

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\
 Data File : VV016356.D
 Acq On : 30 May 2020 13:39
 Operator : SY/MD
 Sample : VSTD00535
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 03:28:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 03:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	77015	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	75655	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	37422	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	33630	5.00	ug/L	0.00
7) Chloroethane-d5	1.58	69	25185	5.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	58969	5.00	ug/L	0.00
20) 2-Butanone-d5	3.93	46	73026	50.00	ug/L	0.00
24) Chloroform-d	4.38	84	57521	5.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	29991	5.00	ug/L	0.00
32) Benzene-d6	5.07	84	107285	5.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	32337	5.00	ug/L	0.00
41) Toluene-d8	7.34	98	99813	5.00	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	12207	5.00	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	56659	50.00	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	23457	5.00	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	33674	5.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	32703	5.000 ug/L	100
3) Chloromethane	1.25	50	38022	5.000 ug/L	100
5) Vinyl chloride	1.32	62	35697	5.000 ug/L	100
6) Bromomethane	1.53	94	19707	5.000 ug/L	100
8) Chloroethane	1.60	64	21804	5.000 ug/L	100
9) Trichlorofluoromethane	1.77	101	48805	5.000 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	27291	5.000 ug/L	100
12) 1,1-Dichloroethene	2.14	96	25563	5.000 ug/L	100
13) Acetone	2.20	43	43609	50.000 ug/L	100
14) Carbon disulfide	2.31	76	77121	5.000 ug/L	100
15) Methyl Acetate	2.45	43	11098	5.000 ug/L	100
16) Methylene chloride	2.52	84	26877	5.000 ug/L	100
17) Methyl tert-butyl Ether	2.79	73	59821	5.000 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	26755	5.000 ug/L	100
19) 1,1-Dichloroethane	3.21	63	53774	5.000 ug/L	100
21) 2-Butanone	4.01	43	76187	50.000 ug/L	100
22) cis-1,2-Dichloroethene	3.94	96	29352	5.000 ug/L	100
23) Bromochloromethane	4.27	128	11853	5.000 ug/L	100
25) Chloroform	4.40	83	53693	5.000 ug/L	100
27) 1,2-Dichloroethane	5.16	62	35897	5.000 ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	46699	5.000 ug/L	100
30) Cyclohexane	4.70	56	49890	5.000 ug/L	100
31) Carbon tetrachloride	4.85	117	40433	5.000 ug/L	100
33) Benzene	5.12	78	115449	5.000 ug/L	100
34) Trichloroethene	5.94	95	30419	5.000 ug/L	100
35) Methylcyclohexane	6.15	83	48545	5.000 ug/L	100
37) 1,2-Dichloropropane	6.20	63	30205	5.000 ug/L	100
38) Bromodichloromethane	6.53	83	35199	5.000 ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	38562	5.000 ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	179978	50.000 ug/L	100

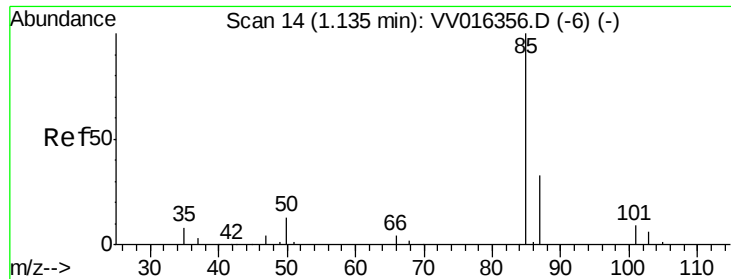
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	126595	5.000	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	116261	5.000	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	117530	5.000	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	33140	5.000	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	18772	5.000	ug/L	100
49) Tetrachloroethene	8.00	164	21747	5.000	ug/L	100
50) 2-Hexanone	8.16	43	127926	50.000	ug/L	100
51) Dibromochloromethane	8.27	129	19425	5.000	ug/L	100
52) 1,2-Dibromoethane	8.38	107	17897	5.000	ug/L	100
53) Chlorobenzene	8.90	112	76955	5.000	ug/L	100
54) Ethylbenzene	9.03	91	139291	5.000	ug/L	100
55) m,p-xylene	9.16	106	52208	5.000	ug/L	100
56) o-xylene	9.57	106	49960	5.000	ug/L	100
57) Styrene	9.58	104	86135	5.000	ug/L	100
58) Isopropylbenzene	9.95	105	134880	5.000	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	23324	5.000	ug/L	100
62) Bromoform	9.75	173	8126	5.000	ug/L	100
63) 1,3-Dichlorobenzene	11.20	146	60539	5.000	ug/L	100
64) 1,4-Dichlorobenzene	11.30	146	60255	5.000	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	54371	5.000	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.45	75	3514	5.000	ug/L	100
68) 1,3,5-Trichlorobenzene	12.67	180	43196	5.000	ug/L	100
69) 1,2,4-trichlorobenzene	13.29	180	35923	5.000	ug/L	100
70) Naphthalene	13.53	128	69924	5.000	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	32659	5.000	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.000 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

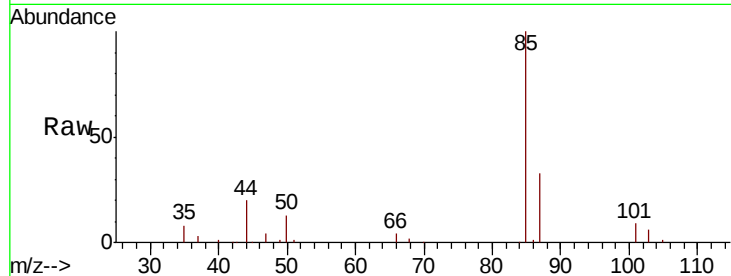
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 32703

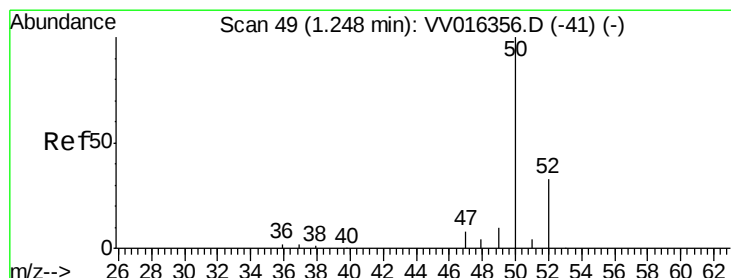
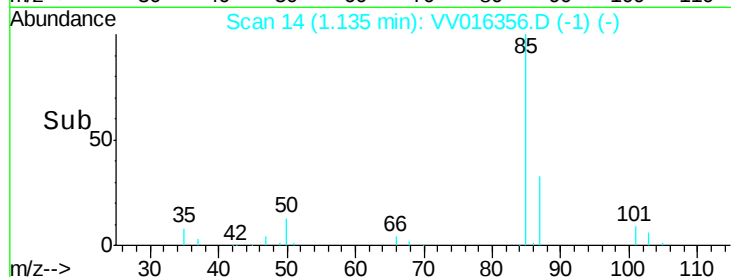
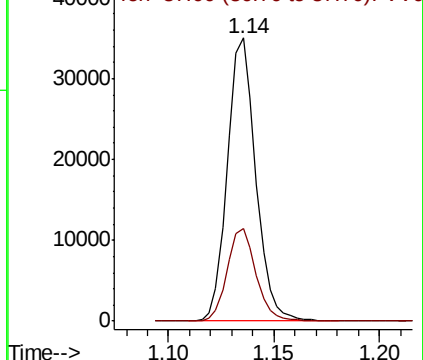
Ion Ratio Lower Upper

85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.000 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016356.D

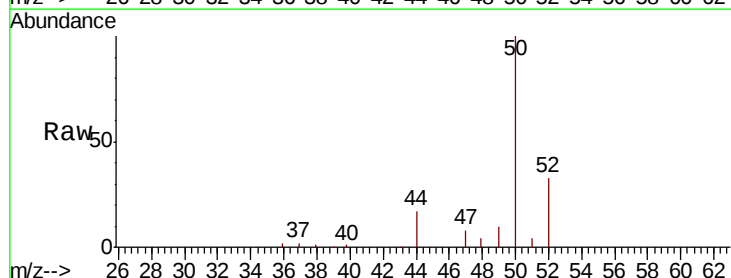
Acq: 30 May 2020 13:39

Tgt Ion: 50 Resp: 38022

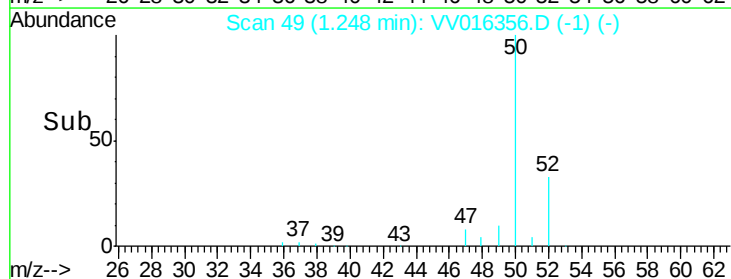
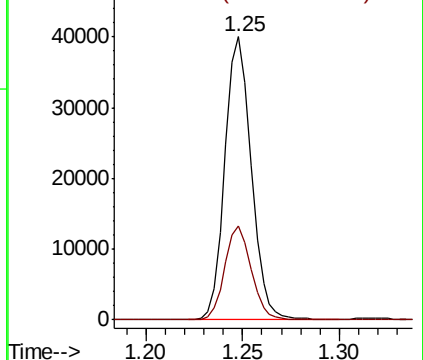
Ion Ratio Lower Upper

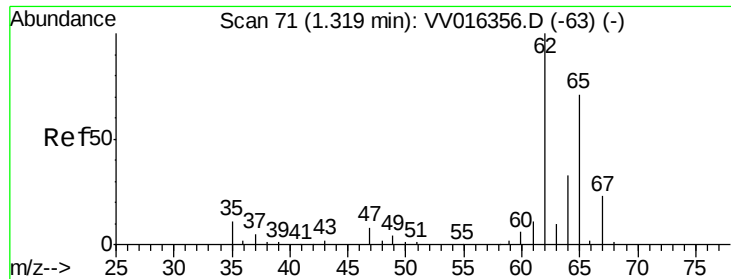
50 100

52 33.0 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.000 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

Instrument :

MSVOA_V

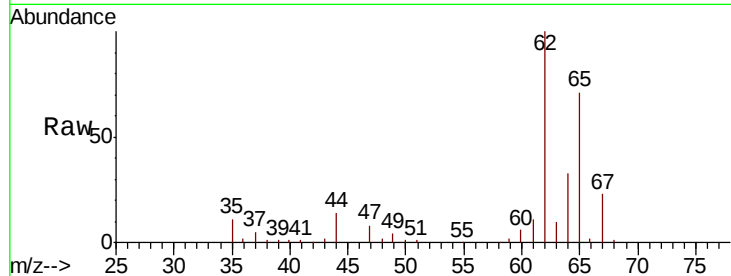
ClientSampled :

Tot Ion: 62 Resp: 35697

Ion Ratio Lower Upper

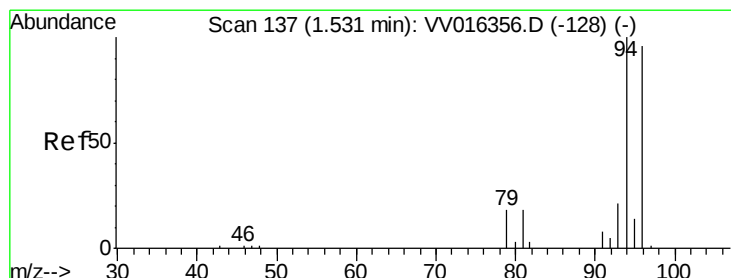
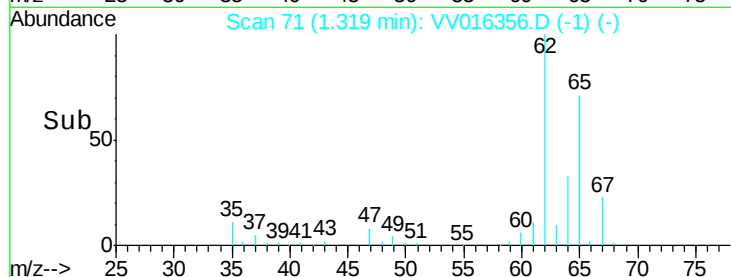
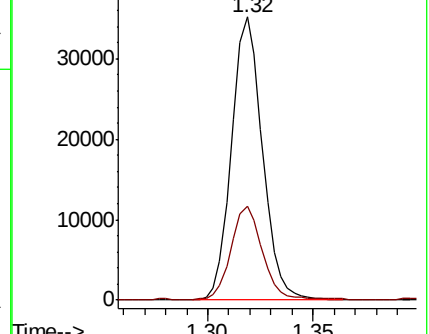
62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.000 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016356.D

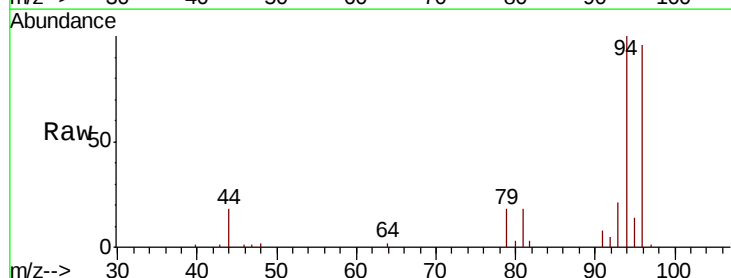
Acq: 30 May 2020 13:39

Tgt Ion: 94 Resp: 19707

Ion Ratio Lower Upper

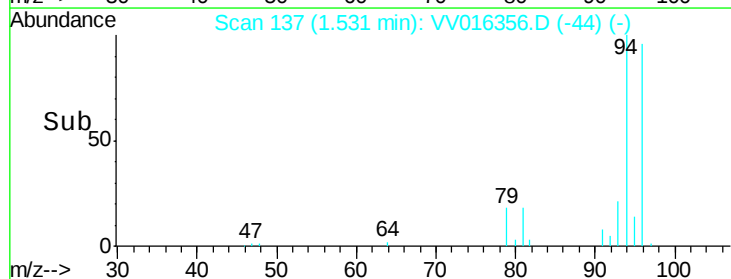
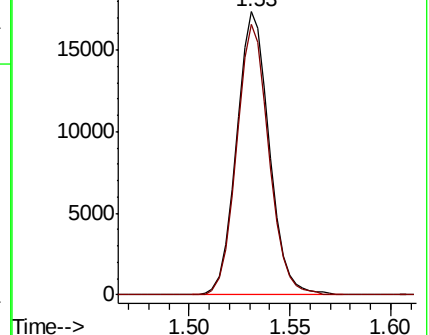
94 100

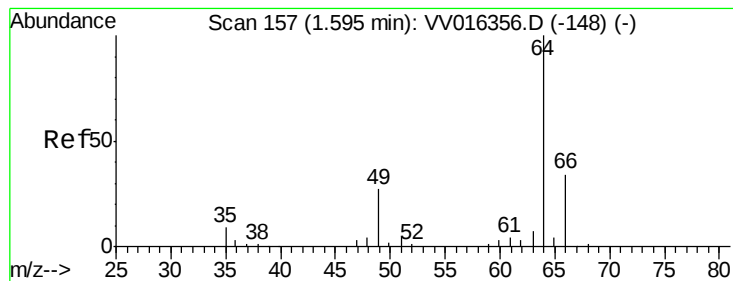
96 95.7 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.000 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

Instrument :

MSVOA_V

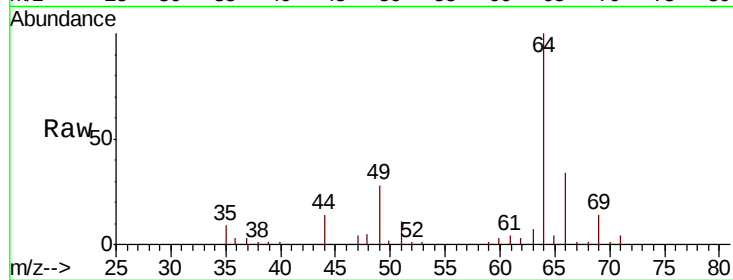
ClientSampleId :

Tot Ion: 64 Resp: 21804

Ion Ratio Lower Upper

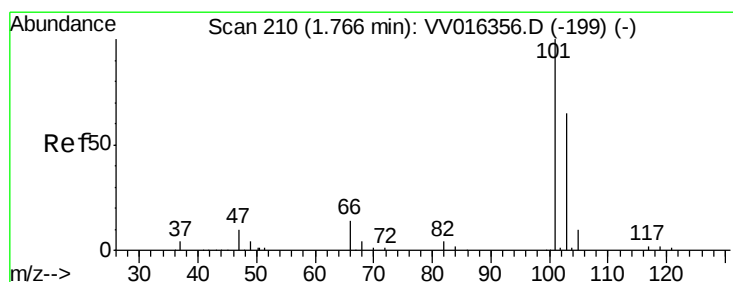
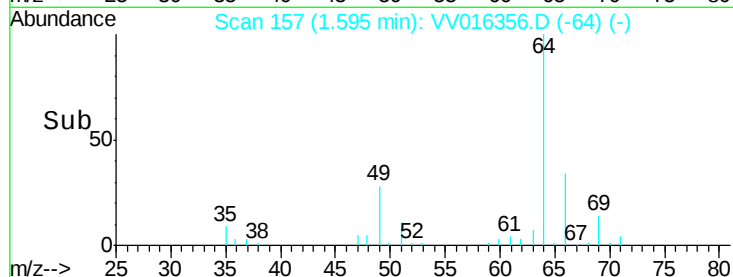
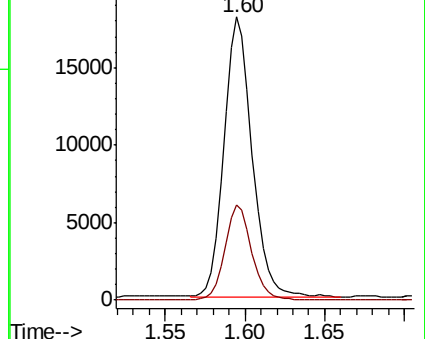
64 100

66 33.5 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VV016356.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV016356.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 5.000 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016356.D

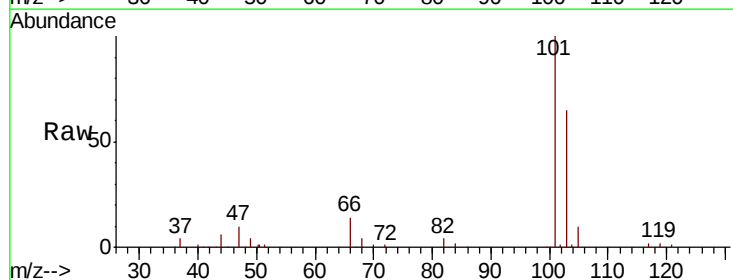
Acq: 30 May 2020 13:39

Tgt Ion:101 Resp: 48805

Ion Ratio Lower Upper

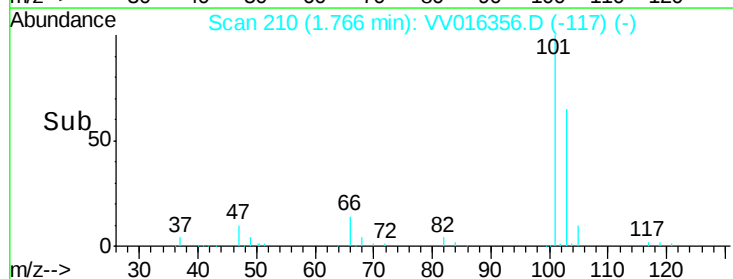
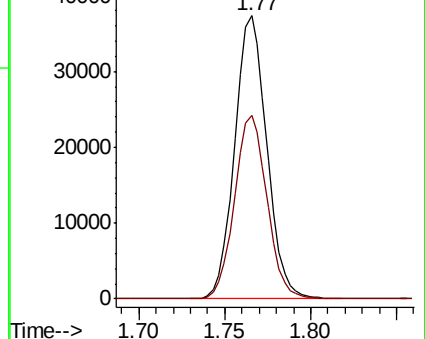
101 100

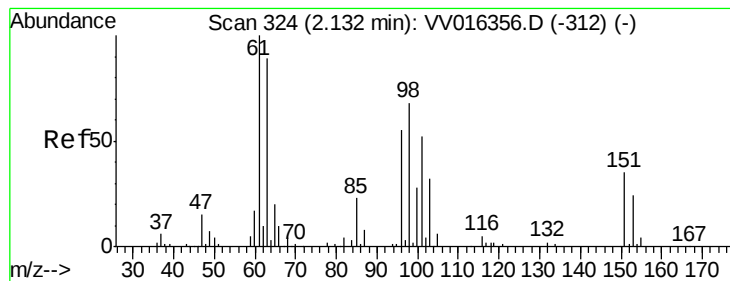
103 65.3 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VV016356.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV016356.D (-199) (-)





#10

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

Concen: 5.000 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

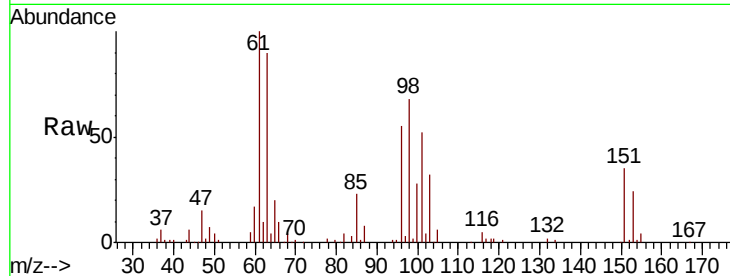
Tot Ion:101 Resp: 27291

Ion Ratio Lower Upper

101 100

85 44.6 35.7 53.5

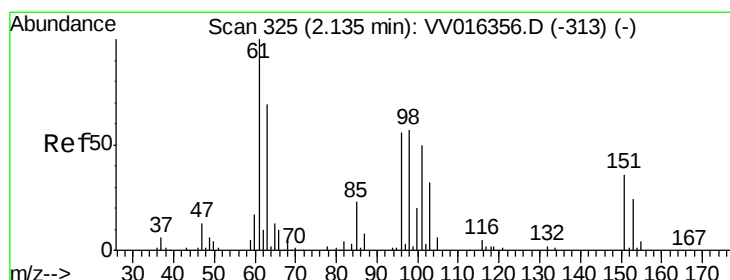
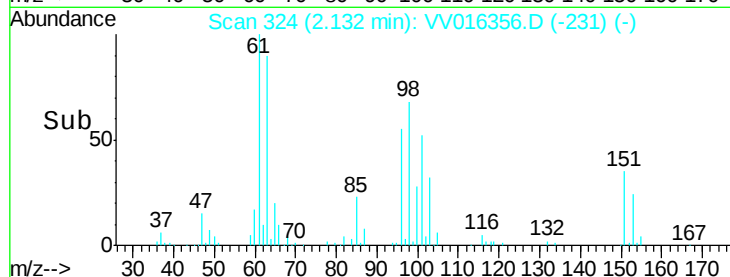
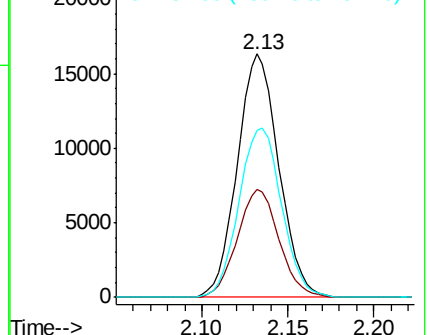
151 71.5 57.2 85.8



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: 5.000 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

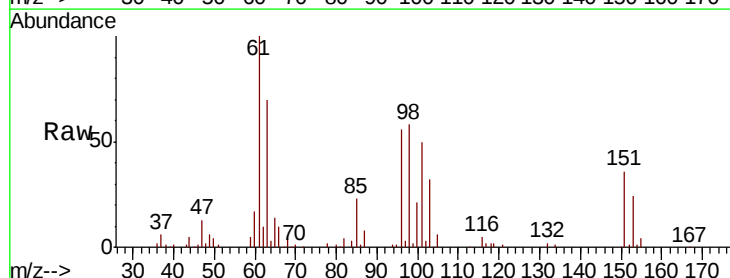
Tgt Ion: 96 Resp: 25563

Ion Ratio Lower Upper

96 100

61 179.2 125.4 233.0

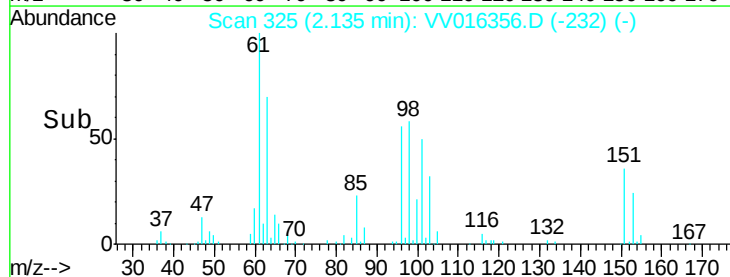
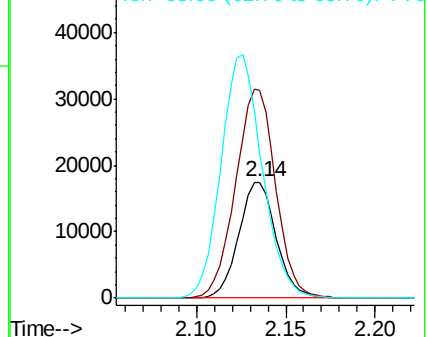
63 126.0 88.2 163.8

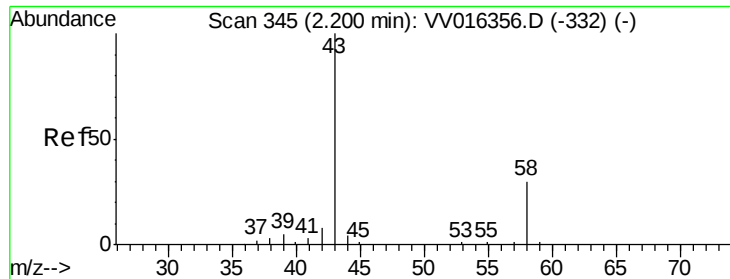


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.000 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

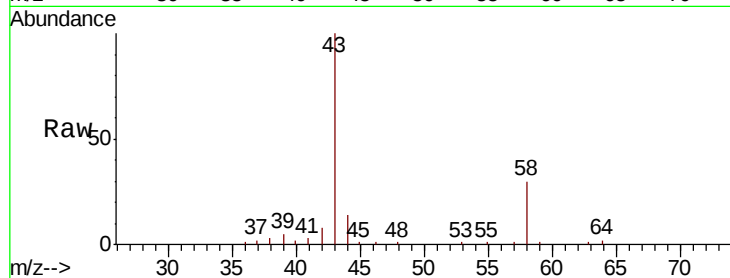
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 43609

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

15000

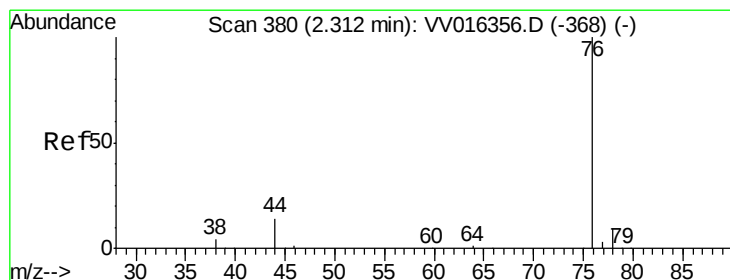
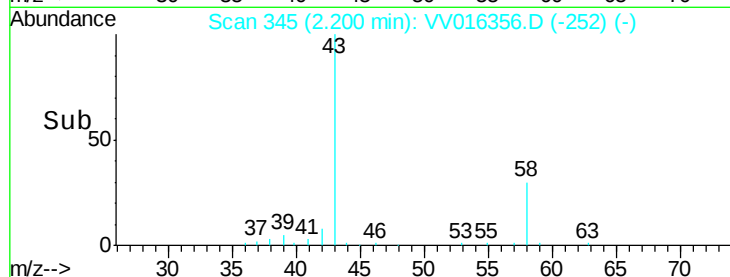
10000

5000

0

2.10 2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 5.000 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016356.D

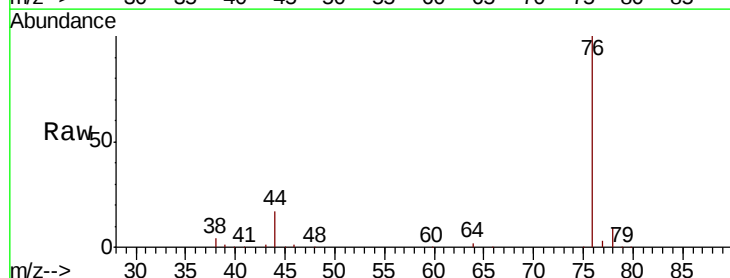
Acq: 30 May 2020 13:39

Tgt Ion: 76 Resp: 77121

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

60000

50000

40000

30000

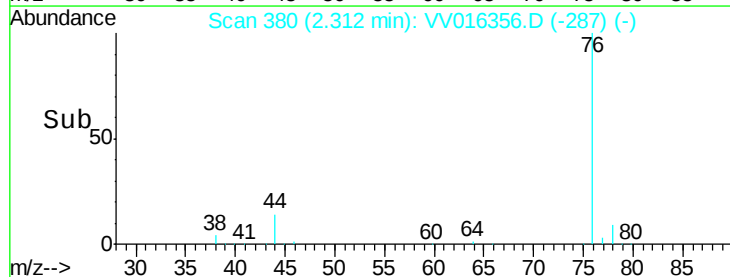
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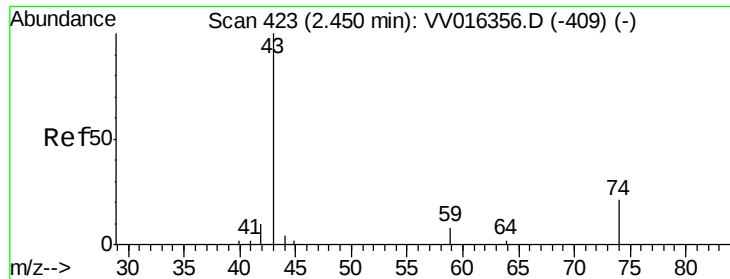
10000

0

2.25 2.30 2.35 2.40

Time-->

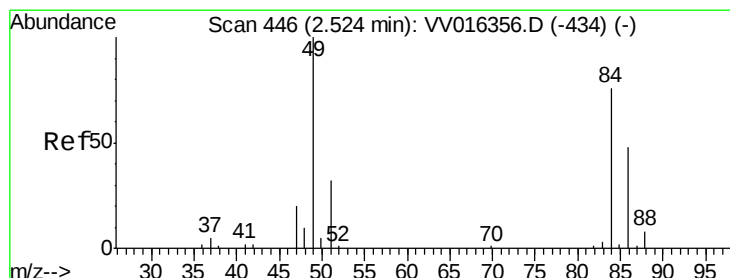
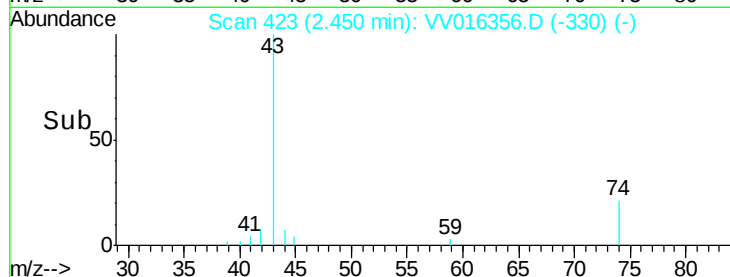
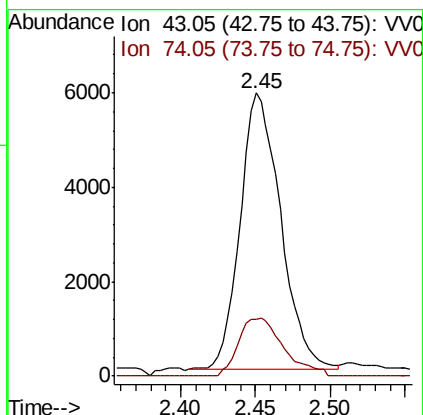
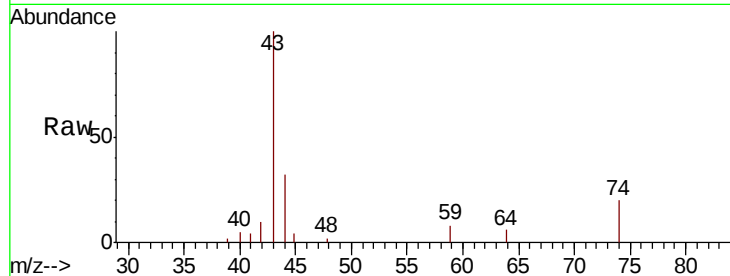




#15
Methyl Acetate
Concen: 5.000 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

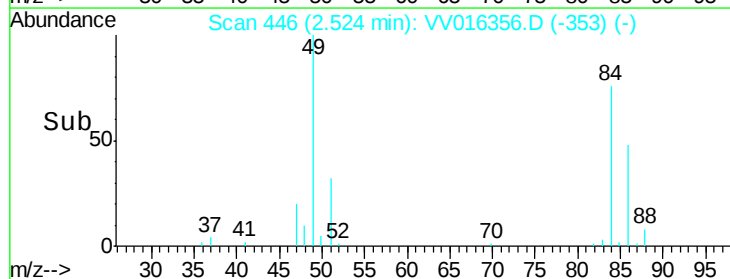
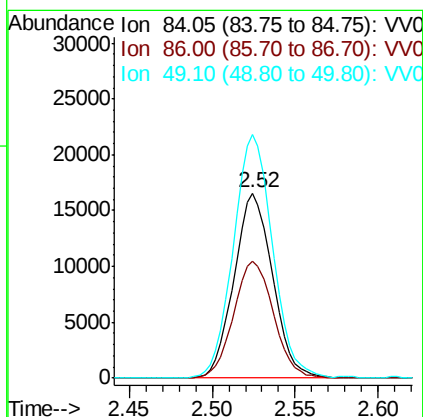
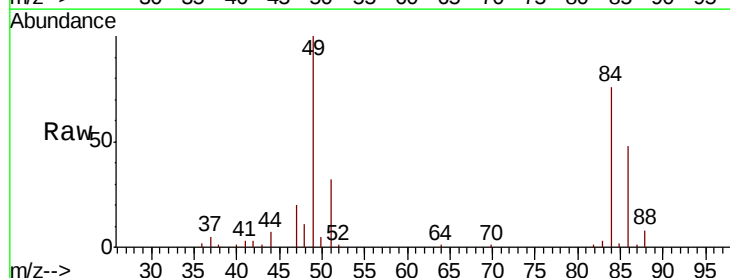
Instrument :
MSVOA_V
ClientSampleId :

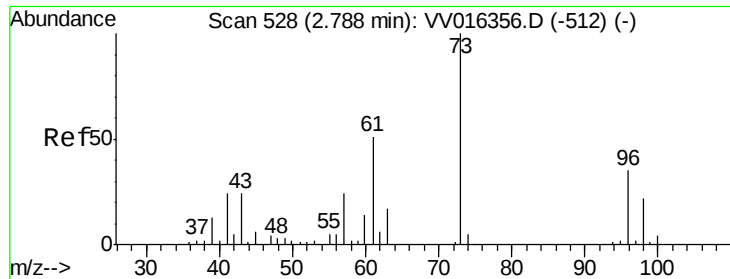
Tot Ion: 43 Resp: 11098
Ion Ratio Lower Upper
43 100
74 23.3 18.6 28.0



#16
Methylene chloride
Concen: 5.000 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

Tgt Ion: 84 Resp: 26877
Ion Ratio Lower Upper
84 100
86 63.6 44.5 82.7
49 131.8 92.3 171.3

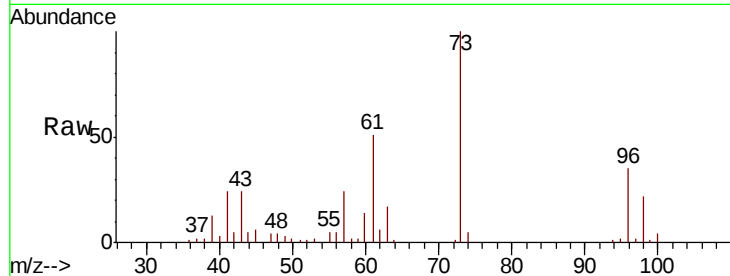




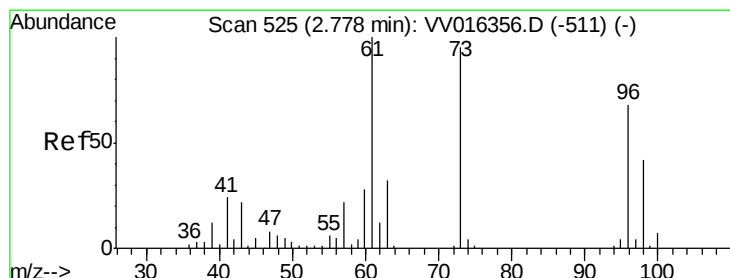
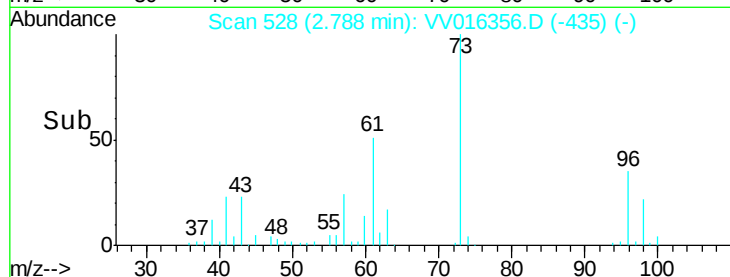
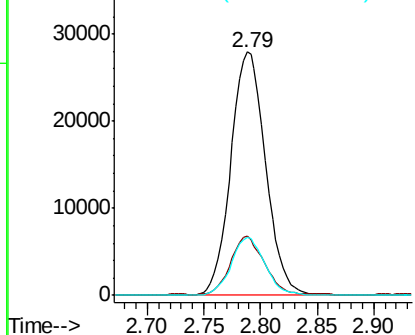
#17
Methvl tert-butvl Ether
Concen: 5.000 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 59821
Ion Ratio Lower Upper
73 100
43 24.2 19.4 29.0
57 23.0 18.4 27.6

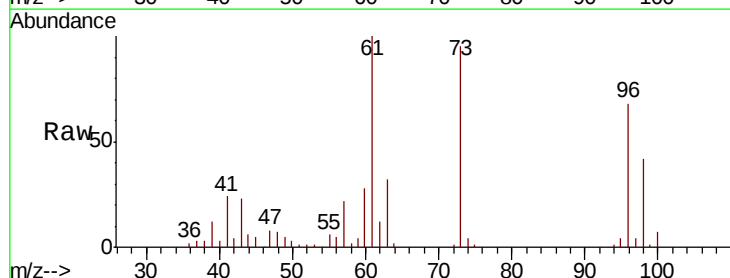


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

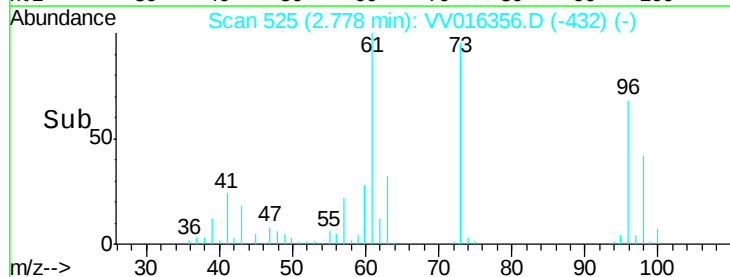
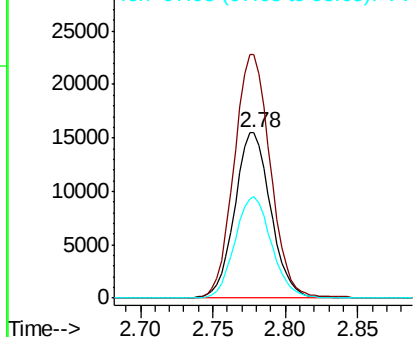


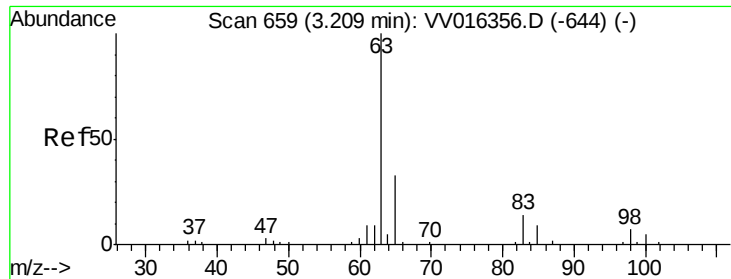
#18
trans-1,2-Dichloroethene
Concen: 5.000 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

Tgt Ion: 96 Resp: 26755
Ion Ratio Lower Upper
96 100
61 147.3 103.1 191.5
98 61.4 43.0 79.8



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

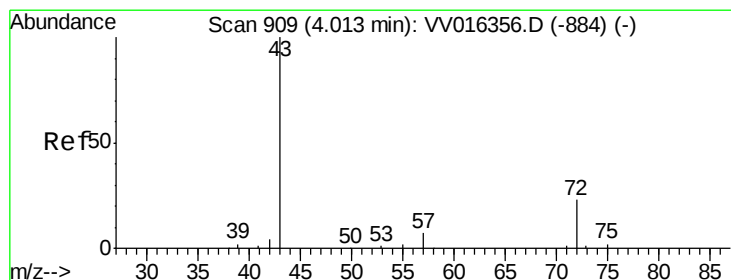
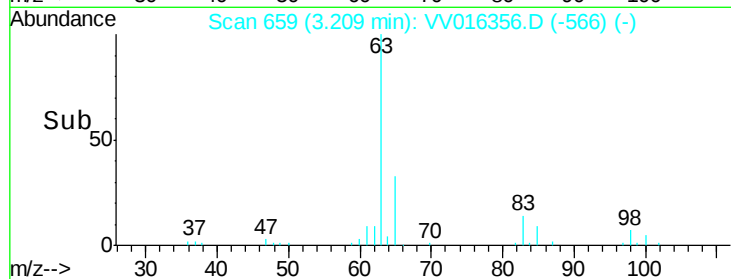
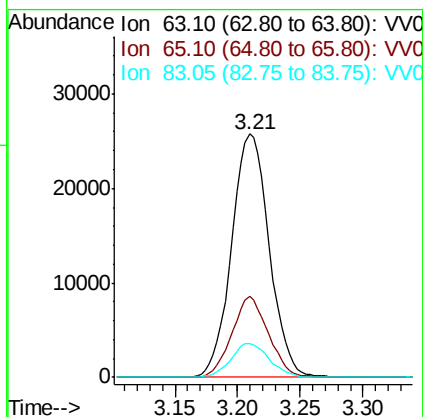
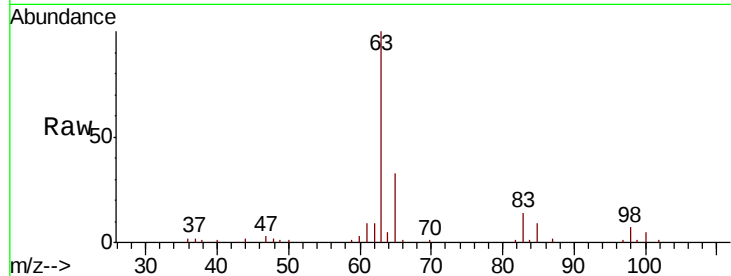




#19
 1,1-Dichloroethane
 Concen: 5.000 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

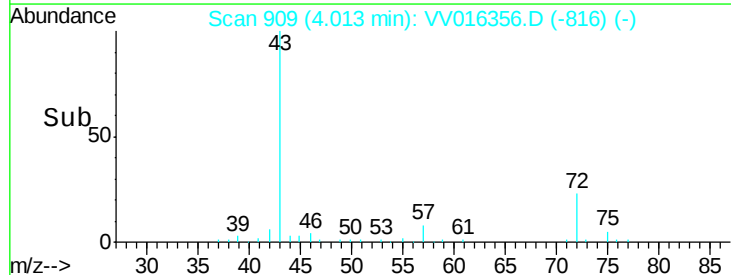
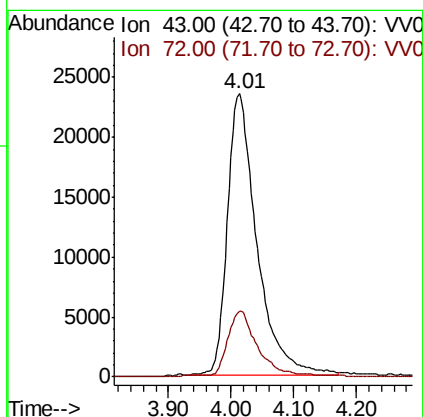
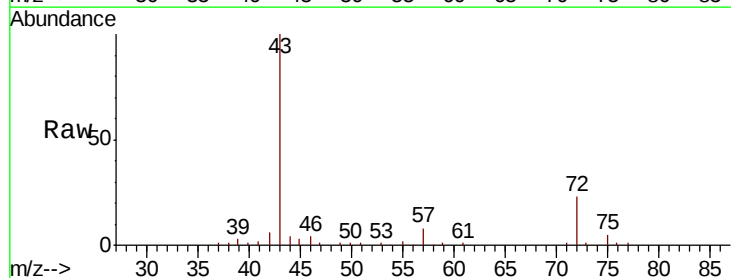
Instrument :
 MSVOA_V
 ClientSampleId :

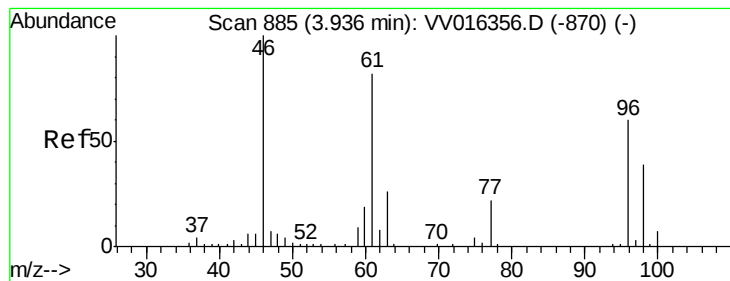
Tot Ion: 63 Resp: 53774
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.3 43.3
 83 14.1 9.9 18.3



#21
 2-Butanone
 Concen: 50.000 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Tgt Ion: 43 Resp: 76187
 Ion Ratio Lower Upper
 43 100
 72 22.4 11.2 33.6



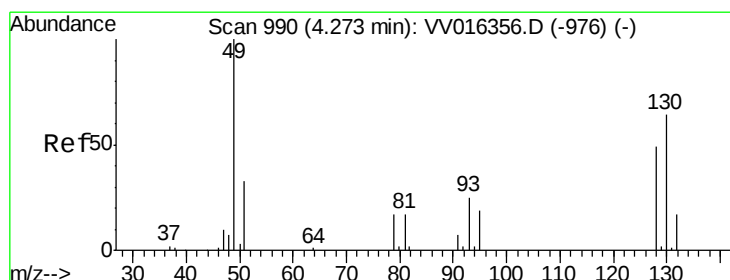
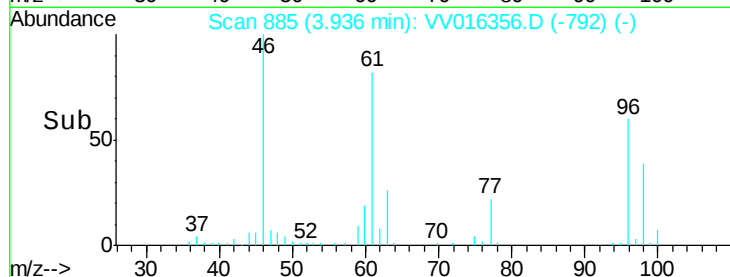
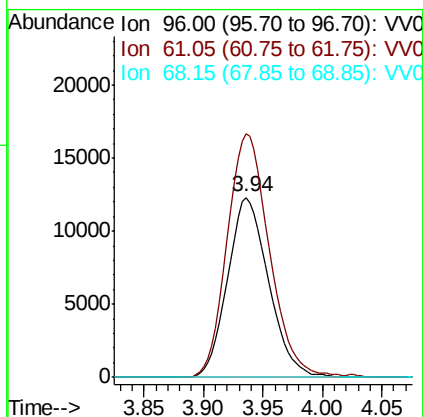
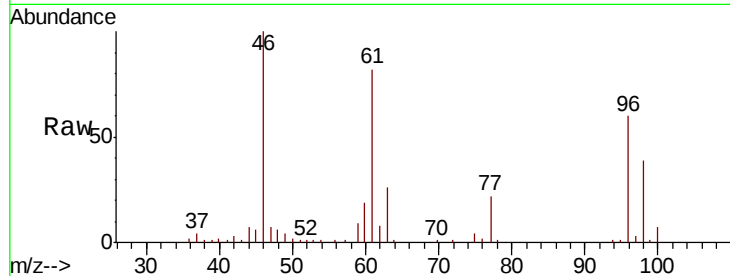


#22

cis-1,2-Dichloroethene
Concen: 5.000 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

Instrument :
MSVOA_V
ClientSampleId :

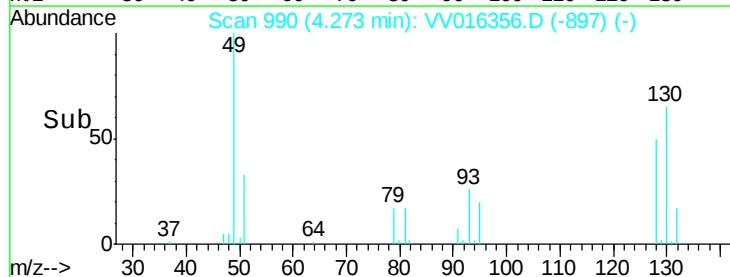
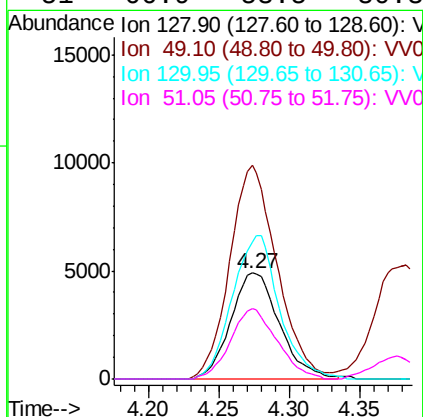
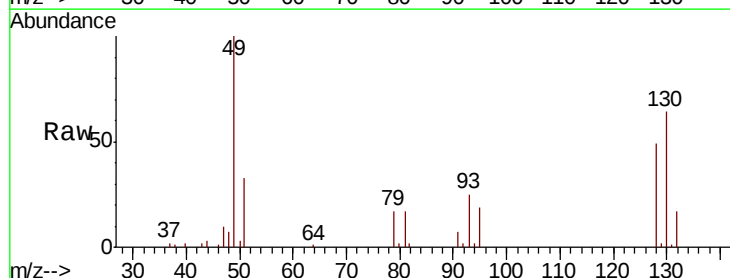
Tot Ion: 96 Resp: 29352
Ion Ratio Lower Upper
96 100
61 135.4 94.8 176.0
68 0.0 0.0 0.0

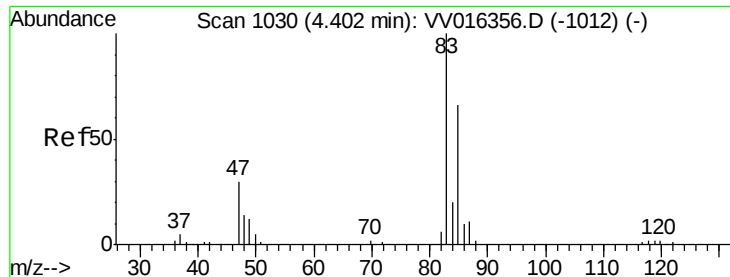


#23

Bromochloromethane
Concen: 5.000 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

Tgt Ion: 128 Resp: 11853
Ion Ratio Lower Upper
128 100
49 202.2 141.5 262.9
130 129.1 90.4 167.8
51 66.9 53.5 80.3

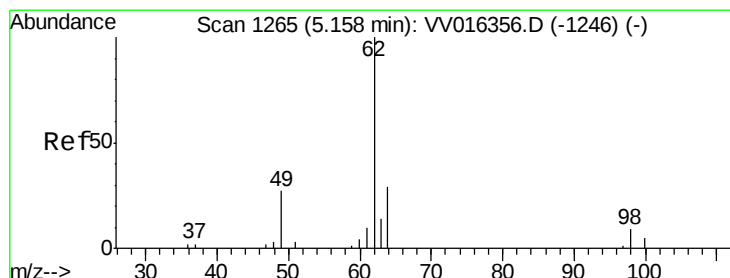
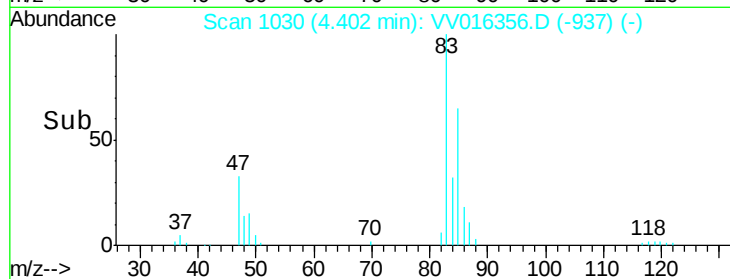
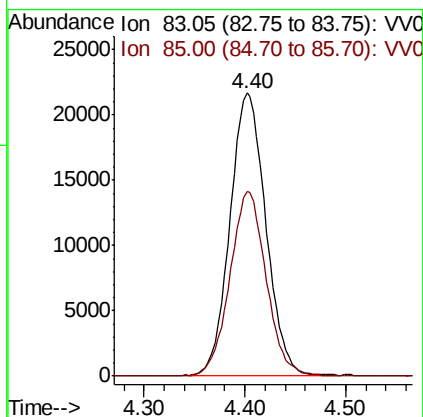
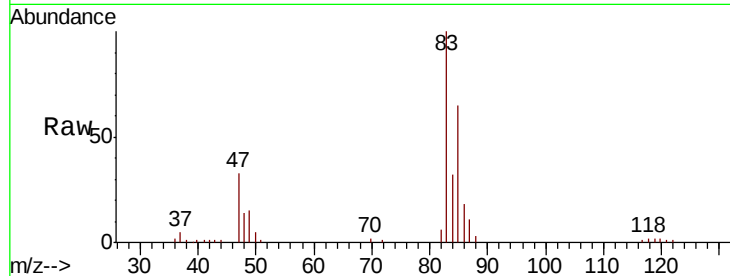




#25
Chloroform
Concen: 5.000 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

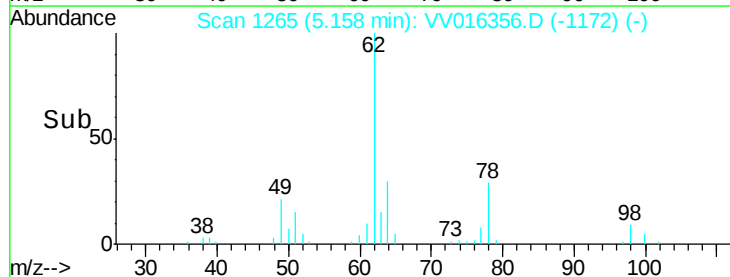
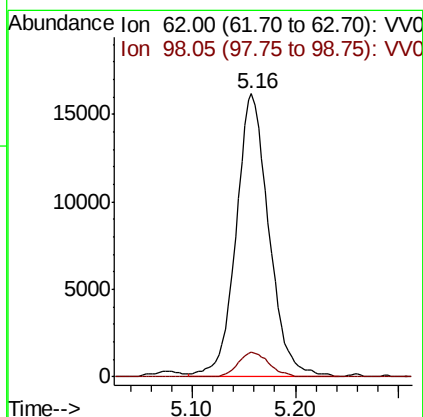
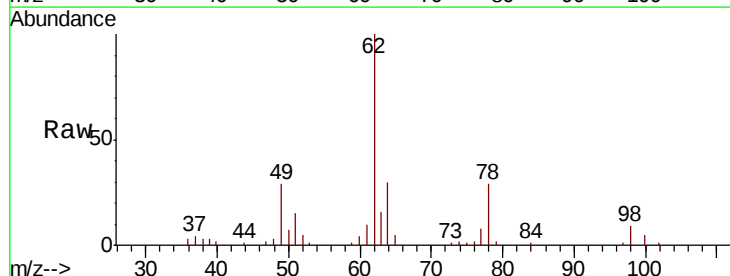
Instrument :
MSVOA_V
ClientSampleId :

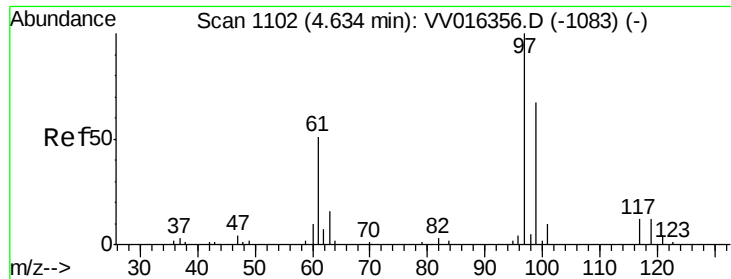
Tot Ion: 83 Resp: 53693
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 5.000 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

Tgt Ion: 62 Resp: 35897
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

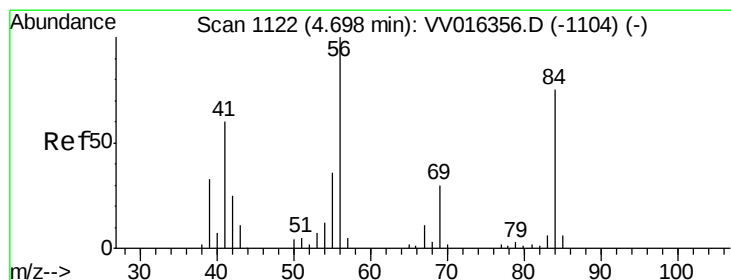
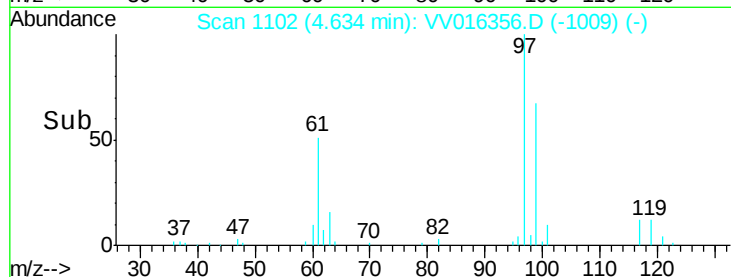
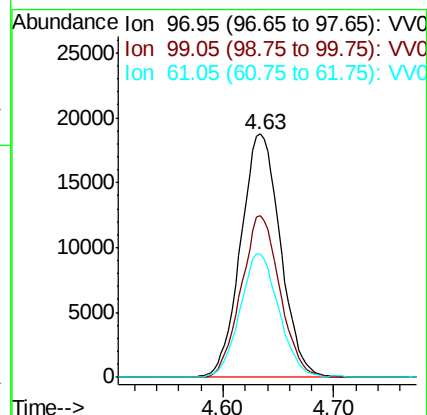
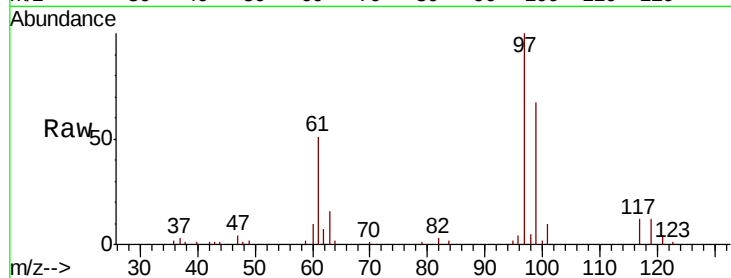




#29
 1,1,1-Trichloroethane
 Concen: 5.000 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

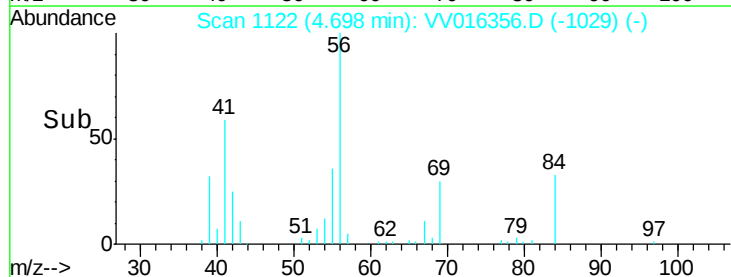
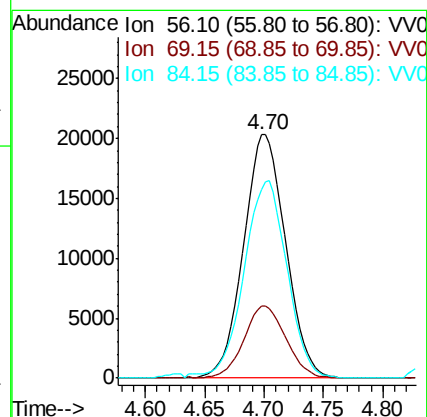
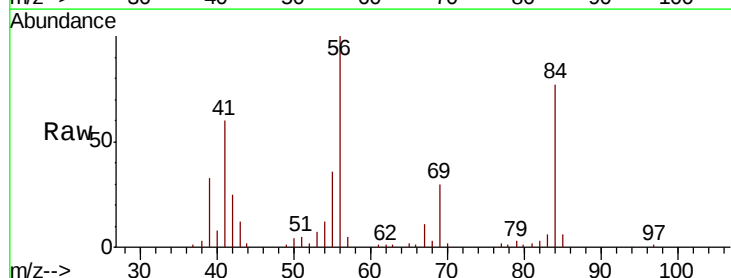
Instrument :
 MSVOA_V
 ClientSampled :

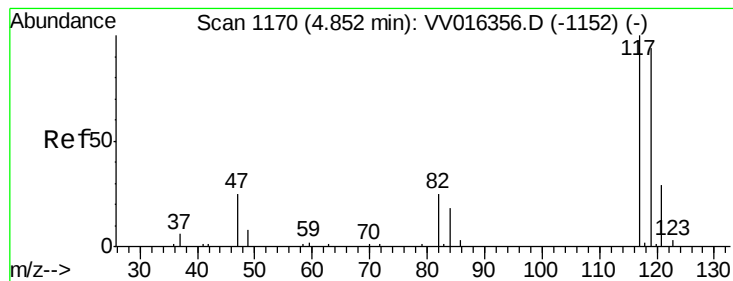
Tot Ion: 97 Resp: 46699
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 49.7 39.8 59.6



#30
 Cyclohexane
 Concen: 5.000 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Tgt Ion: 56 Resp: 49890
 Ion Ratio Lower Upper
 56 100
 69 29.4 23.5 35.3
 84 82.3 65.8 98.8





#31

Carbon tetrachloride

Concen: 5.000 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

Instrument :

MSVOA_V

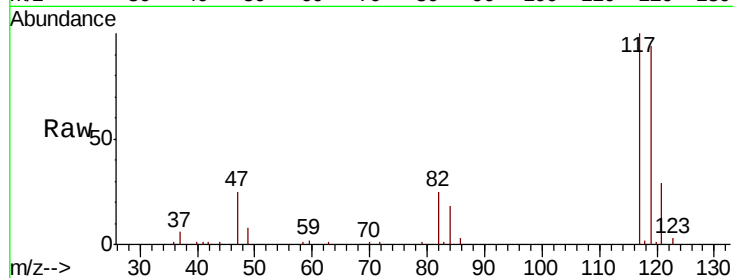
ClientSampleId :

Tot Ion:117 Resp: 40433

Ion Ratio Lower Upper

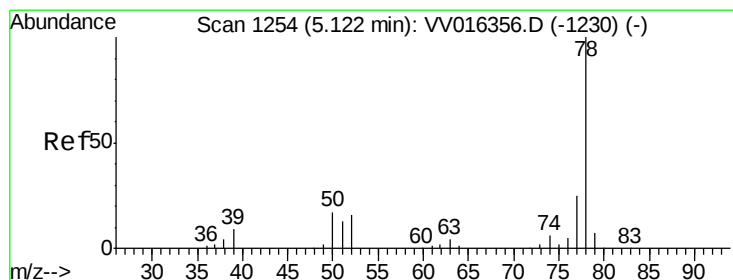
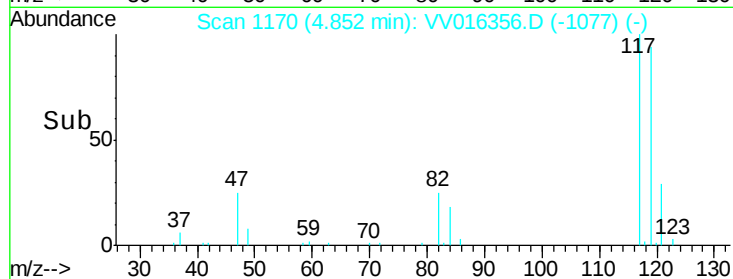
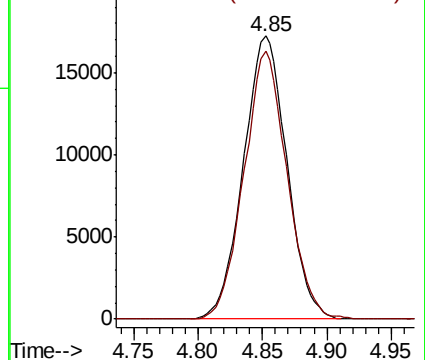
117 100

119 94.1 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.000 ug/L

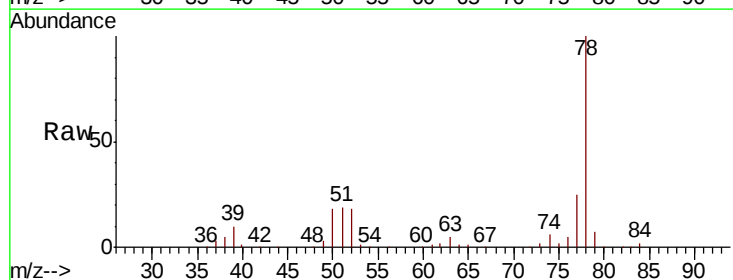
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

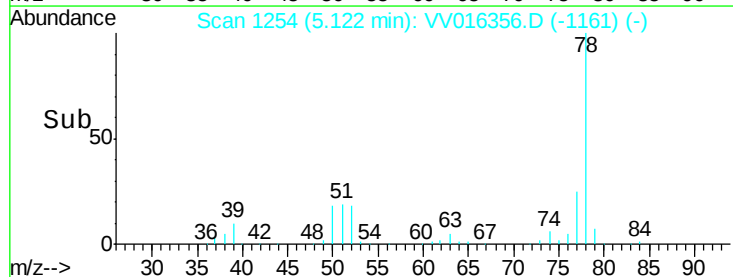
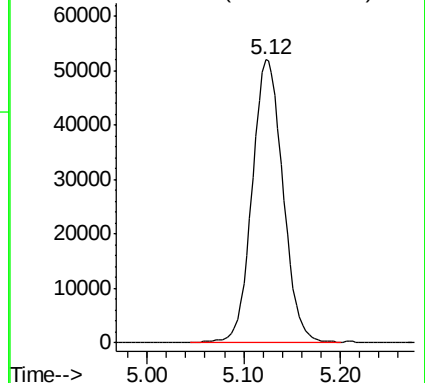
Lab File: VV016356.D

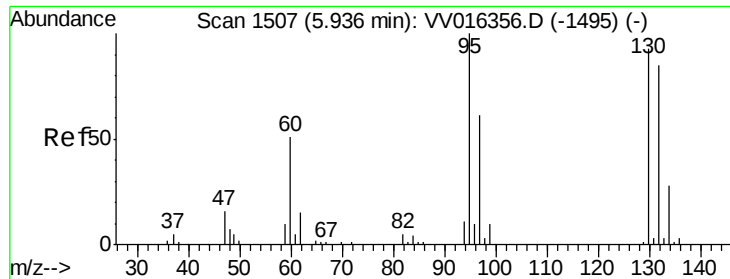
Acq: 30 May 2020 13:39

Tgt Ion: 78 Resp: 115449



Abundance Ion 78.10 (77.80 to 78.80): VV0

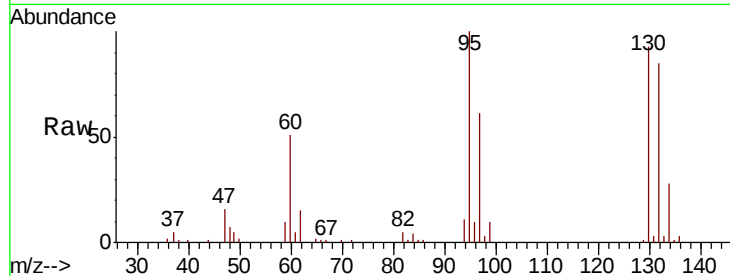




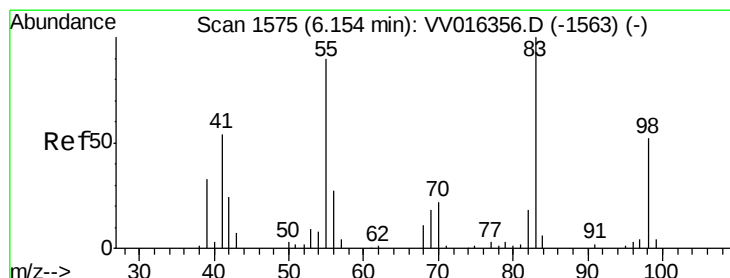
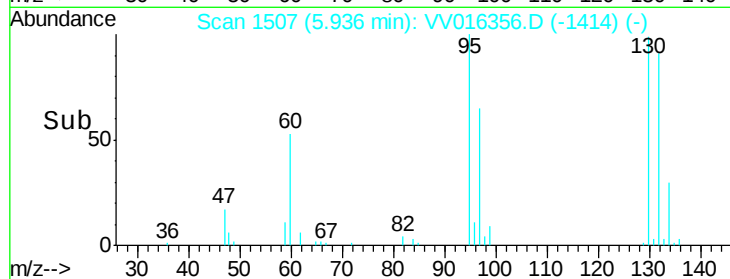
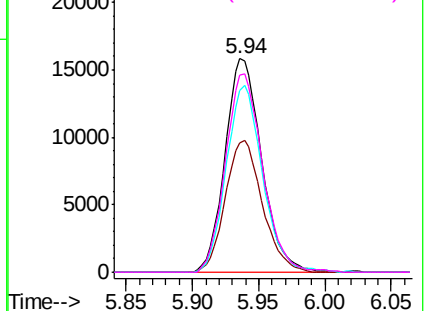
#34
 Trichloroethene
 Concen: 5.000 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 30419
 Ion Ratio Lower Upper
 95 100
 97 60.8 42.6 79.0
 132 85.2 59.6 110.8
 130 92.6 64.8 120.4

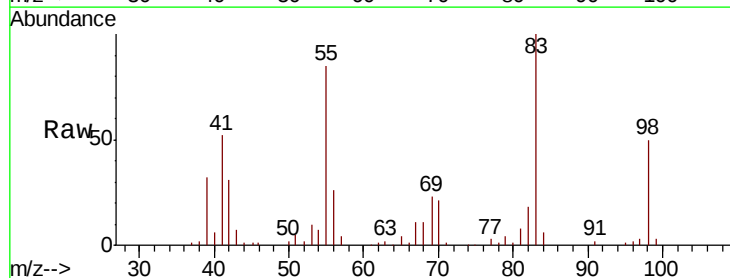


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

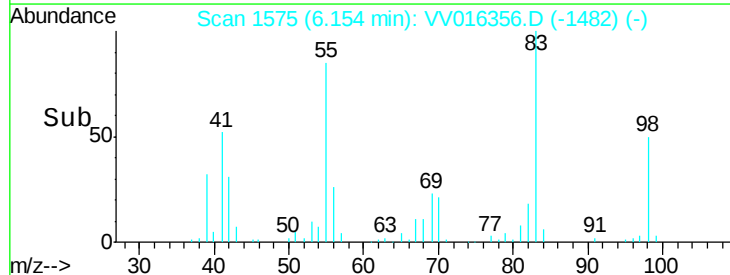
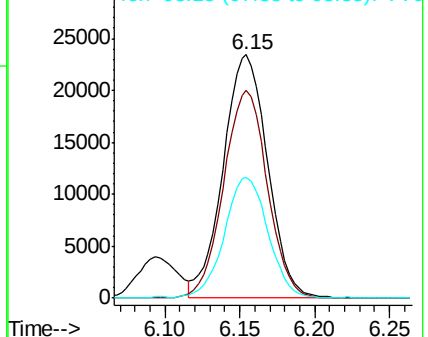


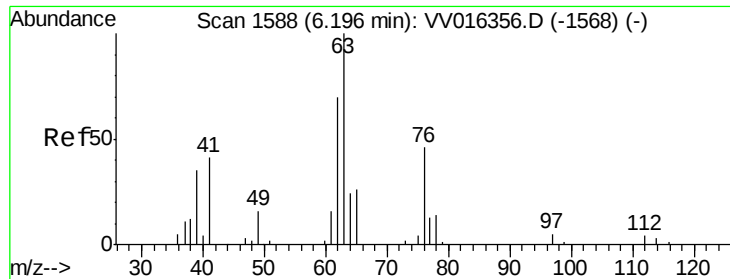
#35
 Methylcyclohexane
 Concen: 5.000 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Tgt Ion: 83 Resp: 48545
 Ion Ratio Lower Upper
 83 100
 55 83.7 67.0 100.4
 98 48.7 39.0 58.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

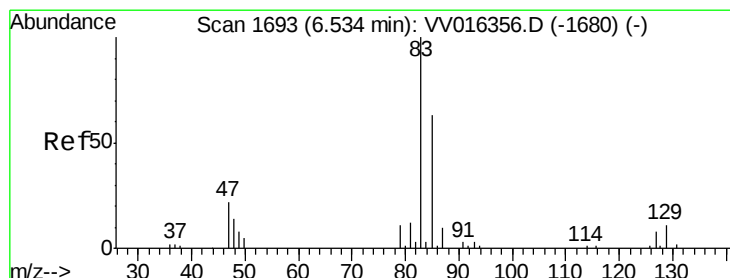
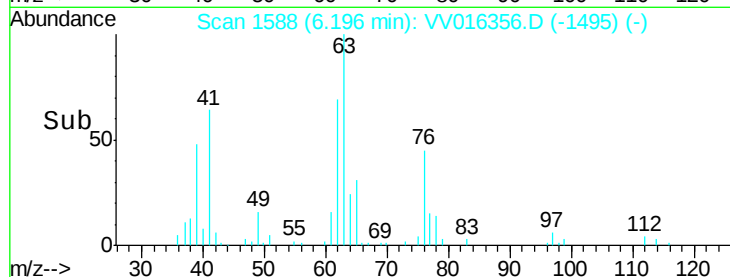
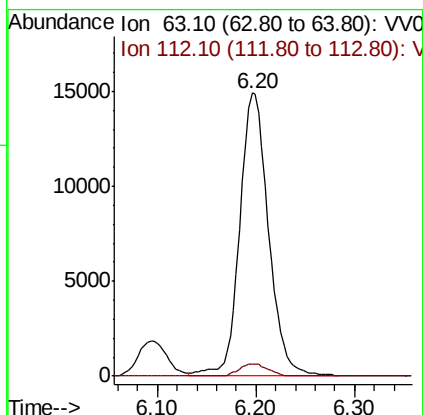
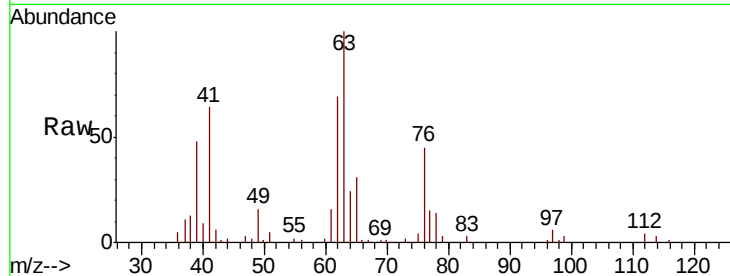




#37
 1,2-Dichloropropane
 Concen: 5.000 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

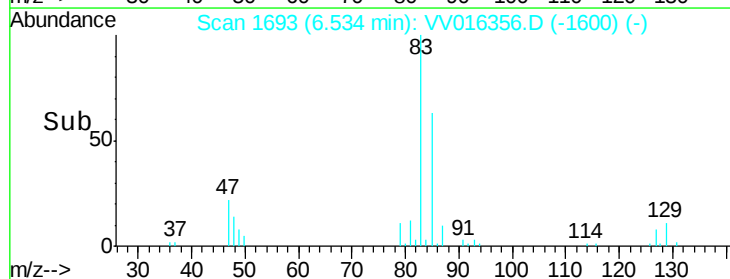
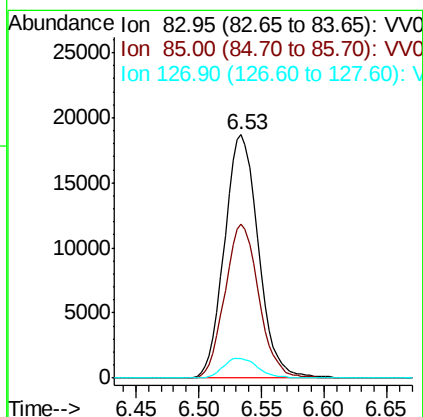
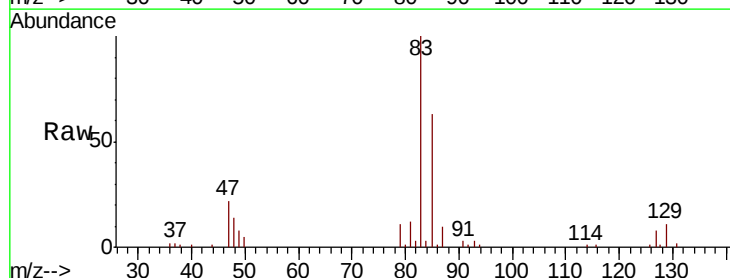
Instrument :
 MSVOA_V
 ClientSampleId :

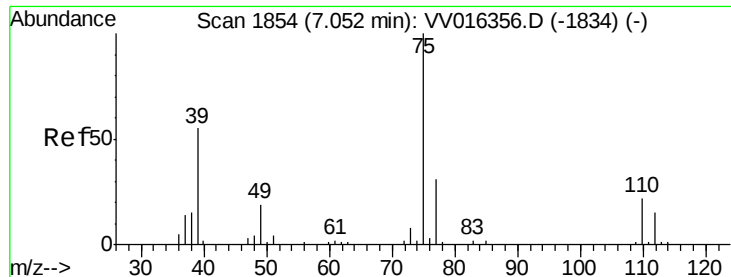
Tot Ion: 63 Resp: 30205
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.000 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Tgt Ion: 83 Resp: 35199
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.2 82.2
 127 7.9 6.3 9.5

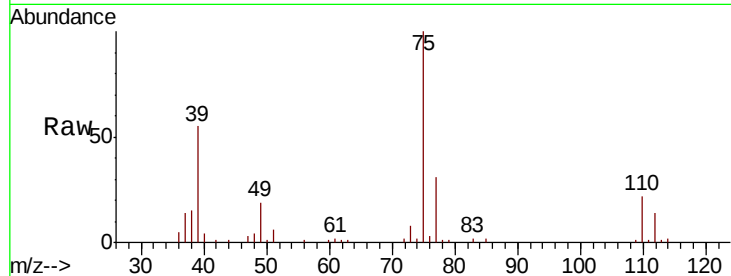




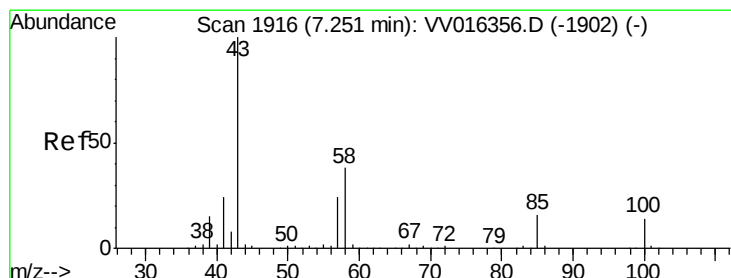
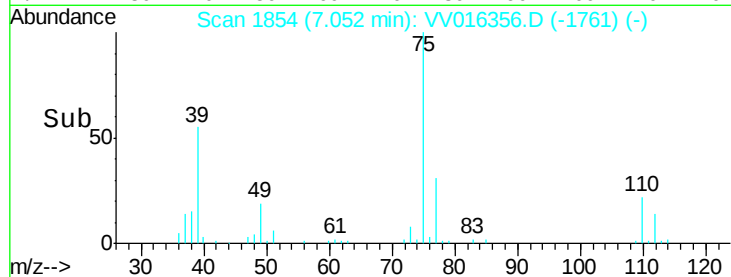
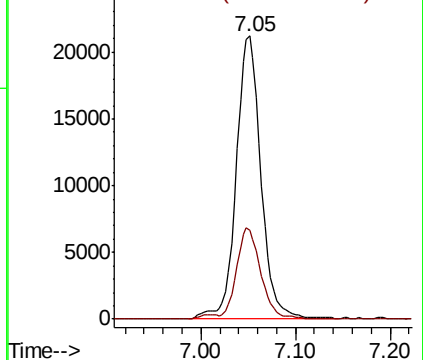
#39
 cis-1,3-Dichloropropene
 Concen: 5.000 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 38562
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0

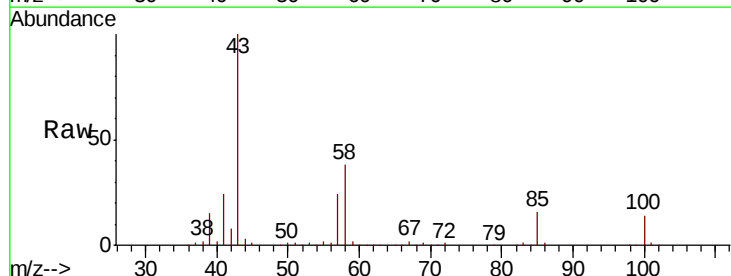


Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

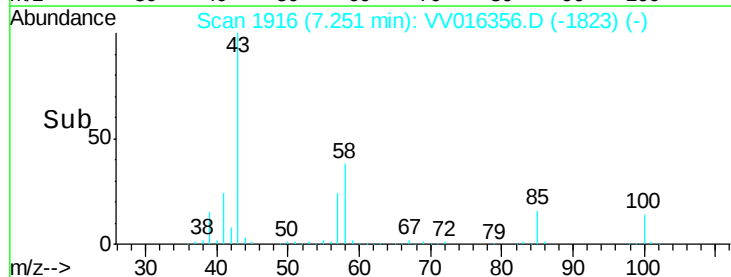
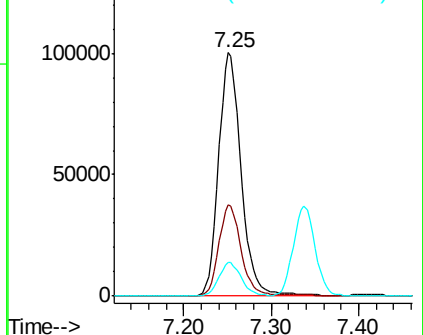


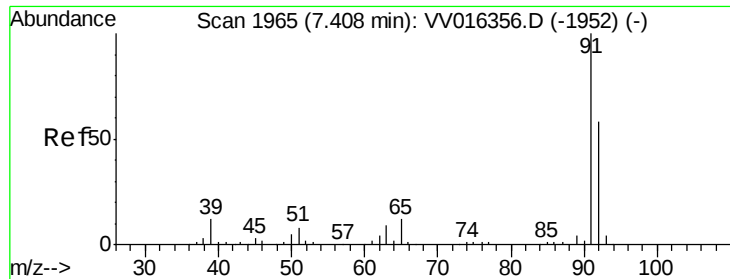
#40
 4-Methyl-2-pentanone
 Concen: 50.000 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Tgt Ion: 43 Resp: 179978
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.5 44.3
 100 13.8 11.0 16.6



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





#42

Toluene

Concen: 5.000 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

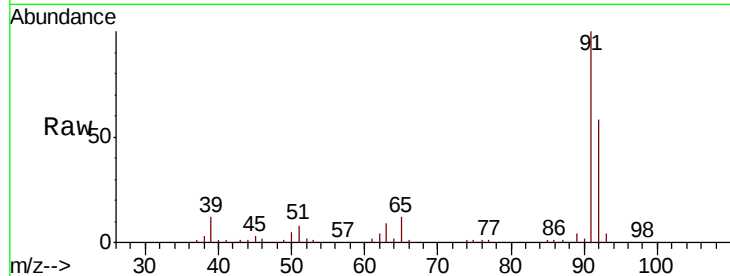
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 126595

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV016356.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016356.D (-1952) (-)

7.41

80000

60000

40000

20000

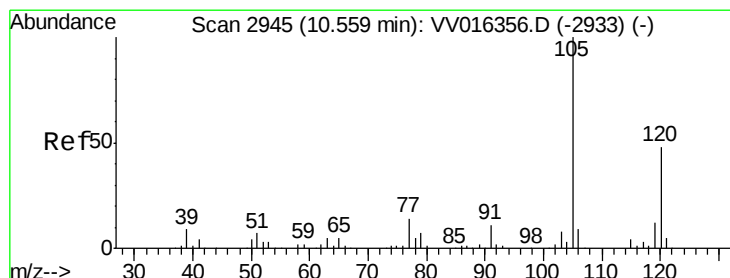
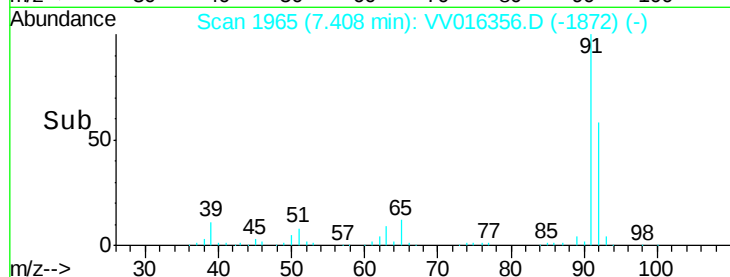
0

Time-->

7.30

7.40

7.50



#43

1,3,5-Trimethylbenzene

Concen: 5.000 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016356.D

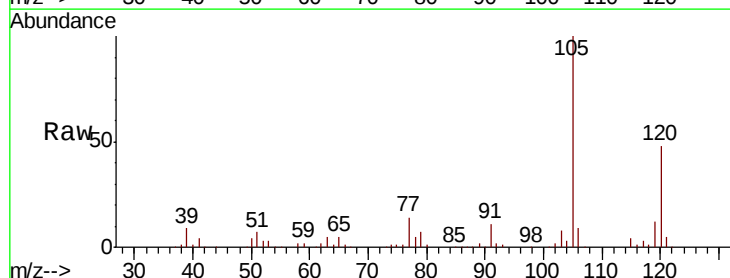
Acq: 30 May 2020 13:39

Tgt Ion:105 Resp: 116261

Ion Ratio Lower Upper

105 100

120 46.9 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): VV016356.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016356.D (-2933) (-)

10.56

80000

60000

40000

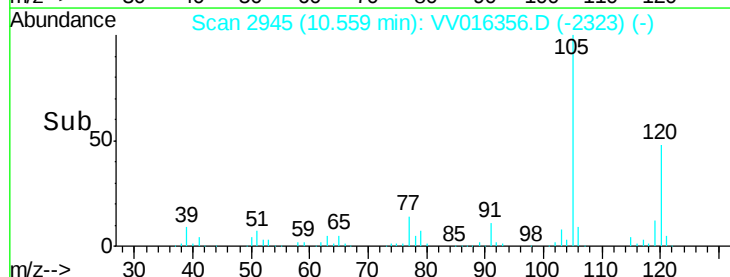
20000

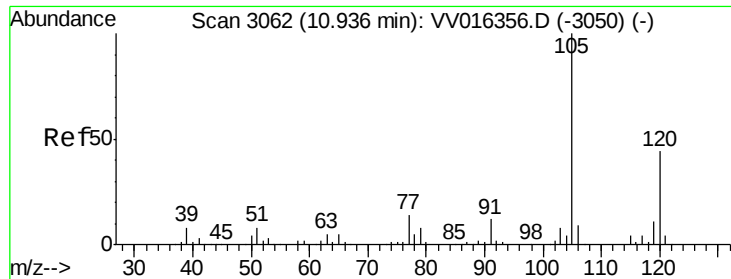
0

Time-->

10.50

10.60

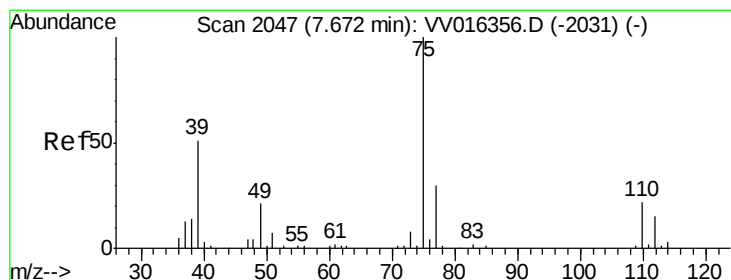
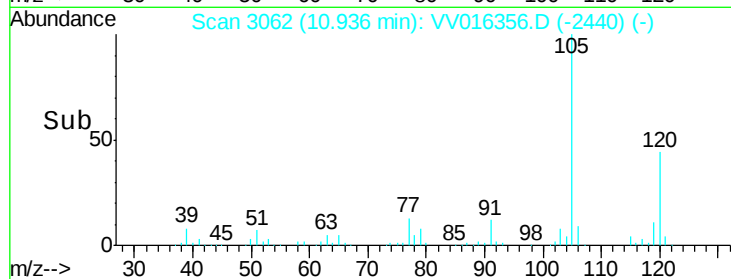
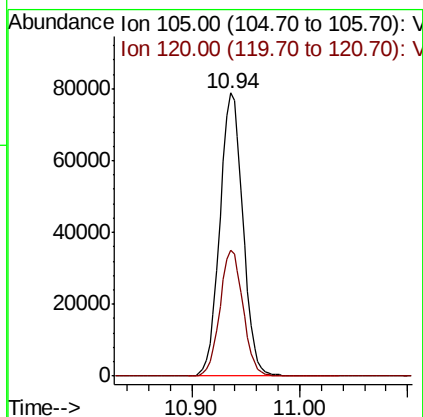
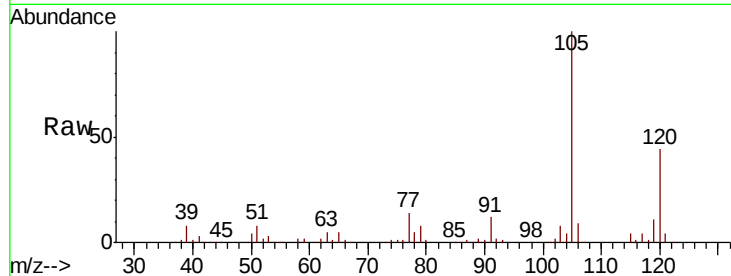




#44
 1,2,4-Trimethylbenzene
 Concen: 5.000 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

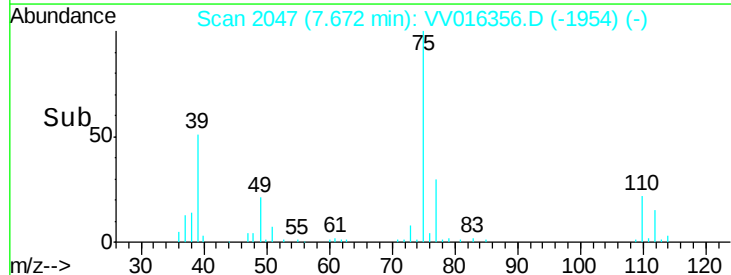
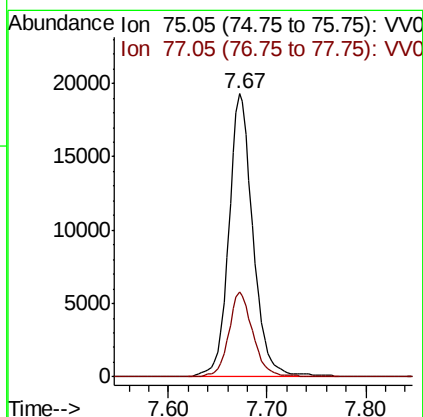
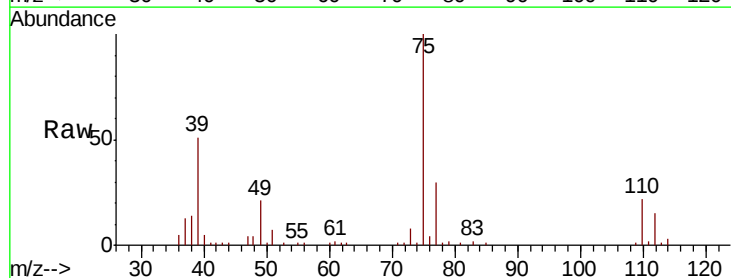
Instrument :
 MSVOA_V
 ClientSampled :

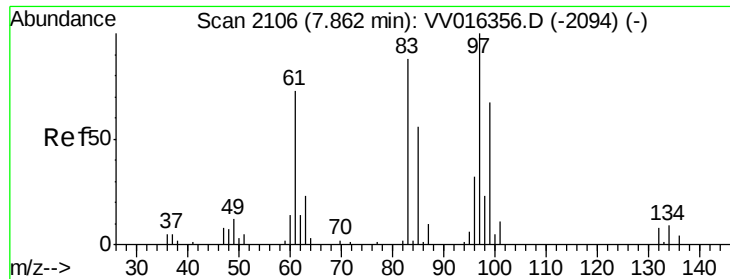
Tot Ion:105 Resp: 117530
 Ion Ratio Lower Upper
 105 100
 120 44.4 35.5 53.3



#46
 trans-1,3-Dichloropropene
 Concen: 5.000 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Tgt Ion: 75 Resp: 33140
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.1 39.3

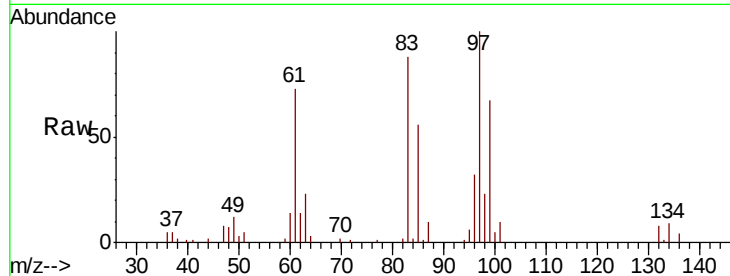




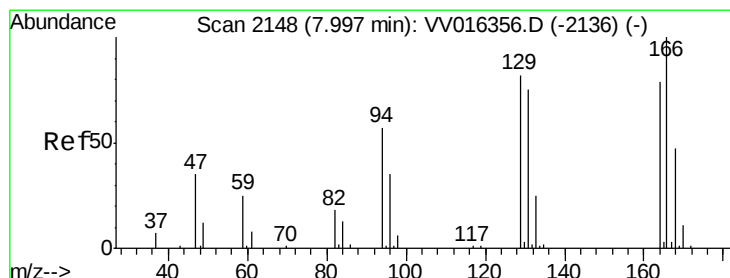
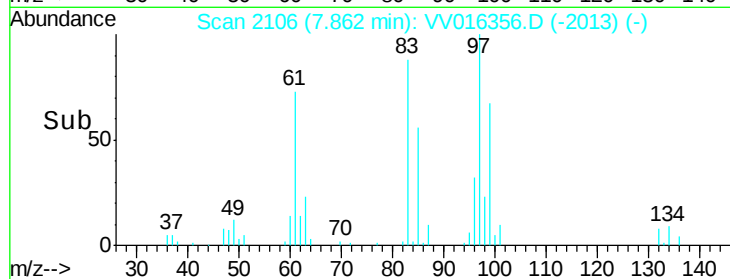
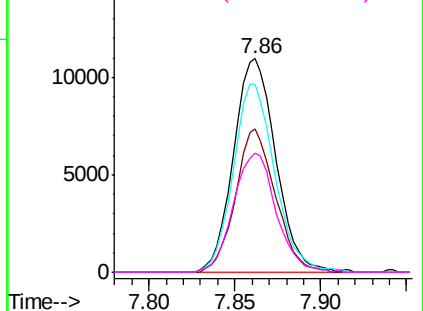
#47
 1,1,2-Trichloroethane
 Concen: 5.000 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	18772
Ion	Ratio	Lower	Upper
97	100		
99	67.1	47.0	87.2
83	88.1	61.7	114.5
85	55.8	39.1	72.5

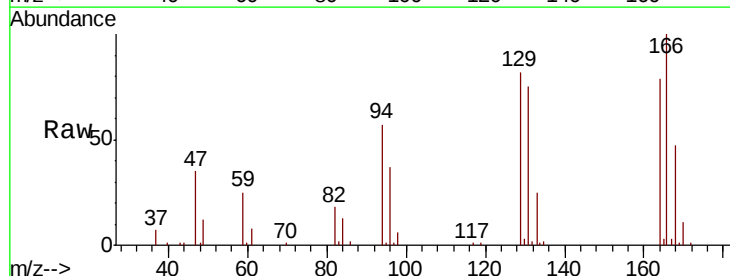


Abundance Ion 96.95 (96.65 to 97.65): VV016356.D (-2094) (-)
 Ion 99.05 (98.75 to 99.75): VV016356.D (-2094) (-)
 Ion 82.95 (82.65 to 83.65): VV016356.D (-2094) (-)
 Ion 85.00 (84.70 to 85.70): VV016356.D (-2094) (-)

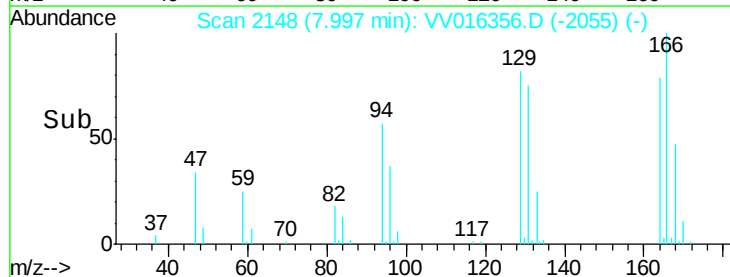
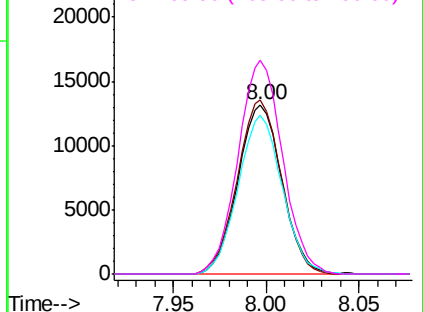


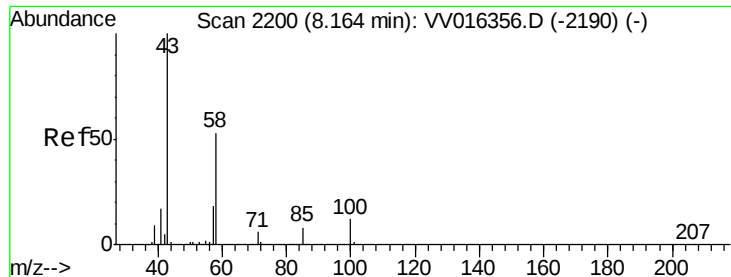
#49
 Tetrachloroethene
 Concen: 5.000 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Tgt Ion:	164	Resp:	21747
Ion	Ratio	Lower	Upper
164	100		
129	103.1	72.2	134.0
131	94.0	65.8	122.2
166	126.1	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): VV016356.D (-2136) (-)
 Ion 128.95 (128.65 to 129.65): VV016356.D (-2136) (-)
 Ion 130.95 (130.65 to 131.65): VV016356.D (-2136) (-)
 Ion 165.90 (165.60 to 166.60): VV016356.D (-2136) (-)

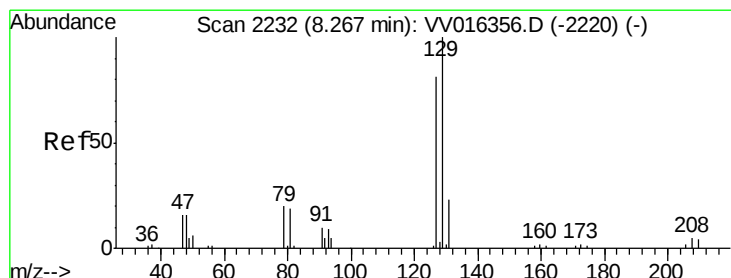
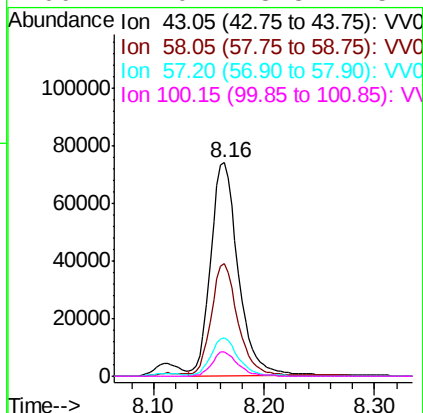
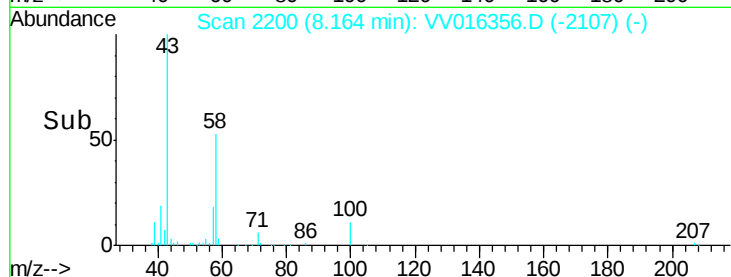
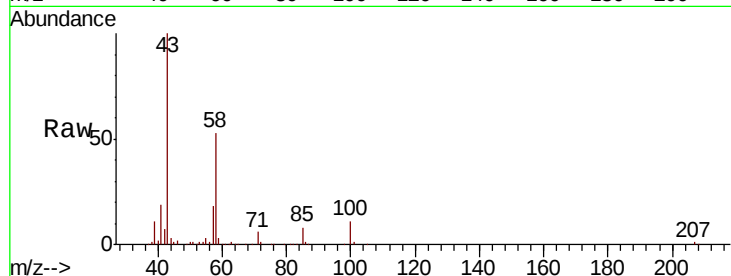




#50
2-Hexanone
Concen: 50.000 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

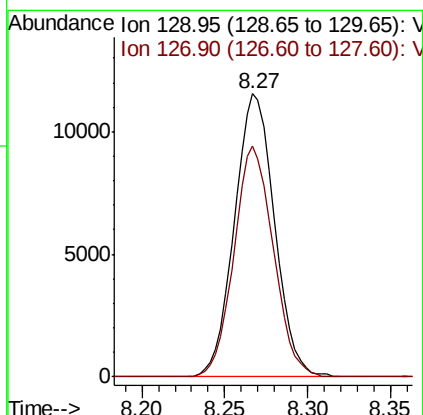
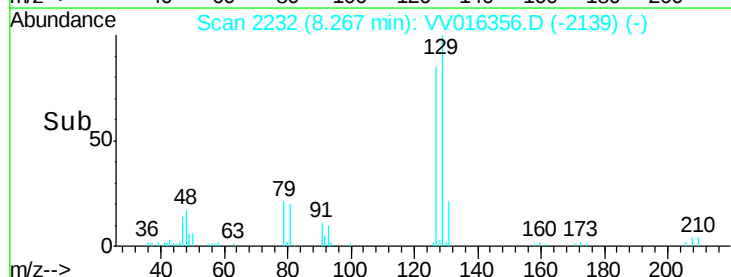
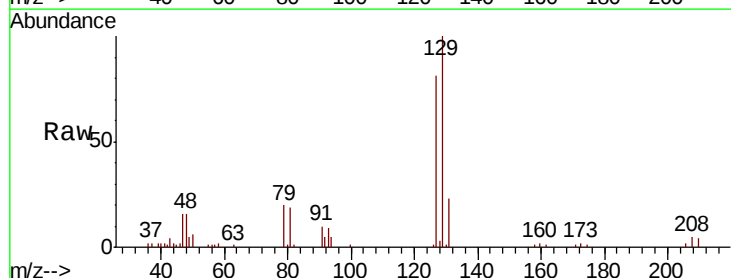
Instrument :
MSVOA_V
ClientSampled :

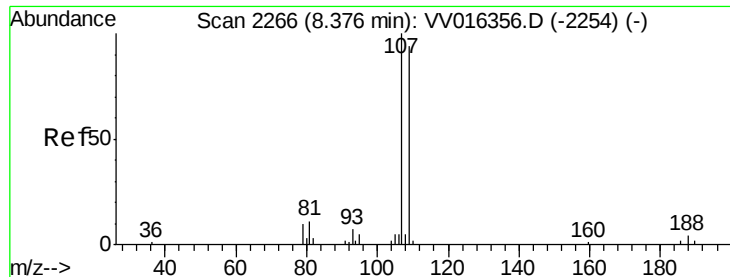
Tot Ion: 43 Resp: 127926
Ion Ratio Lower Upper
43 100
58 51.4 41.1 61.7
57 17.8 14.2 21.4
100 11.0 8.8 13.2



#51
Dibromochloromethane
Concen: 5.000 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

Tgt Ion: 129 Resp: 19425
Ion Ratio Lower Upper
129 100
127 81.4 57.0 105.8

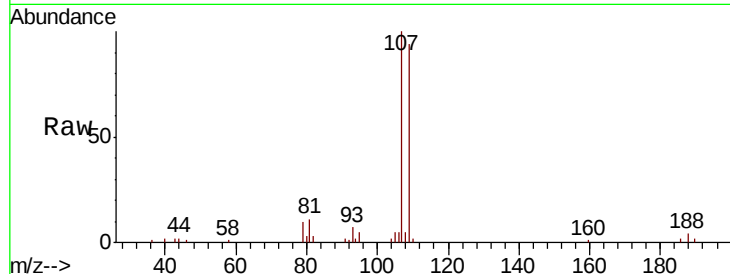




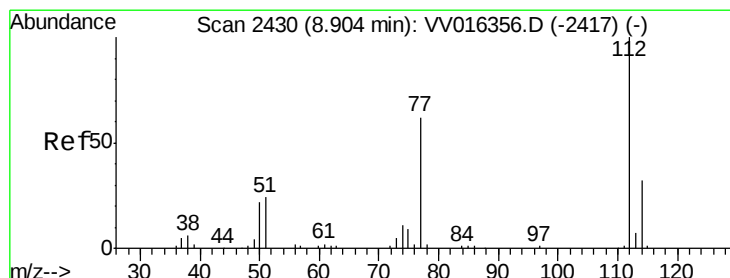
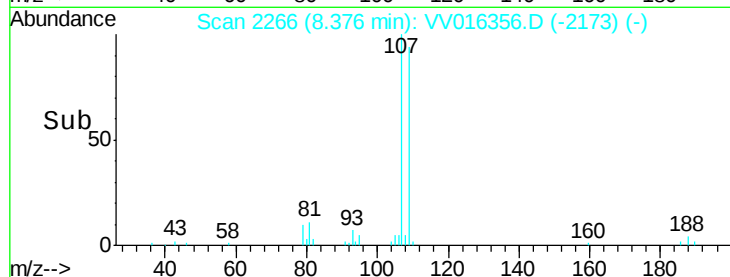
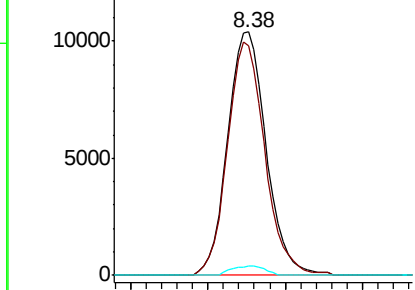
#52
 1,2-Dibromoethane
 Concen: 5.000 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	65.9	122.3
188	3.7	3.0	4.4

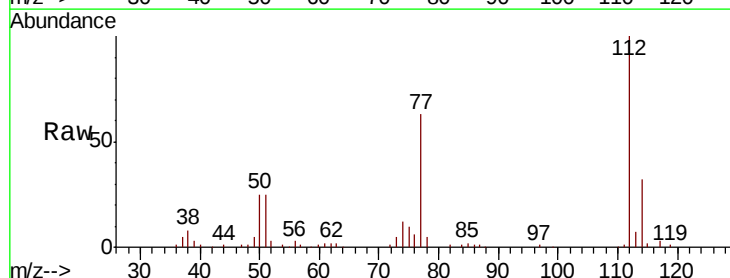


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

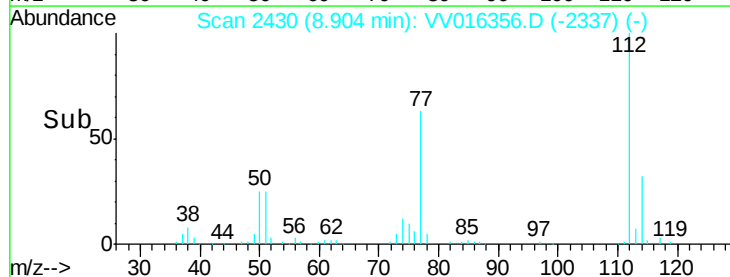
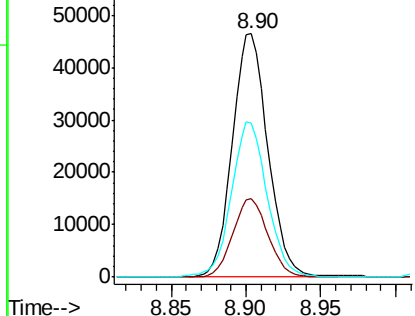


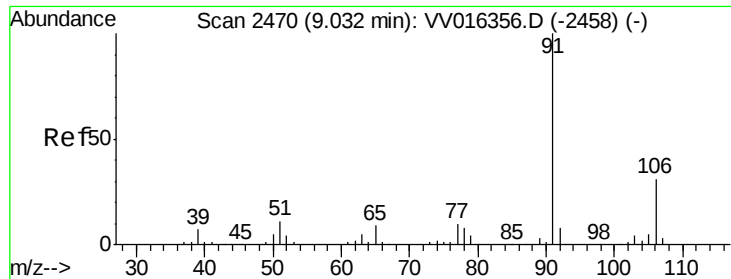
#53
 Chlorobenzene
 Concen: 5.000 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.6	42.0
77	63.1	50.5	75.7



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





#54

Ethylbenzene

Concen: 5.000 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

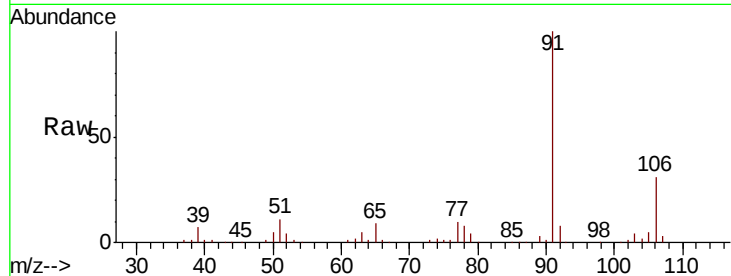
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 139291

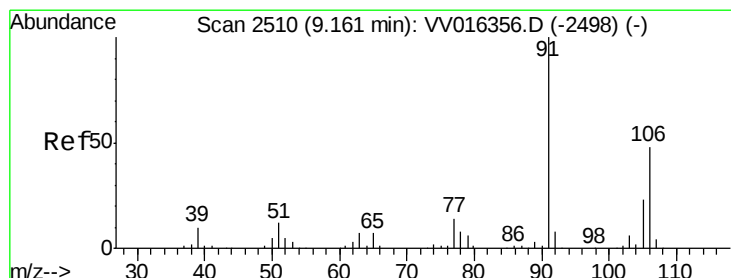
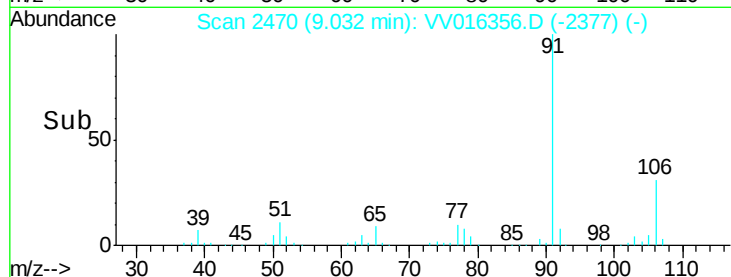
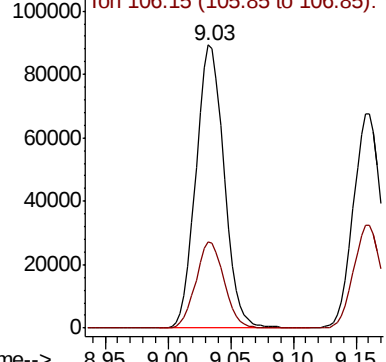
Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VV016356.D (-2458) (-)



#55

m,p-xylene

Concen: 5.000 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016356.D

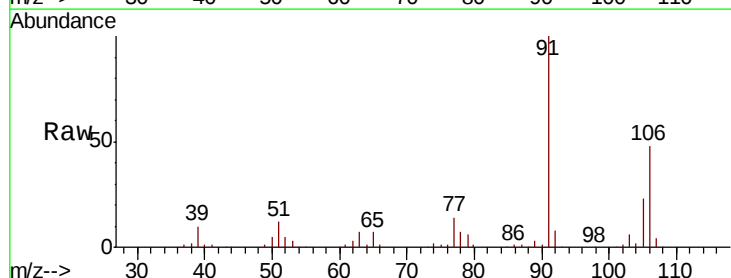
Acq: 30 May 2020 13:39

Tgt Ion: 106 Resp: 52208

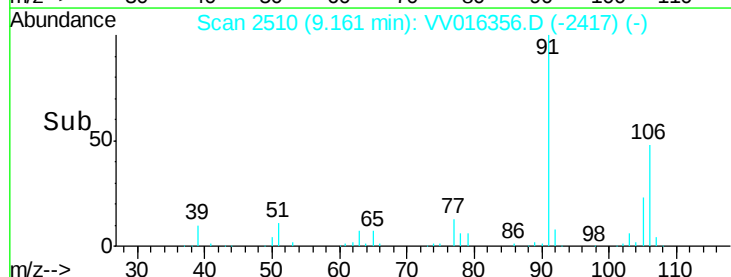
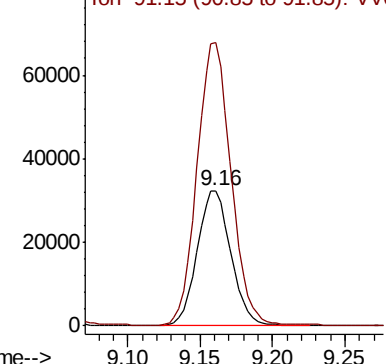
Ion Ratio Lower Upper

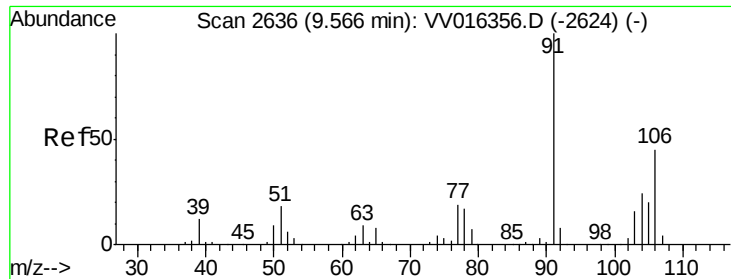
106 100

91 209.4 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VV016356.D (-2498) (-)

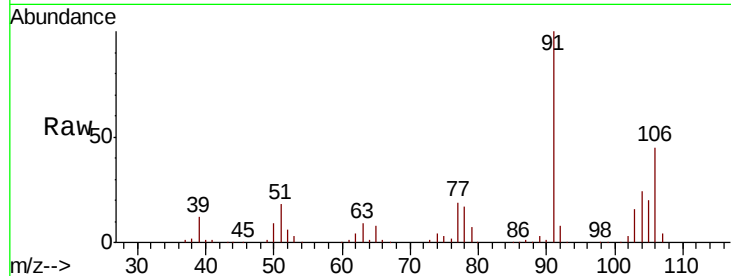




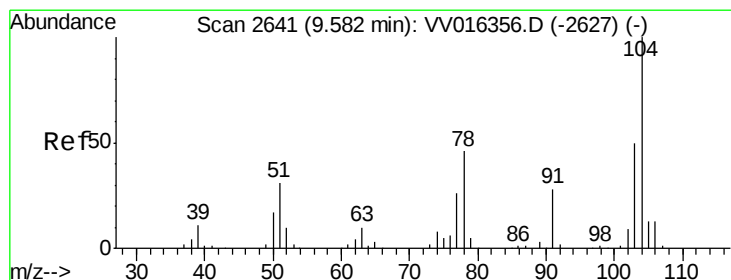
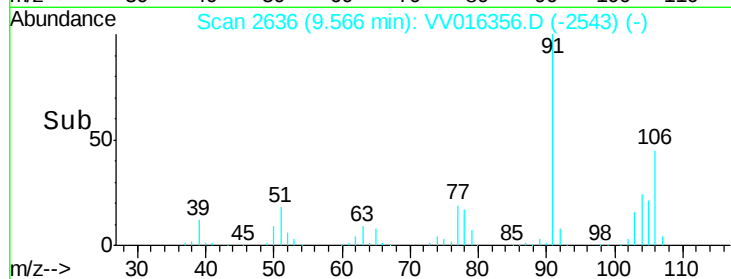
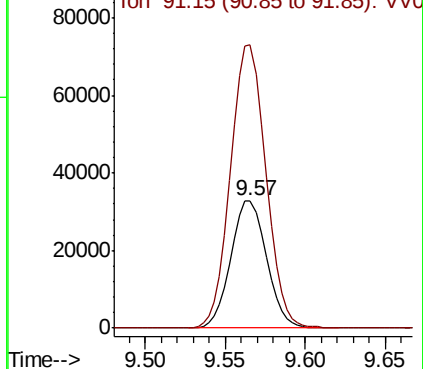
#56
o-xylene
Concen: 5.000 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 49960
Ion Ratio Lower Upper
106 100
91 221.7 155.2 288.2

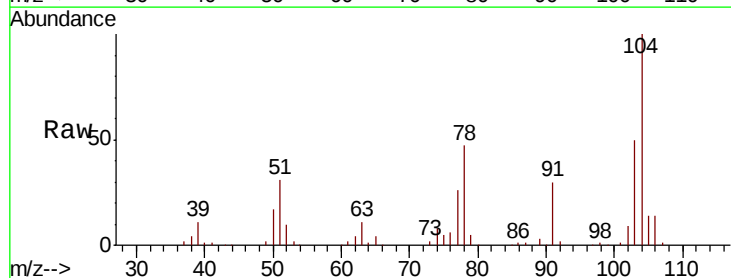


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

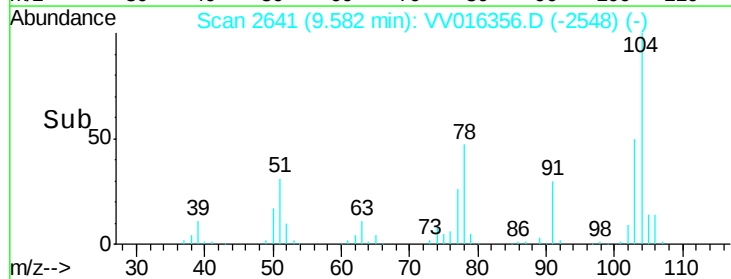
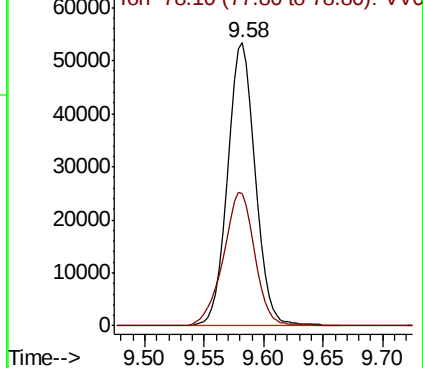


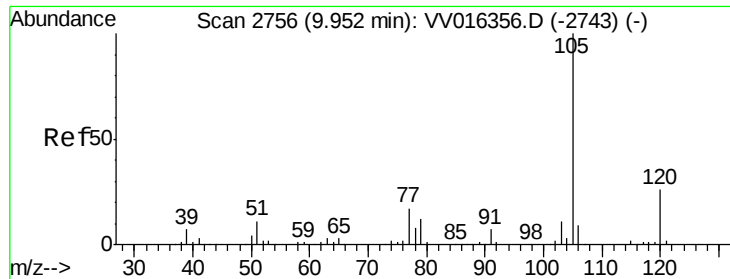
#57
Styrene
Concen: 5.000 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016356.D
Acq: 30 May 2020 13:39

Tgt Ion:104 Resp: 86135
Ion Ratio Lower Upper
104 100
78 46.6 32.6 60.6



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 5.000 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

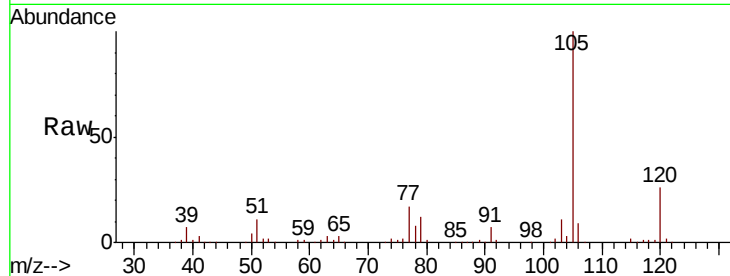
Tot Ion:105 Resp: 134880

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

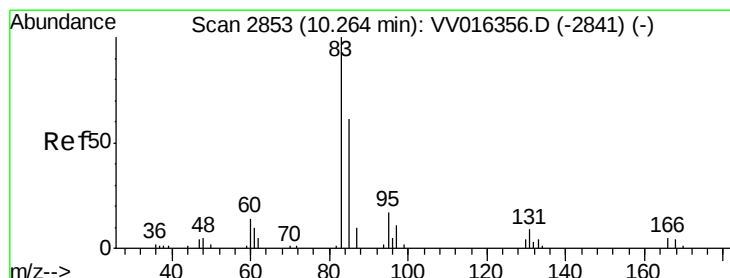
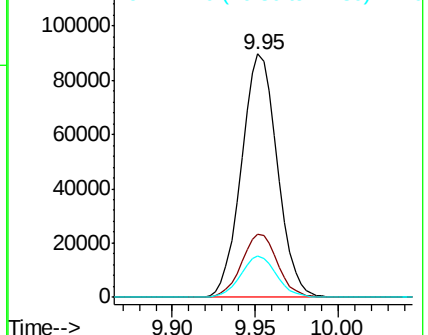
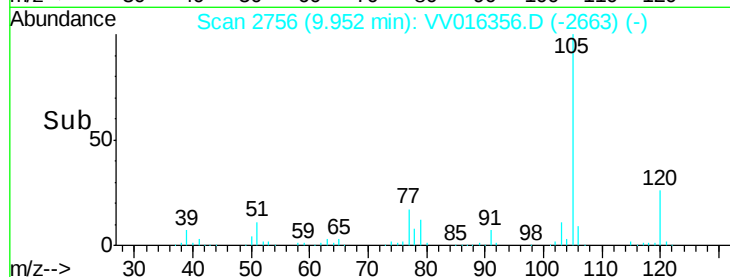
77 16.8 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.000 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

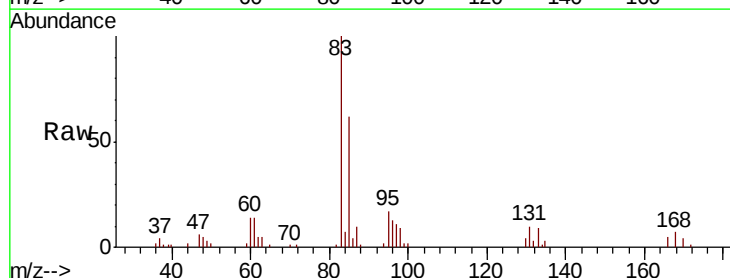
Tgt Ion: 83 Resp: 23324

Ion Ratio Lower Upper

83 100

85 62.4 43.7 81.1

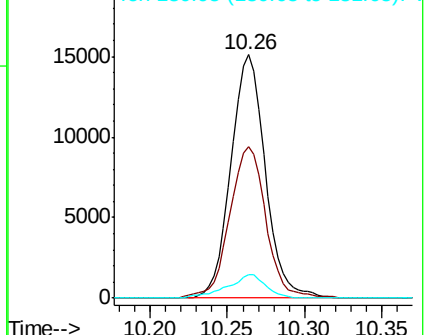
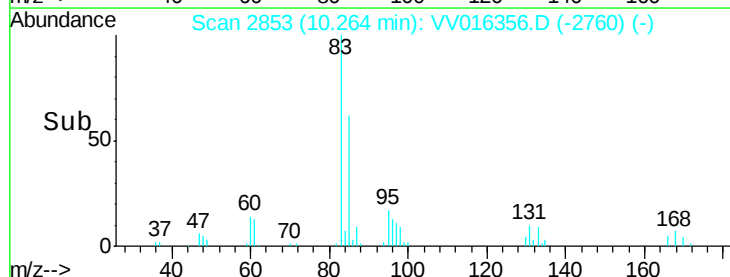
131 9.7 7.8 11.6

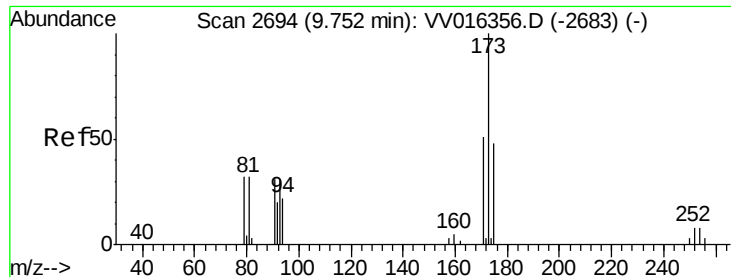


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.000 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

Instrument :
MSVOA_V
ClientSampleId :

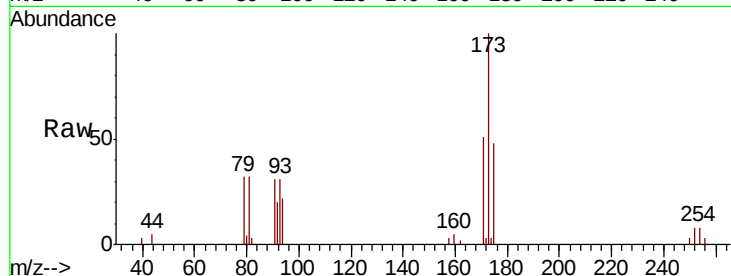
Tot Ion:173 Resp: 8126

Ion Ratio Lower Upper

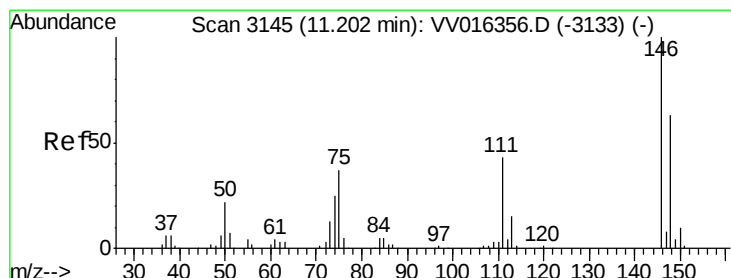
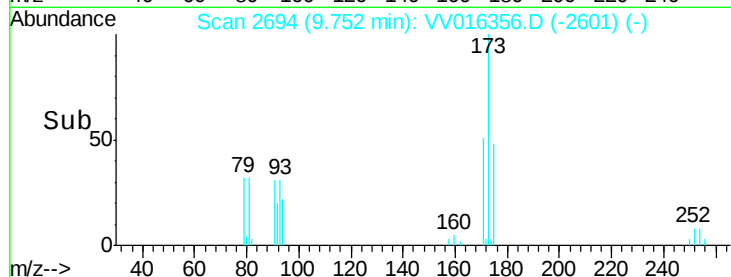
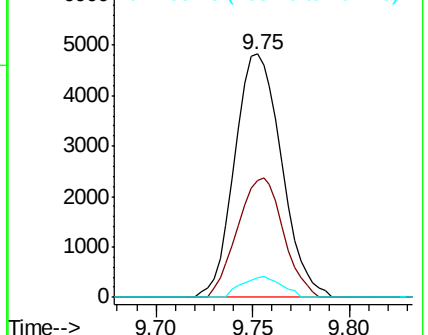
173 100

175 47.9 38.3 57.5

254 7.2 5.8 8.6



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



#63

1,3-Dichlorobenzene

Concen: 5.000 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

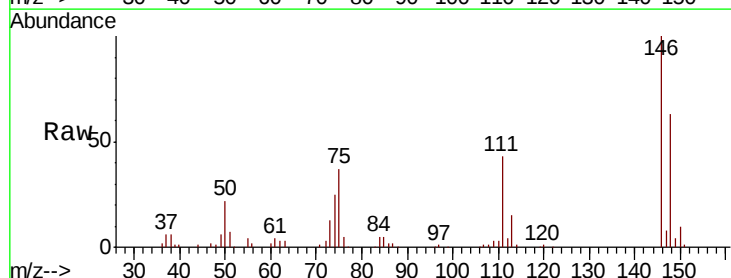
Tgt Ion:146 Resp: 60539

Ion Ratio Lower Upper

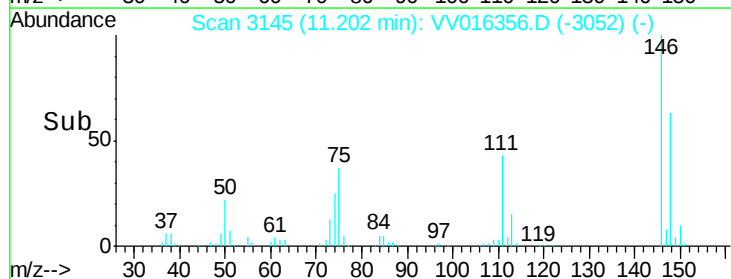
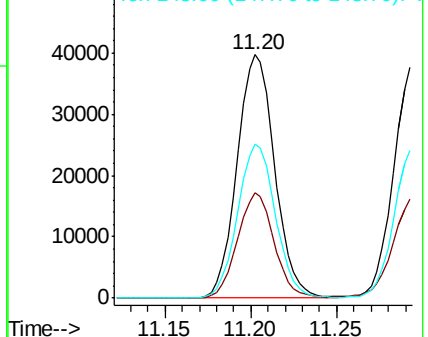
146 100

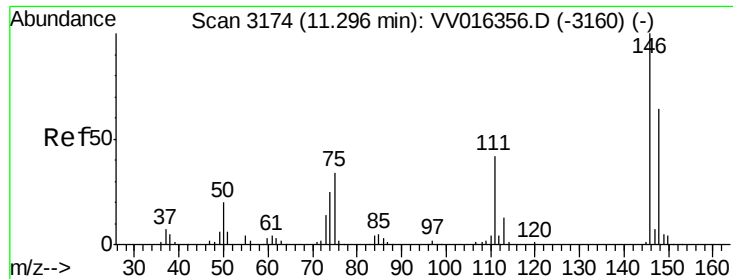
111 43.3 30.3 56.3

148 63.3 44.3 82.3



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





#64

1,4-Dichlorobenzene

Concen: 5.000 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016356.D

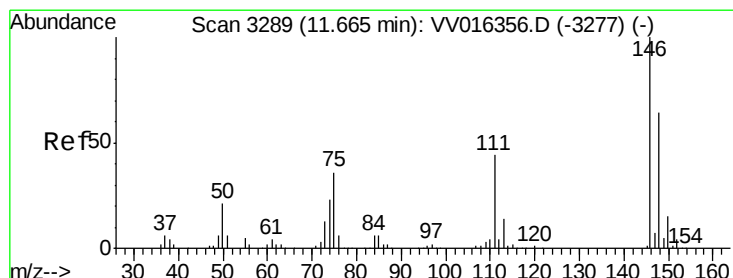
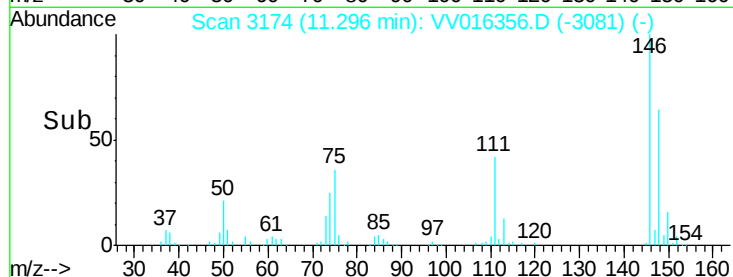
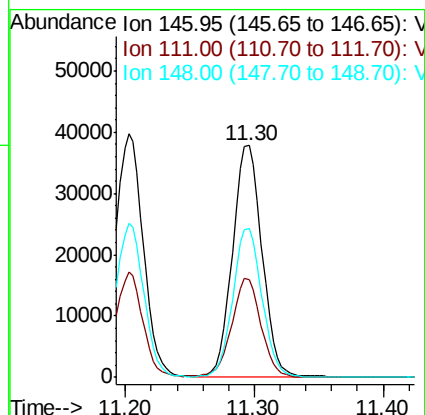
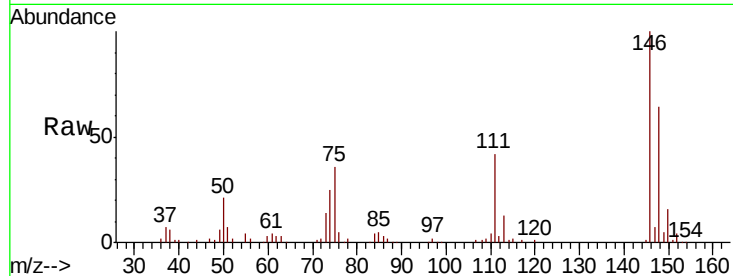
Acq: 30 May 2020 13:39

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	60255
Ion	Ratio	Lower Upper
146	100	
111	42.3	29.6 55.0
148	63.9	44.7 83.1



#66

1,2-Dichlorobenzene

Concen: 5.000 ug/L

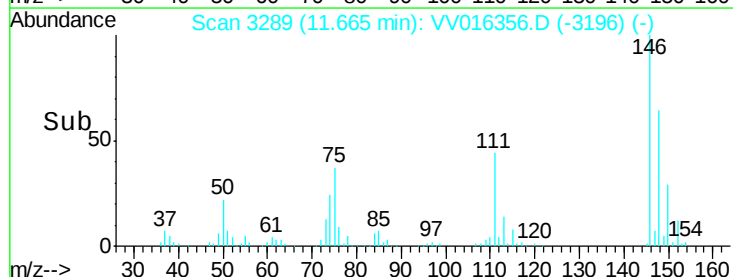
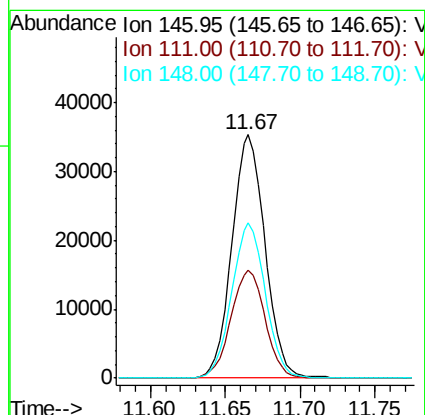
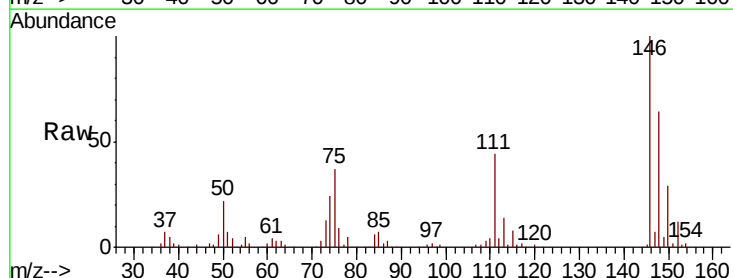
RT: 11.67 min Scan# 3289

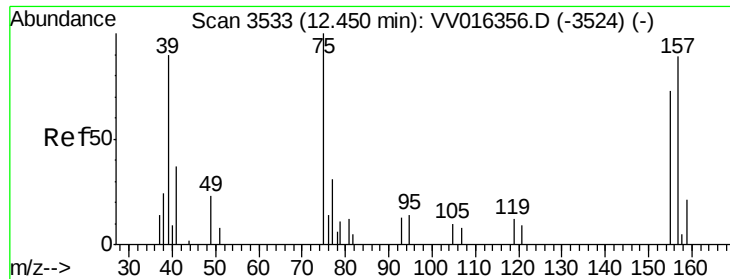
Delta R.T. 0.00 min

Lab File: VV016356.D

Acq: 30 May 2020 13:39

Tgt Ion:146	Resp:	54371
Ion	Ratio	Lower Upper
146	100	
111	44.3	35.4 53.2
148	63.7	51.0 76.4

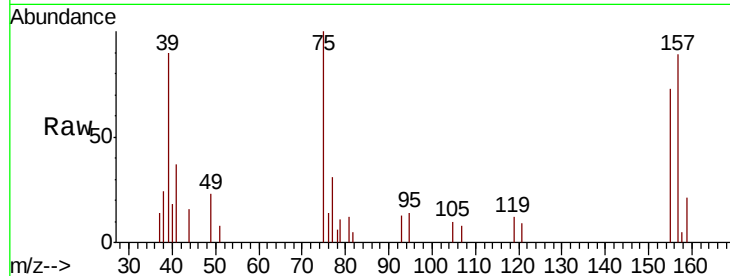




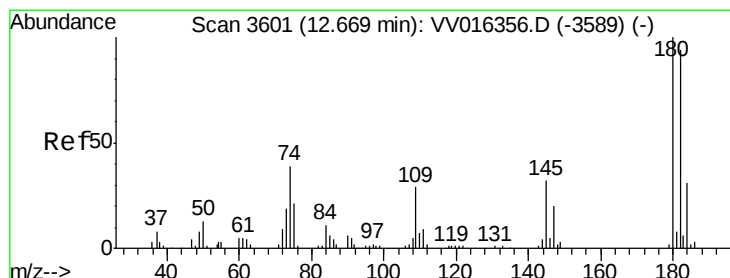
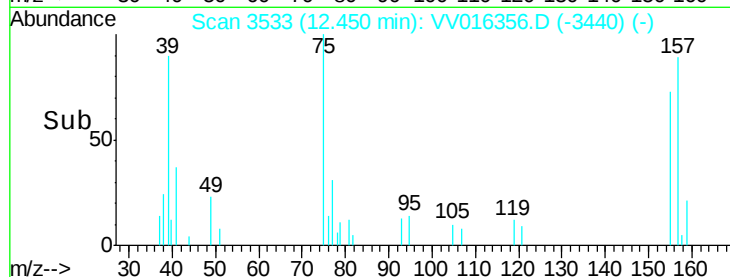
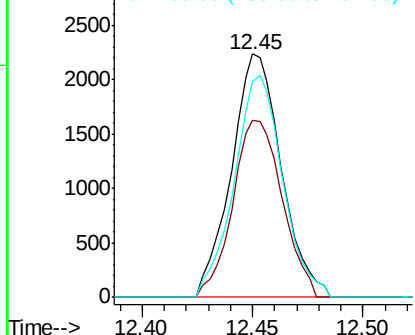
#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.000 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 3514
 Ion Ratio Lower Upper
 75 100
 155 72.6 58.1 87.1
 157 88.7 71.0 106.4

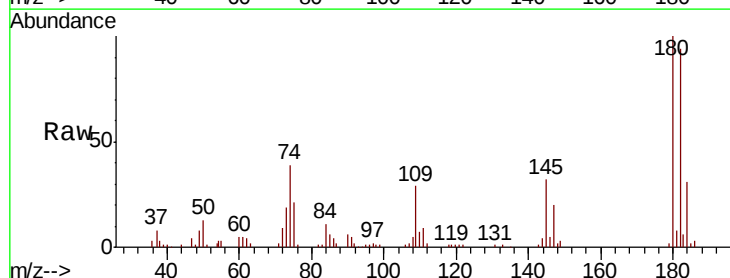


Abundance Ion 75.05 (74.75 to 75.75): VV016356.D (-3524) (-)
 Ion 154.95 (154.65 to 155.65): VV016356.D (-3524) (-)
 Ion 156.90 (156.60 to 157.60): VV016356.D (-3524) (-)

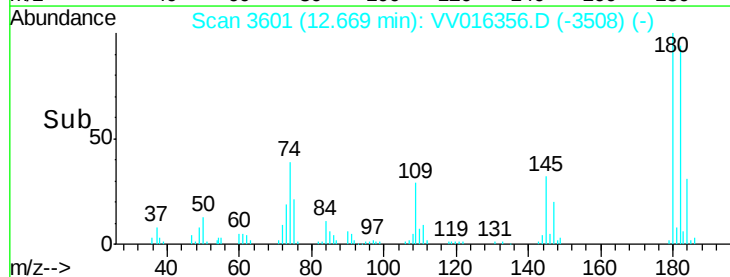
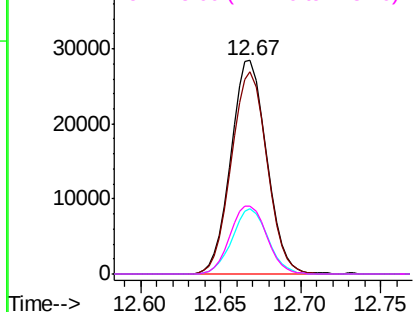


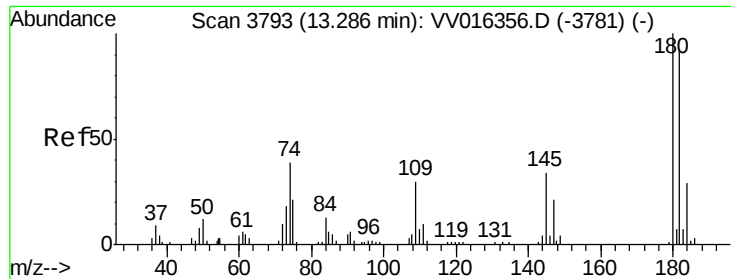
#68
 1,3,5-Trichlorobenzene
 Concen: 5.000 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Tgt Ion: 180 Resp: 43196
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.5 113.3
 184 30.2 24.2 36.2
 145 32.7 26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): VV016356.D (-3589) (-)
 Ion 182.00 (181.70 to 182.70): VV016356.D (-3589) (-)
 Ion 184.00 (183.70 to 184.70): VV016356.D (-3589) (-)
 Ion 145.00 (144.70 to 145.70): VV016356.D (-3589) (-)

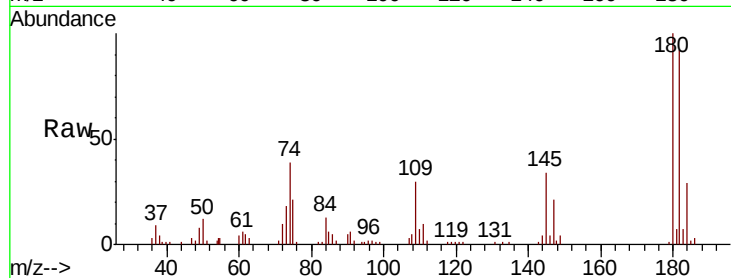




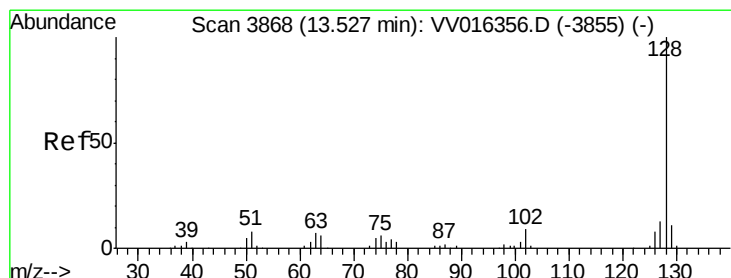
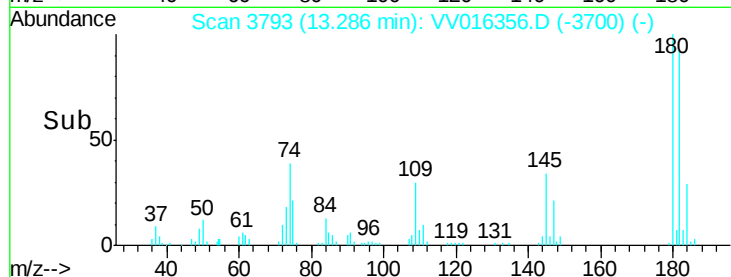
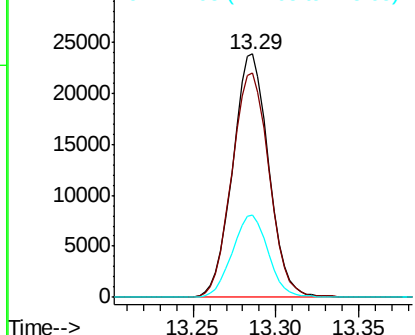
#69
 1,2,4-trichlorobenzene
 Concen: 5.000 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 35923
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.4 114.6
 145 33.6 26.9 40.3

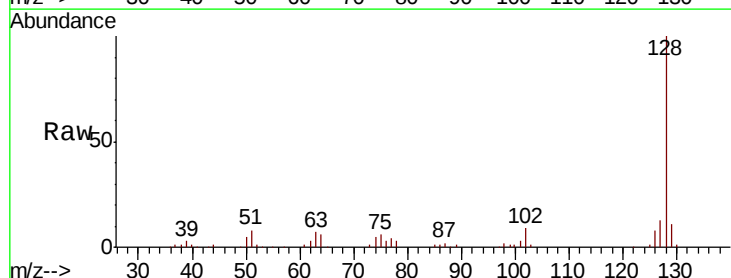


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

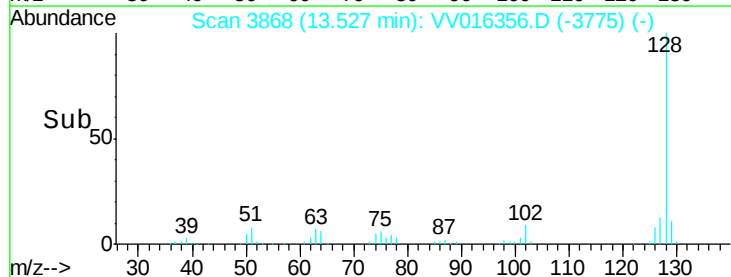
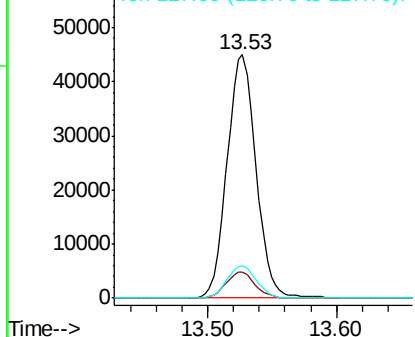


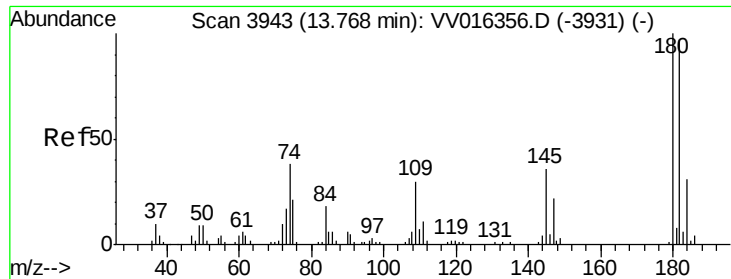
#70
 Naphthalene
 Concen: 5.000 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Tgt Ion:128 Resp: 69924
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.6 12.8
 127 13.4 10.7 16.1



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

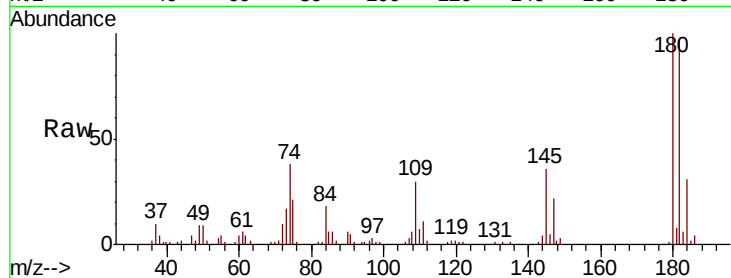




#71
 1,2,3-Trichlorobenzene
 Concen: 5.000 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016356.D
 Acq: 30 May 2020 13:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 32659
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.1 112.7
 145 35.6 28.5 42.7



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

