

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040620\
 Data File : VV015408.D
 Acq On : 06 Apr 2020 13:08
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 07 02:07:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 07 02:01:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	97744	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	95904	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	44559	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.33	65	3367	0.45	ug/L	0.00
7) Chloroethane-d5	1.61	69	3361	0.57	ug/L	0.02
11) 1,1-Dichloroethene-d2	2.15	63	7829	0.59	ug/L	0.02
20) 2-Butanone-d5	4.01	46	2722	1.75	ug/L	0.00
24) Chloroform-d	4.40	84	7071	0.53	ug/L	0.02
26) 1,2-Dichloroethane-d4	5.07	65	2831	0.40	ug/L	0.00
32) Benzene-d6	5.08	84	10223	0.37	ug/L	0.01
36) 1,2-Dichloropropane-d6	6.12	67	3256	0.40	ug/L	0.02
41) Toluene-d8	7.36	98	10092	0.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1318	0.41	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	5305	4.06	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	2457	0.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	4003	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.15	85	4276	0.411 ug/L	100
3) Chloromethane	1.26	50	4775	0.489 ug/L	92
5) Vinyl chloride	1.34	62	4852	0.525 ug/L	86
6) Bromomethane	1.56	94	3297	0.618 ug/L	95
8) Chloroethane	1.63	64	2854	0.541 ug/L	89
9) Trichlorofluoromethane	1.79	101	7153	0.559 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	4573	0.656 ug/L	95
12) 1,1-Dichloroethene	2.16	96	4619	0.700 ug/L	99
13) Acetone	2.28	43	6064	5.779 ug/L	95
14) Carbon disulfide	2.33	76	14418	0.652 ug/L	95
15) Methyl Acetate	2.50	43	1538	0.549 ug/L #	77
16) Methylene chloride	2.55	84	7049	0.882 ug/L	95
17) Methyl tert-butyl Ether	2.83	73	10238	0.599 ug/L #	95
18) trans-1,2-Dichloroethene	2.80	96	5032	0.655 ug/L	93
19) 1,1-Dichloroethane	3.24	63	8216	0.559 ug/L	97
21) 2-Butanone	4.09	43	4271	2.410 ug/L #	32
22) cis-1,2-Dichloroethene	3.96	96	5086	0.621 ug/L #	91
23) Bromochloromethane	4.29	128	1974	0.595 ug/L #	92
25) Chloroform	4.42	83	9788	0.649 ug/L	98
27) 1,2-Dichloroethane	5.18	62	3681	0.436 ug/L	96
29) 1,1,1-Trichloroethane	4.64	97	8055	0.619 ug/L	100
30) Cyclohexane	4.70	56	7316	0.516 ug/L #	88
31) Carbon tetrachloride	4.86	117	7870	0.701 ug/L	91
33) Benzene	5.14	78	12281	0.399 ug/L	100
34) Trichloroethene	5.95	95	3812	0.475 ug/L	93
35) Methylcyclohexane	6.16	83	6502	0.470 ug/L	90
37) 1,2-Dichloropropane	6.23	63	2999	0.396 ug/L #	87
38) Bromodichloromethane	6.57	83	4022	0.425 ug/L #	87
39) cis-1,3-Dichloropropene	7.08	75	4335	0.386 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	15688	3.517 ug/L	97

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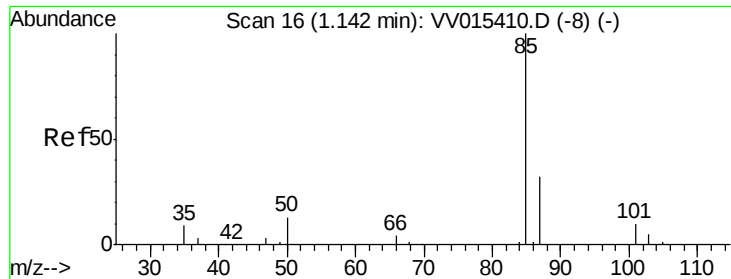
Instrument :
 MSVOA_V
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Quant Time: Apr 07 02:07:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040620WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.43	91	14923	0.462	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	3788	0.433	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	2282	0.459	ug/L	97
47) Tetrachloroethene	8.01	164	2651	0.421	ug/L	90
48) 2-Hexanone	8.19	43	10774	3.392	ug/L #	97
49) Dibromochloromethane	8.29	129	2526	0.448	ug/L	89
50) 1,2-Dibromoethane	8.39	107	2092	0.440	ug/L #	98
51) Chlorobenzene	8.92	112	9855	0.477	ug/L	97
52) Ethylbenzene	9.05	91	16772	0.454	ug/L	98
53) m,p-xylene	9.17	106	6355	0.465	ug/L	97
54) o-xylene	9.57	106	6342	0.478	ug/L	99
55) Styrene	9.59	104	10009	0.451	ug/L	98
56) Isopropylbenzene	9.96	105	16769	0.468	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.27	83	2570	0.419	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	1923	0.428	ug/L	89
61) Bromoform	9.76	173	1091	0.432	ug/L #	92
62) 1,3-Dichlorobenzene	11.21	146	7756	0.520	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	7874	0.515	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	6525	0.476	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	512	0.549	ug/L #	77
67) 1,3,5-Trichlorobenzene	12.67	180	5366	0.458	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	4808	0.476	ug/L	99
69) Naphthalene	13.53	128	14924	0.875	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	3874	0.431	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 0.411 ug/L

RT: 1.15 min Scan# 17

Delta R.T. 0.00 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

MSVOA_V

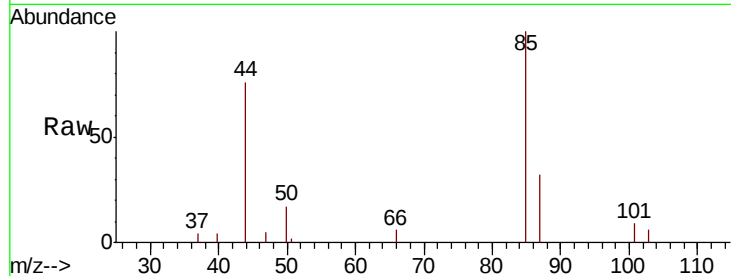
ClientSampleId :

Tot Ion: 85 Resp: 4276

Ion Ratio Lower Upper

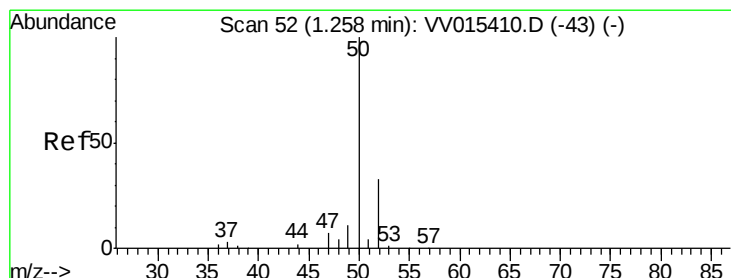
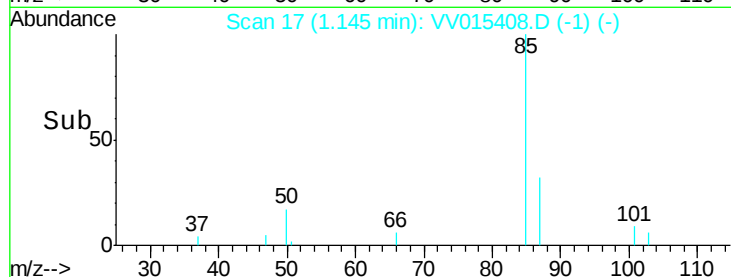
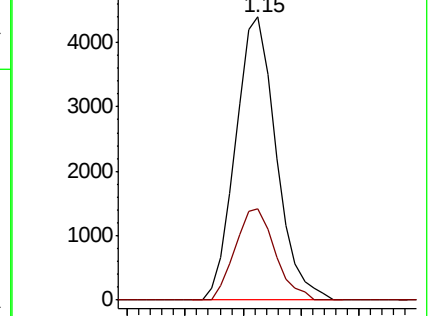
85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.489 ug/L

RT: 1.26 min Scan# 54

Delta R.T. 0.01 min

Lab File: VV015408.D

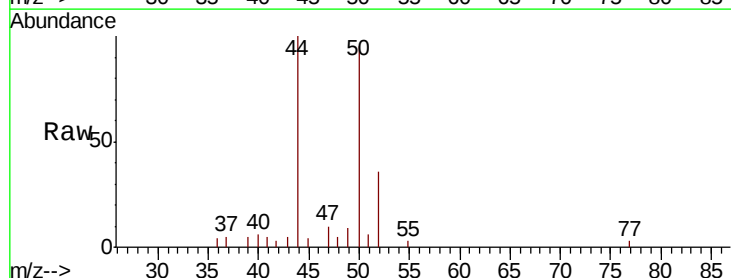
Acq: 06 Apr 2020 13:08

Tgt Ion: 50 Resp: 4775

Ion Ratio Lower Upper

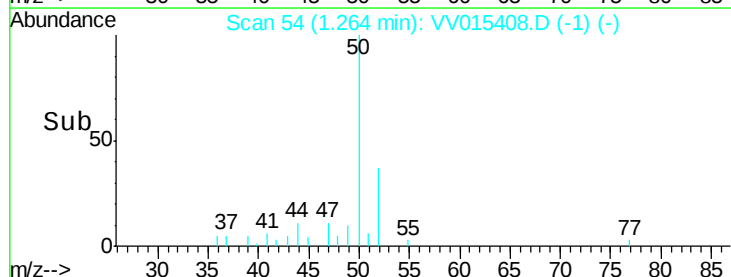
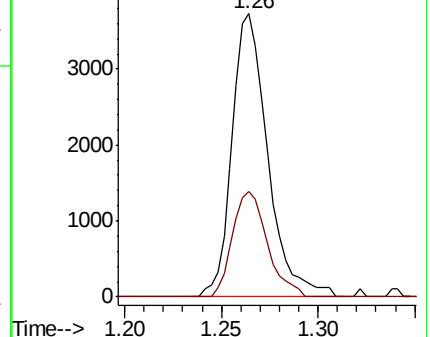
50 100

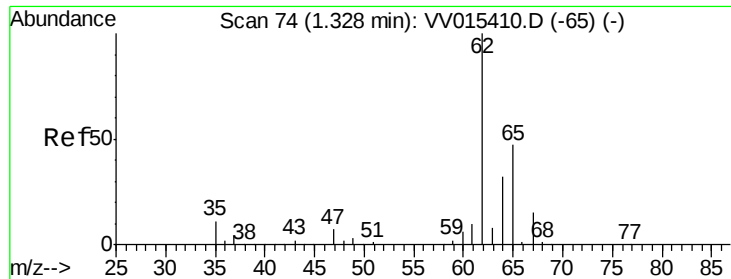
52 37.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.525 ug/L

RT: 1.34 min Scan# 77

Delta R.T. 0.01 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

MSVOA_V

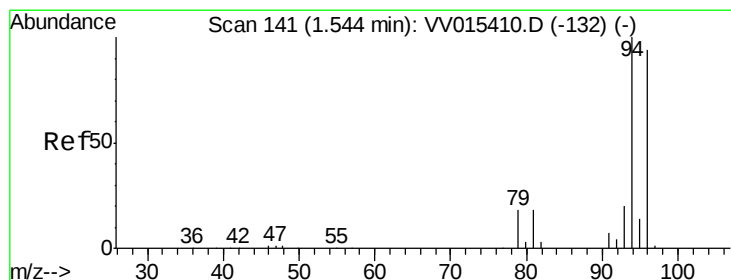
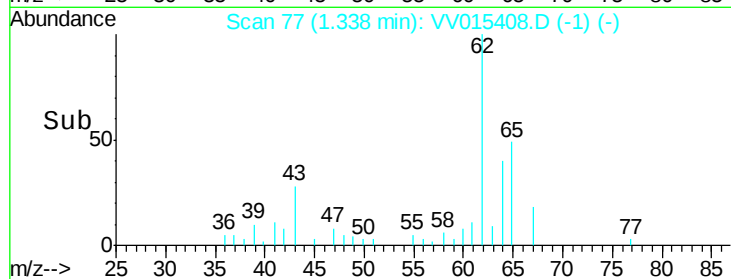
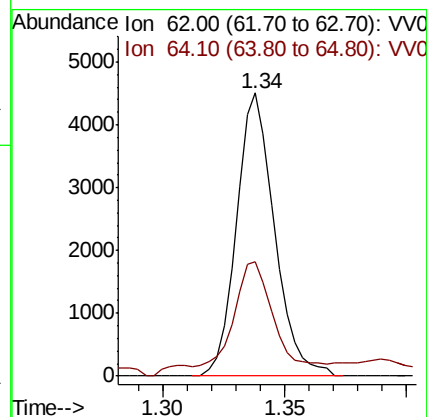
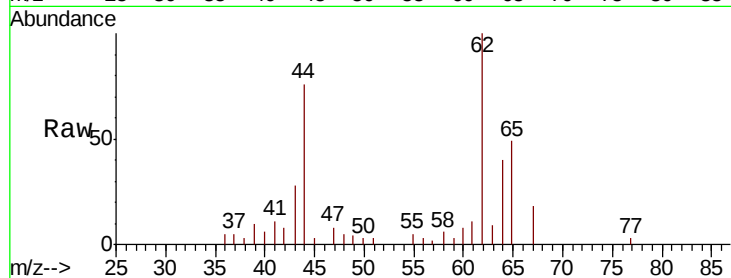
ClientSampled :

Tot Ion: 62 Resp: 4852

Ion Ratio Lower Upper

62 100

64 40.2 22.7 42.3



#6

Bromomethane

Concen: 0.618 ug/L

RT: 1.56 min Scan# 146

Delta R.T. 0.02 min

Lab File: VV015408.D

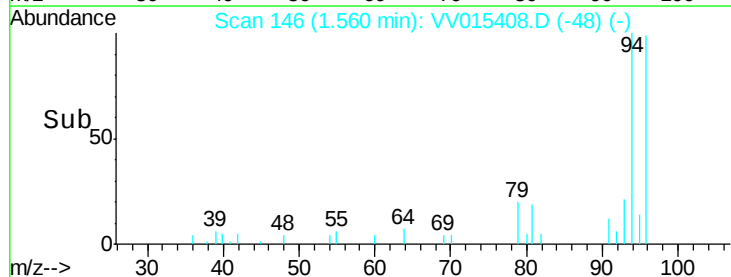
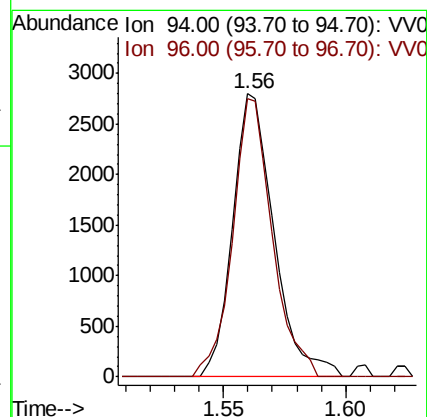
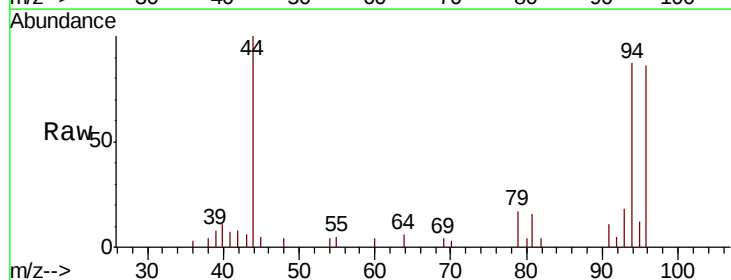
Acq: 06 Apr 2020 13:08

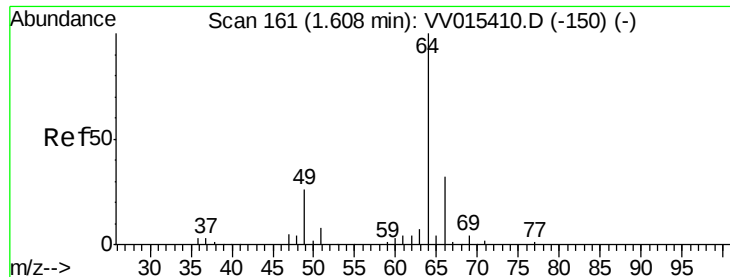
Tgt Ion: 94 Resp: 3297

Ion Ratio Lower Upper

94 100

96 98.5 65.8 122.2





#8

Chloroethane

Concen: 0.541 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.02 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

MSVOA_V

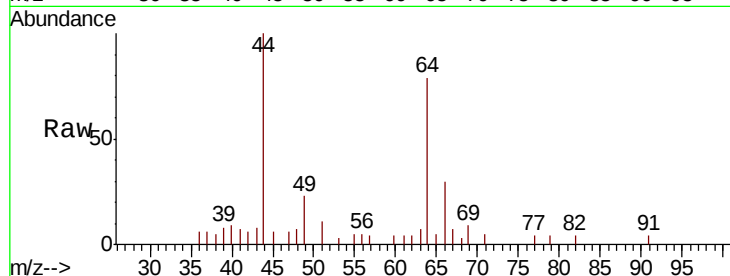
ClientSampleId :

Tot Ion: 64 Resp: 2854

Ion Ratio Lower Upper

64 100

66 37.5 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VV015408.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV015408.D (-150) (-)

1.63

2500

2000

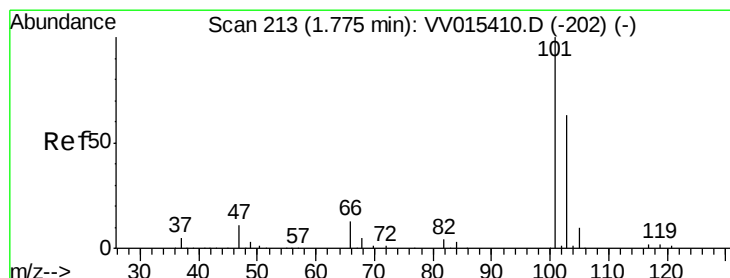
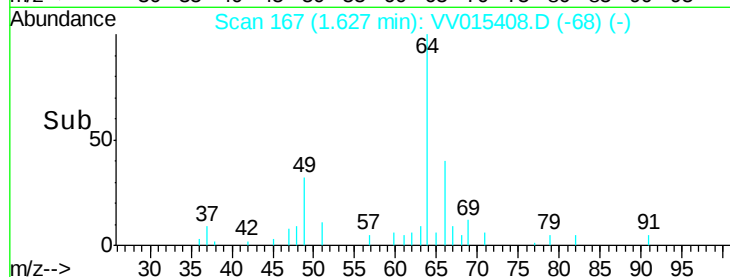
1500

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.559 ug/L

RT: 1.79 min Scan# 218

Delta R.T. 0.02 min

Lab File: VV015408.D

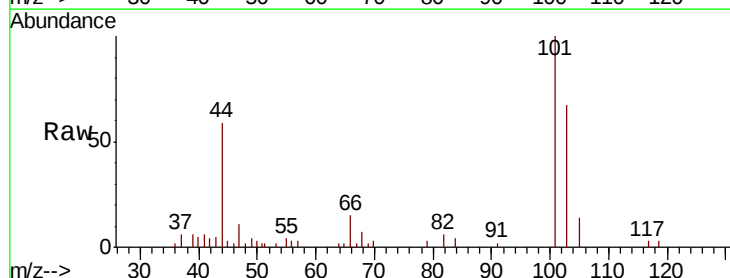
Acq: 06 Apr 2020 13:08

Tgt Ion: 101 Resp: 7153

Ion Ratio Lower Upper

101 100

103 66.3 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV015408.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV015408.D (-202) (-)

1.79

6000

5000

4000

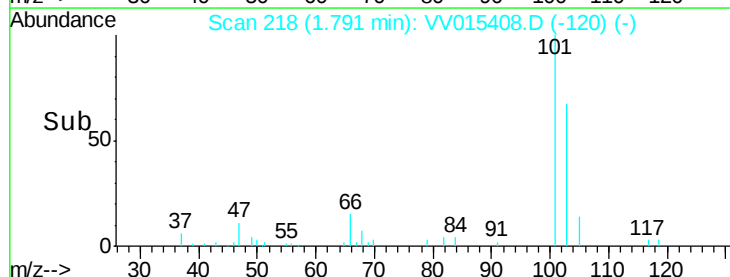
3000

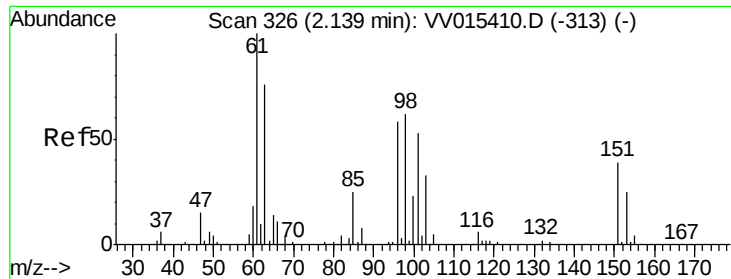
2000

1000

0

Time-->





#10

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

Concen: 0.656 ug/L

RT: 2.15 min Scan# 331

Delta R.T. 0.02 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

MSVOA_V

ClientSampled :

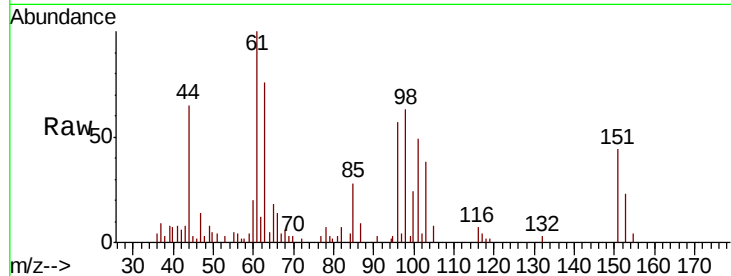
Tot Ion:101 Resp: 4573

Ion Ratio Lower Upper

101 100

85 49.0 36.2 54.4

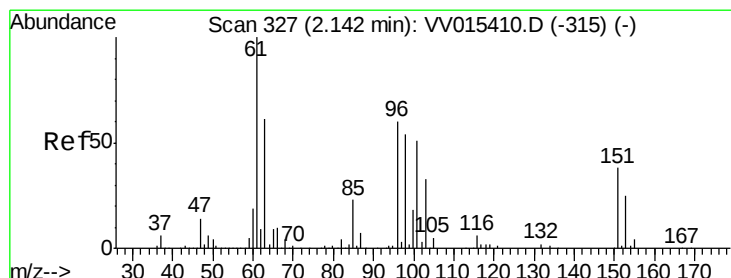
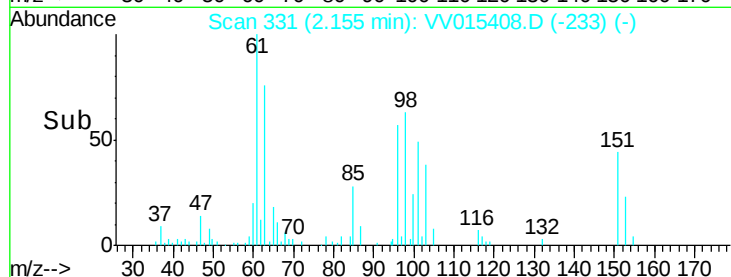
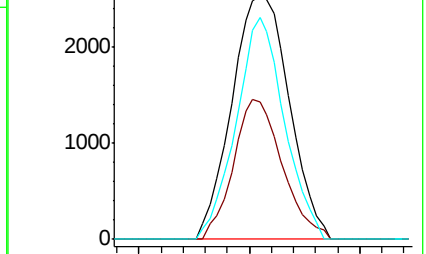
151 76.6 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): VV015410.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV015410.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV015410.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 0.700 ug/L

RT: 2.16 min Scan# 332

Delta R.T. 0.02 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

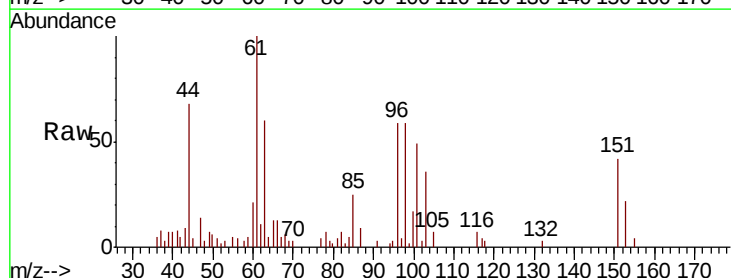
Tgt Ion: 96 Resp: 4619

Ion Ratio Lower Upper

96 100

61 168.4 117.1 217.5

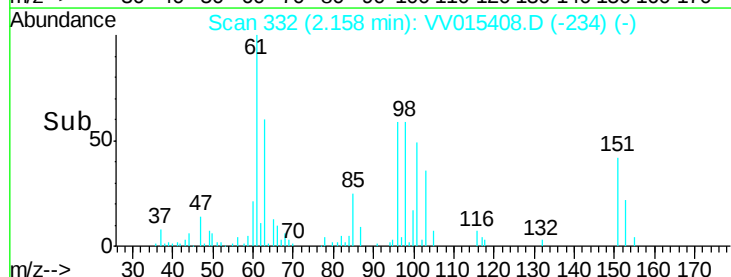
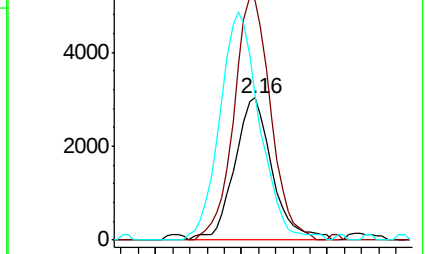
63 101.6 72.9 135.5

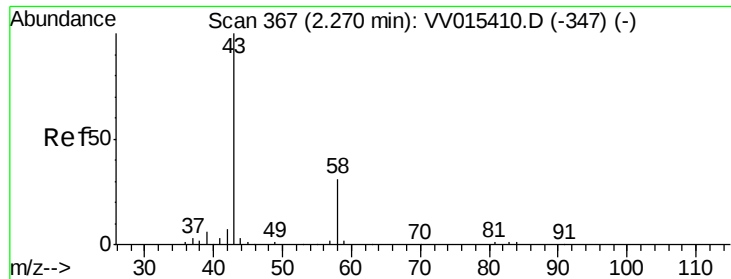


Abundance Ion 96.00 (95.70 to 96.70): VV015410.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV015410.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV015410.D (-315) (-)





#13

Acetone

Concen: 5.779 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

MSVOA_V

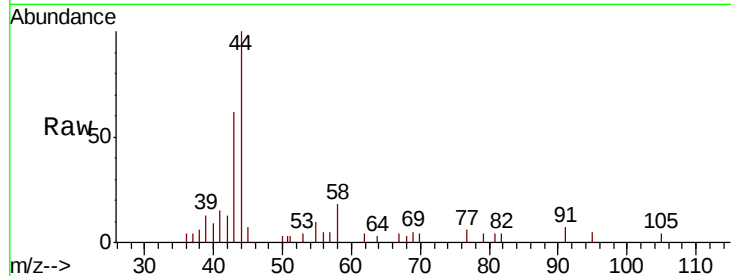
ClientSampleId :

Tot Ion: 43 Resp: 6064

Ion Ratio Lower Upper

43 100

58 27.8 0.0 61.0



Abundance Ion 43.05 (42.75 to 43.75): VV015410.D (-347) (-)

Ion 58.05 (57.75 to 58.75): VV015410.D (-347) (-)

2.28

2000

1500

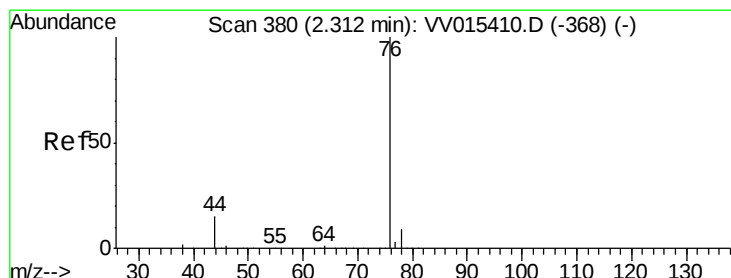
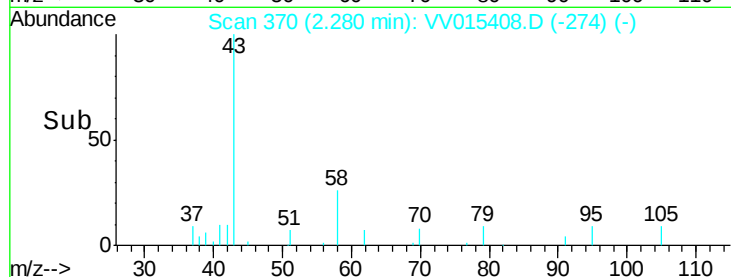
1000

500

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 0.652 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VV015408.D

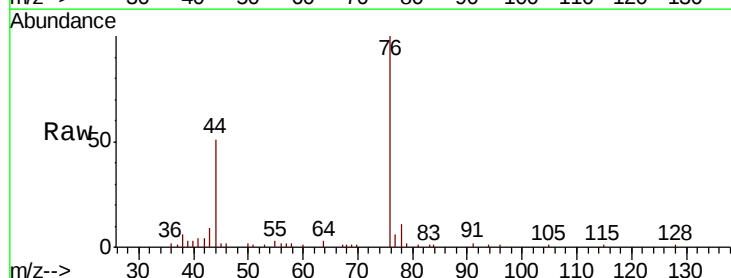
Acq: 06 Apr 2020 13:08

Tgt Ion: 76 Resp: 14418

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV015410.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV015410.D (-368) (-)

2.33

10000

8000

6000

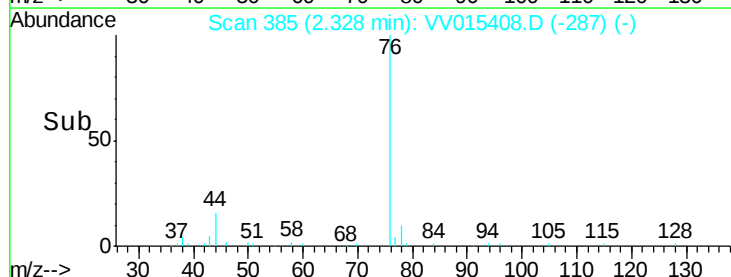
4000

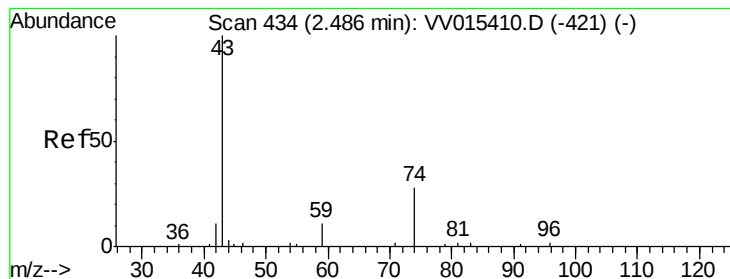
2000

0

Time-->

2.30 2.35





#15

Methvl Acetate

Concen: 0.549 ug/L

RT: 2.50 min Scan# 438

Delta R.T. 0.01 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

MSVOA_V

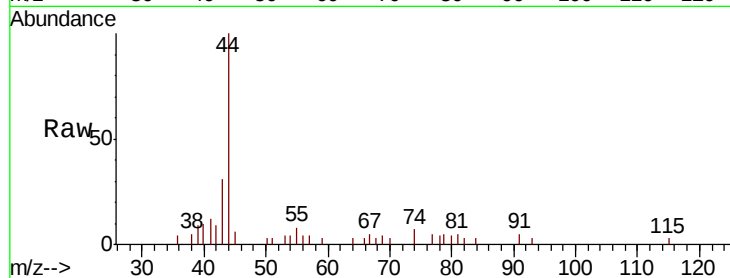
ClientSampleId :

Tot Ion: 43 Resp: 1538

Ion Ratio Lower Upper

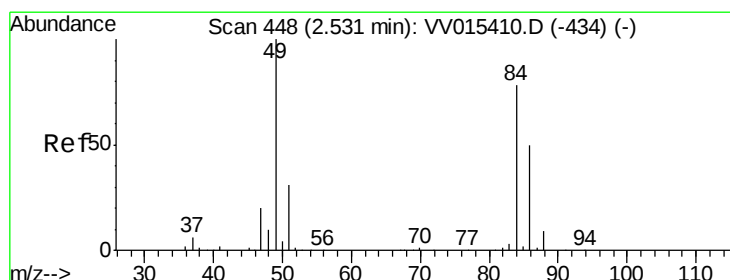
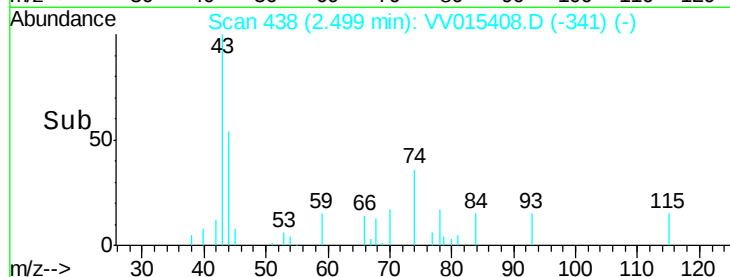
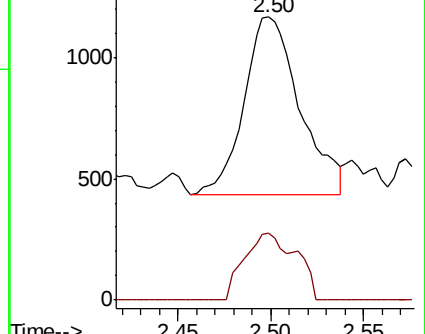
43 100

74 34.5 18.6 28.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.882 ug/L

RT: 2.55 min Scan# 453

Delta R.T. 0.02 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

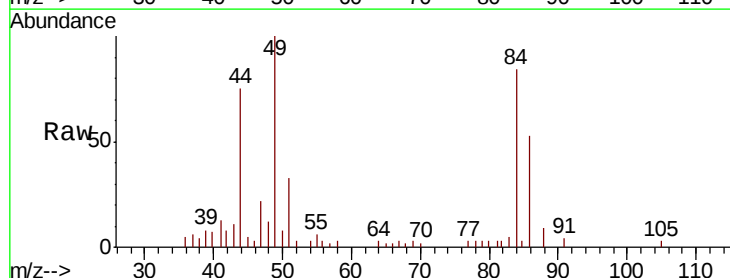
Tgt Ion: 84 Resp: 7049

Ion Ratio Lower Upper

84 100

86 62.9 44.5 82.7

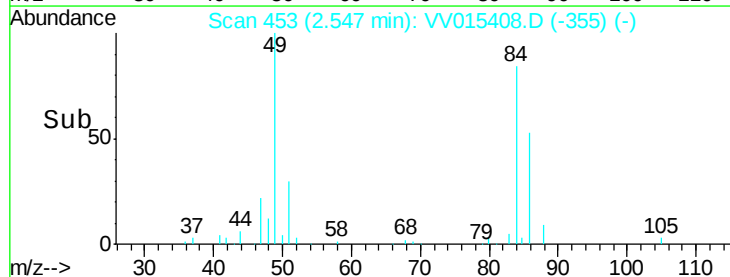
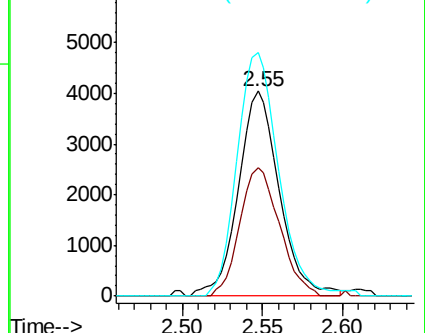
49 119.0 89.2 165.6

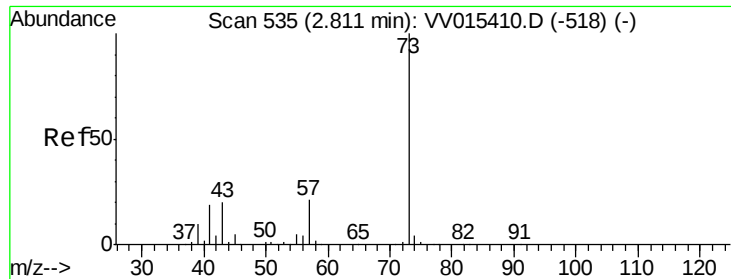


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

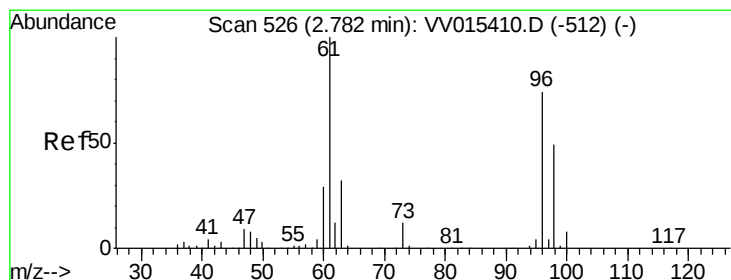
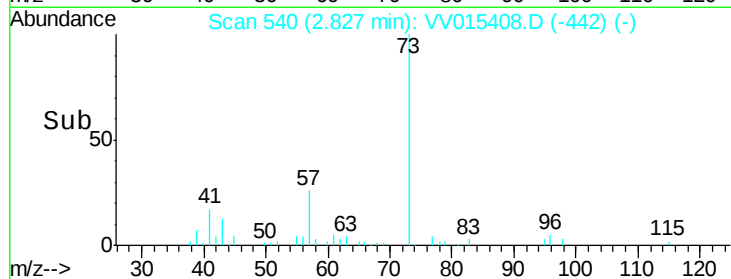
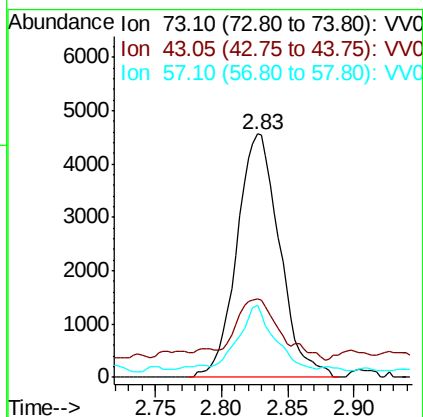
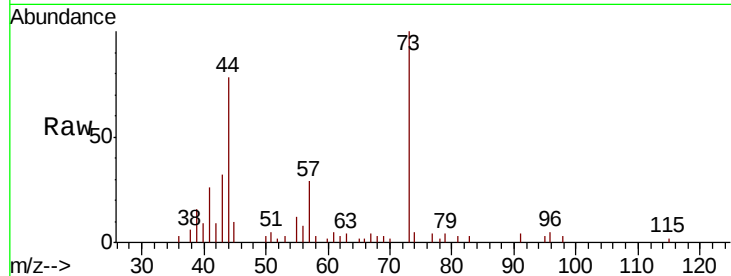




#17
Methvl tert-butvl Ether
Concen: 0.599 ug/L
RT: 2.83 min Scan# 540
Delta R.T. 0.02 min
Lab File: VV015408.D
Acq: 06 Apr 2020 13:08

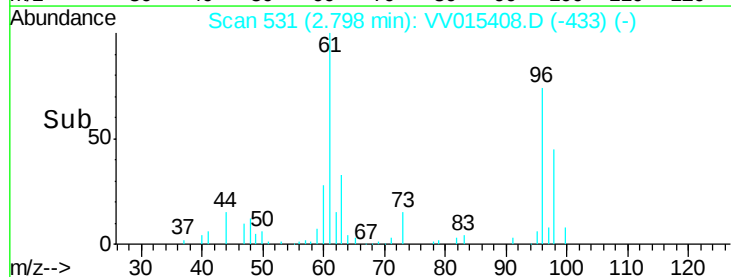
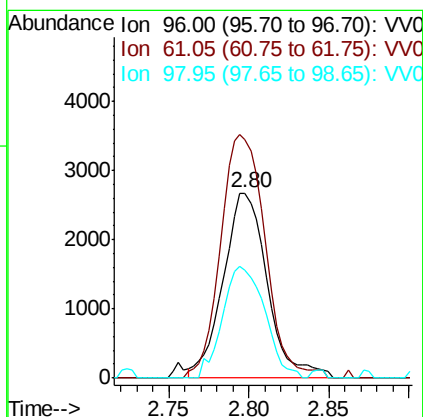
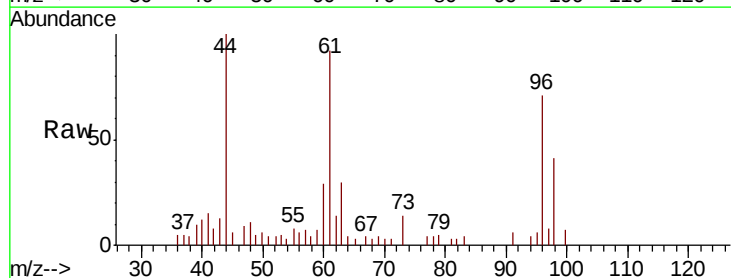
Instrument :
MSVOA_V
ClientSampleId :

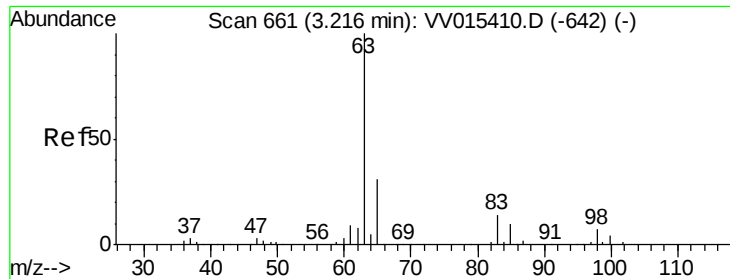
Tot Ion: 73 Resp: 10238
Ion Ratio Lower Upper
73 100
43 25.5 16.9 25.3#
57 21.0 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 0.655 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.02 min
Lab File: VV015408.D
Acq: 06 Apr 2020 13:08

Tgt Ion: 96 Resp: 5032
Ion Ratio Lower Upper
96 100
61 129.2 95.0 176.4
98 58.2 46.6 86.6

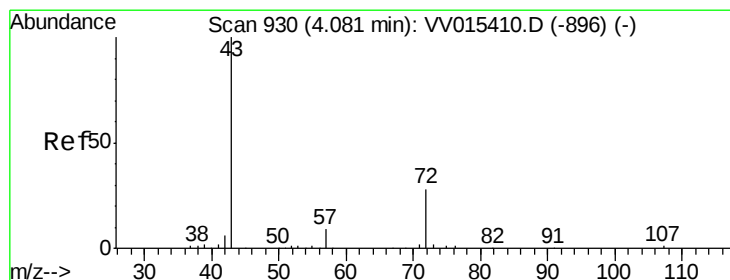
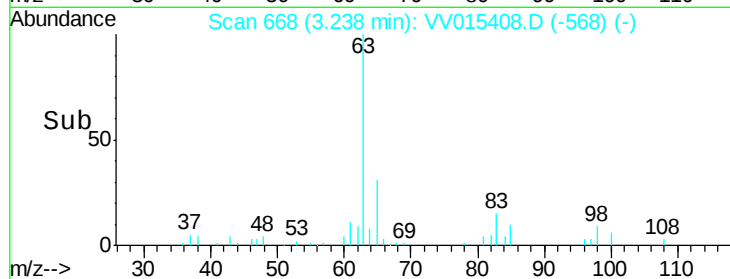
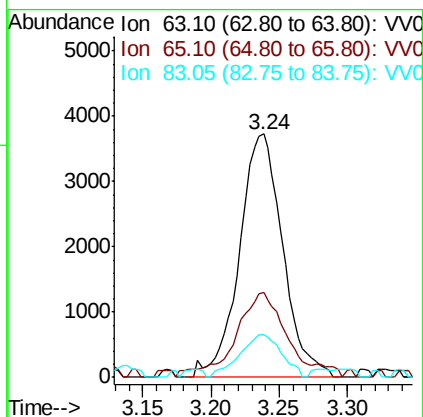
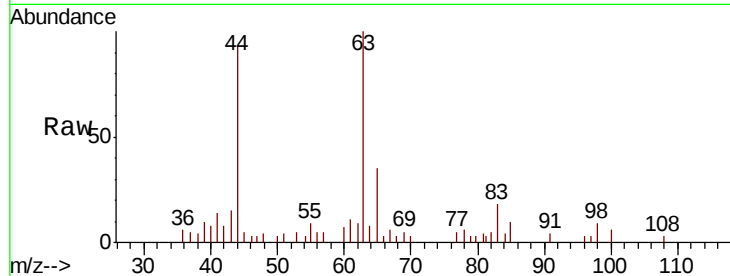




#19
 1,1-Dichloroethane
 Concen: 0.559 ug/L
 RT: 3.24 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

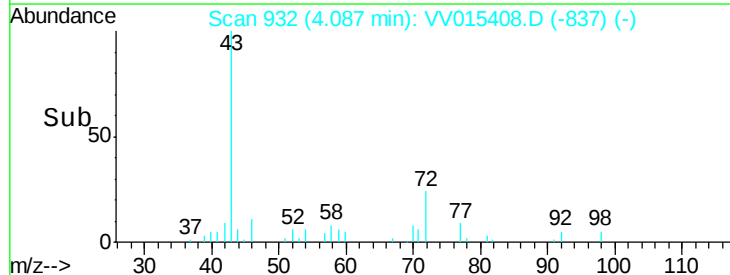
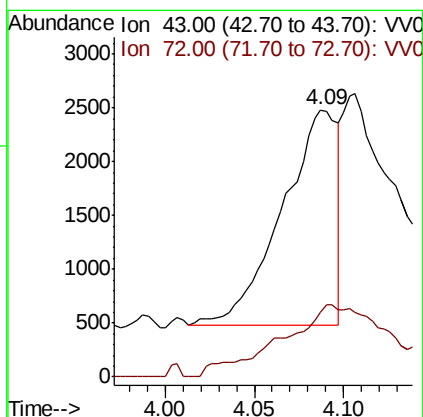
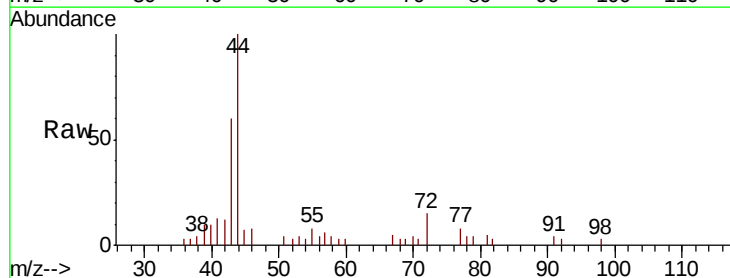
Instrument :
 MSVOA_V
 ClientSampleId :

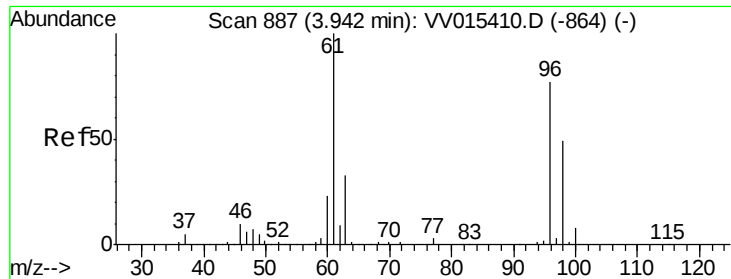
Tot Ion: 63 Resp: 8216
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.8 40.6
 83 16.3 9.9 18.5



#21
 2-Butanone
 Concen: 2.410 ug/L
 RT: 4.09 min Scan# 932
 Delta R.T. 0.01 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Tgt Ion: 43 Resp: 4271
 Ion Ratio Lower Upper
 43 100
 72 61.7 13.4 40.2#



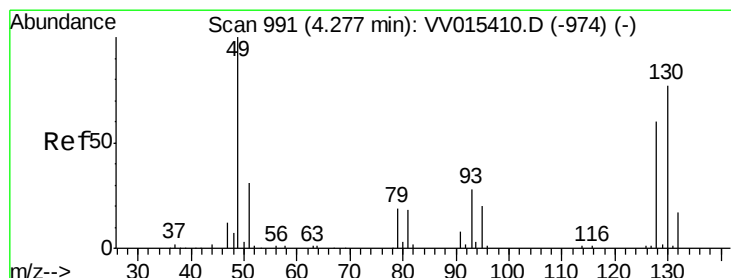
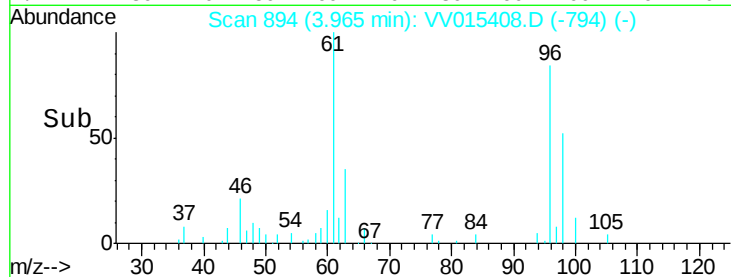
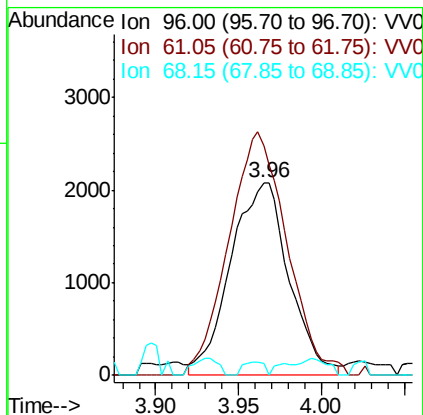
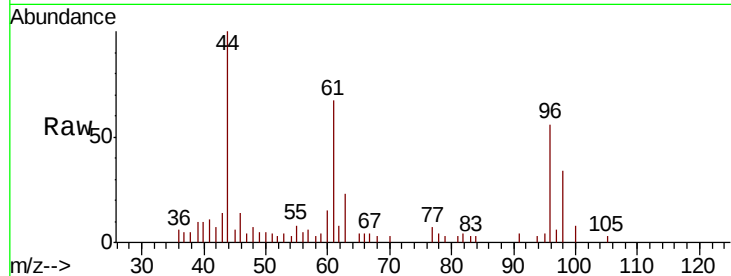


#22

cis-1,2-Dichloroethene
 Concen: 0.621 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.02 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Instrument :
 MSVOA_V
 ClientSampleId :

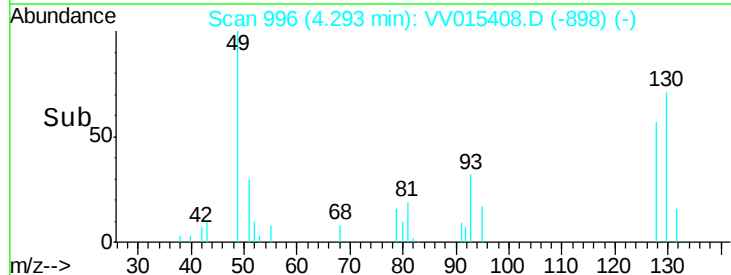
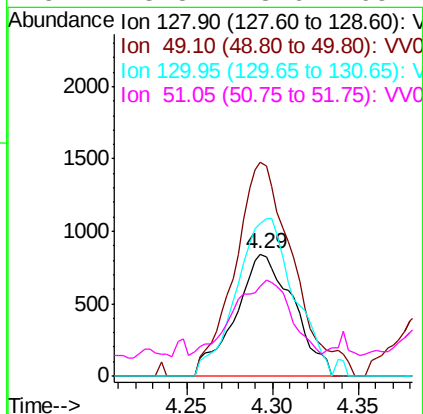
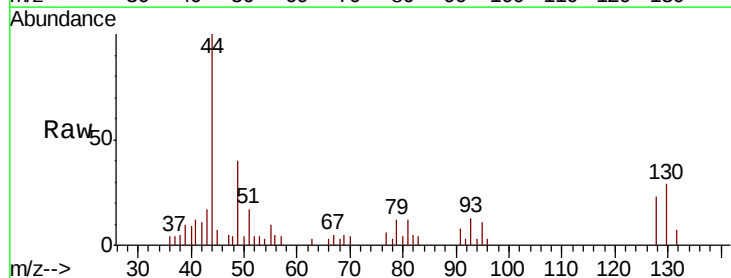
Tot Ion: 96 Resp: 5086
 Ion Ratio Lower Upper
 96 100
 61 118.7 90.4 168.0
 68 6.0 0.6 1.0#

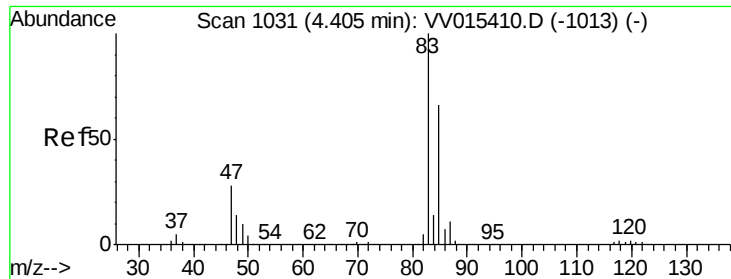


#23

Bromochloromethane
 Concen: 0.595 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.02 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Tgt Ion: 128 Resp: 1974
 Ion Ratio Lower Upper
 128 100
 49 174.7 117.3 217.9
 130 124.9 90.4 168.0
 51 73.8 43.6 65.4#

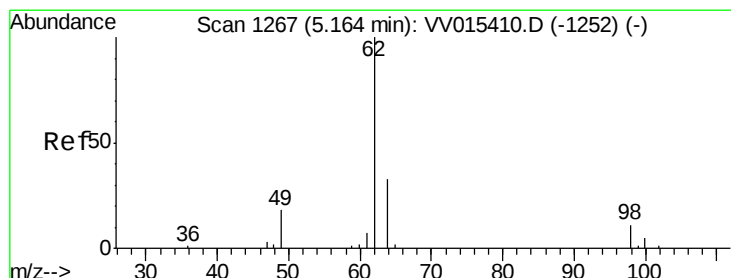
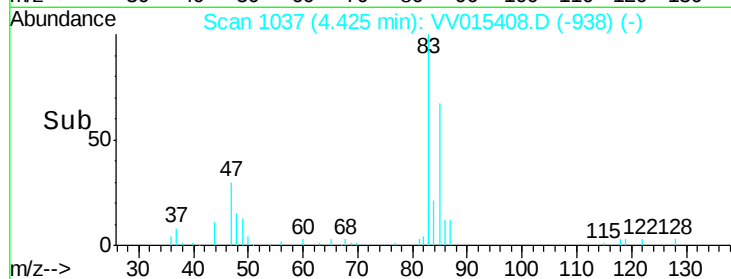
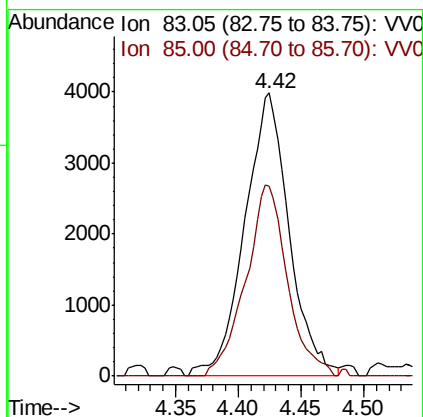
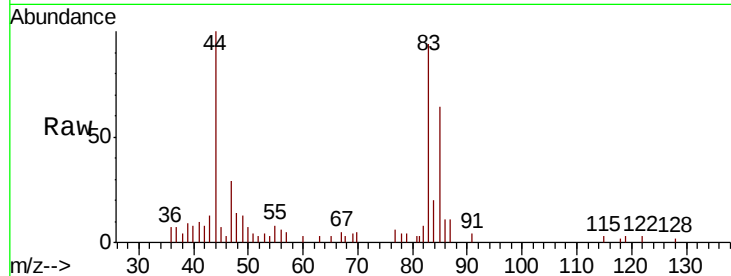




#25
Chloroform
Concen: 0.649 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.02 min
Lab File: VV015408.D
Acq: 06 Apr 2020 13:08

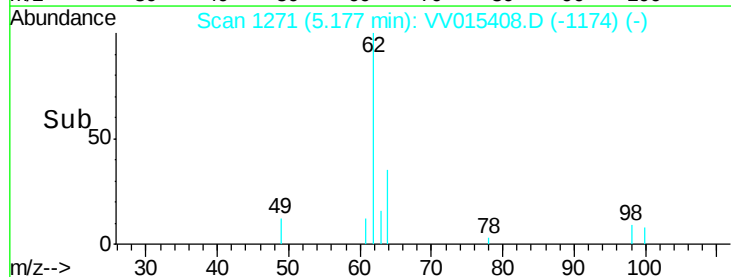
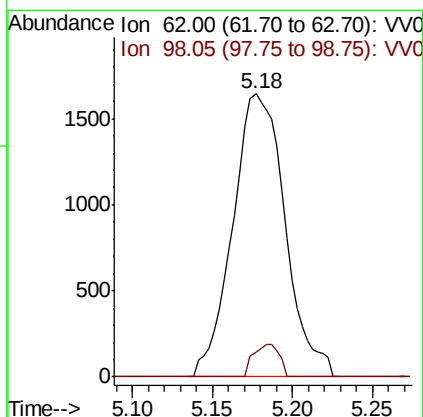
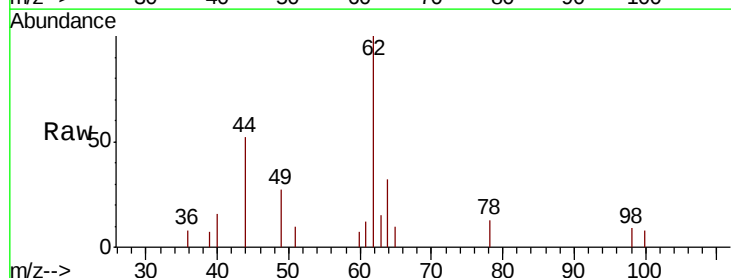
Instrument :
MSVOA_V
ClientSampled :

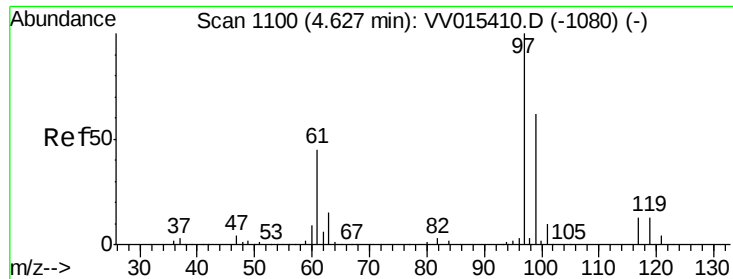
Tot Ion: 83 Resp: 9788
Ion Ratio Lower Upper
83 100
85 67.3 46.2 85.8



#27
1,2-Dichloroethane
Concen: 0.436 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VV015408.D
Acq: 06 Apr 2020 13:08

Tgt Ion: 62 Resp: 3681
Ion Ratio Lower Upper
62 100
98 8.6 8.1 12.1

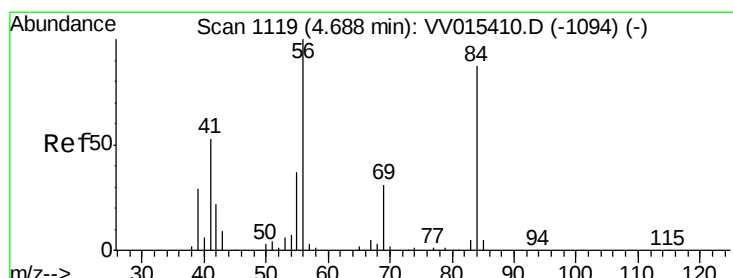
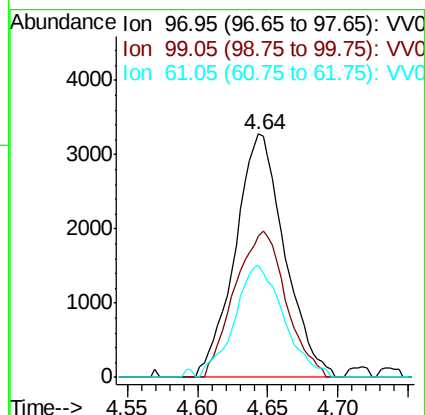
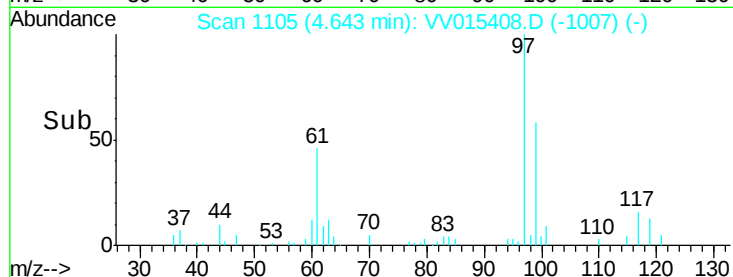
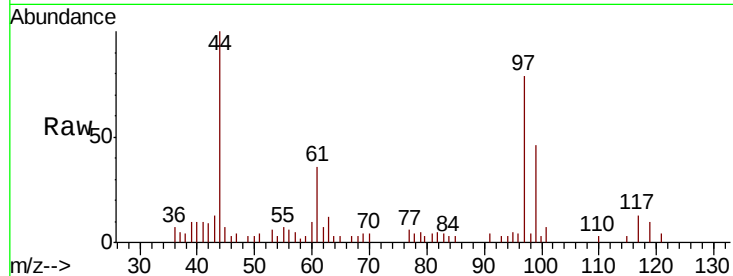




#29
 1,1,1-Trichloroethane
 Concen: 0.619 ug/L
 RT: 4.64 min Scan# 1105
 Delta R.T. 0.02 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

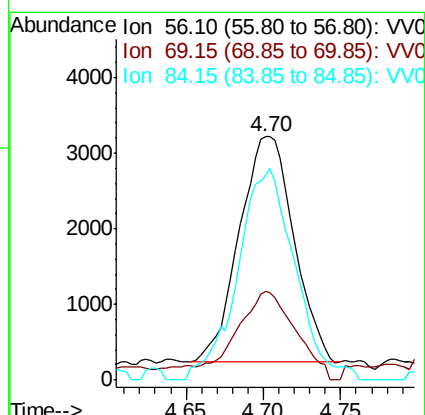
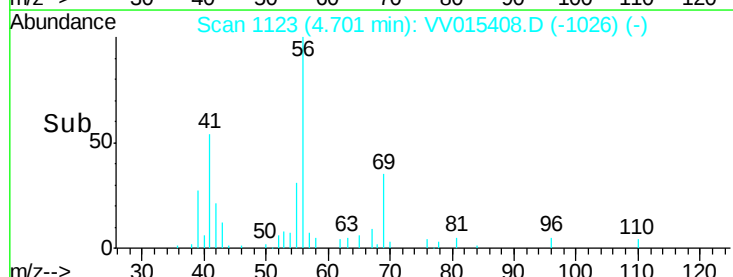
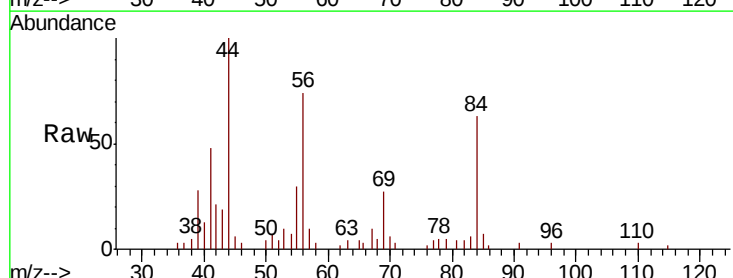
Instrument :
 MSVOA_V
 ClientSampleId :

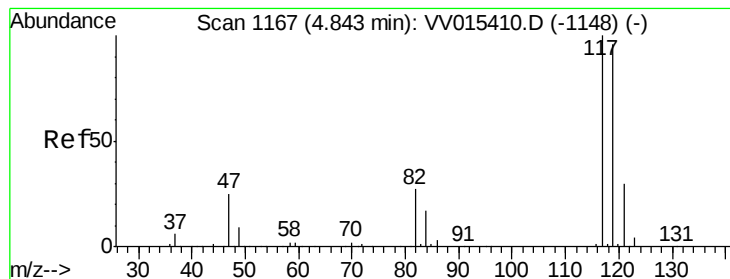
Tot Ion: 97 Resp: 8055
 Ion Ratio Lower Upper
 97 100
 99 62.3 49.9 74.9
 61 45.8 36.2 54.4



#30
 Cyclohexane
 Concen: 0.516 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Tgt Ion: 56 Resp: 7316
 Ion Ratio Lower Upper
 56 100
 69 46.4 25.4 38.0#
 84 98.7 73.6 110.4





#31

Carbon tetrachloride

Concen: 0.701 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

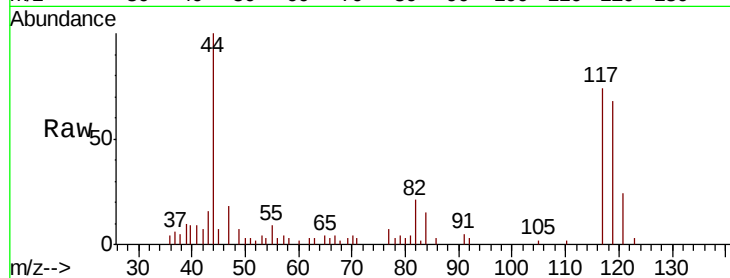
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 7870

Ion Ratio Lower Upper

117 100

119 88.1 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.86

3000

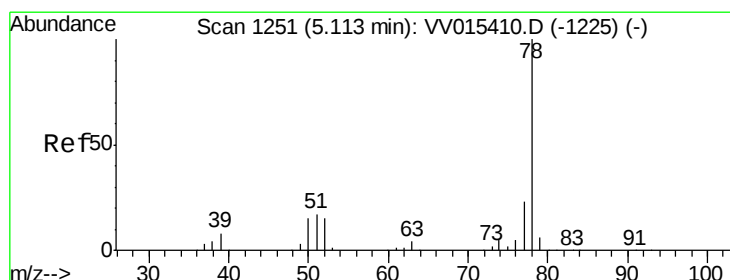
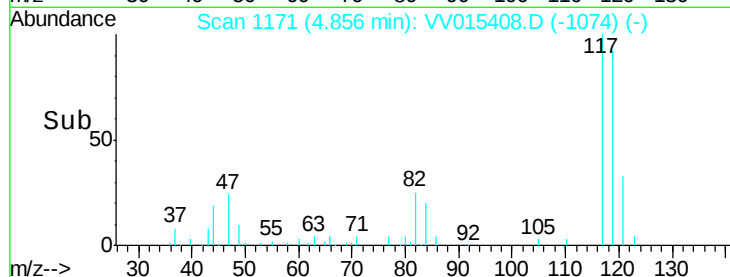
2000

1000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 0.399 ug/L

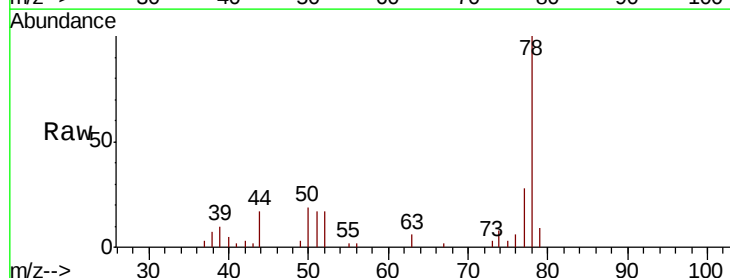
RT: 5.14 min Scan# 1258

Delta R.T. 0.02 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Tgt Ion: 78 Resp: 12281



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

6000

5000

4000

3000

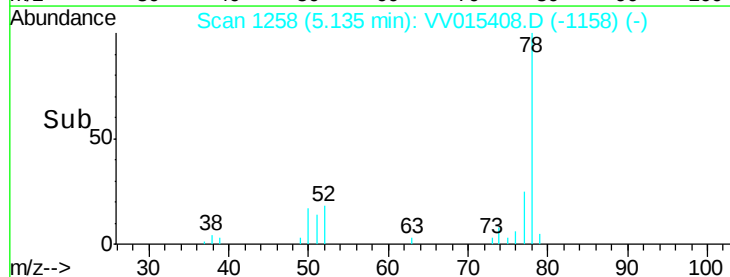
2000

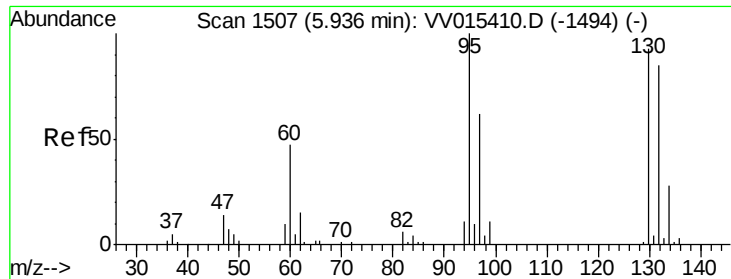
1000

0

Time-->

5.05 5.10 5.15 5.20

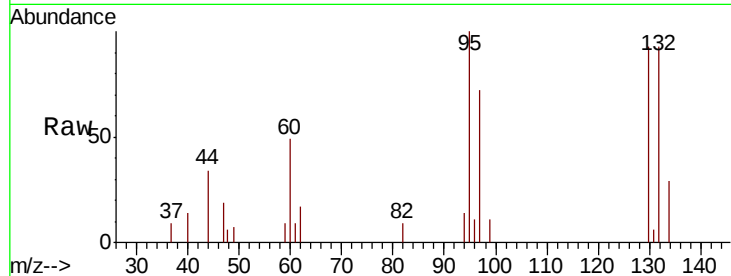




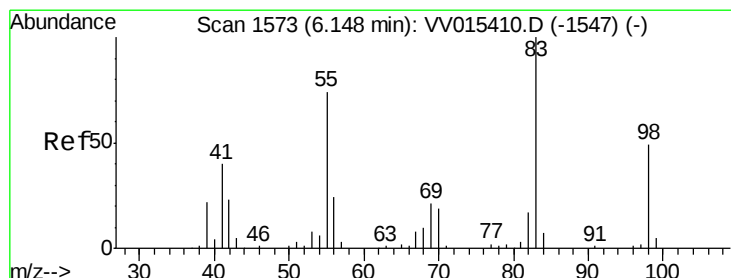
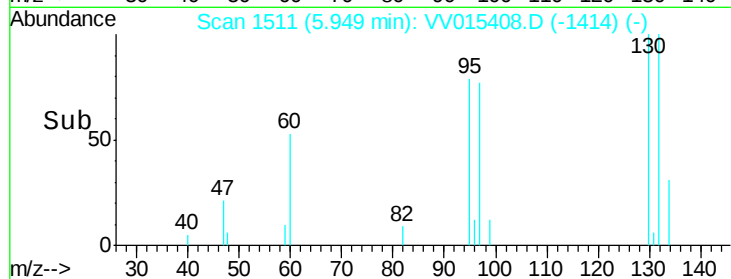
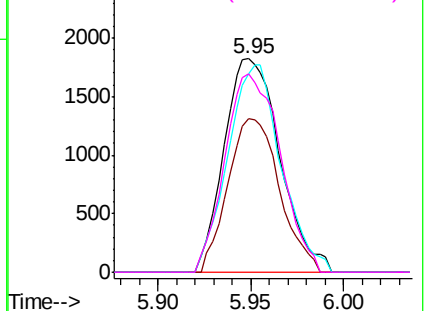
#34
 Trichloroethene
 Concen: 0.475 ug/L
 RT: 5.95 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 3812
 Ion Ratio Lower Upper
 95 100
 97 71.8 43.1 80.1
 132 92.9 59.4 110.4
 130 92.8 65.0 120.8

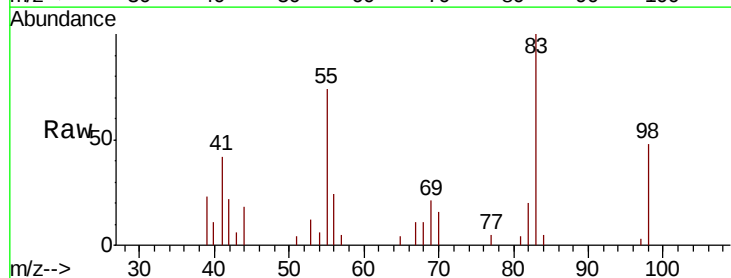


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

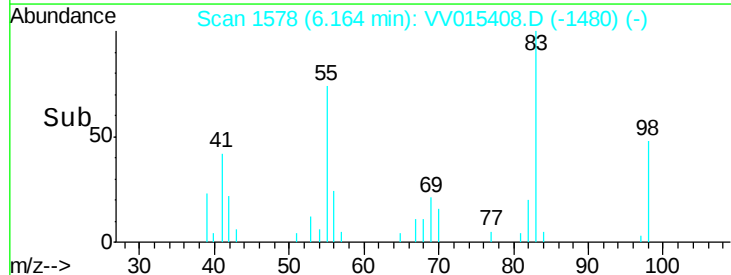
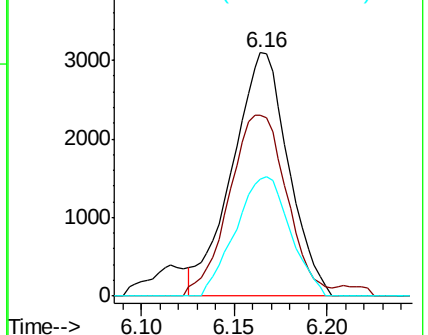


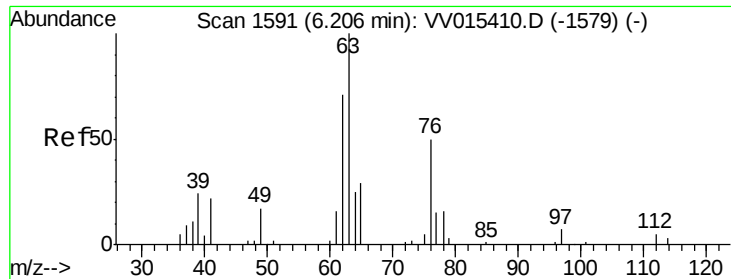
#35
 Methylcyclohexane
 Concen: 0.470 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.02 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Tgt Ion: 83 Resp: 6502
 Ion Ratio Lower Upper
 83 100
 55 76.5 52.8 79.2
 98 47.6 35.2 52.8



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

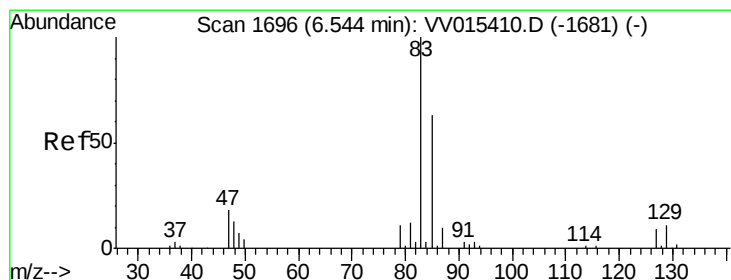
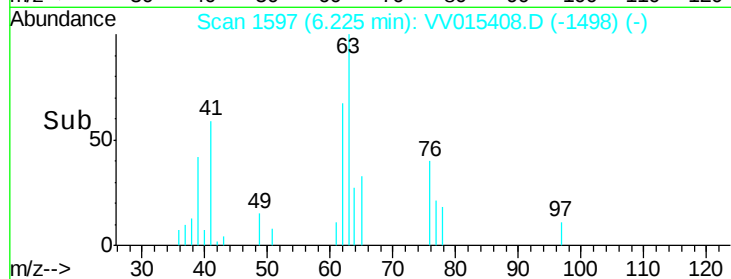
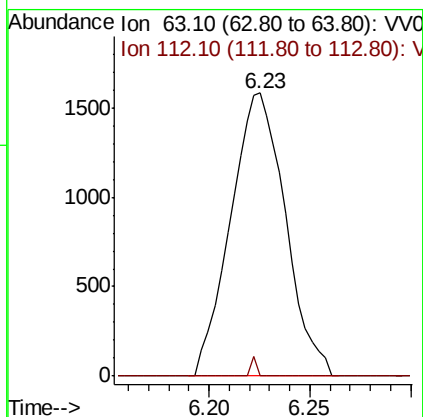
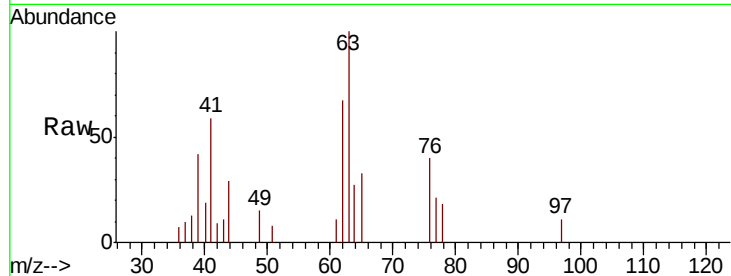




#37
 1,2-Dichloropropane
 Concen: 0.396 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.02 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

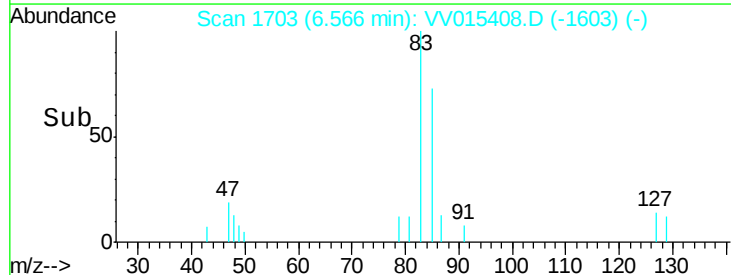
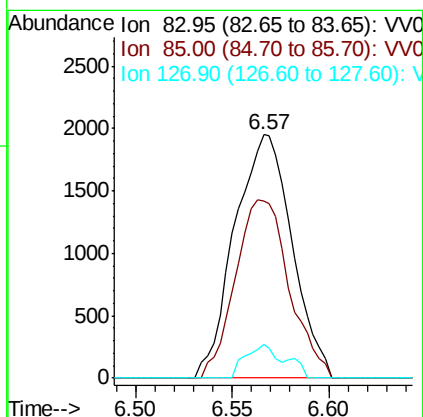
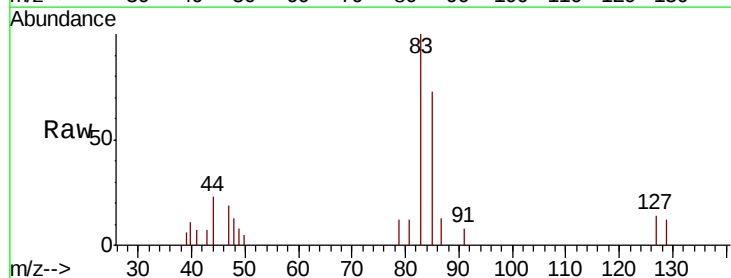
Instrument :
 MSVOA_V
 ClientSampleId :

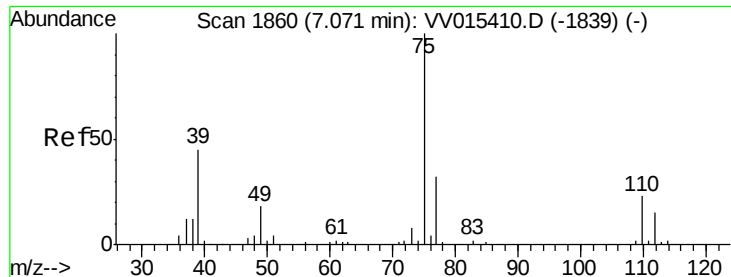
Tot Ion: 63 Resp: 2999
 Ion Ratio Lower Upper
 63 100
 112 0.7 3.9 5.9#



#38
 Bromodichloromethane
 Concen: 0.425 ug/L
 RT: 6.57 min Scan# 1703
 Delta R.T. 0.02 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Tgt Ion: 83 Resp: 4022
 Ion Ratio Lower Upper
 83 100
 85 73.0 44.2 82.2
 127 13.6 6.9 10.3#

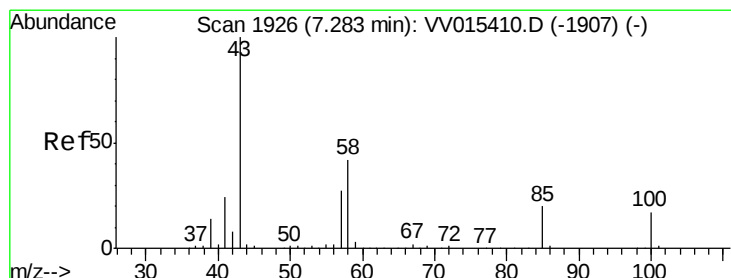
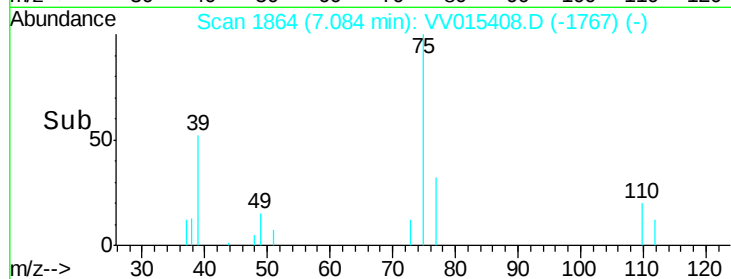
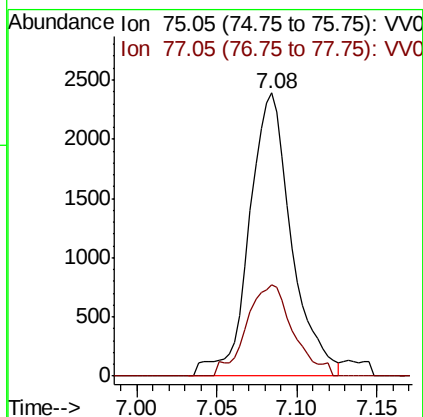
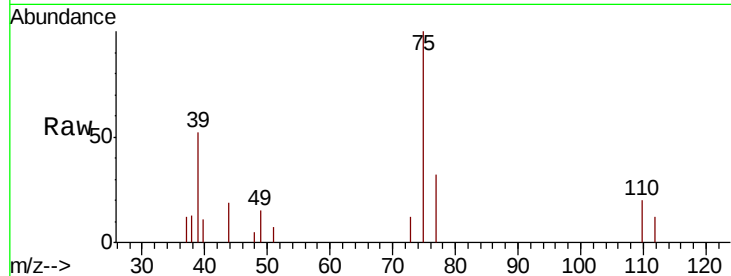




#39
 cis-1,3-Dichloropropene
 Concen: 0.386 ug/L
 RT: 7.08 min Scan# 1864
 Delta R.T. 0.01 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

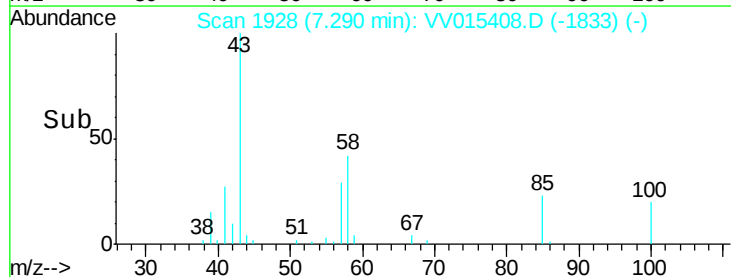
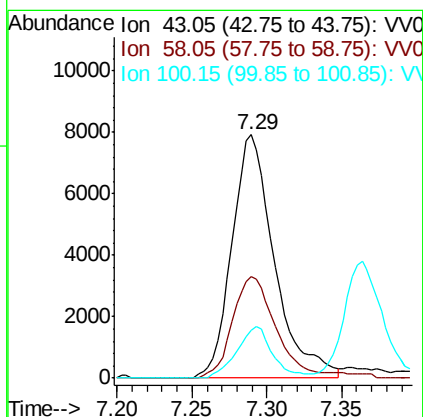
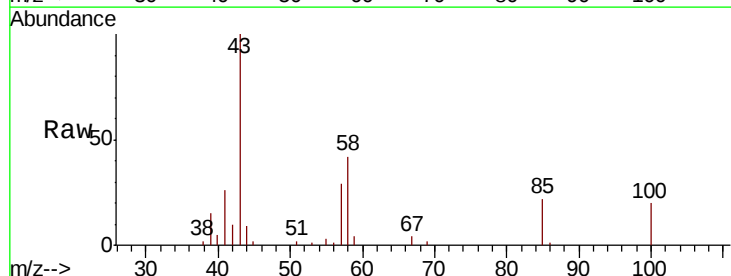
Instrument :
 MSVOA_V
 ClientSampled :

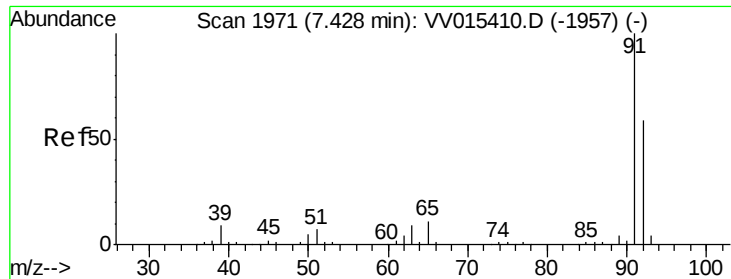
Tot Ion: 75 Resp: 4335
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 3.517 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.01 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Tgt Ion: 43 Resp: 15688
 Ion Ratio Lower Upper
 43 100
 58 43.9 33.0 49.6
 100 17.8 13.6 20.4





#42

Toluene

Concen: 0.462 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

MSVOA_V

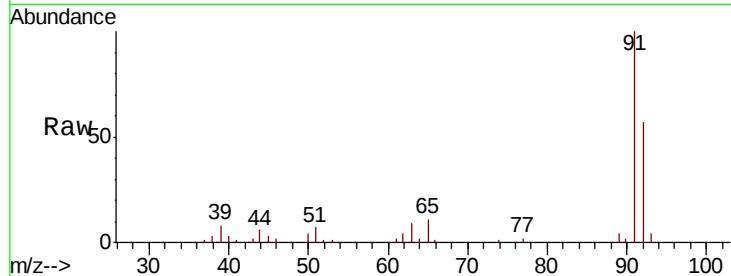
ClientSampleId :

Tot Ion: 91 Resp: 14923

Ion Ratio Lower Upper

91 100

92 57.3 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

8000

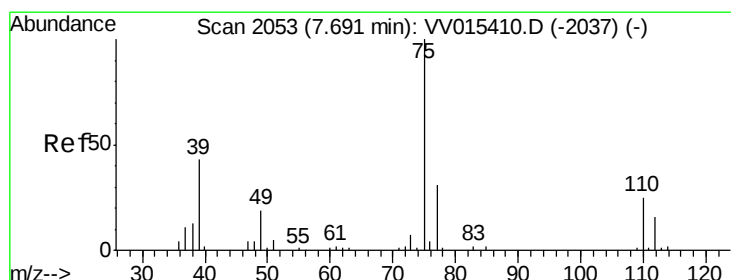
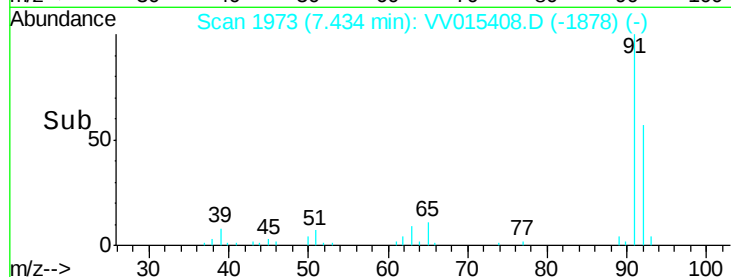
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.433 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV015408.D

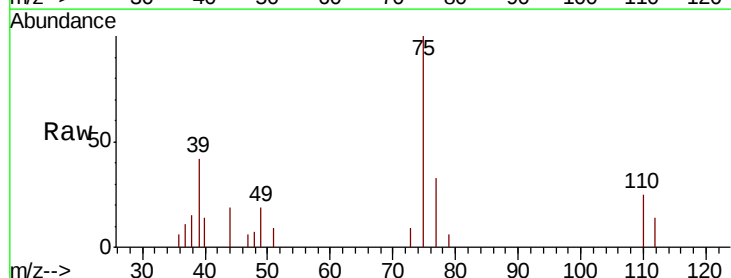
Acq: 06 Apr 2020 13:08

Tgt Ion: 75 Resp: 3788

Ion Ratio Lower Upper

75 100

77 32.8 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

2000

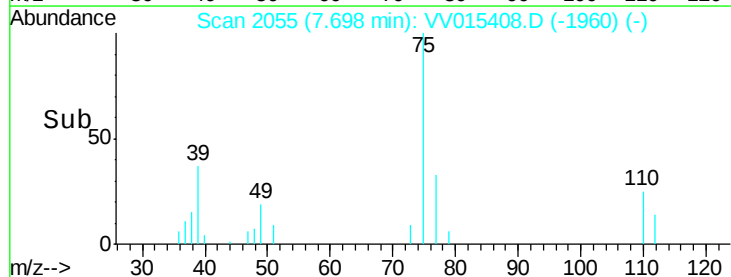
1500

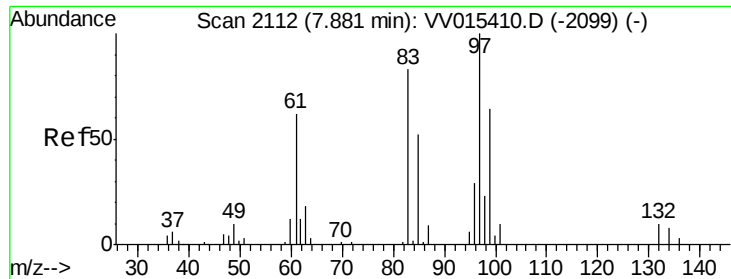
1000

500

0

Time-->

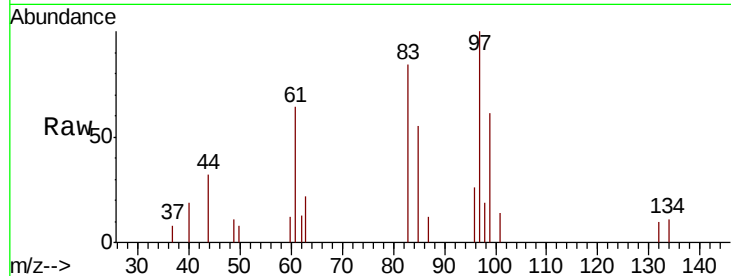




#45
1,1,2-Trichloroethane
Concen: 0.459 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV015408.D
Acq: 06 Apr 2020 13:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	2282
Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.9	83.3
83	83.9	58.3	108.3
85	55.0	36.6	68.0

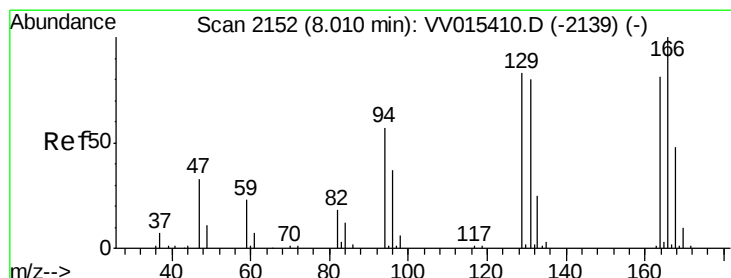
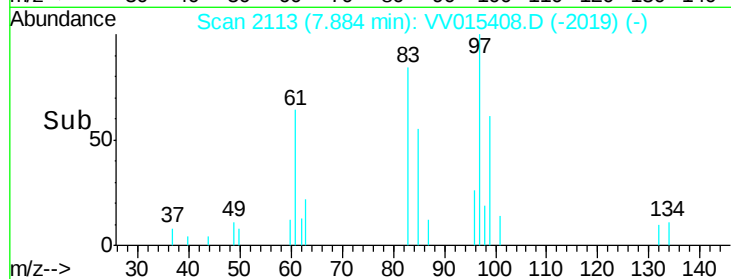
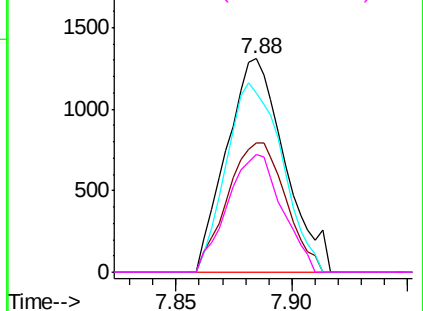


Abundance Ion 96.95 (96.65 to 97.65): VV015408.D (-2099) (-)

Ion 99.05 (98.75 to 99.75): VV015408.D (-2099) (-)

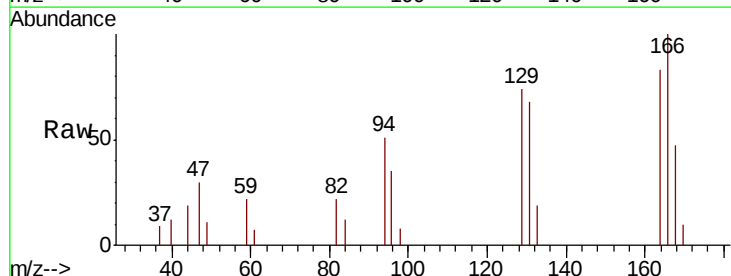
Ion 82.95 (82.65 to 83.65): VV015408.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV015408.D (-2099) (-)



#47
Tetrachloroethene
Concen: 0.421 ug/L
RT: 8.01 min Scan# 2152
Delta R.T. 0.00 min
Lab File: VV015408.D
Acq: 06 Apr 2020 13:08

Tgt Ion:	164	Resp:	2651
Ion	Ratio	Lower	Upper
164	100		
129	88.7	71.6	133.0
131	82.3	69.1	128.3
166	120.2	86.1	159.9

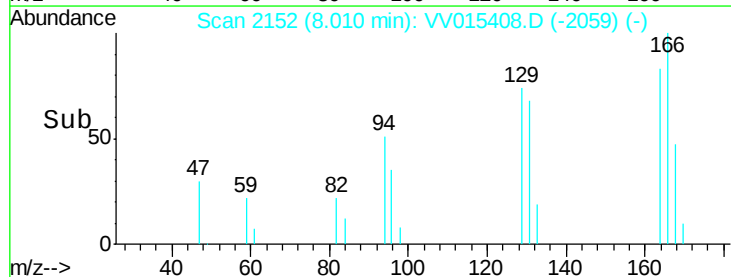
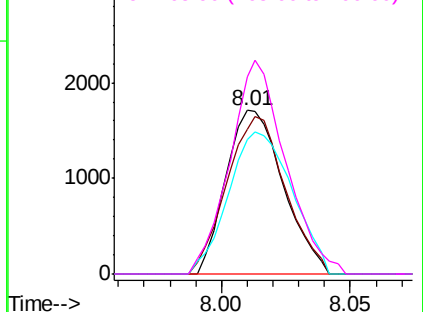


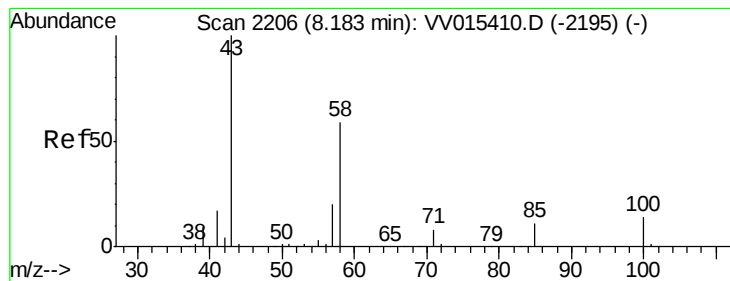
Abundance Ion 163.90 (163.60 to 164.60): VV015408.D (-2059) (-)

Ion 128.95 (128.65 to 129.65): VV015408.D (-2059) (-)

Ion 130.95 (130.65 to 131.65): VV015408.D (-2059) (-)

Ion 165.90 (165.60 to 166.60): VV015408.D (-2059) (-)





#48

2-Hexanone

Concen: 3.392 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.01 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

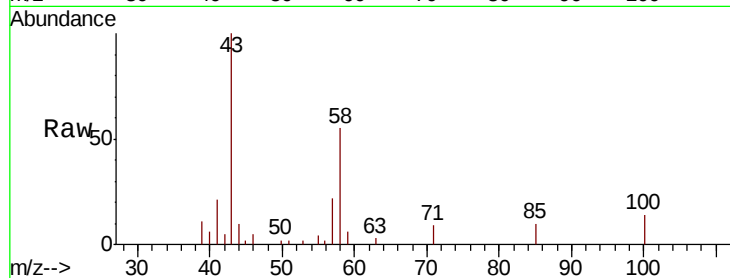
MSVOA_V

ClientSampleId :

Tot Ion: 43 Resp: 10774

Ion Ratio Lower Upper

43	100		
58	60.6	49.0	73.4
57	24.8	16.1	24.1
100	15.5	11.5	17.3

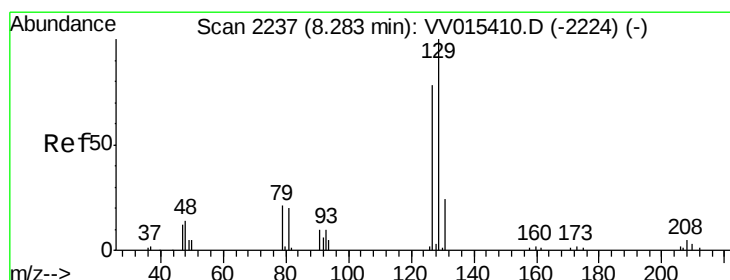
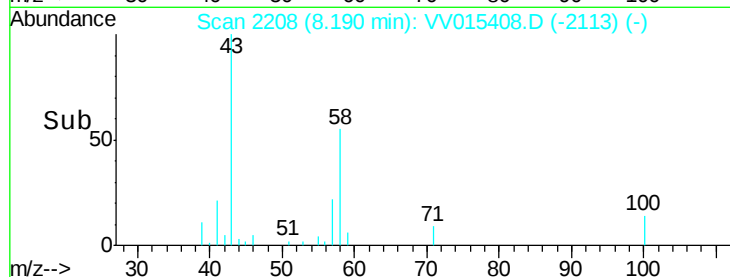
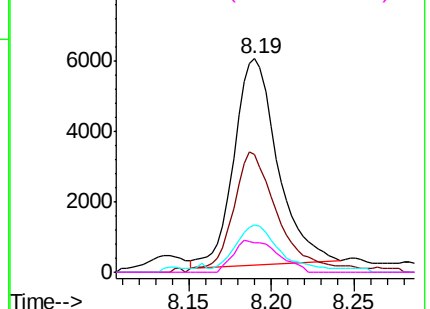


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 0.448 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

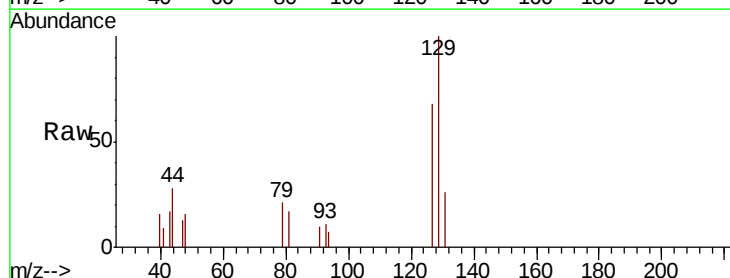
Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Tgt Ion: 129 Resp: 2526

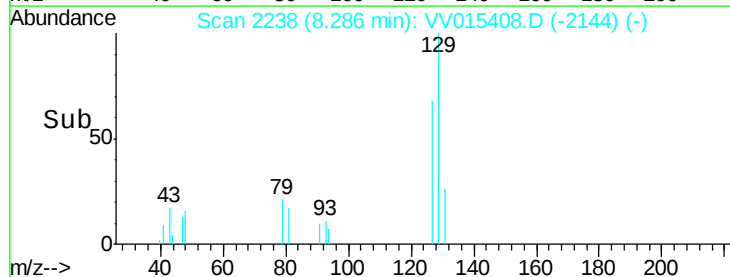
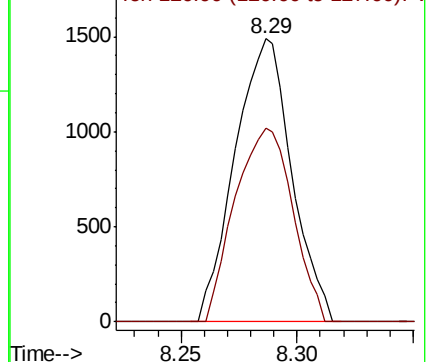
Ion Ratio Lower Upper

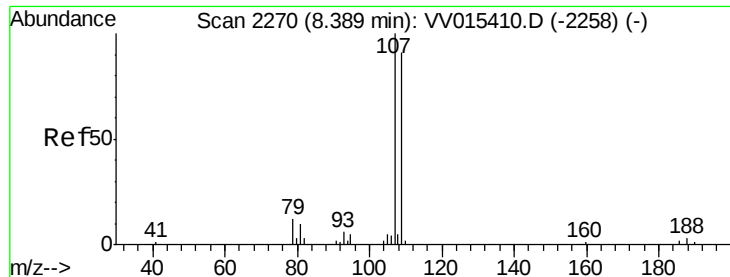
129	100		
127	68.3	54.7	101.5



Abundance Ion 128.95 (128.65 to 129.65): VV0

Ion 126.90 (126.60 to 127.60): VV0

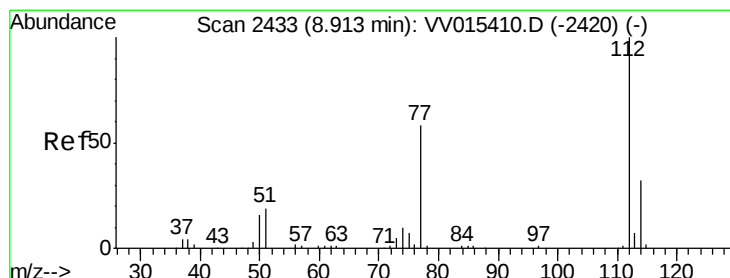
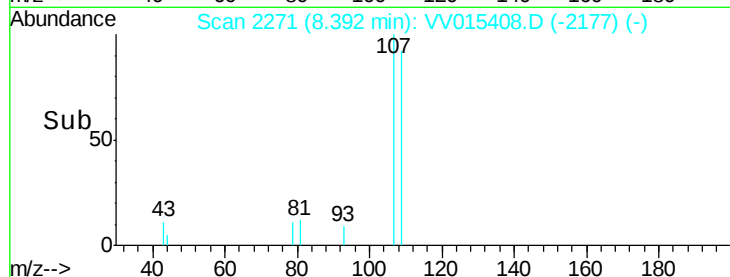
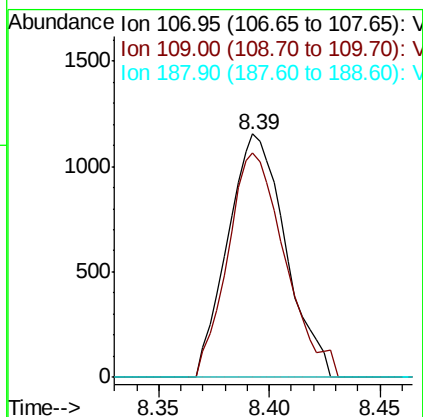
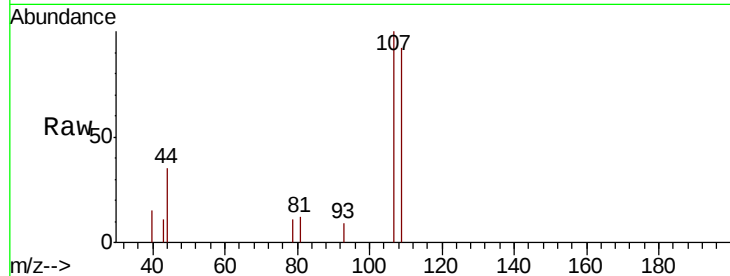




#50
1,2-Dibromoethane
Concen: 0.440 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV015408.D
Acq: 06 Apr 2020 13:08

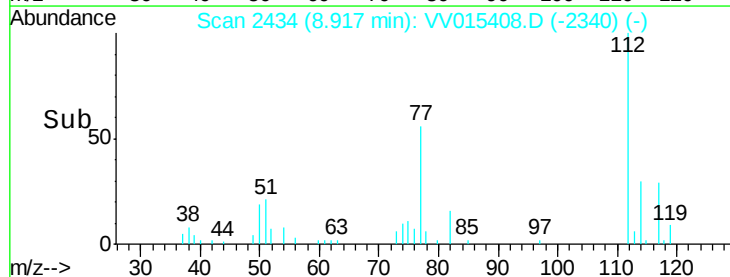
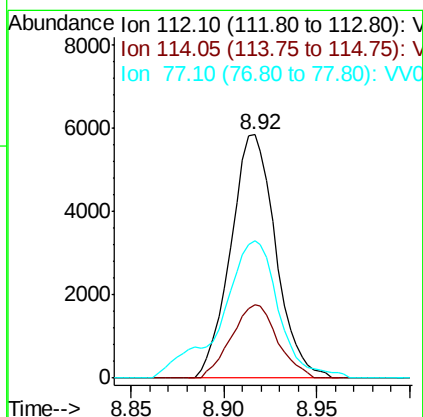
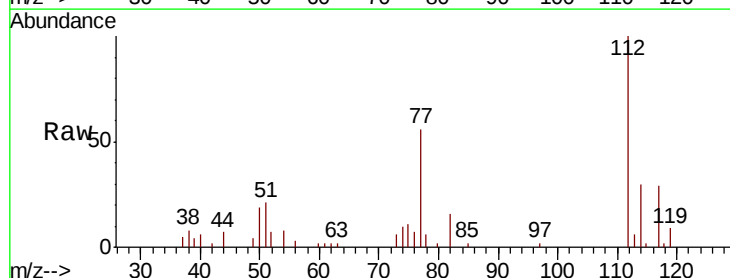
Instrument :
MSVOA_V
ClientSampleId :

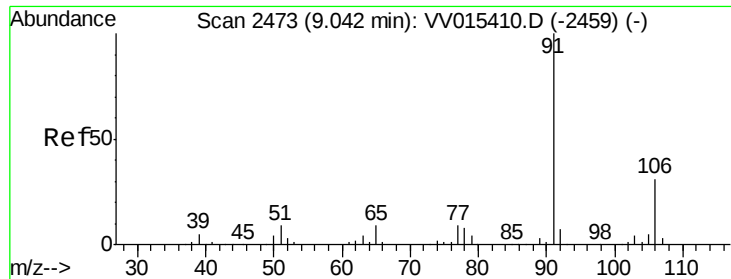
Tot Ion:107 Resp: 2092
Ion Ratio Lower Upper
107 100
109 92.3 63.5 117.9
188 0.0 2.6 4.0#



#51
Chlorobenzene
Concen: 0.477 ug/L
RT: 8.92 min Scan# 2434
Delta R.T. 0.00 min
Lab File: VV015408.D
Acq: 06 Apr 2020 13:08

Tgt Ion:112 Resp: 9855
Ion Ratio Lower Upper
112 100
114 30.3 22.3 41.5
77 56.3 46.8 70.2





#52

Ethylbenzene

Concen: 0.454 ug/L

RT: 9.05 min Scan# 2474

Delta R.T. 0.00 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

MSVOA_V

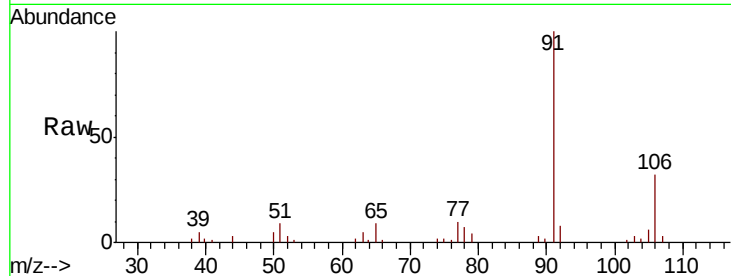
ClientSampleId :

Tot Ion: 91 Resp: 16772

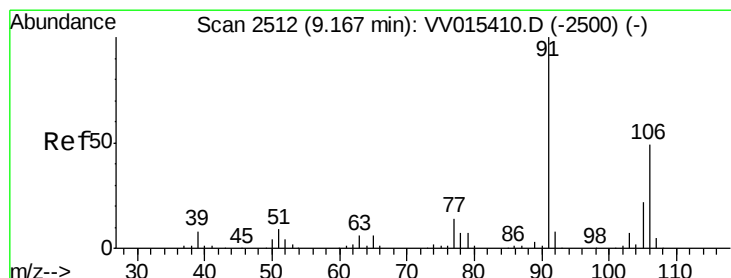
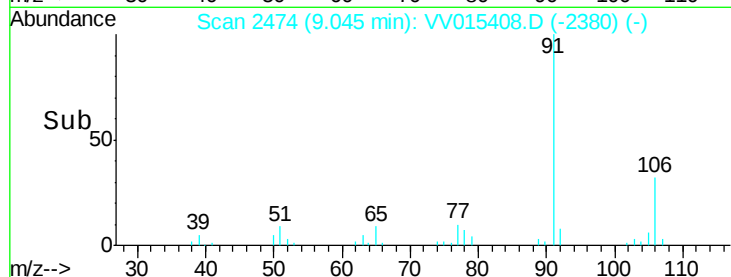
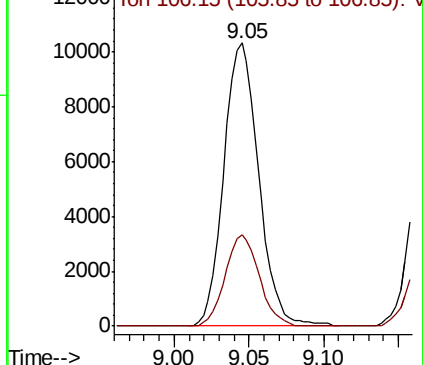
Ion Ratio Lower Upper

91 100

106 32.1 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV015408.D (-2459) (-)



#53

m,p-xylene

Concen: 0.465 ug/L

RT: 9.17 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VV015408.D

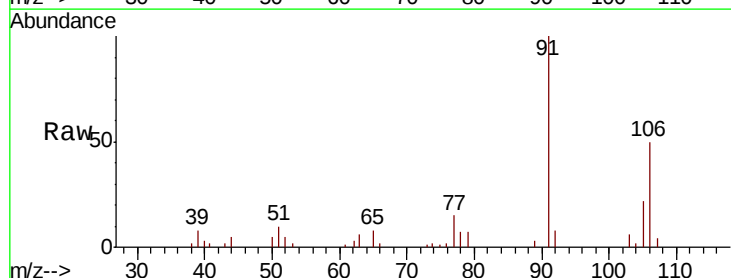
Acq: 06 Apr 2020 13:08

Tgt Ion: 106 Resp: 6355

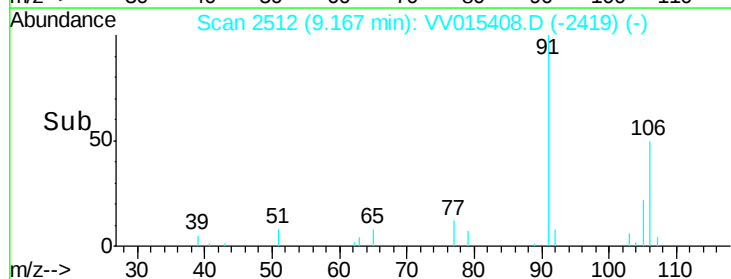
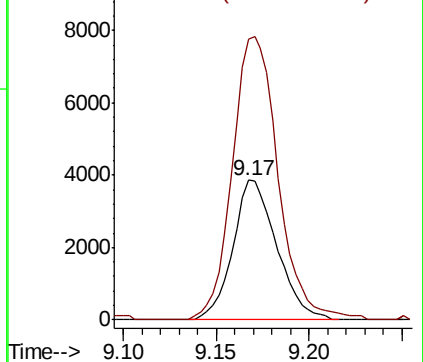
Ion Ratio Lower Upper

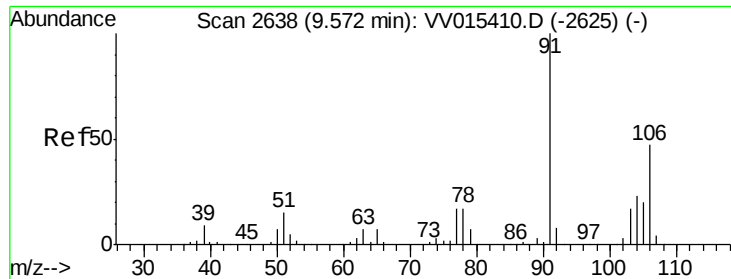
106 100

91 201.0 143.7 266.9



Abundance Ion 106.15 (105.85 to 106.85): VV015408.D (-2500) (-)





#54

o-xylene

Concen: 0.478 ug/L

RT: 9.57 min Scan# 2638

Delta R.T. 0.00 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

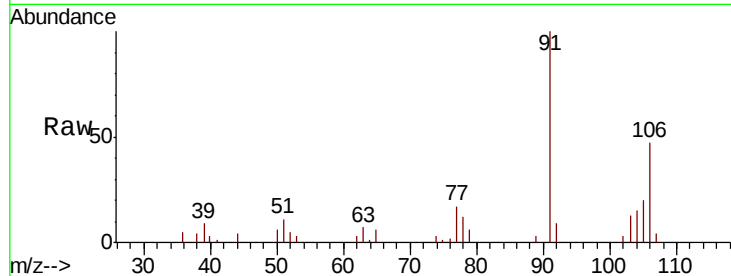
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 6342

Ion Ratio Lower Upper

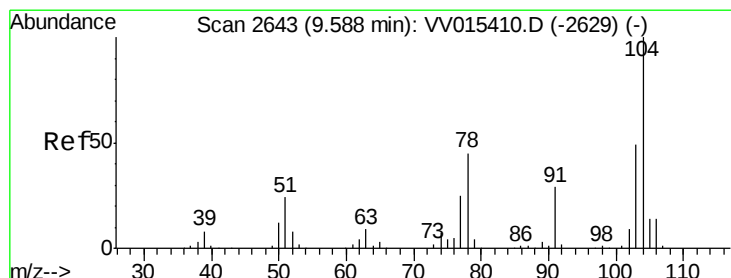
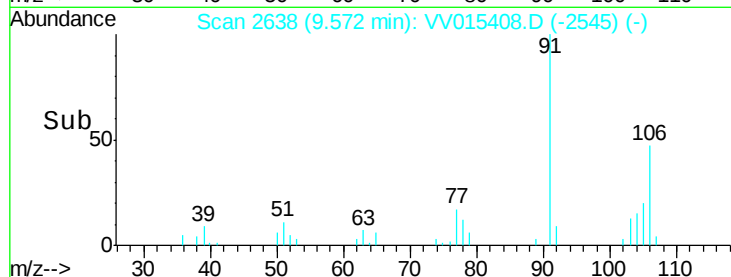
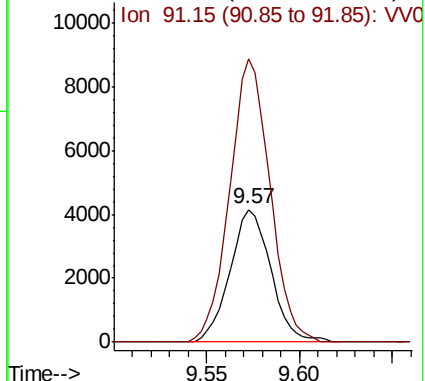
106 100

91 213.3 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.451 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV015408.D

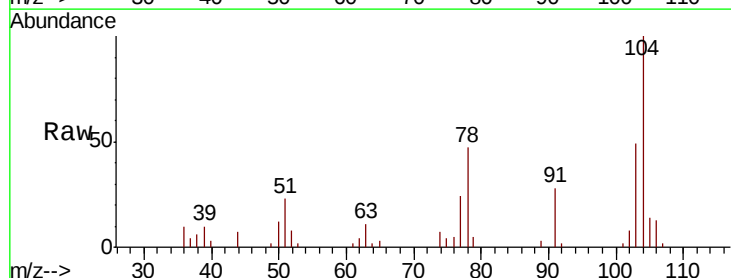
Acq: 06 Apr 2020 13:08

Tgt Ion:104 Resp: 10009

Ion Ratio Lower Upper

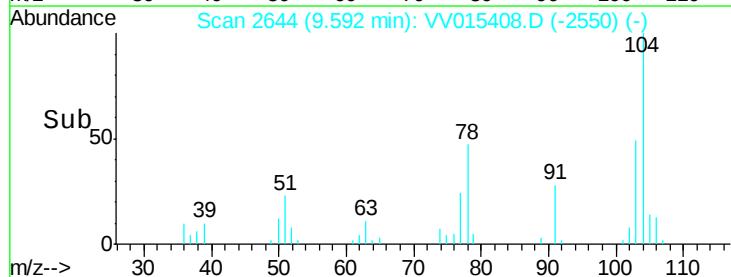
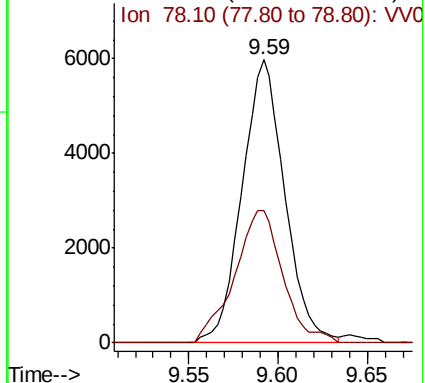
104 100

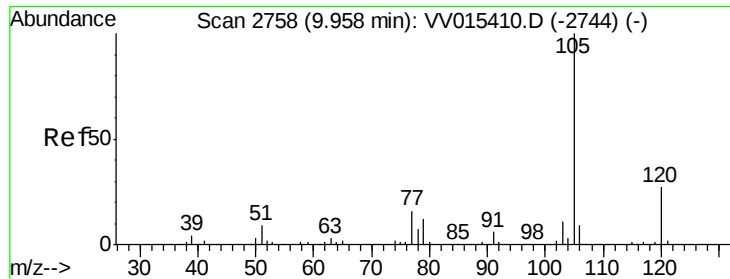
78 46.7 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.468 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

MSVOA_V

ClientSampled :

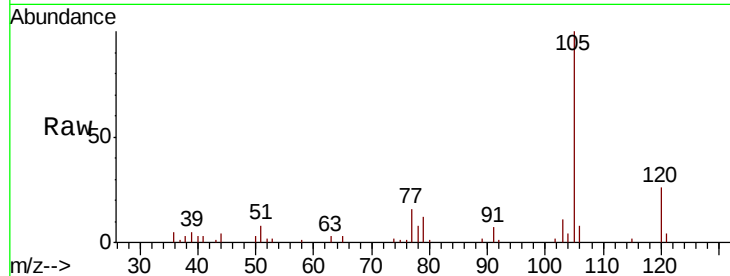
Tot Ion:105 Resp: 16769

Ion Ratio Lower Upper

105 100

120 27.4 21.2 31.8

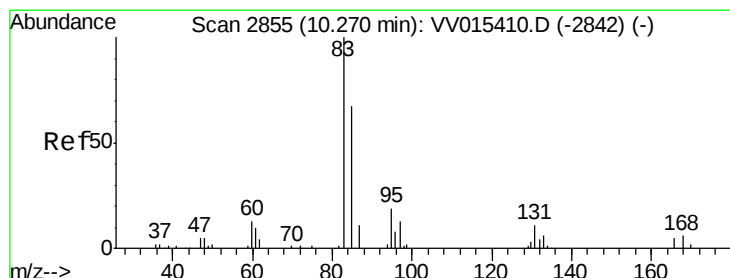
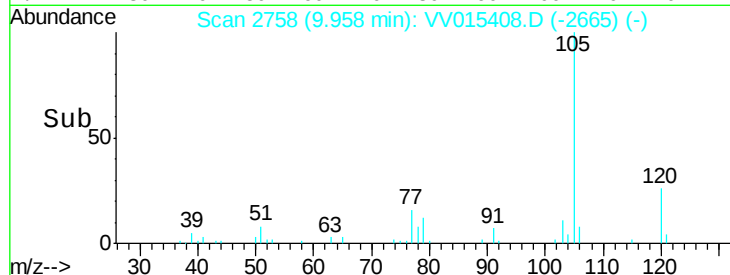
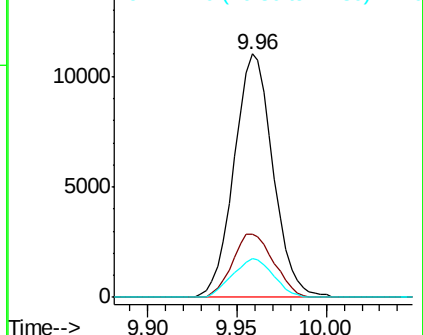
77 16.6 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): VV015408.D (-2665) (-)

Ion 120.10 (119.80 to 120.80): VV015408.D (-2665) (-)

Ion 77.10 (76.80 to 77.80): VV015408.D (-2665) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 0.419 ug/L

RT: 10.27 min Scan# 2855

Delta R.T. 0.00 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

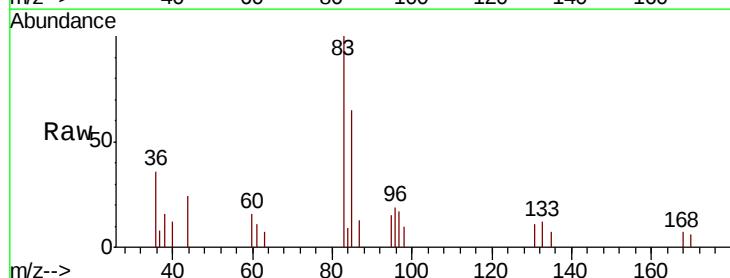
Tgt Ion: 83 Resp: 2570

Ion Ratio Lower Upper

83 100

85 64.7 46.7 86.7

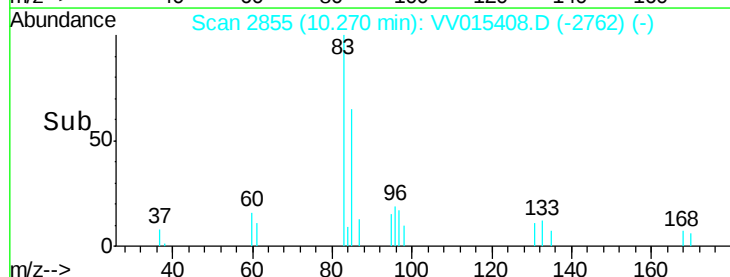
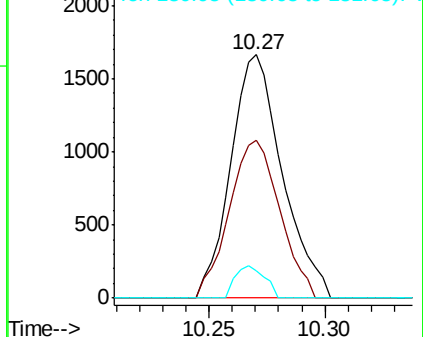
131 11.4 8.5 12.7

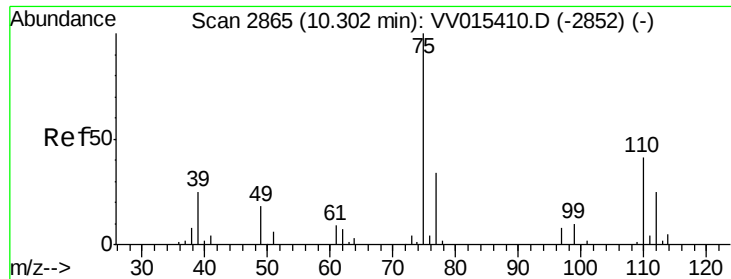


Abundance Ion 82.95 (82.65 to 83.65): VV015408.D (-2762) (-)

Ion 85.00 (84.70 to 85.70): VV015408.D (-2762) (-)

Ion 130.95 (130.65 to 131.65): VV015408.D (-2762) (-)

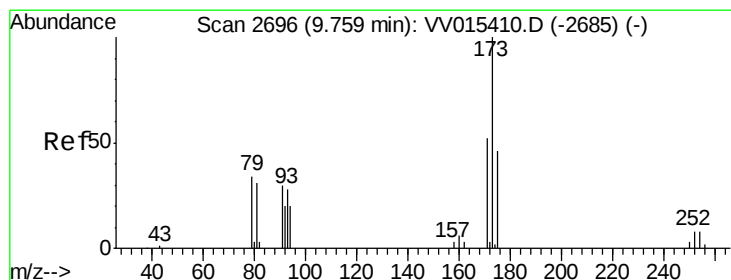
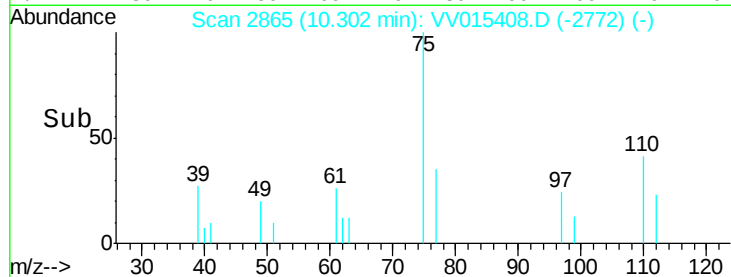
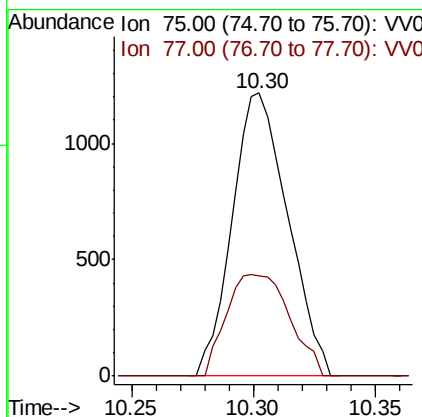
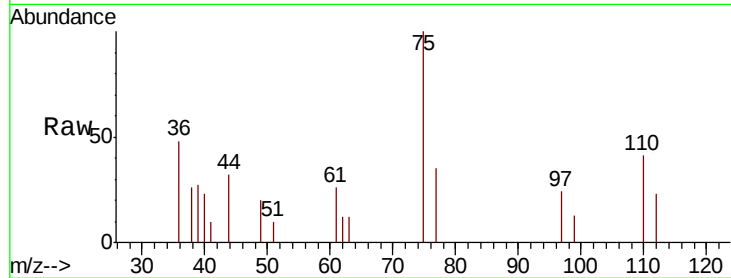




#59
 1,2,3-Trichloropropane
 Concen: 0.428 ug/L
 RT: 10.30 min Scan# 2865
 Delta R.T. 0.00 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

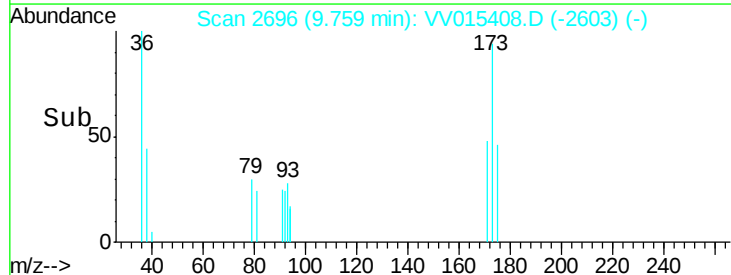
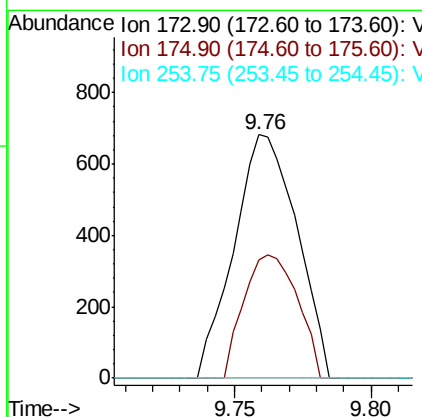
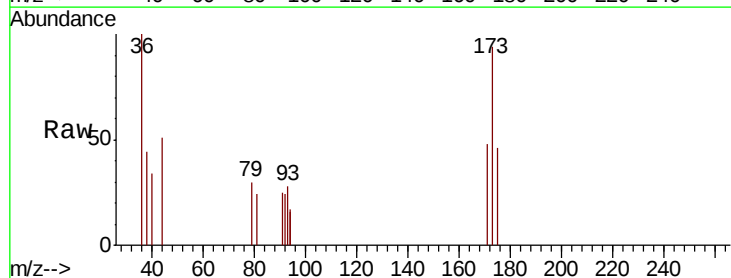
Instrument :
 MSVOA_V
 ClientSampleId :

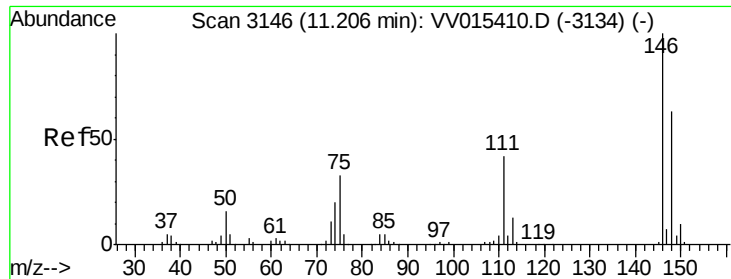
Tot Ion: 75 Resp: 1923
 Ion Ratio Lower Upper
 75 100
 77 40.8 27.7 41.5



#61
 Bromoform
 Concen: 0.432 ug/L
 RT: 9.76 min Scan# 2696
 Delta R.T. 0.00 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Tgt Ion: 173 Resp: 1091
 Ion Ratio Lower Upper
 173 100
 175 43.4 37.8 56.8
 254 0.0 5.4 8.2#

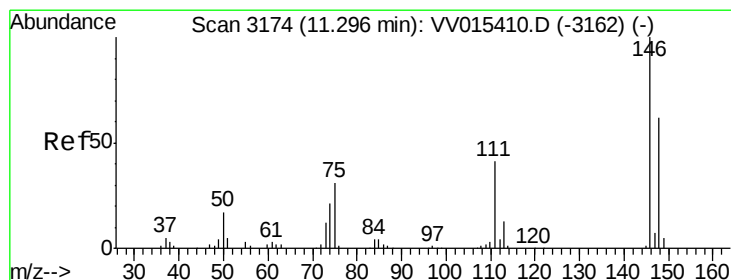
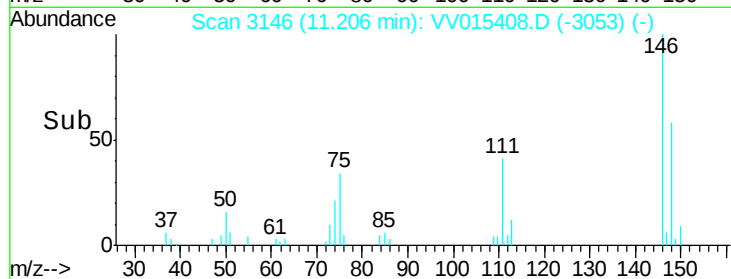
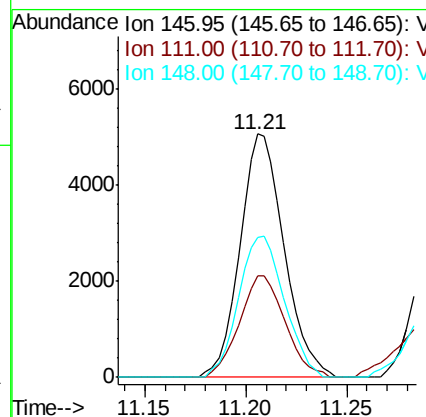
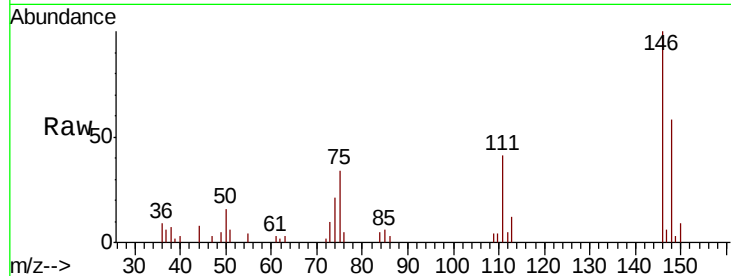




#62
 1,3-Dichlorobenzene
 Concen: 0.520 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

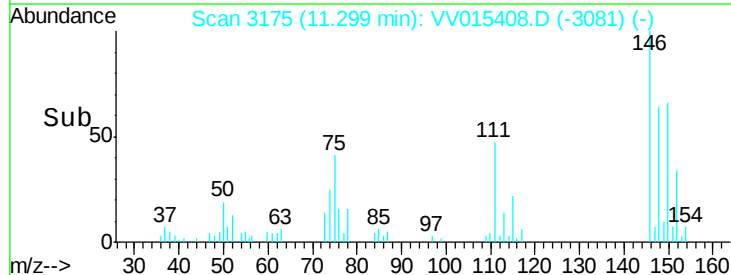
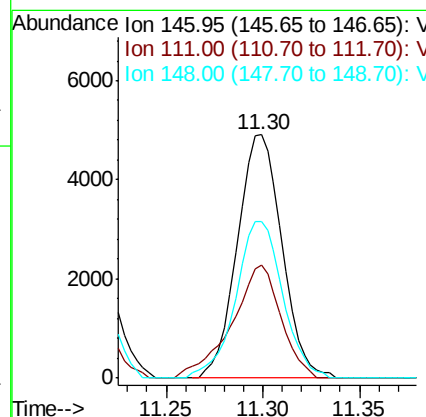
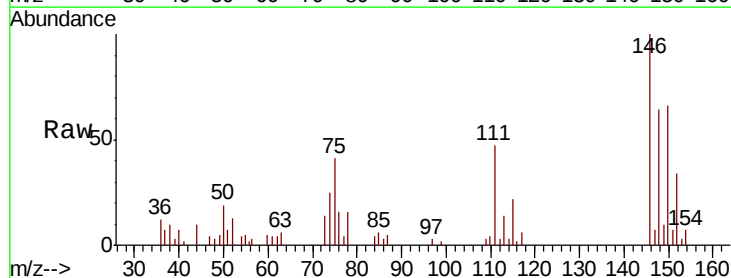
Instrument :
 MSVOA_V
 ClientSampleId :

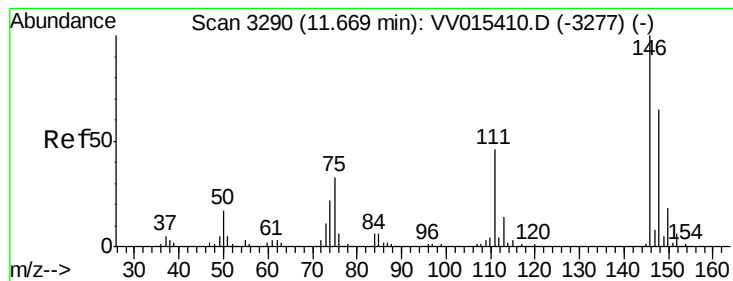
Tot Ion:146 Resp: 7756
 Ion Ratio Lower Upper
 146 100
 111 41.5 29.1 54.1
 148 57.6 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 0.515 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.00 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Tgt Ion:146 Resp: 7874
 Ion Ratio Lower Upper
 146 100
 111 46.6 28.8 53.4
 148 64.5 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 0.476 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

MSVOA_V

ClientSampled :

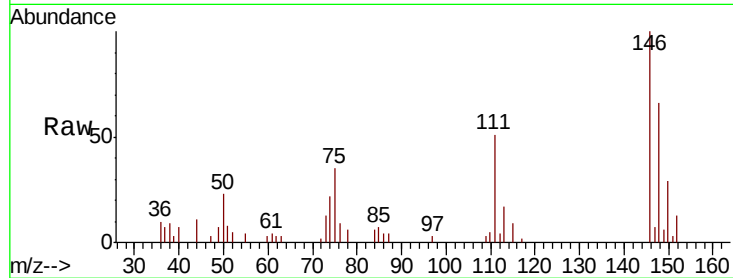
Tot Ion:146 Resp: 6525

Ion Ratio Lower Upper

146 100

111 50.6 37.1 55.7

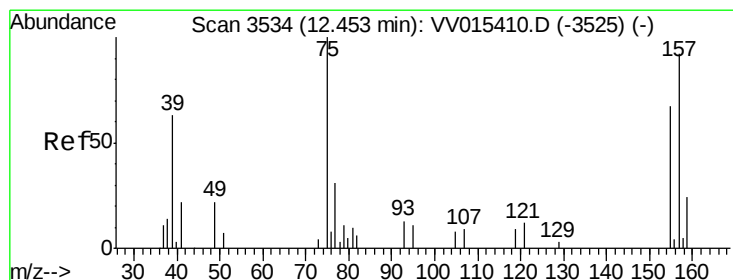
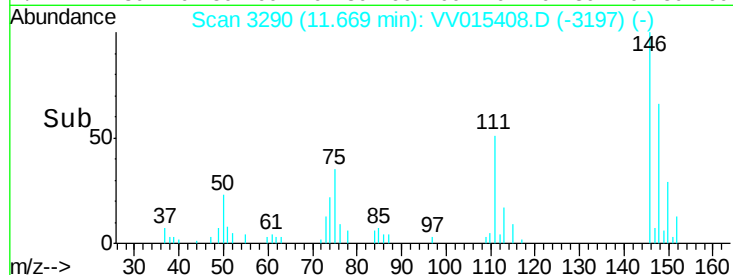
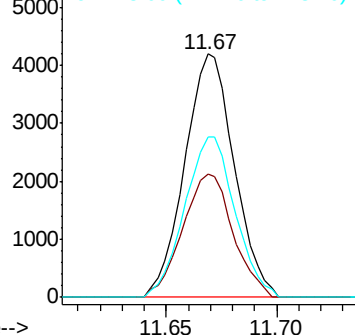
148 65.6 51.6 77.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.549 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

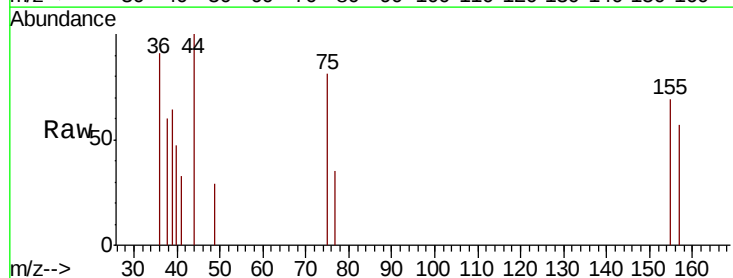
Tgt Ion: 75 Resp: 512

Ion Ratio Lower Upper

75 100

155 85.2 53.8 80.8#

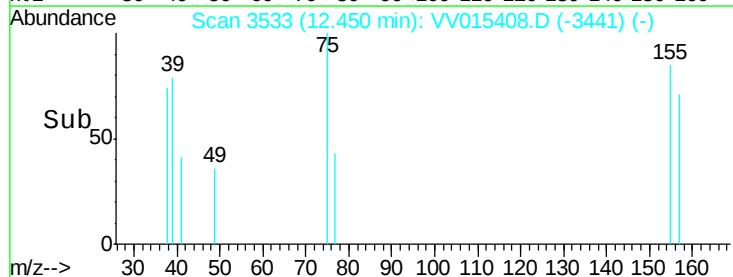
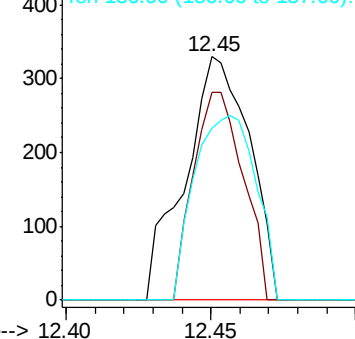
157 70.6 73.9 110.9#

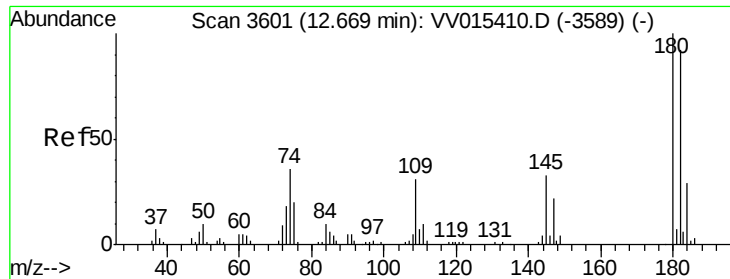


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

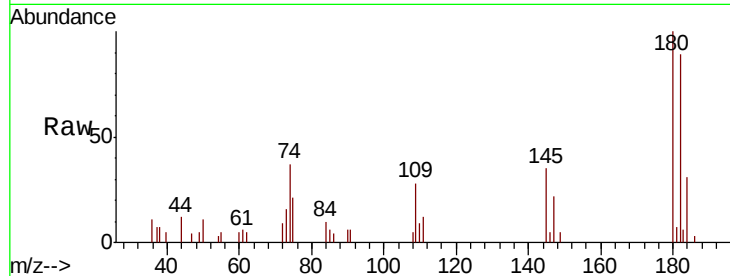




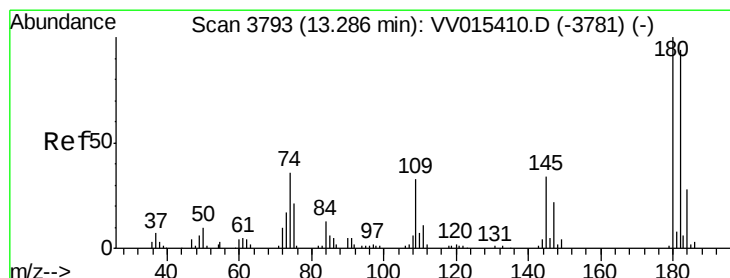
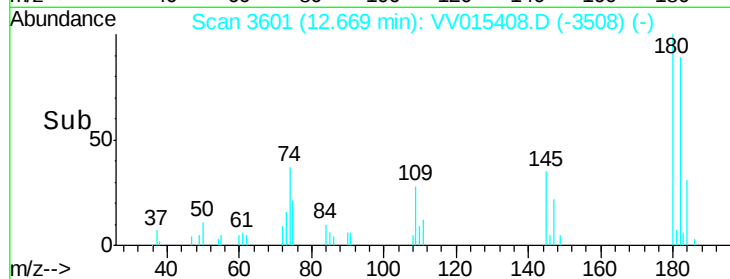
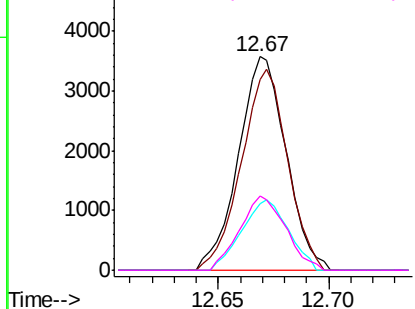
#67
 1,3,5-Trichlorobenzene
 Concen: 0.458 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 5366
 Ion Ratio Lower Upper
 180 100
 182 91.1 74.5 111.7
 184 32.3 23.0 34.4
 145 33.4 26.4 39.6

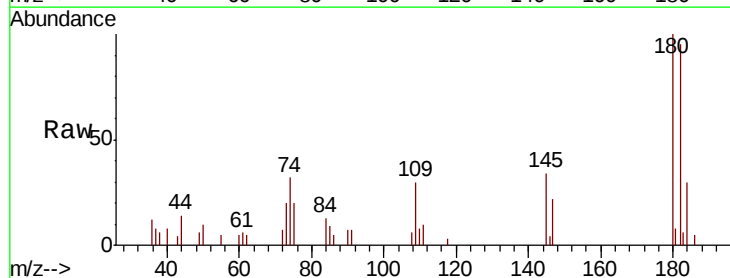


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

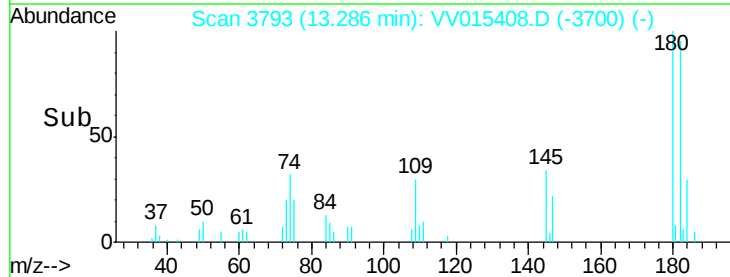
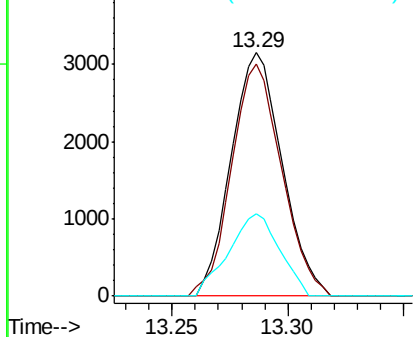


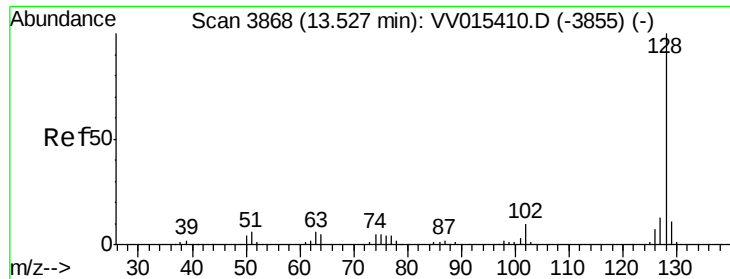
#68
 1,2,4-trichlorobenzene
 Concen: 0.476 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015408.D
 Acq: 06 Apr 2020 13:08

Tgt Ion:180 Resp: 4808
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.4 113.2
 145 33.6 28.0 42.0



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: 0.875 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

Instrument :

MSVOA_V

ClientSampleId :

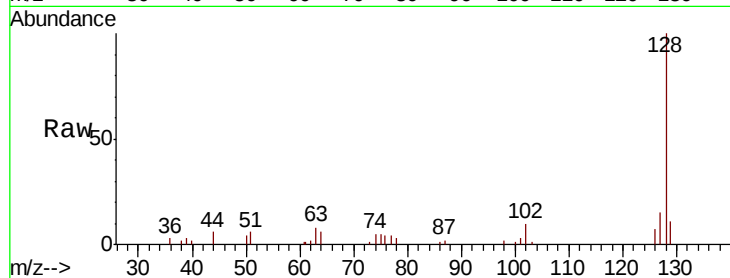
Tot Ion:128 Resp: 14924

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

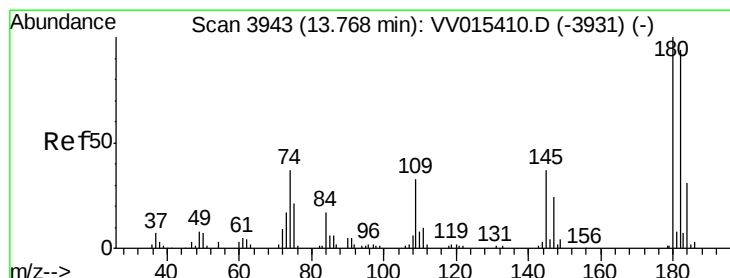
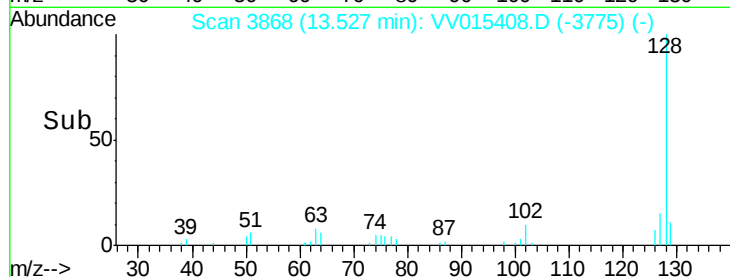
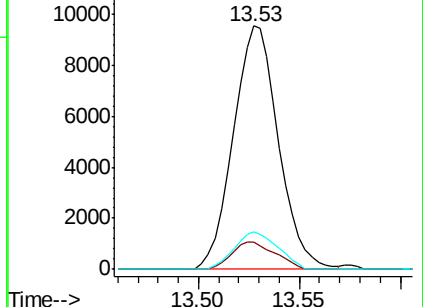
127 14.9 10.1 15.1



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



#70

1,2,3-Trichlorobenzene

Concen: 0.431 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015408.D

Acq: 06 Apr 2020 13:08

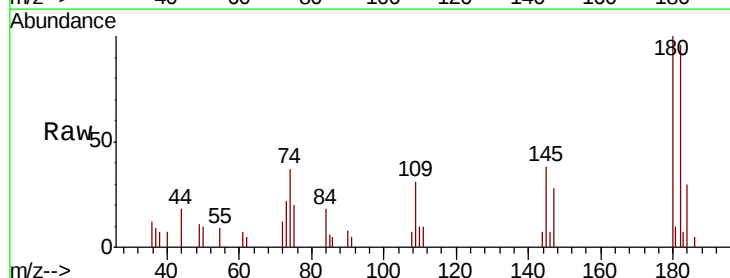
Tgt Ion:180 Resp: 3874

Ion Ratio Lower Upper

180 100

182 101.6 75.0 112.4

145 36.1 29.3 43.9



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

