

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
 Data File : VV015617.D
 Acq On : 22 Apr 2020 13:20
 Operator : SY/MD
 Sample : VSTD0.535
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:30:31 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	134281	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	124617	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	62432	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	3689	0.53	ug/L	0.00
7) Chloroethane-d5	1.57	69	3607	0.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	8089	0.55	ug/L	0.00
20) 2-Butanone-d5	4.20	46	206	0.10	ug/L	0.27
24) Chloroform-d	4.38	84	8085	0.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	4800	0.57	ug/L	0.00
32) Benzene-d6	5.07	84	14641	0.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	4885	0.56	ug/L	0.00
41) Toluene-d8	7.34	98	13686	0.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	1712	0.46	ug/L	0.00
46) 2-Hexanone-d5	8.12	63	7494	4.13	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	3425	0.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	5620	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	5539	0.431 ug/L	99
3) Chloromethane	1.24	50	4759	0.395 ug/L	99
5) Vinyl chloride	1.32	62	5016	0.426 ug/L	96
6) Bromomethane	1.53	94	2002	0.321 ug/L	94
8) Chloroethane	1.59	64	3314	0.469 ug/L	96
9) Trichlorofluoromethane	1.76	101	7006	0.457 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3863	0.443 ug/L	92
12) 1,1-Dichloroethene	2.13	96	3660	0.441 ug/L	93
13) Acetone	2.23	43	3667	2.593 ug/L	90
14) Carbon disulfide	2.30	76	10232	0.370 ug/L	95
15) Methyl Acetate	2.47	43	1783	0.428 ug/L #	74
16) Methylene chloride	2.52	84	5333	0.545 ug/L	94
17) Methyl tert-butyl Ether	2.79	73	9828	0.439 ug/L #	92
18) trans-1,2-Dichloroethene	2.78	96	4119	0.444 ug/L	97
19) 1,1-Dichloroethane	3.21	63	7966	0.450 ug/L	99
21) 2-Butanone	4.05	43	4241	1.848 ug/L	87
22) cis-1,2-Dichloroethene	3.94	96	4512	0.464 ug/L	90
23) Bromochloromethane	4.28	128	1846	0.457 ug/L	86
25) Chloroform	4.40	83	8491	0.466 ug/L	99
27) 1,2-Dichloroethane	5.16	62	5654	0.480 ug/L #	89
29) 1,1,1-Trichloroethane	4.63	97	7261	0.450 ug/L	99
30) Cyclohexane	4.70	56	6849	0.409 ug/L	100
31) Carbon tetrachloride	4.85	117	5948	0.429 ug/L	100
33) Benzene	5.13	78	16377	0.443 ug/L	100
34) Trichloroethene	5.94	95	4612	0.461 ug/L	95
35) Methylcyclohexane	6.15	83	6535	0.397 ug/L	95
37) 1,2-Dichloropropane	6.20	63	4175	0.454 ug/L #	86
38) Bromodichloromethane	6.53	83	5255	0.434 ug/L #	95
39) cis-1,3-Dichloropropene	7.05	75	5262	0.381 ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	26930	4.464 ug/L	97

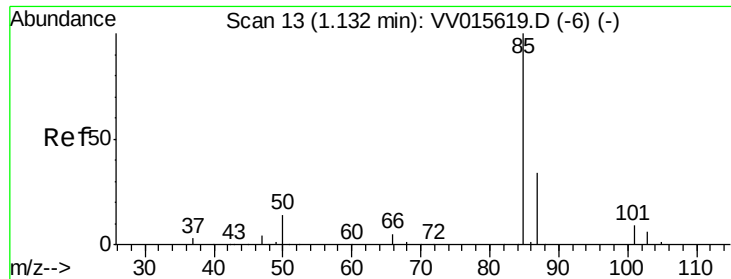
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 00:28:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	17284	0.432	ug/L	100
44) trans-1,3-Dichloropropene	7.68	75	4312	0.367	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	2890	0.464	ug/L	96
47) Tetrachloroethene	8.00	164	3330	0.453	ug/L	95
48) 2-Hexanone	8.17	43	18874	4.456	ug/L	98
49) Dibromochloromethane	8.27	129	2762	0.383	ug/L	99
50) 1,2-Dibromoethane	8.38	107	2481	0.419	ug/L #	95
51) Chlorobenzene	8.90	112	12176	0.476	ug/L	97
52) Ethylbenzene	9.04	91	19804	0.431	ug/L	100
53) m,p-xylene	9.16	106	6917	0.400	ug/L	95
54) o-xylene	9.57	106	6693	0.399	ug/L	93
55) Styrene	9.59	104	10858	0.385	ug/L	98
56) Isopropylbenzene	9.95	105	19662	0.427	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	3400	0.454	ug/L	91
59) 1,2,3-Trichloropropane	10.30	75	2779	0.487	ug/L	96
61) Bromoform	9.76	173	1072	0.316	ug/L #	93
62) 1,3-Dichlorobenzene	11.21	146	9581	0.481	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	9936	0.489	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	8368	0.458	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	418	0.308	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.67	180	7127	0.494	ug/L	95
68) 1,2,4-trichlorobenzene	13.29	180	6773	0.516	ug/L	96
69) Naphthalene	13.53	128	12648	0.519	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	6000	0.519	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.431 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

Instrument :

MSVOA_V

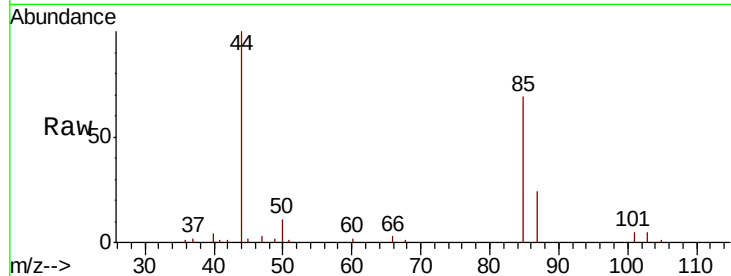
ClientSampleId :

Tot Ion: 85 Resp: 5539

Ion Ratio Lower Upper

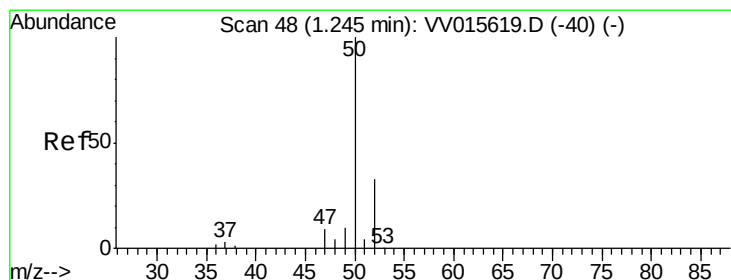
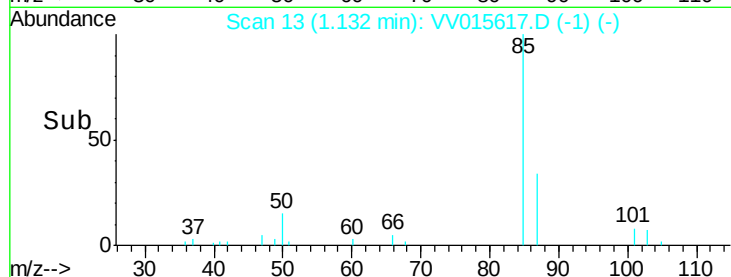
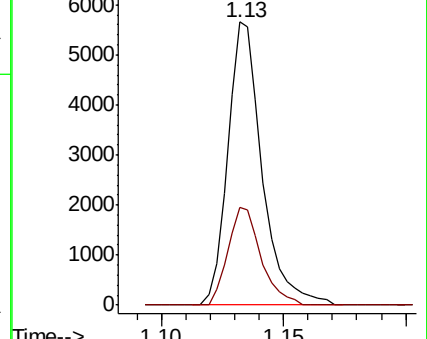
85 100

87 33.4 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: 0.395 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015617.D

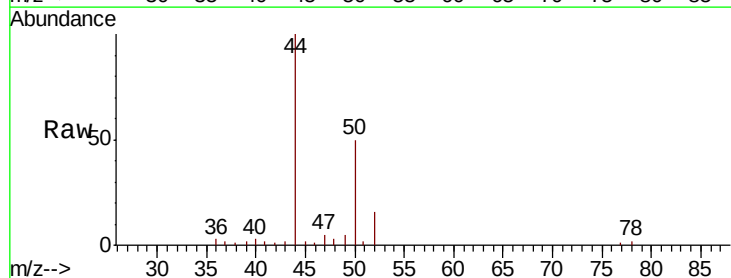
Acq: 22 Apr 2020 13:20

Tgt Ion: 50 Resp: 4759

Ion Ratio Lower Upper

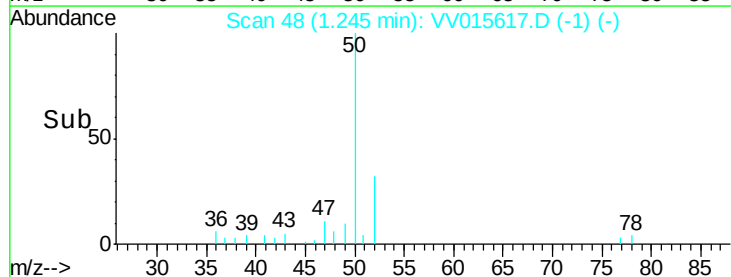
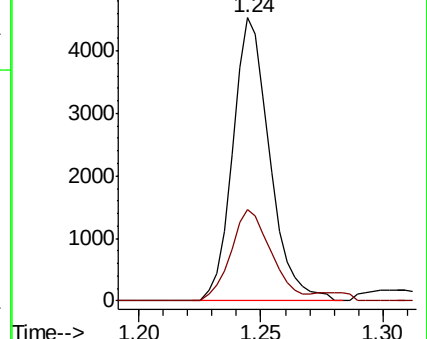
50 100

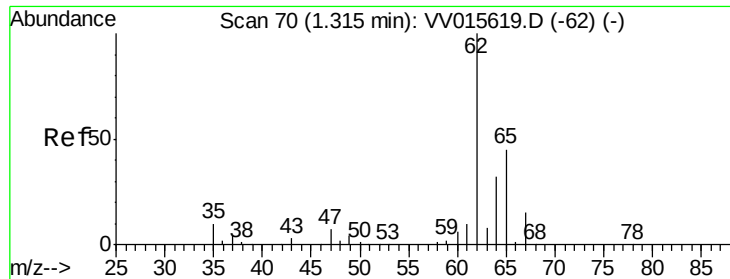
52 32.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.426 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

Instrument :

MSVOA_V

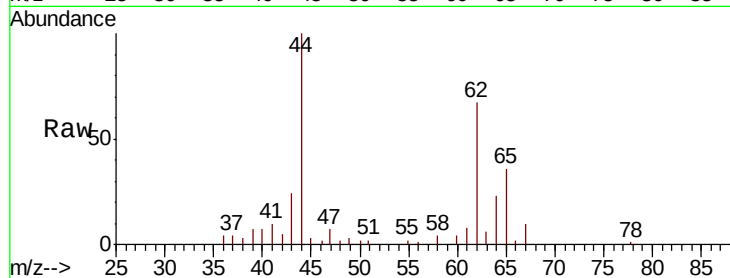
ClientSampled :

Tot Ion: 62 Resp: 5016

Ion Ratio Lower Upper

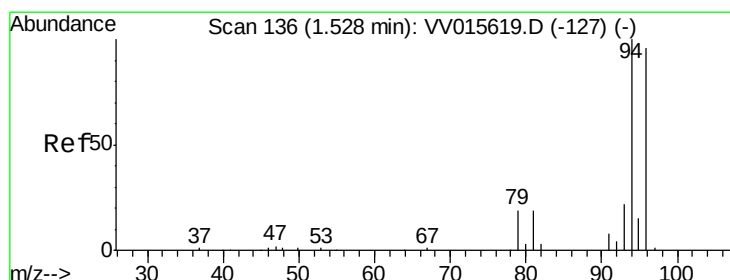
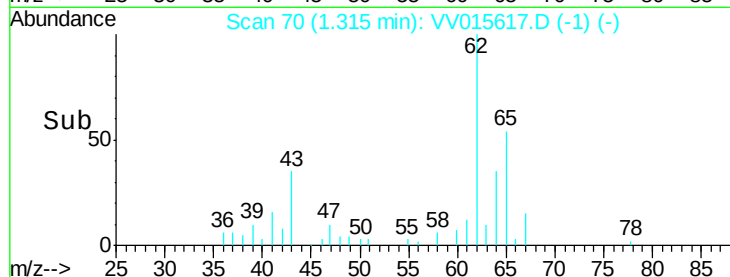
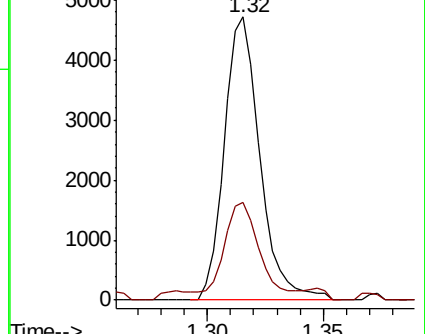
62 100

64 34.6 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.321 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015617.D

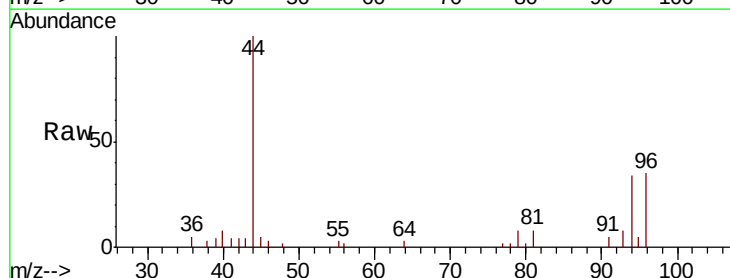
Acq: 22 Apr 2020 13:20

Tgt Ion: 94 Resp: 2002

Ion Ratio Lower Upper

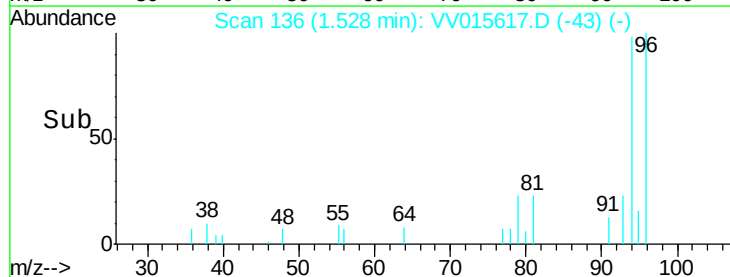
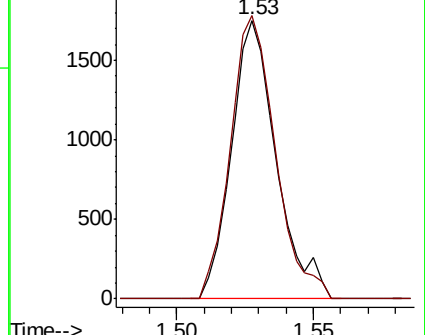
94 100

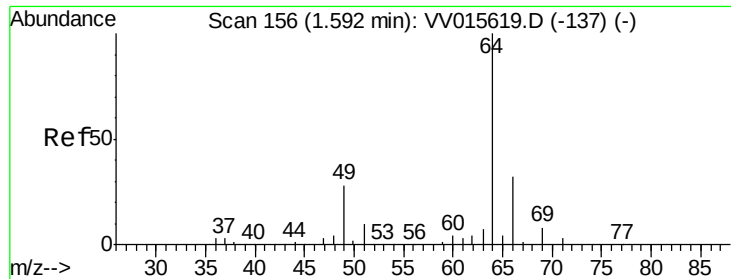
96 101.7 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

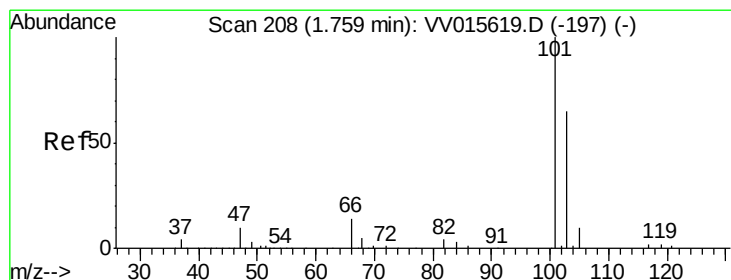
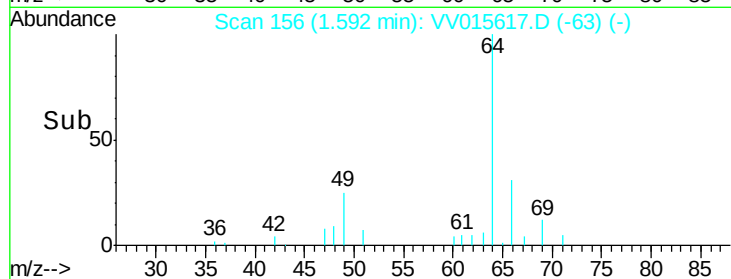
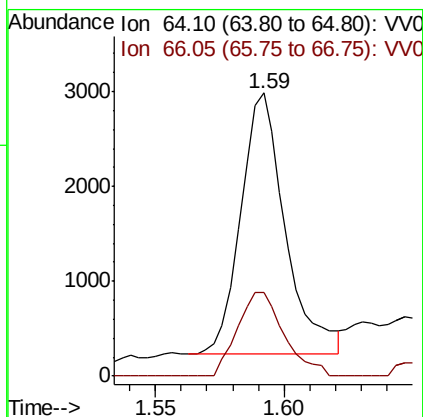
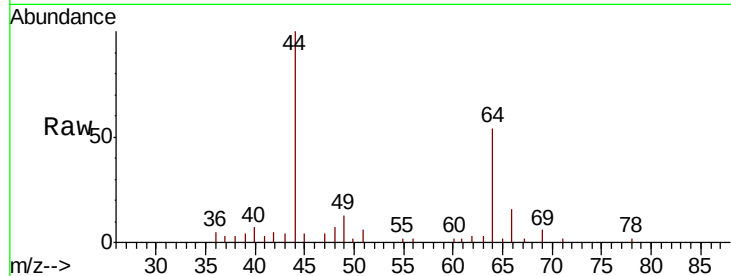




#8
Chloroethane
Concen: 0.469 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

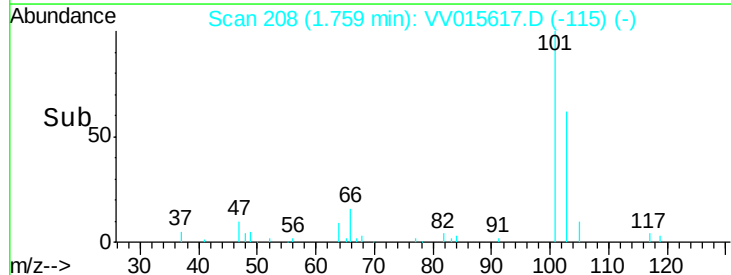
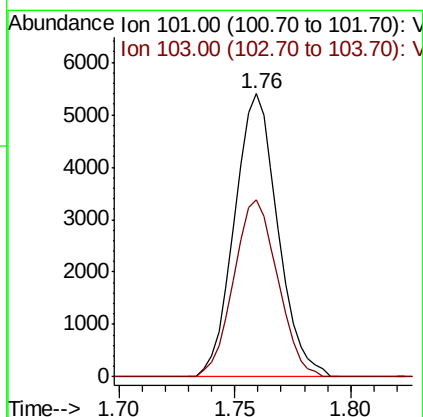
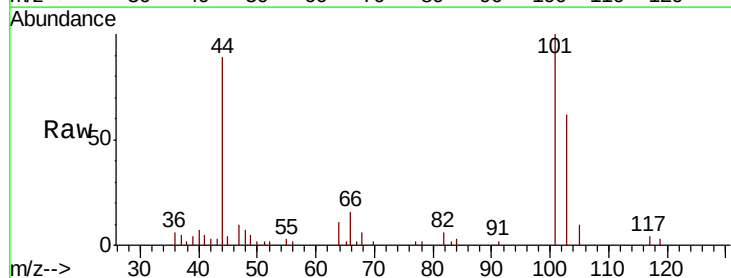
Instrument :
MSVOA_V
ClientSampleId :

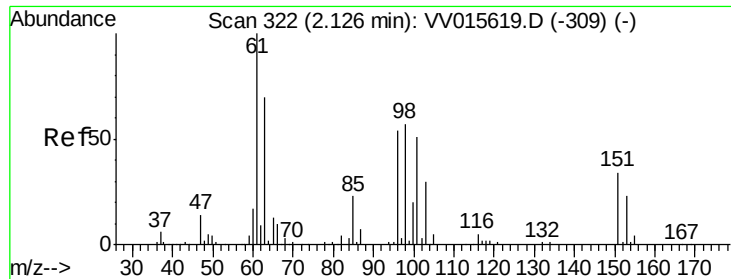
Tot Ion: 64 Resp: 3314
Ion Ratio Lower Upper
64 100
66 29.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 0.457 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Tgt Ion:101 Resp: 7006
Ion Ratio Lower Upper
101 100
103 63.5 52.3 78.5





#10

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

Concen: 0.443 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

Instrument :

MSVOA_V

ClientSampled :

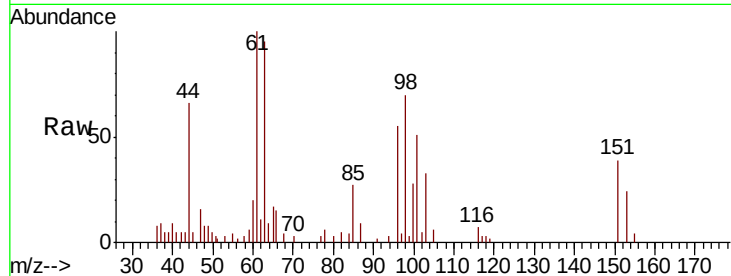
Tot Ion:101 Resp: 3863

Ion Ratio Lower Upper

101 100

85 51.1 36.1 54.1

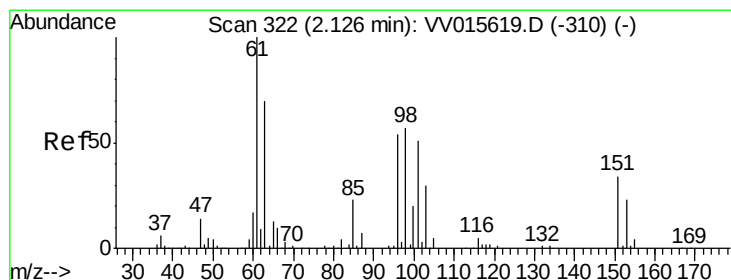
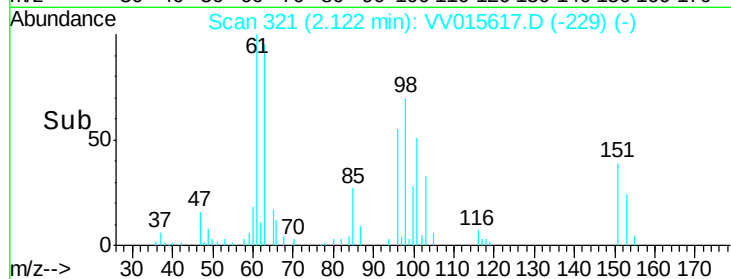
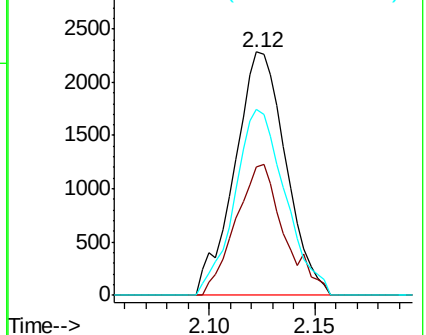
151 75.6 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.441 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

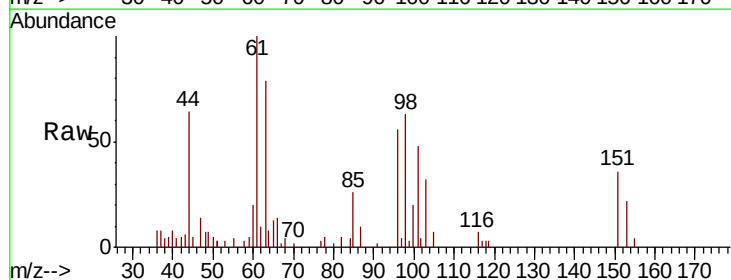
Tgt Ion: 96 Resp: 3660

Ion Ratio Lower Upper

96 100

61 179.9 130.1 241.7

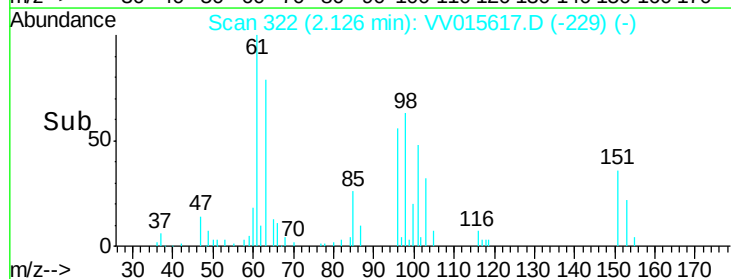
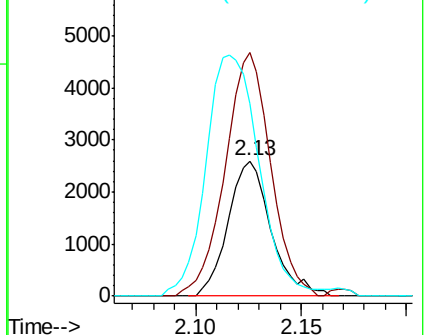
63 142.2 91.4 169.8

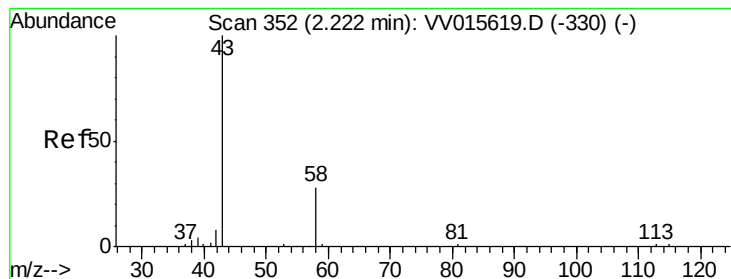


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.593 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.01 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

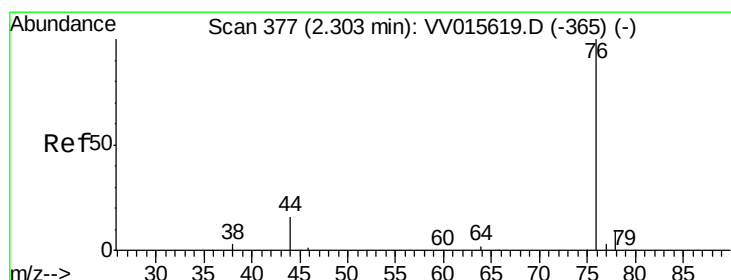
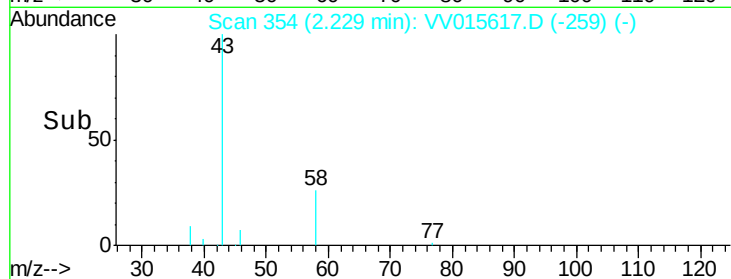
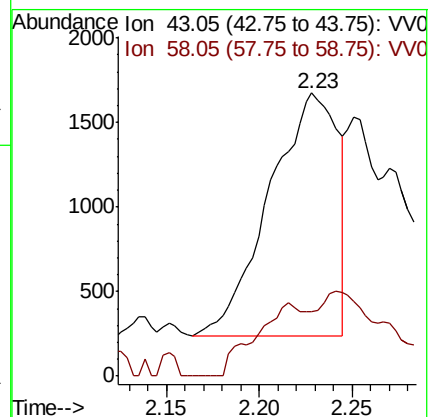
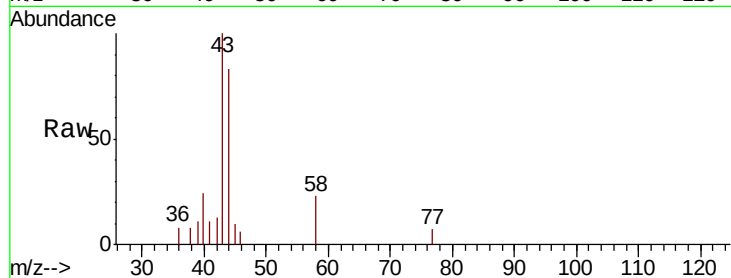
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3667

Ion Ratio Lower Upper

43 100

58 23.6 0.0 57.6



#14

Carbon disulfide

Concen: 0.370 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015617.D

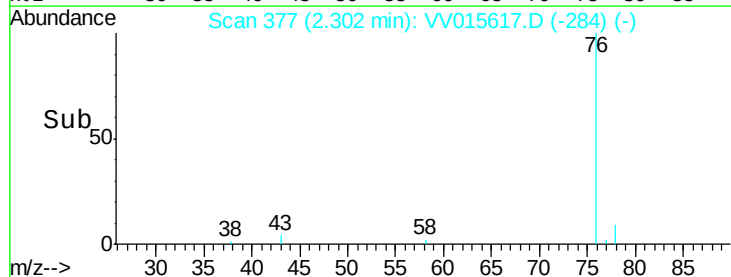
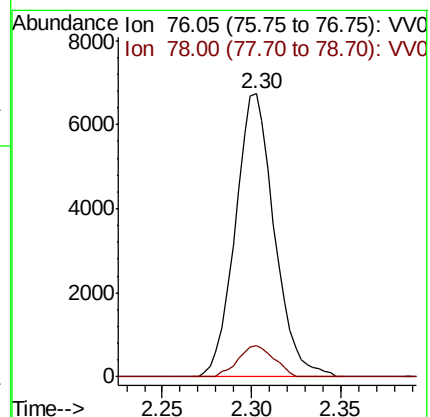
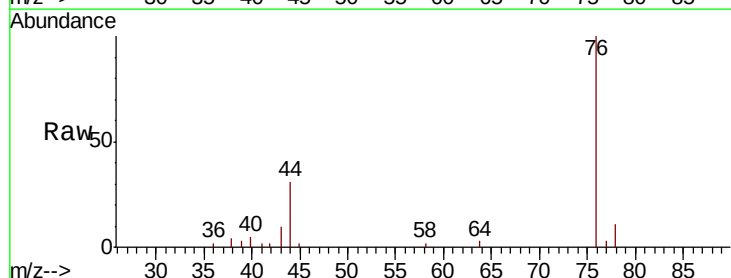
Acq: 22 Apr 2020 13:20

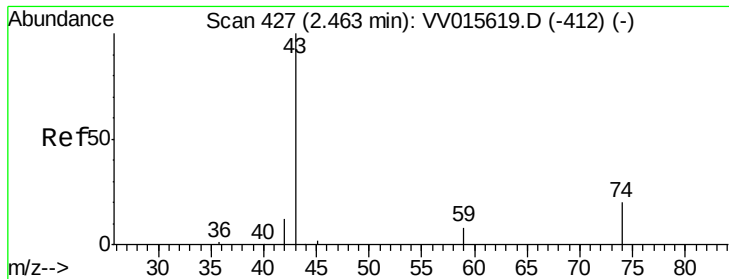
Tgt Ion: 76 Resp: 10232

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.0

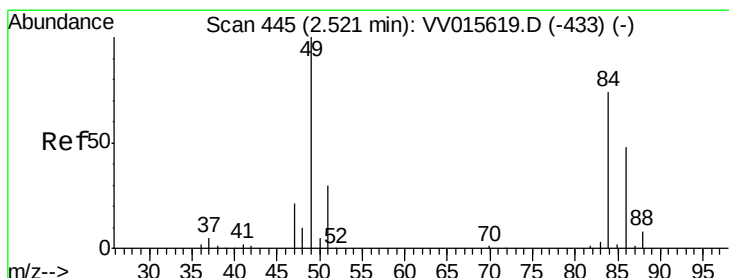
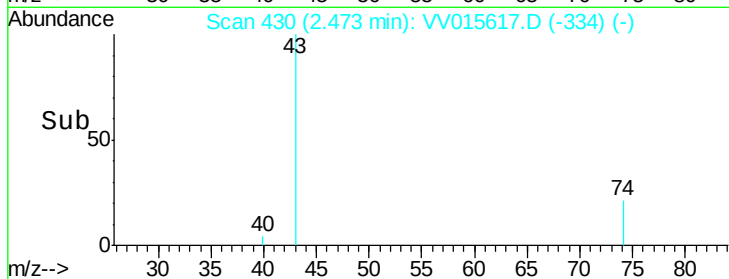
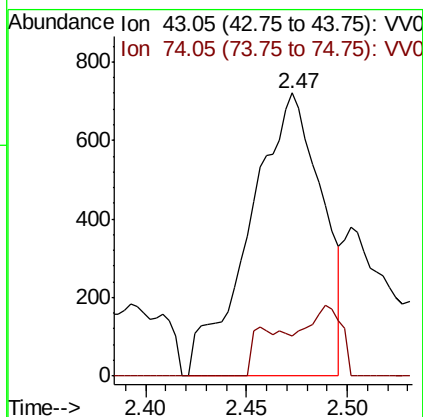
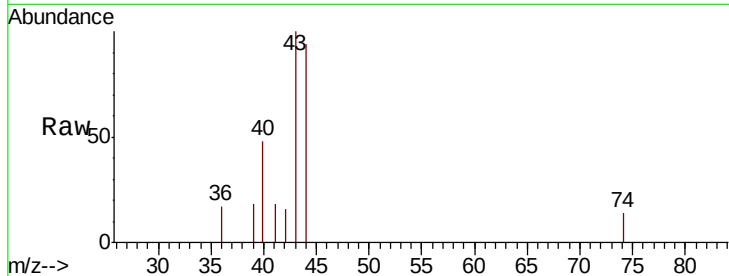




#15
Methvl Acetate
Concen: 0.428 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

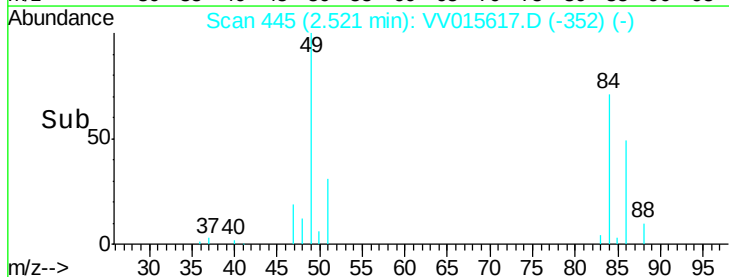
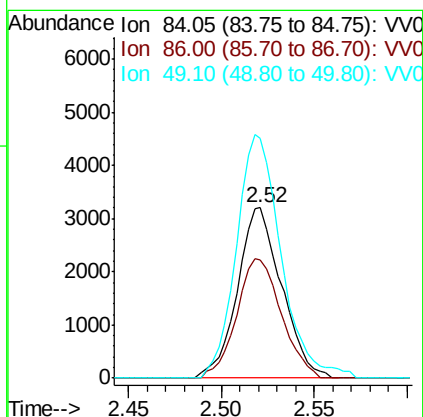
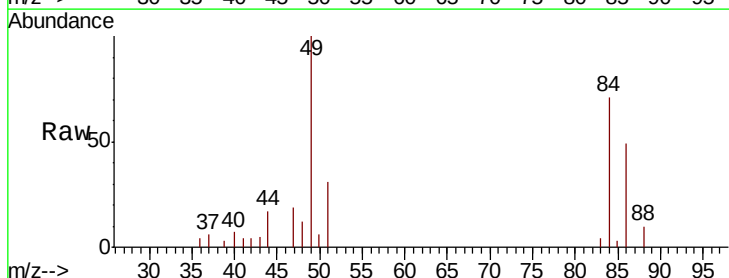
Instrument :
MSVOA_V
ClientSampled :

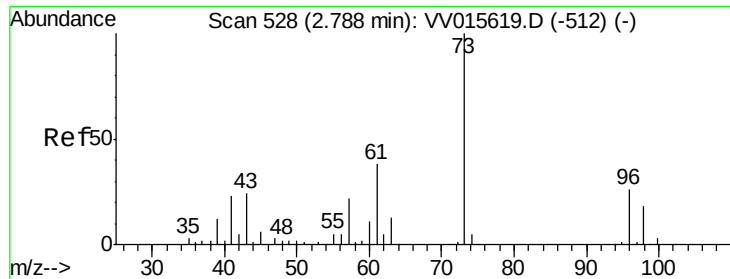
Tot Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
74 8.5 16.3 24.5#



#16
Methylene chloride
Concen: 0.545 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Tgt Ion: 84 Resp: 5333
Ion Ratio Lower Upper
84 100
86 69.6 45.1 83.7
49 140.9 94.4 175.4

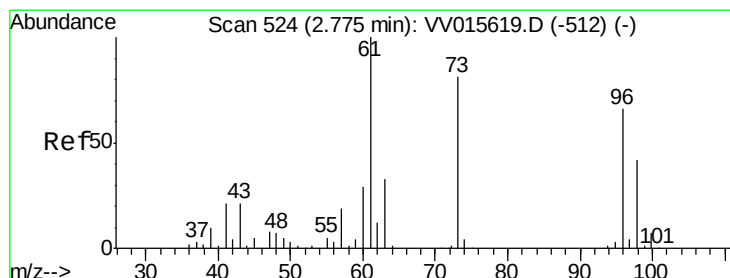
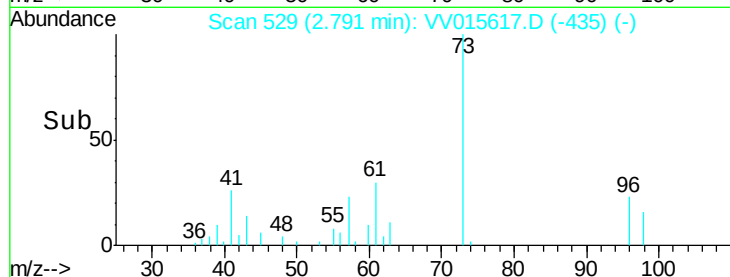
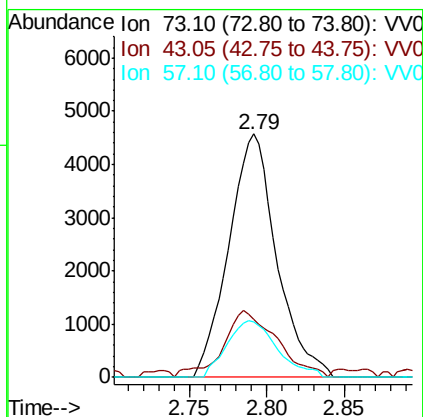
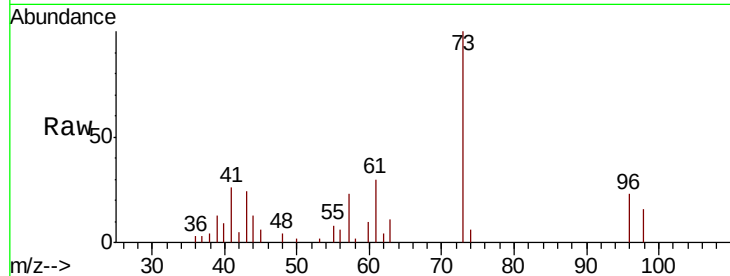




#17
Methyl tert-butyl Ether
Concen: 0.439 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

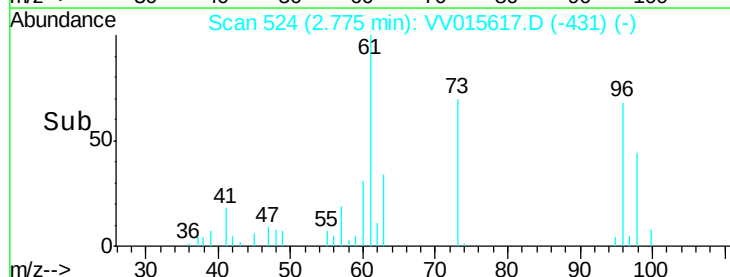
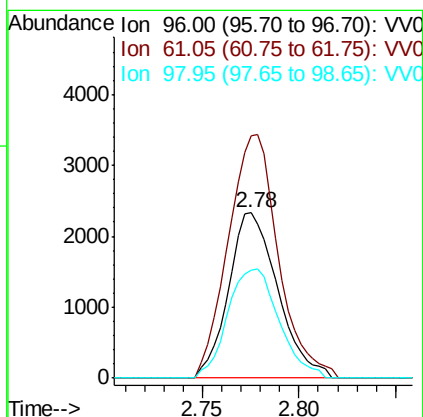
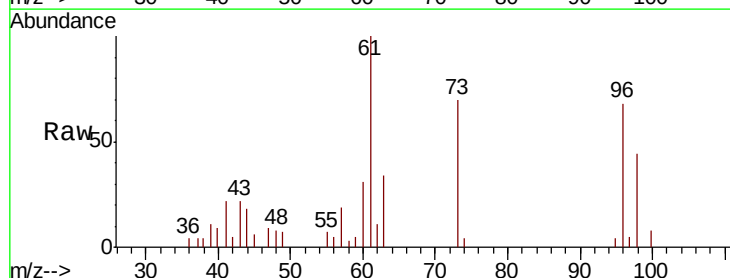
Instrument :
MSVOA_V
ClientSampled :

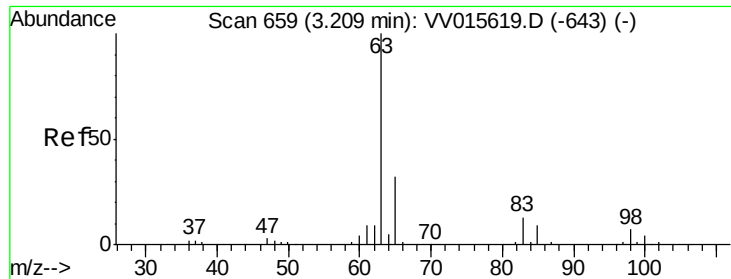
Tot Ion: 73 Resp: 9828
Ion Ratio Lower Upper
73 100
43 30.6 20.1 30.1#
57 24.4 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 0.444 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Tgt Ion: 96 Resp: 4119
Ion Ratio Lower Upper
96 100
61 147.1 105.5 195.9
98 65.3 44.2 82.0



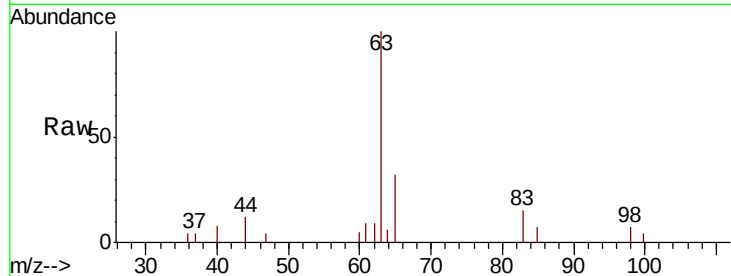


#19
 1,1-Dichloroethane
 Concen: 0.450 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

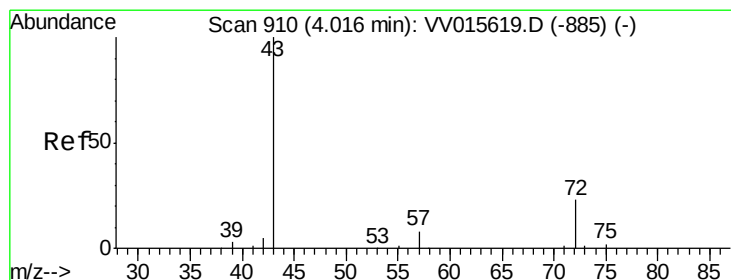
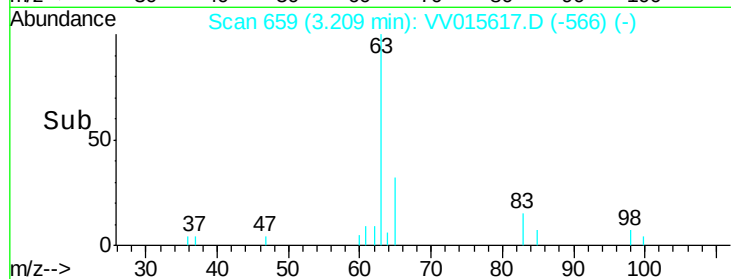
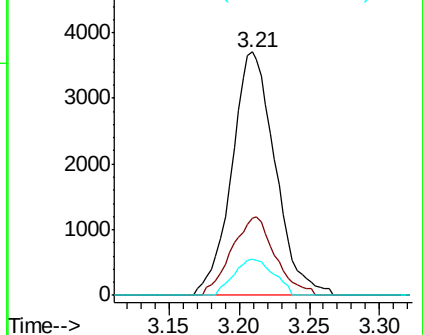
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 7966

Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.3	41.3
83	14.8	9.3	17.3



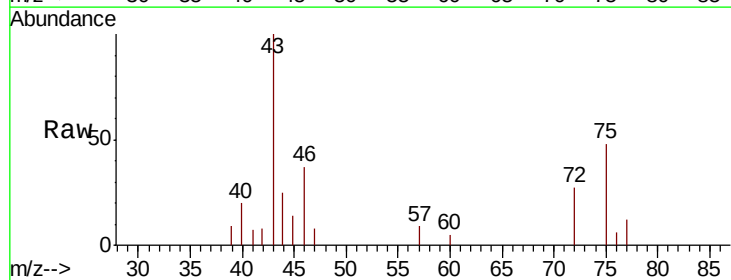
Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0



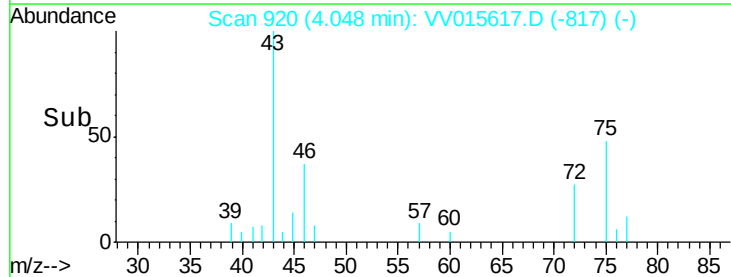
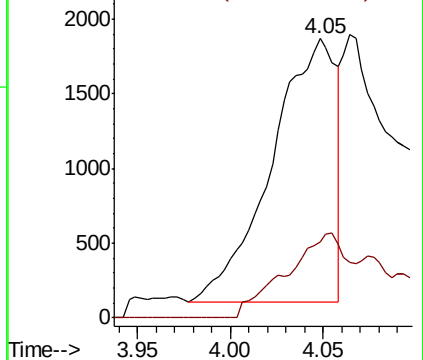
#21
 2-Butanone
 Concen: 1.848 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.03 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

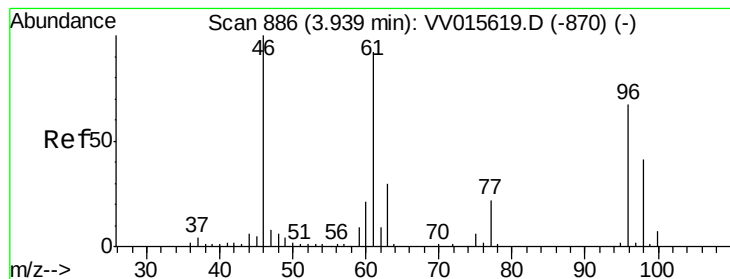
Tgt Ion: 43 Resp: 4241

Ion	Ratio	Lower	Upper
43	100		
72	31.1	12.3	36.9



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



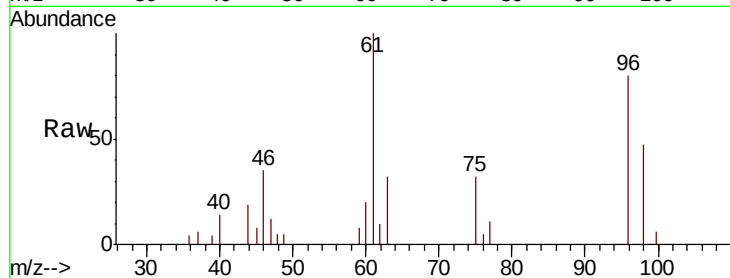


#22

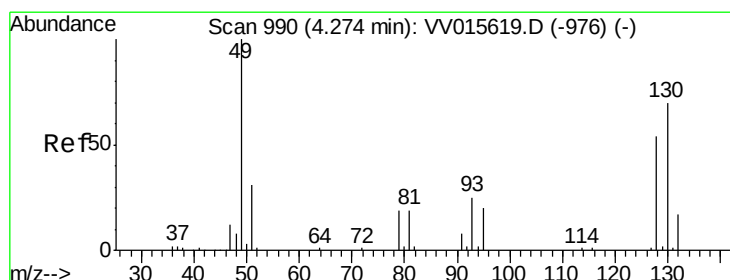
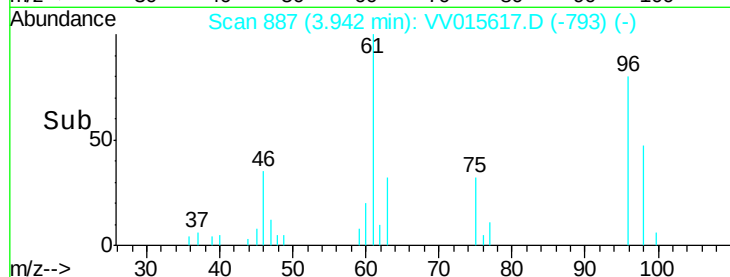
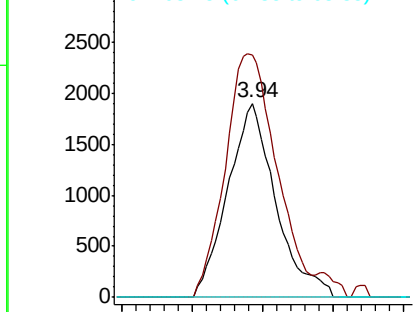
cis-1,2-Dichloroethene
Concen: 0.464 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 4512
Ion Ratio Lower Upper
96 100
61 125.2 96.4 179.0
68 0.0 0.0 0.0



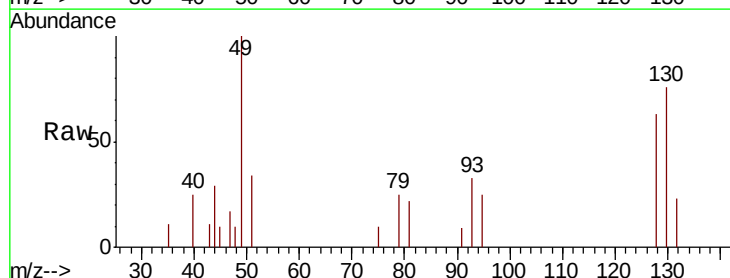
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



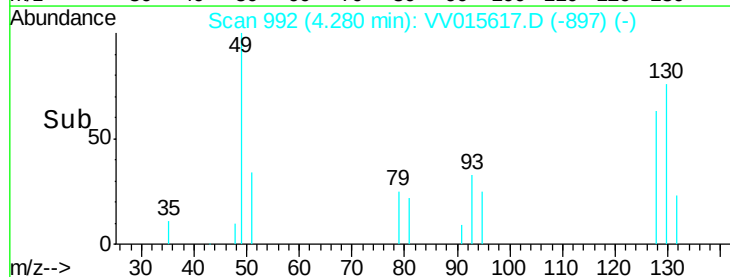
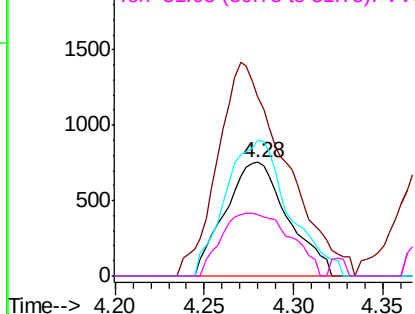
#23

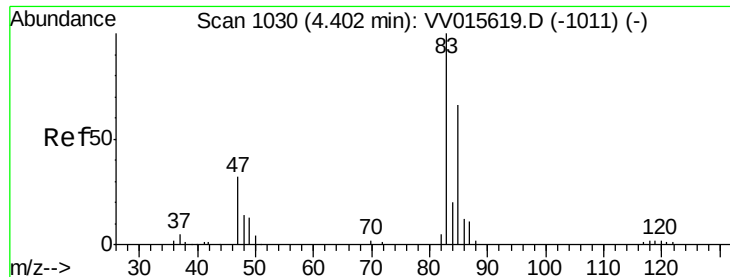
Bromochloromethane
Concen: 0.457 ug/L
RT: 4.28 min Scan# 992
Delta R.T. 0.01 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Tgt Ion: 128 Resp: 1846
Ion Ratio Lower Upper
128 100
49 158.0 130.8 242.8
130 119.3 91.1 169.3
51 54.1 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

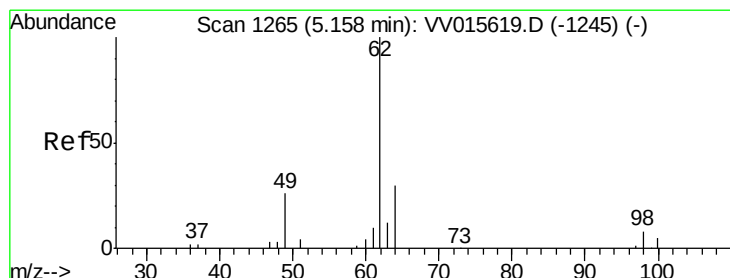
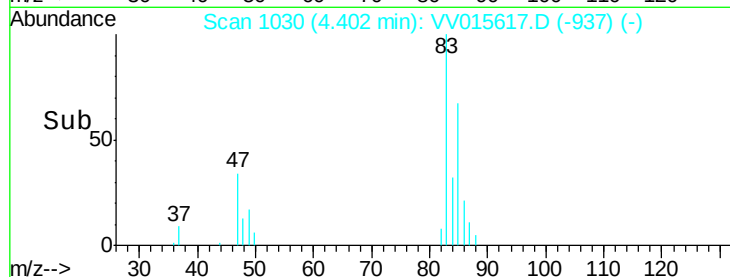
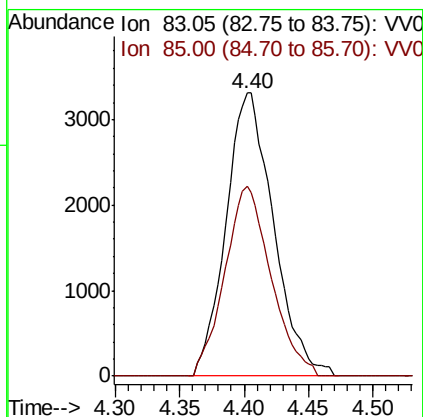
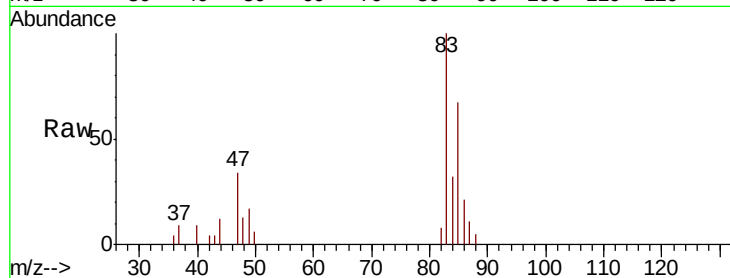




#25
Chloroform
Concen: 0.466 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

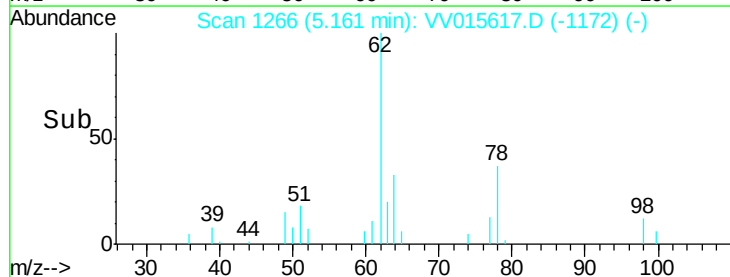
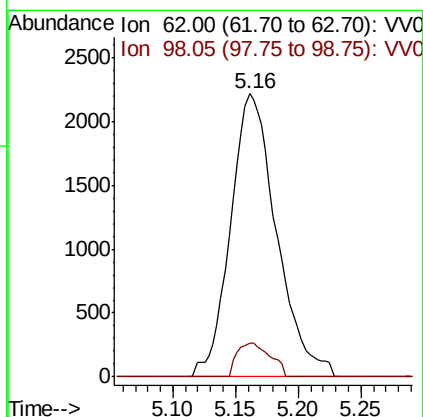
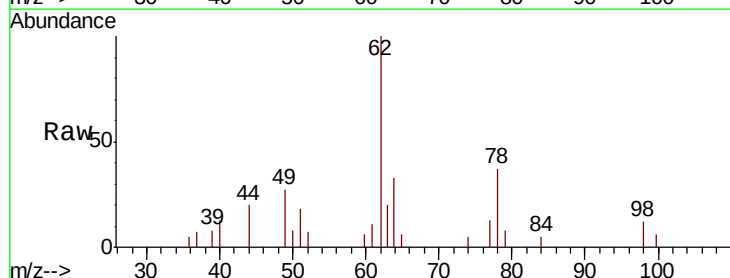
Instrument :
MSVOA_V
ClientSampleId :

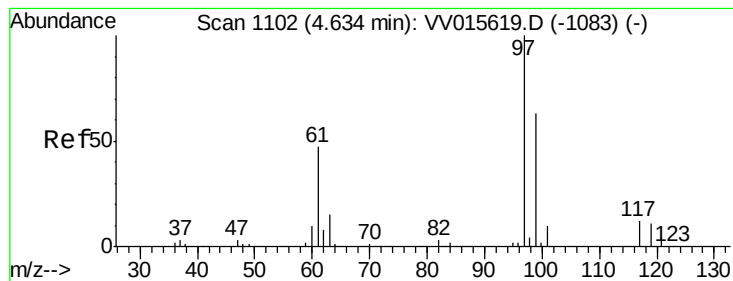
Tot Ion: 83 Resp: 8491
Ion Ratio Lower Upper
83 100
85 66.9 46.1 85.5



#27
1,2-Dichloroethane
Concen: 0.480 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Tgt Ion: 62 Resp: 5654
Ion Ratio Lower Upper
62 100
98 11.9 6.3 9.5#





#29

1,1,1-Trichloroethane

Concen: 0.450 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

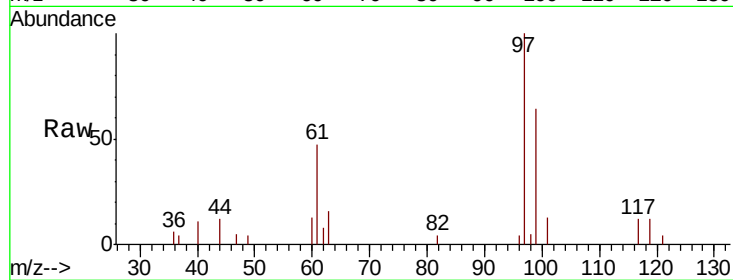
Tot Ion: 97 Resp: 7261

Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

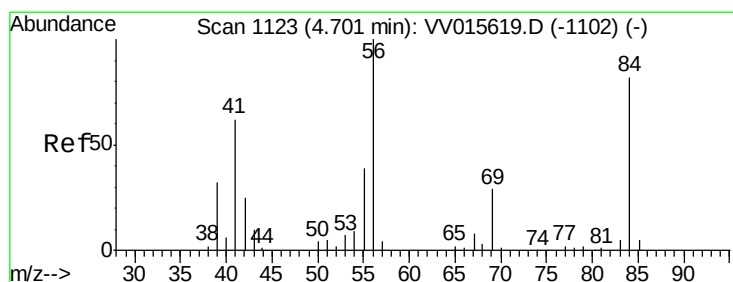
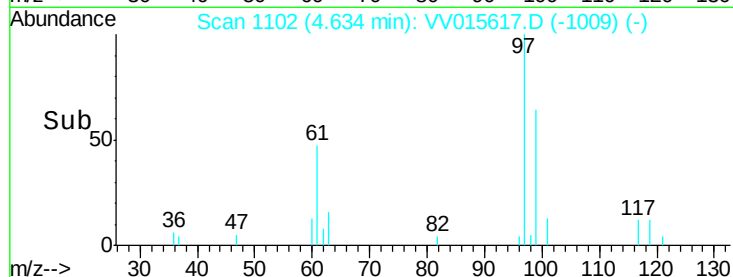
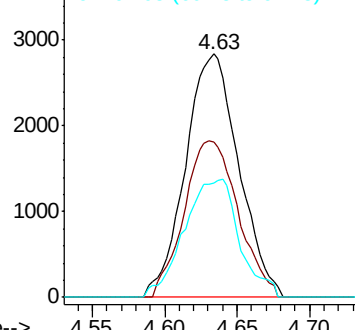
61 50.1 38.6 57.8



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

Cyclohexane

Concen: 0.409 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

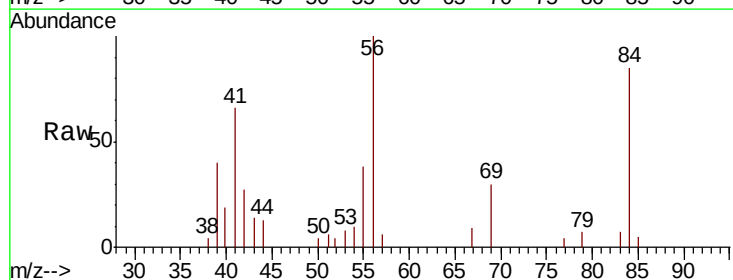
Tgt Ion: 56 Resp: 6849

Ion Ratio Lower Upper

56 100

69 29.8 23.9 35.9

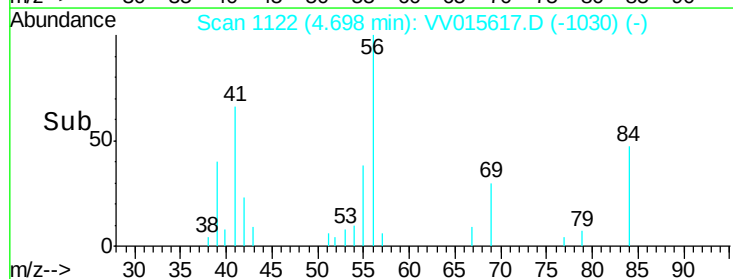
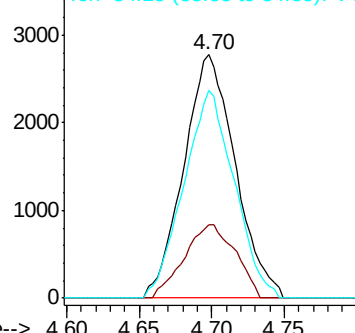
84 83.4 66.9 100.3

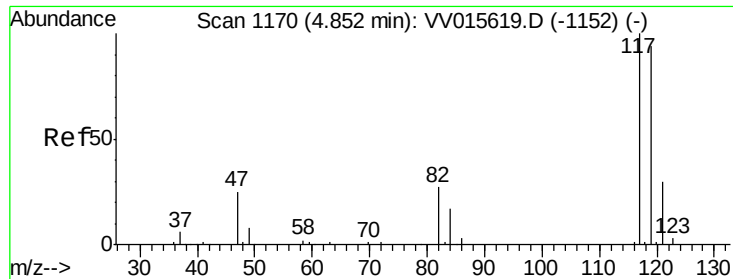


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

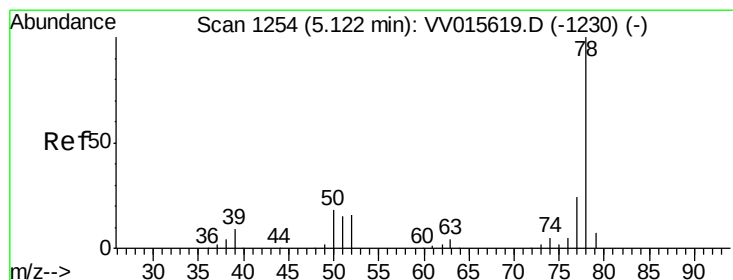
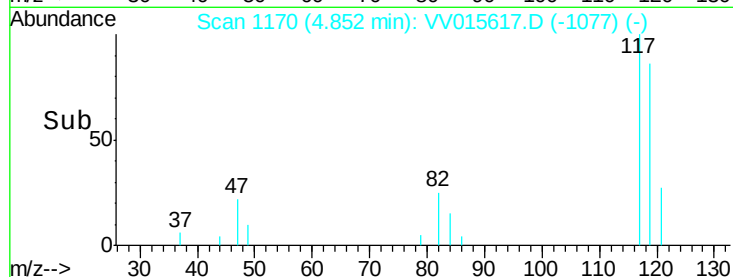
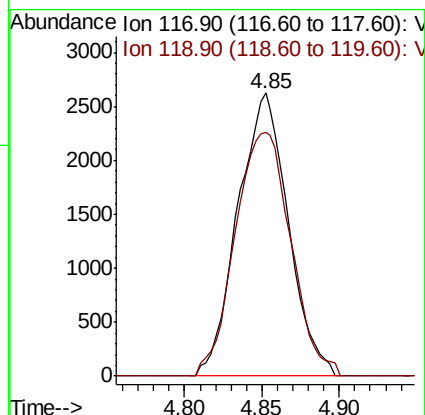
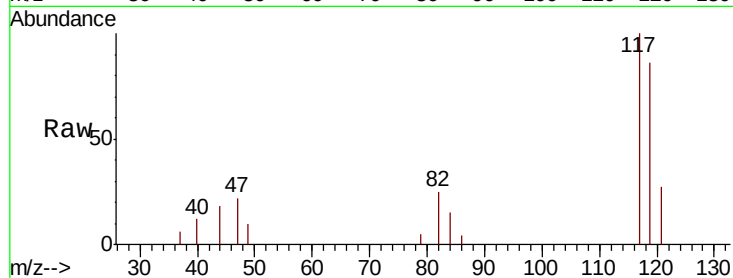




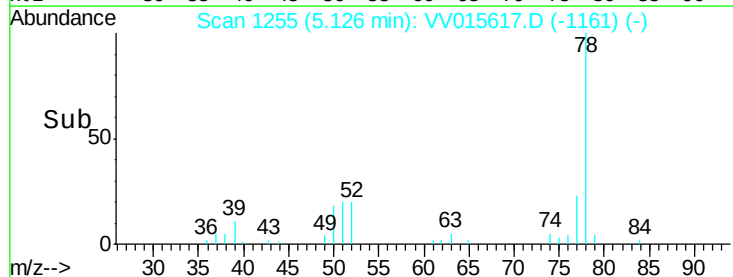
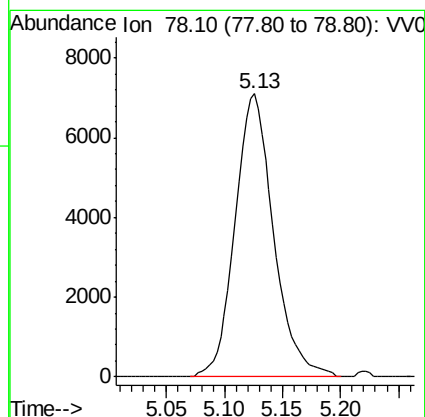
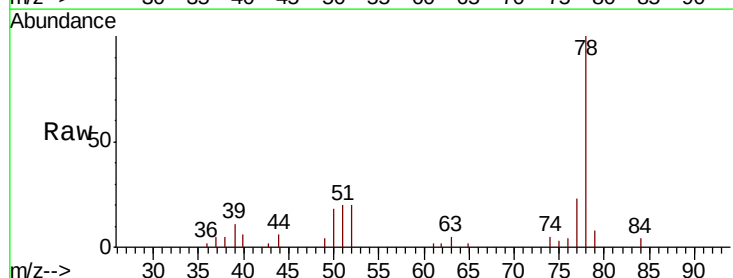
#31
Carbon tetrachloride
Concen: 0.429 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

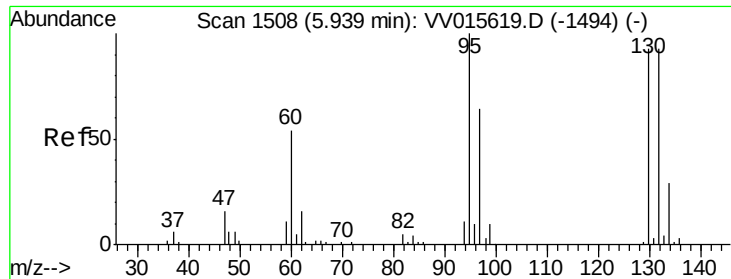
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 5948
Ion Ratio Lower Upper
117 100
119 94.8 75.6 113.4



#33
Benzene
Concen: 0.443 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20
Tgt Ion: 78 Resp: 16377

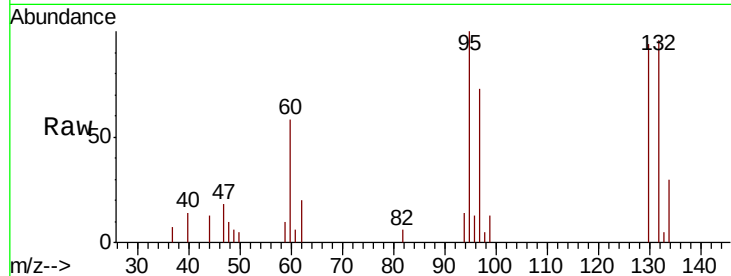




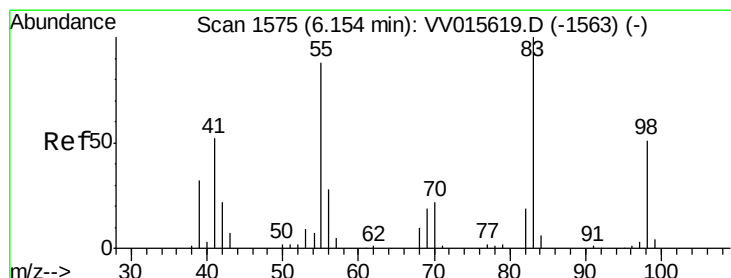
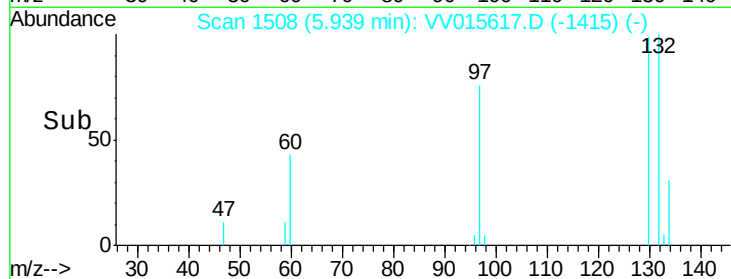
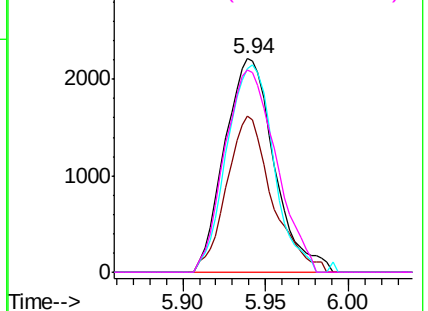
#34
 Trichloroethene
 Concen: 0.461 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 4612
 Ion Ratio Lower Upper
 95 100
 97 72.9 44.7 82.9
 132 95.5 65.2 121.0
 130 94.4 65.0 120.6

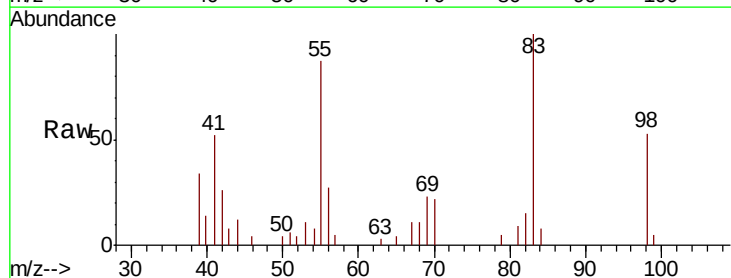


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

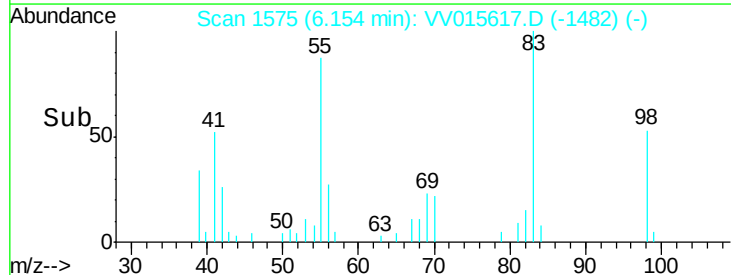
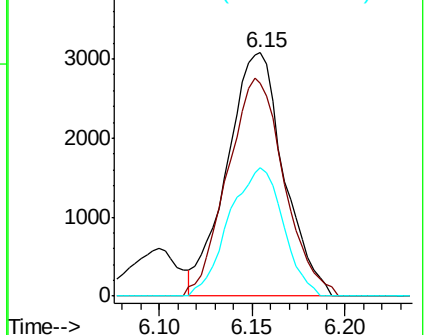


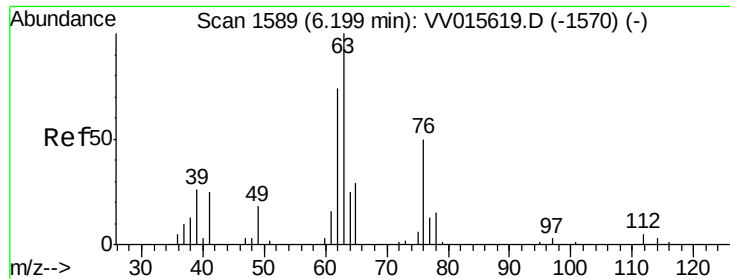
#35
 Methylcyclohexane
 Concen: 0.397 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

Tgt Ion: 83 Resp: 6535
 Ion Ratio Lower Upper
 83 100
 55 89.6 66.6 99.8
 98 50.3 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

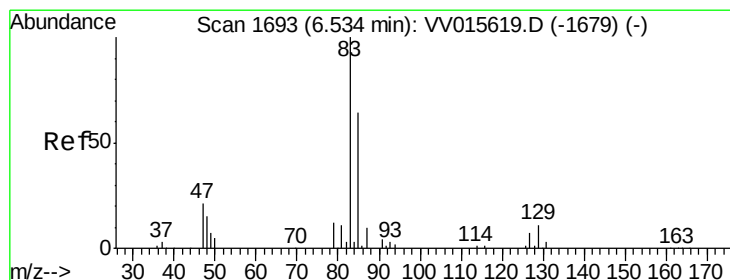
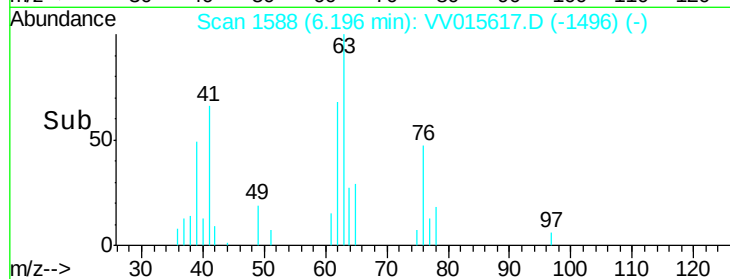
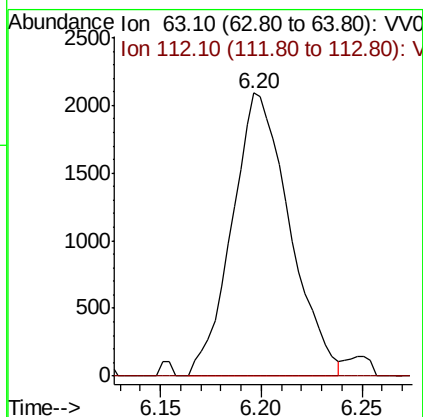
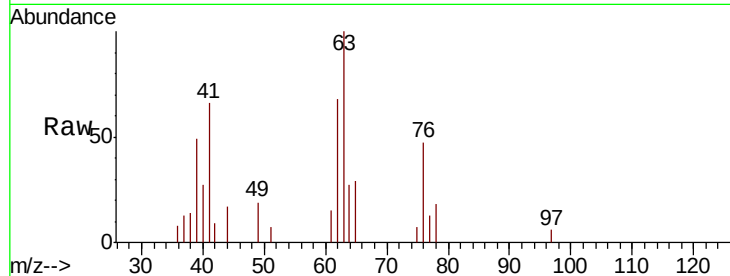




#37
 1,2-Dichloropropane
 Concen: 0.454 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

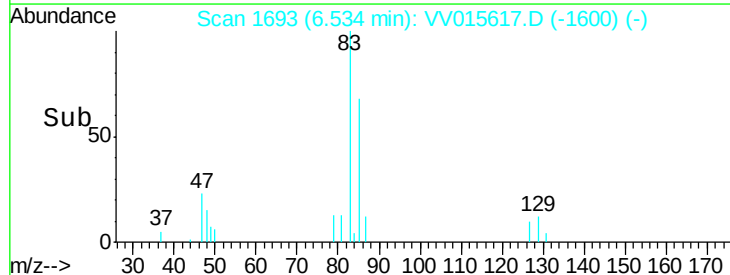
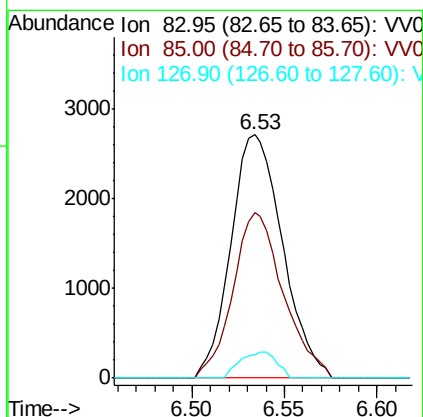
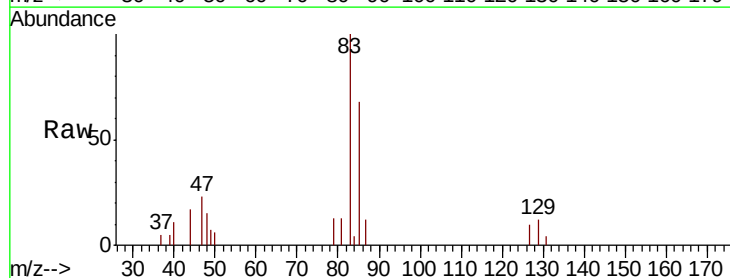
Instrument :
 MSVOA_V
 ClientSampled :

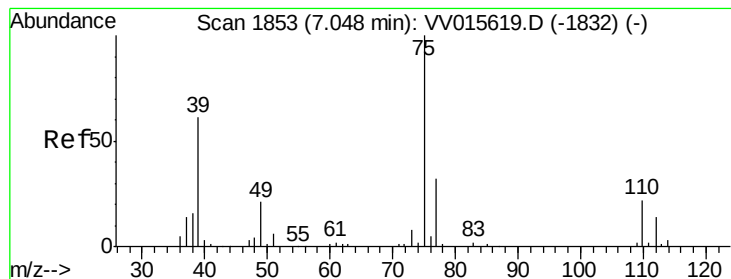
Tot Ion: 63 Resp: 4175
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 0.434 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

Tgt Ion: 83 Resp: 5255
 Ion Ratio Lower Upper
 83 100
 85 68.1 44.7 83.1
 127 9.5 5.8 8.6#



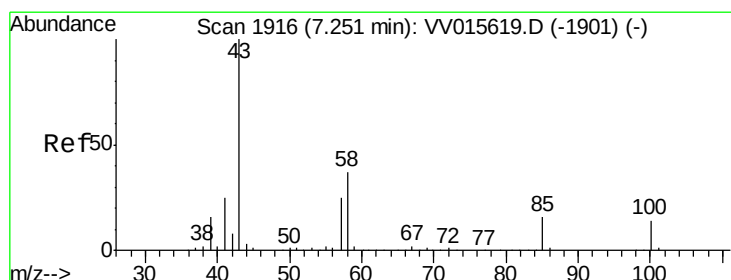
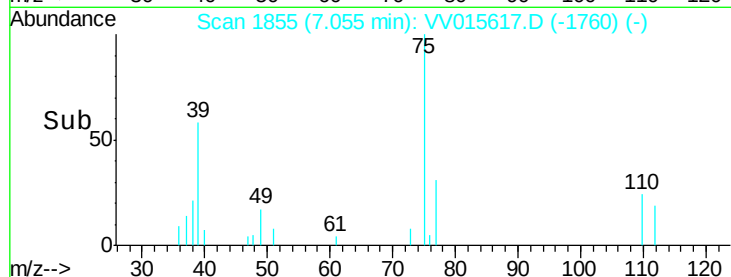
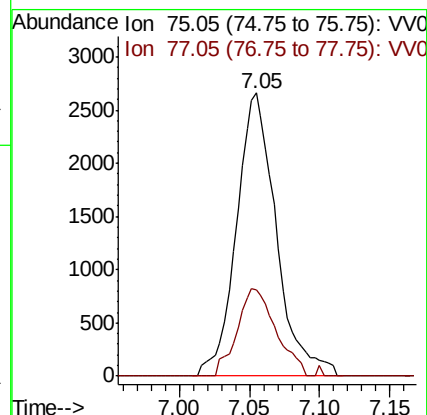
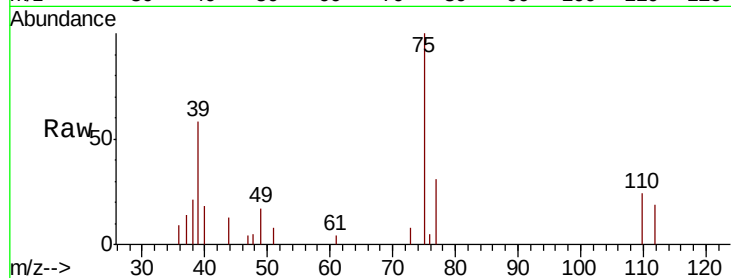


#39

cis-1,3-Dichloropropene
 Concen: 0.381 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

Instrument :
 MSVOA_V
 ClientSampled :

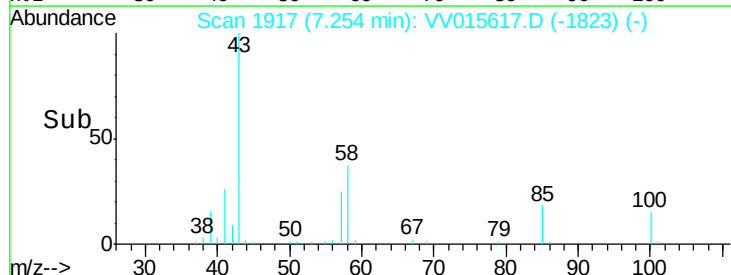
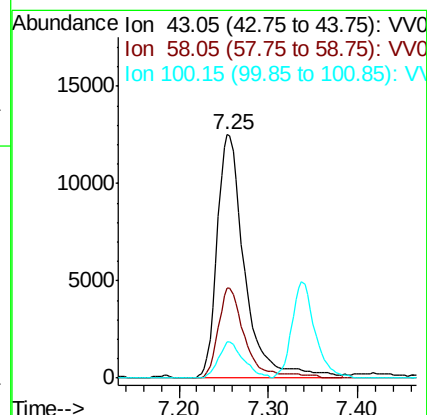
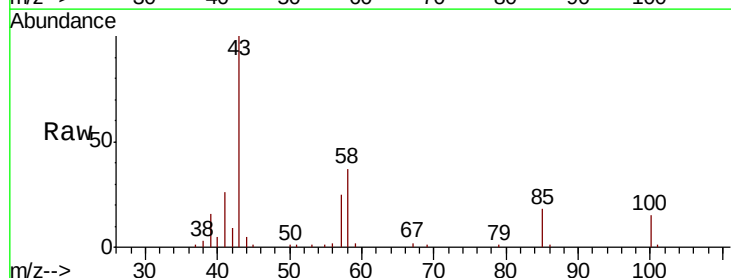
Tot Ion: 75 Resp: 5262
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.3 41.5

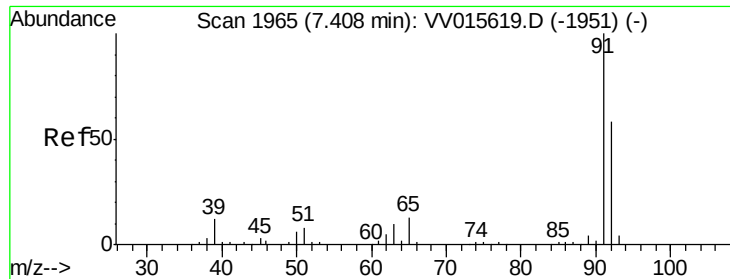


#40

4-Methyl-2-pentanone
 Concen: 4.464 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

Tgt Ion: 43 Resp: 26930
 Ion Ratio Lower Upper
 43 100
 58 34.2 29.2 43.8
 100 13.3 11.4 17.2





#42

Toluene

Concen: 0.432 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

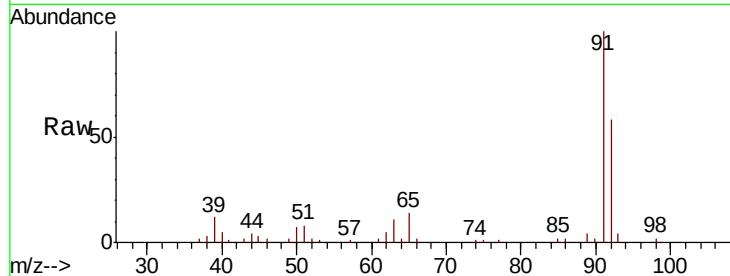
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 17284

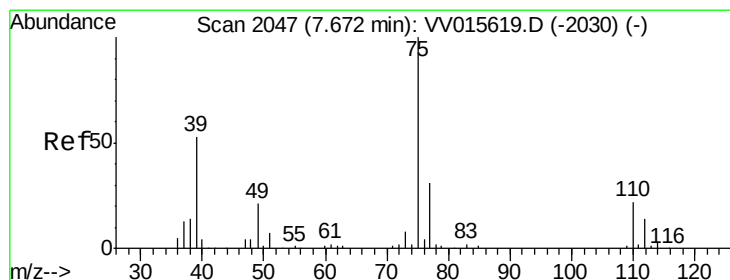
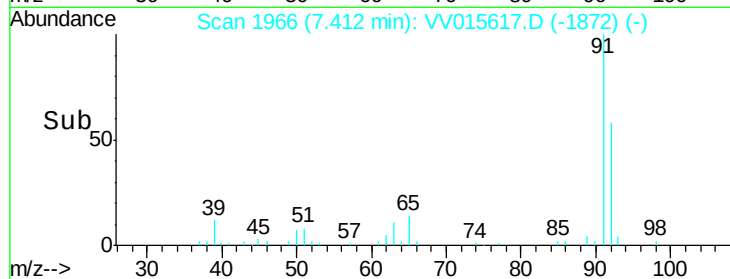
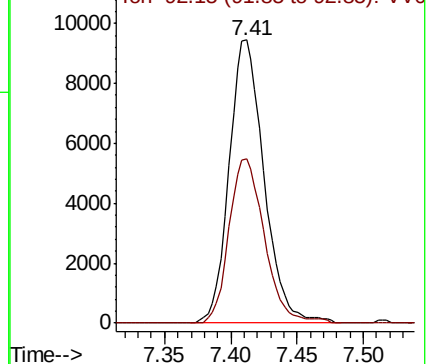
Ion Ratio Lower Upper

91 100

92 58.2 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: 0.367 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015617.D

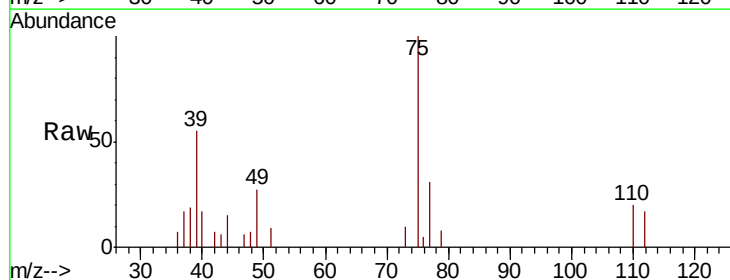
Acq: 22 Apr 2020 13:20

Tgt Ion: 75 Resp: 4312

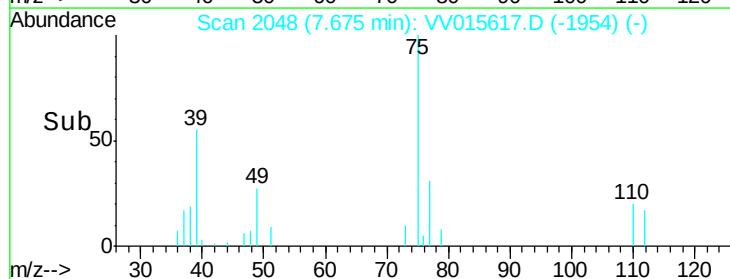
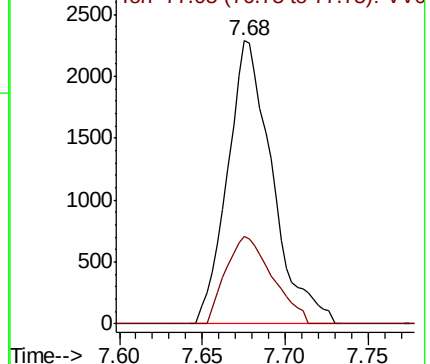
Ion Ratio Lower Upper

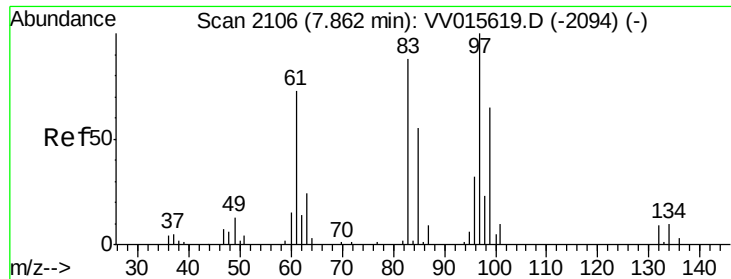
75 100

77 30.8 21.8 40.6



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

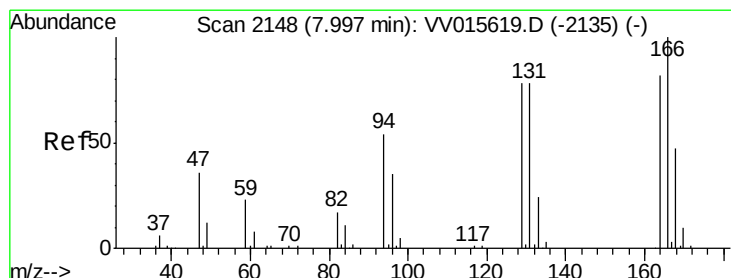
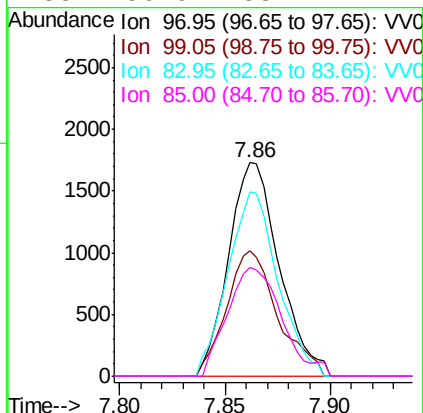
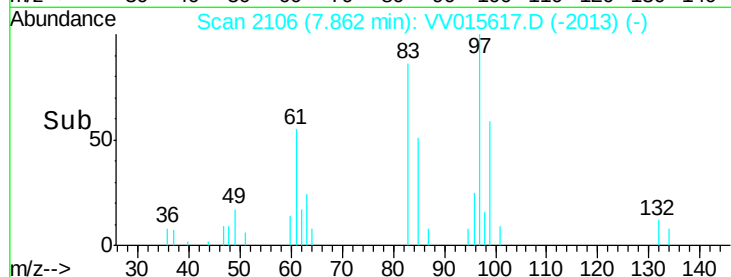
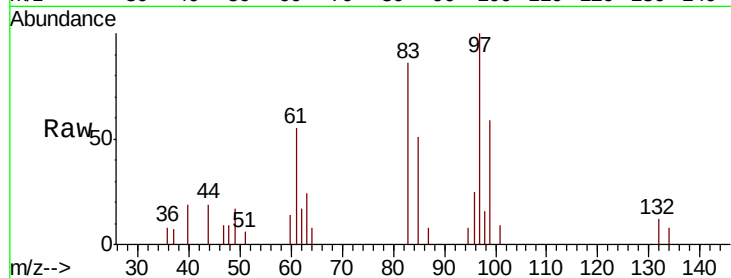




#45
 1,1,2-Trichloroethane
 Concen: 0.464 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

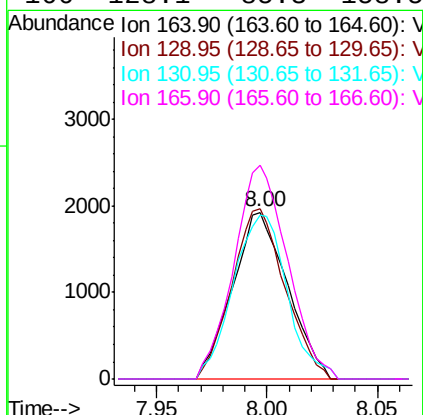
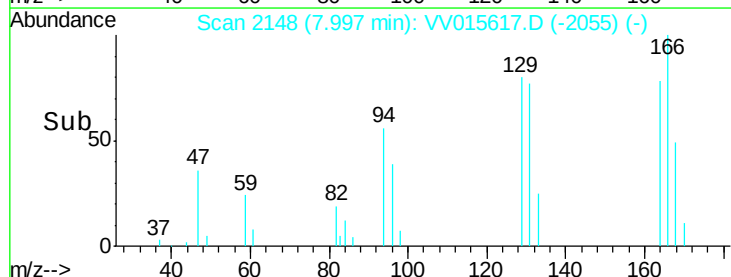
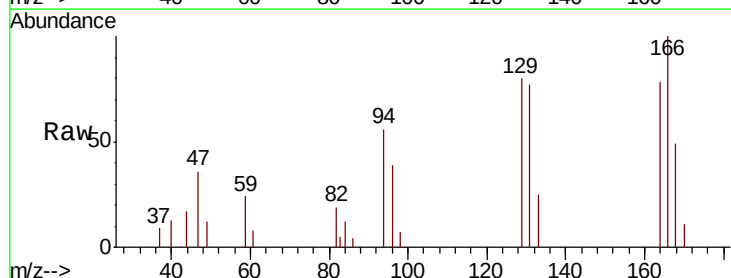
Instrument :
 MSVOA_V
 ClientSampled :

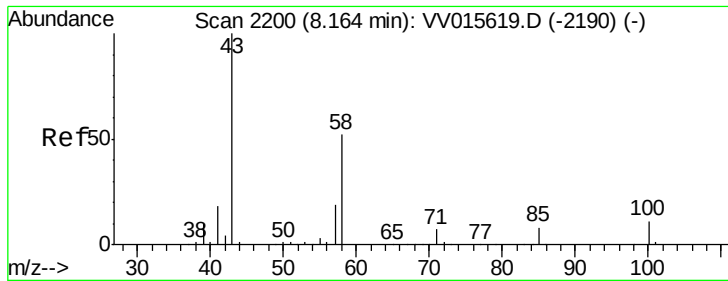
Tot Ion:	97	Resp:	2890
Ion	Ratio	Lower	Upper
97	100		
99	58.8	45.4	84.4
83	86.3	61.3	113.9
85	50.9	38.4	71.4



#47
 Tetrachloroethene
 Concen: 0.453 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

Tgt Ion:	164	Resp:	3330
Ion	Ratio	Lower	Upper
164	100		
129	102.1	66.7	123.9
131	98.3	66.6	123.6
166	128.1	85.3	158.5

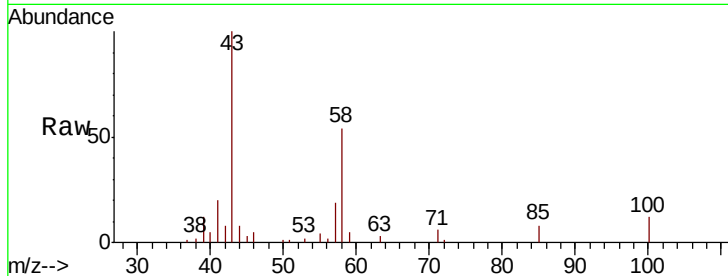




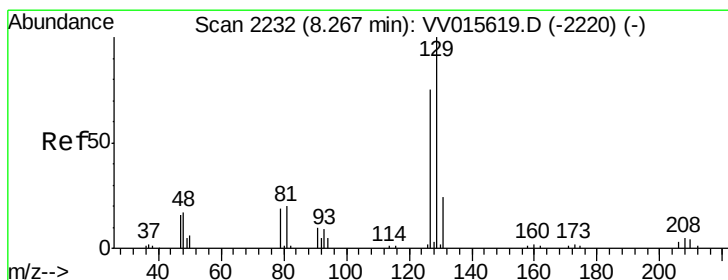
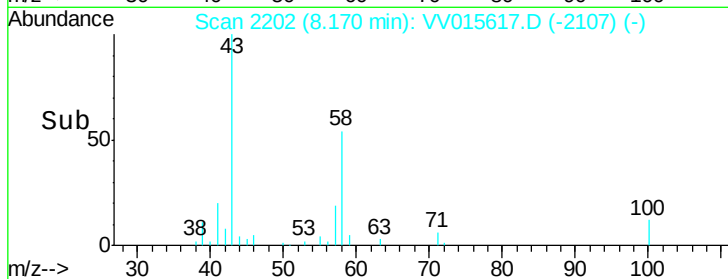
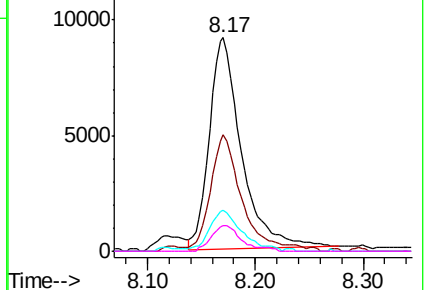
#48
2-Hexanone
Concen: 4.456 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 18874
Ion Ratio Lower Upper
43 100
58 49.7 41.1 61.7
57 19.8 15.0 22.4
100 10.8 9.0 13.4

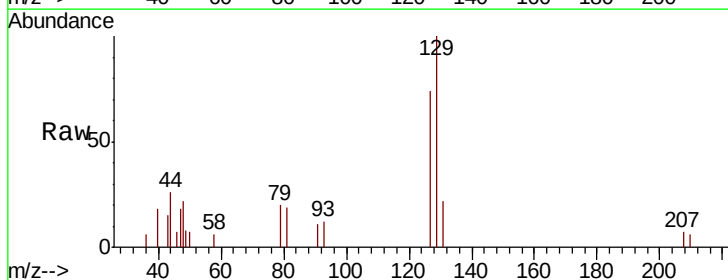


Abundance Ion 43.05 (42.75 to 43.75): VV015617.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015617.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015617.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015617.D (-2107) (-)

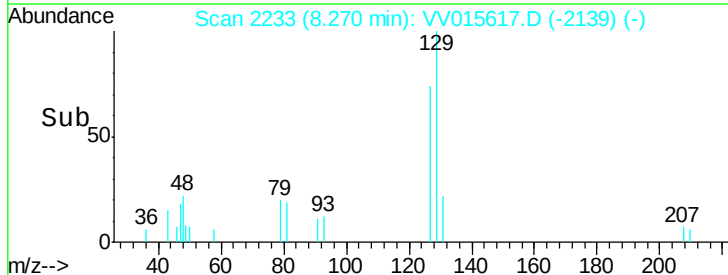
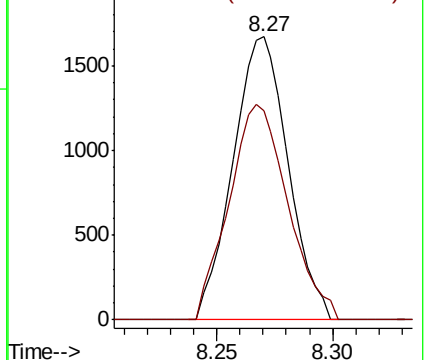


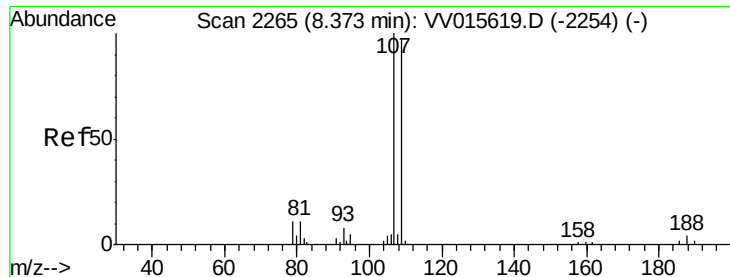
#49
Dibromochloromethane
Concen: 0.383 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Tgt Ion: 129 Resp: 2762
Ion Ratio Lower Upper
129 100
127 74.0 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015617.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015617.D (-2139) (-)

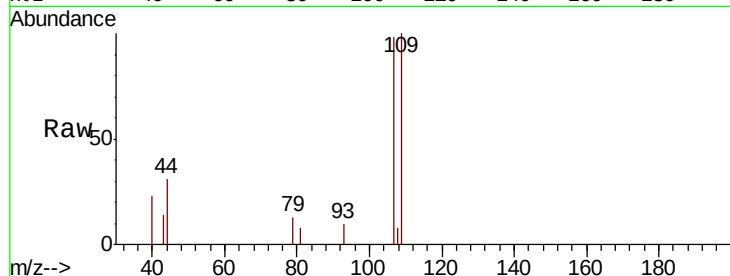




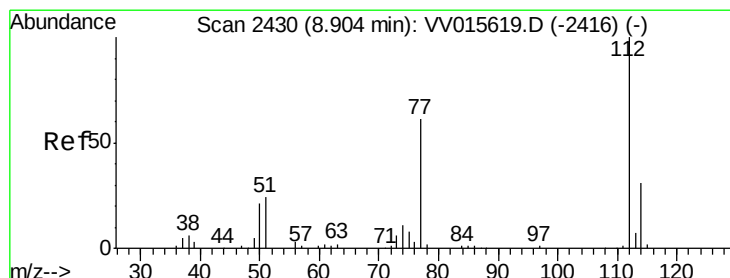
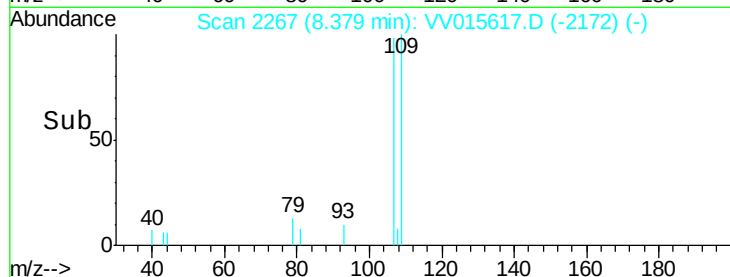
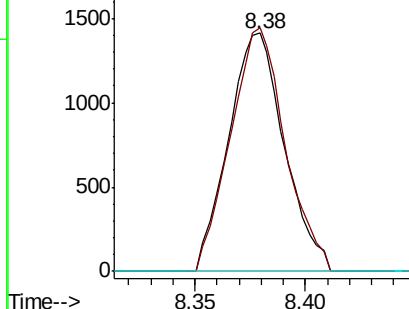
#50
1,2-Dibromoethane
Concen: 0.419 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 2481
Ion Ratio Lower Upper
107 100
109 102.1 68.1 126.5
188 0.0 3.2 4.8#

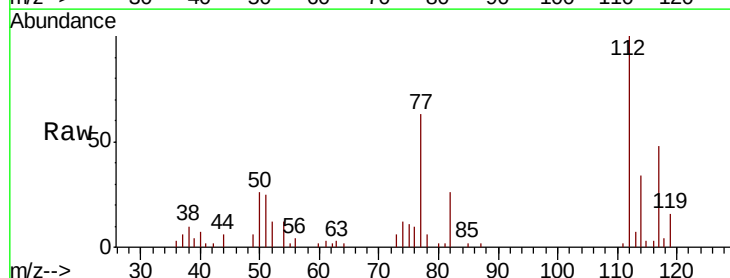


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

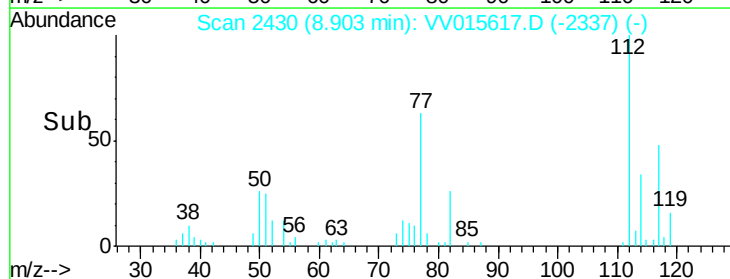
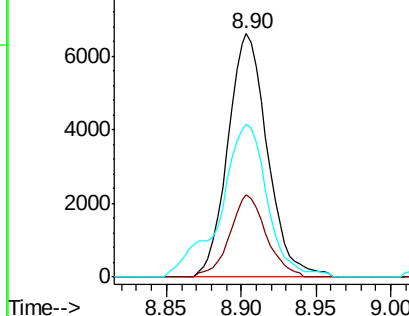


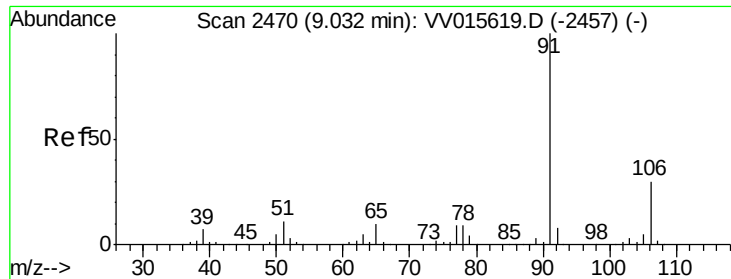
#51
Chlorobenzene
Concen: 0.476 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Tgt Ion:112 Resp: 12176
Ion Ratio Lower Upper
112 100
114 33.7 21.6 40.2
77 62.7 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: 0.431 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

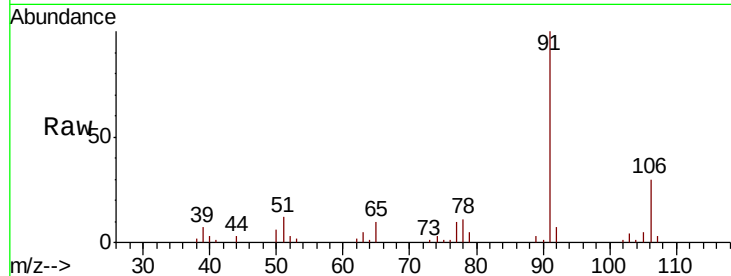
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 19804

Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015617.D (-2377) (-)

Ion 106.15 (105.85 to 106.85): VV015617.D (-2377) (-)

9.04

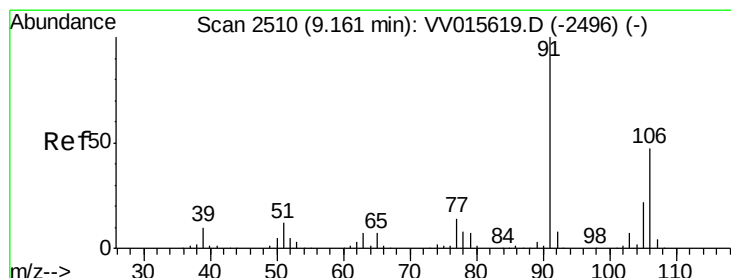
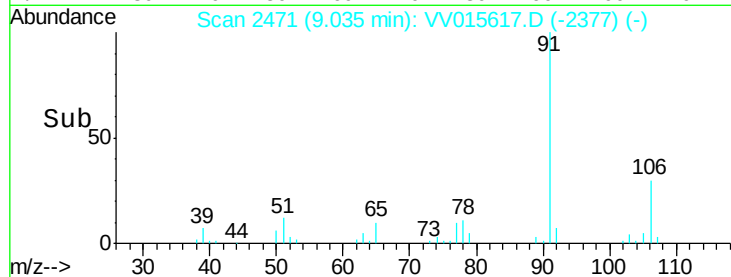
10000

5000

0

Time-->

9.00 9.05 9.10



#53

m,p-xylene

Concen: 0.400 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015617.D

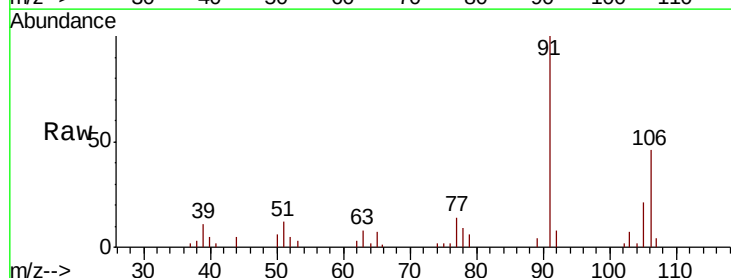
Acq: 22 Apr 2020 13:20

Tgt Ion: 106 Resp: 6917

Ion Ratio Lower Upper

106 100

91 218.3 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015617.D (-2417) (-)

Ion 91.15 (90.85 to 91.85): VV015617.D (-2417) (-)

9.16

10000

8000

6000

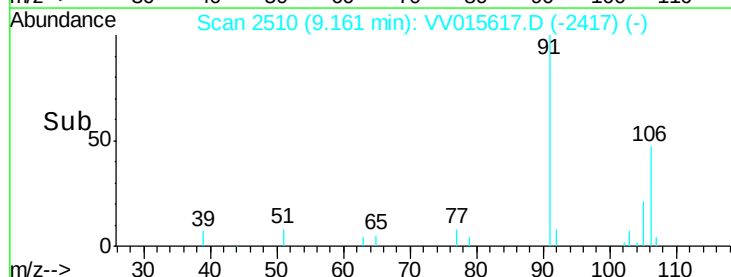
4000

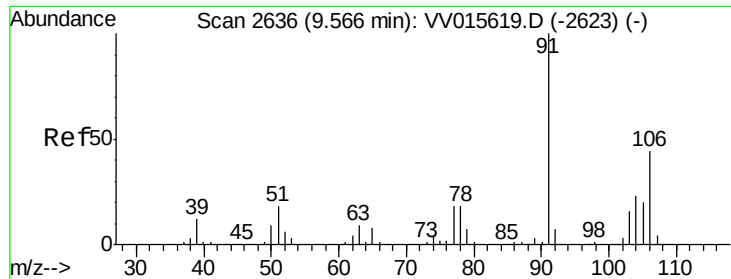
2000

0

Time-->

9.10 9.15 9.20

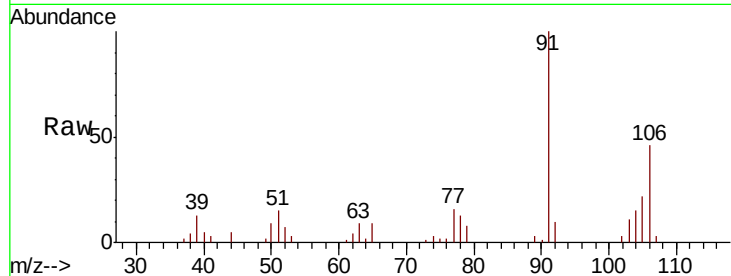




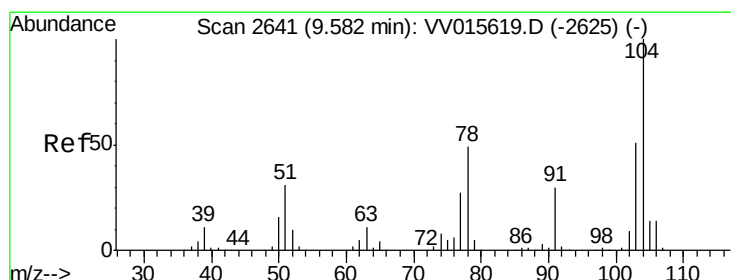
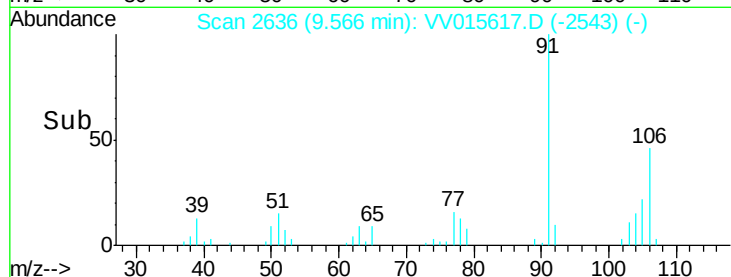
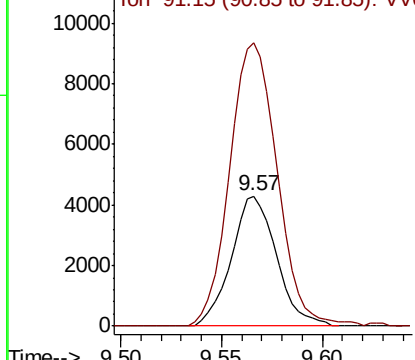
#54
o-xylene
Concen: 0.399 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 6693
Ion Ratio Lower Upper
106 100
91 217.5 159.8 296.8

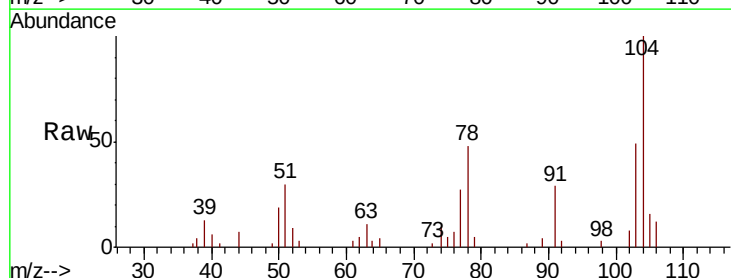


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

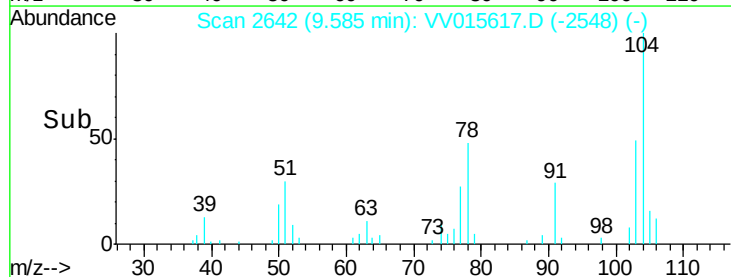
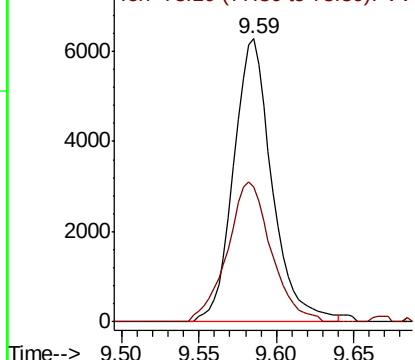


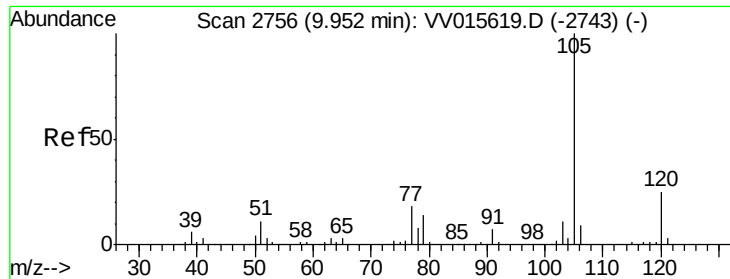
#55
Styrene
Concen: 0.385 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV015617.D
Acq: 22 Apr 2020 13:20

Tgt Ion:104 Resp: 10858
Ion Ratio Lower Upper
104 100
78 47.8 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: 0.427 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

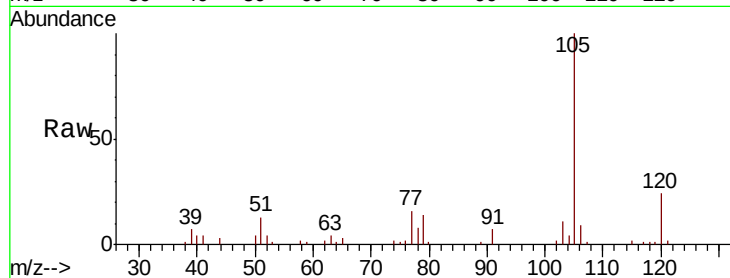
Tot Ion:105 Resp: 19662

Ion Ratio Lower Upper

105 100

120 24.9 20.7 31.1

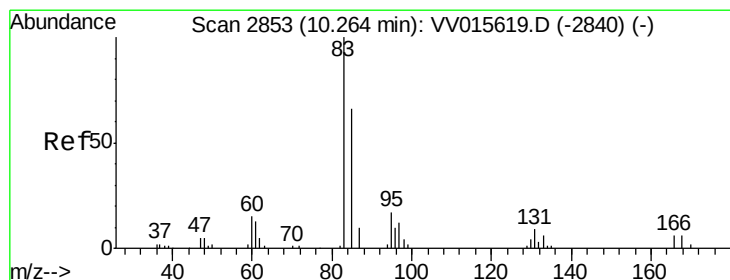
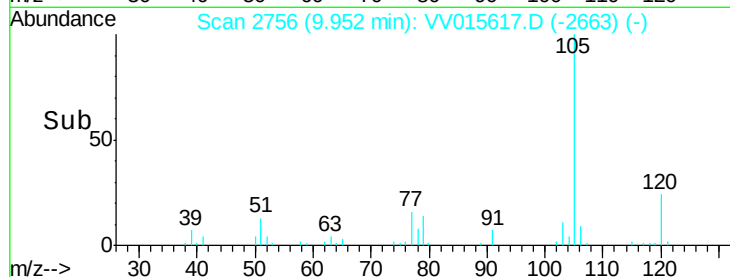
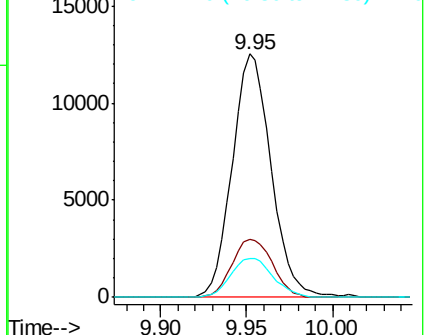
77 17.5 13.9 20.9



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: 0.454 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

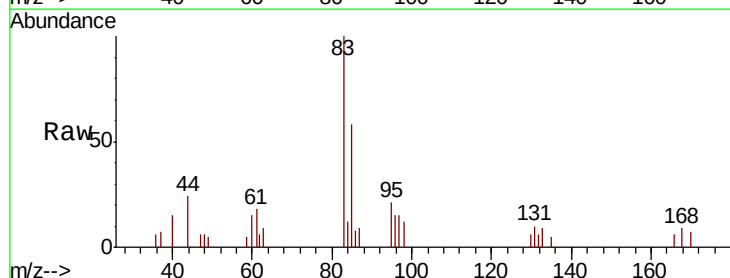
Tgt Ion: 83 Resp: 3400

Ion Ratio Lower Upper

83 100

85 58.1 46.3 85.9

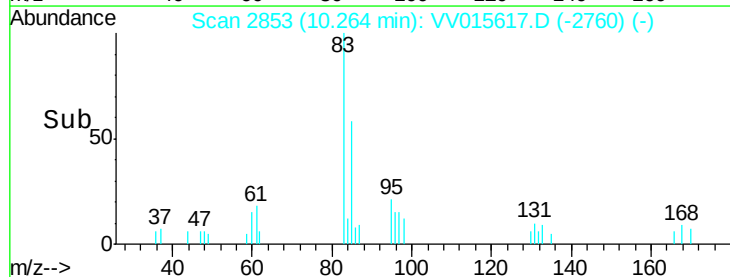
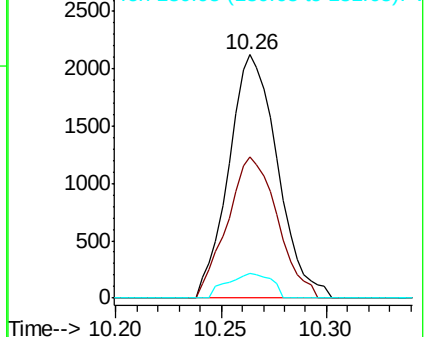
131 10.1 7.7 11.5

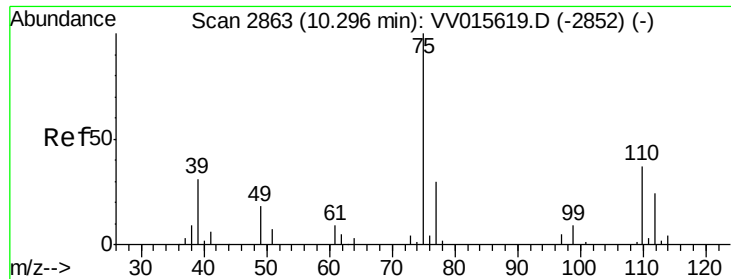


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.487 ug/L

RT: 10.30 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

Instrument :

MSVOA_V

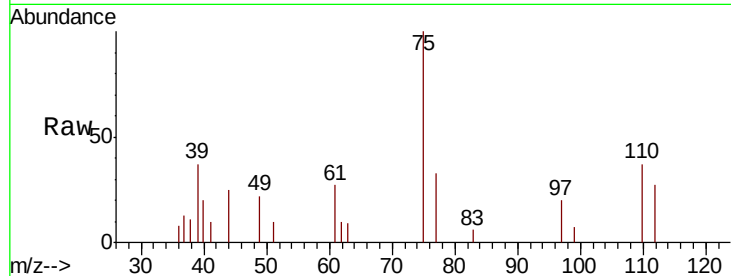
ClientSampleId :

Tot Ion: 75 Resp: 2779

Ion Ratio Lower Upper

75 100

77 34.8 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) (-)

10.30

1500

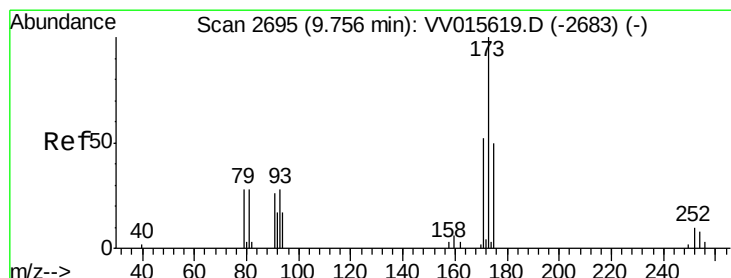
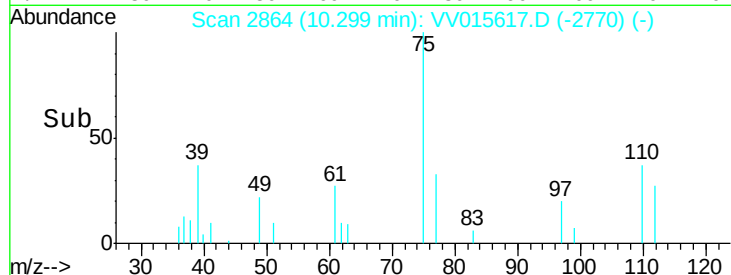
1000

500

0

10.25 10.30 10.35

Time-->



#61

Bromoform

Concen: 0.316 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

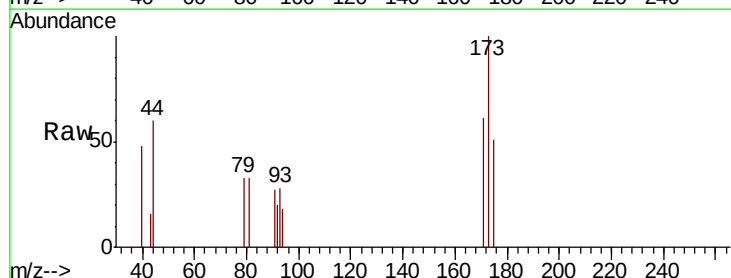
Tgt Ion: 173 Resp: 1072

Ion Ratio Lower Upper

173 100

175 53.4 39.8 59.8

254 0.0 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) (-)

9.76

800

600

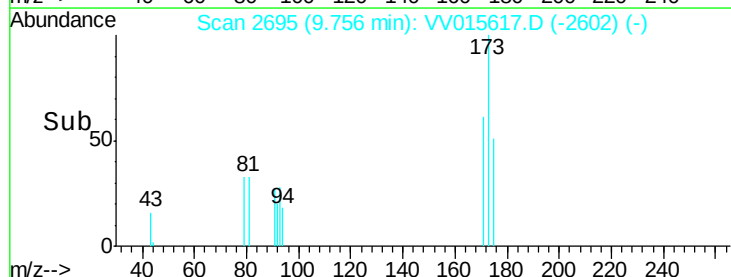
400

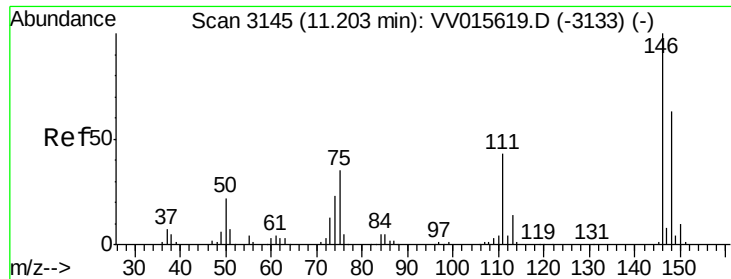
200

0

9.70 9.75 9.80

Time-->

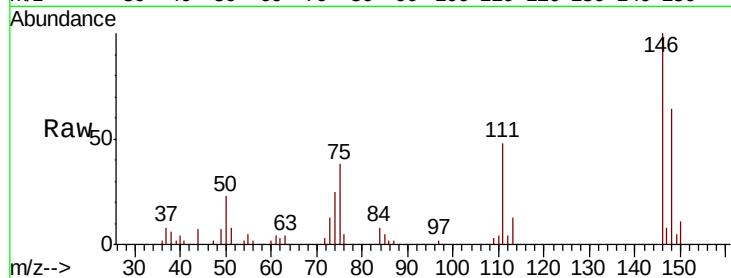




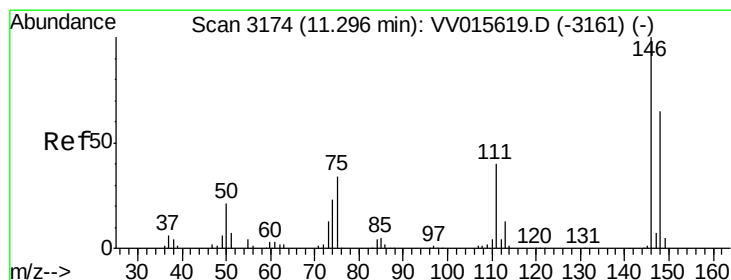
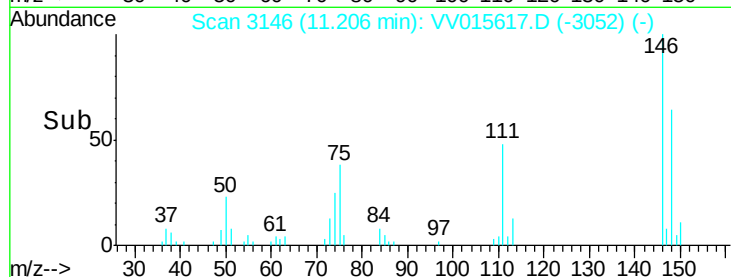
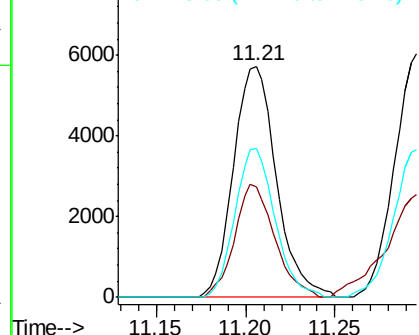
#62
 1,3-Dichlorobenzene
 Concen: 0.481 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 9581
 Ion Ratio Lower Upper
 146 100
 111 47.8 30.0 55.6
 148 64.4 44.2 82.2

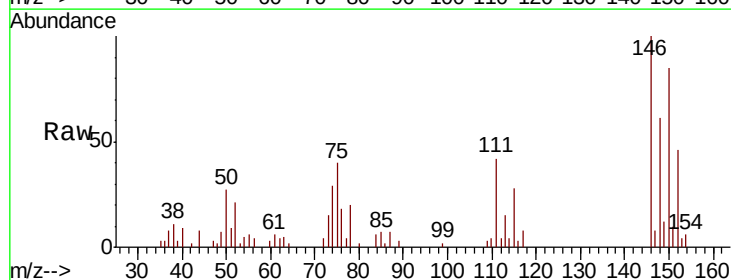


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

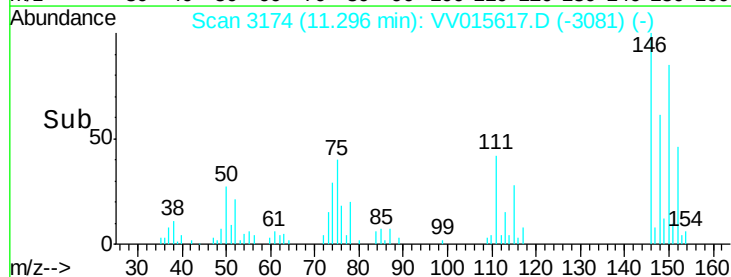
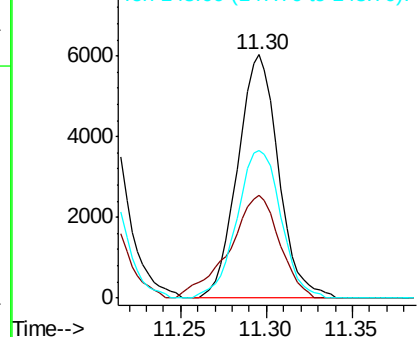


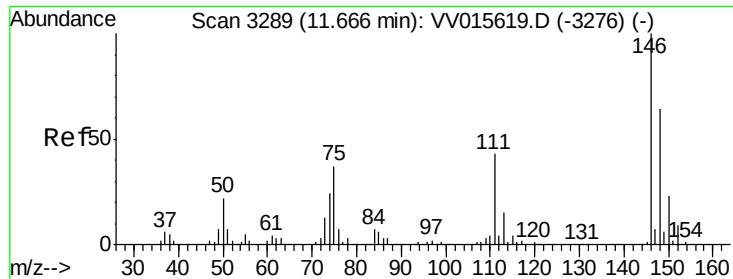
#63
 1,4-Dichlorobenzene
 Concen: 0.489 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

Tgt Ion:146 Resp: 9936
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.2 52.4
 148 60.6 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

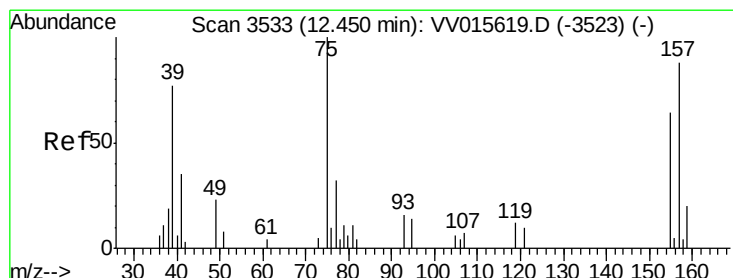
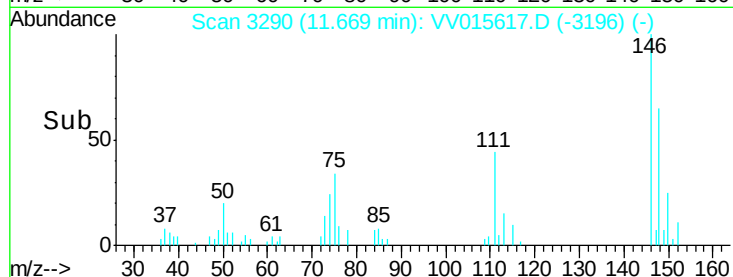
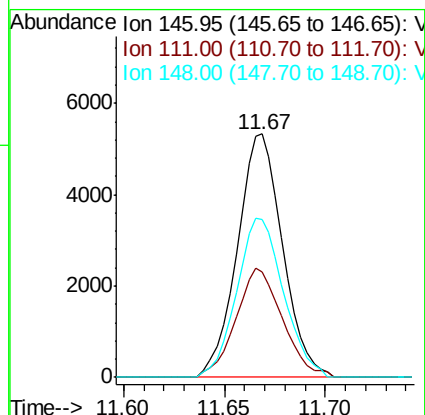
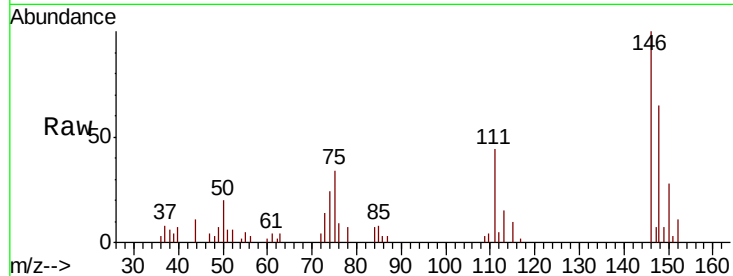




#65
 1,2-Dichlorobenzene
 Concen: 0.458 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

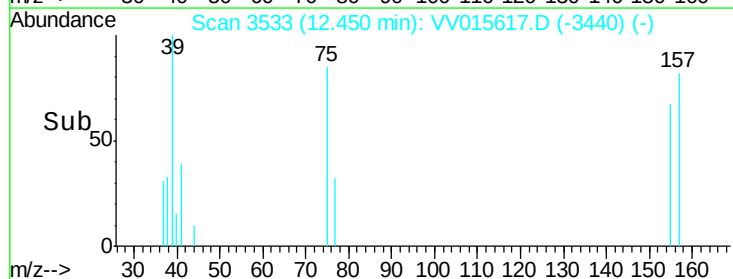
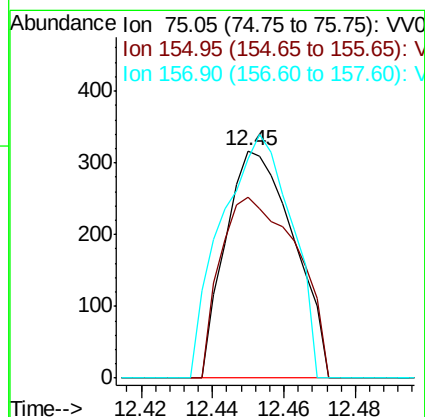
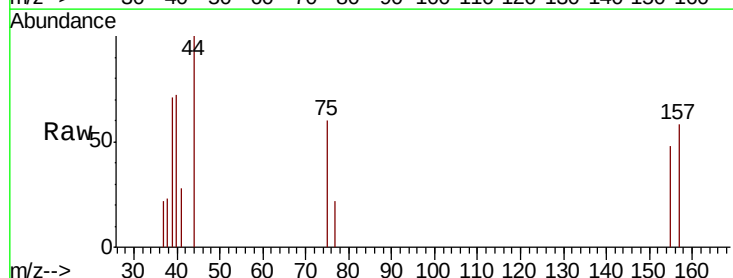
Instrument :
 MSVOA_V
 ClientSampled :

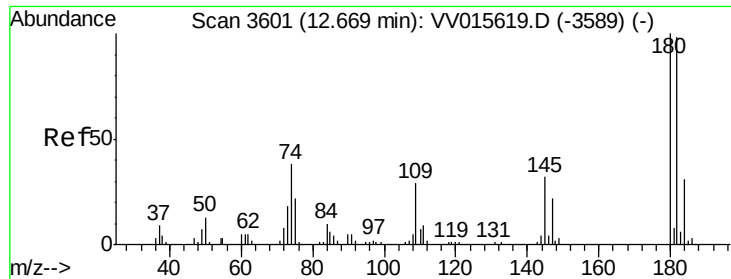
Tot Ion:146 Resp: 8368
 Ion Ratio Lower Upper
 146 100
 111 43.5 34.7 52.1
 148 64.9 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.308 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

Tgt Ion: 75 Resp: 418
 Ion Ratio Lower Upper
 75 100
 155 79.8 51.0 76.4#
 157 96.5 70.6 106.0

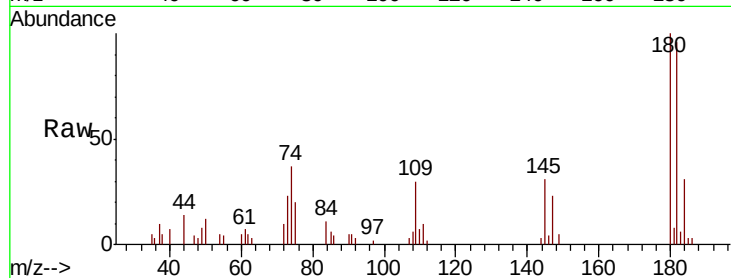




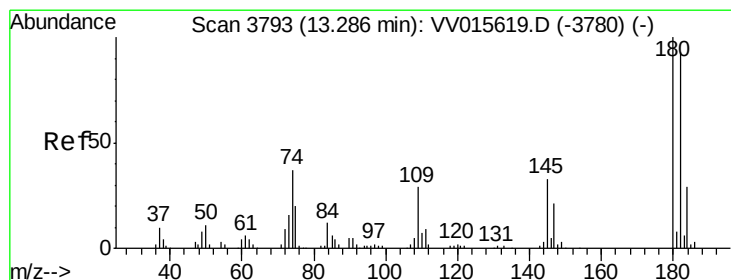
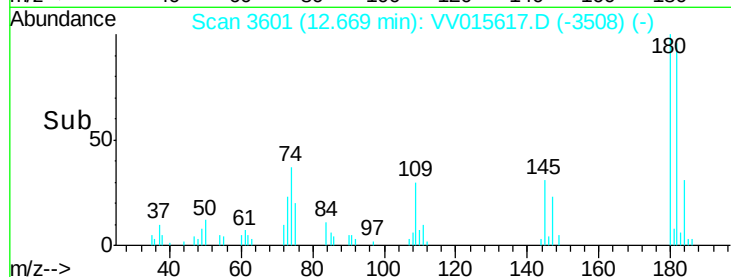
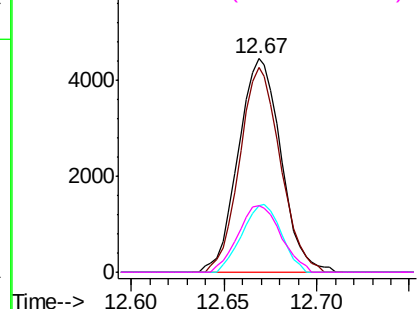
#67
 1,3,5-Trichlorobenzene
 Concen: 0.494 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 7127
 Ion Ratio Lower Upper
 180 100
 182 91.1 78.2 117.4
 184 29.0 25.0 37.4
 145 31.4 26.4 39.6

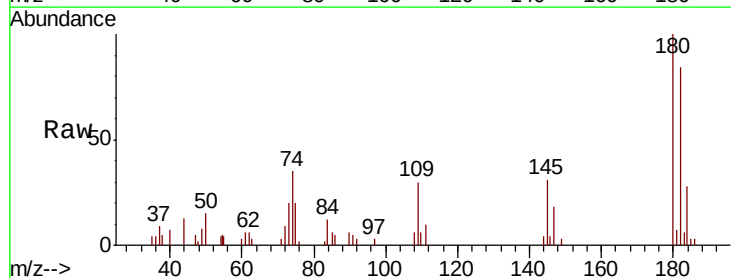


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

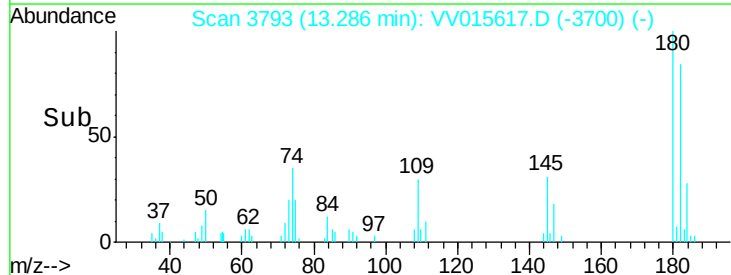
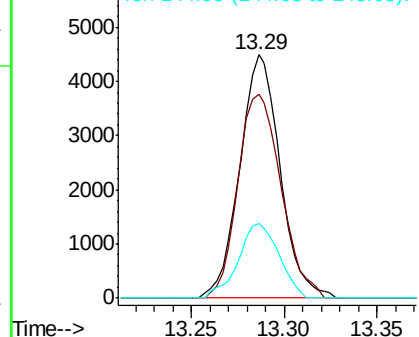


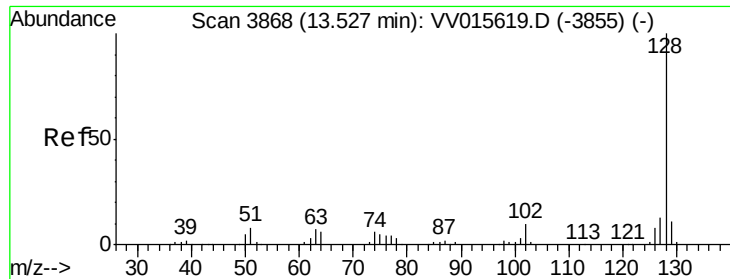
#68
 1,2,4-trichlorobenzene
 Concen: 0.516 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015617.D
 Acq: 22 Apr 2020 13:20

Tgt Ion:180 Resp: 6773
 Ion Ratio Lower Upper
 180 100
 182 89.7 74.8 112.2
 145 30.9 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: 0.519 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

Instrument :

MSVOA_V

ClientSampled :

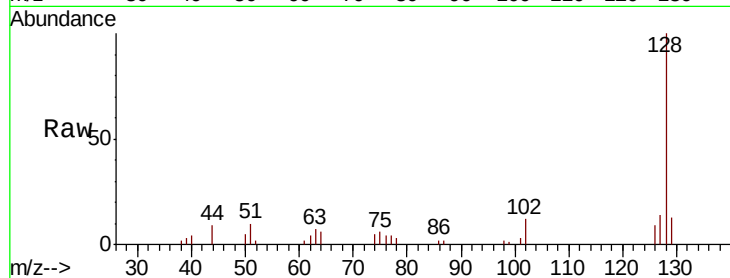
Tot Ion:128 Resp: 12648

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

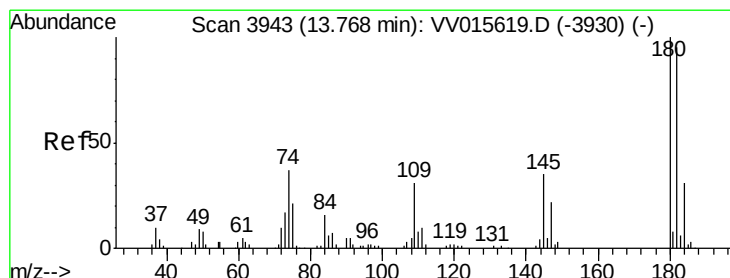
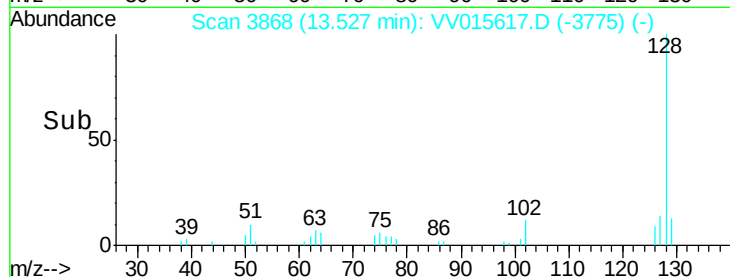
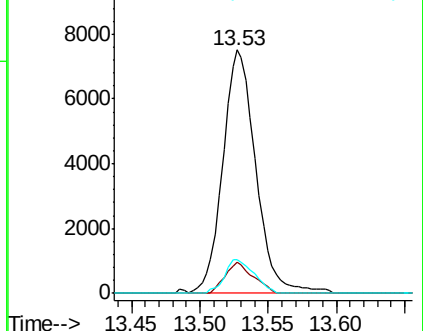
127 12.5 10.2 15.4



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: 0.519 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015617.D

Acq: 22 Apr 2020 13:20

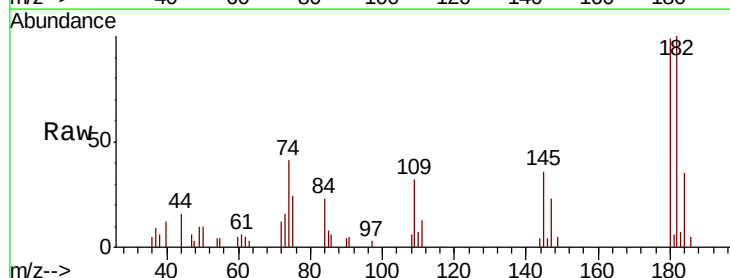
Tgt Ion:180 Resp: 6000

Ion Ratio Lower Upper

180 100

182 90.2 74.8 112.2

145 34.5 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

