

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
 Data File : VV015620.D
 Acq On : 22 Apr 2020 14:30
 Operator : SY/MD
 Sample : VSTD01032
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:32:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 00:28:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	134730	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	128190	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	67372	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	72372	10.44	ug/L	0.00
7) Chloroethane-d5	1.58	69	69092	10.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	155056	10.53	ug/L	0.00
20) 2-Butanone-d5	3.92	46	249527	123.48	ug/L	0.00
24) Chloroform-d	4.38	84	173807	11.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	96104	11.46	ug/L	0.00
32) Benzene-d6	5.07	84	320363	11.09	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	100913	11.16	ug/L	0.00
41) Toluene-d8	7.34	98	308175	11.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	42549	11.19	ug/L	0.00
46) 2-Hexanone-d5	8.11	63	208613	111.82	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	75879	10.75	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	115092	10.57	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	118528	9.189 ug/L	99
3) Chloromethane	1.25	50	101133	8.369 ug/L	99
5) Vinyl chloride	1.32	62	109367	9.251 ug/L	100
6) Bromomethane	1.53	94	48550	7.747 ug/L	96
8) Chloroethane	1.59	64	75921	10.699 ug/L	99
9) Trichlorofluoromethane	1.76	101	152832	9.935 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	86523	9.882 ug/L	97
12) 1,1-Dichloroethene	2.13	96	80581	9.674 ug/L	94
13) Acetone	2.21	43	161107	113.547 ug/L	99
14) Carbon disulfide	2.31	76	232966	8.389 ug/L	100
15) Methyl Acetate	2.46	43	39509	9.446 ug/L	97
16) Methylene chloride	2.52	84	90882	9.256 ug/L	99
17) Methyl tert-butyl Ether	2.79	73	232875	10.367 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	90388	9.705 ug/L	97
19) 1,1-Dichloroethane	3.21	63	178633	10.060 ug/L	99
21) 2-Butanone	4.01	43	258273	112.195 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	99250	10.164 ug/L	98
23) Bromochloromethane	4.27	128	40616	10.014 ug/L	98
25) Chloroform	4.40	83	187041	10.238 ug/L	98
27) 1,2-Dichloroethane	5.15	62	123569	10.454 ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	168619	10.169 ug/L	99
30) Cyclohexane	4.70	56	161753	9.391 ug/L	99
31) Carbon tetrachloride	4.85	117	139076	9.749 ug/L	99
33) Benzene	5.12	78	377641	9.937 ug/L	100
34) Trichloroethene	5.94	95	103650	10.063 ug/L	98
35) Methylcyclohexane	6.15	83	163186	9.631 ug/L	99
37) 1,2-Dichloropropane	6.20	63	97201	10.269 ug/L	100
38) Bromodichloromethane	6.53	83	124551	10.008 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	142983	10.057 ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	644153	103.794 ug/L	99

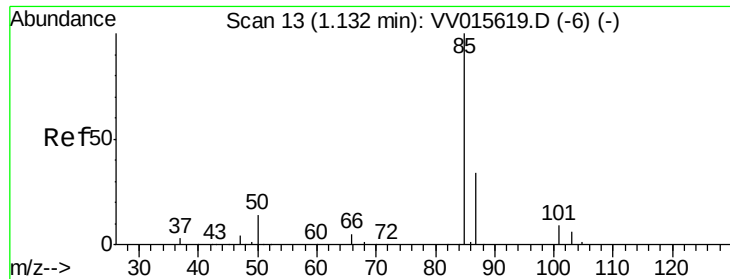
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 00:28:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	413011	10.046	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	122496	10.138	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	66509	10.382	ug/L	96
47) Tetrachloroethene	8.00	164	74710	9.869	ug/L	96
48) 2-Hexanone	8.16	43	464897	106.708	ug/L	100
49) Dibromochloromethane	8.27	129	70807	9.546	ug/L	98
50) 1,2-Dibromoethane	8.37	107	62570	10.269	ug/L	97
51) Chlorobenzene	8.90	112	263470	10.023	ug/L	99
52) Ethylbenzene	9.03	91	477608	10.108	ug/L	99
53) m,p-xylene	9.16	106	180036	10.116	ug/L	100
54) o-xylene	9.56	106	172795	10.022	ug/L	98
55) Styrene	9.58	104	299169	10.302	ug/L	99
56) Isopropylbenzene	9.95	105	478780	10.099	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	77825	10.112	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	61308	10.441	ug/L	100
61) Bromoform	9.75	173	30219	8.246	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	213823	9.948	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	213432	9.743	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	196585	9.981	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	13724	9.375	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	160538	10.312	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	145149	10.238	ug/L	99
69) Naphthalene	13.53	128	264114	10.045	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	128909	10.330	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 9.189 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

Instrument :

MSVOA_V

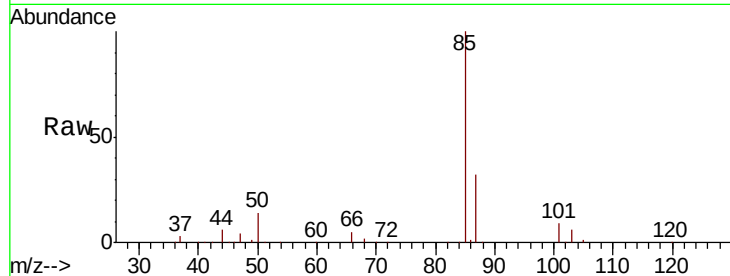
ClientSampled :

Tot Ion: 85 Resp: 118528

Ion Ratio Lower Upper

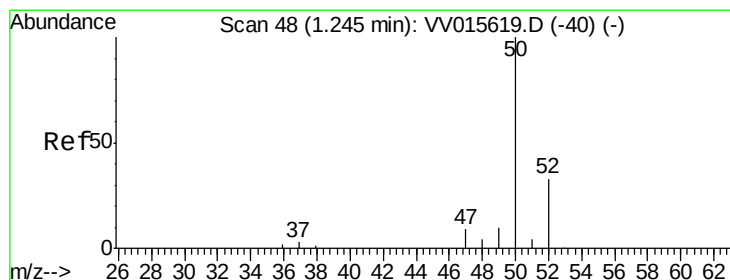
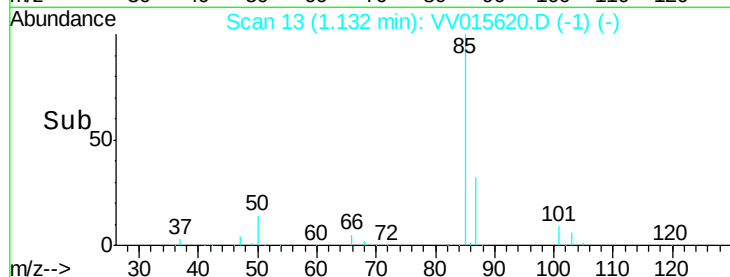
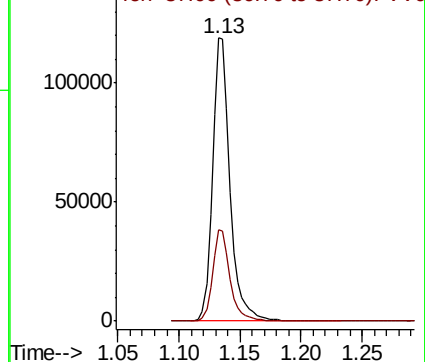
85 100

87 32.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 8.369 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015620.D

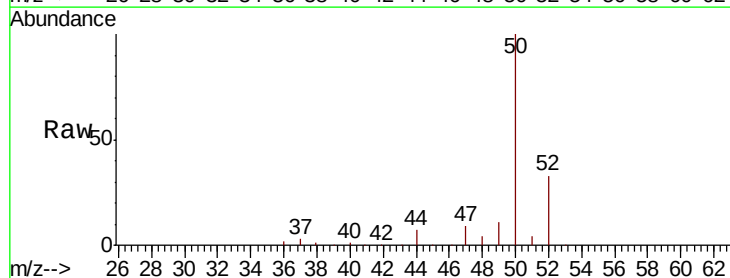
Acq: 22 Apr 2020 14:30

Tgt Ion: 50 Resp: 101133

Ion Ratio Lower Upper

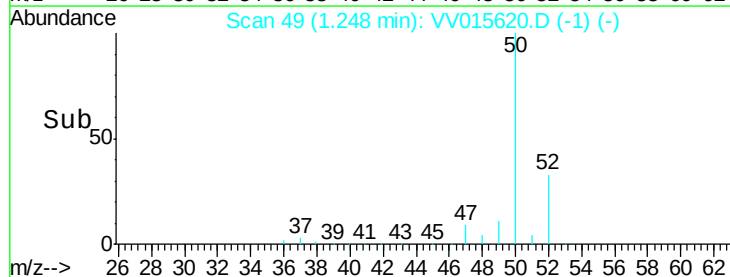
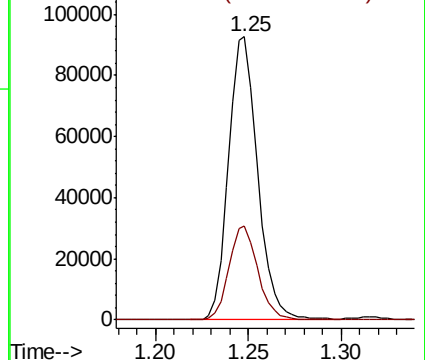
50 100

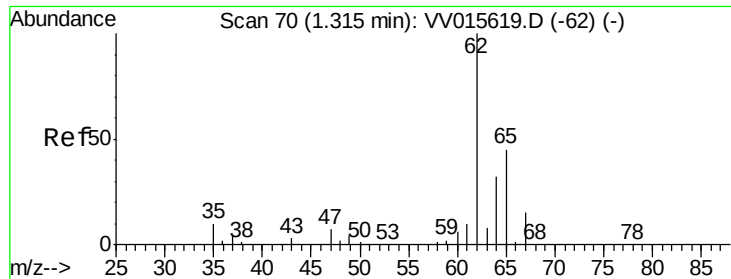
52 33.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 9.251 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

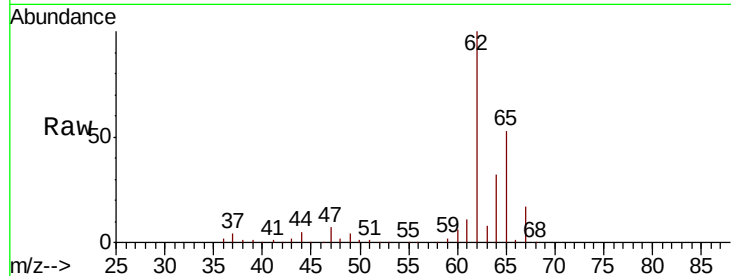
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 109367

Ion Ratio Lower Upper

62 100

64 32.1 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

100000

80000

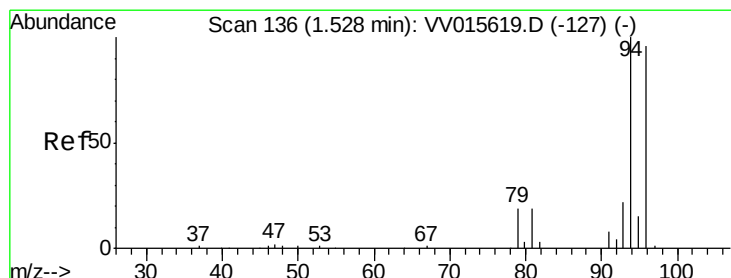
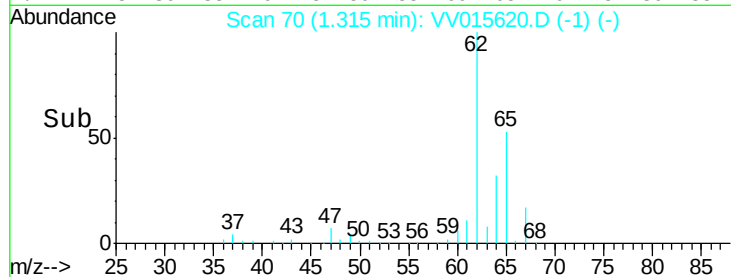
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 7.747 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015620.D

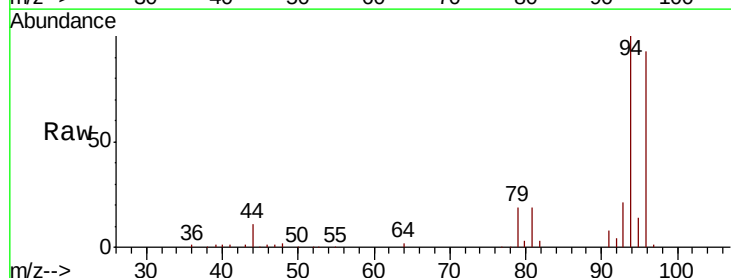
Acq: 22 Apr 2020 14:30

Tgt Ion: 94 Resp: 48550

Ion Ratio Lower Upper

94 100

96 92.5 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

40000

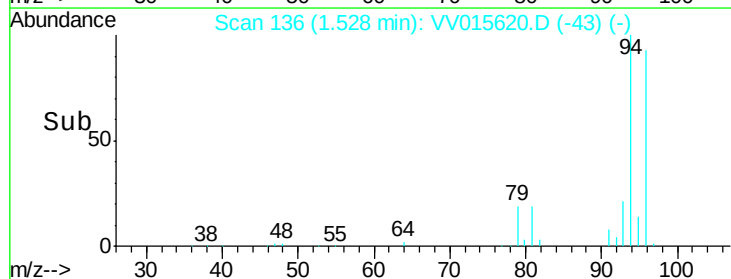
30000

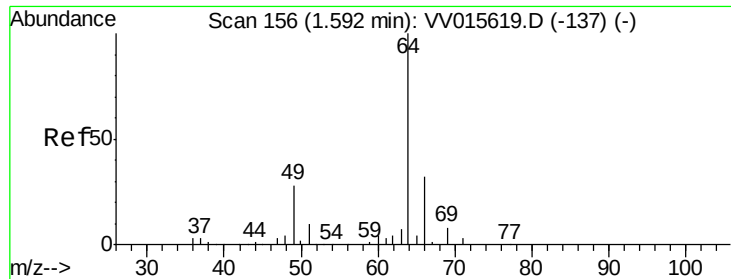
20000

10000

0

Time--> 1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 10.699 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

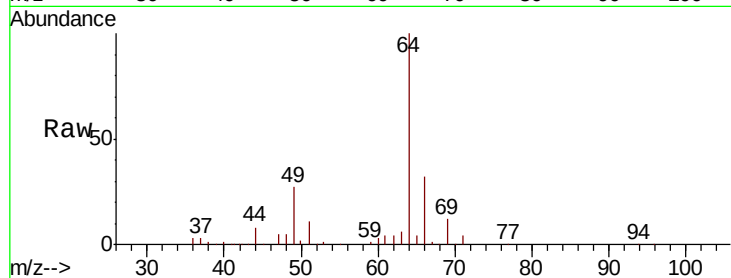
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 75921

Ion Ratio Lower Upper

64 100

66 31.6 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015619.D (-137) (-)

Ion 66.05 (65.75 to 66.75): VV015619.D (-137) (-)

1.59

60000

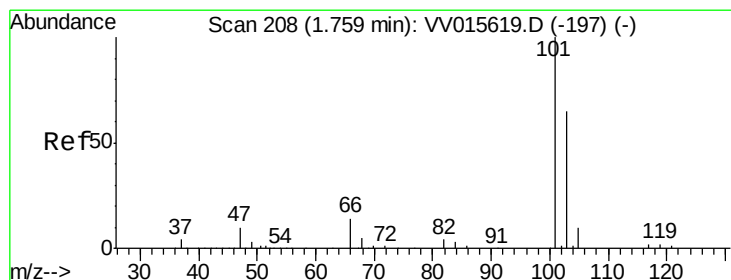
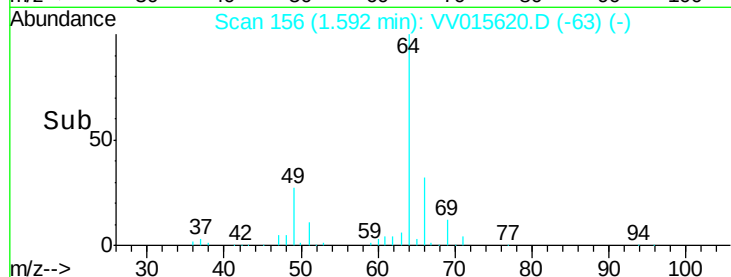
40000

20000

0

1.40 1.50 1.60 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 9.935 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV015620.D

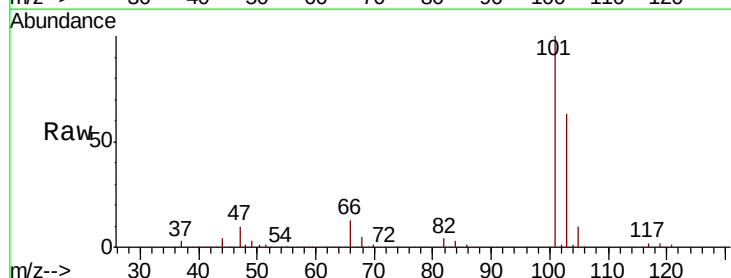
Acq: 22 Apr 2020 14:30

Tgt Ion:101 Resp: 152832

Ion Ratio Lower Upper

101 100

103 63.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015619.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015619.D (-197) (-)

1.76

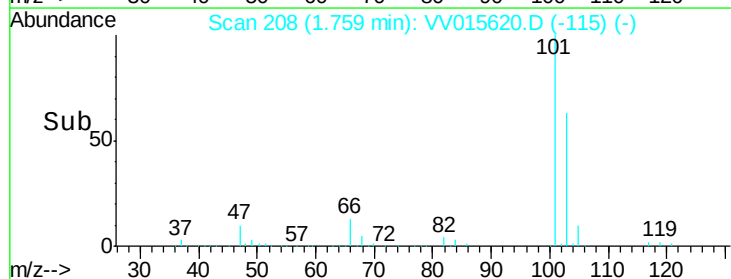
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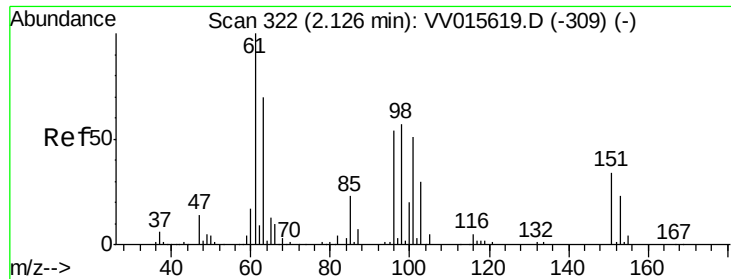
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 9.882 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

Instrument :

MSVOA_V

ClientSampleId :

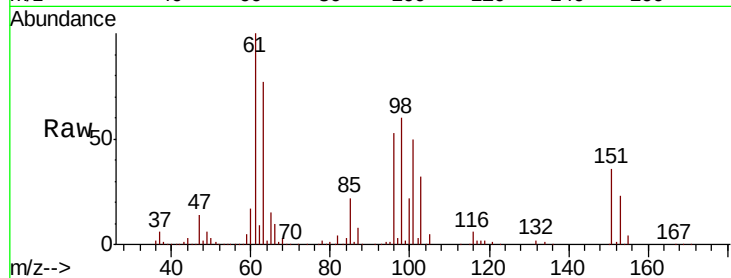
Tot Ion:101 Resp: 86523

Ion Ratio Lower Upper

101 100

85 44.8 36.1 54.1

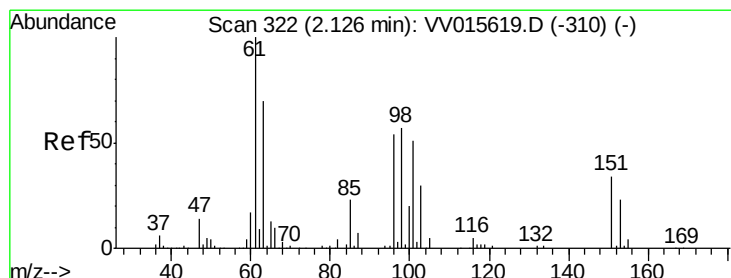
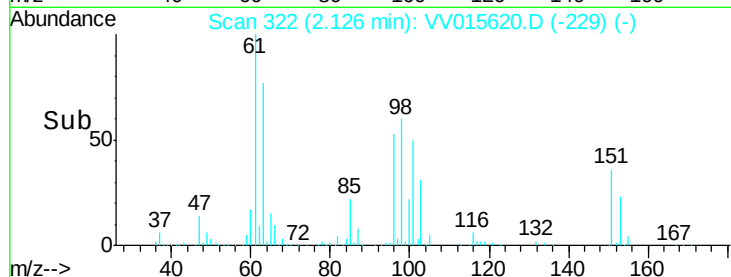
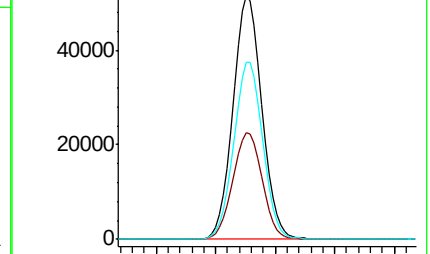
151 73.3 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015619.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV015619.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV015619.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 9.674 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

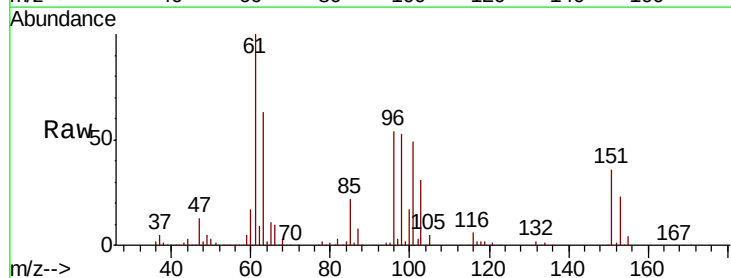
Tgt Ion: 96 Resp: 80581

Ion Ratio Lower Upper

96 100

61 183.8 130.1 241.7

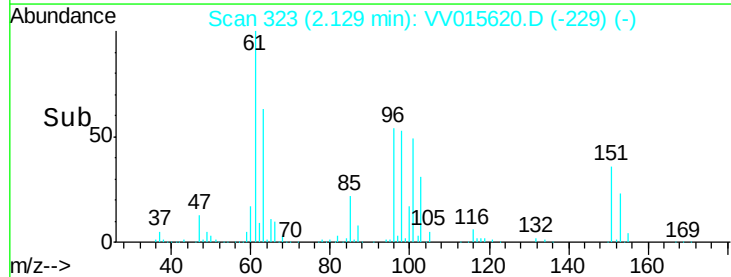
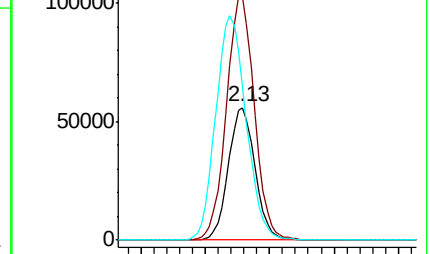
63 115.9 91.4 169.8

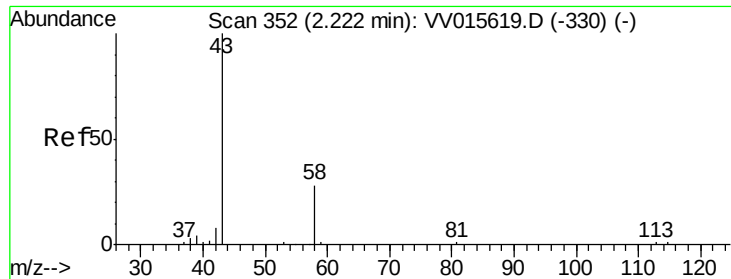


Abundance Ion 96.00 (95.70 to 96.70): VV015619.D (-310) (-)

Ion 61.05 (60.75 to 61.75): VV015619.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV015619.D (-310) (-)





#13

Acetone

Concen: 113.547 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

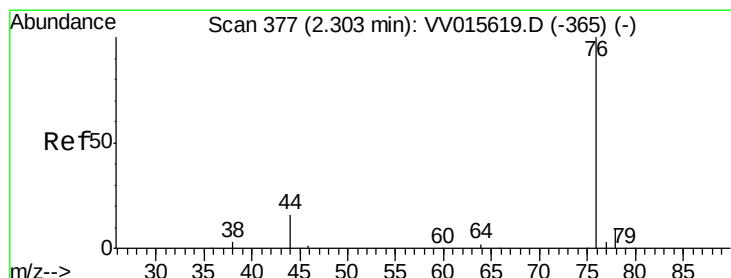
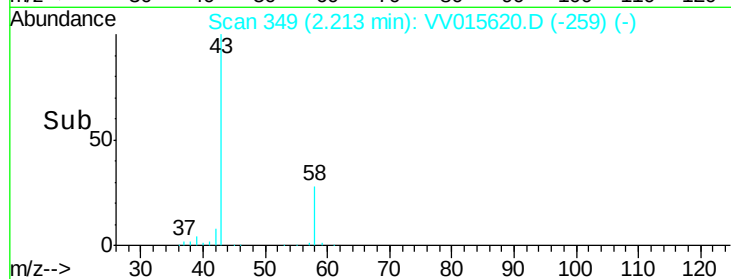
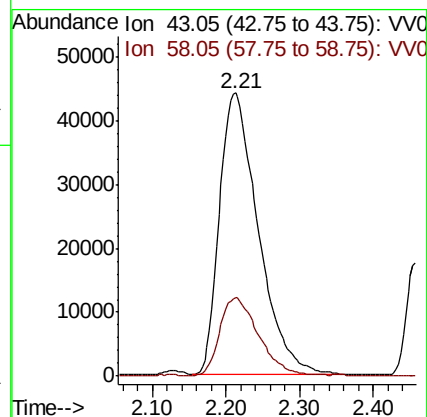
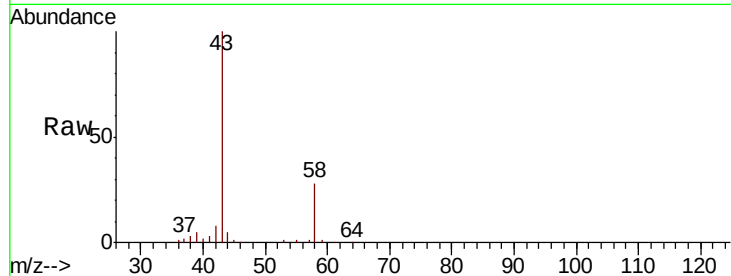
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 161107

Ion Ratio Lower Upper

43 100

58 28.2 0.0 57.6



#14

Carbon disulfide

Concen: 8.389 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015620.D

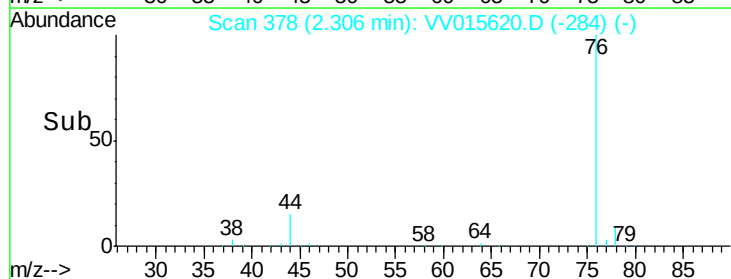
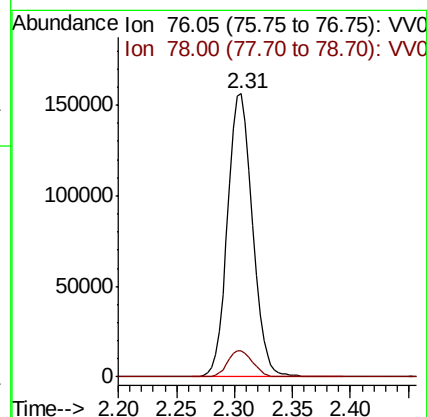
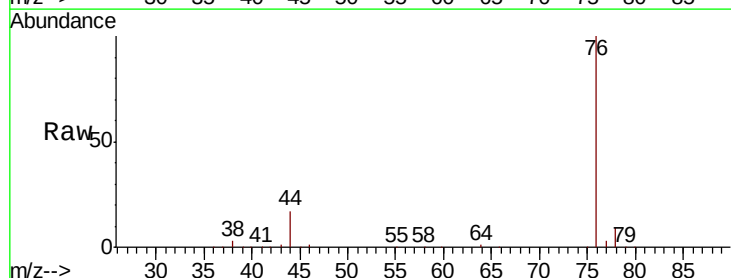
Acq: 22 Apr 2020 14:30

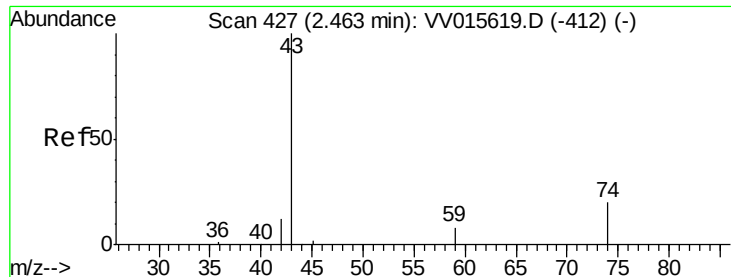
Tgt Ion: 76 Resp: 232966

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

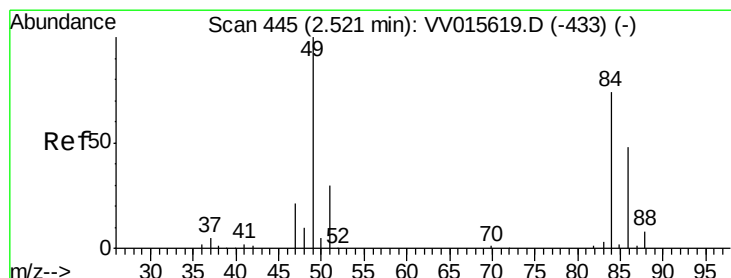
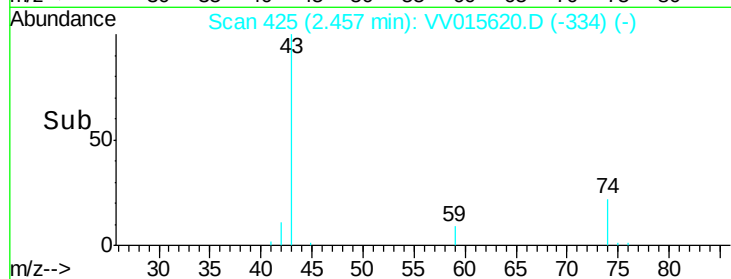
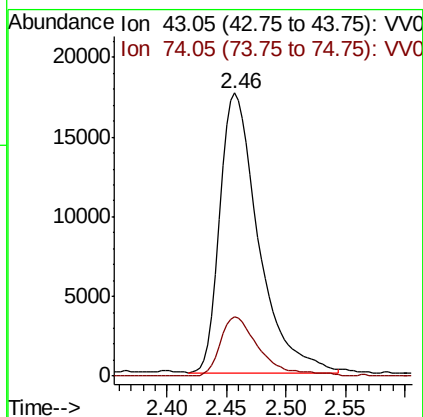
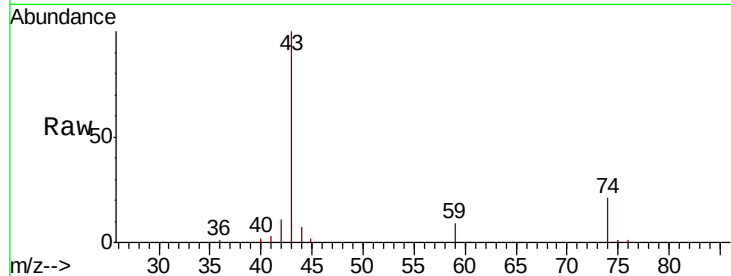




#15
Methvl Acetate
Concen: 9.446 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

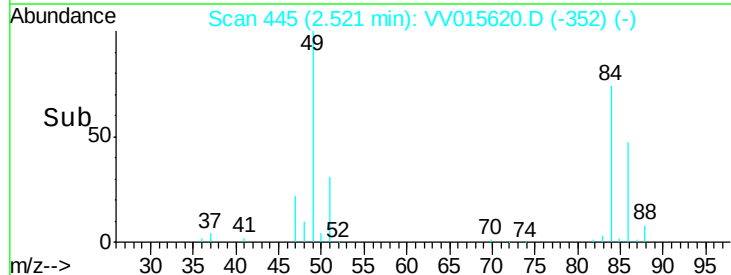
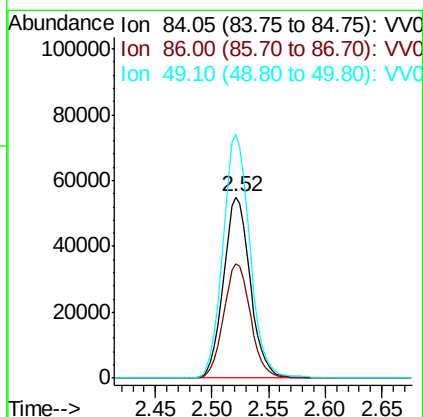
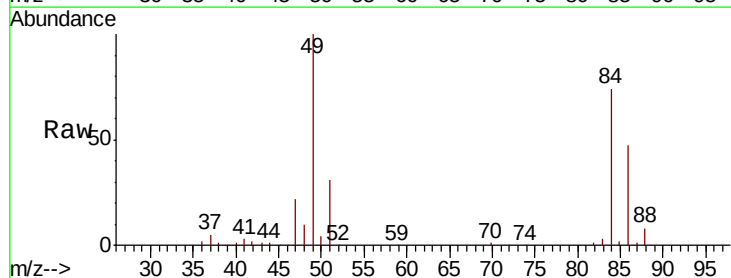
Instrument :
MSVOA_V
ClientSampleId :

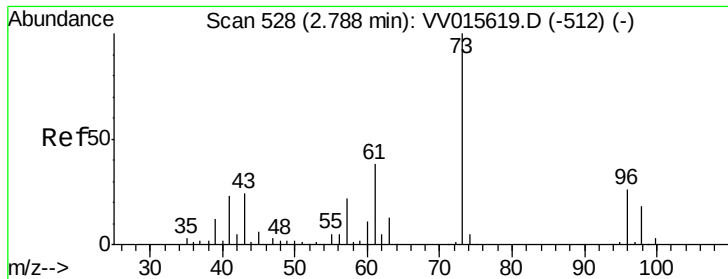
Tot Ion: 43 Resp: 39509
Ion Ratio Lower Upper
43 100
74 21.6 16.3 24.5



#16
Methylene chloride
Concen: 9.256 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

Tgt Ion: 84 Resp: 90882
Ion Ratio Lower Upper
84 100
86 63.3 45.1 83.7
49 134.3 94.4 175.4

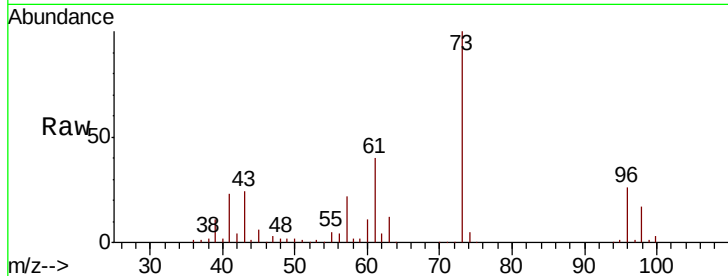




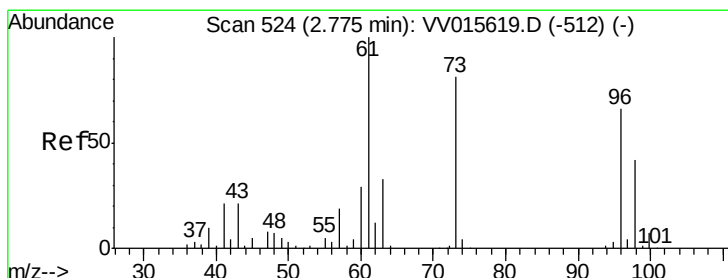
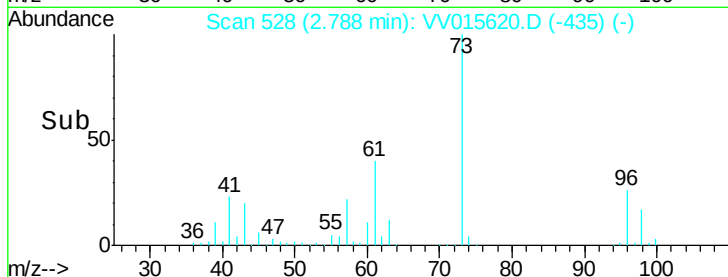
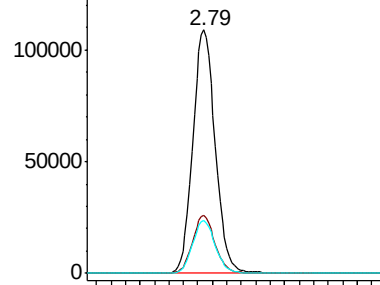
#17
Methvl tert-butyl Ether
Concen: 10.367 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 232875
Ion Ratio Lower Upper
73 100
43 23.6 20.1 30.1
57 21.9 17.8 26.8

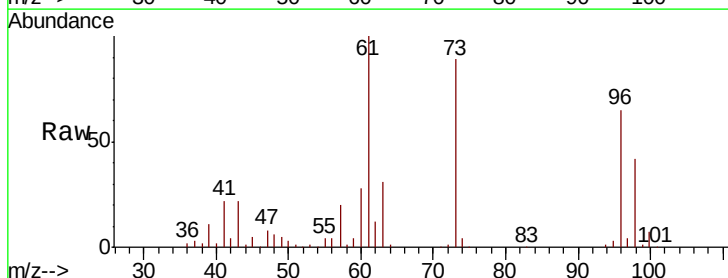


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

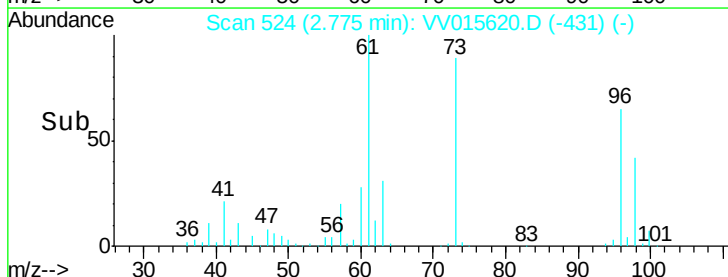
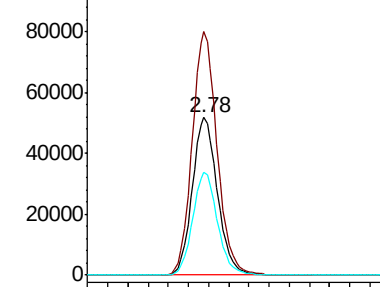


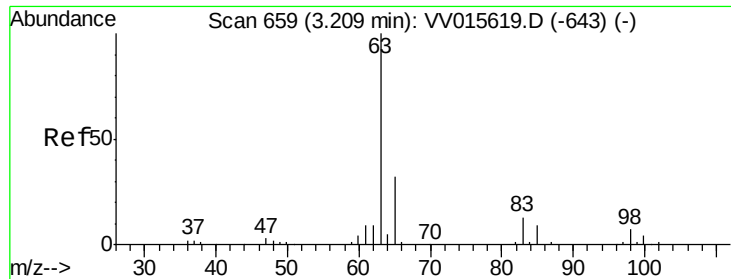
#18
trans-1,2-Dichloroethene
Concen: 9.705 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

Tgt Ion: 96 Resp: 90388
Ion Ratio Lower Upper
96 100
61 154.6 105.5 195.9
98 65.2 44.2 82.0



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

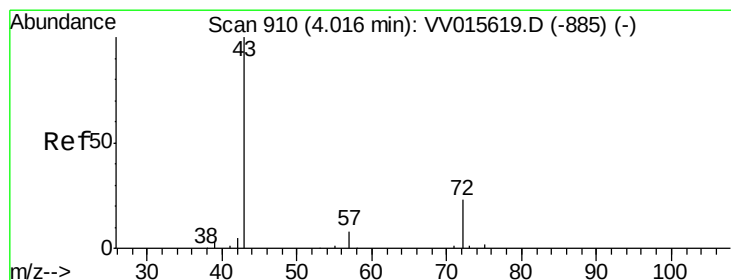
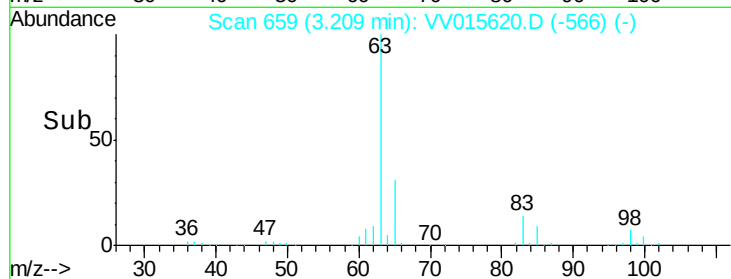
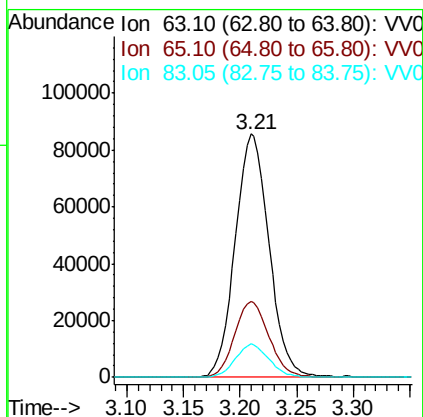
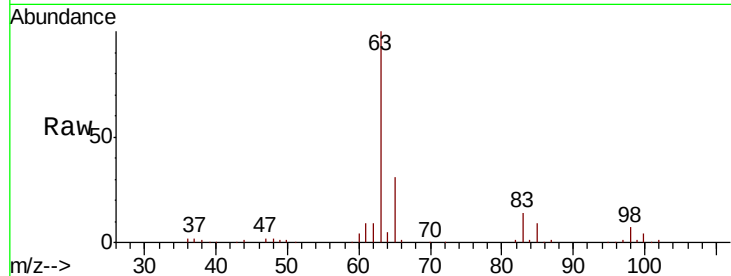




#19
 1,1-Dichloroethane
 Concen: 10.060 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

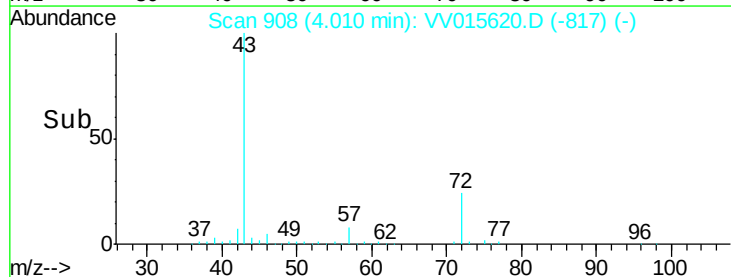
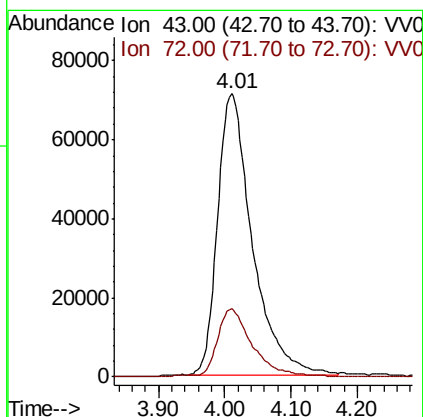
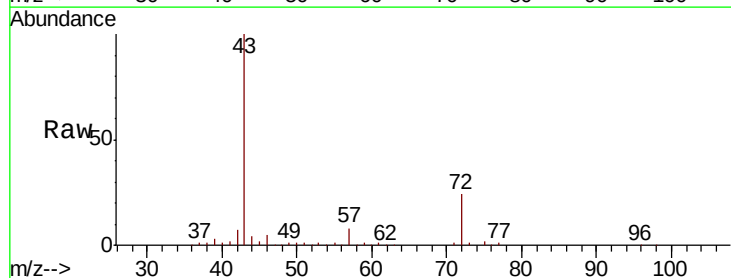
Instrument :
 MSVOA_V
 ClientSampled :

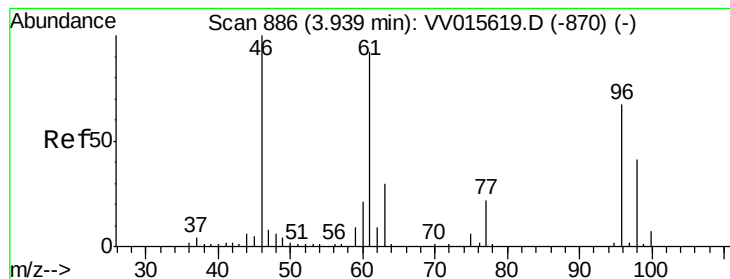
Tot Ion: 63 Resp: 178633
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.3 41.3
 83 13.7 9.3 17.3



#21
 2-Butanone
 Concen: 112.195 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

Tgt Ion: 43 Resp: 258273
 Ion Ratio Lower Upper
 43 100
 72 23.5 12.3 36.9



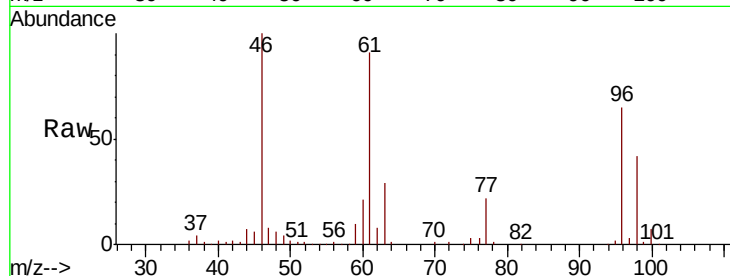


#22

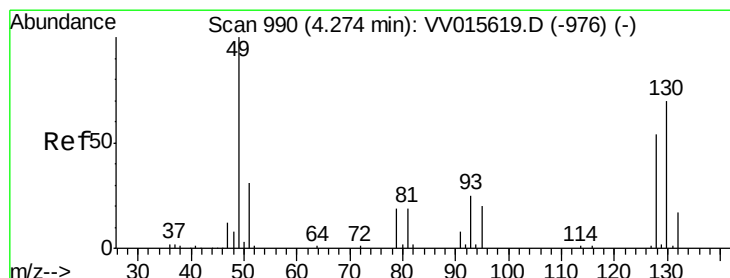
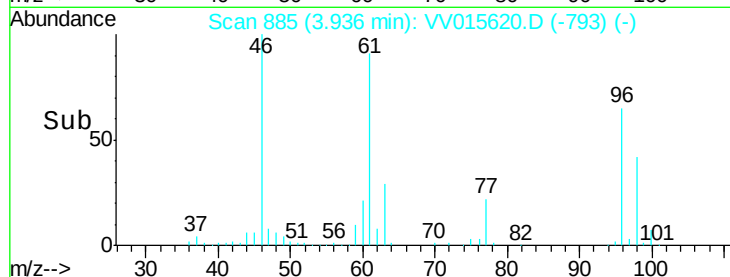
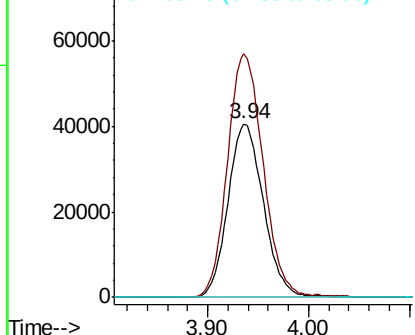
cis-1,2-Dichloroethene
 Concen: 10.164 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 99250
 Ion Ratio Lower Upper
 96 100
 61 140.1 96.4 179.0
 68 0.0 0.0 0.0



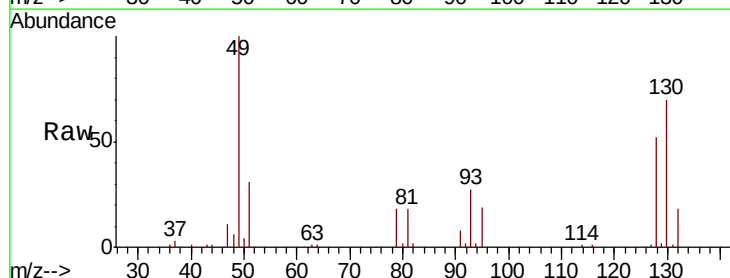
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



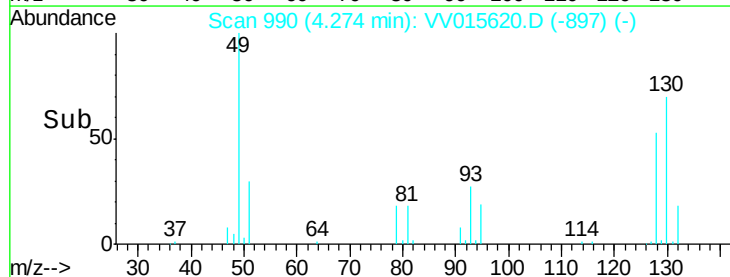
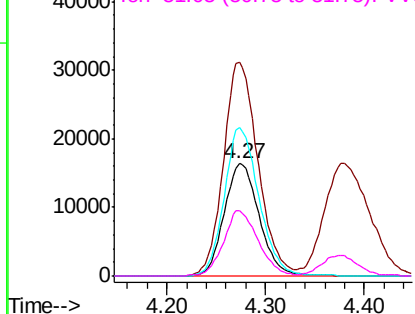
#23

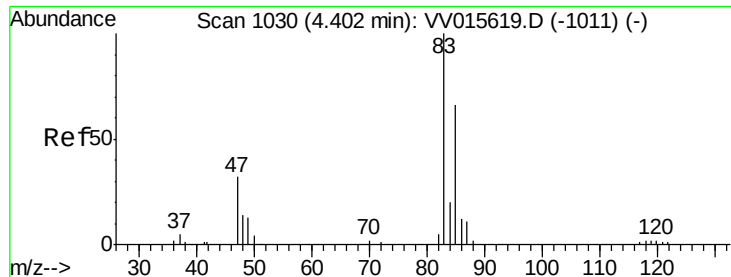
Bromochloromethane
 Concen: 10.014 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

Tgt Ion: 128 Resp: 40616
 Ion Ratio Lower Upper
 128 100
 49 190.6 130.8 242.8
 130 132.6 91.1 169.3
 51 58.7 45.2 67.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

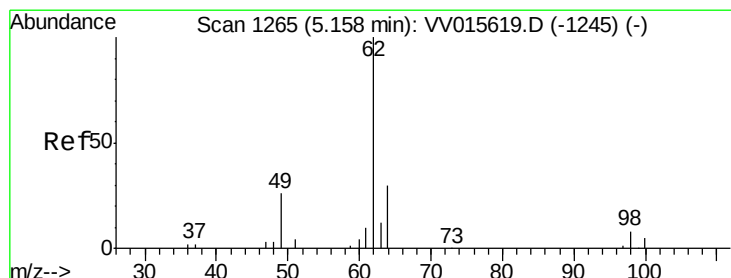
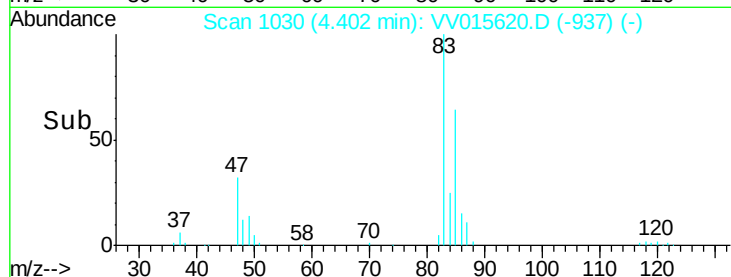
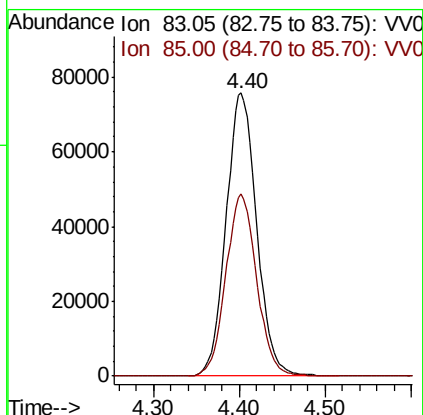
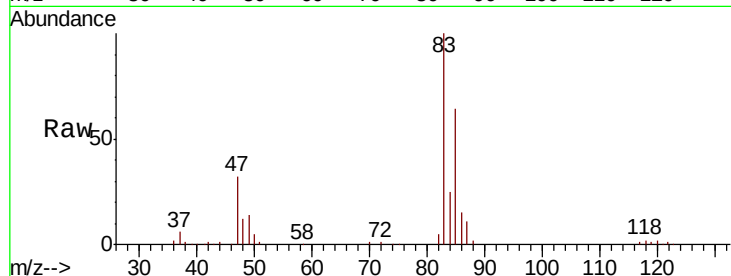




#25
Chloroform
Concen: 10.238 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

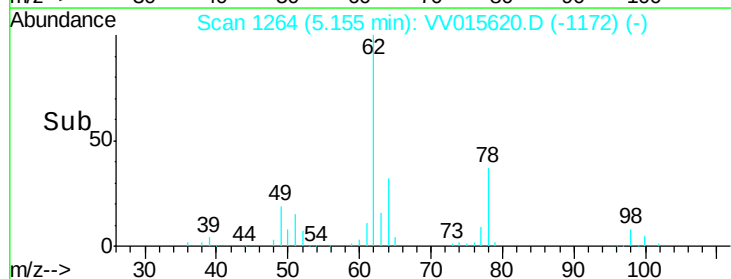
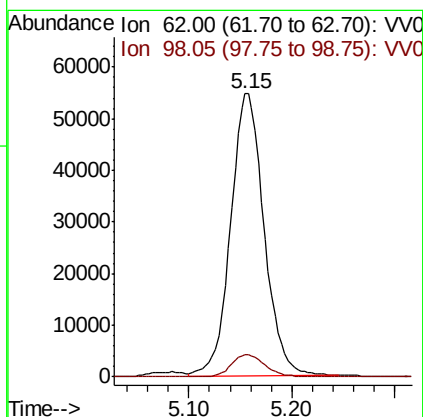
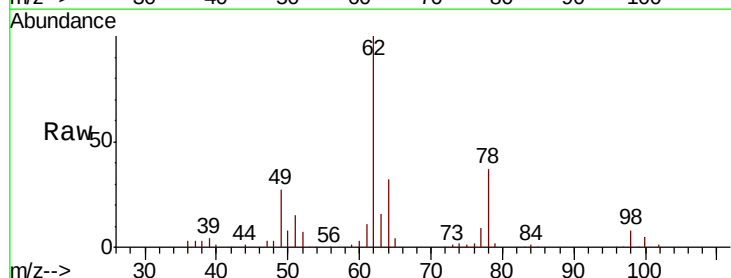
Instrument :
MSVOA_V
ClientSampleId :

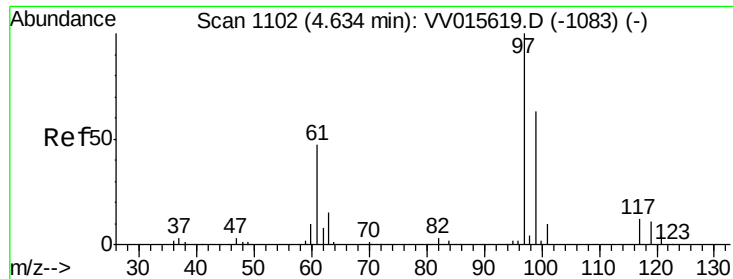
Tot Ion: 83 Resp: 187041
Ion Ratio Lower Upper
83 100
85 64.3 46.1 85.5



#27
1,2-Dichloroethane
Concen: 10.454 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

Tgt Ion: 62 Resp: 123569
Ion Ratio Lower Upper
62 100
98 7.8 6.3 9.5

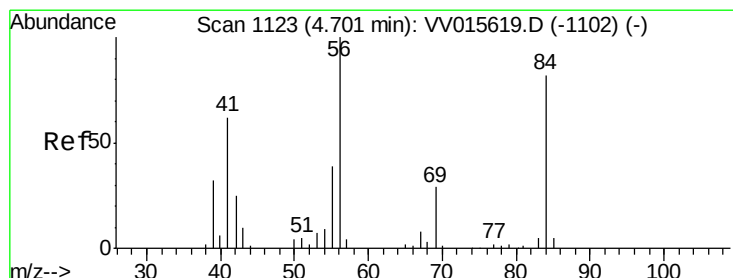
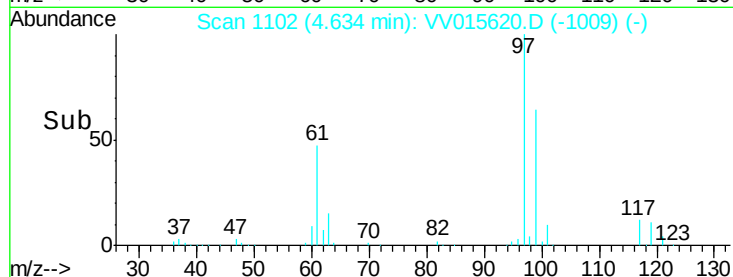
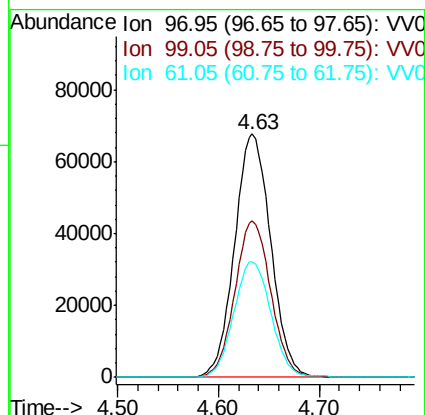
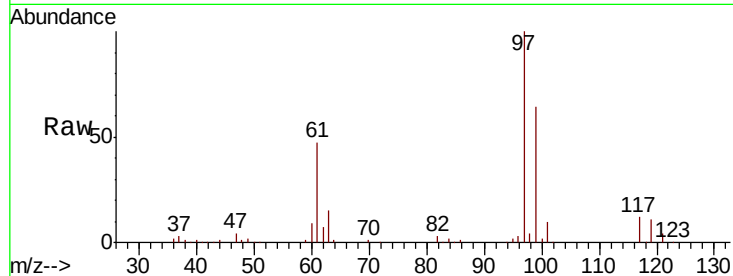




#29
1,1,1-Trichloroethane
Concen: 10.169 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

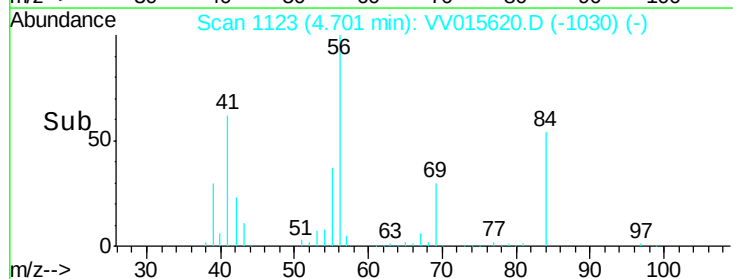
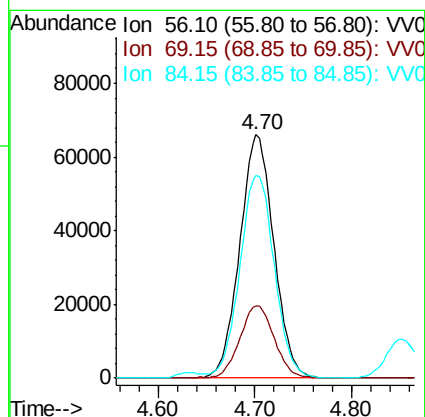
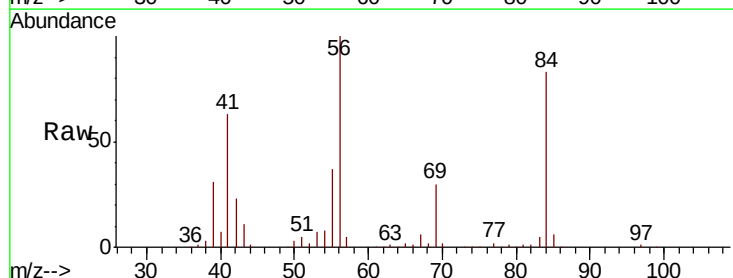
Instrument :
MSVOA_V
ClientSampleId :

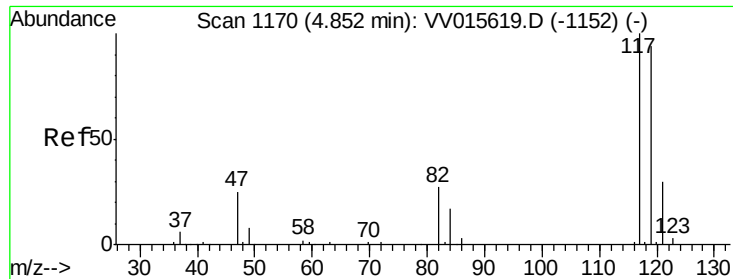
Tot Ion: 97 Resp: 168619
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 49.1 38.6 57.8



#30
Cyclohexane
Concen: 9.391 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

Tgt Ion: 56 Resp: 161753
Ion Ratio Lower Upper
56 100
69 30.0 23.9 35.9
84 84.8 66.9 100.3

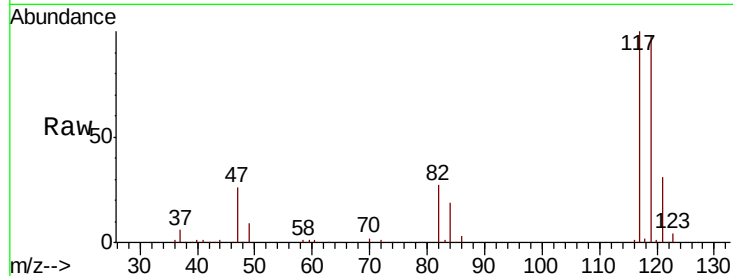




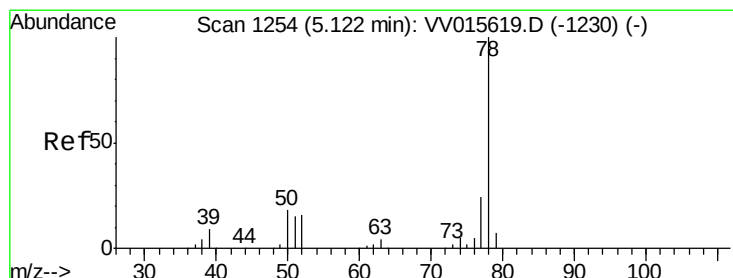
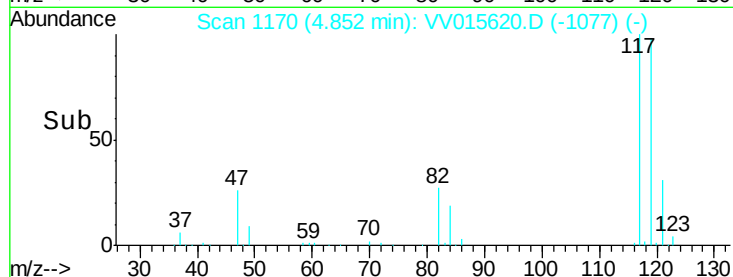
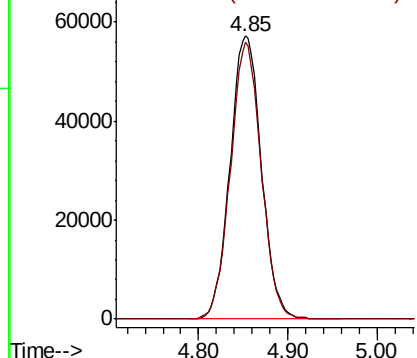
#31
Carbon tetrachloride
Concen: 9.749 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 139076
Ion Ratio Lower Upper
117 100
119 95.8 75.6 113.4

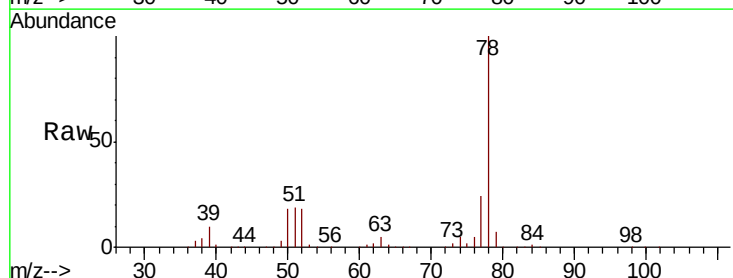


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

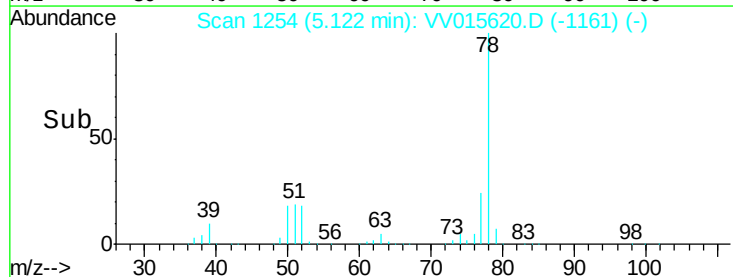
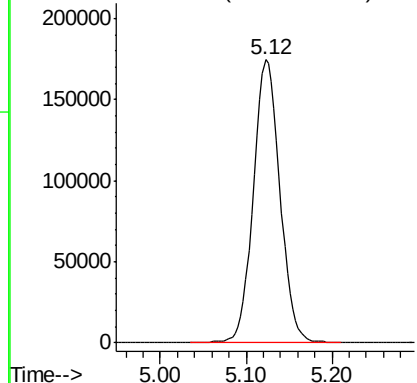


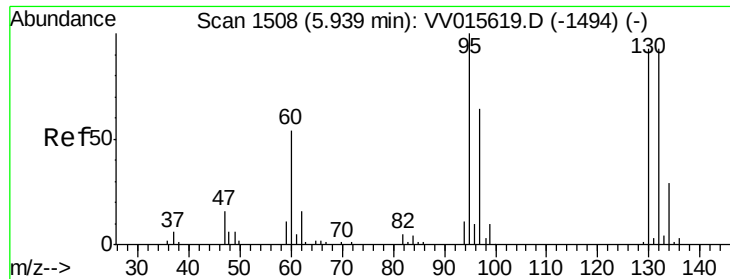
#33
Benzene
Concen: 9.937 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

Tgt Ion: 78 Resp: 377641



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.063 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 103650

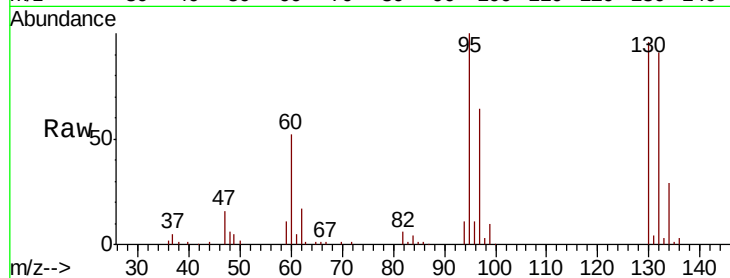
Ion Ratio Lower Upper

95 100

97 63.8 44.7 82.9

132 91.2 65.2 121.0

130 96.4 65.0 120.6

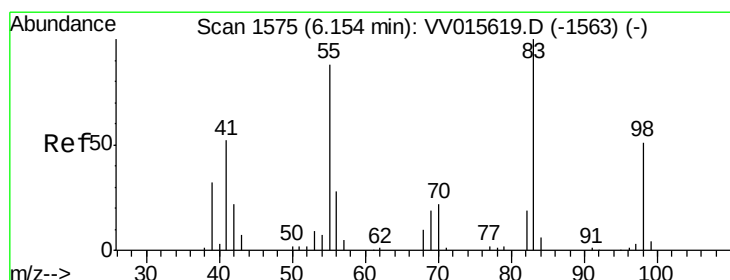
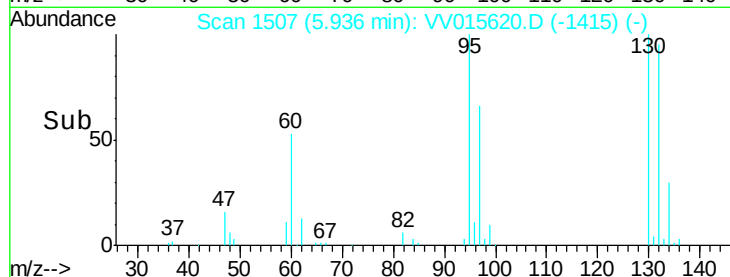
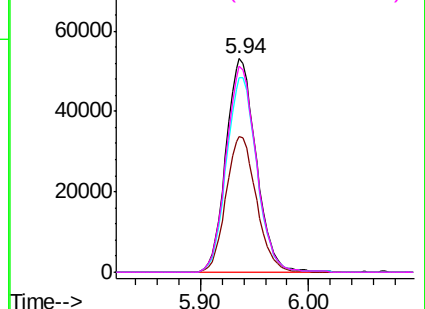


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 9.631 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

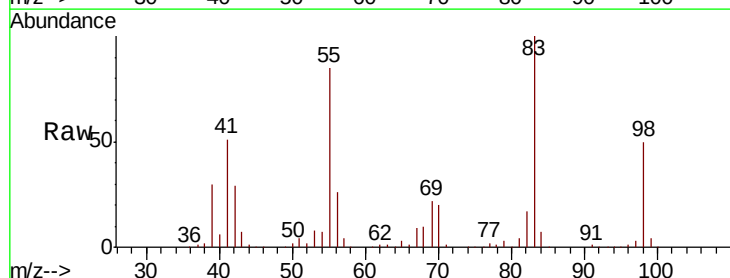
Tgt Ion: 83 Resp: 163186

Ion Ratio Lower Upper

83 100

55 82.1 66.6 99.8

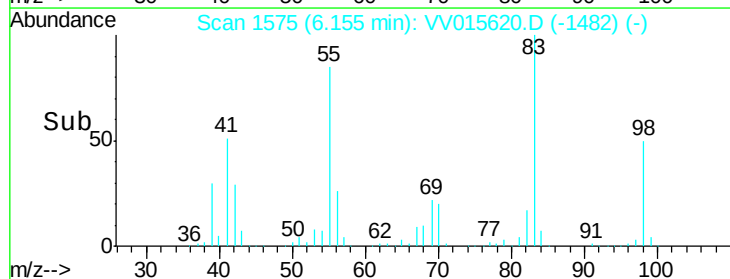
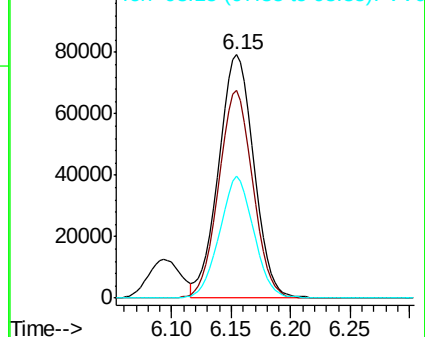
98 48.4 39.5 59.3

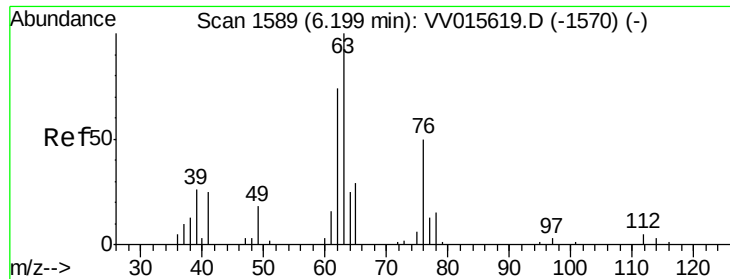


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

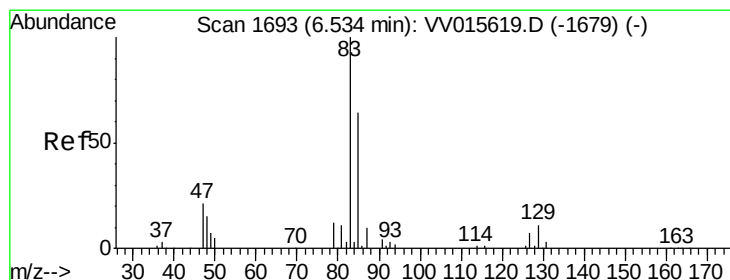
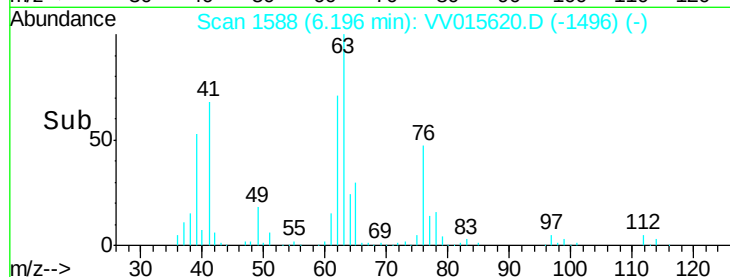
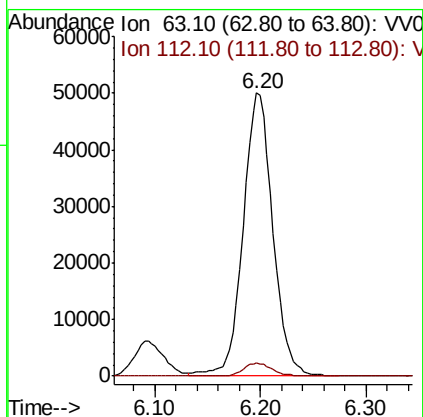
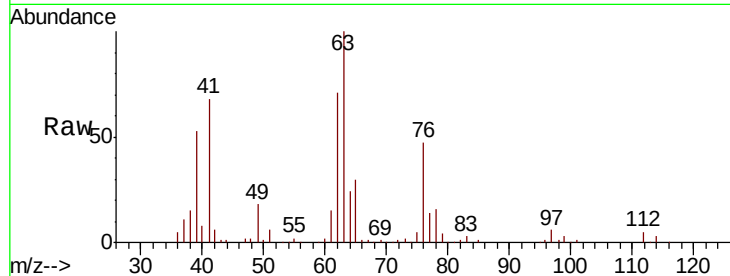




#37
 1,2-Dichloropropane
 Concen: 10.269 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

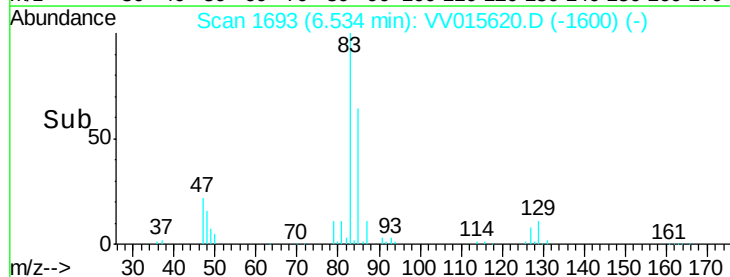
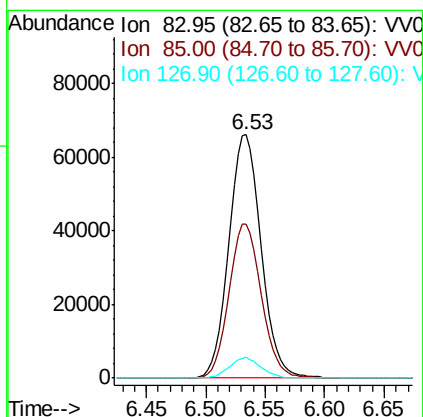
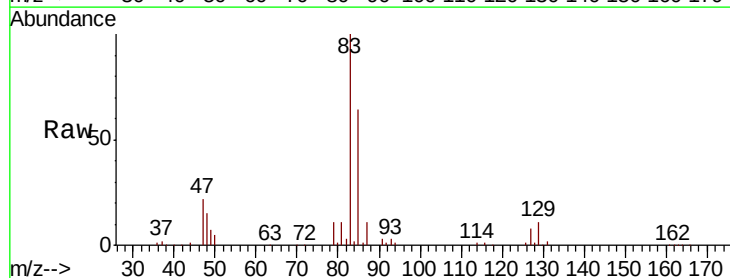
Instrument :
 MSVOA_V
 ClientSampled :

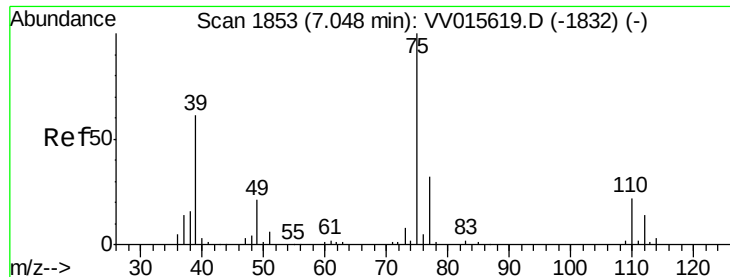
Tot Ion: 63 Resp: 97201
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 10.008 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

Tgt Ion: 83 Resp: 124551
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.7 83.1
 127 8.3 5.8 8.6

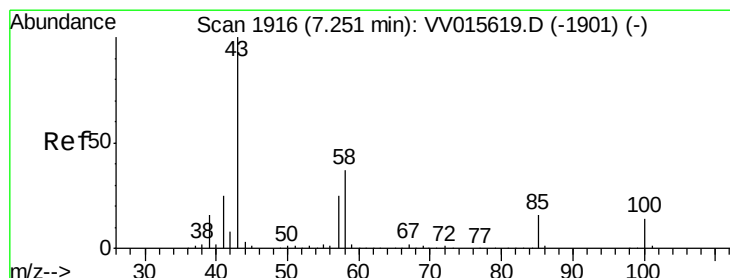
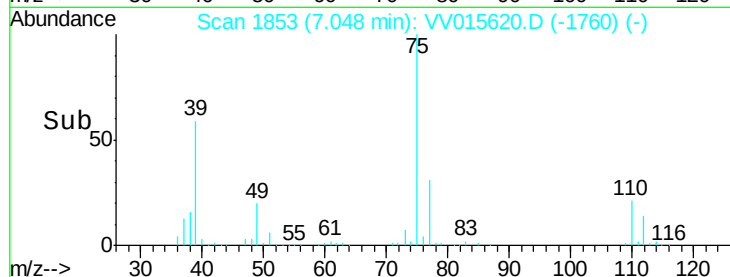
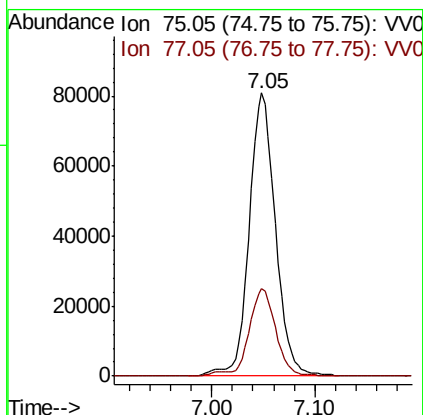
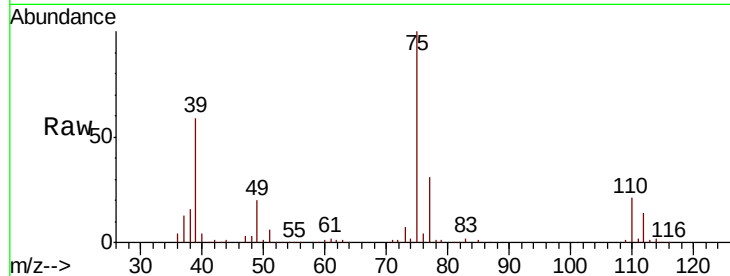




#39
 cis-1,3-Dichloropropene
 Concen: 10.057 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

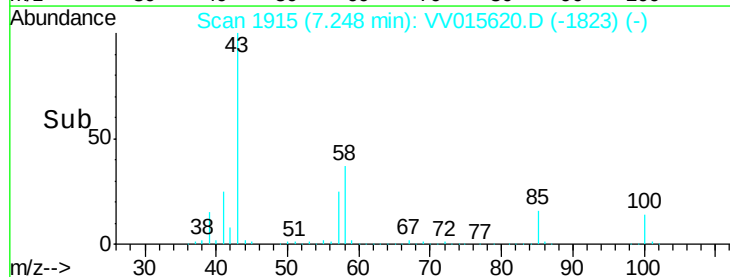
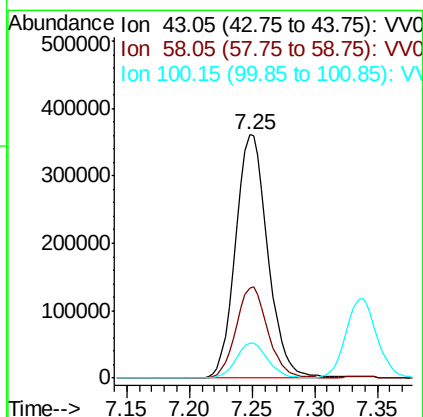
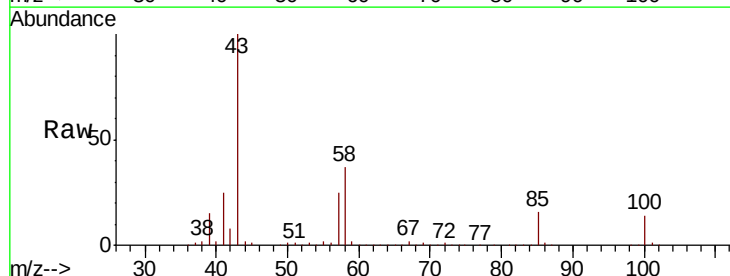
Instrument :
 MSVOA_V
 ClientSampled :

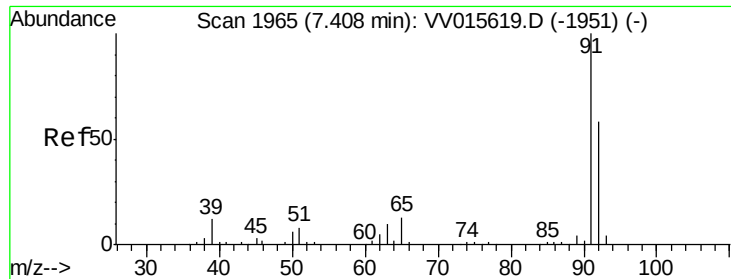
Tot Ion: 75 Resp: 142983
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 103.794 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

Tgt Ion: 43 Resp: 644153
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.2 43.8
 100 14.2 11.4 17.2





#42

Toluene

Concen: 10.046 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

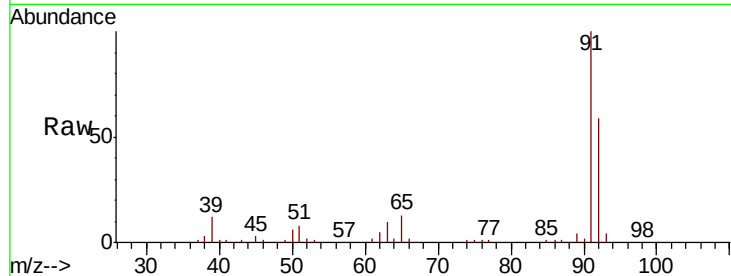
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 413011

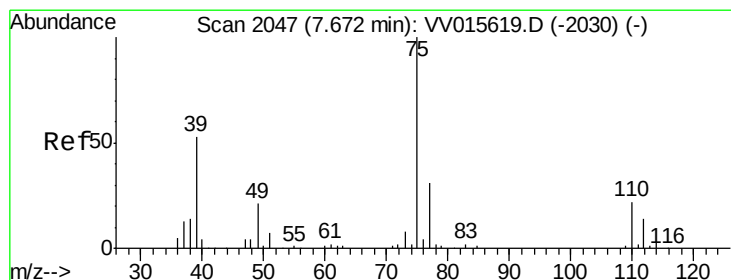
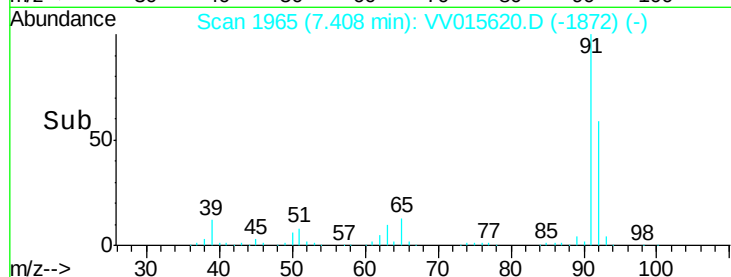
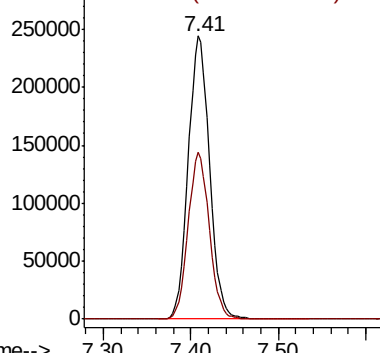
Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 10.138 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015620.D

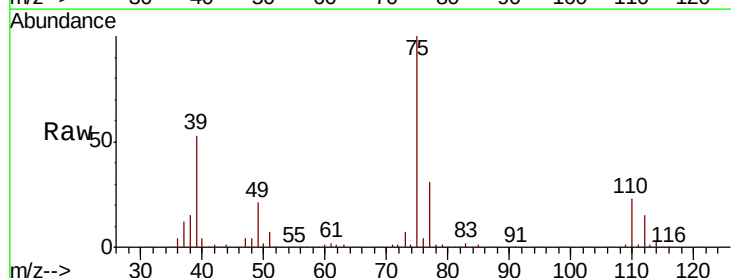
Acq: 22 Apr 2020 14:30

Tgt Ion: 75 Resp: 122496

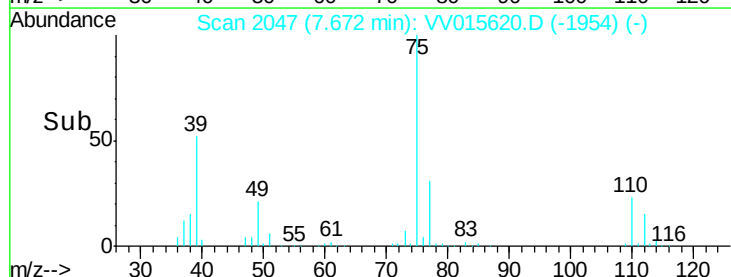
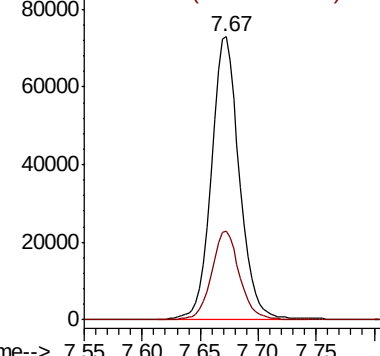
Ion Ratio Lower Upper

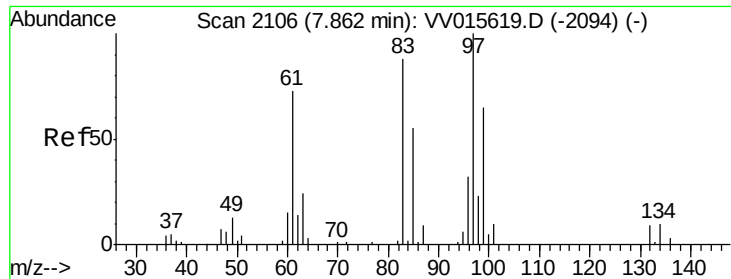
75 100

77 31.5 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

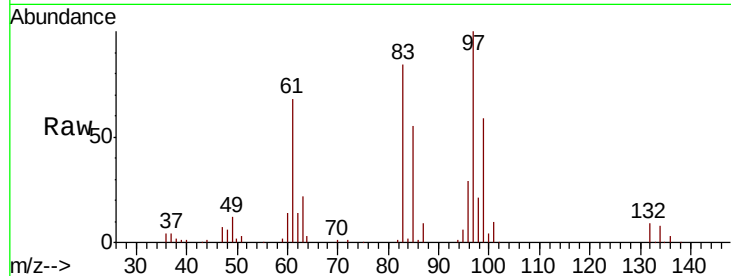




#45
 1,1,2-Trichloroethane
 Concen: 10.382 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	66509
Ion	Ratio	Lower	Upper
97	100		
99	59.3	45.4	84.4
83	83.7	61.3	113.9
85	55.1	38.4	71.4



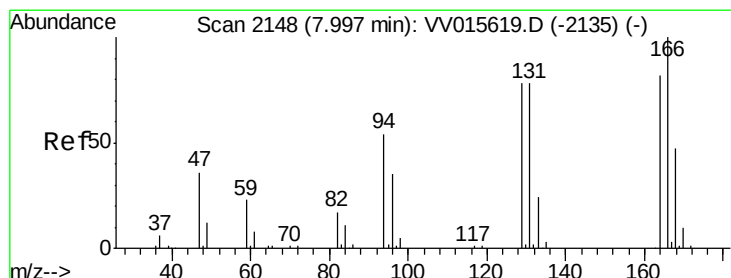
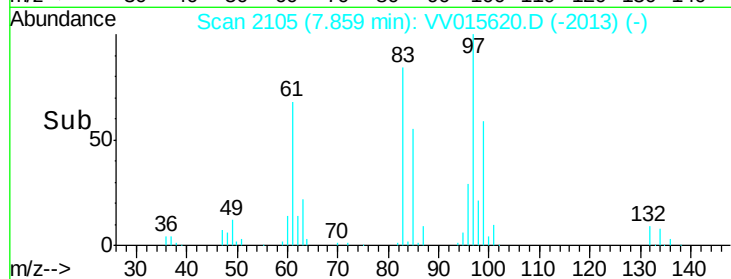
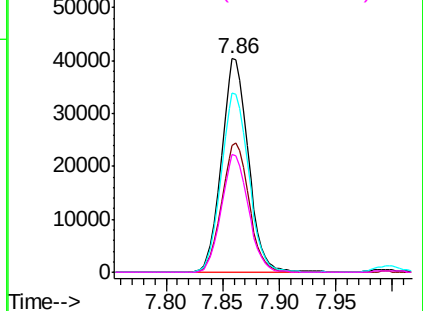
Abundance

Ion 96.95 (96.65 to 97.65): VV015619.D (-2094) (-)

Ion 99.05 (98.75 to 99.75): VV015619.D (-2094) (-)

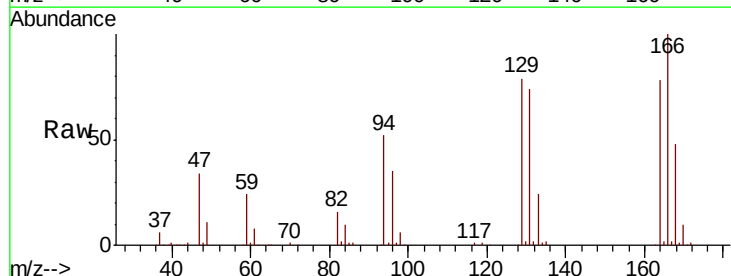
Ion 82.95 (82.65 to 83.65): VV015619.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV015619.D (-2094) (-)



#47
 Tetrachloroethene
 Concen: 9.869 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

Tgt Ion:	164	Resp:	74710
Ion	Ratio	Lower	Upper
164	100		
129	100.9	66.7	123.9
131	95.1	66.6	123.6
166	128.1	85.3	158.5



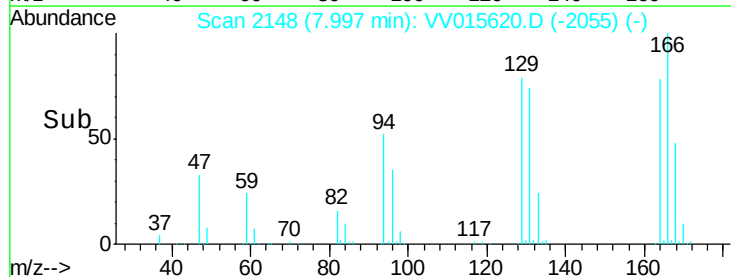
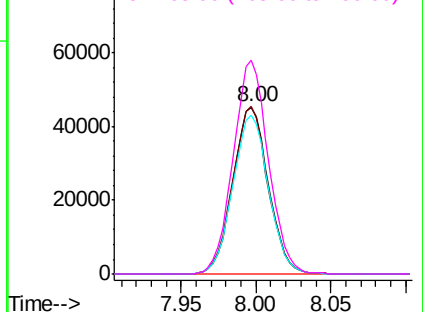
Abundance

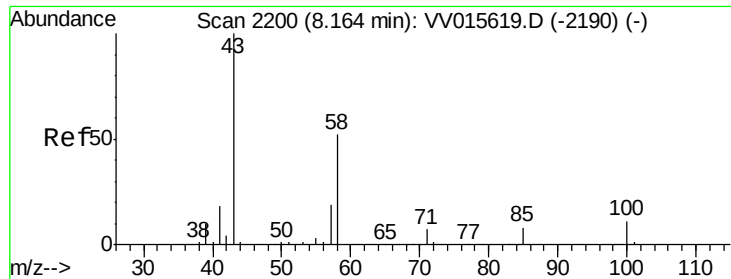
Ion 163.90 (163.60 to 164.60): VV015619.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV015619.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV015619.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV015619.D (-2135) (-)

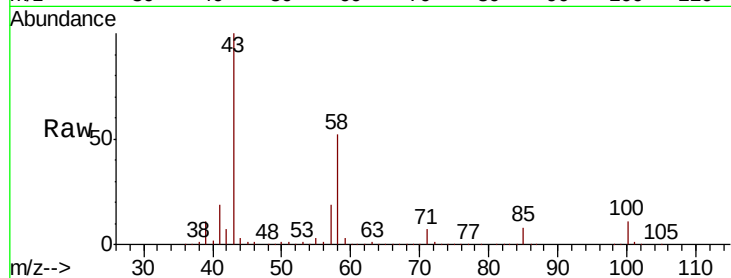




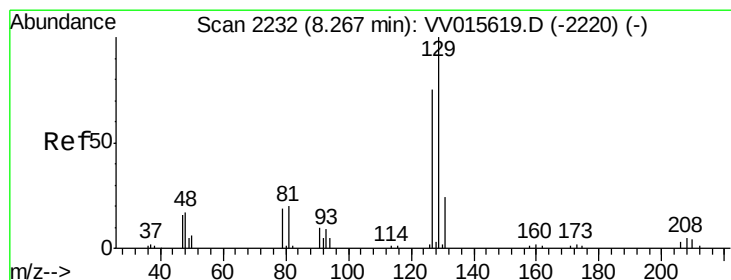
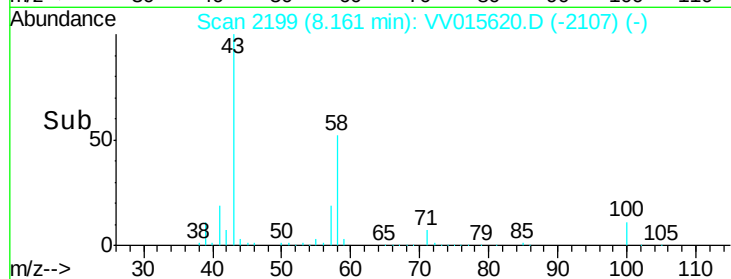
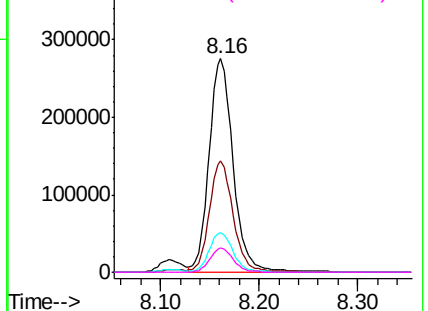
#48
2-Hexanone
Concen: 106.708 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 464897
Ion Ratio Lower Upper
43 100
58 51.6 41.1 61.7
57 18.6 15.0 22.4
100 11.3 9.0 13.4

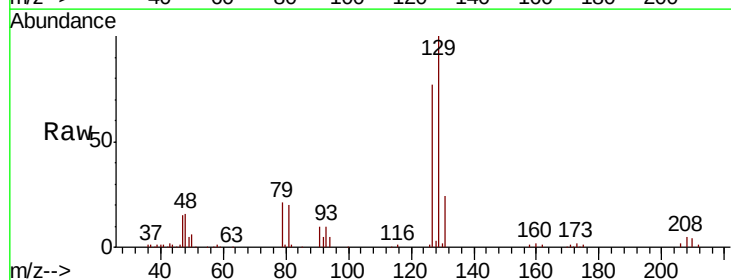


Abundance Ion 43.05 (42.75 to 43.75): VV015620.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV015620.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV015620.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV015620.D (-2190) (-)

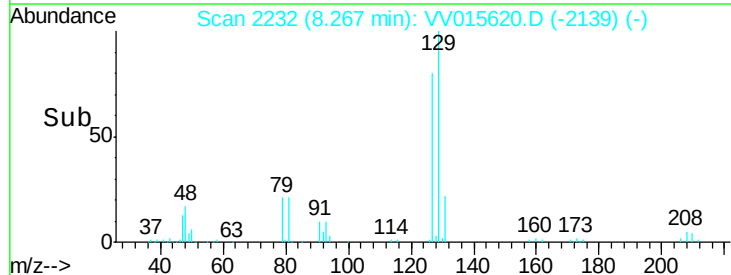
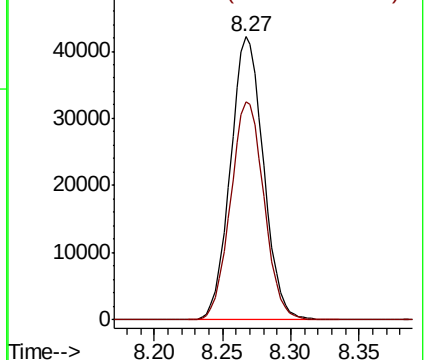


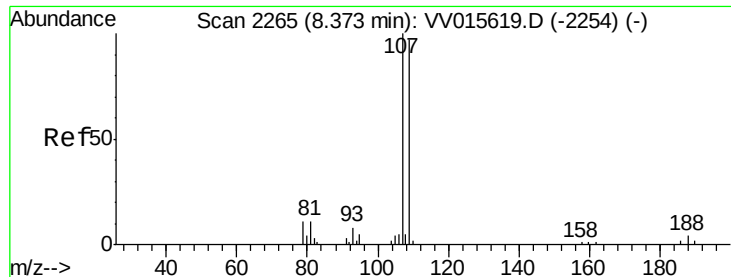
#49
Dibromochloromethane
Concen: 9.546 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

Tgt Ion: 129 Resp: 70807
Ion Ratio Lower Upper
129 100
127 77.2 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015620.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VV015620.D (-2232) (-)

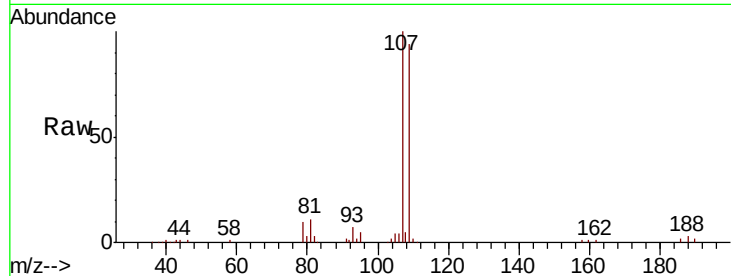




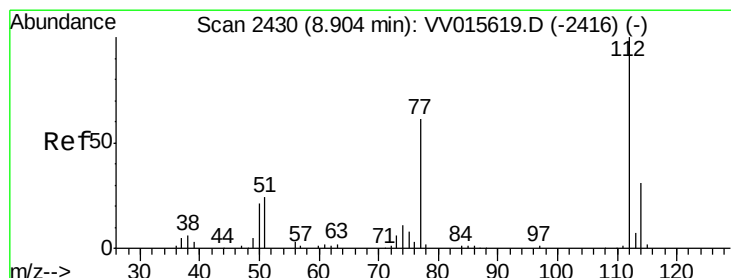
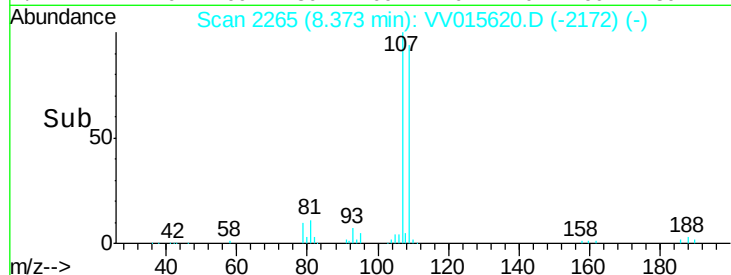
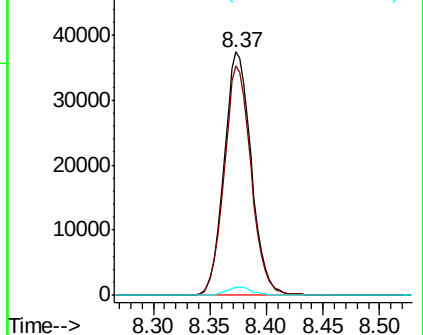
#50
1,2-Dibromoethane
Concen: 10.269 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 62570
Ion Ratio Lower Upper
107 100
109 94.2 68.1 126.5
188 3.3 3.2 4.8

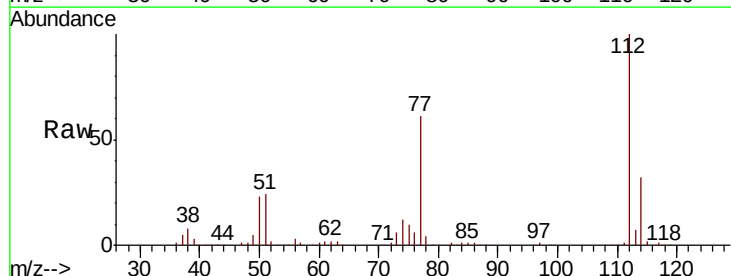


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

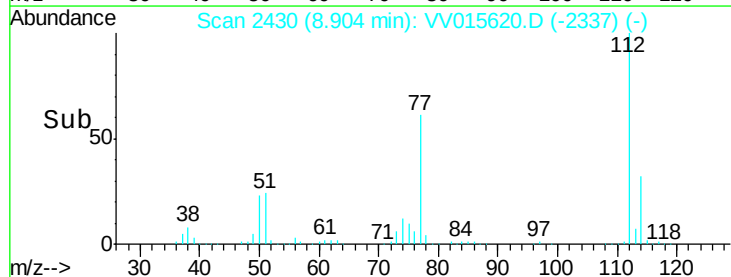
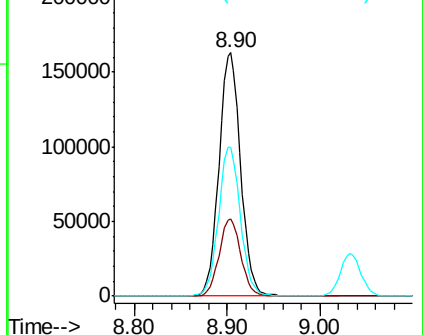


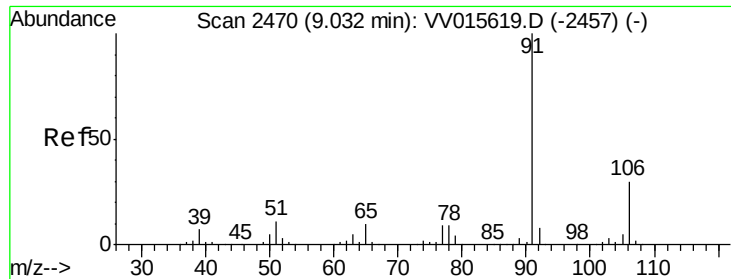
#51
Chlorobenzene
Concen: 10.023 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015620.D
Acq: 22 Apr 2020 14:30

Tgt Ion:112 Resp: 263470
Ion Ratio Lower Upper
112 100
114 32.0 21.6 40.2
77 61.3 48.9 73.3



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): V





#52

Ethylbenzene

Concen: 10.108 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

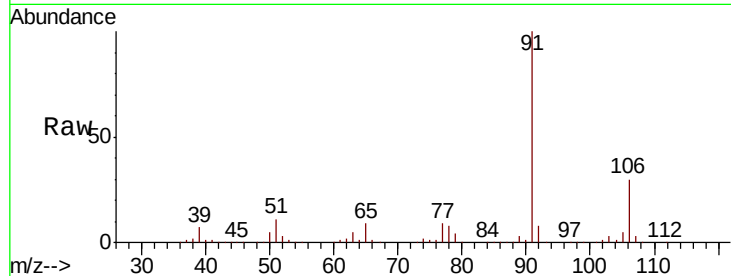
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 477608

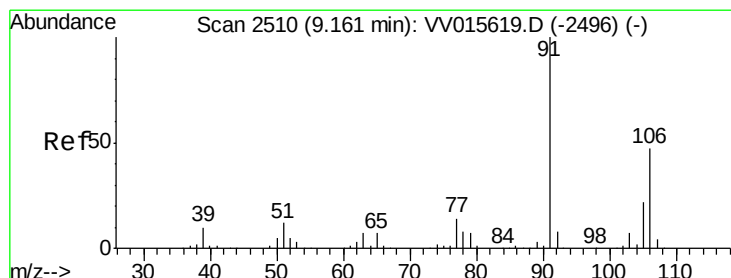
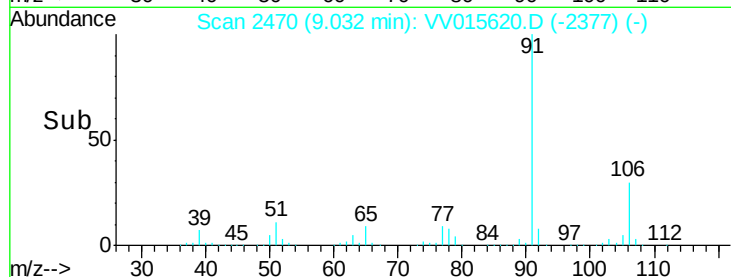
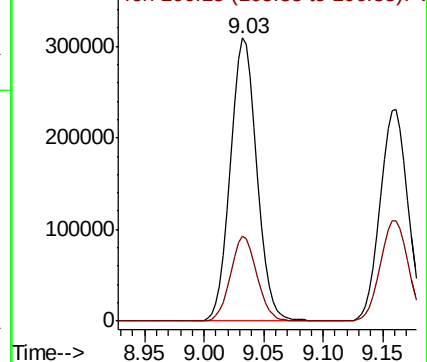
Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015620.D (-2377) (-)



#53

m,p-xylene

Concen: 10.116 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015620.D

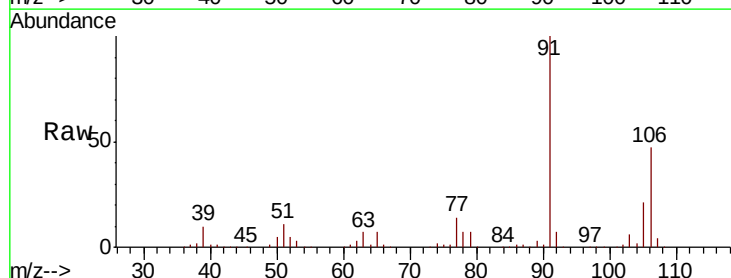
Acq: 22 Apr 2020 14:30

Tgt Ion: 106 Resp: 180036

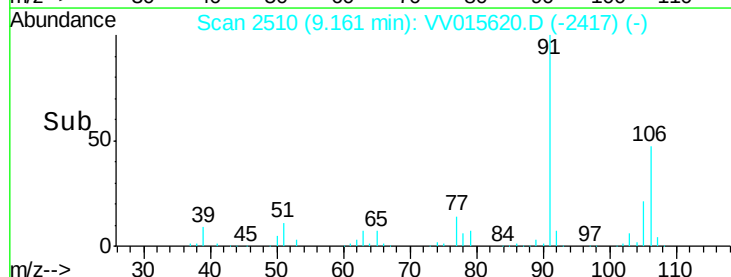
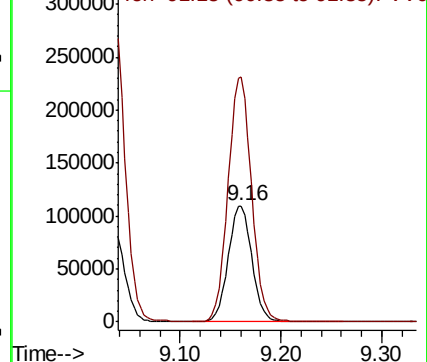
Ion Ratio Lower Upper

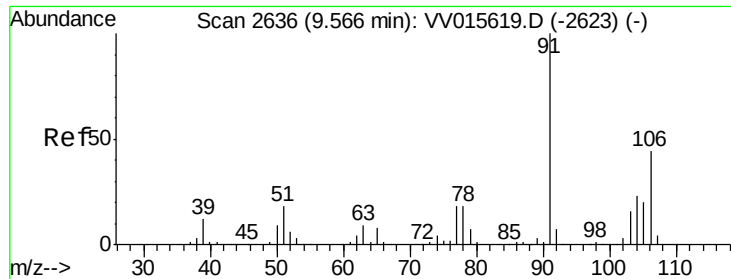
106 100

91 211.0 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015620.D (-2417) (-)





#54

o-xylene

Concen: 10.022 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

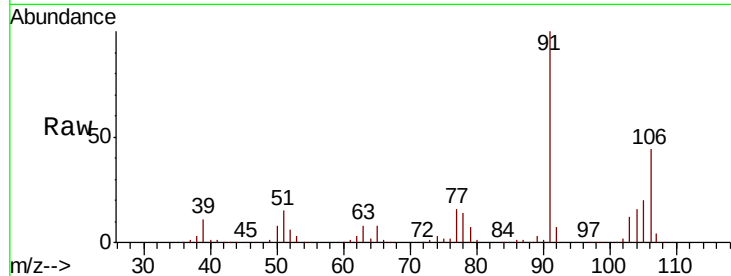
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 172795

Ion Ratio Lower Upper

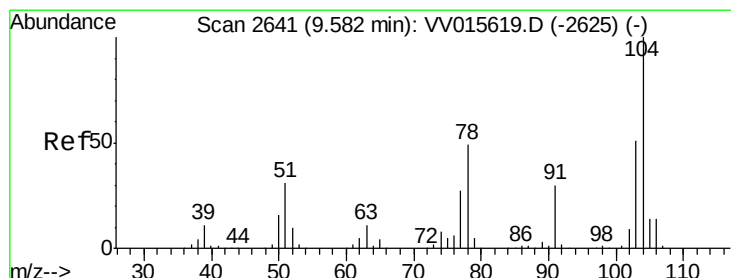
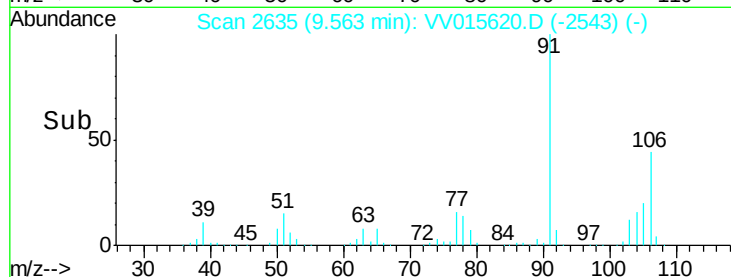
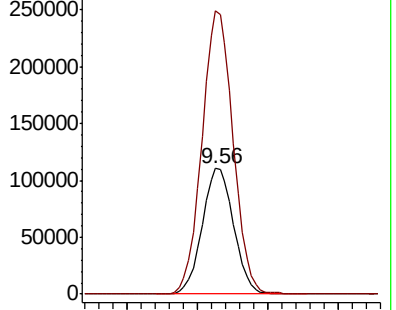
106 100

91 225.7 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.302 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015620.D

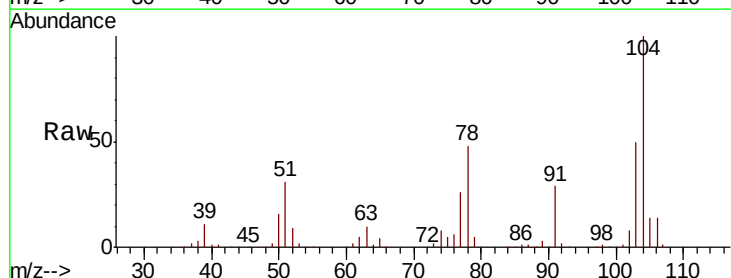
Acq: 22 Apr 2020 14:30

Tgt Ion:104 Resp: 299169

Ion Ratio Lower Upper

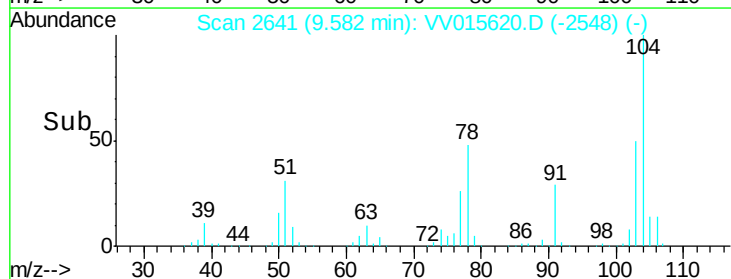
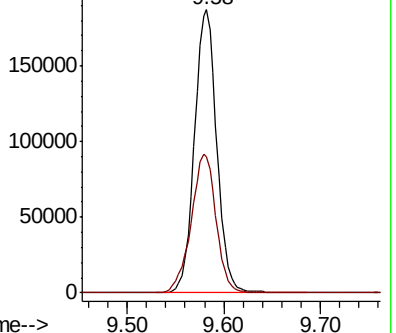
104 100

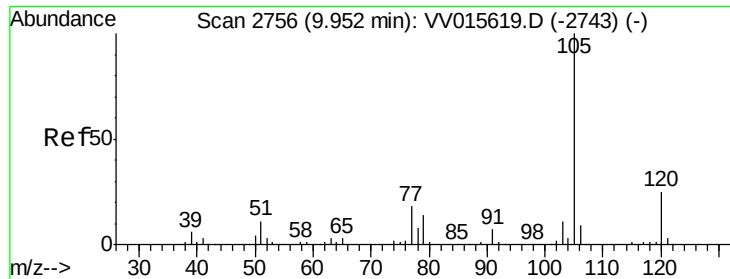
78 48.3 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.099 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

Instrument :

MSVOA_V

ClientSampleId :

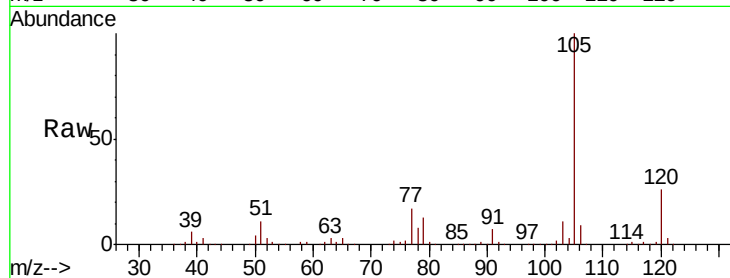
Tot Ion:105 Resp: 478780

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

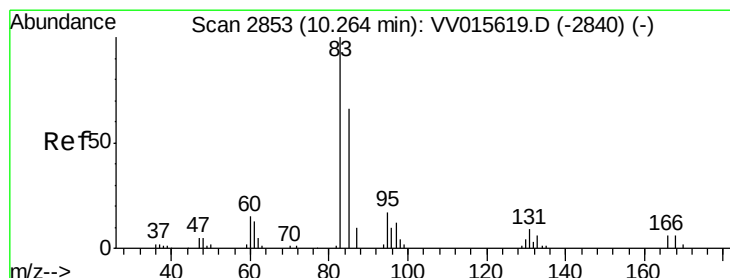
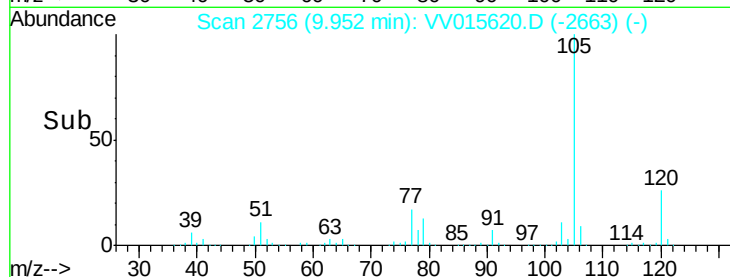
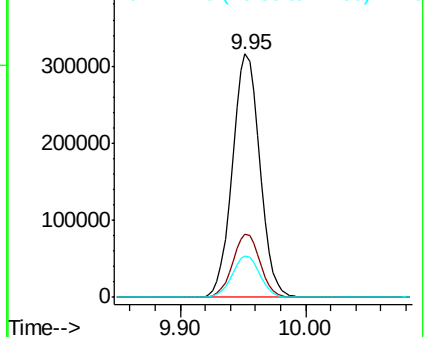
77 17.1 13.9 20.9



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.112 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

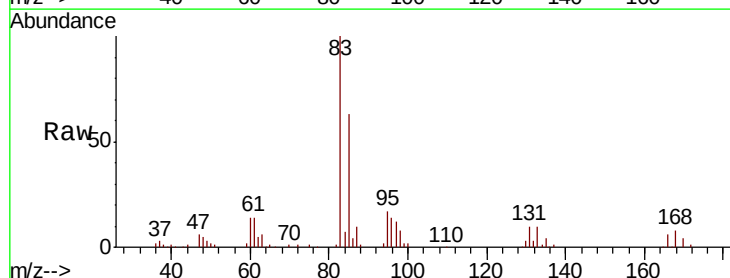
Tgt Ion: 83 Resp: 77825

Ion Ratio Lower Upper

83 100

85 63.5 46.3 85.9

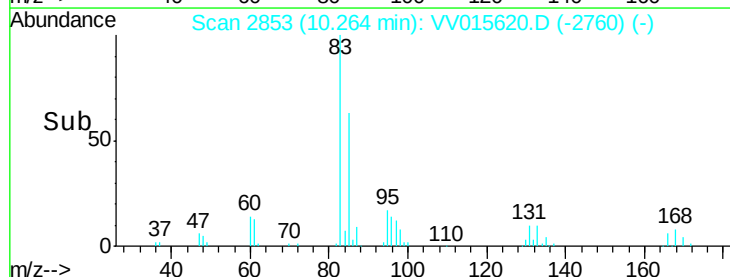
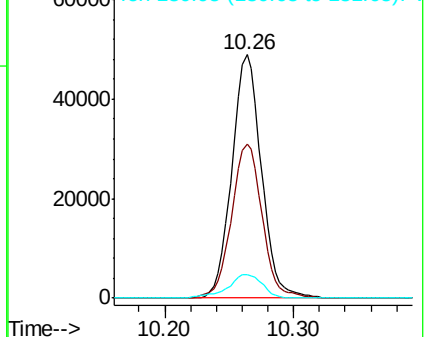
131 9.7 7.7 11.5

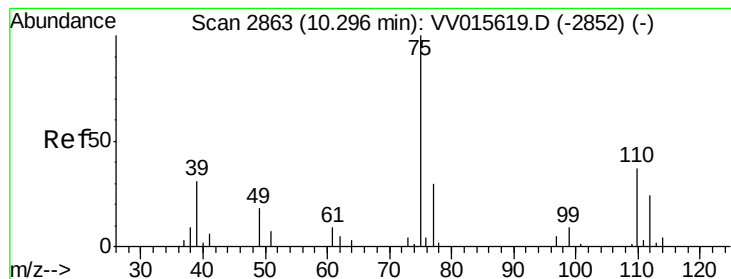


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.441 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

Instrument :

MSVOA_V

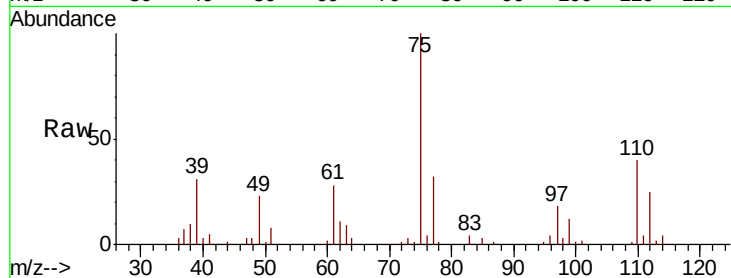
ClientSampleId :

Tot Ion: 75 Resp: 61308

Ion Ratio Lower Upper

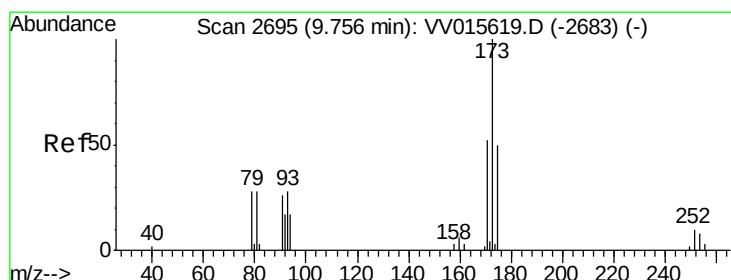
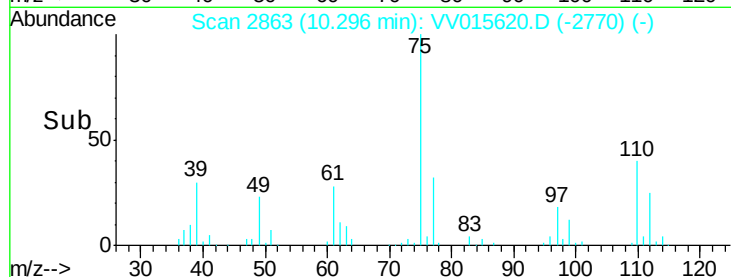
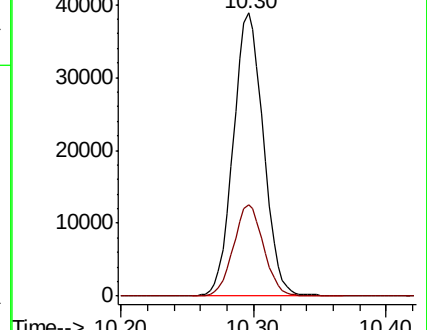
75 100

77 32.4 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015619.D (-2852) (-)

Ion 77.00 (76.70 to 77.70): VV015619.D (-2852) (-)



#61

Bromoform

Concen: 8.246 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

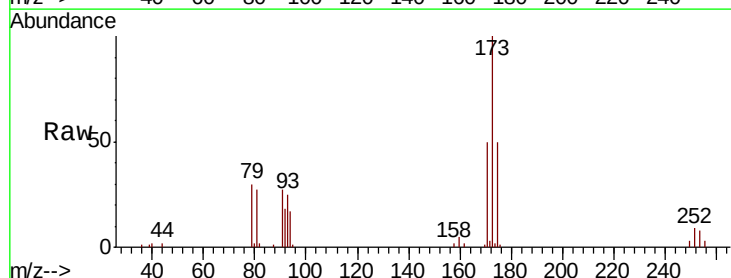
Tgt Ion:173 Resp: 30219

Ion Ratio Lower Upper

173 100

175 48.6 39.8 59.8

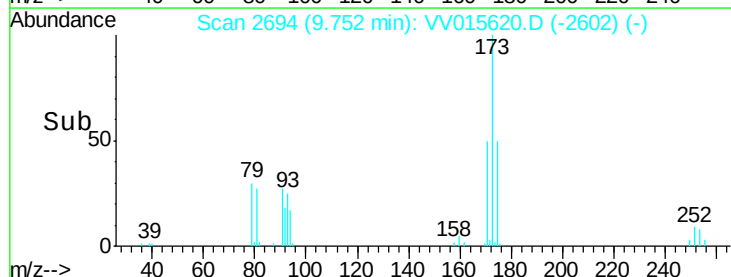
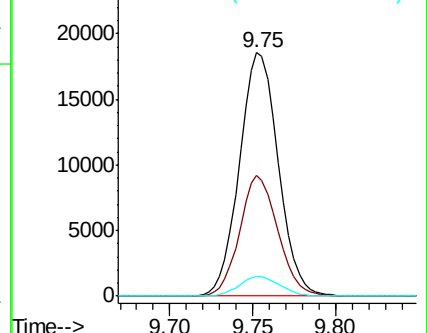
254 8.3 5.8 8.8

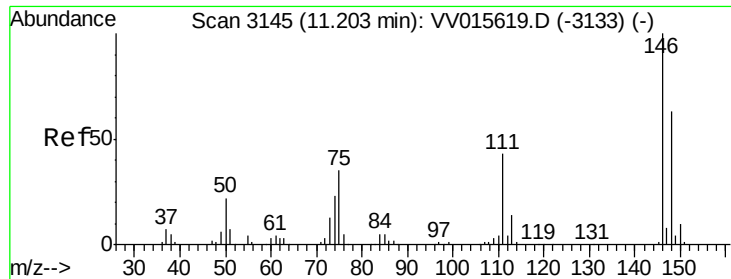


Abundance Ion 172.90 (172.60 to 173.60): VV015619.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015619.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015619.D (-2683) (-)





#62

1,3-Dichlorobenzene

Concen: 9.948 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

Instrument :

MSVOA_V

ClientSampleId :

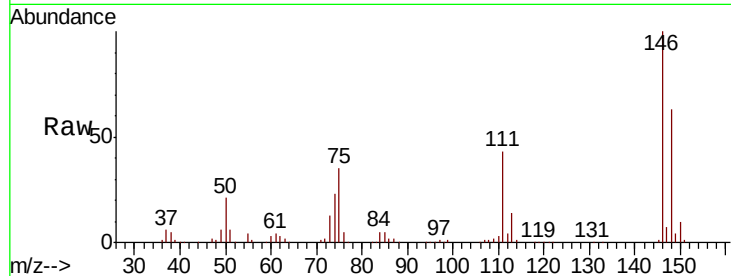
Tot Ion:146 Resp: 213823

Ion Ratio Lower Upper

146 100

111 42.5 30.0 55.6

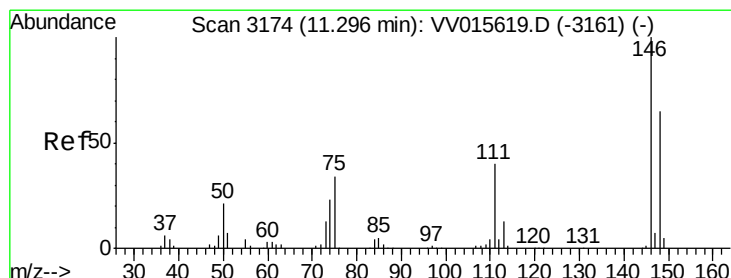
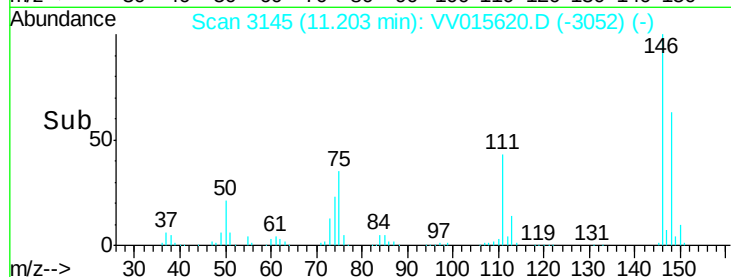
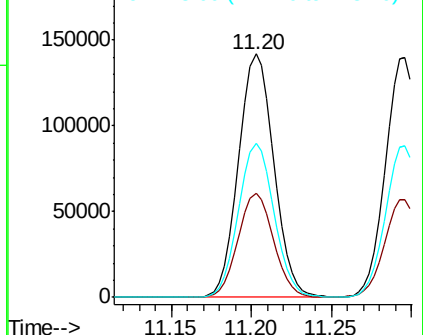
148 63.0 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 9.743 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

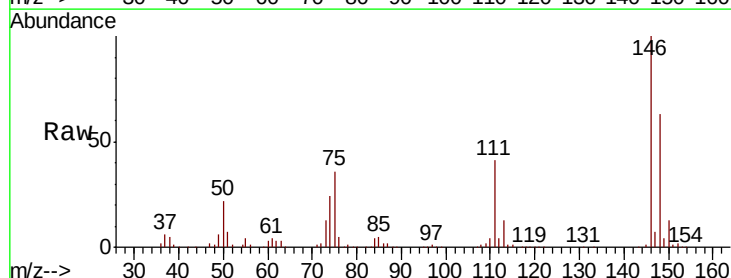
Tgt Ion:146 Resp: 213432

Ion Ratio Lower Upper

146 100

111 41.0 28.2 52.4

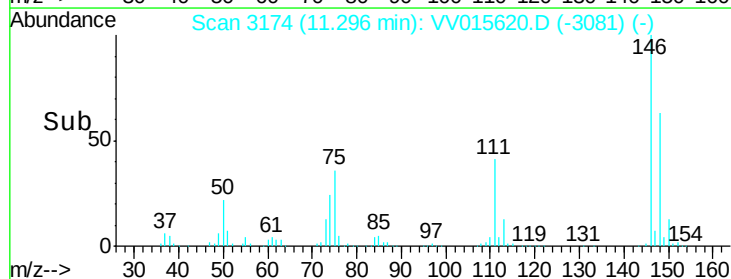
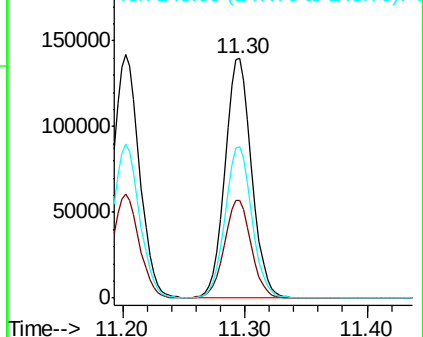
148 63.4 45.7 84.9

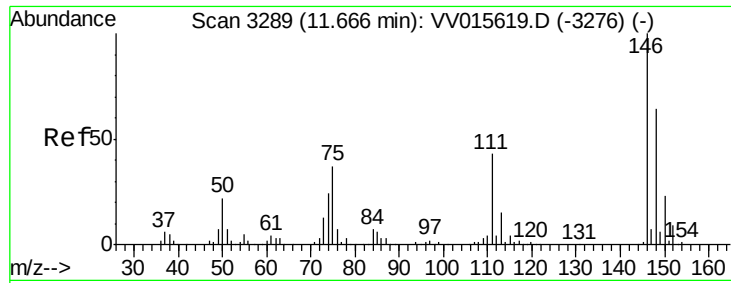


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.981 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

Instrument :

MSVOA_V

ClientSampleId :

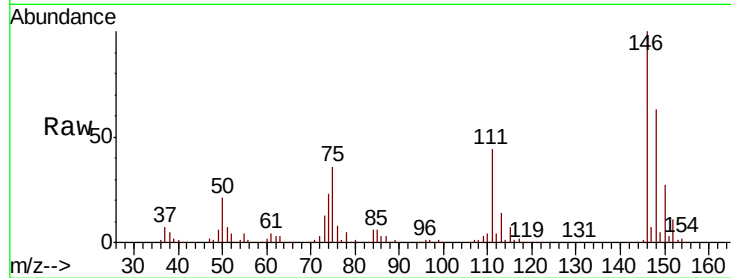
Tot Ion:146 Resp: 196585

Ion Ratio Lower Upper

146 100

111 44.3 34.7 52.1

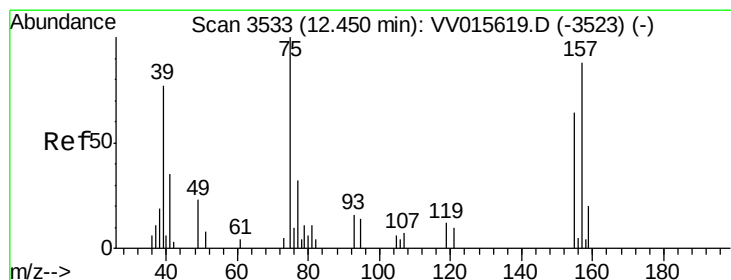
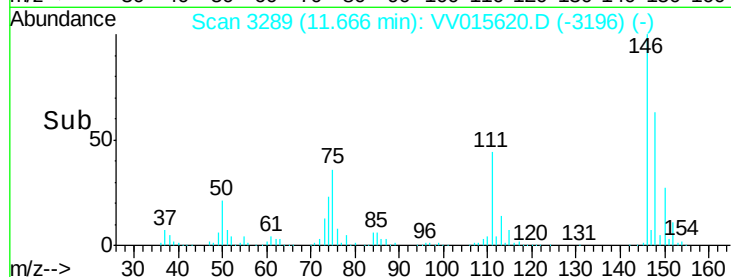
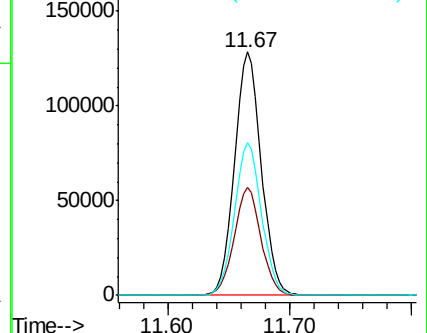
148 62.7 51.3 76.9



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-Dibromo-3-chloropropane

Concen: 9.375 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

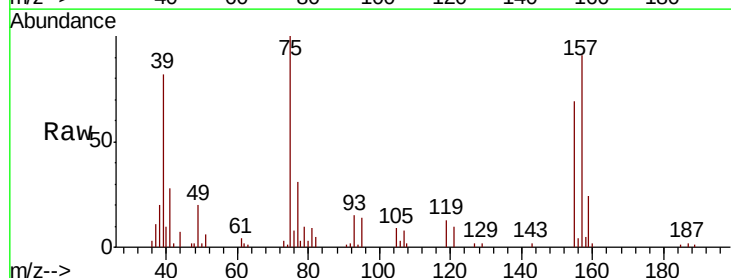
Tgt Ion: 75 Resp: 13724

Ion Ratio Lower Upper

75 100

155 68.9 51.0 76.4

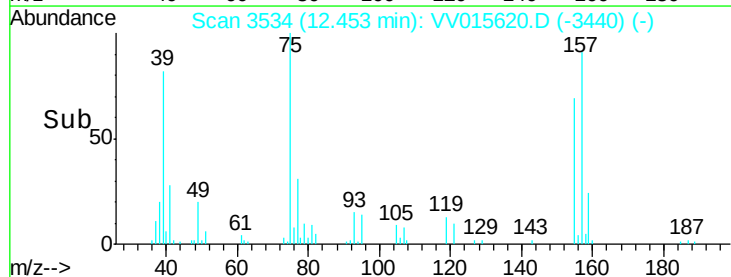
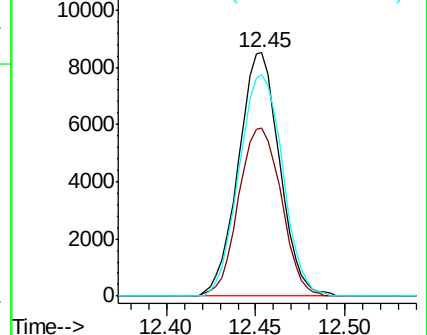
157 91.0 70.6 106.0

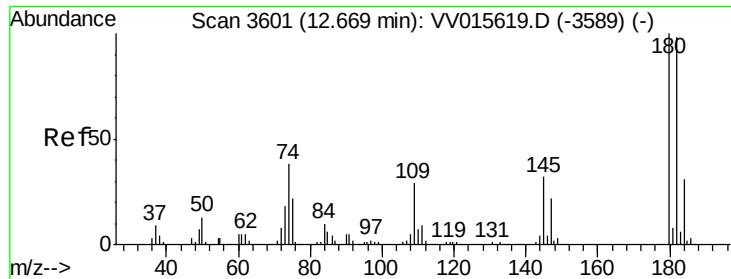


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

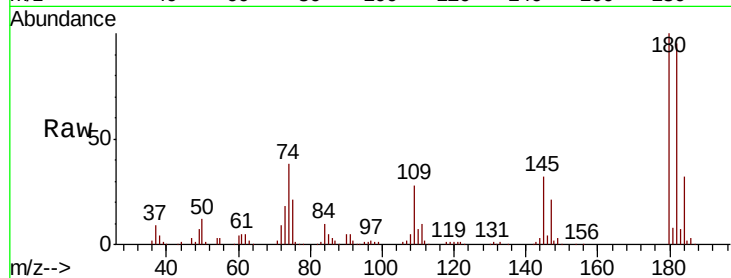




#67
 1,3,5-Trichlorobenzene
 Concen: 10.312 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	78.2	117.4
184	30.7	25.0	37.4
145	32.5	26.4	39.6

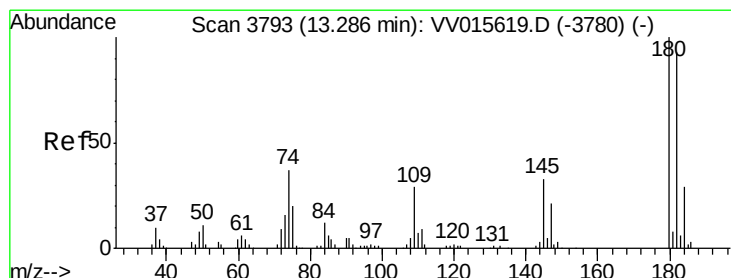
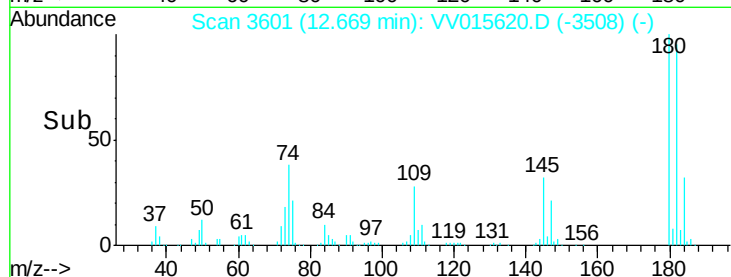
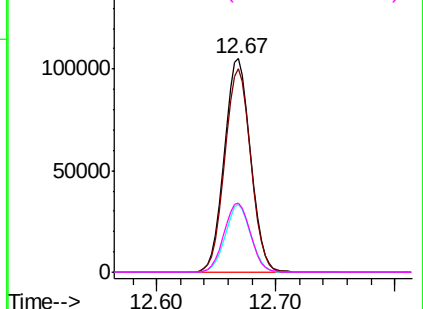


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

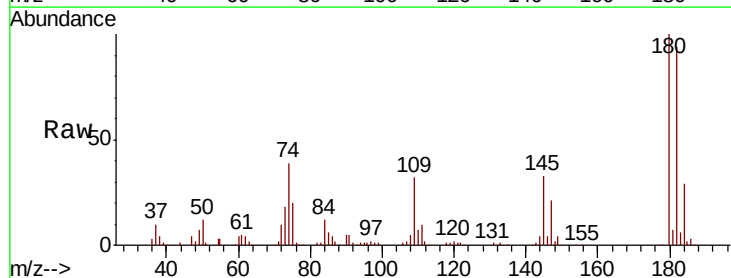
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.238 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015620.D
 Acq: 22 Apr 2020 14:30

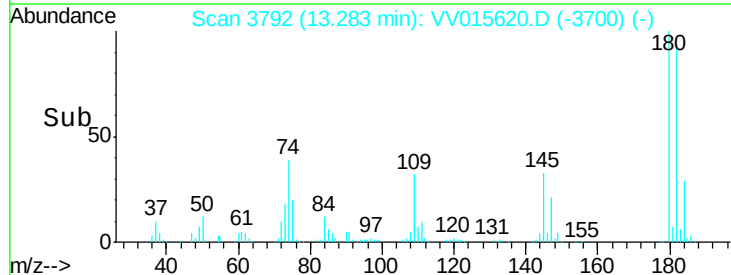
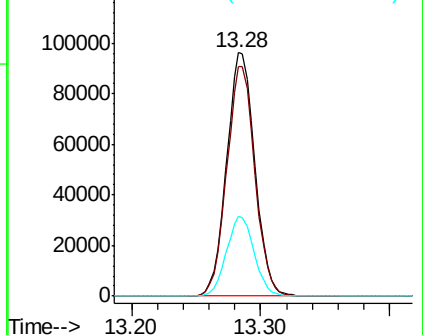
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	74.8	112.2
145	32.3	25.9	38.9

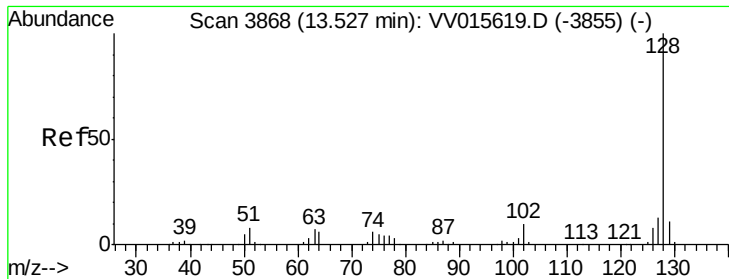


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 10.045 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

Instrument :

MSVOA_V

ClientSampleId :

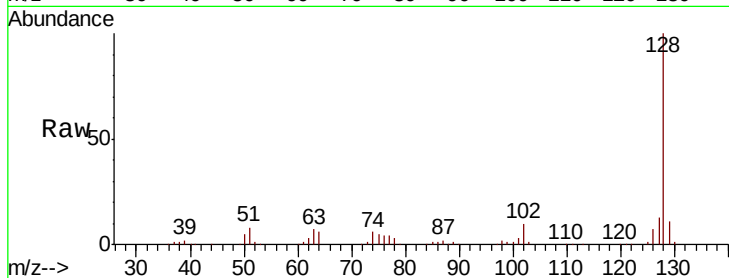
Tot Ion:128 Resp: 264114

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

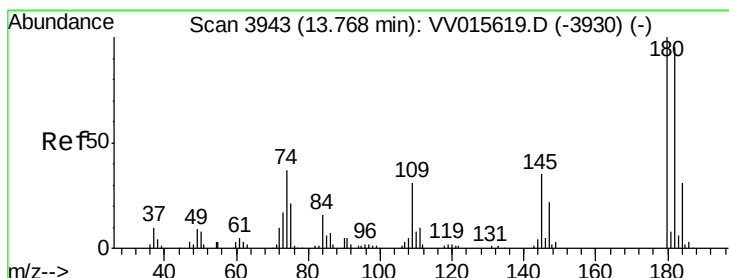
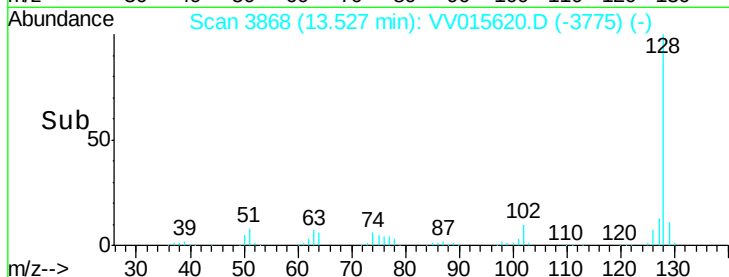
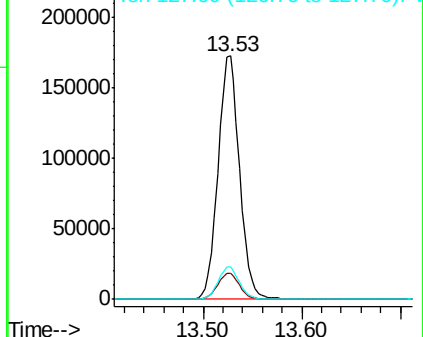
127 13.2 10.2 15.4



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



#70

1,2,3-Trichlorobenzene

Concen: 10.330 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015620.D

Acq: 22 Apr 2020 14:30

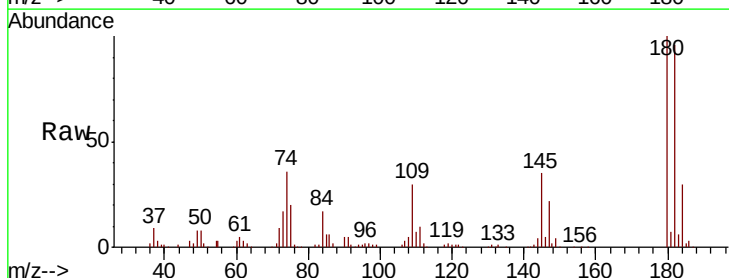
Tgt Ion:180 Resp: 128909

Ion Ratio Lower Upper

180 100

182 95.3 74.8 112.2

145 35.1 28.4 42.6



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

