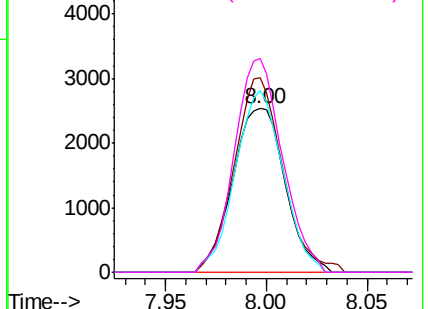
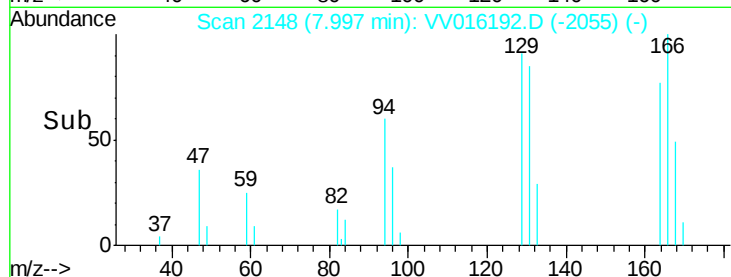
129 119.3 70.7 131.3

131 110.9 66.6 123.8

166 130.6 86.9 161.5



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: 9.170 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

Tgt Ion: 43 Resp: 23928

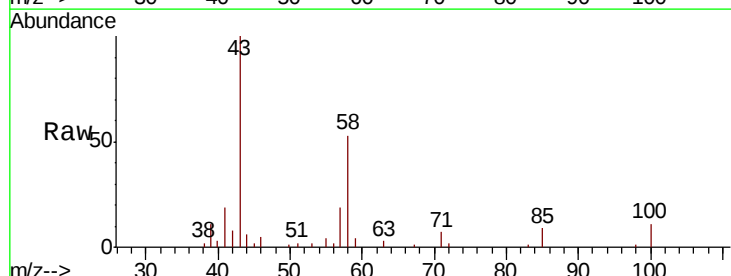
Ion Ratio Lower Upper

43 100

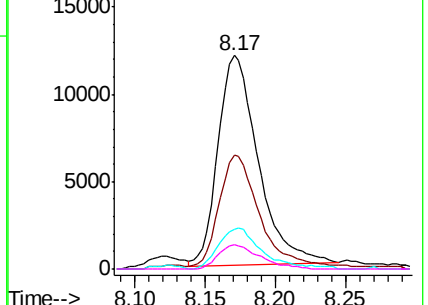
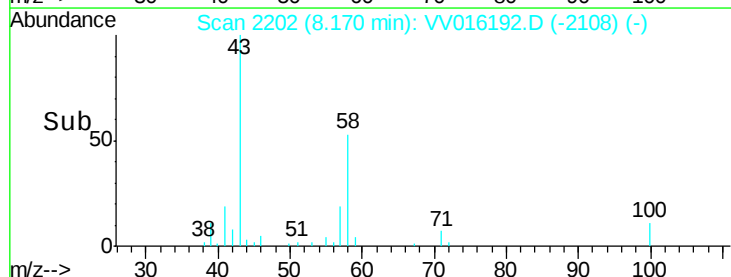
58 57.4 41.4 62.0

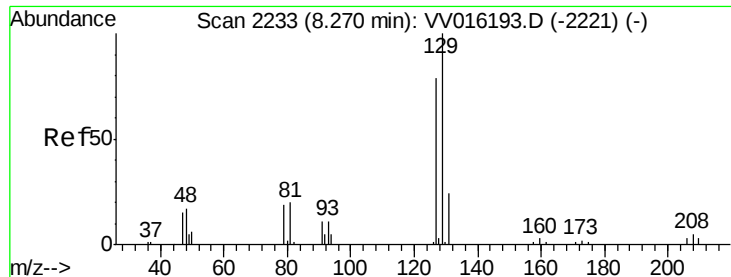
57 20.5 15.0 22.4

100 12.0 9.0 13.4



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

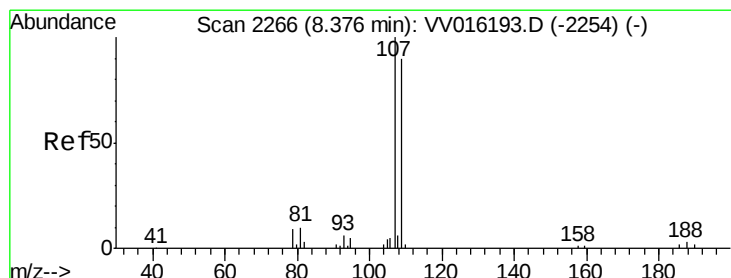
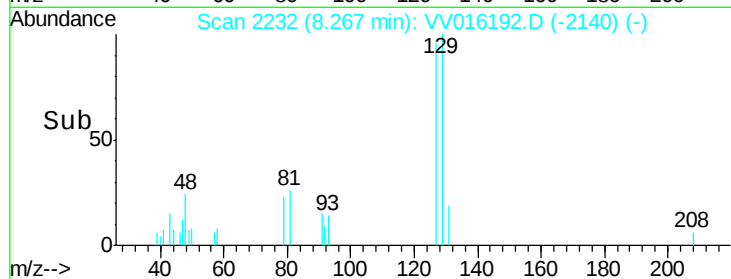
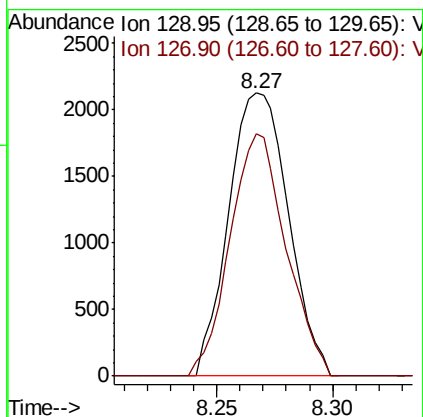
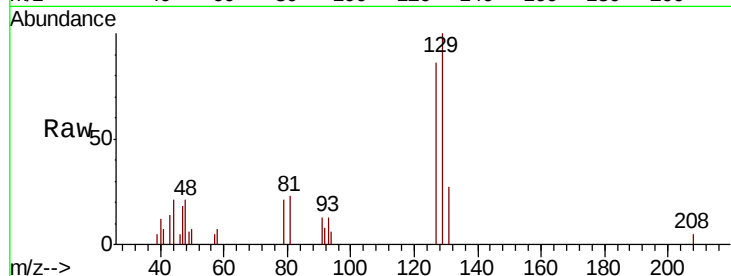




#51
 Dibromochloromethane
 Concen: 0.869 ug/L
 RT: 8.27 min Scan# 2232
 Delta R.T. -0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

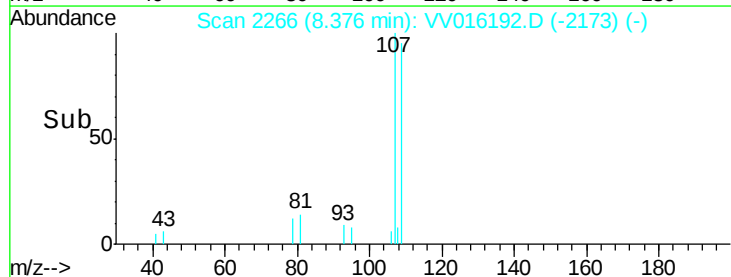
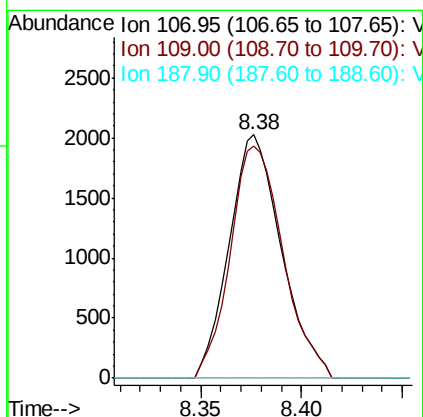
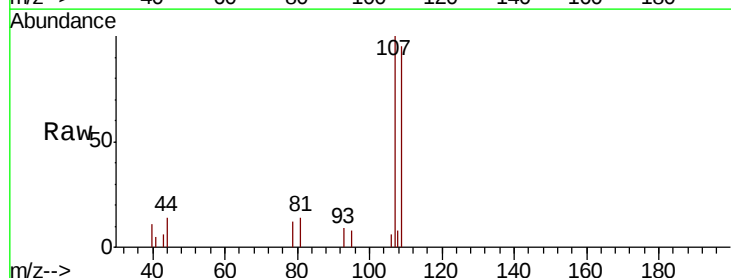
Instrument :
 MSVOA_V
 ClientSampleId :

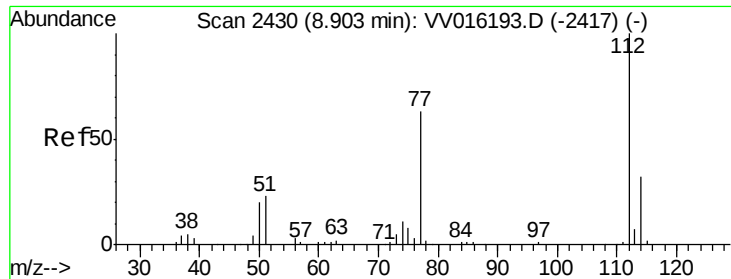
Tot Ion:129 Resp: 3806
 Ion Ratio Lower Upper
 129 100
 127 85.7 55.2 102.4



#52
 1,2-Dibromoethane
 Concen: 0.995 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

Tgt Ion:107 Resp: 3665
 Ion Ratio Lower Upper
 107 100
 109 95.4 63.1 117.3
 188 0.0 2.6 4.0#

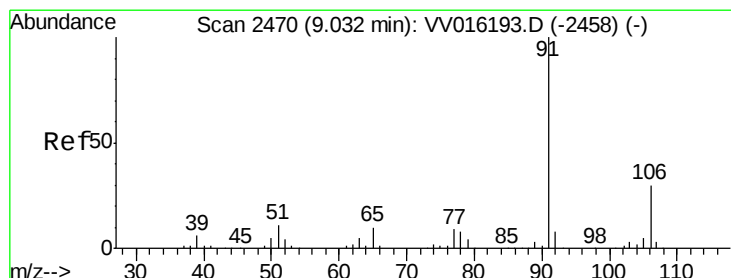
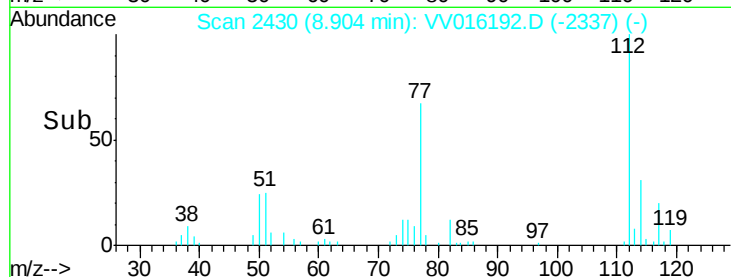
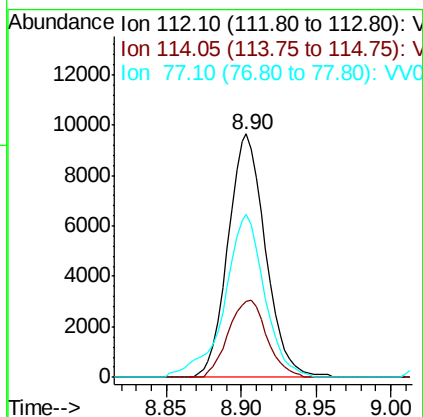
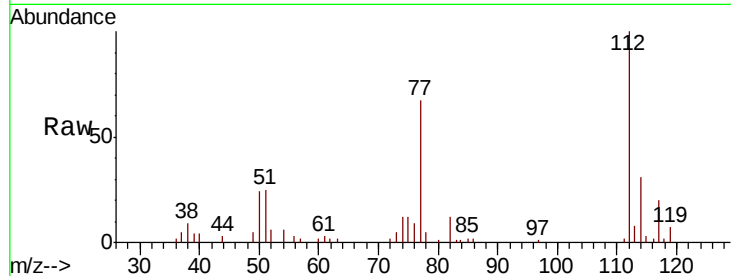




#53
Chlorobenzene
Concen: 1.046 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

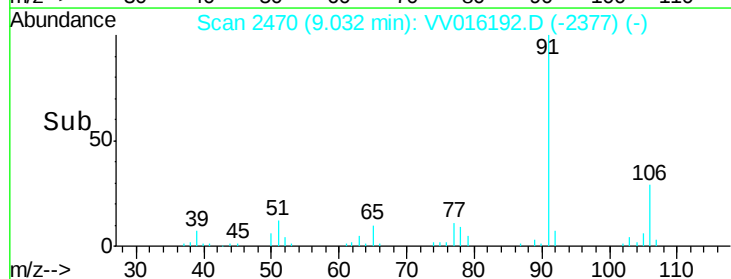
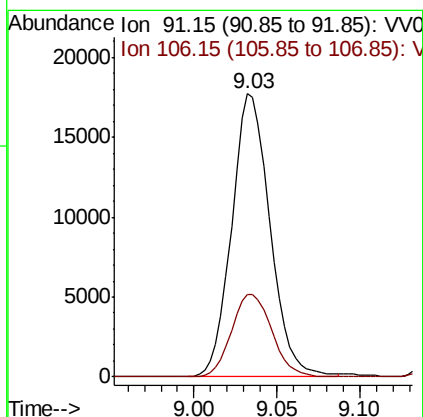
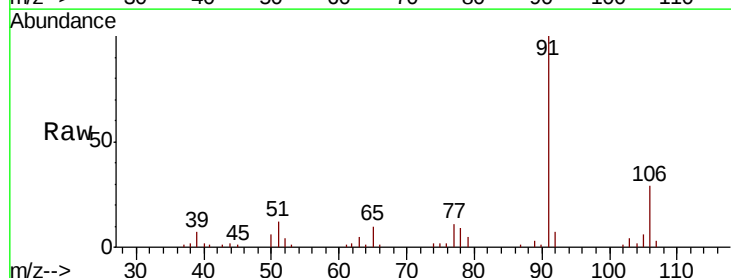
Instrument :
MSVOA_V
ClientSampleId :

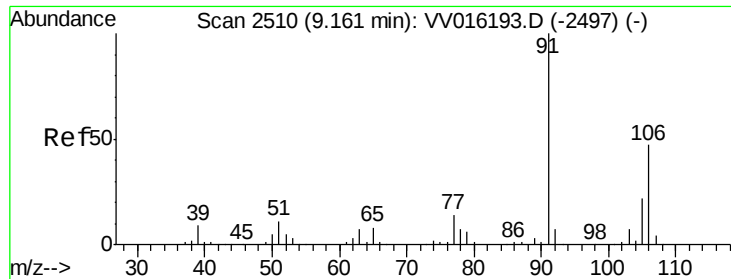
Tot Ion:112 Resp: 16789
Ion Ratio Lower Upper
112 100
114 31.3 22.3 41.3
77 66.7 50.7 76.1



#54
Ethylbenzene
Concen: 0.997 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016192.D
Acq: 26 May 2020 15:23

Tgt Ion: 91 Resp: 28496
Ion Ratio Lower Upper
91 100
106 29.3 21.0 39.0





#55

m,p-xylene

Concen: 1.065 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

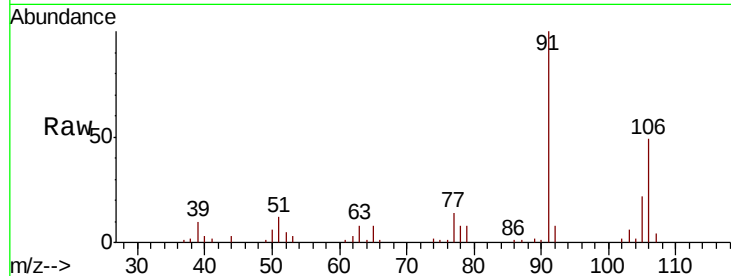
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 11252

Ion Ratio Lower Upper

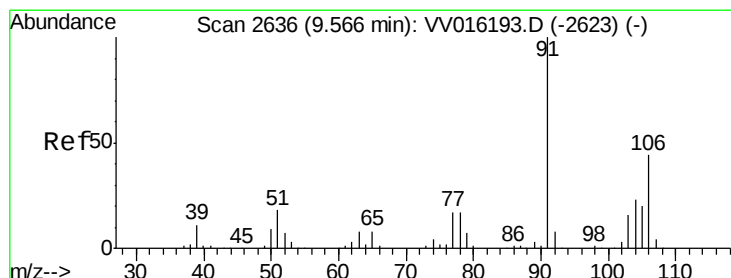
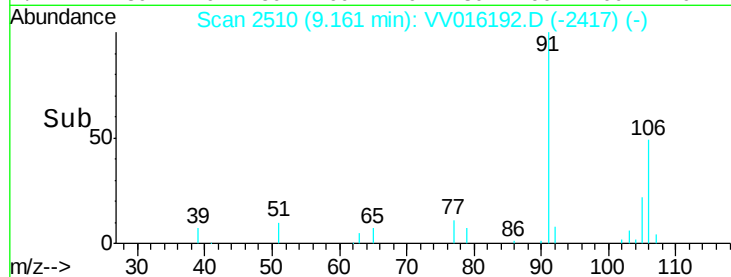
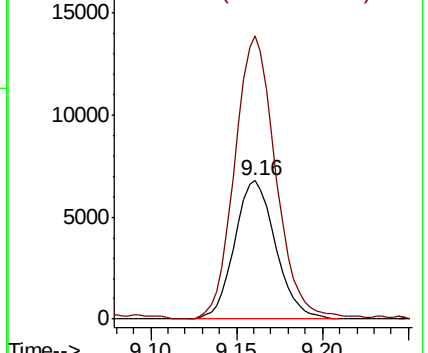
106 100

91 204.7 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 1.020 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016192.D

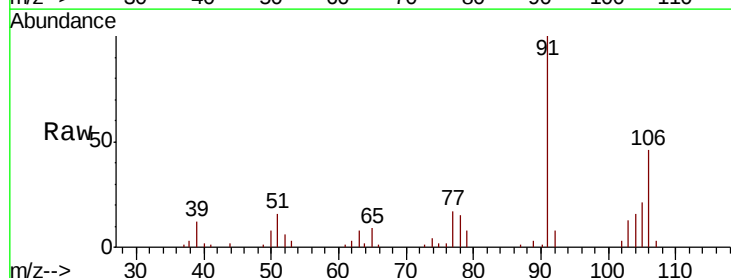
Acq: 26 May 2020 15:23

Tgt Ion:106 Resp: 10300

Ion Ratio Lower Upper

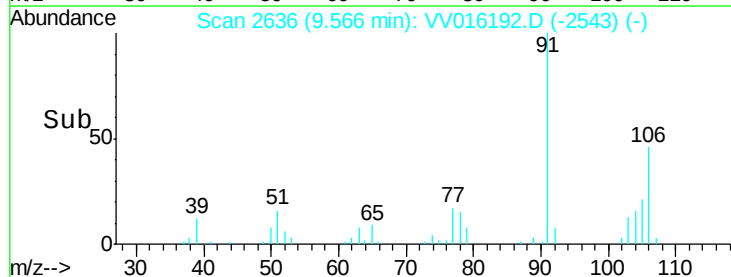
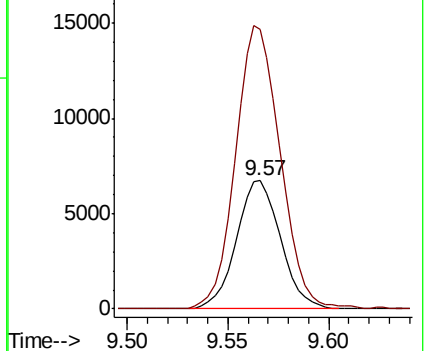
106 100

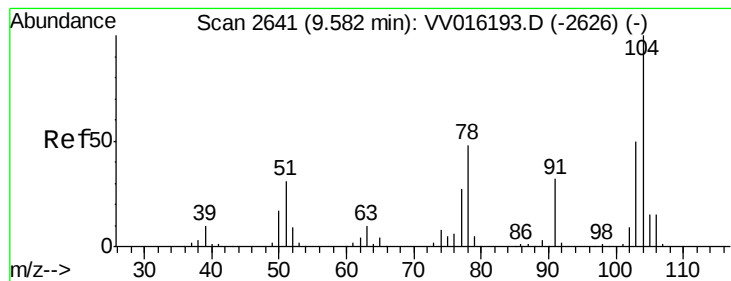
91 218.5 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 0.971 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

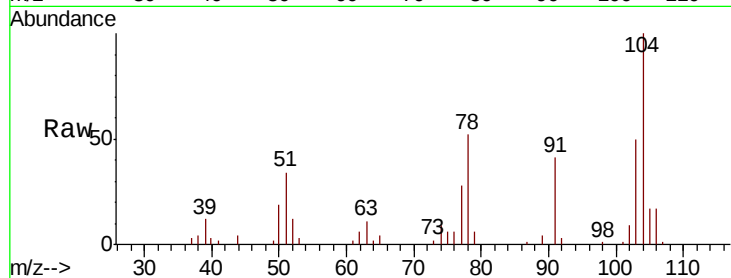
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 16401

Ion Ratio Lower Upper

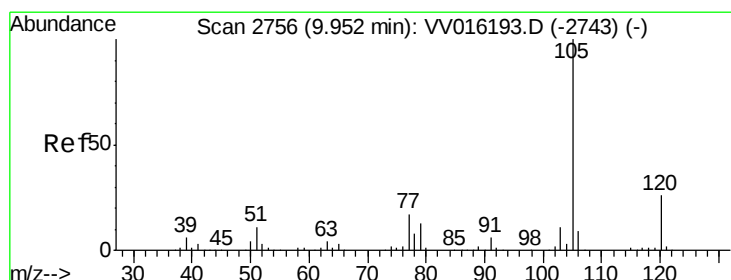
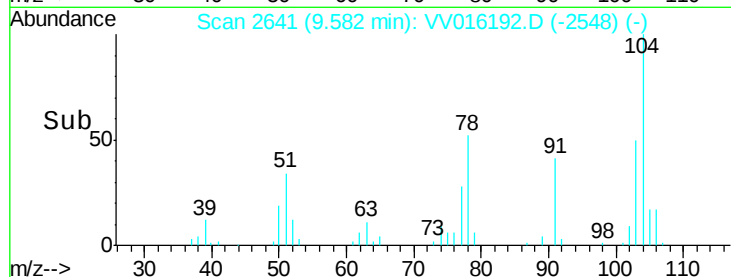
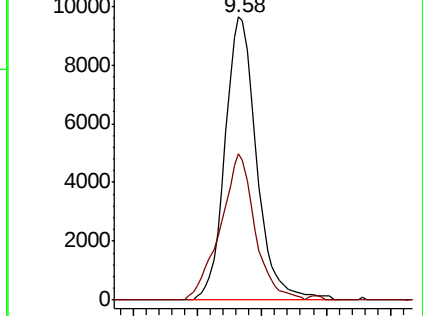
104 100

78 51.8 33.2 61.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 1.030 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

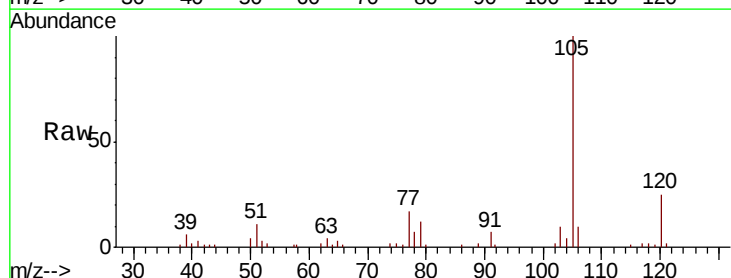
Tgt Ion:105 Resp: 28509

Ion Ratio Lower Upper

105 100

120 25.2 20.9 31.3

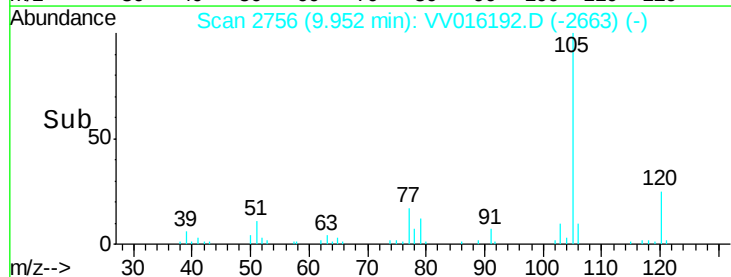
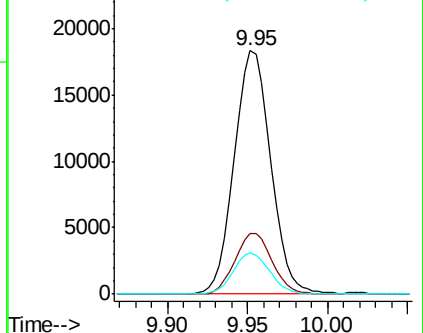
77 16.7 13.9 20.9

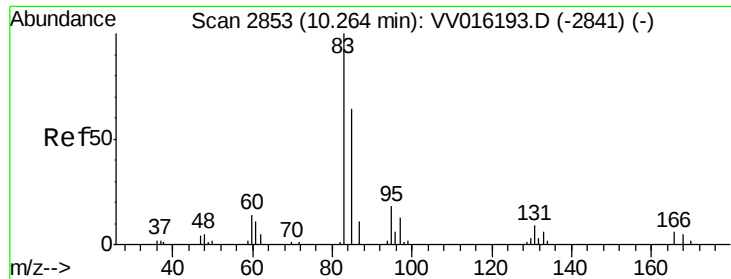


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#60

1,1,2,2-Tetrachloroethane

Concen: 1.150 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

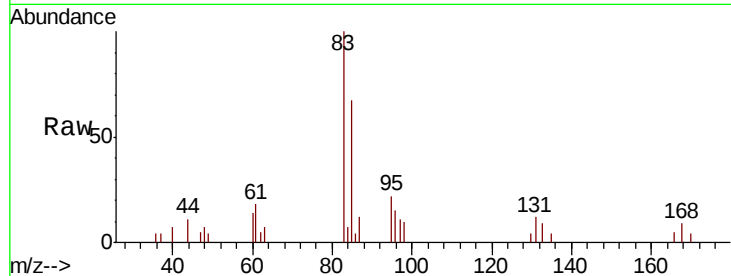
Tot Ion: 83 Resp: 5024

Ion Ratio Lower Upper

83 100

85 67.2 45.6 84.8

131 11.6 7.9 11.9

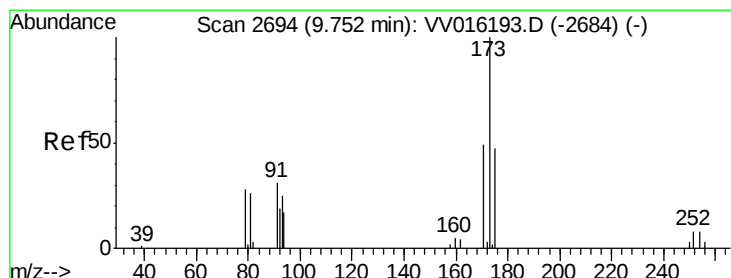
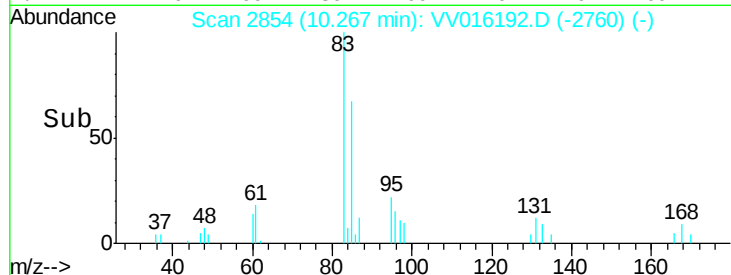


Abundance Ion 82.95 (82.65 to 83.65): VV016193.D (-2841) (-)

Ion 85.00 (84.70 to 85.70): VV016193.D (-2841) (-)

Ion 130.95 (130.65 to 131.65): VV016193.D (-2841) (-)

Time--> 10.20 10.25 10.30



#62

Bromoform

Concen: 0.778 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

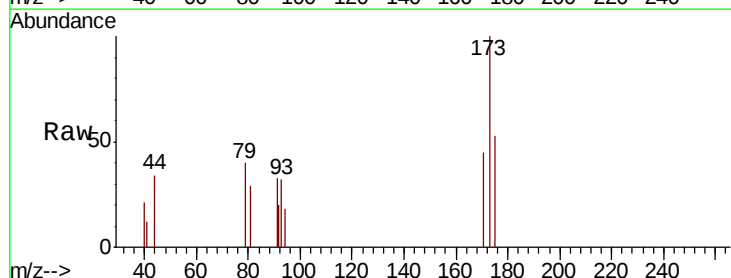
Tgt Ion: 173 Resp: 1564

Ion Ratio Lower Upper

173 100

175 50.8 38.6 58.0

254 0.0 6.6 9.8#

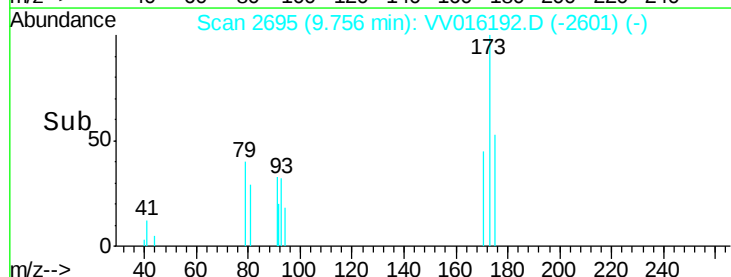


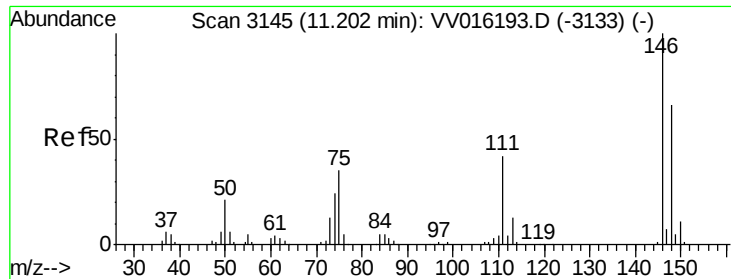
Abundance Ion 172.90 (172.60 to 173.60): VV016193.D (-2684) (-)

Ion 174.90 (174.60 to 175.60): VV016193.D (-2684) (-)

Ion 253.75 (253.45 to 254.45): VV016193.D (-2684) (-)

Time--> 9.70 9.75 9.80

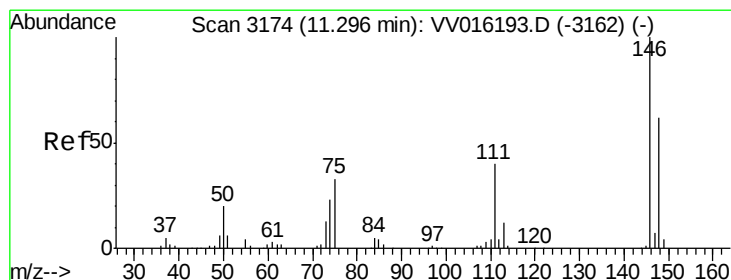
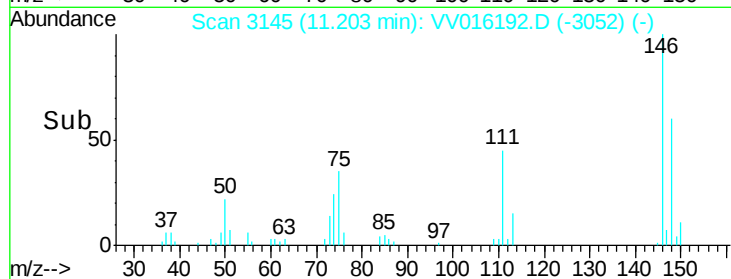
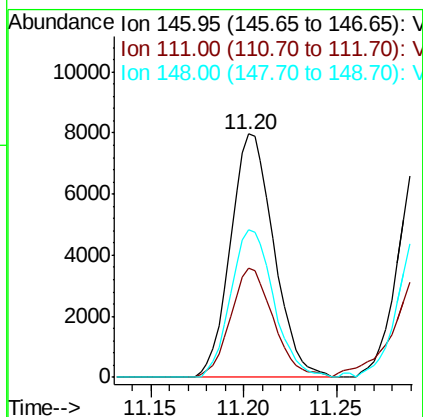
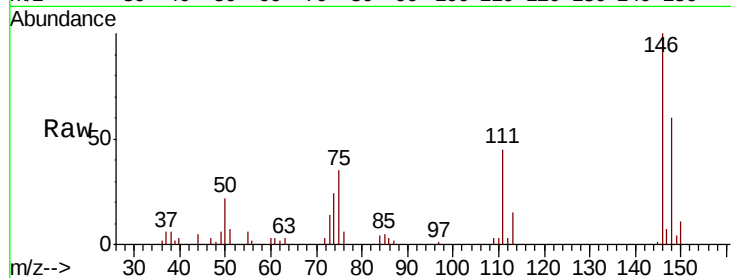




#63
 1,3-Dichlorobenzene
 Concen: 1.068 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

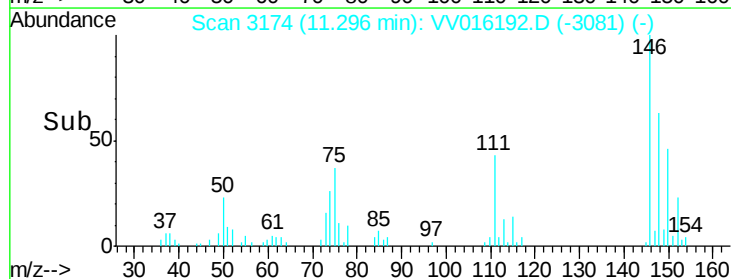
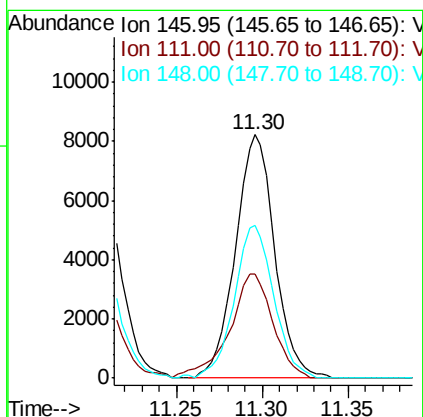
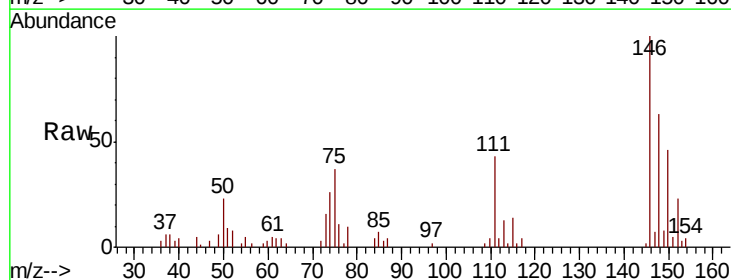
Instrument :
 MSVOA_V
 ClientSampleId :

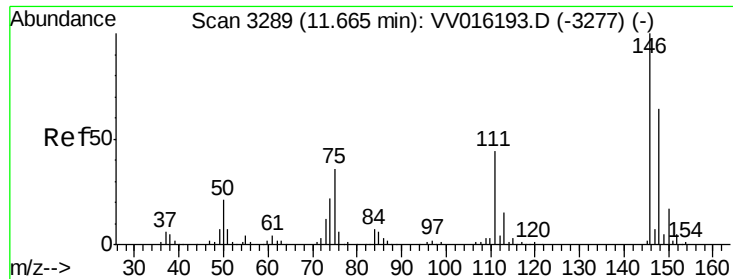
Tot Ion:146 Resp: 12922
 Ion Ratio Lower Upper
 146 100
 111 44.9 29.7 55.1
 148 60.4 45.9 85.3



#64
 1,4-Dichlorobenzene
 Concen: 1.065 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

Tgt Ion:146 Resp: 13022
 Ion Ratio Lower Upper
 146 100
 111 42.8 28.3 52.7
 148 62.9 43.3 80.3

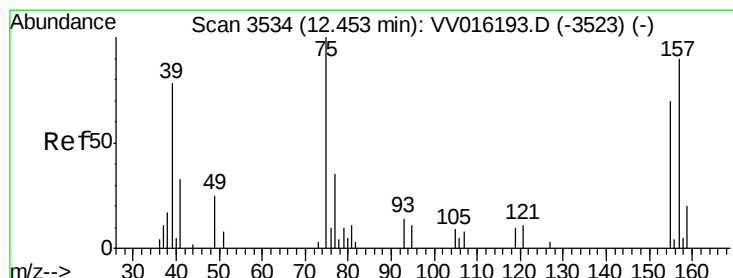
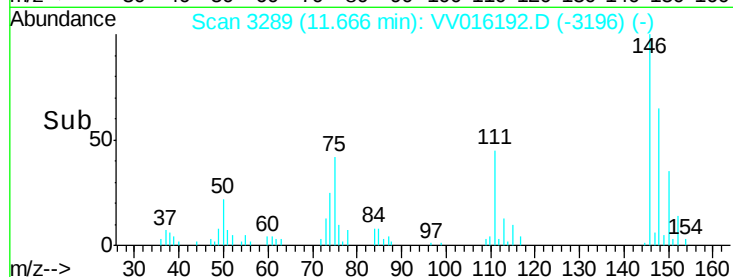
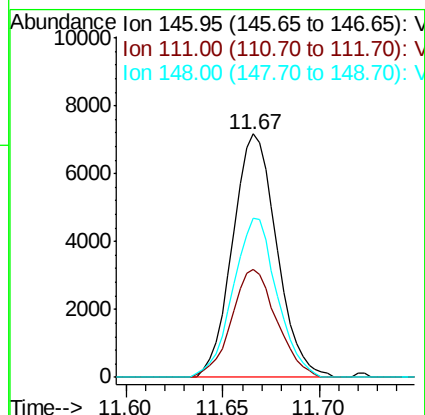
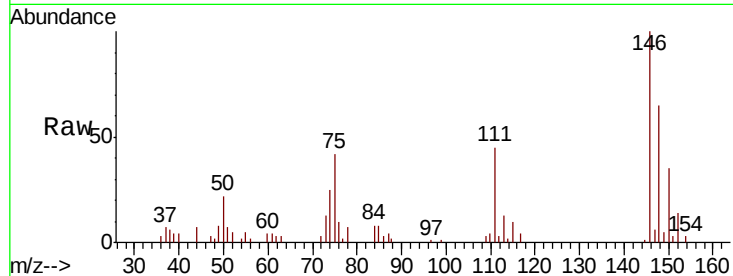




#66
 1,2-Dichlorobenzene
 Concen: 1.035 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

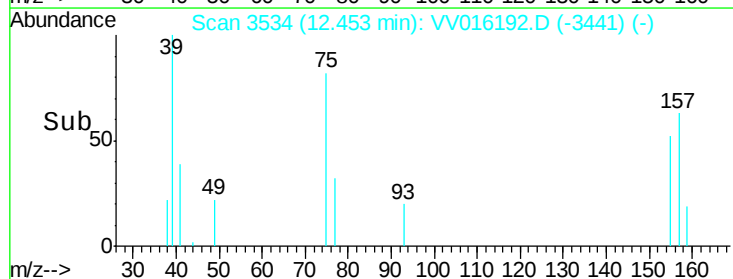
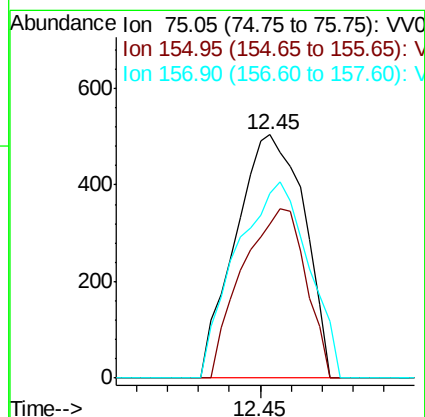
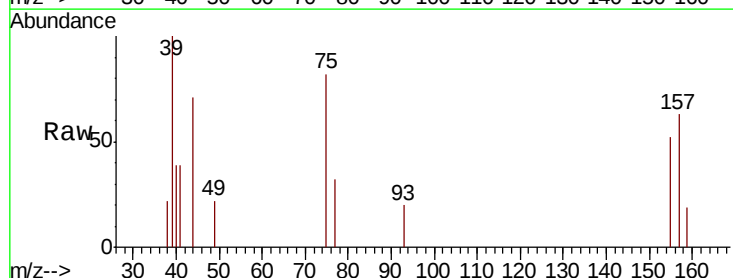
Instrument :
 MSVOA_V
 ClientSampleId :

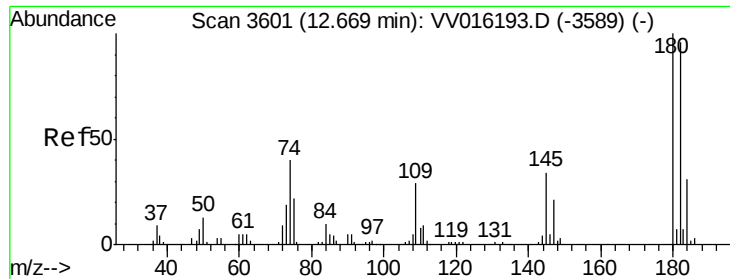
Tot Ion:146 Resp: 11356
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.7 53.5
 148 65.2 51.3 76.9



#67
 1,2-Dibromo-3-chloropropane
 Concen: 1.070 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

Tgt Ion: 75 Resp: 778
 Ion Ratio Lower Upper
 75 100
 155 63.5 56.2 84.4
 157 76.2 71.9 107.9

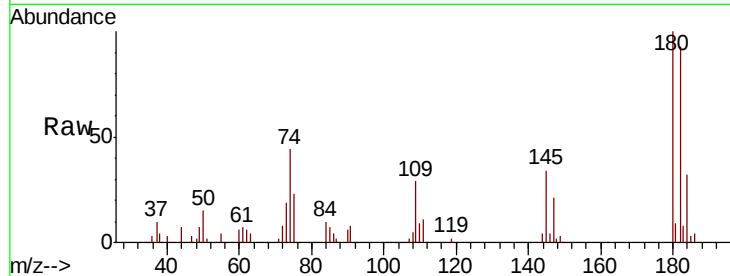




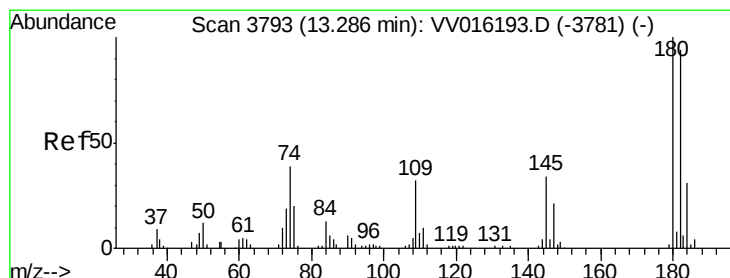
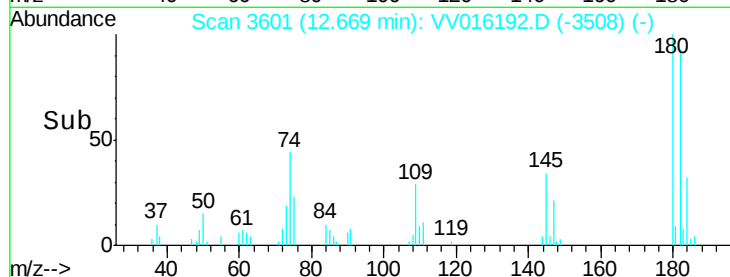
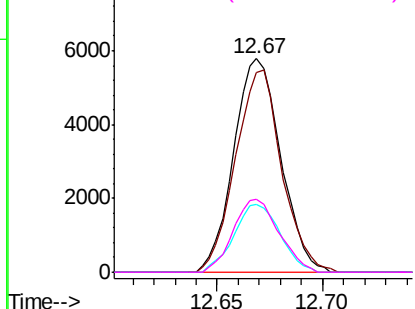
#68
 1,3,5-Trichlorobenzene
 Concen: 1.018 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 8968
 Ion Ratio Lower Upper
 180 100
 182 93.0 77.1 115.7
 184 31.2 25.0 37.4
 145 33.2 26.3 39.5

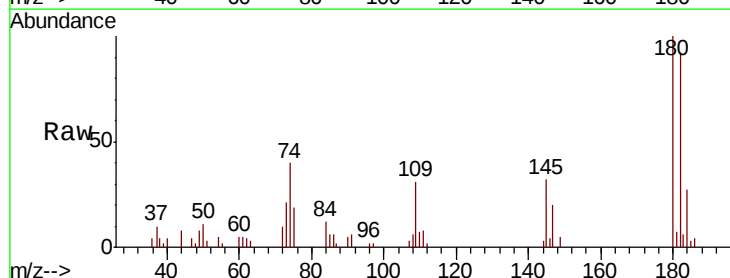


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

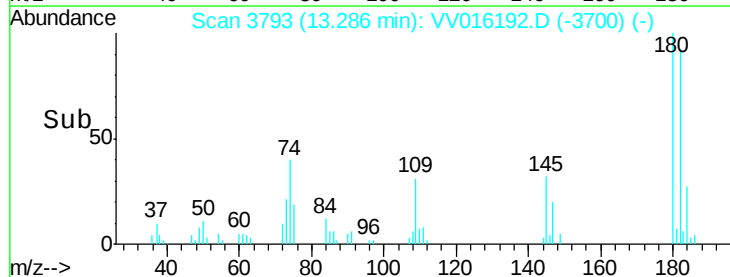
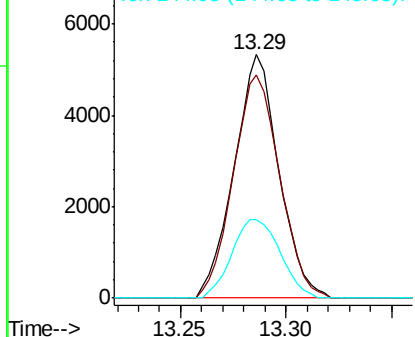


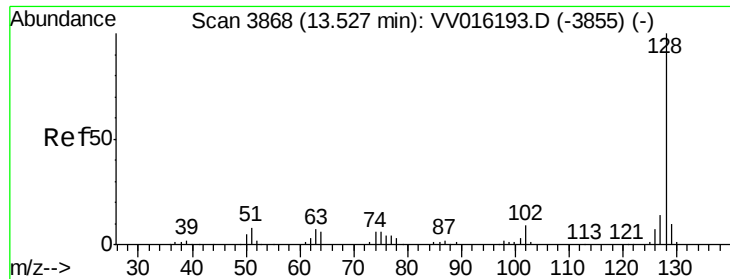
#69
 1,2,4-trichlorobenzene
 Concen: 1.030 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016192.D
 Acq: 26 May 2020 15:23

Tgt Ion:180 Resp: 7835
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.0 112.4
 145 34.9 27.1 40.7



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: 1.418 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

Instrument :

MSVOA_V

ClientSampled :

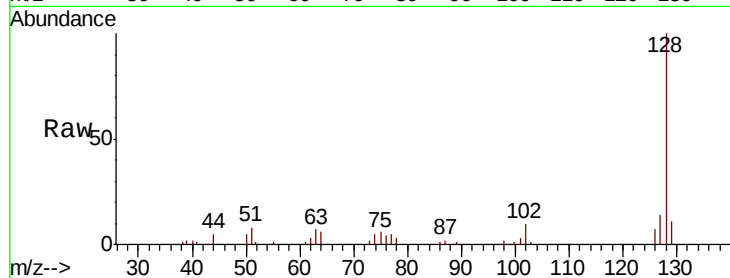
Tot Ion:128 Resp: 18035

Ion Ratio Lower Upper

128 100

129 9.6 8.6 13.0

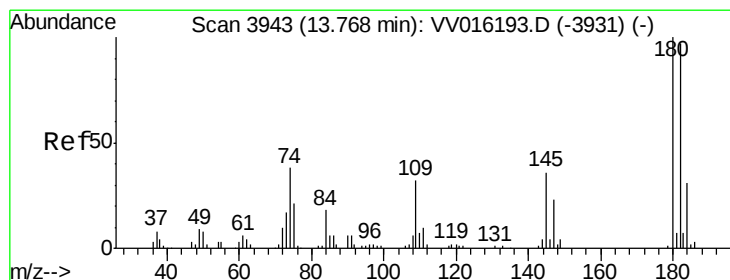
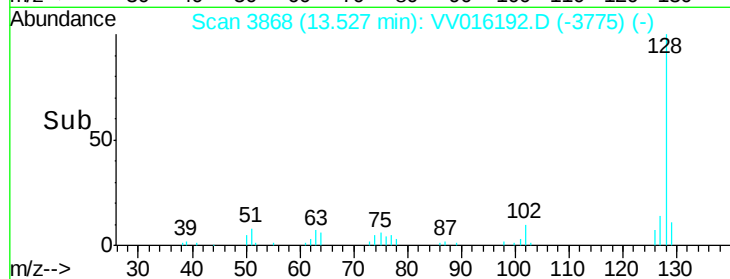
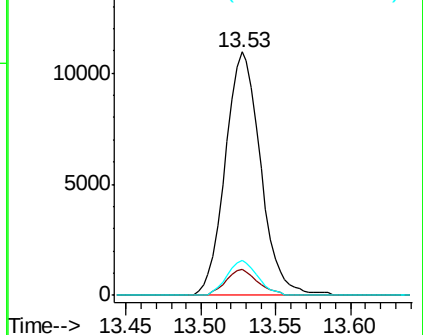
127 12.2 10.6 15.8



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: 1.066 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016192.D

Acq: 26 May 2020 15:23

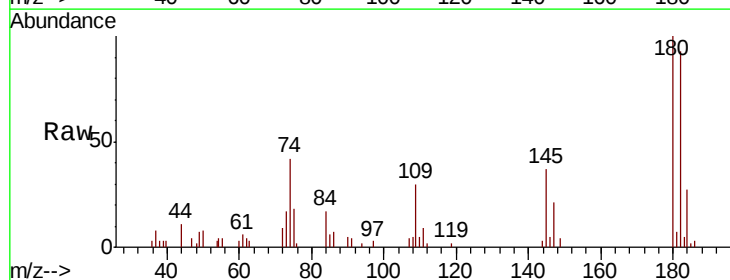
Tgt Ion:180 Resp: 7157

Ion Ratio Lower Upper

180 100

182 94.5 77.1 115.7

145 37.6 28.6 42.8



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

