

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040620\
 Data File : VV015409.D
 Acq On : 06 Apr 2020 13:37
 Operator : SY/MD
 Sample : VSTD00134
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 07 02:08:24 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	5.65	114	105108	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	103444	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	49275	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7159	0.90	ug/L	0.00
7) Chloroethane-d5	1.59	69	6578	1.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	16068	1.12	ug/L	0.00
20) 2-Butanone-d5	4.01	46	16525	9.87	ug/L	0.00
24) Chloroform-d	4.38	84	13575	0.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	7073	0.94	ug/L	0.00
32) Benzene-d6	5.06	84	24771	0.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	7955	0.90	ug/L	0.00
41) Toluene-d8	7.36	98	22586	0.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2885	0.83	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	12742	9.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	5091	0.80	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	8074	0.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9612	0.859 ug/L	100
3) Chloromethane	1.25	50	10037	0.955 ug/L	99
5) Vinyl chloride	1.32	62	10396	1.045 ug/L	100
6) Bromomethane	1.55	94	6488	1.131 ug/L	96
8) Chloroethane	1.61	64	6460	1.139 ug/L	95
9) Trichlorofluoromethane	1.78	101	15147	1.101 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9474	1.264 ug/L	97
12) 1,1-Dichloroethene	2.15	96	9220	1.299 ug/L	98
13) Acetone	2.27	43	11705	10.373 ug/L	97
14) Carbon disulfide	2.32	76	29016	1.220 ug/L	99
15) Methyl Acetate	2.49	43	3491	1.159 ug/L #	89
16) Methylene chloride	2.54	84	11587	1.348 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	20469	1.114 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	9754	1.180 ug/L	96
19) 1,1-Dichloroethane	3.22	63	16685	1.056 ug/L	99
21) 2-Butanone	4.09	43	17575	9.223 ug/L #	66
22) cis-1,2-Dichloroethene	3.95	96	9854	1.118 ug/L #	93
23) Bromochloromethane	4.28	128	4123	1.156 ug/L	89
25) Chloroform	4.41	83	19203	1.183 ug/L	99
27) 1,2-Dichloroethane	5.17	62	7707	0.848 ug/L #	94
29) 1,1,1-Trichloroethane	4.63	97	16801	1.197 ug/L	96
30) Cyclohexane	4.69	56	16377	1.070 ug/L	96
31) Carbon tetrachloride	4.84	117	15005	1.238 ug/L	96
33) Benzene	5.12	78	26285	0.792 ug/L	100
34) Trichloroethene	5.94	95	7591	0.878 ug/L	95
35) Methylcyclohexane	6.15	83	13497	0.905 ug/L	93
37) 1,2-Dichloropropane	6.21	63	6383	0.782 ug/L #	90
38) Bromodichloromethane	6.56	83	8967	0.877 ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	10092	0.834 ug/L	95
40) 4-Methyl-2-pentanone	7.29	43	36000	7.482 ug/L	98

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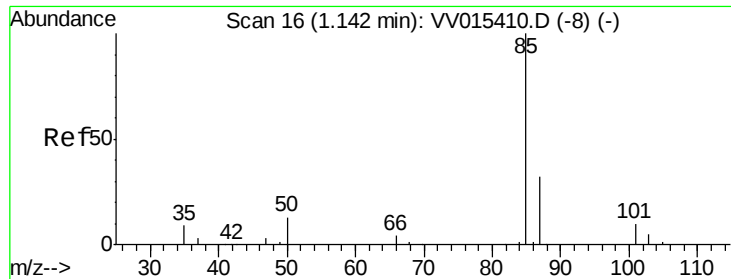
Quant Time: Apr 07 02:08:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040620WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

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

42) Toluene	7.43	91	31370	0.900	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	8197	0.869	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	5045	0.940	ug/L	96
47) Tetrachloroethene	8.01	164	5325	0.784	ug/L	88
48) 2-Hexanone	8.19	43	24676	7.202	ug/L	98
49) Dibromochloromethane	8.29	129	5668	0.932	ug/L	94
50) 1,2-Dibromoethane	8.40	107	4584	0.894	ug/L #	94
51) Chlorobenzene	8.92	112	20338	0.913	ug/L	98
52) Ethylbenzene	9.05	91	36020	0.903	ug/L	97
53) m,p-xylene	9.17	106	13718	0.931	ug/L	98
54) o-xylene	9.57	106	13360	0.933	ug/L	97
55) Styrene	9.59	104	21392	0.894	ug/L	99
56) Isopropylbenzene	9.96	105	35370	0.915	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.27	83	5392	0.815	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	4300	0.887	ug/L	98
61) Bromoform	9.76	173	2299	0.824	ug/L #	95
62) 1,3-Dichlorobenzene	11.21	146	15518	0.941	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	15857	0.939	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	14558	0.960	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.45	75	997	0.967	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.67	180	10493	0.810	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	9283	0.831	ug/L	100
69) Naphthalene	13.53	128	23031	1.222	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	8224	0.828	ug/L	98

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

```
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ALS Vial  : 2    Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 0.859 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.01 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_V

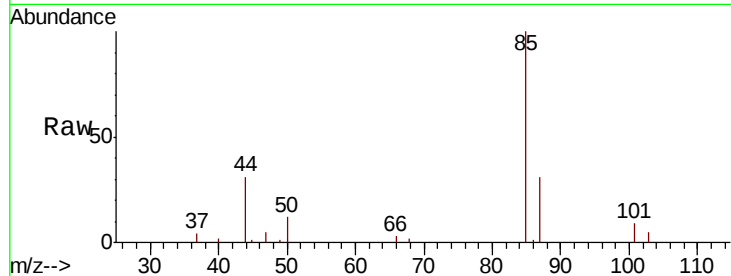
ClientSampleId :

Tot Ion: 85 Resp: 9612

Ion Ratio Lower Upper

85 100

87 31.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

12000

10000

8000

6000

4000

2000

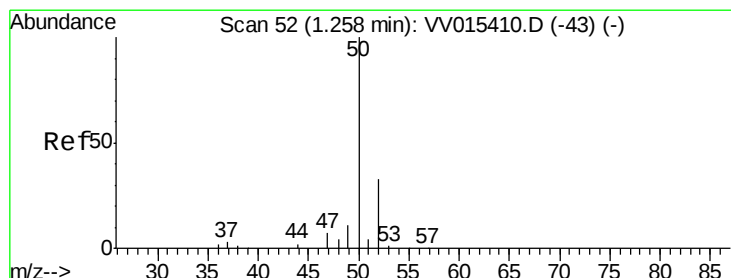
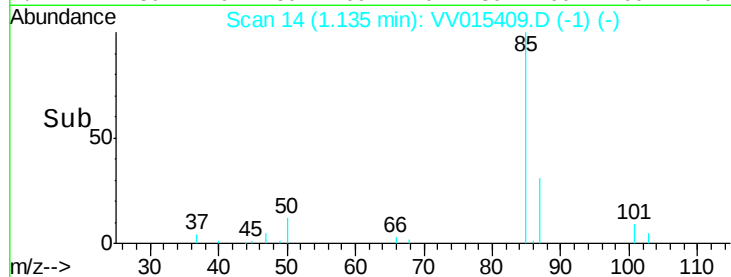
0

1.14

1.10

1.15

Time-->



#3

Chloromethane

Concen: 0.955 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.01 min

Lab File: VV015409.D

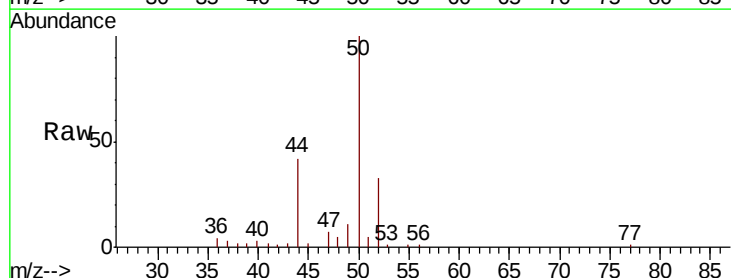
Acq: 06 Apr 2020 13:37

Tgt Ion: 50 Resp: 10037

Ion Ratio Lower Upper

50 100

52 33.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

10000

8000

6000

4000

2000

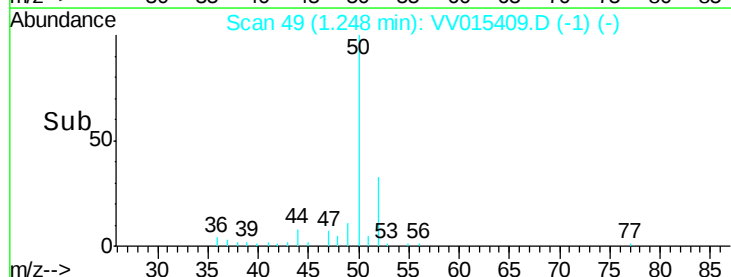
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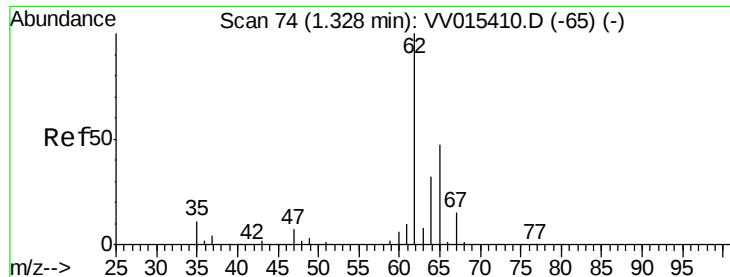
1.25

1.20

1.30

Time-->





#5

Vinyl chloride

Concen: 1.045 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.01 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_V

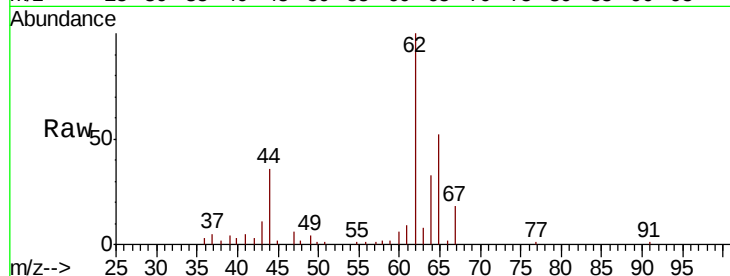
ClientSampled :

Tot Ion: 62 Resp: 10396

Ion Ratio Lower Upper

62 100

64 32.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

12000

10000

8000

6000

4000

2000

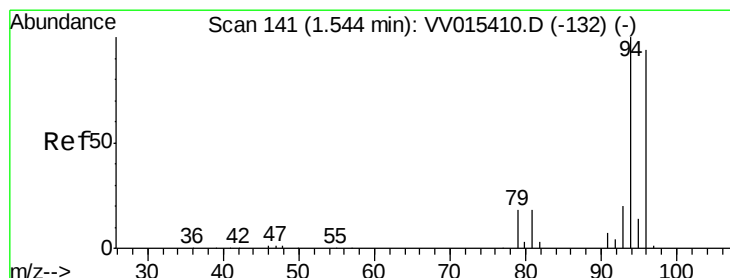
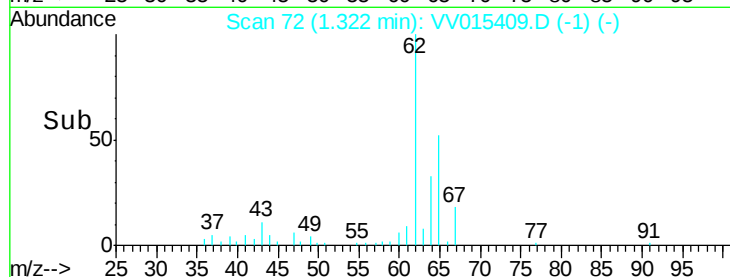
0

1.30

1.32

1.35

Time-->



#6

Bromomethane

Concen: 1.131 ug/L

RT: 1.55 min Scan# 142

Delta R.T. 0.00 min

Lab File: VV015409.D

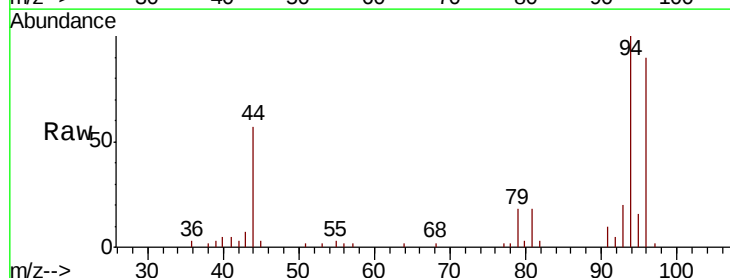
Acq: 06 Apr 2020 13:37

Tgt Ion: 94 Resp: 6488

Ion Ratio Lower Upper

94 100

96 90.3 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

6000

5000

4000

3000

2000

1000

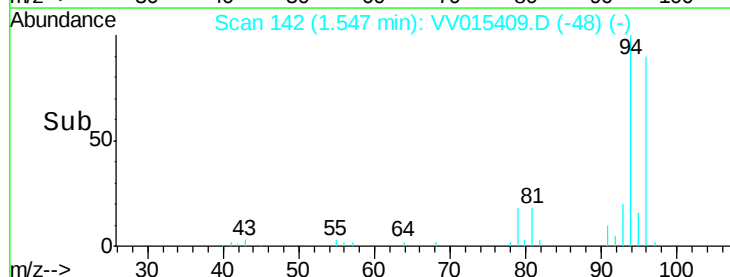
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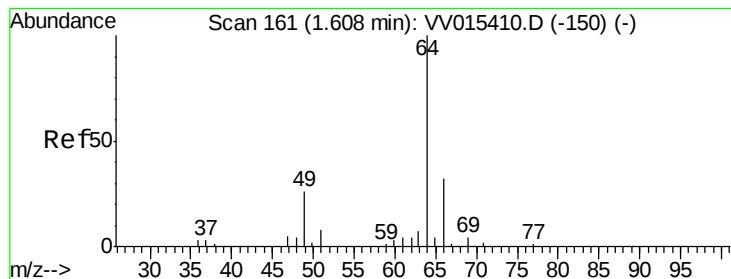
1.50

1.55

1.60

Time-->





#8

Chloroethane

Concen: 1.139 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_V

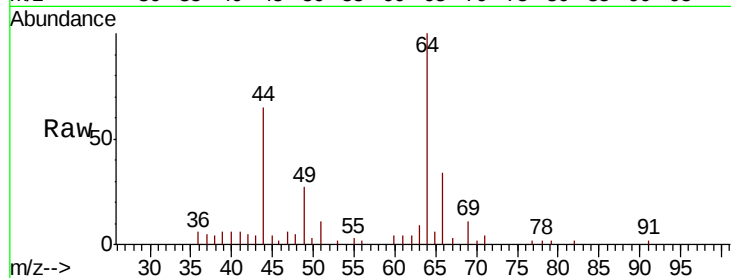
ClientSampleId :

Tot Ion: 64 Resp: 6460

Ion Ratio Lower Upper

64 100

66 34.2 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VV015409.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV015409.D (-150) (-)

1.61

6000

5000

4000

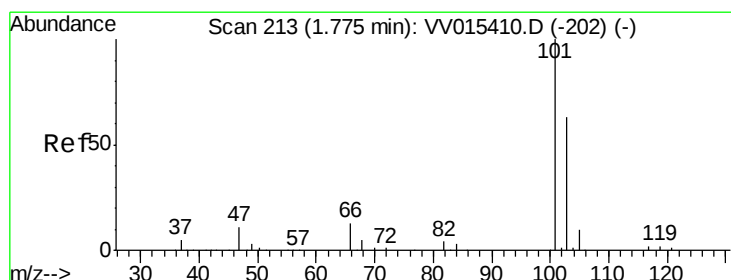
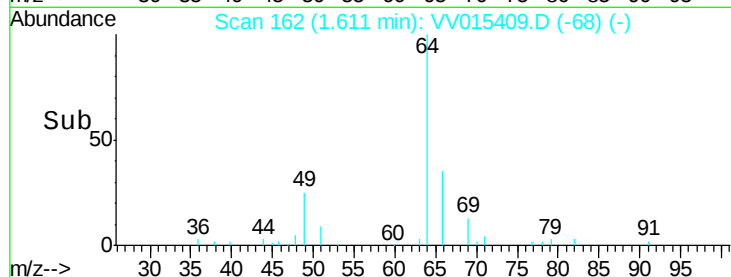
3000

2000

1000

0

Time-->



#9

Trichlorofluoromethane

Concen: 1.101 ug/L

RT: 1.78 min Scan# 214

Delta R.T. 0.00 min

Lab File: VV015409.D

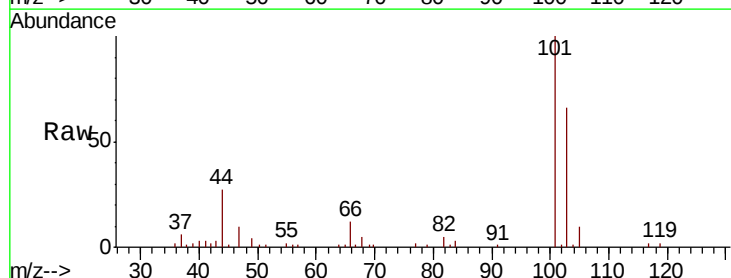
Acq: 06 Apr 2020 13:37

Tgt Ion:101 Resp: 15147

Ion Ratio Lower Upper

101 100

103 66.3 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV015409.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV015409.D (-202) (-)

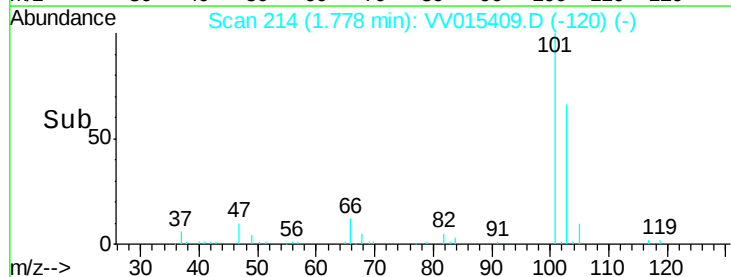
1.78

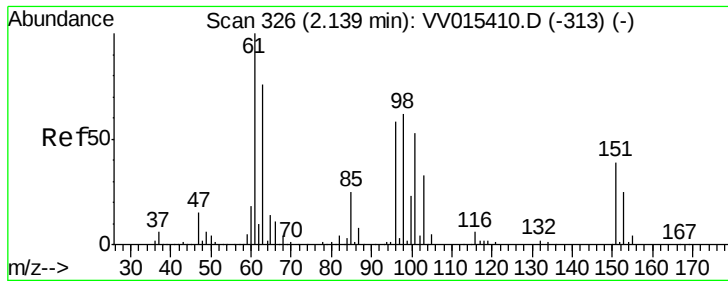
10000

5000

0

Time-->





#10

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

Concen: 1.264 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

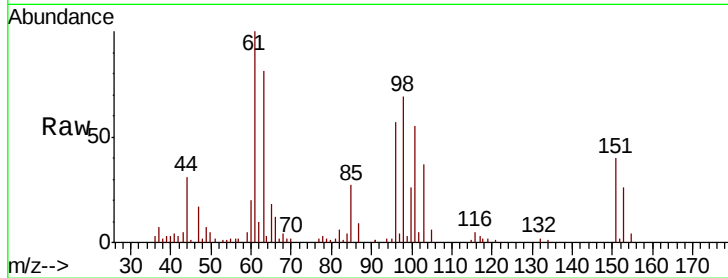
Tot Ion:101 Resp: 9474

Ion Ratio Lower Upper

101 100

85 48.9 36.2 54.4

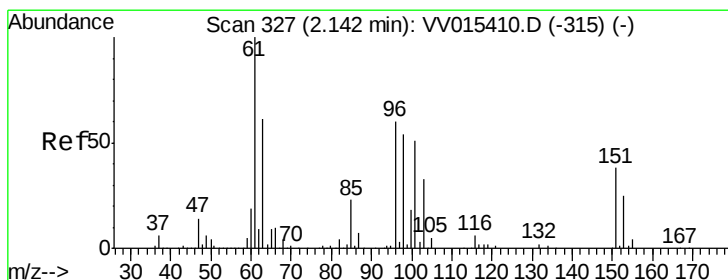
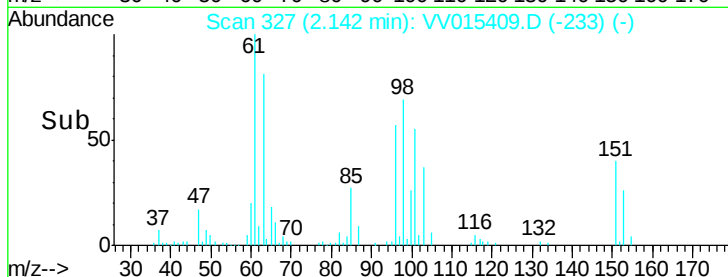
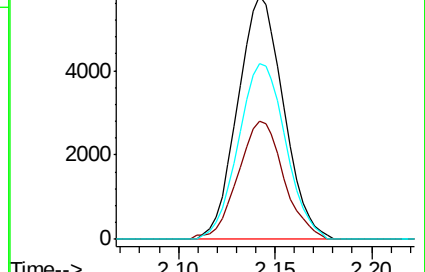
151 74.7 58.4 87.6



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: 1.299 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

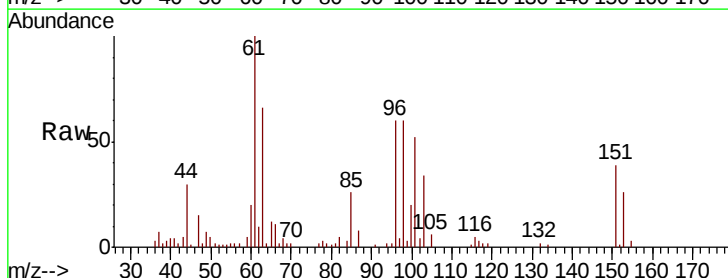
Tgt Ion: 96 Resp: 9220

Ion Ratio Lower Upper

96 100

61 166.8 117.1 217.5

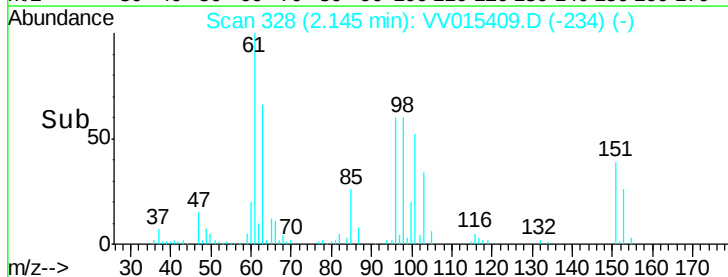
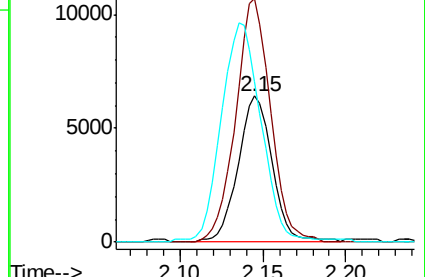
63 110.2 72.9 135.5

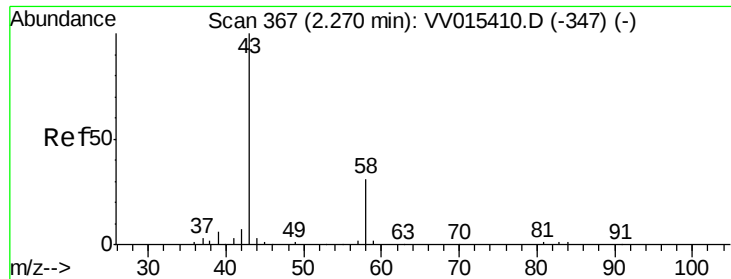


Abundance Ion 96.00 (95.70 to 96.70): VV015410.D (-315) (-)

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: 10.373 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

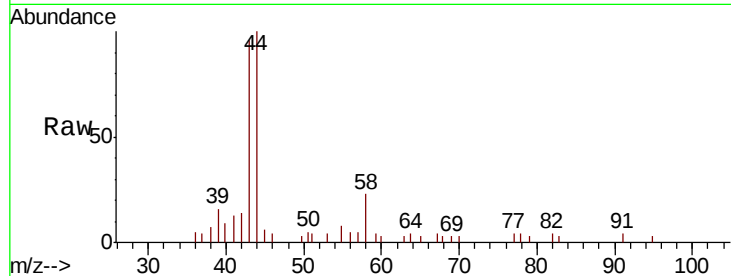
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 11705

Ion Ratio Lower Upper

43 100

58 29.0 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) (-)

2.27

4000

3000

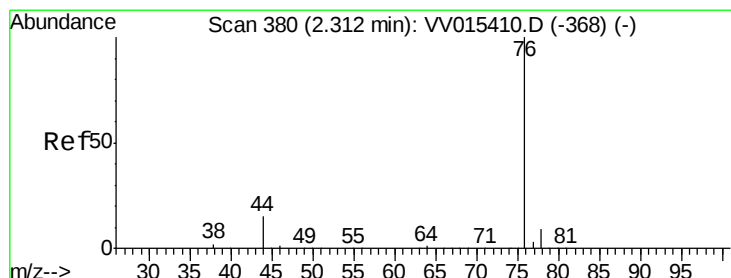
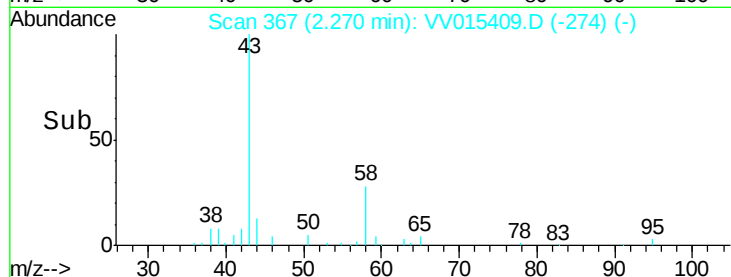
2000

1000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 1.220 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV015409.D

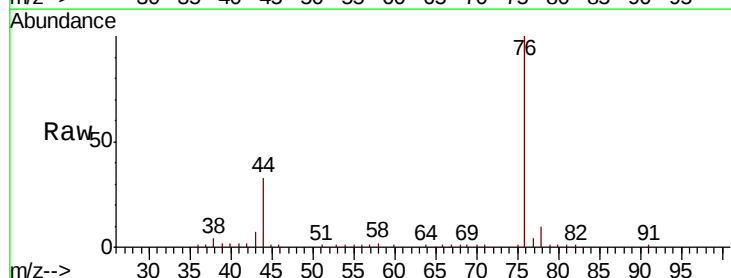
Acq: 06 Apr 2020 13:37

Tgt Ion: 76 Resp: 29016

Ion Ratio Lower Upper

76 100

78 9.8 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) (-)

2.32

20000

15000

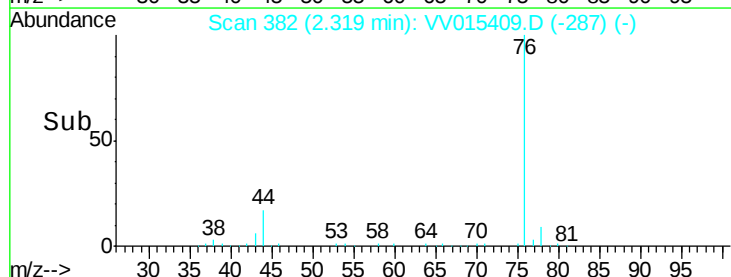
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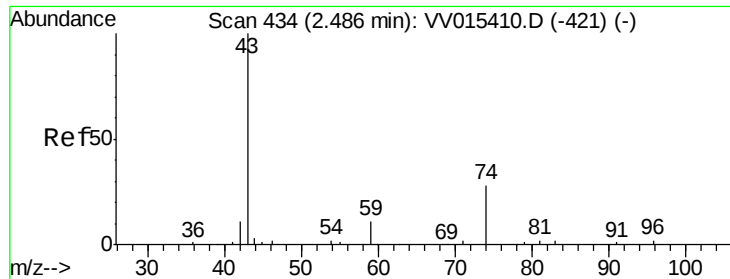
5000

0

Time-->

2.25 2.30 2.35

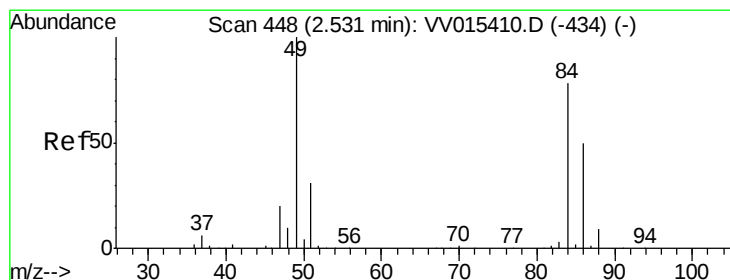
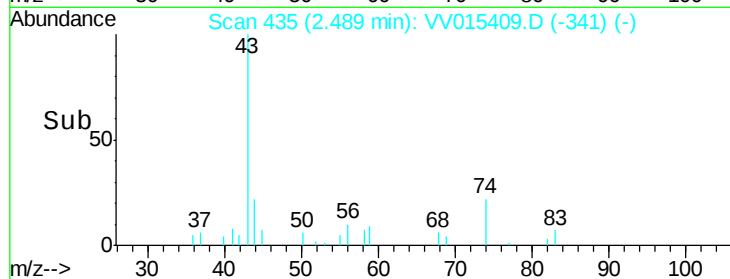
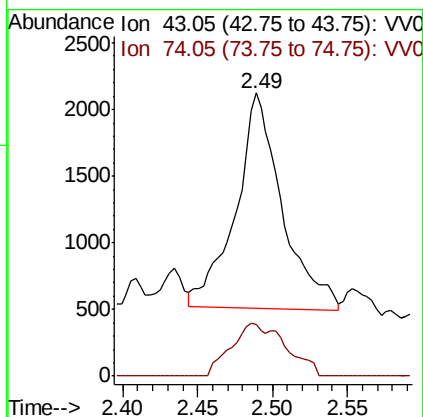
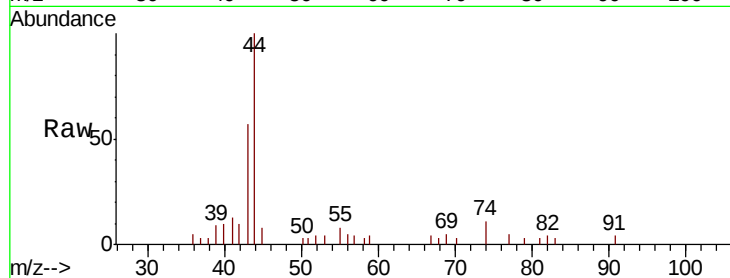




#15
Methyl Acetate
Concen: 1.159 ug/L
RT: 2.49 min Scan# 435
Delta R.T. 0.00 min
Lab File: VV015409.D
Acq: 06 Apr 2020 13:37

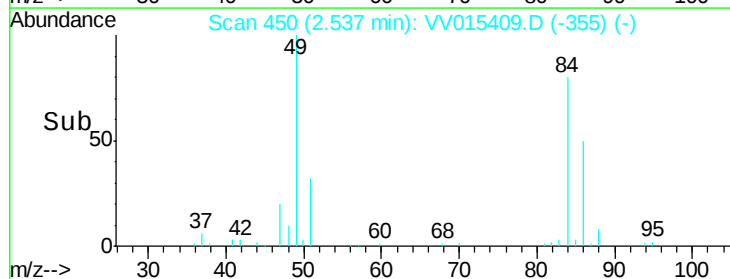
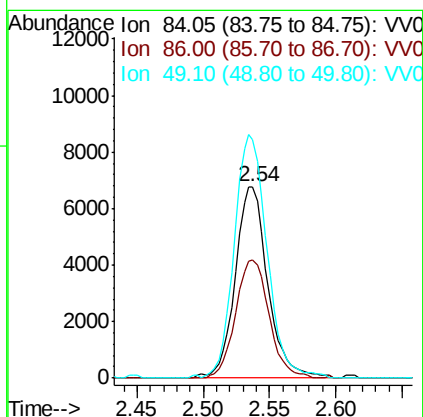
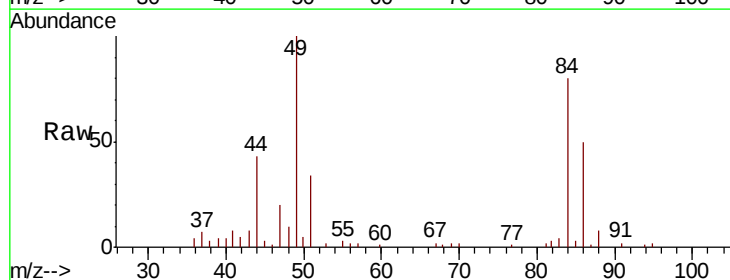
Instrument :
MSVOA_V
ClientSampled :

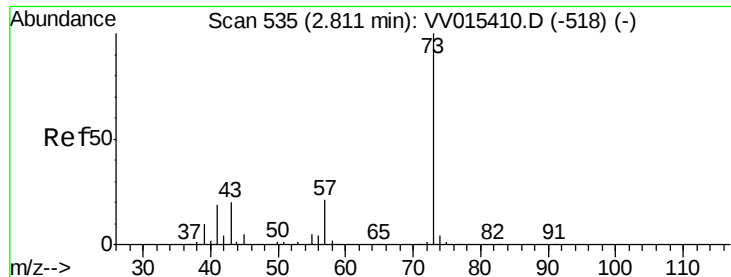
Tot Ion: 43 Resp: 3491
Ion Ratio Lower Upper
43 100
74 28.8 18.6 28.0#



#16
Methylene chloride
Concen: 1.348 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV015409.D
Acq: 06 Apr 2020 13:37

Tgt Ion: 84 Resp: 11587
Ion Ratio Lower Upper
84 100
86 61.7 44.5 82.7
49 124.6 89.2 165.6

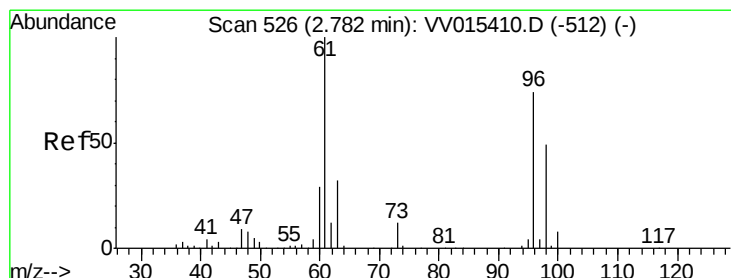
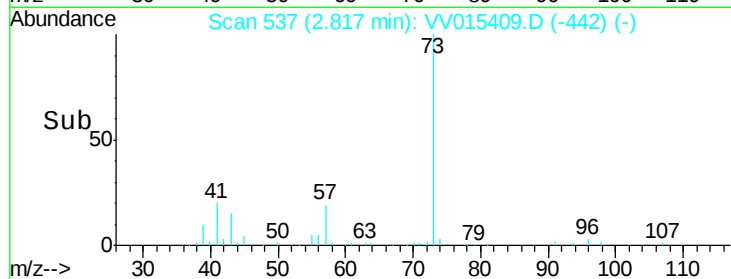
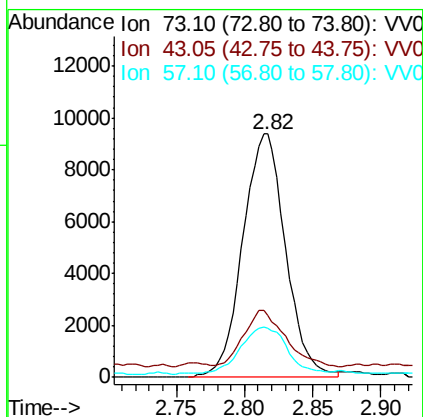
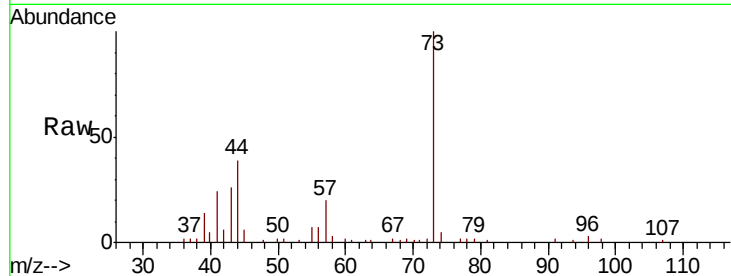




#17
Methvl tert-butvl Ether
Concen: 1.114 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.01 min
Lab File: VV015409.D
Acq: 06 Apr 2020 13:37

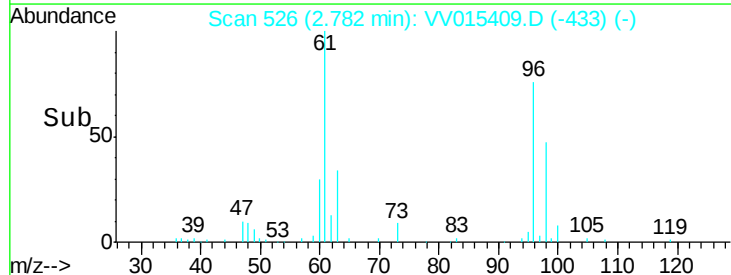
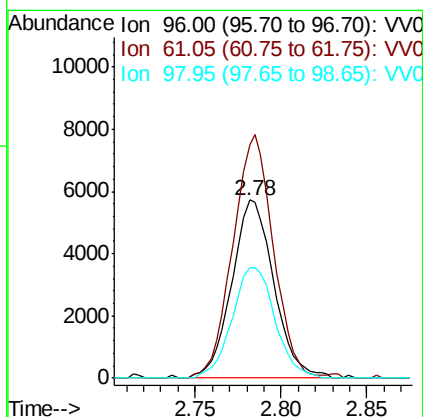
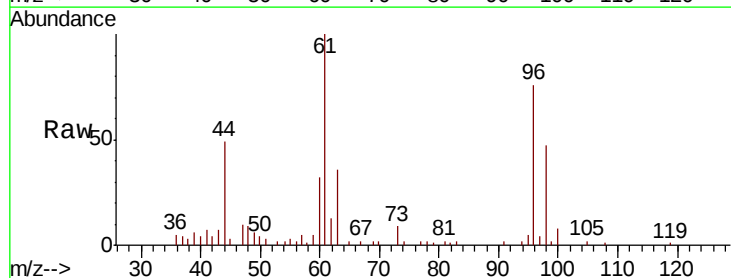
Instrument :
MSVOA_V
ClientSampleId :

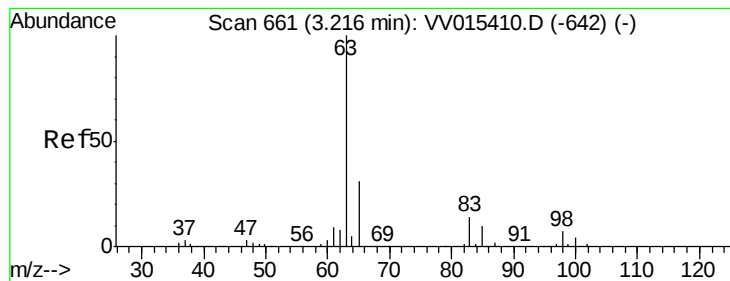
Tot Ion: 73 Resp: 20469
Ion Ratio Lower Upper
73 100
43 22.2 16.9 25.3
57 21.1 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 1.180 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV015409.D
Acq: 06 Apr 2020 13:37

Tgt Ion: 96 Resp: 9754
Ion Ratio Lower Upper
96 100
61 131.5 95.0 176.4
98 62.2 46.6 86.6





#19

1,1-Dichloroethane

Concen: 1.056 ug/L

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

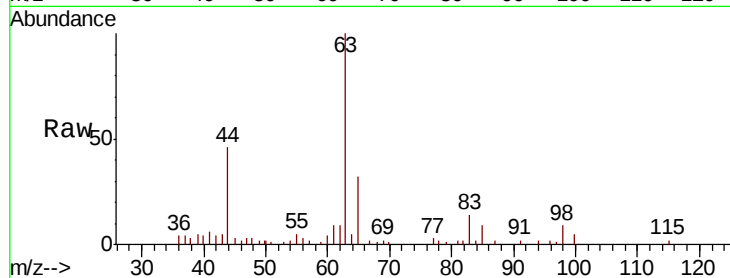
Tot Ion: 63 Resp: 16685

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.6

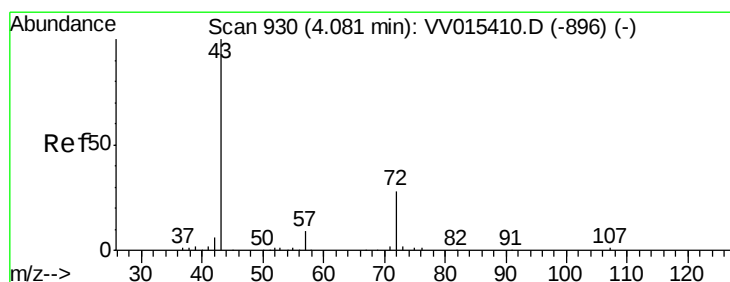
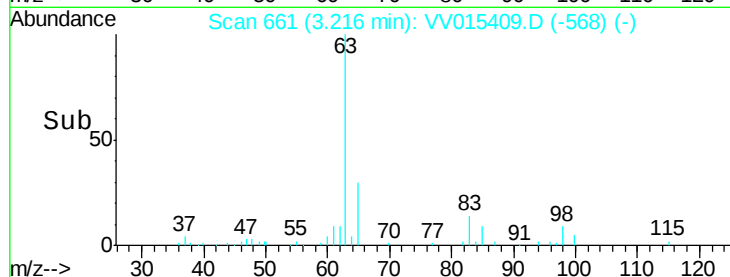
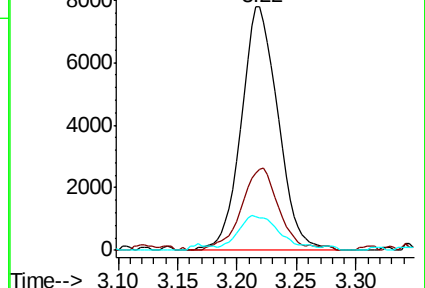
83 13.9 9.9 18.5



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 9.223 ug/L

RT: 4.09 min Scan# 932

Delta R.T. 0.01 min

Lab File: VV015409.D

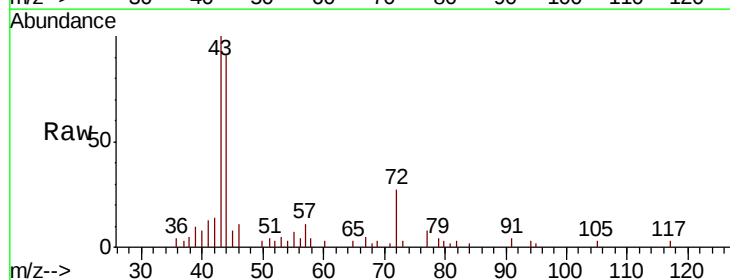
Acq: 06 Apr 2020 13:37

Tgt Ion: 43 Resp: 17575

Ion Ratio Lower Upper

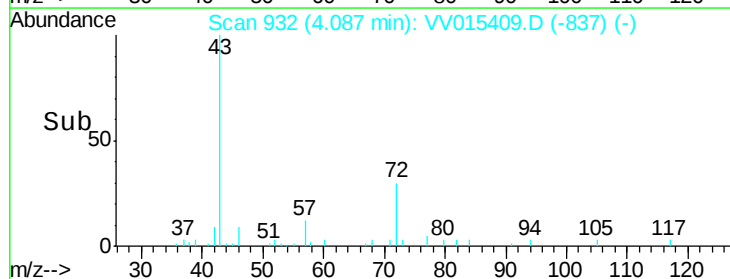
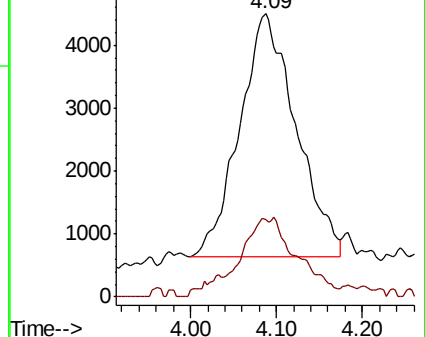
43 100

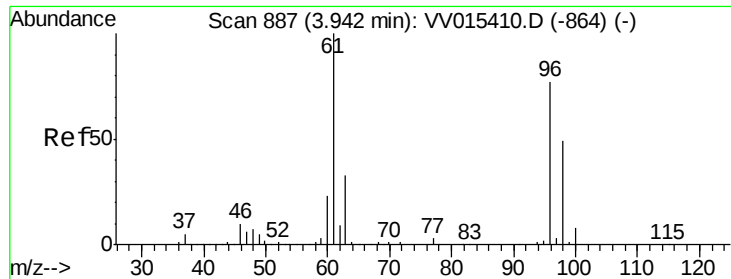
72 9.2 13.4 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



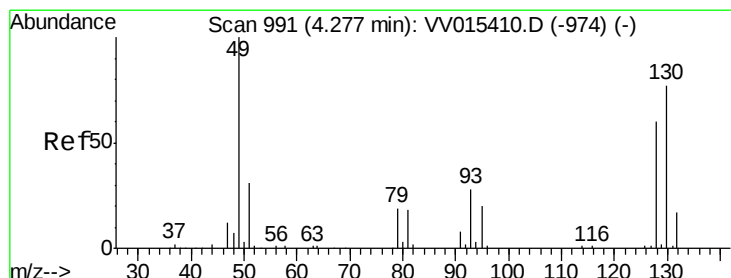
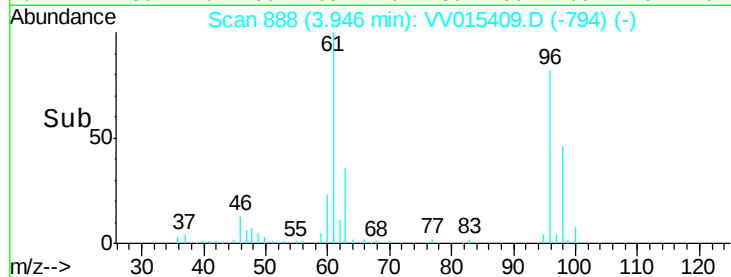
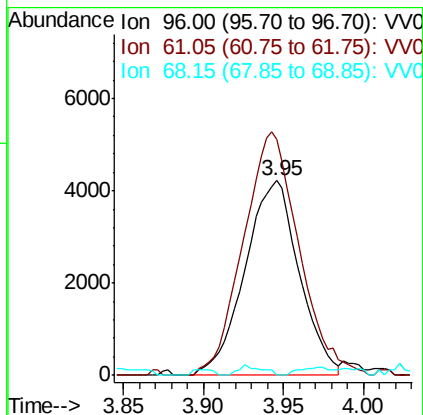
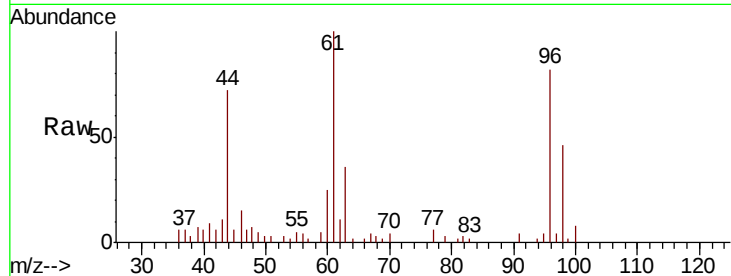


#22

cis-1,2-Dichloroethene
Concen: 1.118 ug/L
RT: 3.95 min Scan# 888
Delta R.T. 0.00 min
Lab File: VV015409.D
Acq: 06 Apr 2020 13:37

Instrument :
MSVOA_V
ClientSampleId :

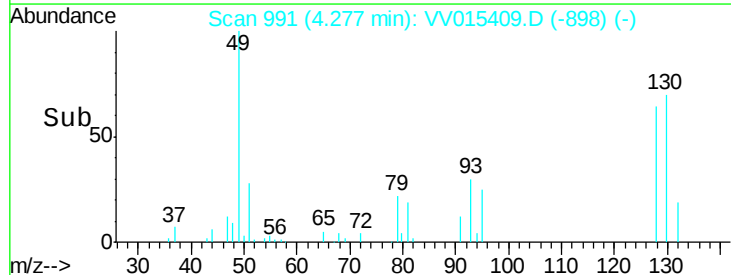
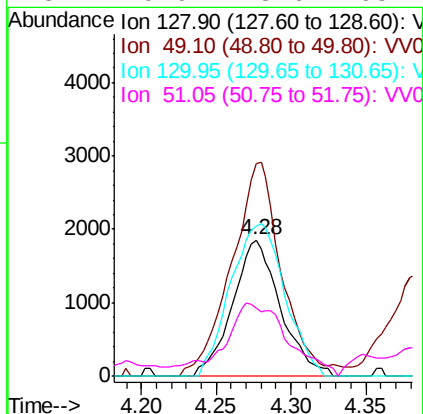
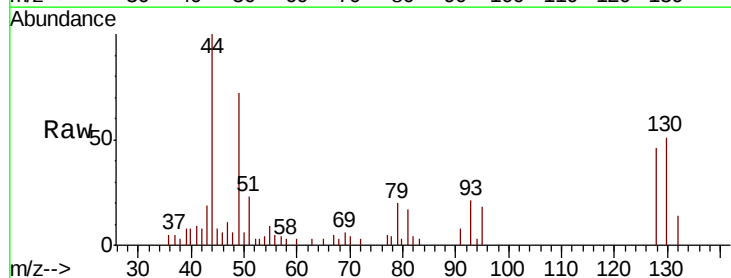
Tot Ion: 96 Resp: 9854
Ion Ratio Lower Upper
96 100
61 121.2 90.4 168.0
68 0.0 0.6 1.0#

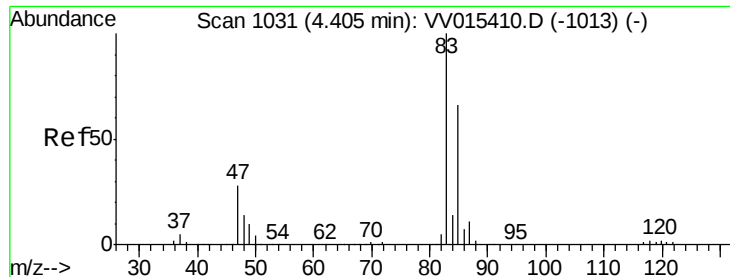


#23

Bromochloromethane
Concen: 1.156 ug/L
RT: 4.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VV015409.D
Acq: 06 Apr 2020 13:37

Tgt Ion: 128 Resp: 4123
Ion Ratio Lower Upper
128 100
49 156.8 117.3 217.9
130 110.5 90.4 168.0
51 49.9 43.6 65.4

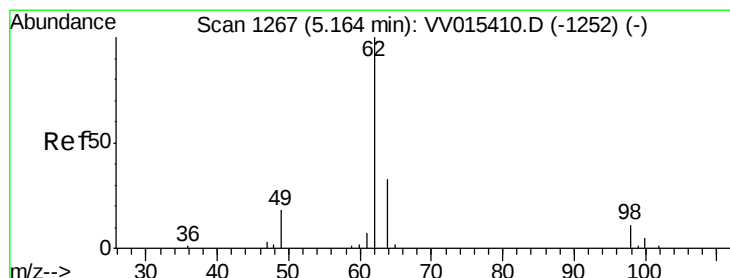
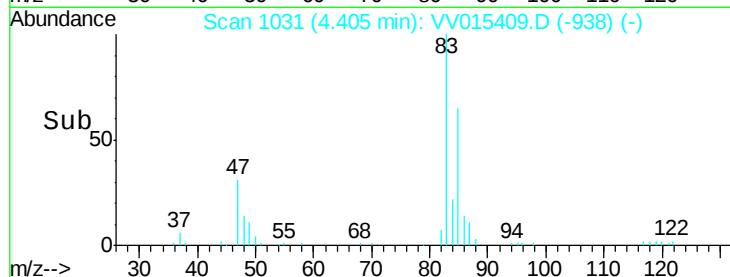
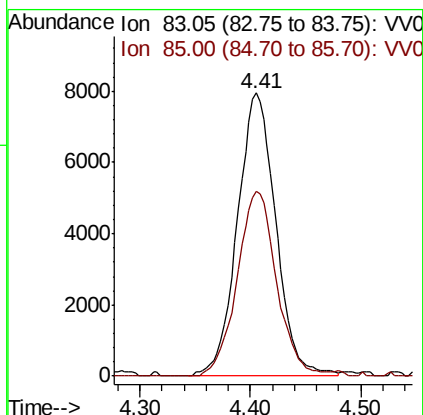
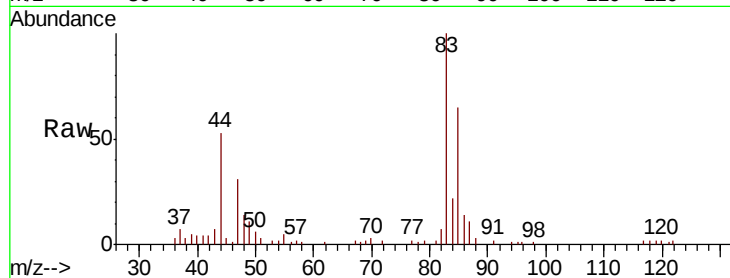




#25
Chloroform
Concen: 1.183 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV015409.D
Acq: 06 Apr 2020 13:37

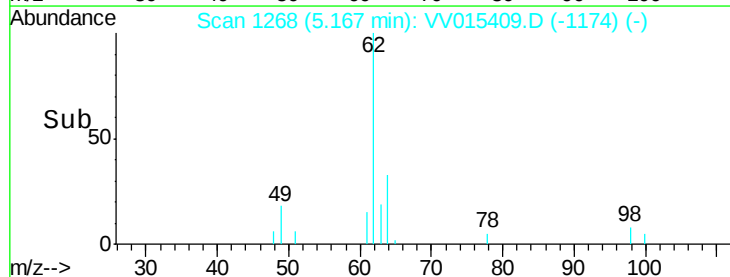
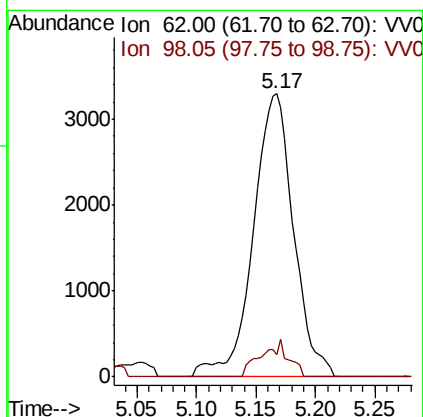
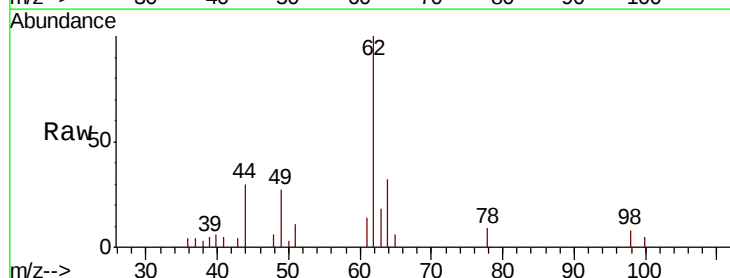
Instrument :
MSVOA_V
ClientSampled :

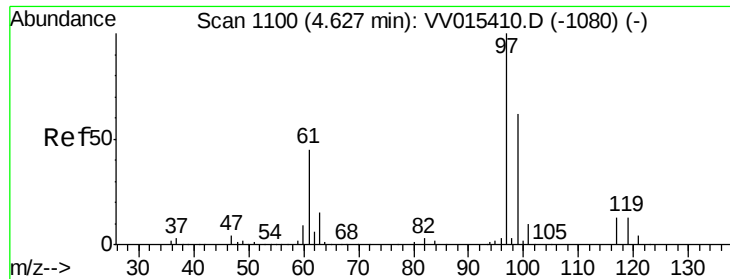
Tot Ion: 83 Resp: 19203
Ion Ratio Lower Upper
83 100
85 65.1 46.2 85.8



#27
1,2-Dichloroethane
Concen: 0.848 ug/L
RT: 5.17 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VV015409.D
Acq: 06 Apr 2020 13:37

Tgt Ion: 62 Resp: 7707
Ion Ratio Lower Upper
62 100
98 8.0 8.1 12.1#

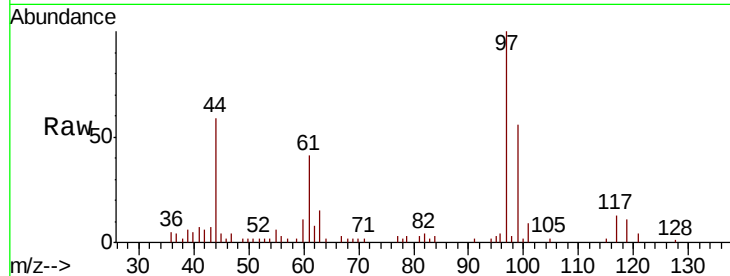




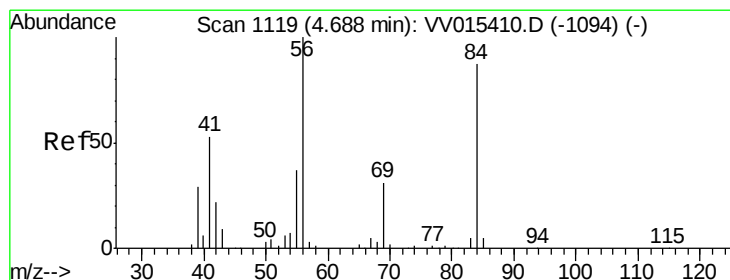
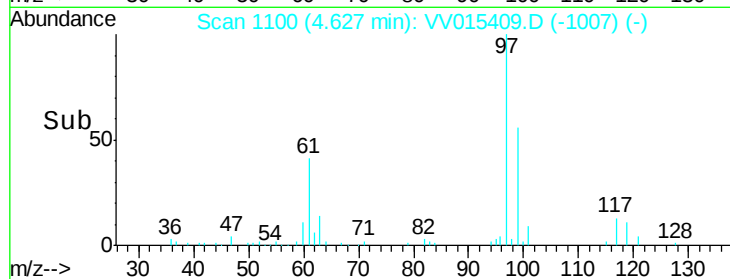
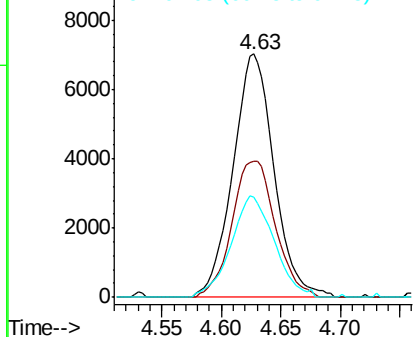
#29
 1,1,1-Trichloroethane
 Concen: 1.197 ug/L
 RT: 4.63 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 16801
 Ion Ratio Lower Upper
 97 100
 99 59.1 49.9 74.9
 61 43.6 36.2 54.4

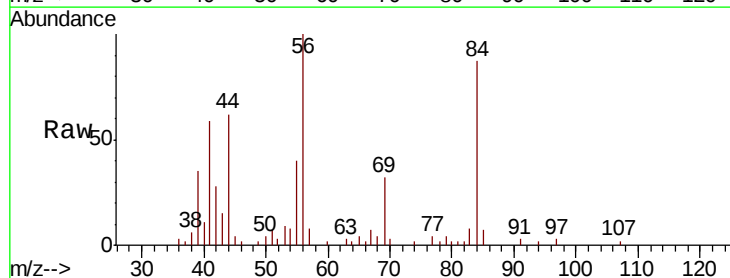


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

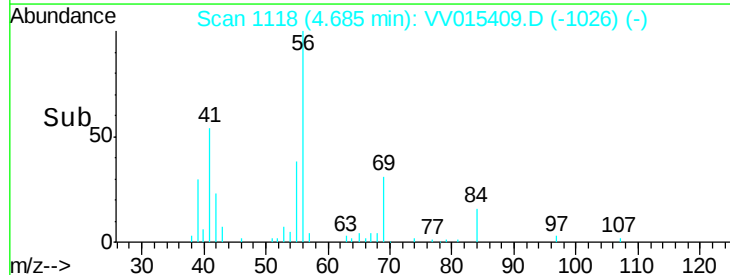
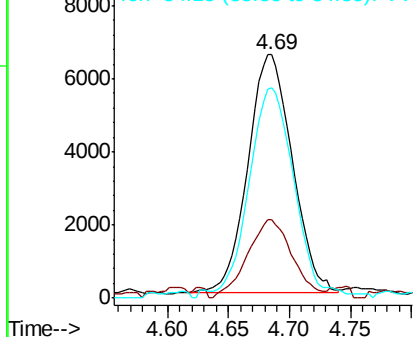


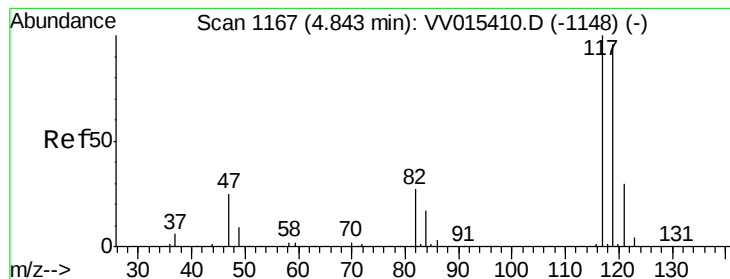
#30
 Cyclohexane
 Concen: 1.070 ug/L
 RT: 4.69 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Tgt Ion: 56 Resp: 16377
 Ion Ratio Lower Upper
 56 100
 69 33.2 25.4 38.0
 84 87.4 73.6 110.4



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 1.238 ug/L

RT: 4.84 min Scan# 1166

Delta R.T. -0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

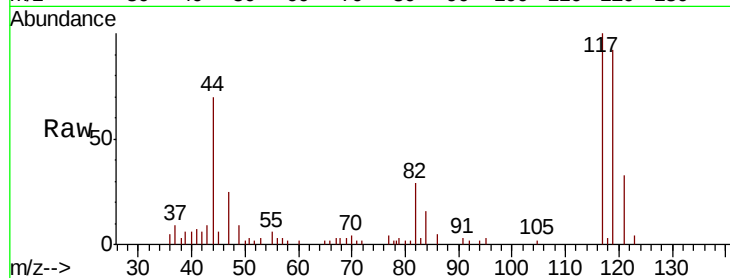
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 15005

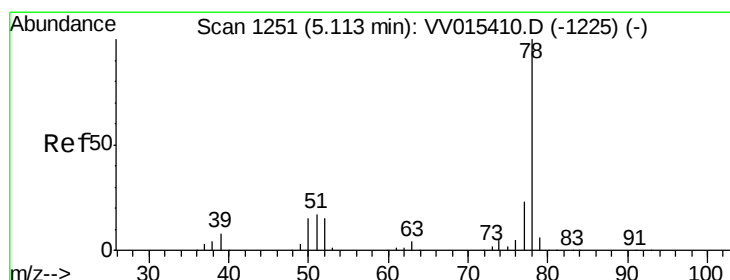
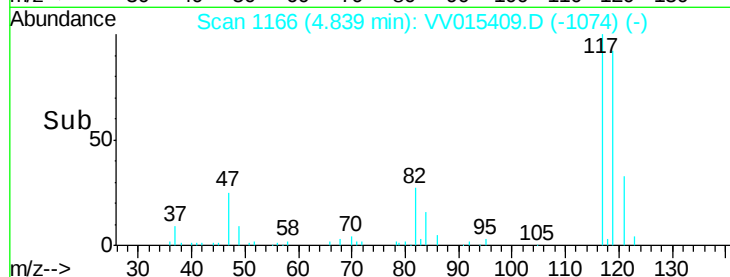
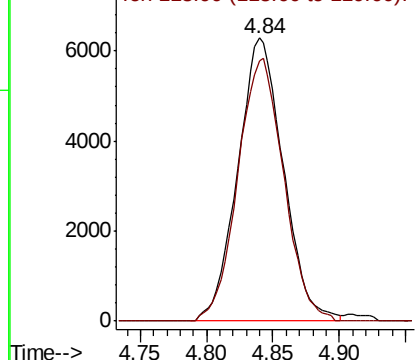
Ion Ratio Lower Upper

117 100

119 93.4 77.5 116.3



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



#33

Benzene

Concen: 0.792 ug/L

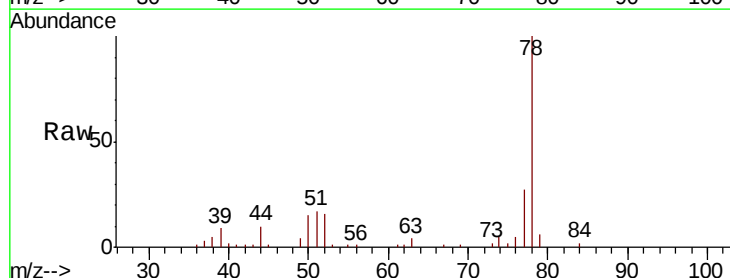
RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

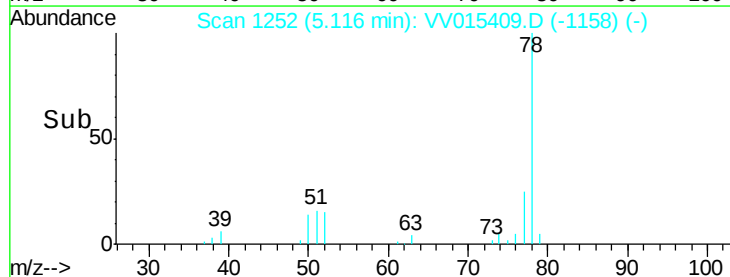
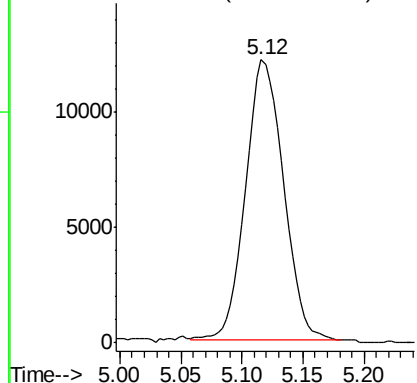
Lab File: VV015409.D

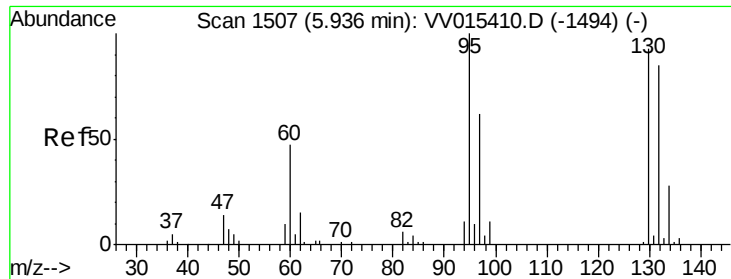
Acq: 06 Apr 2020 13:37

Tgt Ion: 78 Resp: 26285



Abundance Ion 78.10 (77.80 to 78.80): VV0

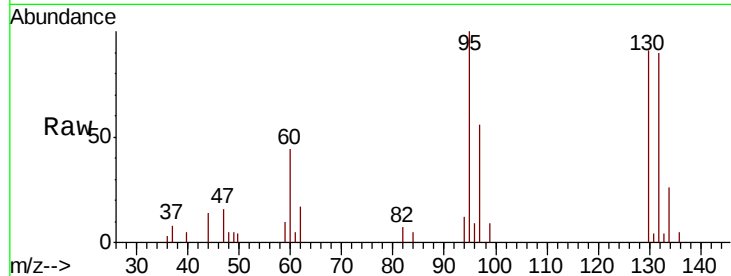




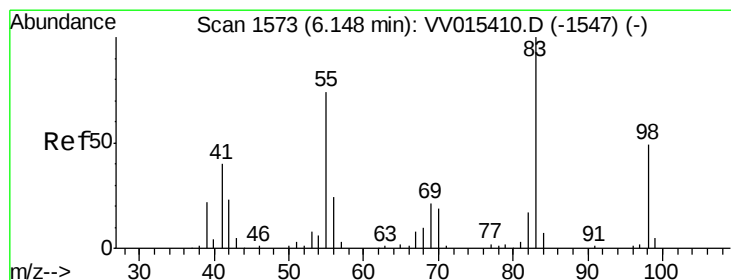
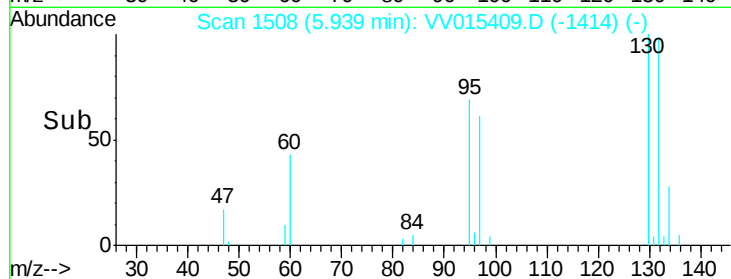
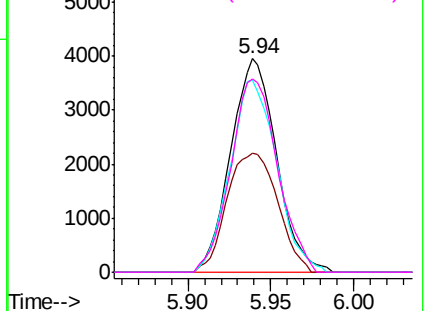
#34
 Trichloroethene
 Concen: 0.878 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 7591
 Ion Ratio Lower Upper
 95 100
 97 55.7 43.1 80.1
 132 90.1 59.4 110.4
 130 90.7 65.0 120.8

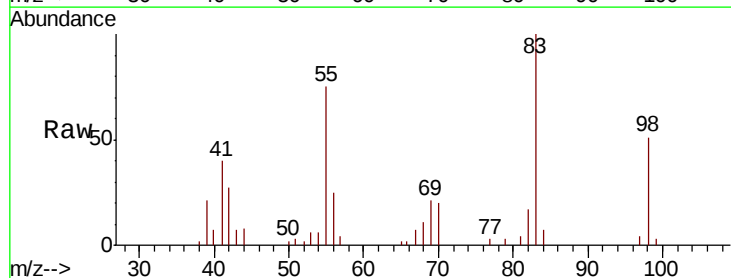


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

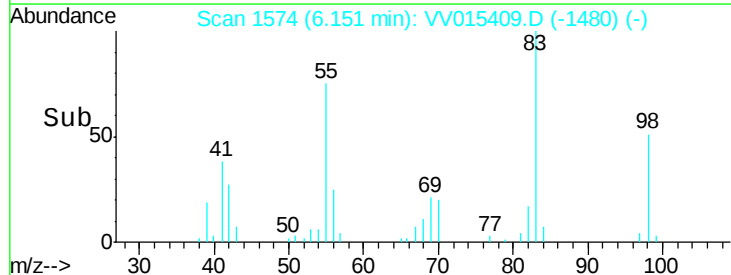
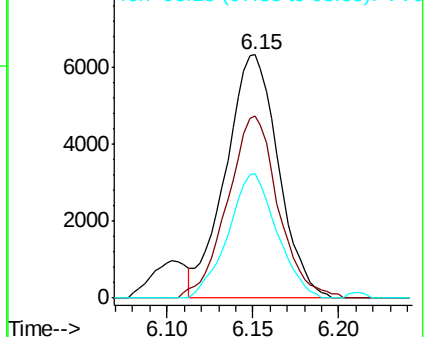


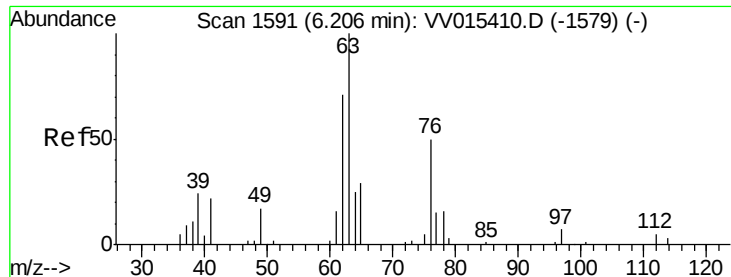
#35
 Methylcyclohexane
 Concen: 0.905 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Tgt Ion: 83 Resp: 13497
 Ion Ratio Lower Upper
 83 100
 55 72.1 52.8 79.2
 98 47.3 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

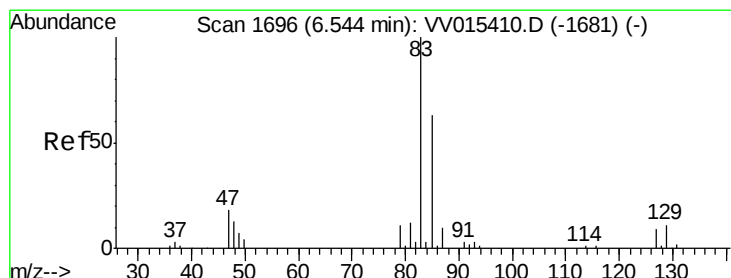
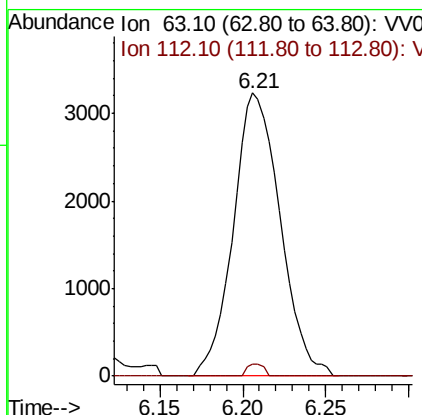
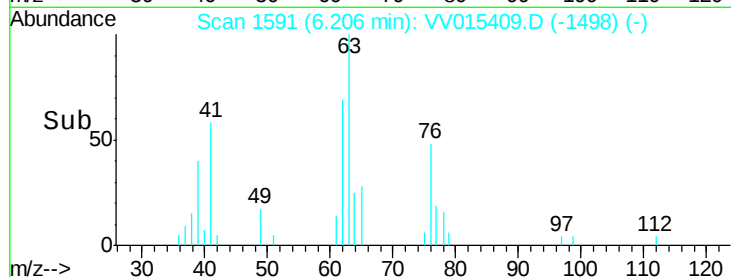
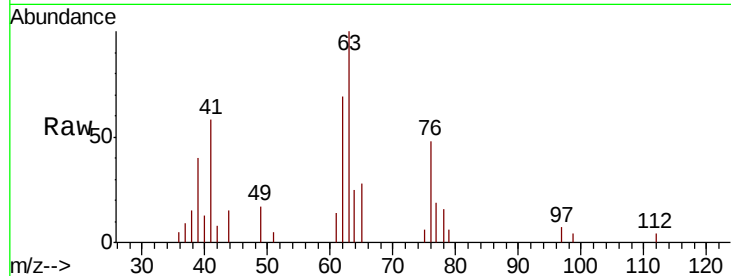




#37
 1,2-Dichloropropane
 Concen: 0.782 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

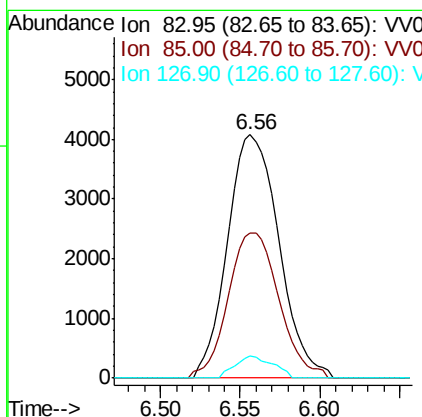
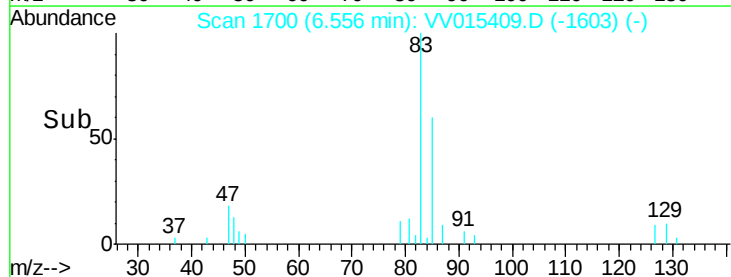
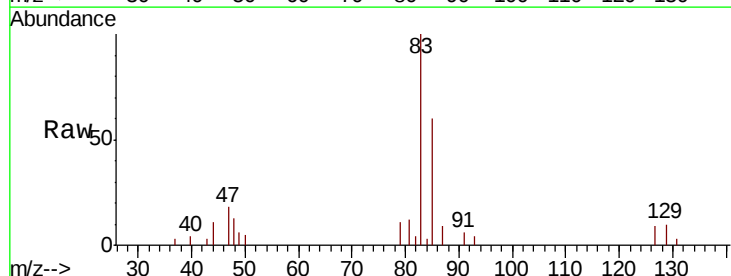
Instrument :
 MSVOA_V
 ClientSampleId :

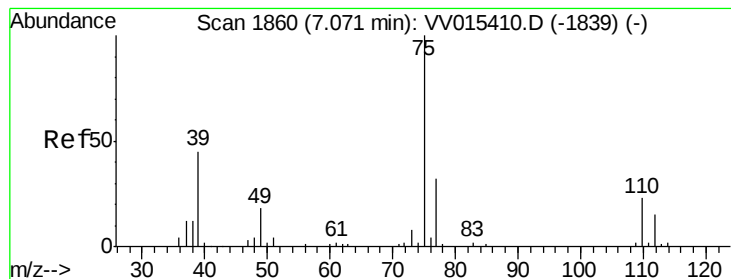
Tot Ion: 63 Resp: 6383
 Ion Ratio Lower Upper
 63 100
 112 1.5 3.9 5.9#



#38
 Bromodichloromethane
 Concen: 0.877 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.01 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Tgt Ion: 83 Resp: 8967
 Ion Ratio Lower Upper
 83 100
 85 59.7 44.2 82.2
 127 9.1 6.9 10.3



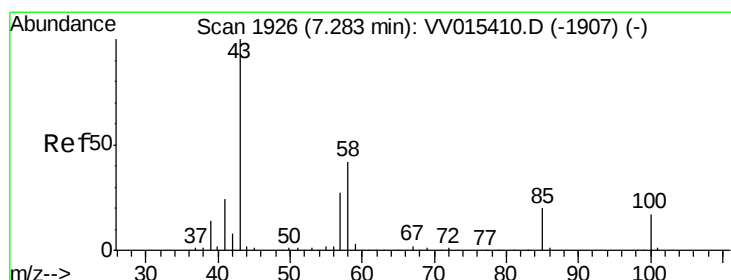
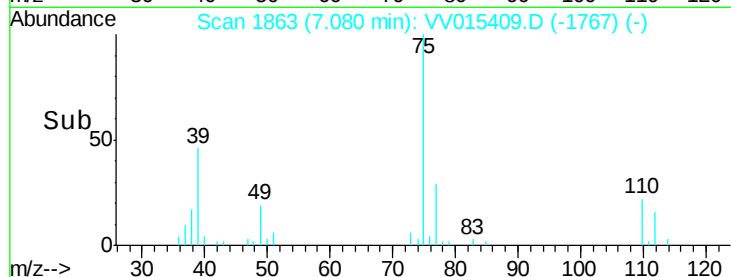
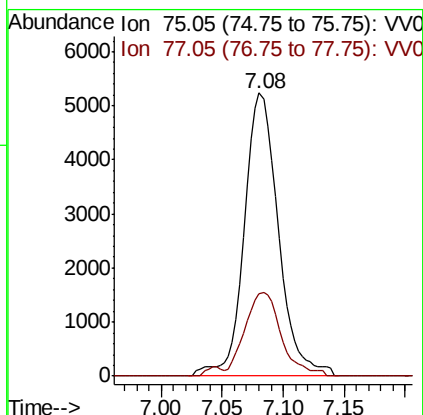
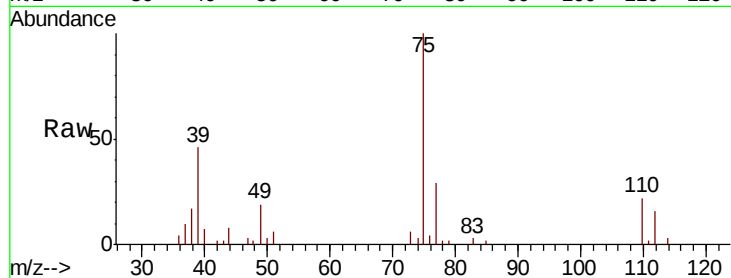


#39

cis-1,3-Dichloropropene
 Concen: 0.834 ug/L
 RT: 7.08 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Instrument :
 MSVOA_V
 ClientSampled :

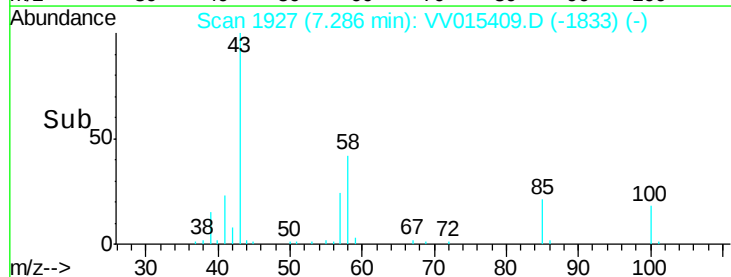
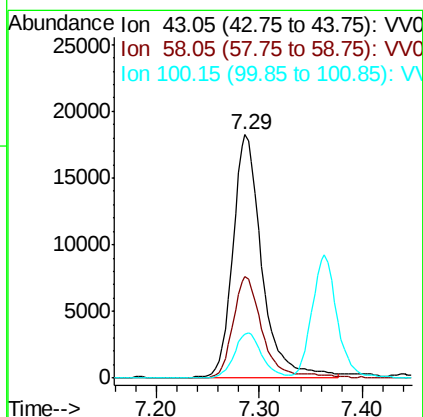
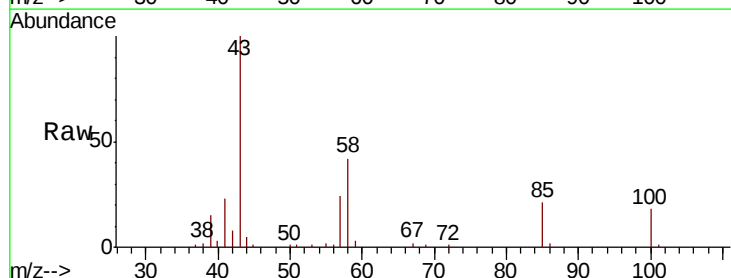
Tot Ion: 75 Resp: 10092
 Ion Ratio Lower Upper
 75 100
 77 28.9 22.1 41.1

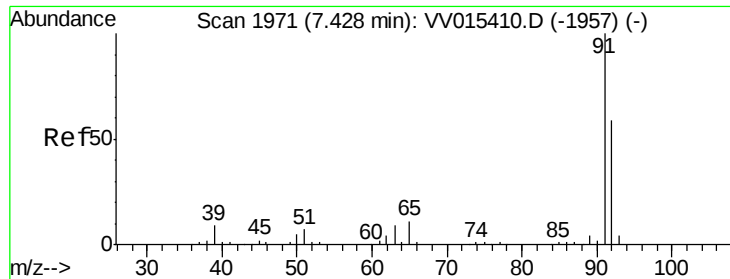


#40

4-Methyl-2-pentanone
 Concen: 7.482 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Tgt Ion: 43 Resp: 36000
 Ion Ratio Lower Upper
 43 100
 58 40.3 33.0 49.6
 100 17.7 13.6 20.4





#42

Toluene

Concen: 0.900 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

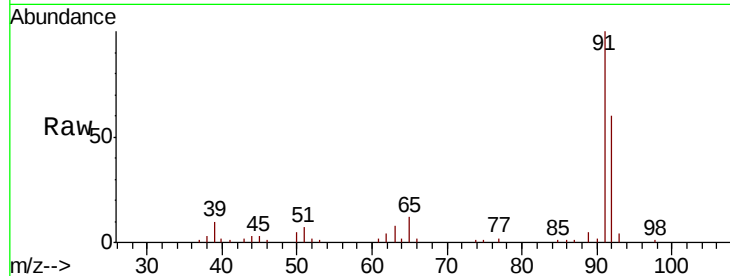
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 31370

Ion Ratio Lower Upper

91 100

92 60.4 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

20000

15000

10000

5000

0

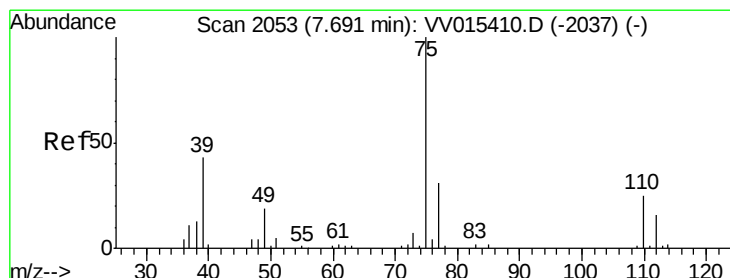
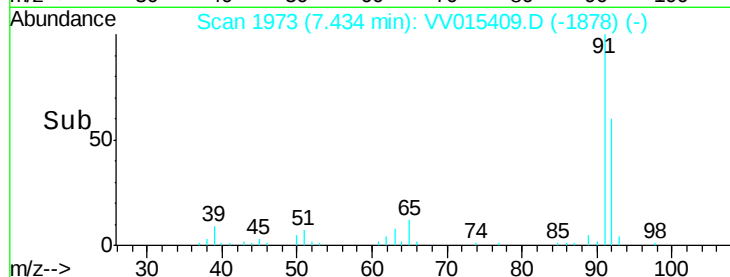
Time-->

7.35

7.40

7.45

7.50



#44

trans-1,3-Dichloropropene

Concen: 0.869 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV015409.D

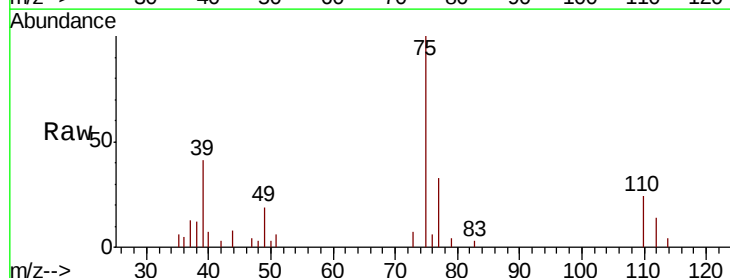
Acq: 06 Apr 2020 13:37

Tgt Ion: 75 Resp: 8197

Ion Ratio Lower Upper

75 100

77 33.0 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

5000

4000

3000

2000

1000

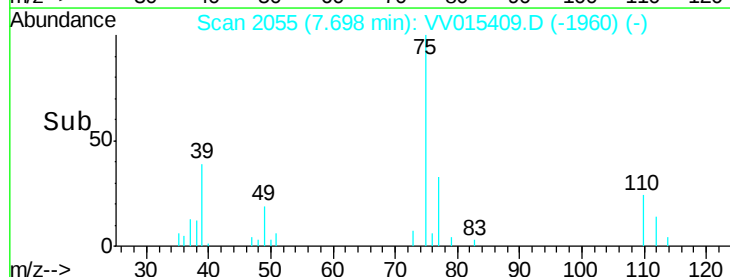
0

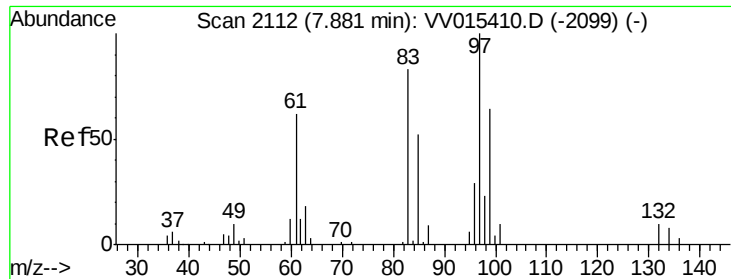
Time-->

7.65

7.70

7.75

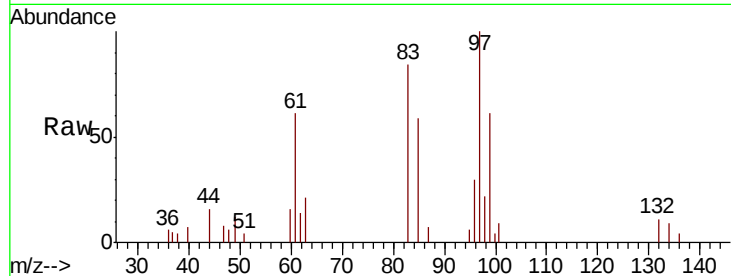




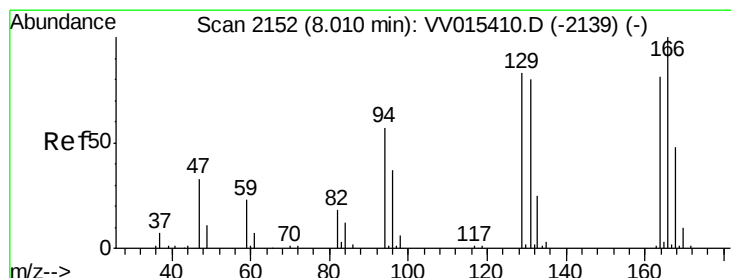
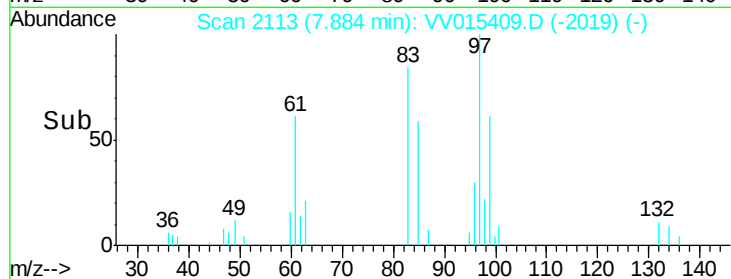
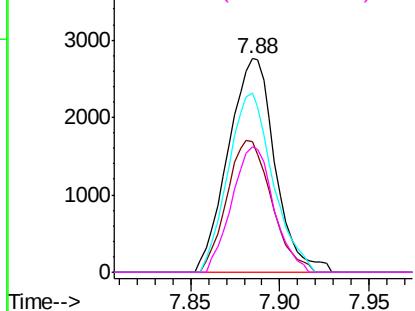
#45
 1,1,2-Trichloroethane
 Concen: 0.940 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	5045
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.9	83.3
83	83.9	58.3	108.3
85	58.6	36.6	68.0

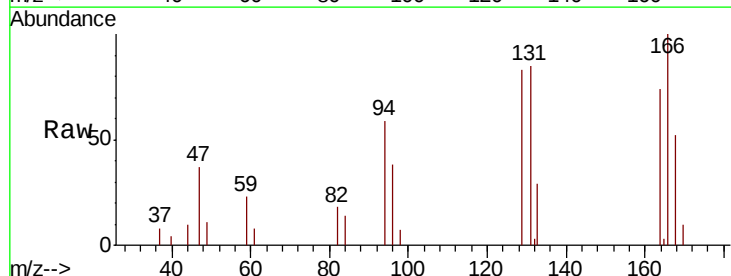


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

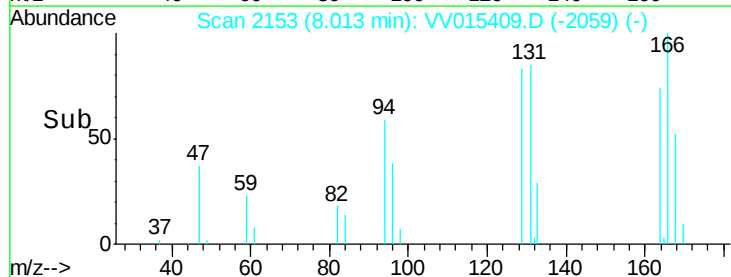
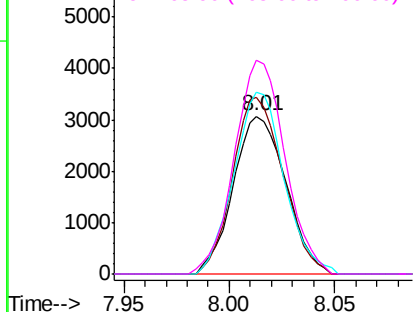


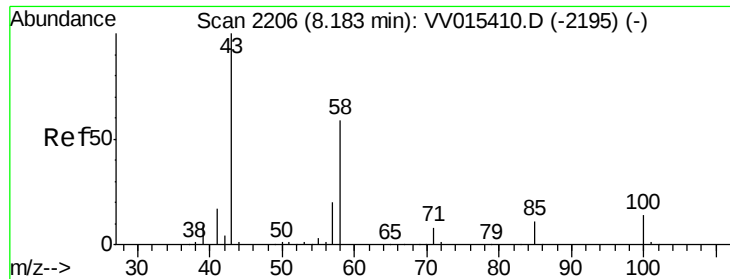
#47
 Tetrachloroethene
 Concen: 0.784 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Tgt Ion:	164	Resp:	5325
Ion	Ratio	Lower	Upper
164	100		
129	111.8	71.6	133.0
131	115.0	69.1	128.3
166	135.4	86.1	159.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

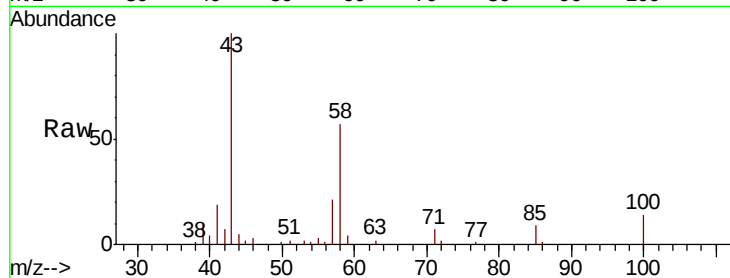




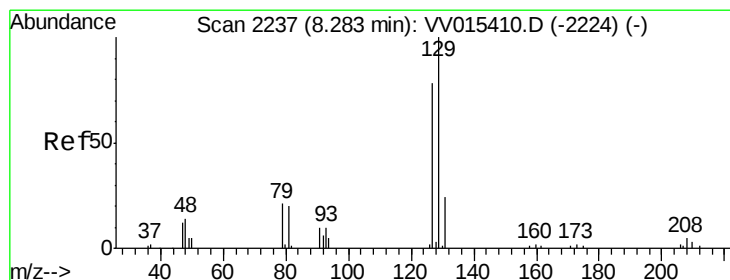
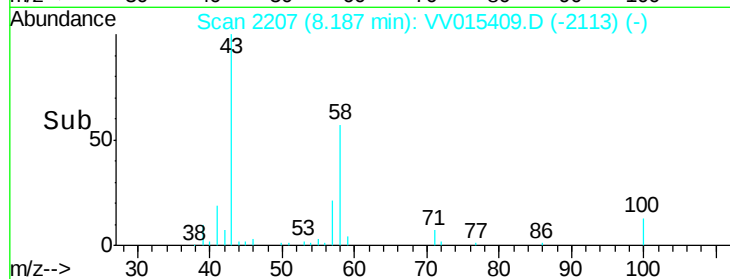
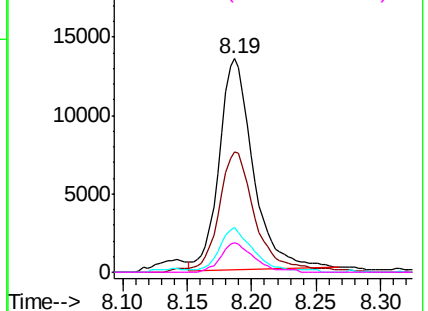
#48
2-Hexanone
Concen: 7.202 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV015409.D
Acq: 06 Apr 2020 13:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 24676
Ion Ratio Lower Upper
43 100
58 62.6 49.0 73.4
57 19.3 16.1 24.1
100 13.6 11.5 17.3

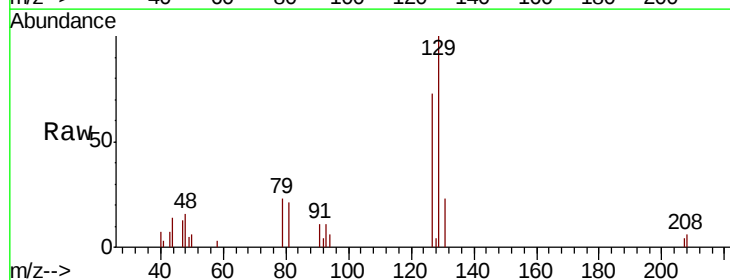


Abundance Ion 43.05 (42.75 to 43.75): VV015409.D (-2113) (-)
Ion 58.05 (57.75 to 58.75): VV015409.D (-2113) (-)
Ion 57.20 (56.90 to 57.90): VV015409.D (-2113) (-)
Ion 100.15 (99.85 to 100.85): VV015409.D (-2113) (-)

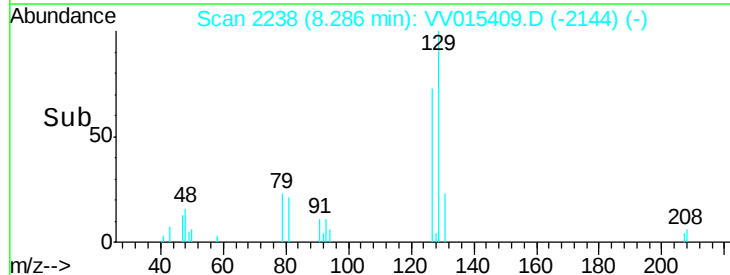
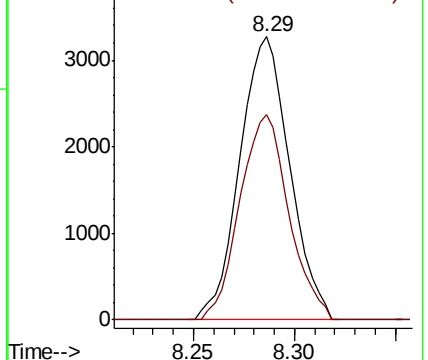


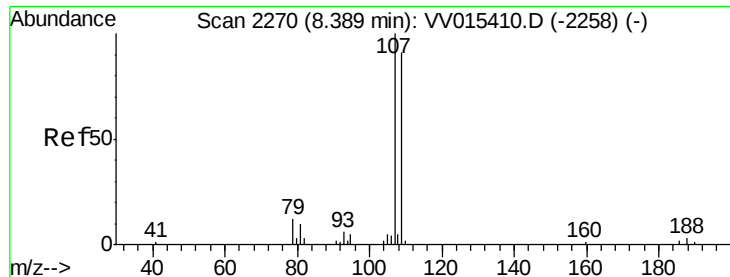
#49
Dibromochloromethane
Concen: 0.932 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV015409.D
Acq: 06 Apr 2020 13:37

Tgt Ion: 129 Resp: 5668
Ion Ratio Lower Upper
129 100
127 72.7 54.7 101.5



Abundance Ion 128.95 (128.65 to 129.65): VV015409.D (-2144) (-)
Ion 126.90 (126.60 to 127.60): VV015409.D (-2144) (-)

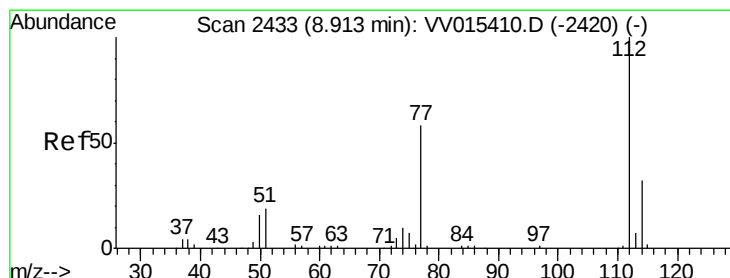
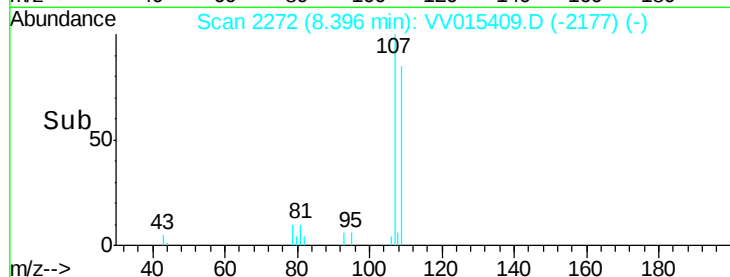
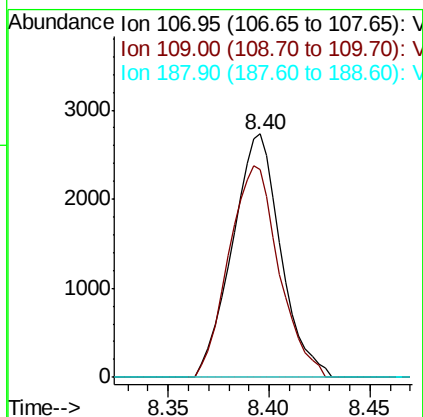
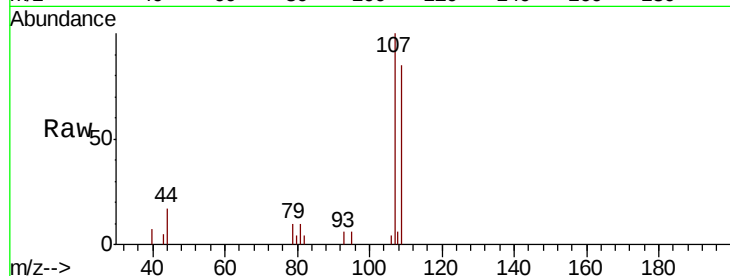




#50
 1,2-Dibromoethane
 Concen: 0.894 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

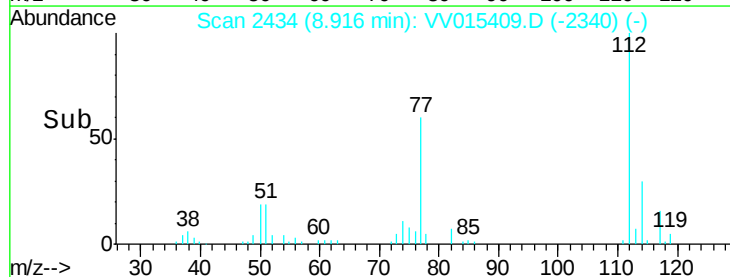
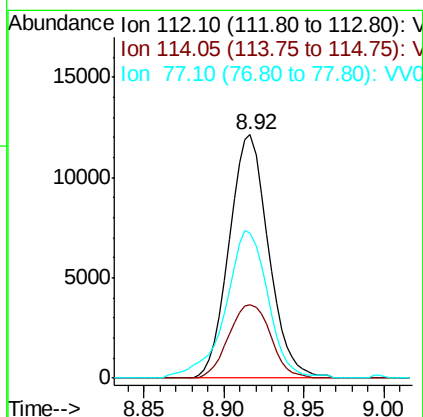
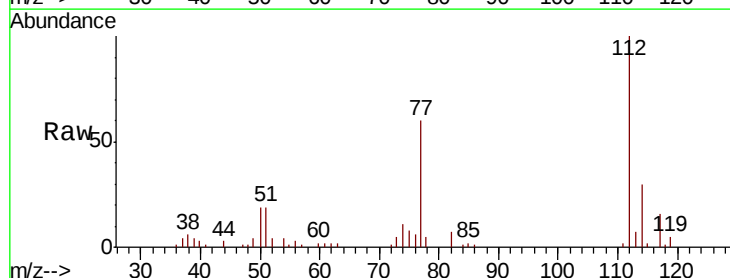
Instrument :
 MSVOA_V
 ClientSampleId :

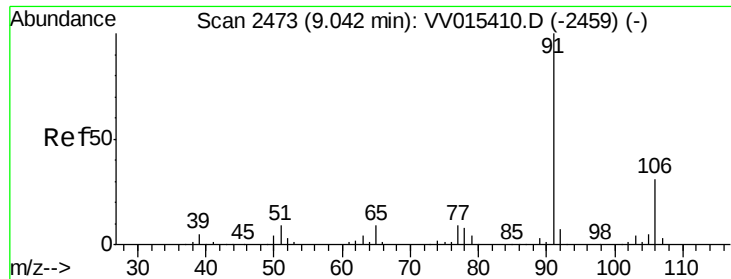
Tot Ion:107 Resp: 4584
 Ion Ratio Lower Upper
 107 100
 109 85.4 63.5 117.9
 188 0.0 2.6 4.0#



#51
 Chlorobenzene
 Concen: 0.913 ug/L
 RT: 8.92 min Scan# 2434
 Delta R.T. 0.00 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Tgt Ion:112 Resp: 20338
 Ion Ratio Lower Upper
 112 100
 114 30.3 22.3 41.5
 77 59.7 46.8 70.2





#52

Ethylbenzene

Concen: 0.903 ug/L

RT: 9.05 min Scan# 2474

Delta R.T. 0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

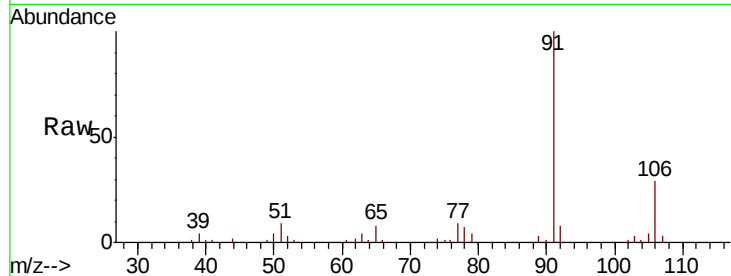
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 36020

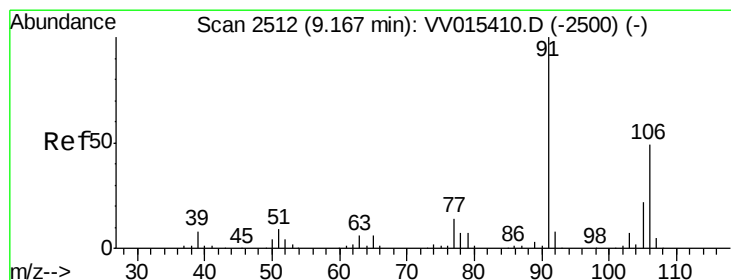
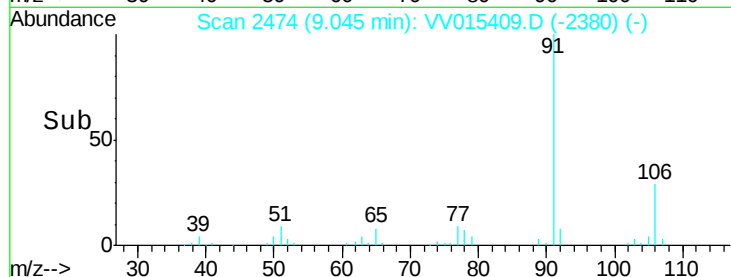
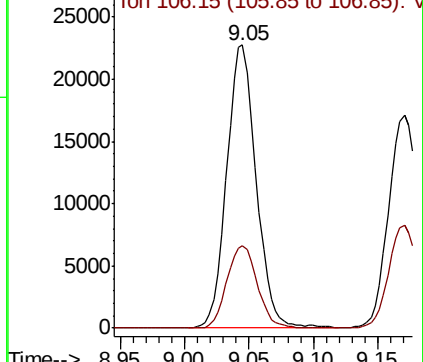
Ion Ratio Lower Upper

91 100

106 29.3 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV015410.D (-2459) (-)



#53

m,p-xylene

Concen: 0.931 ug/L

RT: 9.17 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VV015409.D

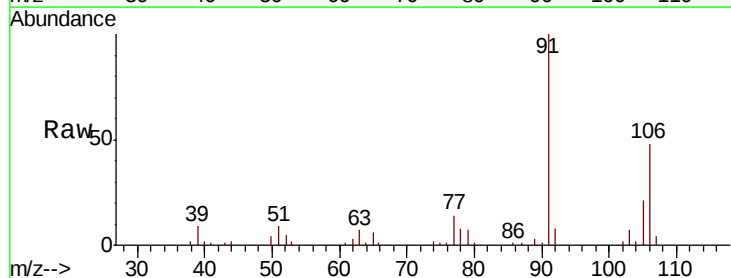
Acq: 06 Apr 2020 13:37

Tgt Ion: 106 Resp: 13718

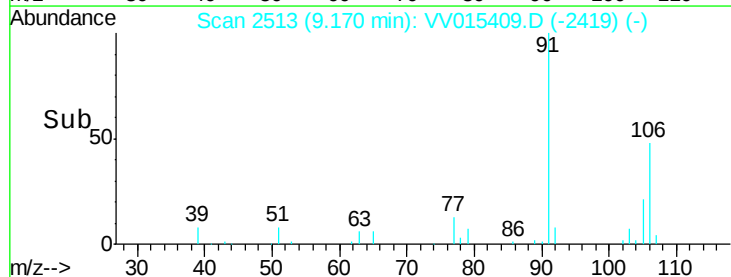
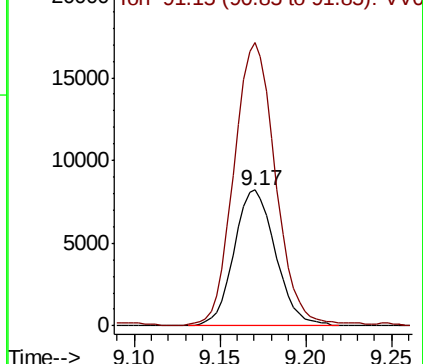
Ion Ratio Lower Upper

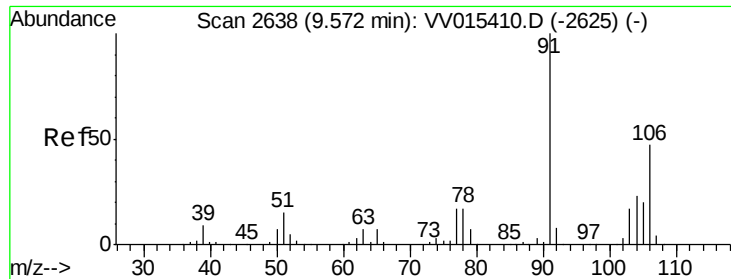
106 100

91 208.0 143.7 266.9



Abundance Ion 106.15 (105.85 to 106.85): VV015410.D (-2500) (-)





#54

o-xylene

Concen: 0.933 ug/L

RT: 9.57 min Scan# 2638

Delta R.T. -0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

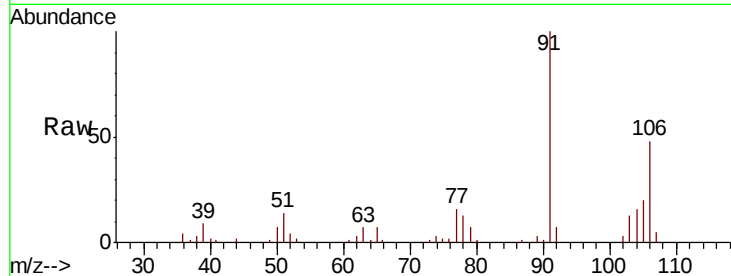
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 13360

Ion Ratio Lower Upper

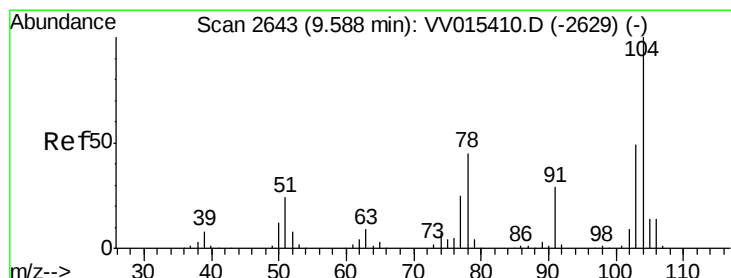
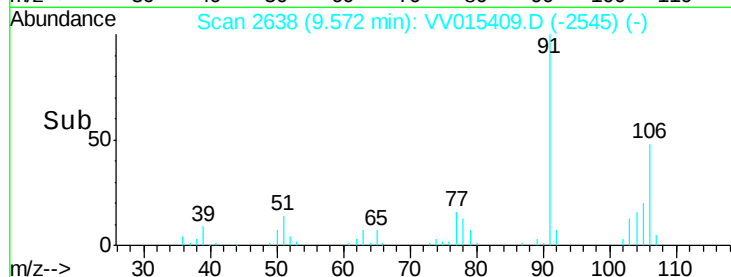
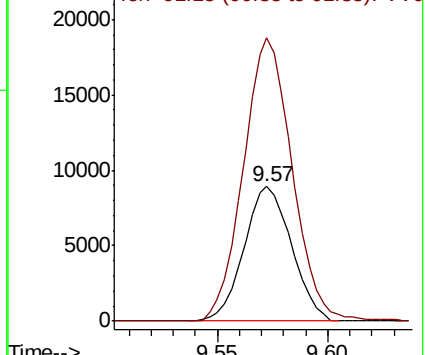
106 100

91 210.1 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.894 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV015409.D

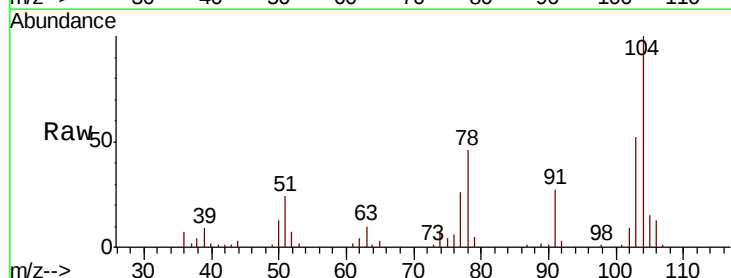
Acq: 06 Apr 2020 13:37

Tgt Ion:104 Resp: 21392

Ion Ratio Lower Upper

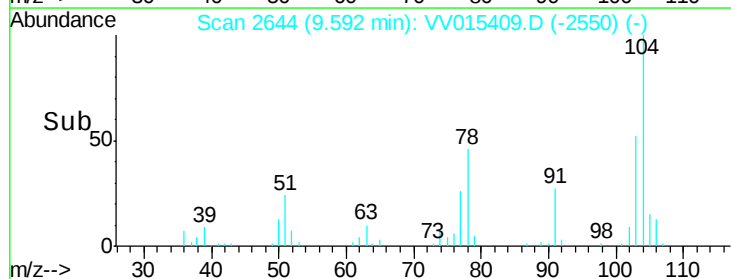
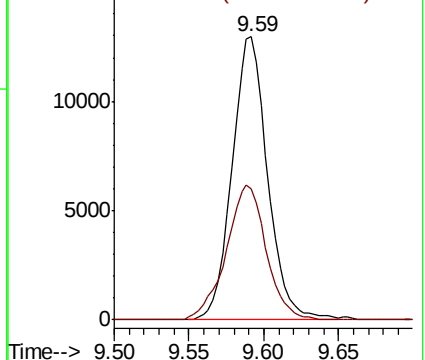
104 100

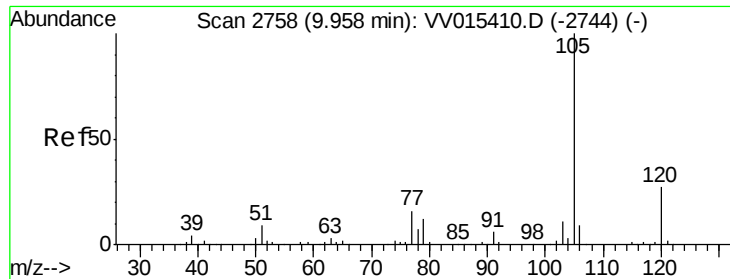
78 46.1 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.915 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. -0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

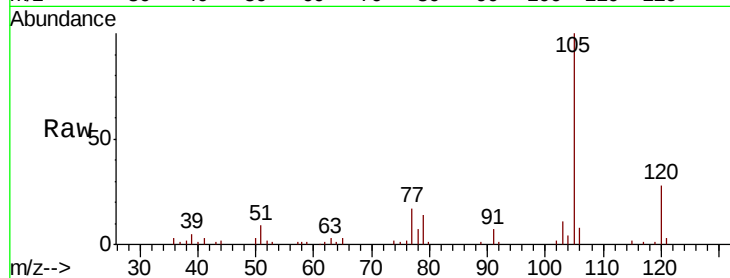
Tot Ion:105 Resp: 35370

Ion Ratio Lower Upper

105 100

120 26.9 21.2 31.8

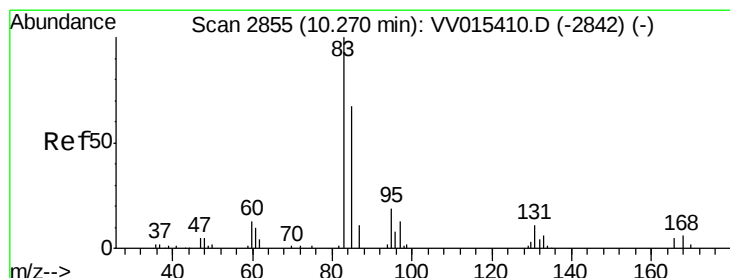
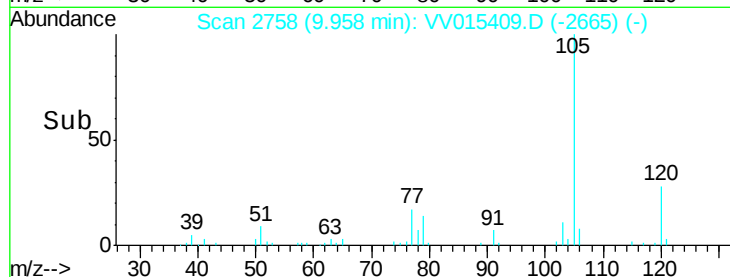
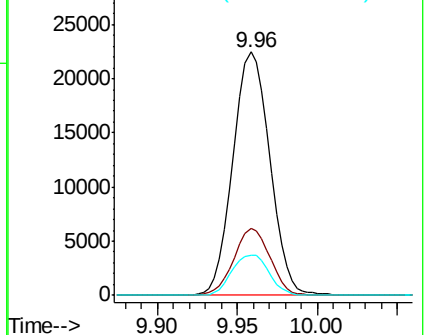
77 16.5 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.815 ug/L

RT: 10.27 min Scan# 2855

Delta R.T. -0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

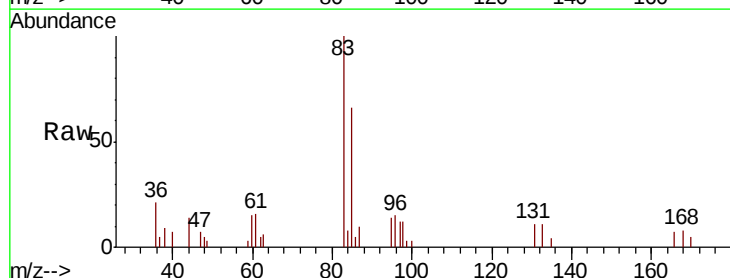
Tgt Ion: 83 Resp: 5392

Ion Ratio Lower Upper

83 100

85 66.3 46.7 86.7

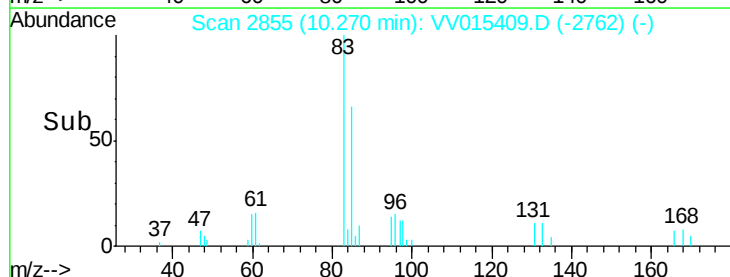
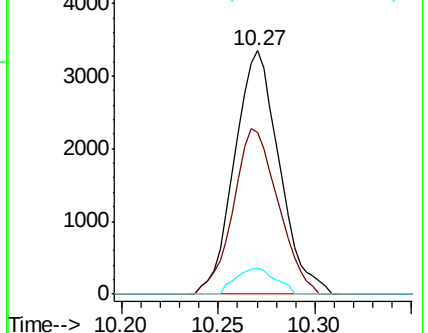
131 10.6 8.5 12.7

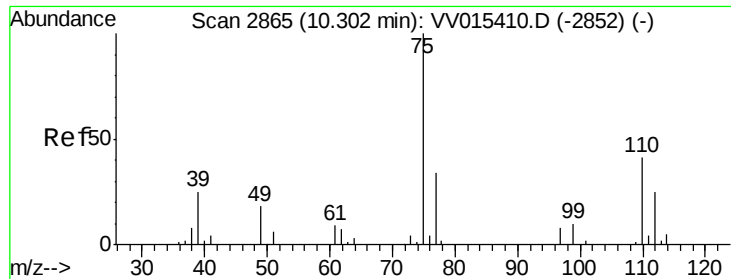


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.887 ug/L

RT: 10.30 min Scan# 2865

Delta R.T. -0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_V

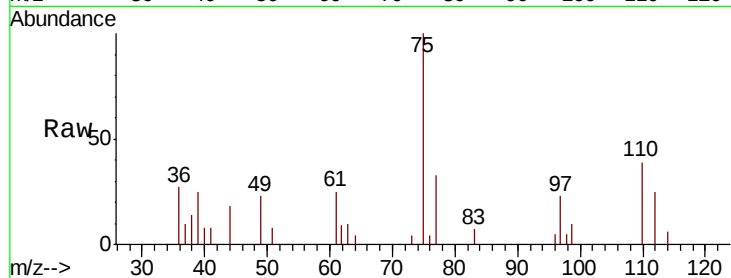
ClientSampled :

Tot Ion: 75 Resp: 4300

Ion Ratio Lower Upper

75 100

77 33.4 27.7 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV015410.D (-2852) (-)

Ion 77.00 (76.70 to 77.70): VV015410.D (-2852) (-)

10.30

2500

2000

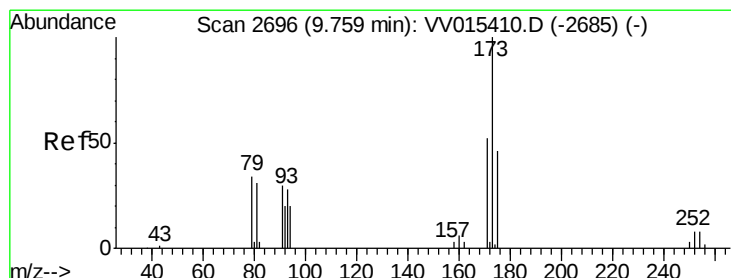
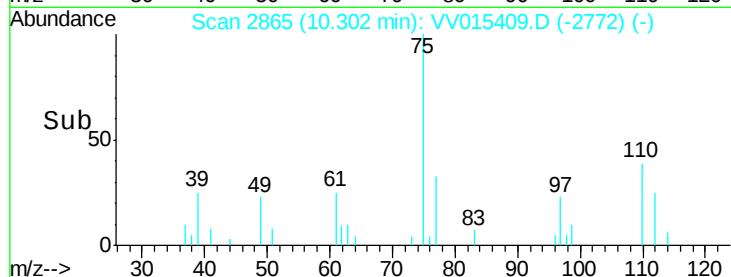
1500

1000

500

0

Time-->



#61

Bromoform

Concen: 0.824 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

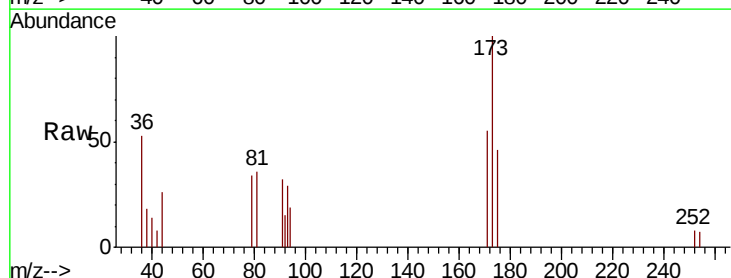
Tgt Ion: 173 Resp: 2299

Ion Ratio Lower Upper

173 100

175 50.3 37.8 56.8

254 2.7 5.4 8.2#



Abundance Ion 172.90 (172.60 to 173.60): VV015410.D (-2685) (-)

Ion 174.90 (174.60 to 175.60): VV015410.D (-2685) (-)

Ion 253.75 (253.45 to 254.45): VV015410.D (-2685) (-)

9.76

2000

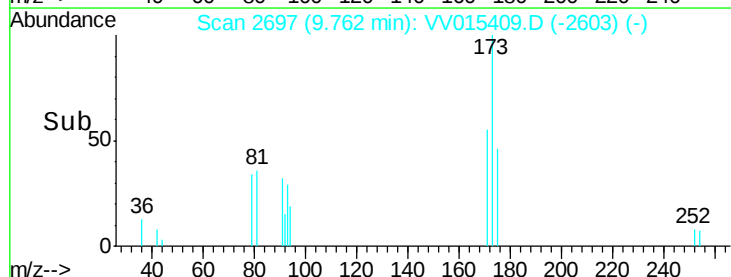
1500

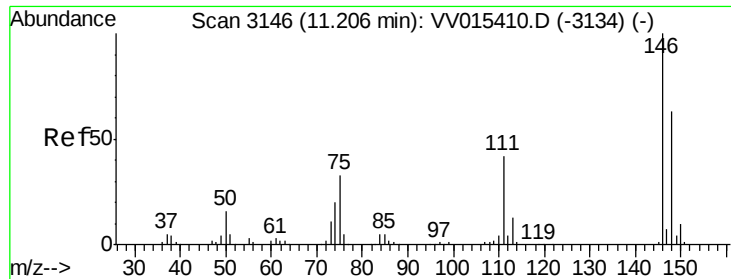
1000

500

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 0.941 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. -0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

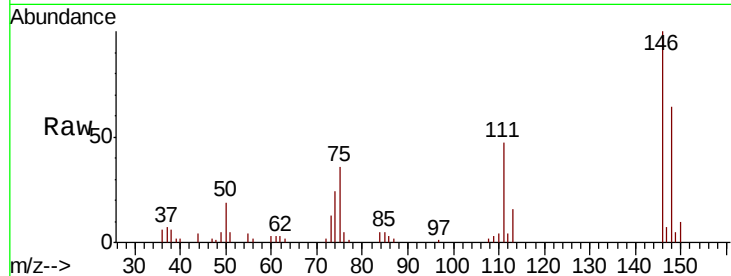
Tot Ion:146 Resp: 15518

Ion Ratio Lower Upper

146 100

111 46.5 29.1 54.1

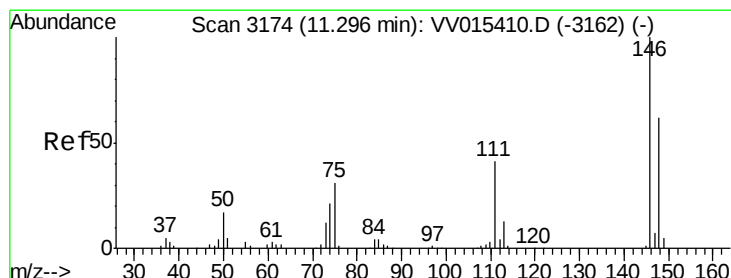
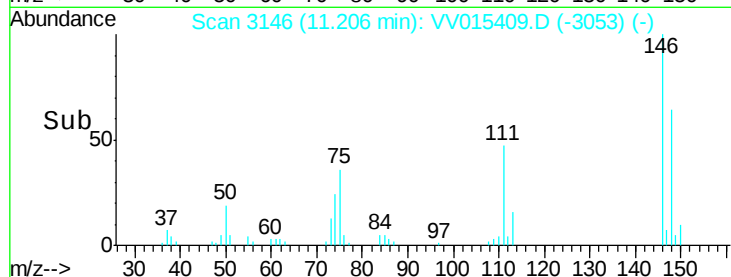
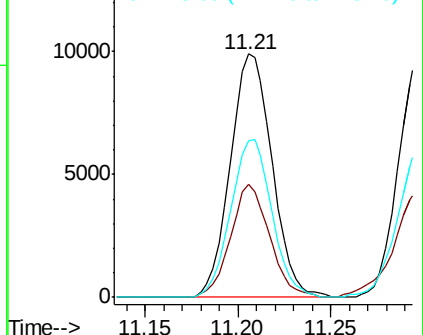
148 64.2 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.939 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

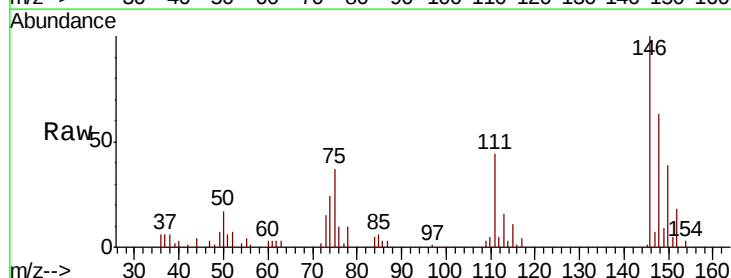
Tgt Ion:146 Resp: 15857

Ion Ratio Lower Upper

146 100

111 44.3 28.8 53.4

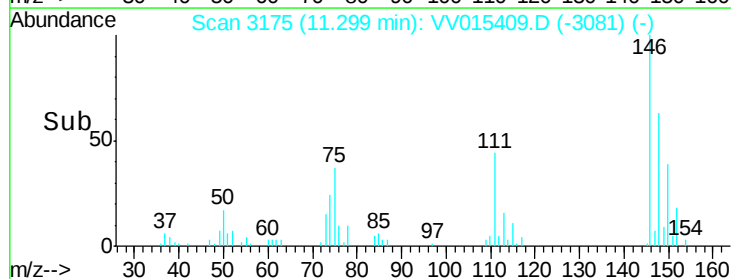
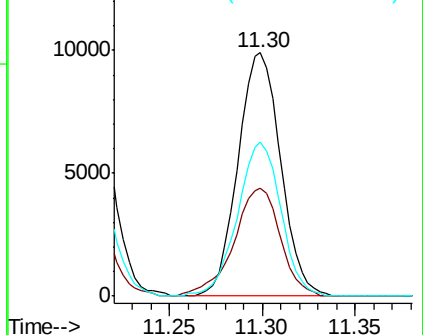
148 63.1 43.6 81.0

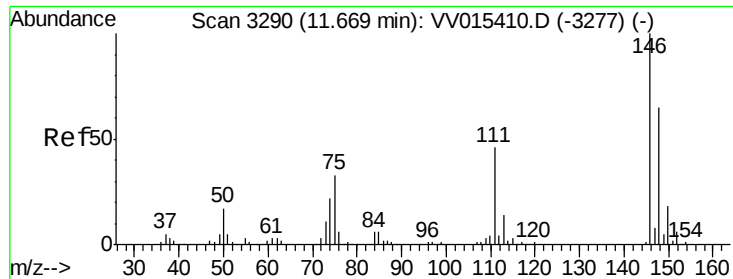


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.960 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. -0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

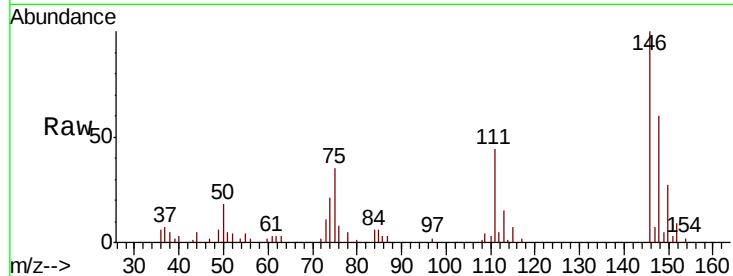
Tot Ion:146 Resp: 14558

Ion Ratio Lower Upper

146 100

111 43.8 37.1 55.7

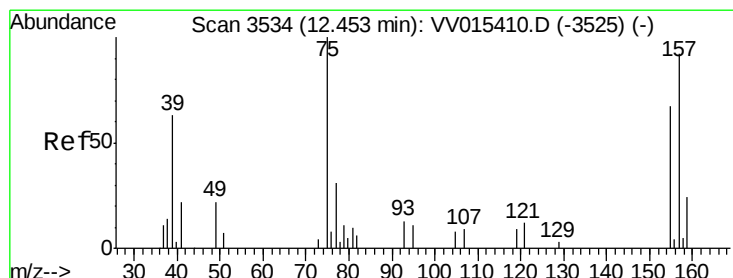
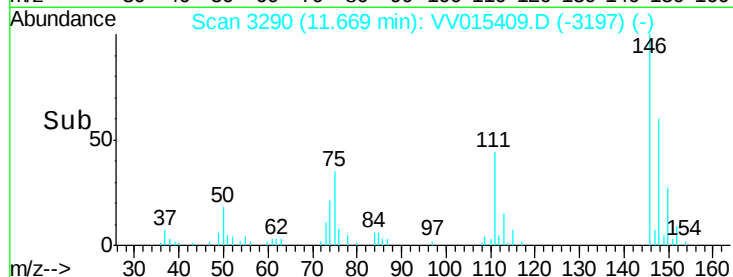
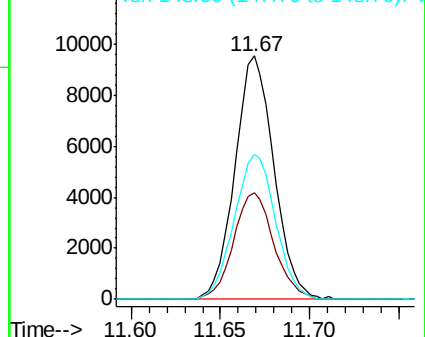
148 59.6 51.6 77.4



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: 0.967 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

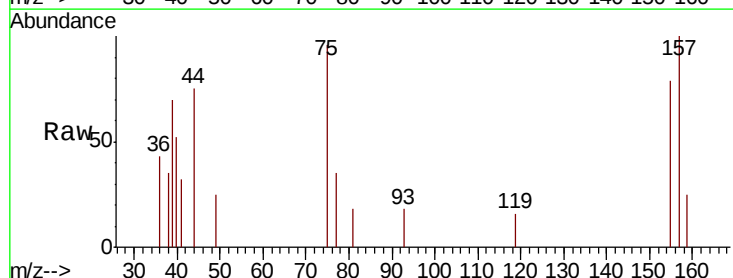
Tgt Ion: 75 Resp: 997

Ion Ratio Lower Upper

75 100

155 82.0 53.8 80.8#

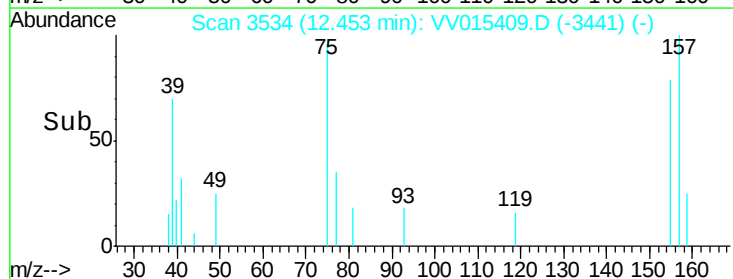
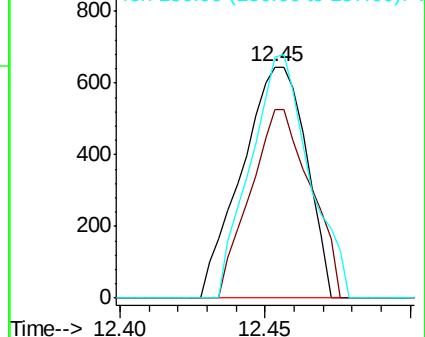
157 104.2 73.9 110.9

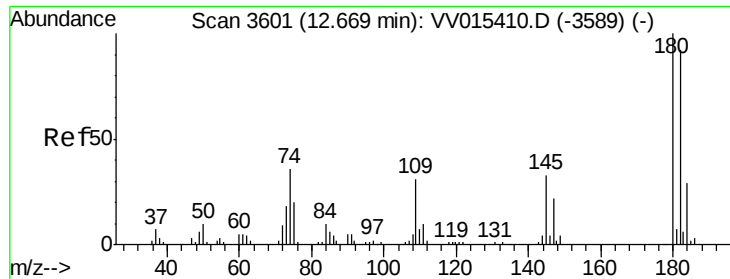


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

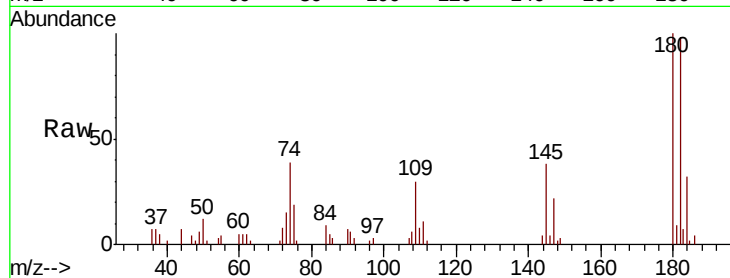




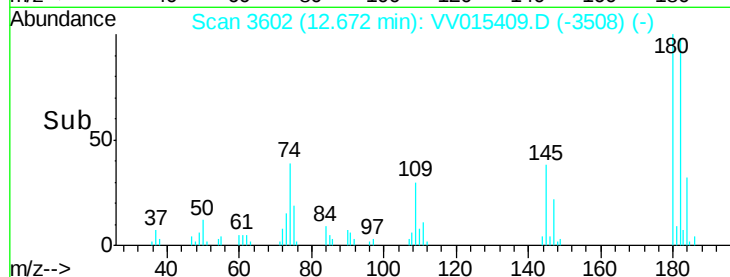
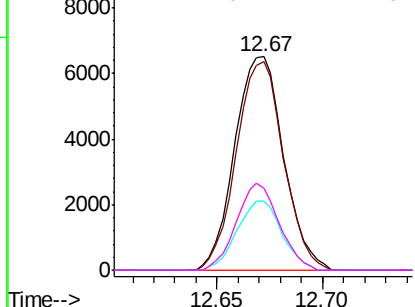
#67
 1,3,5-Trichlorobenzene
 Concen: 0.810 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 10493
 Ion Ratio Lower Upper
 180 100
 182 94.2 74.5 111.7
 184 29.7 23.0 34.4
 145 35.6 26.4 39.6

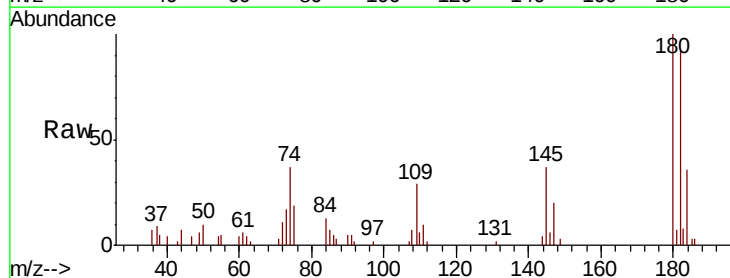
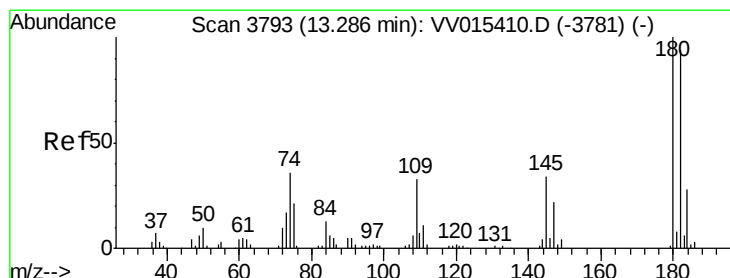


Abundance Ion 180.00 (179.70 to 180.70): V
 10000 Ion 182.00 (181.70 to 182.70): V
 8000 Ion 184.00 (183.70 to 184.70): V
 6000 Ion 145.00 (144.70 to 145.70): V
 4000
 2000
 0

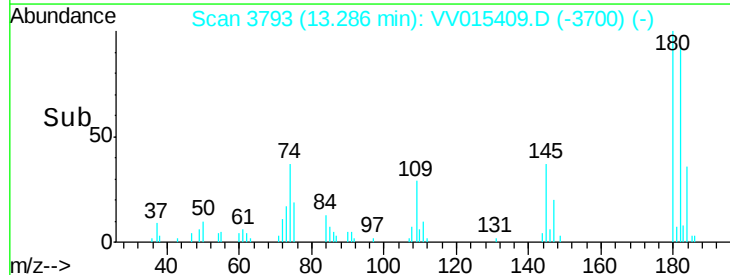
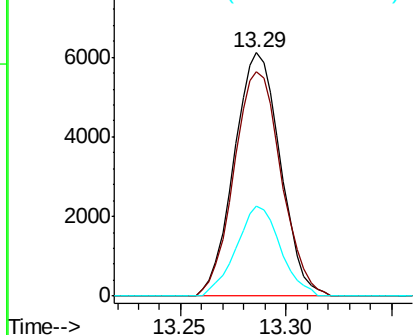


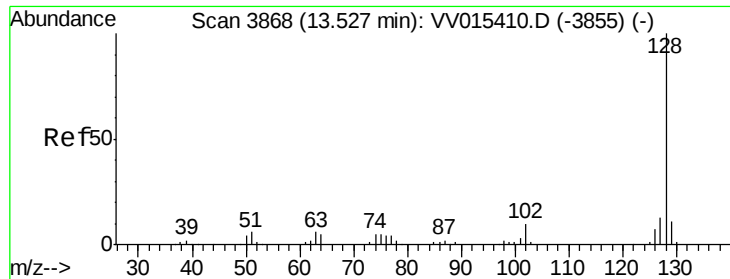
#68
 1,2,4-trichlorobenzene
 Concen: 0.831 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015409.D
 Acq: 06 Apr 2020 13:37

Tgt Ion:180 Resp: 9283
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.4 113.2
 145 35.5 28.0 42.0



Abundance Ion 179.90 (179.60 to 180.60): V
 8000 Ion 182.00 (181.70 to 182.70): V
 6000 Ion 144.95 (144.65 to 145.65): V
 4000
 2000
 0





#69

Naphthalene

Concen: 1.222 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

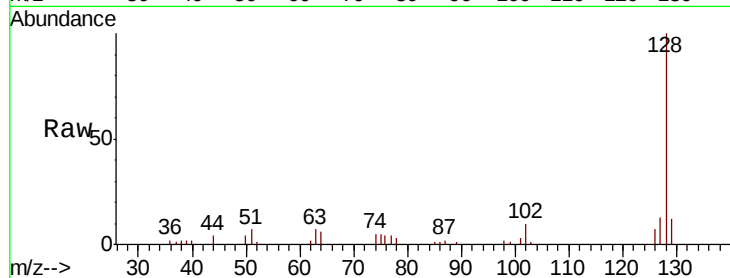
Tot Ion:128 Resp: 23031

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

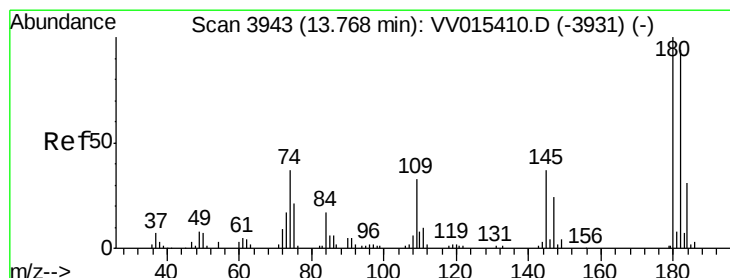
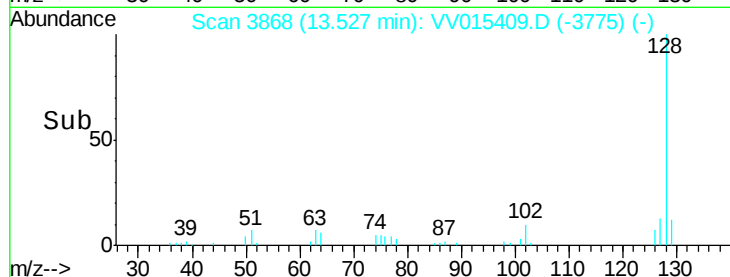
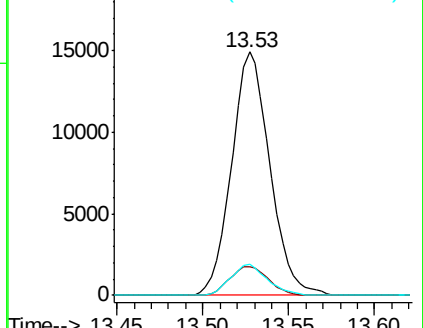
127 12.2 10.1 15.1



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: 0.828 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015409.D

Acq: 06 Apr 2020 13:37

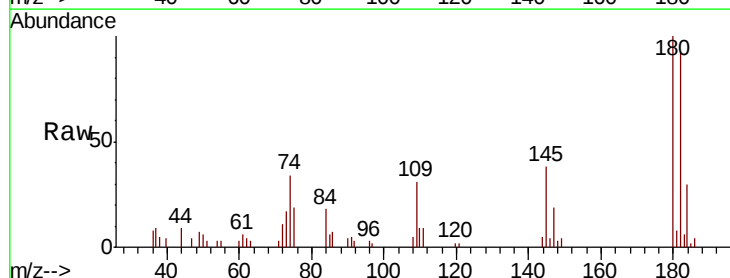
Tgt Ion:180 Resp: 8224

Ion Ratio Lower Upper

180 100

182 91.5 75.0 112.4

145 35.7 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

