

Data File : VV013111.D
Acq On : 11 Oct 2019 19:06
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV63

Quant Time: Oct 12 01:31:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 01:26:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	801038	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	743701	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	362063	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	255596	50.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.96%
7) Chloroethane-d5	1.58	69	207375	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.92%
11) 1,1-Dichloroethene-d2	2.13	63	480836	50.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.70%
21) 2-Butanone-d5	3.93	46	413243	108.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.54%
24) Chloroform-d	4.40	84	506669	51.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.96%
26) 1,2-Dichloroethane-d4	5.08	65	310218	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.26%
32) Benzene-d6	5.10	84	1056697	53.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.52%
36) 1,2-Dichloropropane-d6	6.12	67	329952	53.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.16%
41) Toluene-d8	7.36	98	957161	53.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.80%
43) trans-1,3-Dichloropropene-	7.66	79	151415	53.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.54%
47) 2-Hexanone-d5	8.13	63	286800	115.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.95%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	427474	53.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.56%
64) 1,2-Dichlorobenzene-d4	11.67	152	382183	53.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.76%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	307284	49.454	ug/L	99
3) Chloromethane	1.25	50	343551	48.589	ug/L	100
5) Vinyl chloride	1.32	62	331138	48.750	ug/L	99
6) Bromomethane	1.53	94	146080	42.031	ug/L	98
8) Chloroethane	1.60	64	200008	49.503	ug/L	99
9) Trichlorofluoromethane	1.77	101	432644	49.639	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	255536	49.774	ug/L	99
12) 1,1-Dichloroethene	2.14	96	247857	49.894	ug/L	96
13) Acetone	2.19	43	316579	90.562	ug/L	99
14) Carbon disulfide	2.32	76	735375	51.044	ug/L	100
15) Methyl Acetate	2.46	43	312250	50.405	ug/L	99
16) Methylene chloride	2.54	84	293439	49.648	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	278968	51.763	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	836478	51.422	ug/L	100
19) 1,1-Dichloroethane	3.23	63	512107	50.375	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	311695	51.103	ug/L	99
22) 2-Butanone	4.01	43	465198	104.551	ug/L	99

Data File : VV013111.D
Acq On : 11 Oct 2019 19:06
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV63

Quant Time: Oct 12 01:31:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 01:26:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	154636	49.917	ug/L	98
25) Chloroform	4.42	83	513668	50.149	ug/L	97
27) 1,2-Dichloroethane	5.18	62	395264	50.341	ug/L	99
29) Cyclohexane	4.73	56	476006	53.443	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	431638	52.307	ug/L	98
31) Carbon tetrachloride	4.87	117	379667	51.778	ug/L	100
33) Benzene	5.15	78	1164756	51.420	ug/L	100
34) Trichloroethene	5.96	95	310707	51.517	ug/L	100
35) Methylcyclohexane	6.18	83	489538	53.659	ug/L	99
37) 1,2-Dichloropropane	6.22	63	303622	51.764	ug/L	100
38) Bromodichloromethane	6.55	83	386739	51.818	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	469912	54.169	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	843948	109.914	ug/L	99
42) Toluene	7.43	91	1237169	53.054	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	404437	53.782	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	283770	50.957	ug/L	98
46) Tetrachloroethene	8.02	164	248929	52.133	ug/L	98
48) 2-Hexanone	8.18	43	666193	112.201	ug/L	100
49) Dibromochloromethane	8.29	129	314198	51.770	ug/L	100
50) 1,2-Dibromoethane	8.39	107	303983	52.228	ug/L	100
51) Chlorobenzene	8.92	112	790186	51.672	ug/L	99
52) Ethylbenzene	9.05	91	1344537	53.979	ug/L	99
53) m,p-Xylene	9.18	106	513947	54.844	ug/L	100
54) o-xylene	9.59	106	507589	54.063	ug/L	97
55) Styrene	9.60	104	860677	55.820	ug/L	98
56) Isopropylbenzene	9.97	105	1316892	54.624	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	423165	52.271	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	371912	52.083	ug/L	100
61) Bromoform	9.77	173	235524	51.695	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	614802	52.509	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	613100	52.145	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	623000	52.269	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	91789	52.947	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	451645	54.089	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	398837	55.689	ug/L	99
69) Naphthalene	13.55	128	1226230	62.148	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	434437	56.707	ug/L	99

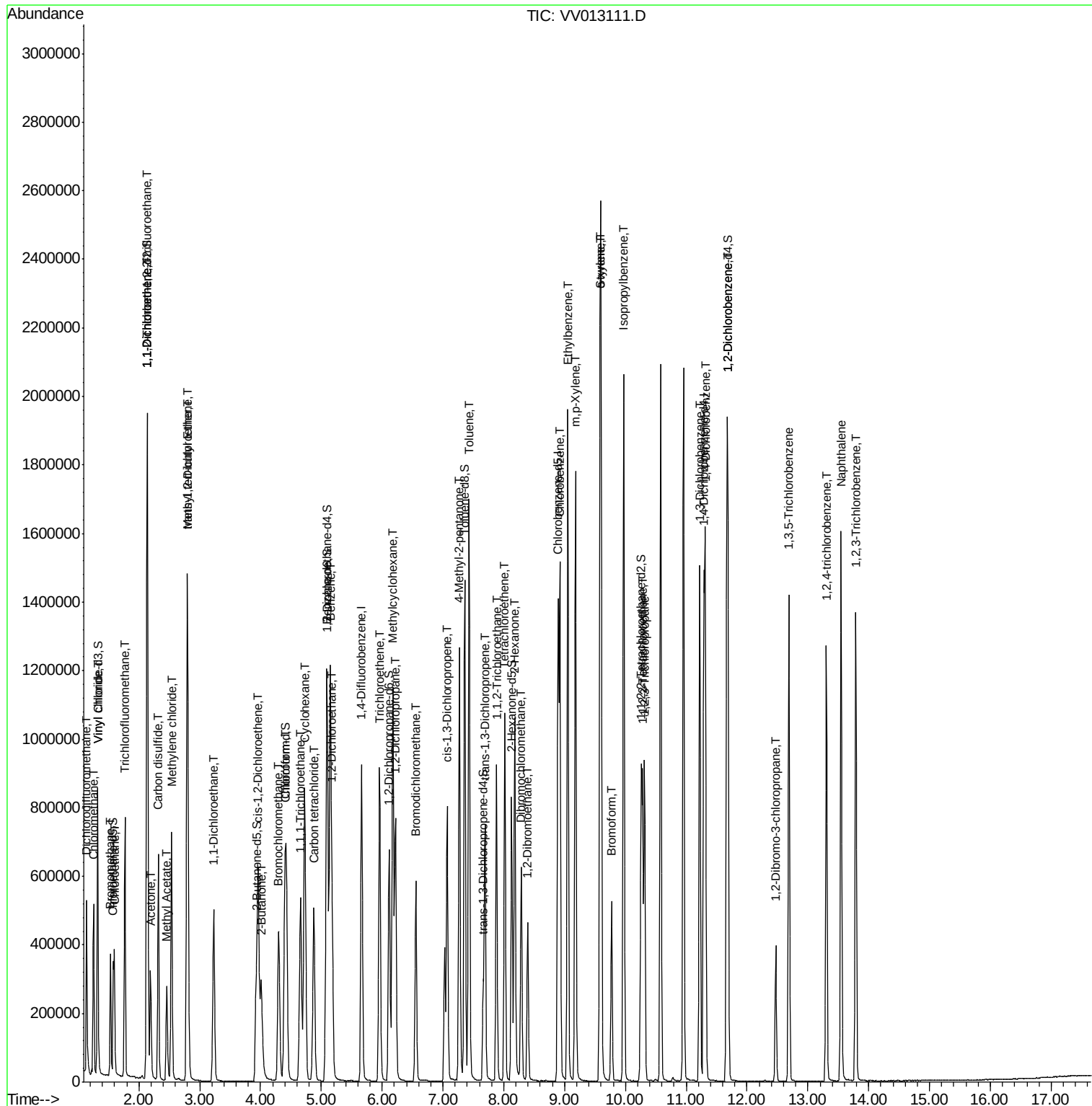
(#) = qualifier out of range (m) = manual integration (+) = signals summed

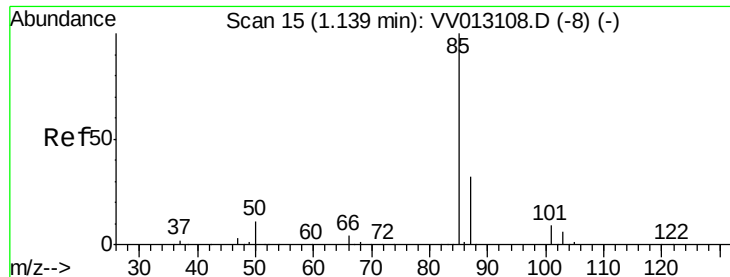
Data File : VV013111.D

```
Acq On       : 11 Oct 2019   19:06
Operator    : SY/MD
Sample      : VSTDICV050
Misc       : 5.00ML/MSV0A_V/WATER
ALS Vial    : 8      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VICV63

Quant Time: Oct 12 01:31:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 01:26:57 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.454 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

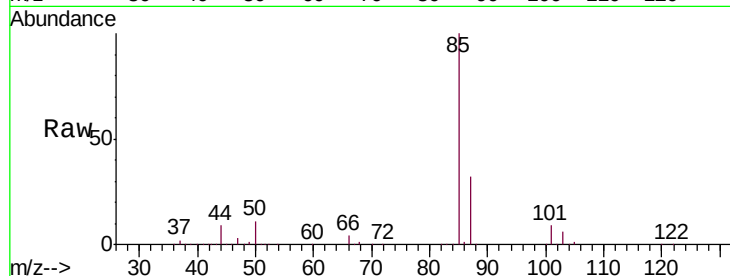
VICV63

Tgt Ion: 85 Resp: 307284

Ion Ratio Lower Upper

85 100

87 32.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV013108.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV013108.D (-8) (-)

1.14

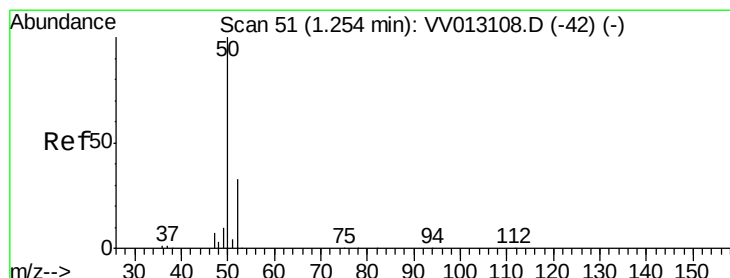
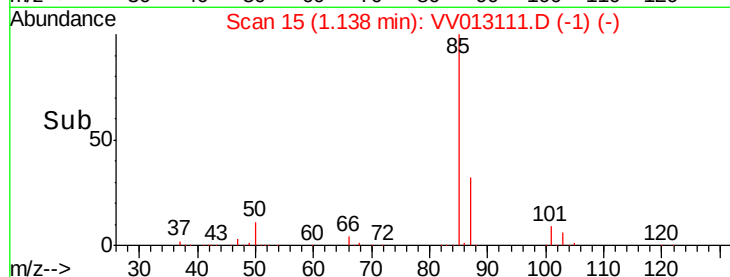
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 48.589 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV013111.D

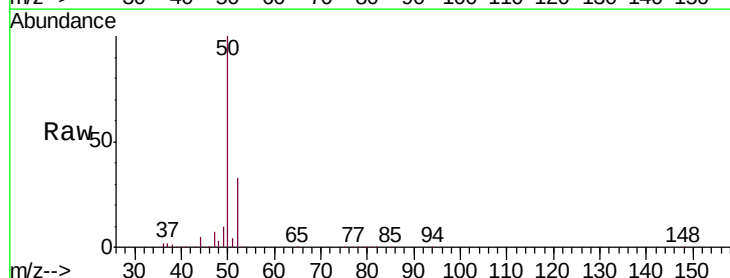
Acq: 11 Oct 2019 19:06

Tgt Ion: 50 Resp: 343551

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV013108.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV013108.D (-42) (-)

1.25

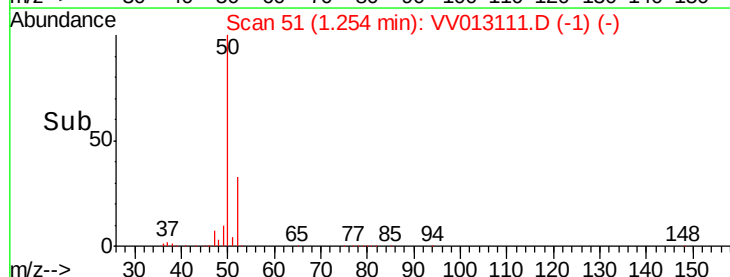
300000

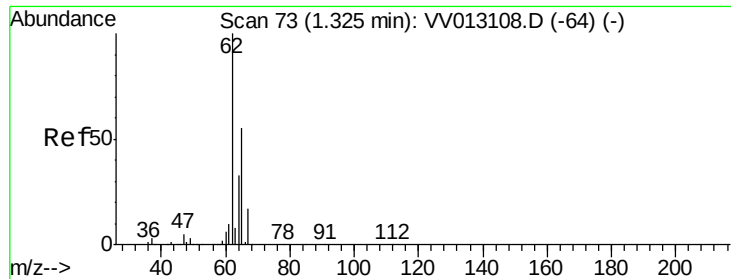
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 48.750 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

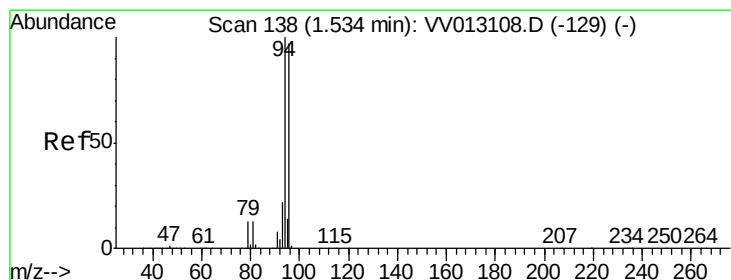
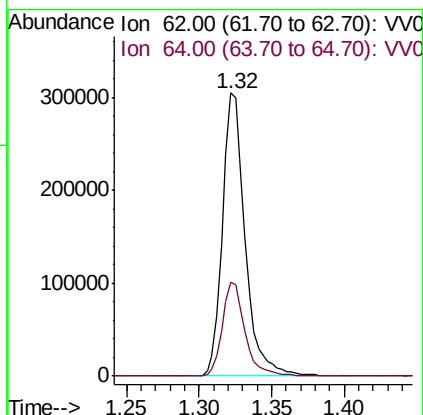
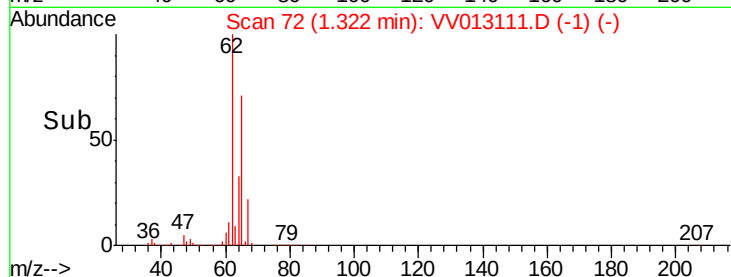
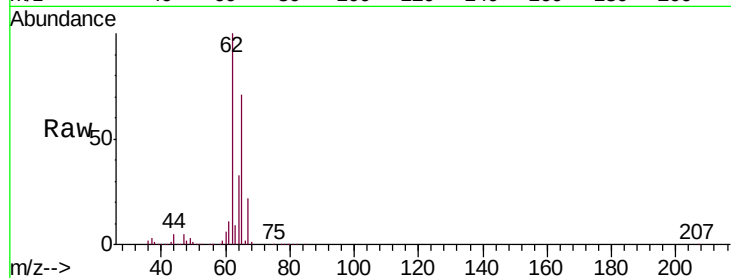
VICV63

Tgt Ion: 62 Resp: 331138

Ion Ratio Lower Upper

62 100

64 33.0 22.9 42.5



#6

Bromomethane

Concen: 42.031 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013111.D

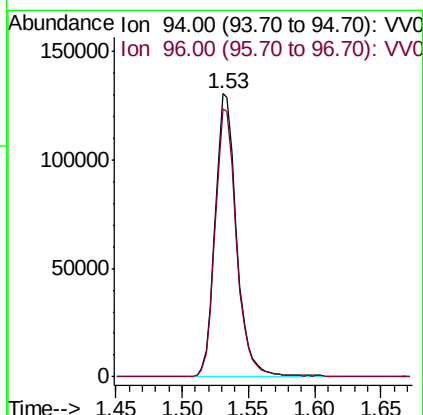
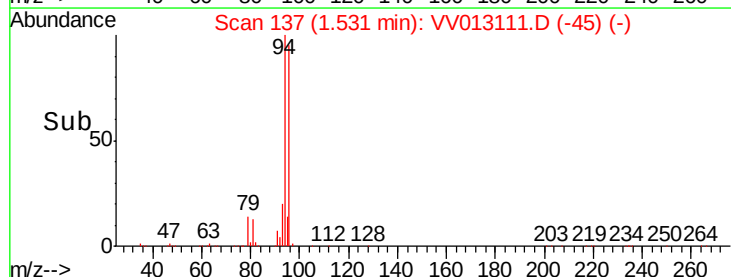
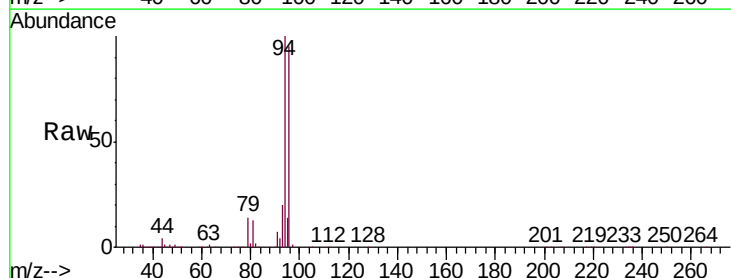
Acq: 11 Oct 2019 19:06

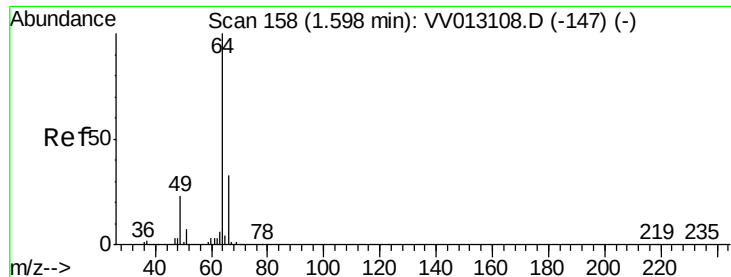
Tgt Ion: 94 Resp: 146080

Ion Ratio Lower Upper

94 100

96 94.8 68.0 126.2

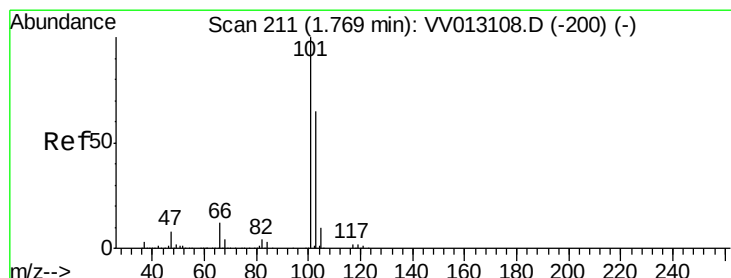
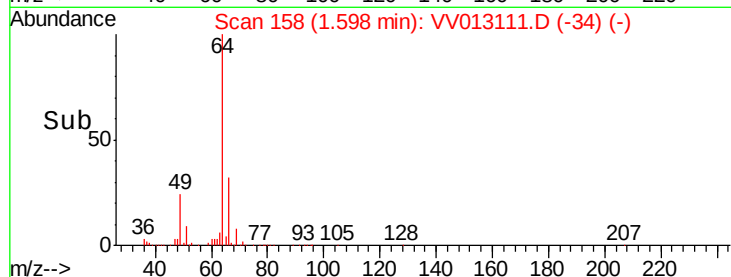
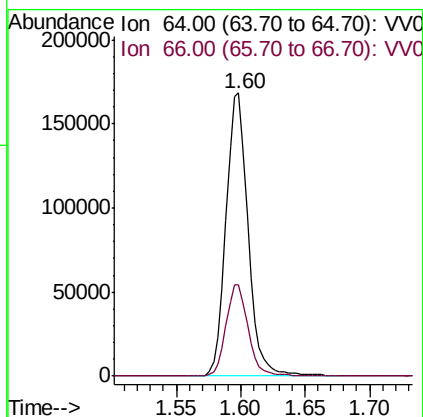
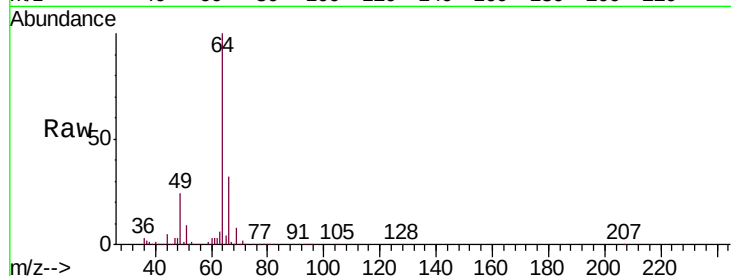




#8
Chloroethane
Concen: 49.503 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV013111.D
Acq: 11 Oct 2019 19:06

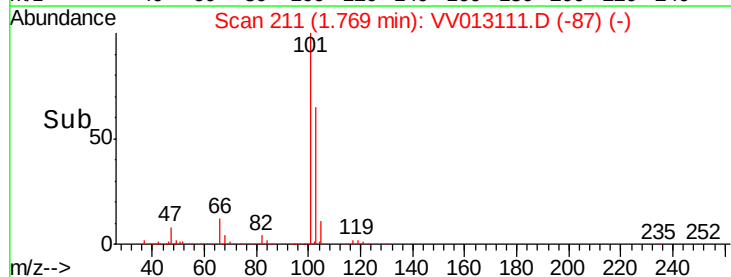
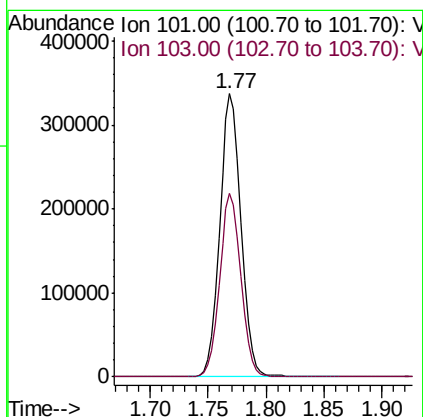
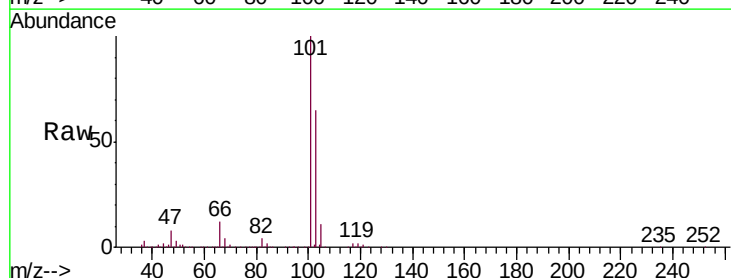
Instrument :
MSVOA_V
ClientSampleId :
VICV63

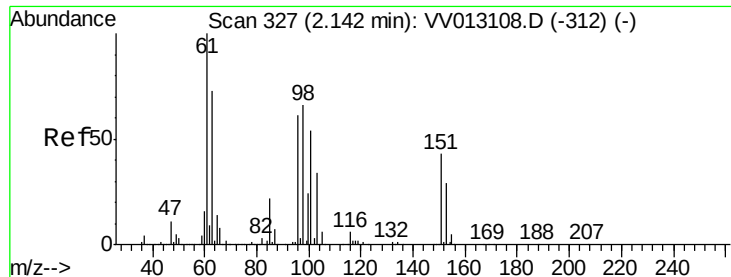
Tgt Ion: 64 Resp: 200008
Ion Ratio Lower Upper
64 100
66 32.2 23.0 42.8



#9
Trichlorofluoromethane
Concen: 49.639 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV013111.D
Acq: 11 Oct 2019 19:06

Tgt Ion: 101 Resp: 432644
Ion Ratio Lower Upper
101 100
103 64.7 51.3 76.9





#10

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

Concen: 49.774 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

VICV63

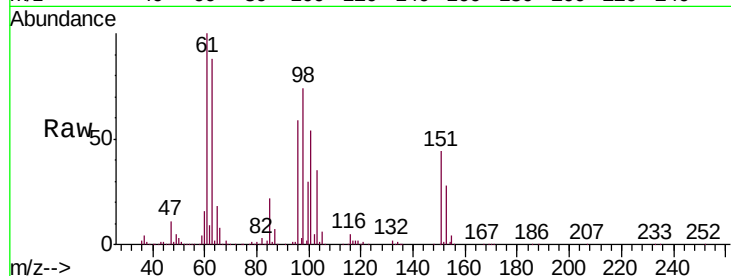
Tgt Ion: 101 Resp: 25536

Ion Ratio Lower Upper

101 100

85 41.1 32.9 49.3

151 82.0 64.9 97.3



Abundance Ion 101.00 (100.70 to 101.70): VV013108.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV013108.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV013108.D (-312) (-)

2.14

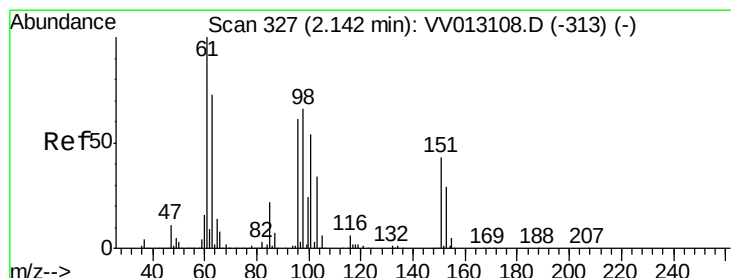
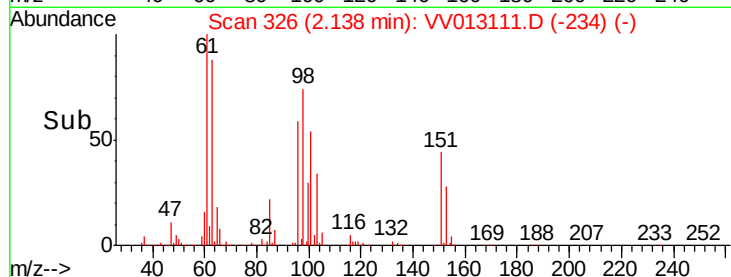
150000

100000

50000

0

Time--> 2.05 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 49.894 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

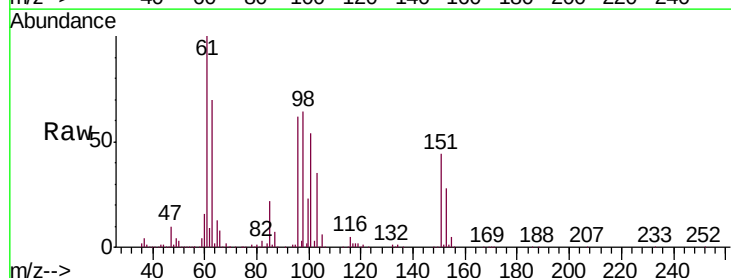
Tgt Ion: 96 Resp: 247857

Ion Ratio Lower Upper

96 100

61 161.7 115.7 214.9

63 113.4 84.3 156.5



Abundance Ion 96.00 (95.70 to 96.70): VV013108.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV013108.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV013108.D (-313) (-)

2.14

400000

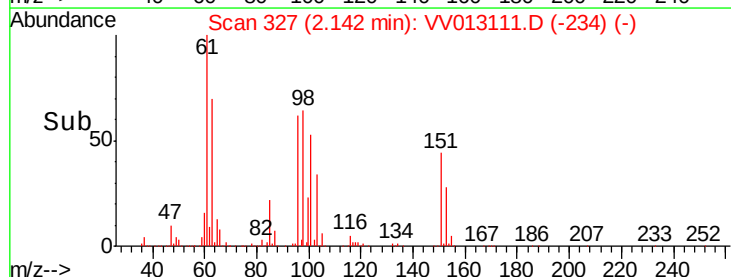
300000

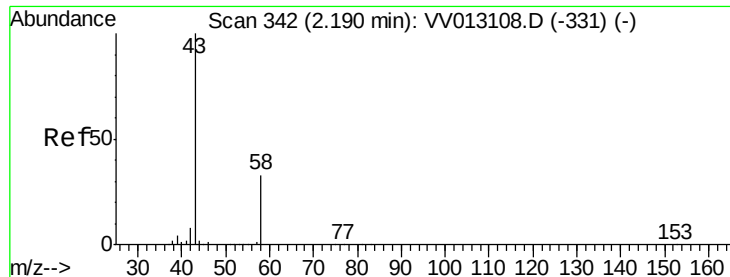
200000

100000

0

Time--> 2.05 2.10 2.15 2.20





#13

Acetone

Concen: 90.562 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

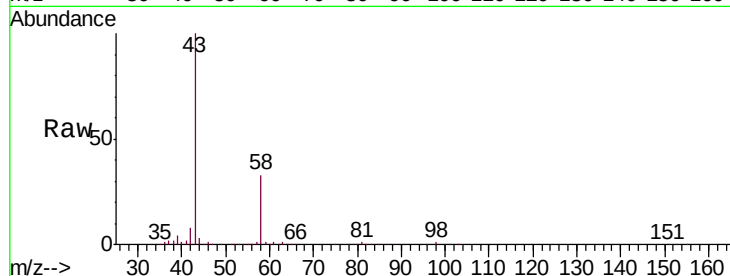
VICV63

Tgt Ion: 43 Resp: 316579

Ion Ratio Lower Upper

43 100

58 32.8 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VV013108.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV013108.D (-331) (-)

2.19

200000

150000

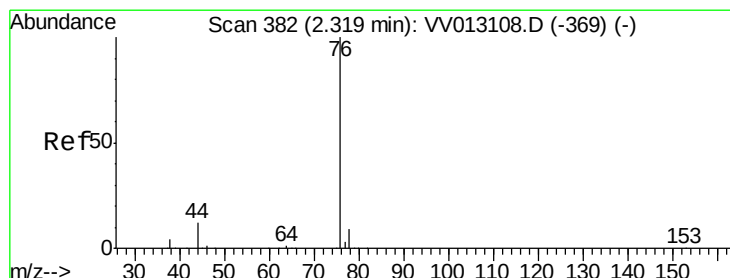
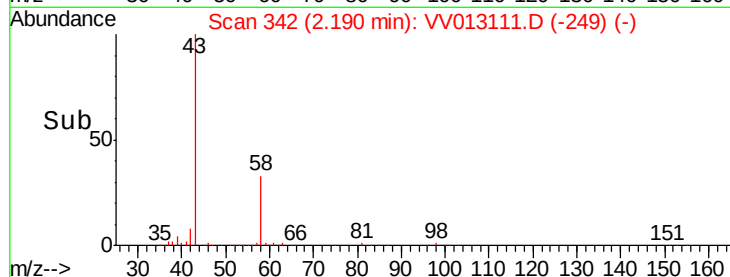
100000

50000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 51.044 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013111.D

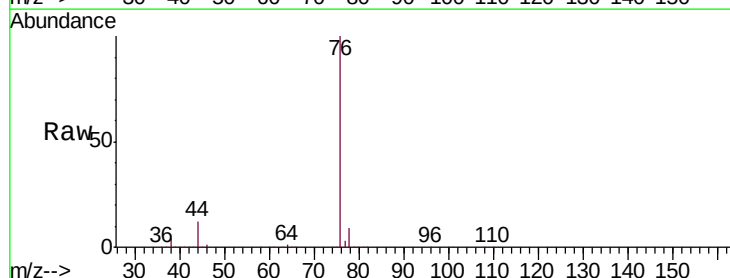
Acq: 11 Oct 2019 19:06

Tgt Ion: 76 Resp: 735375

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV013108.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV013108.D (-369) (-)

2.32

600000

500000

400000

300000

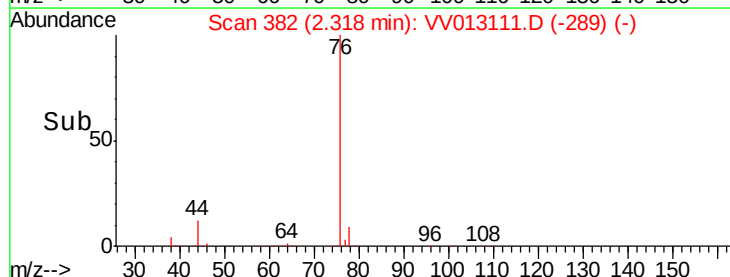
200000

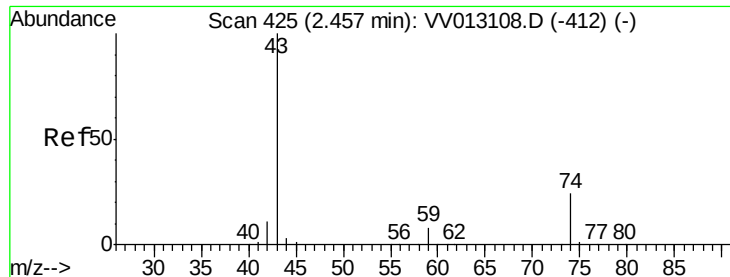
100000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 50.405 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

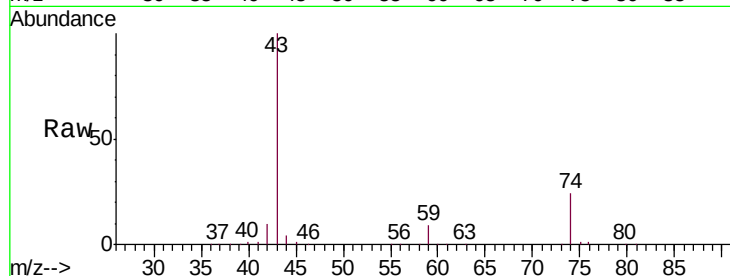
VICV63

Tgt Ion: 43 Resp: 312250

Ion Ratio Lower Upper

43 100

74 23.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.46

200000

150000

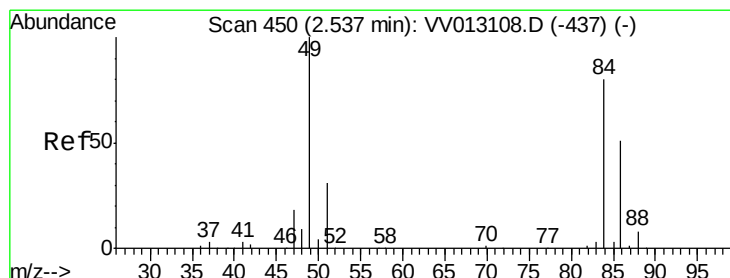
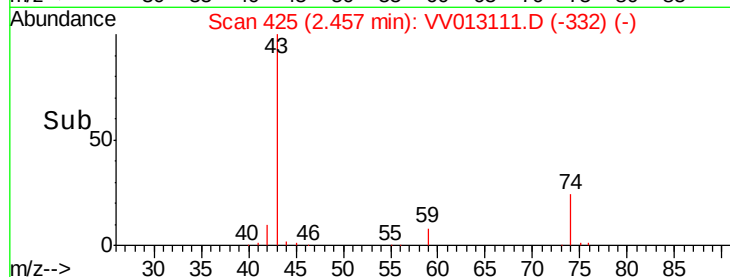
100000

50000

0

Time-->

2.40 2.50 2.60



#16

Methylene chloride

Concen: 49.648 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

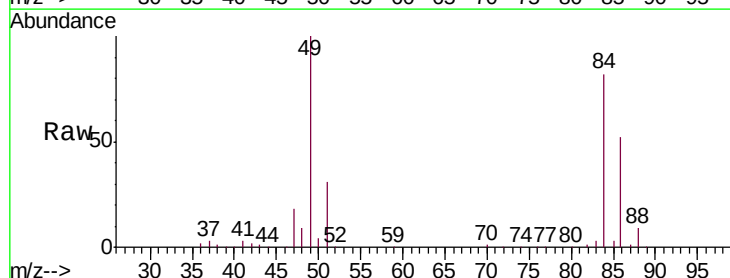
Tgt Ion: 84 Resp: 293439

Ion Ratio Lower Upper

84 100

86 64.2 45.1 83.9

49 122.6 87.8 163.0



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

300000

250000

200000

150000

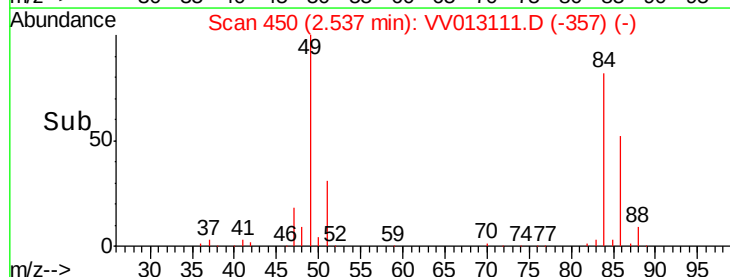
100000

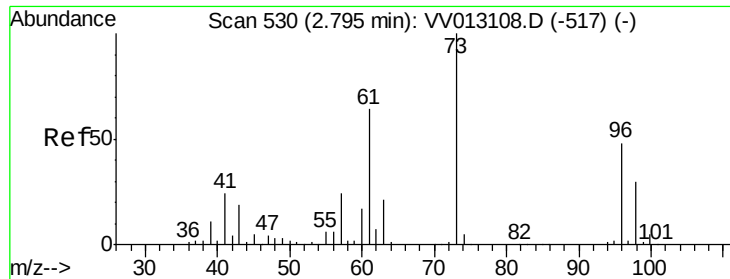
50000

0

Time-->

2.45 2.50 2.55 2.60

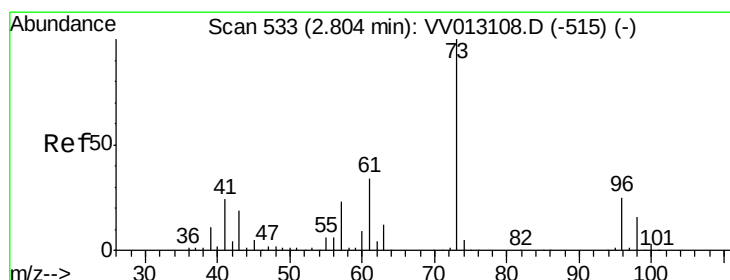
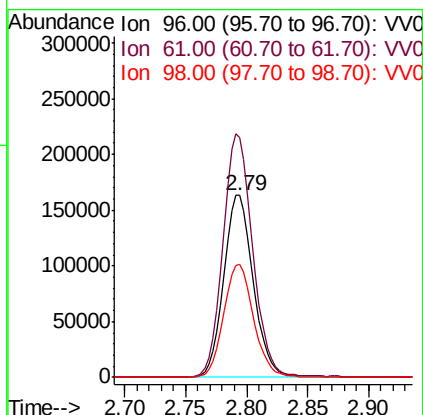
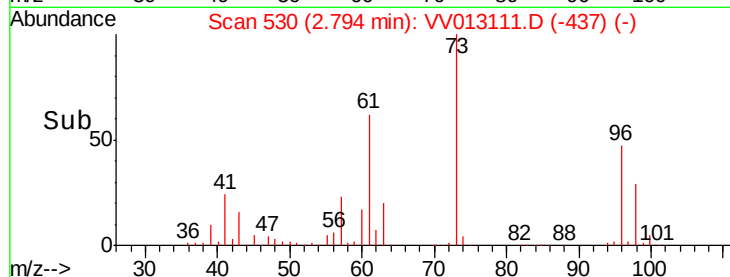
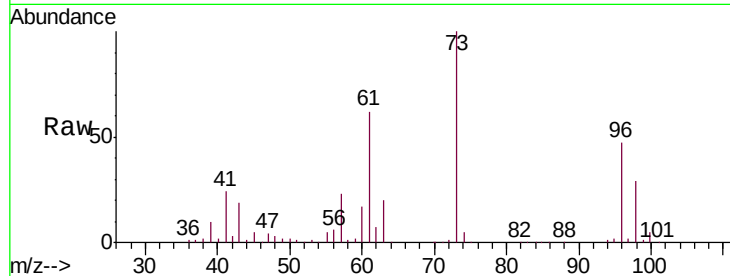




#17
trans-1,2-Dichloroethene
Concen: 51.763 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV013111.D
Acq: 11 Oct 2019 19:06

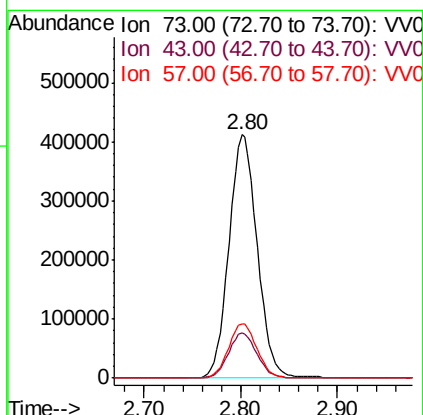
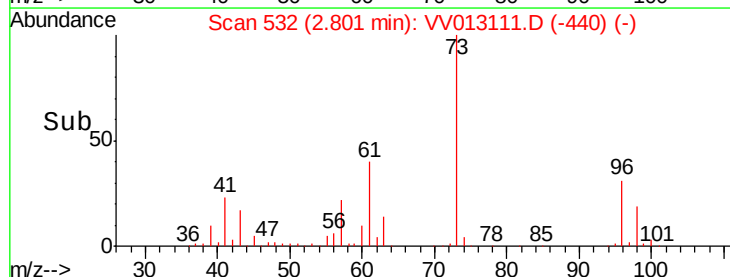
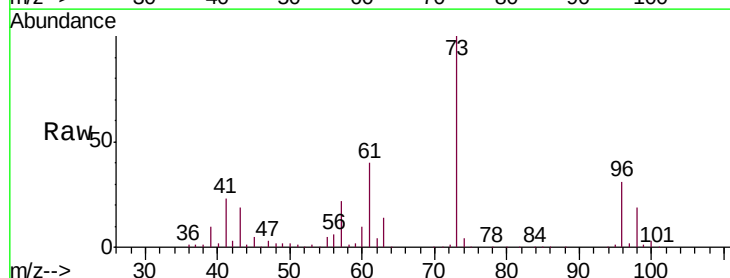
Instrument :
MSVOA_V
ClientSampled :
VICV63

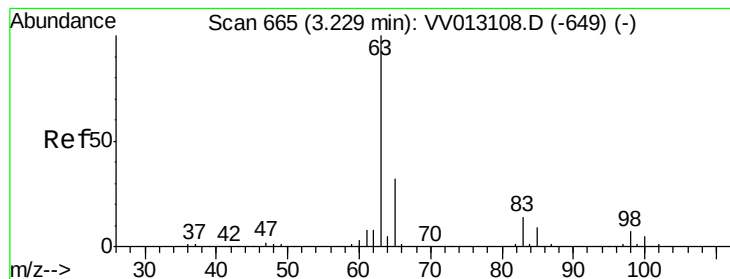
Tgt Ion: 96 Resp: 278968
Ion Ratio Lower Upper
96 100
61 131.7 93.9 174.5
98 62.2 43.9 81.5



#18
Methyl tert-butyl Ether
Concen: 51.422 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013111.D
Acq: 11 Oct 2019 19:06

Tgt Ion: 73 Resp: 836478
Ion Ratio Lower Upper
73 100
43 18.6 15.0 22.6
57 22.5 18.2 27.2





#19

1,1-Dichloroethane

Concen: 50.375 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

VICV63

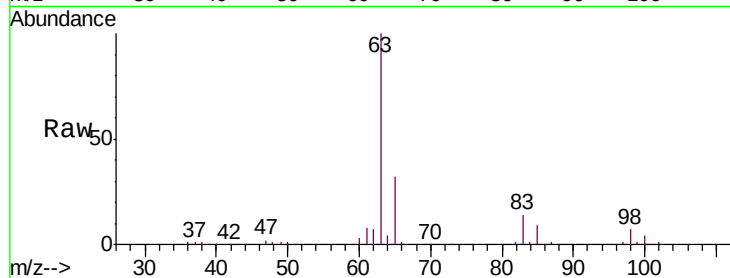
Tgt Ion: 63 Resp: 512107

Ion Ratio Lower Upper

63 100

65 31.8 22.1 41.1

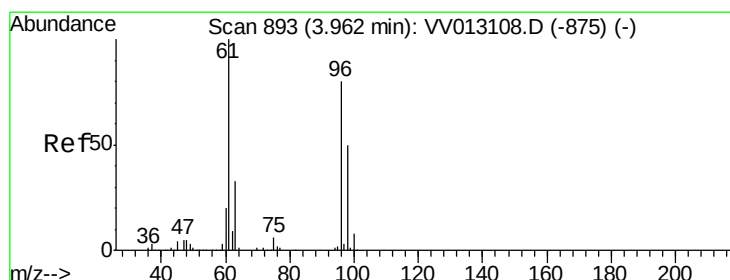
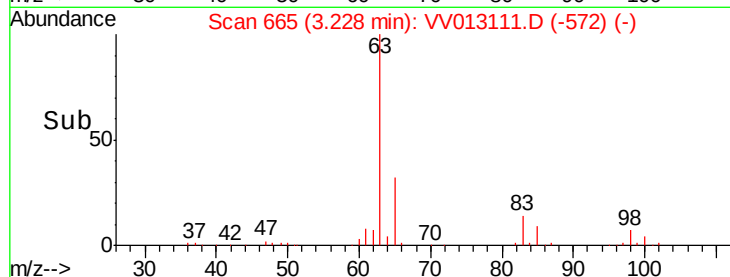
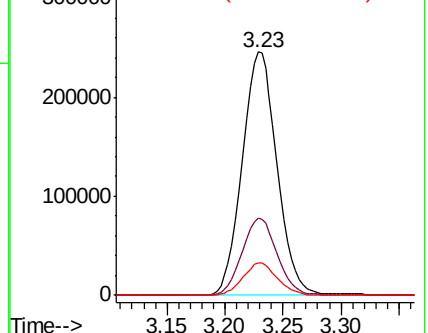
83 13.5 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 51.103 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

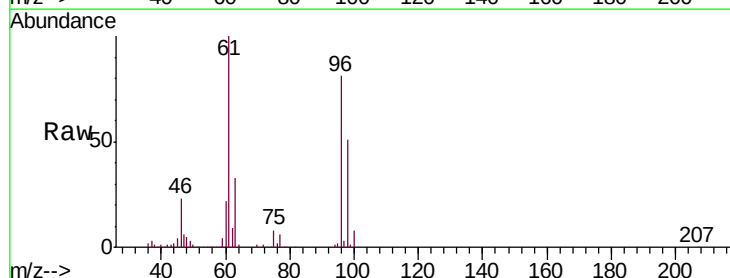
Tgt Ion: 96 Resp: 311695

Ion Ratio Lower Upper

96 100

61 124.0 87.5 162.5

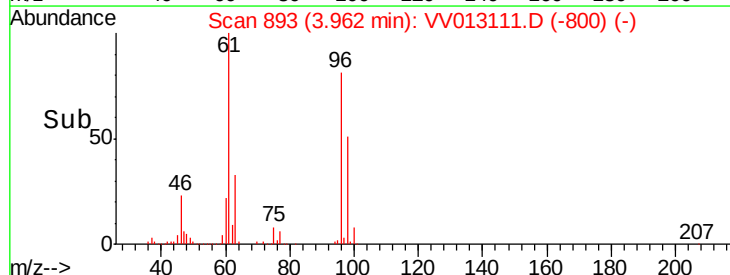
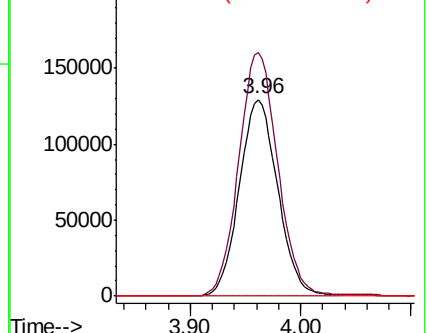
68 0.0 0.0 0.0

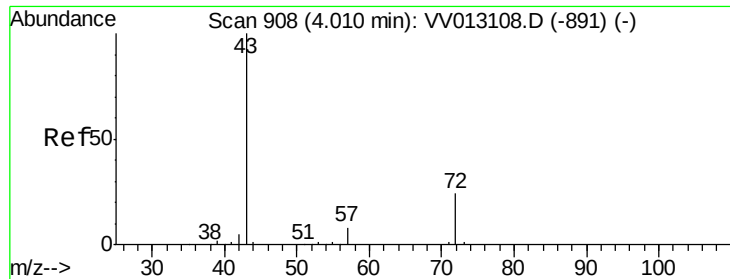


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 104.551 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

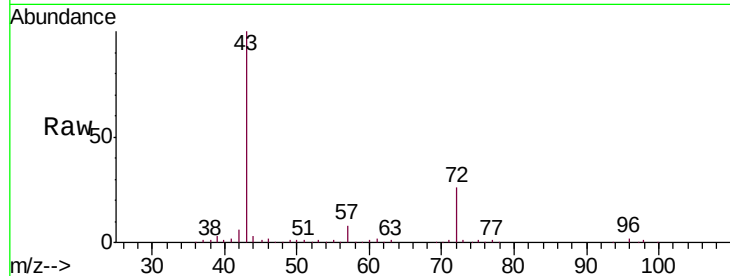
VICV63

Tgt Ion: 43 Resp: 465198

Ion Ratio Lower Upper

43 100

72 25.0 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VV013111.D (-815) (-)

Ion 72.00 (71.70 to 72.70): VV013111.D (-815) (-)

200000

150000

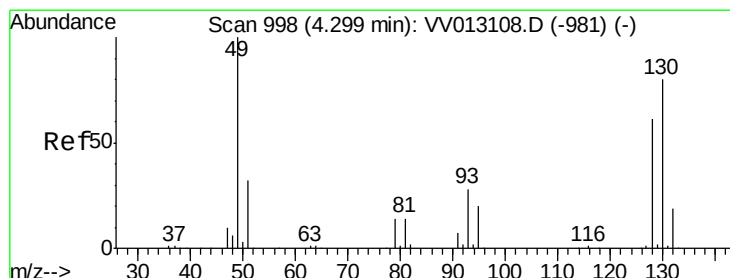
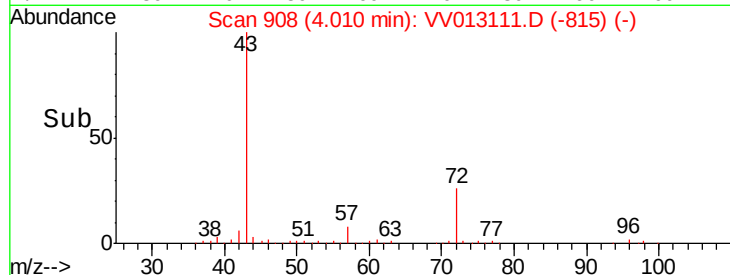
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#23

Bromochloromethane

Concen: 49.917 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Tgt Ion: 128 Resp: 154636

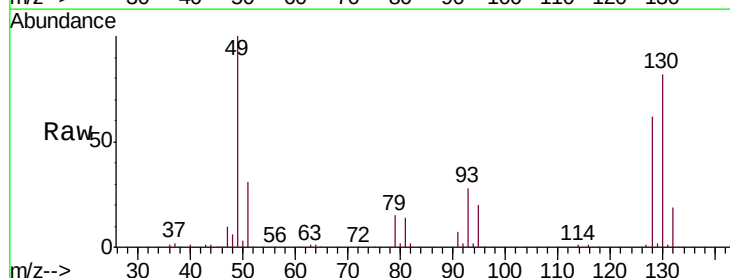
Ion Ratio Lower Upper

128 100

49 161.4 114.0 211.6

130 132.7 90.8 168.6

51 50.6 41.0 61.4



Abundance Ion 128.00 (127.70 to 128.70): VV013111.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV013111.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV013111.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV013111.D (-905) (-)

150000

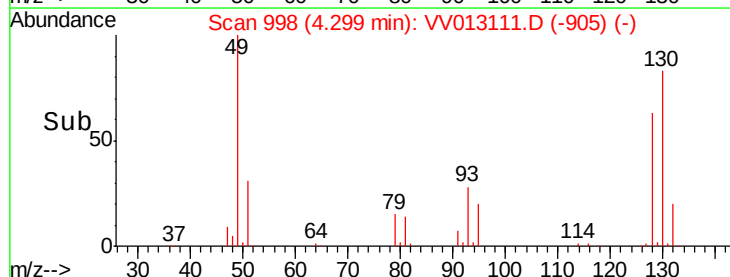
100000

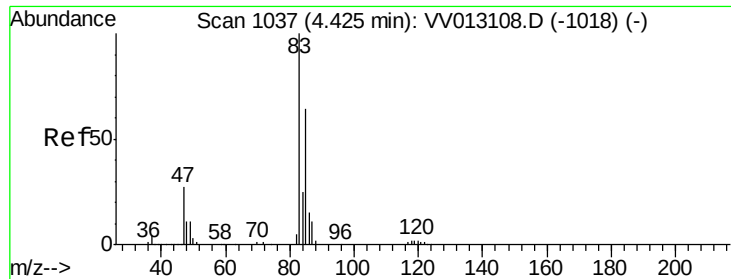
50000

0

4.20 4.30 4.40

Time-->

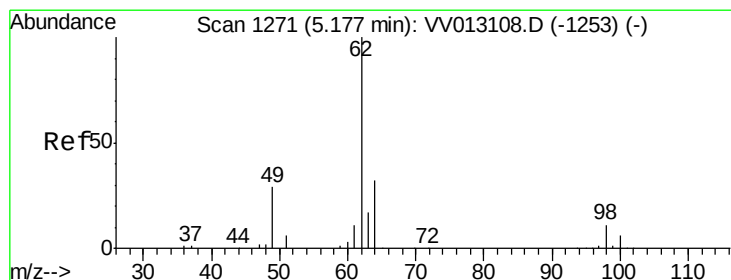
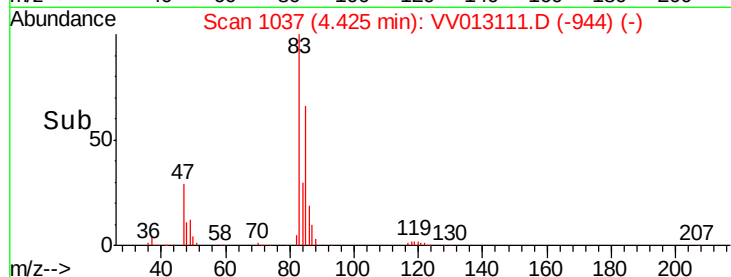
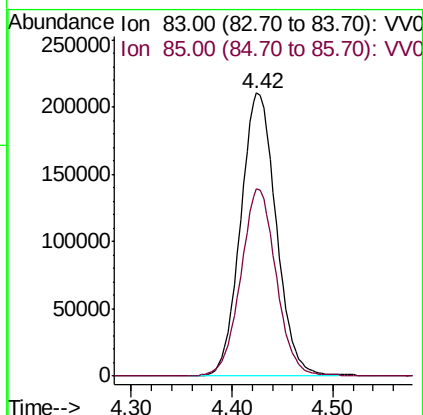
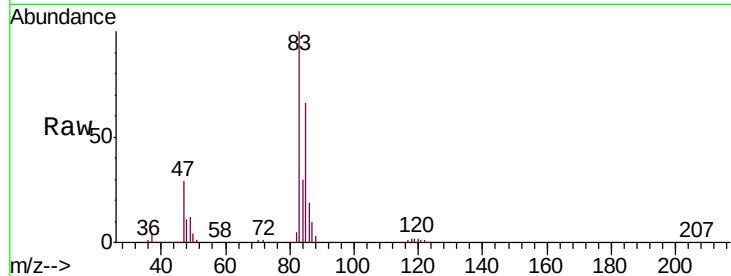




#25
Chloroform
Concen: 50.149 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013111.D
Acq: 11 Oct 2019 19:06

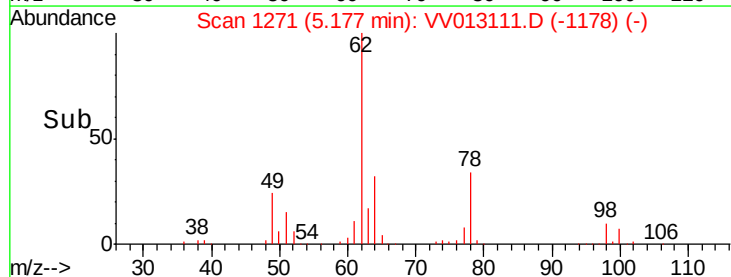
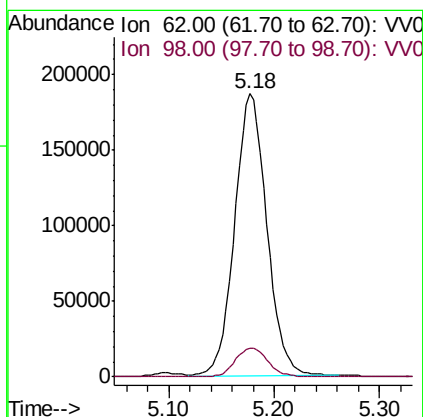
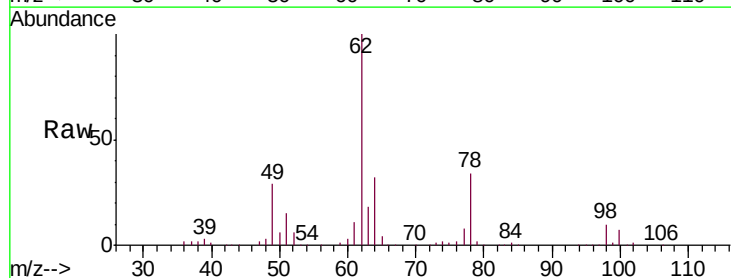
Instrument :
MSVOA_V
ClientSampleId :
VICV63

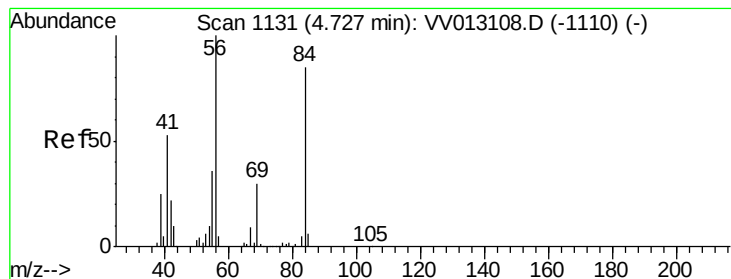
Tgt Ion: 83 Resp: 513668
Ion Ratio Lower Upper
83 100
85 66.1 44.7 82.9



#27
1,2-Dichloroethane
Concen: 50.341 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013111.D
Acq: 11 Oct 2019 19:06

Tgt Ion: 62 Resp: 395264
Ion Ratio Lower Upper
62 100
98 10.2 8.3 12.5





#29

Cyclohexane

Concen: 53.443 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

VICV63

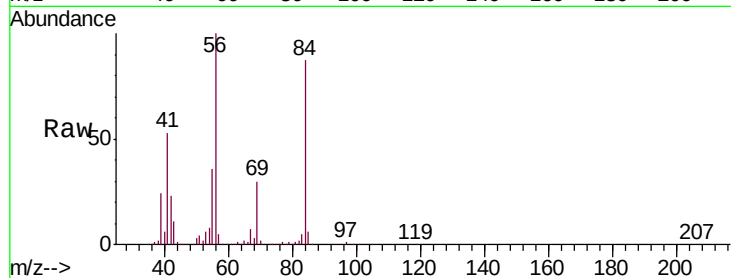
Tgt Ion: 56 Resp: 476006

Ion Ratio Lower Upper

56 100

69 30.4 24.2 36.4

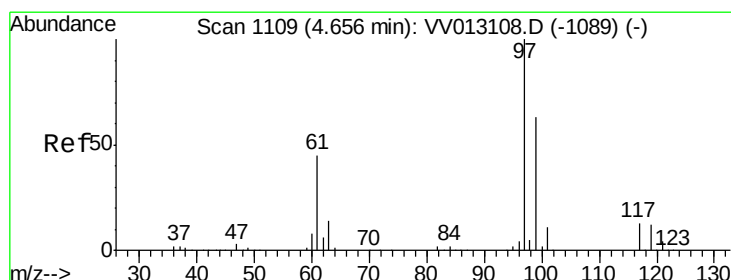
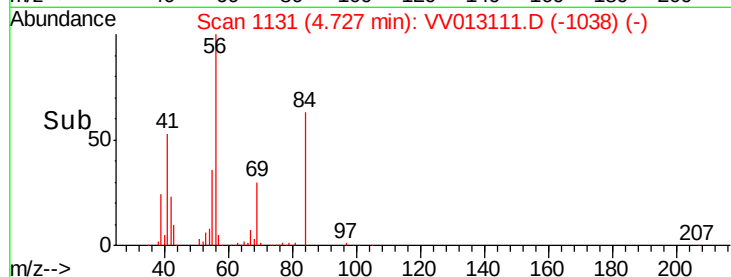
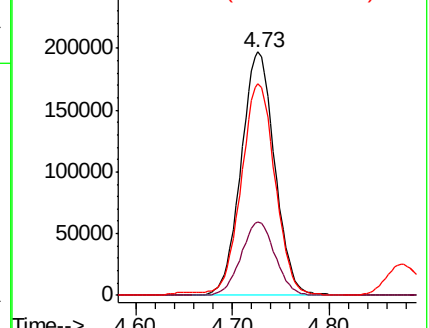
84 86.6 69.9 104.9



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 52.307 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

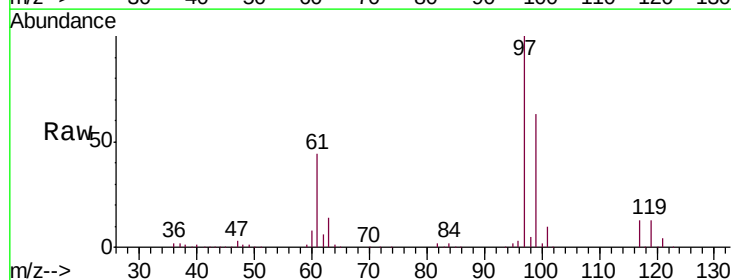
Tgt Ion: 97 Resp: 431638

Ion Ratio Lower Upper

97 100

99 63.8 51.9 77.9

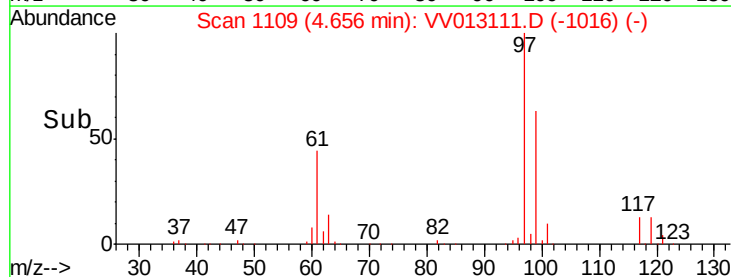
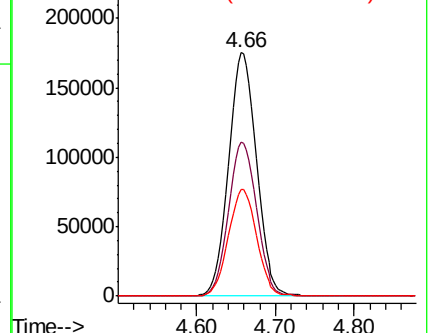
61 44.3 36.8 55.2

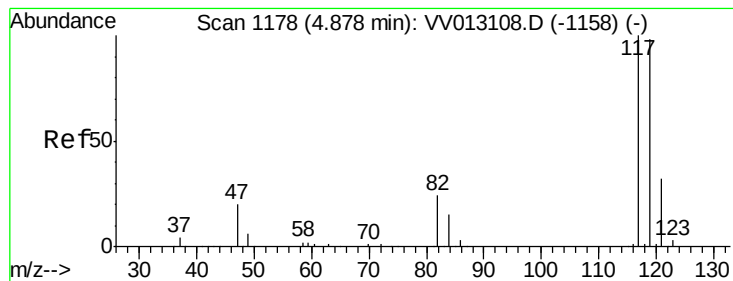


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.778 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

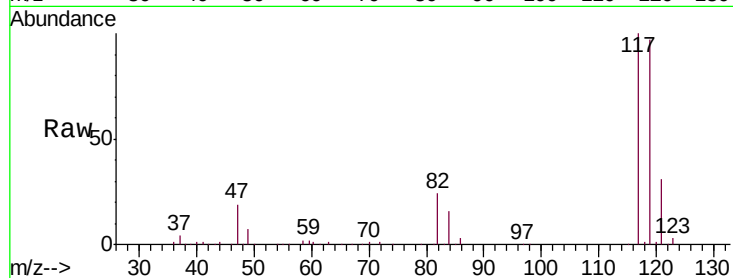
VICV63

Tgt Ion:117 Resp: 379667

Ion Ratio Lower Upper

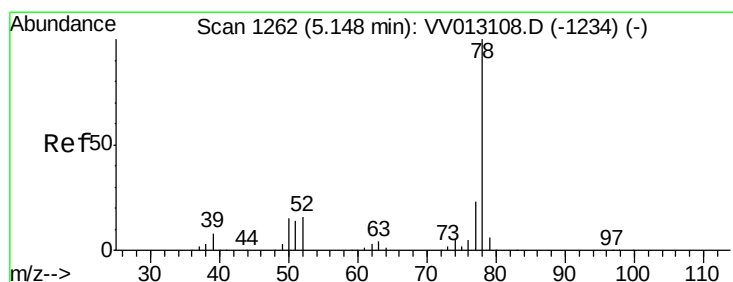
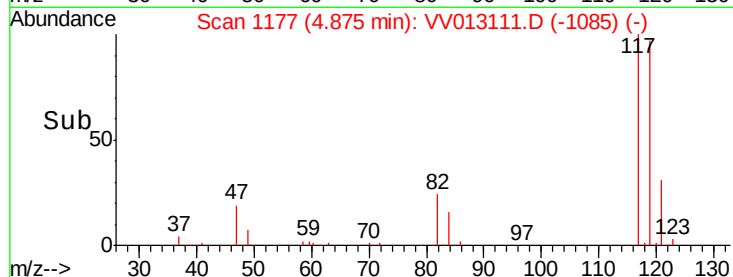
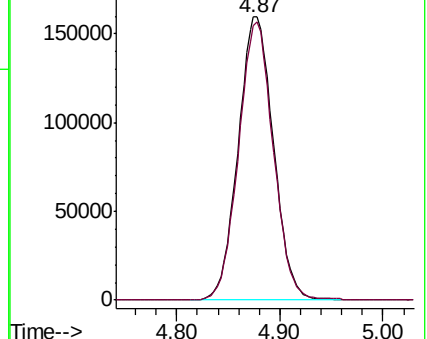
117 100

119 96.6 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.420 ug/L

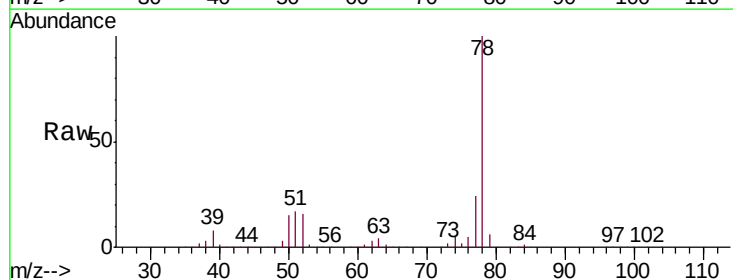
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

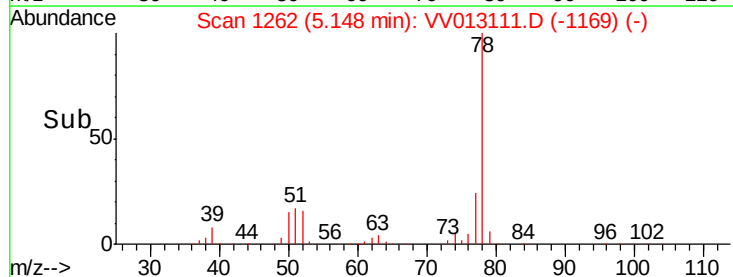
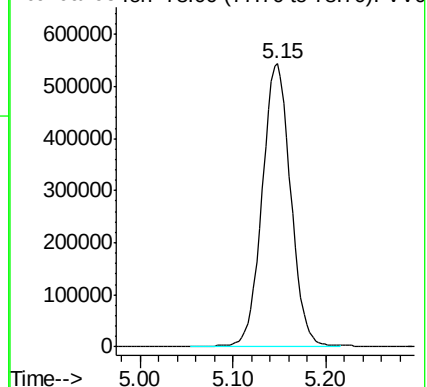
Lab File: VV013111.D

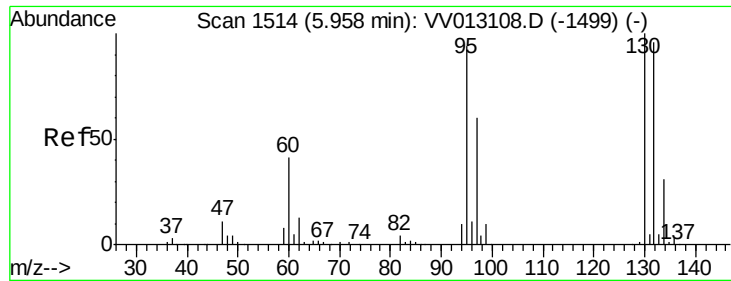
Acq: 11 Oct 2019 19:06

Tgt Ion: 78 Resp: 1164756



Abundance Ion 78.00 (77.70 to 78.70): VV0

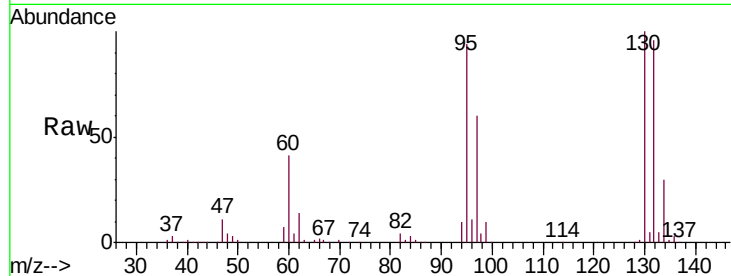




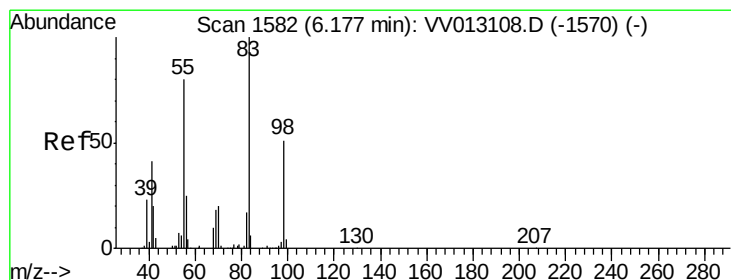
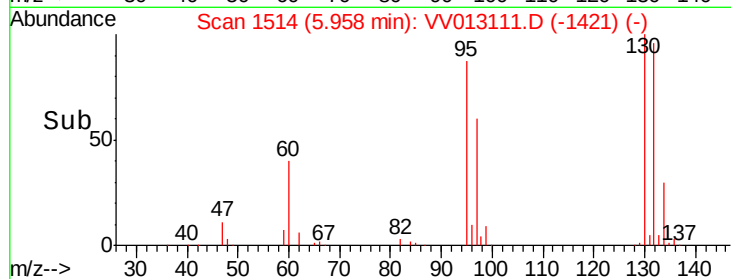
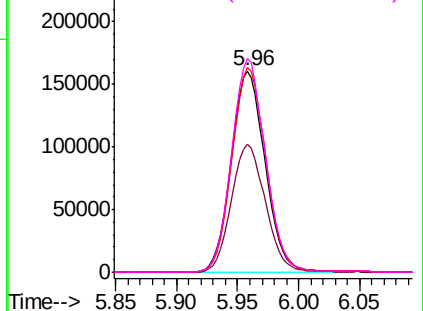
#34
 Trichloroethene
 Concen: 51.517 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

Instrument :
 MSVOA_V
 ClientSampled :
 VICV63

Tgt Ion: 95 Resp: 310707
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.7 82.9
 132 101.9 71.4 132.6
 130 106.0 74.2 137.8

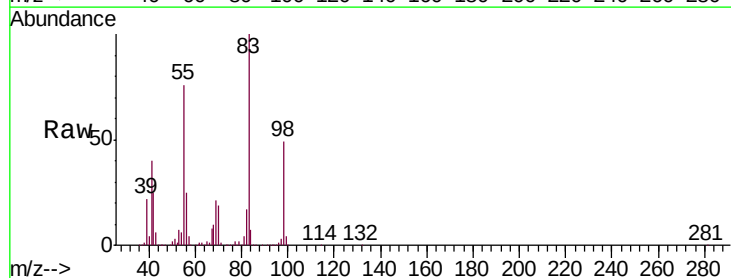


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

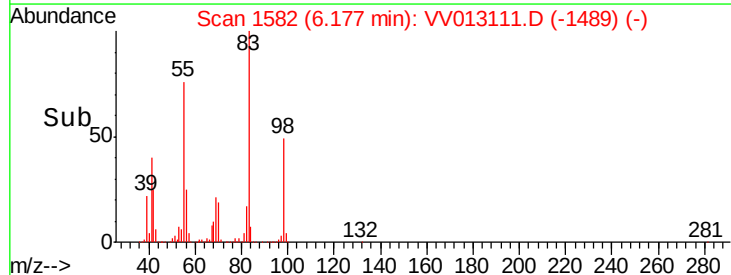
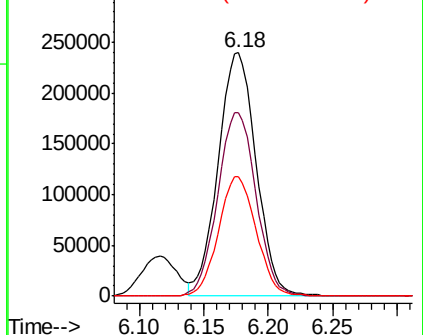


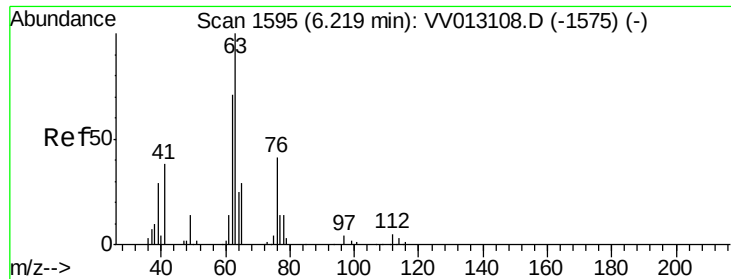
#35
 Methylcyclohexane
 Concen: 53.659 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

Tgt Ion: 83 Resp: 489538
 Ion Ratio Lower Upper
 83 100
 55 76.2 61.2 91.8
 98 48.6 40.1 60.1



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

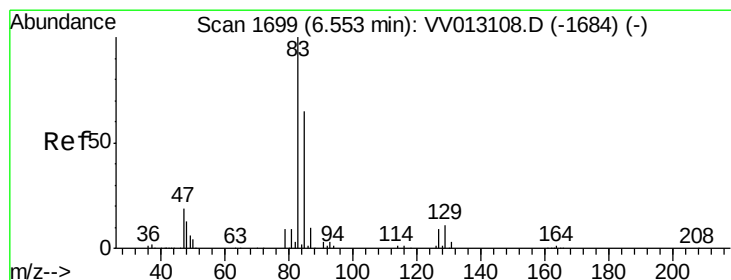
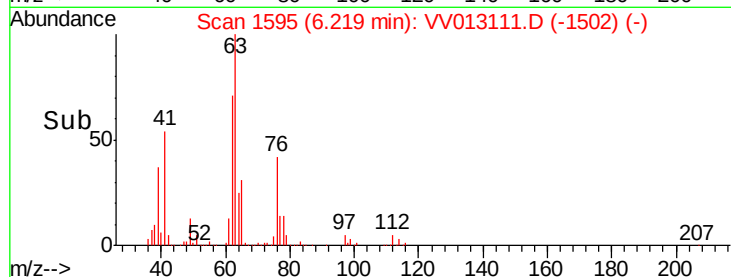
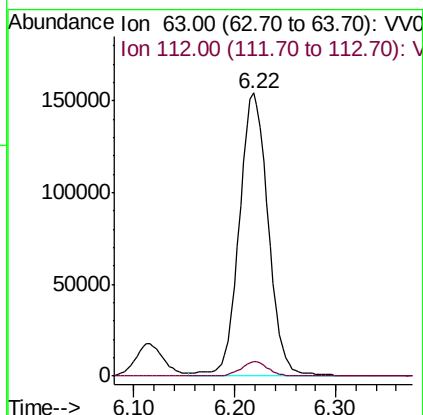
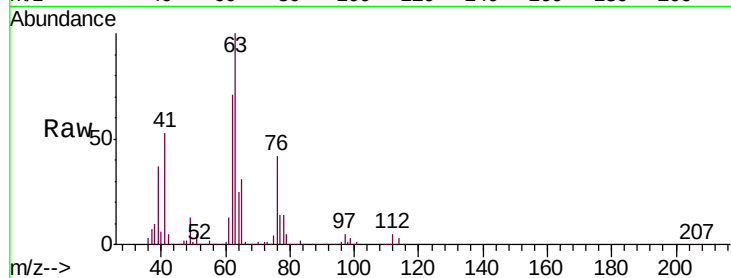




#37
 1,2-Dichloropropane
 Concen: 51.764 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

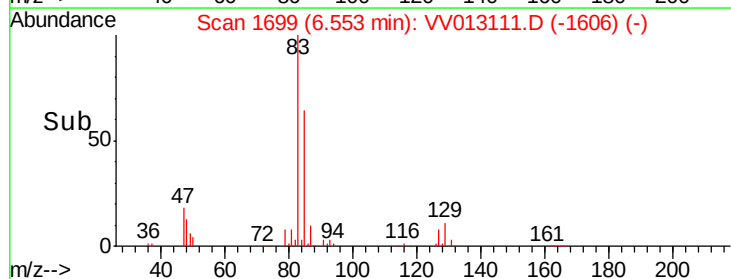
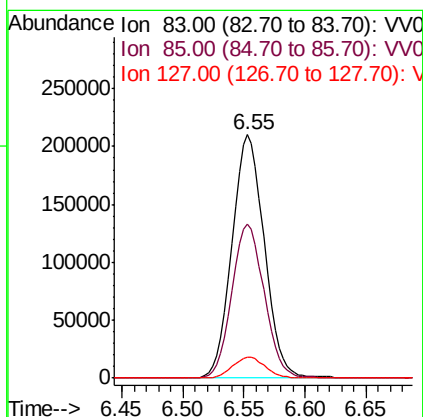
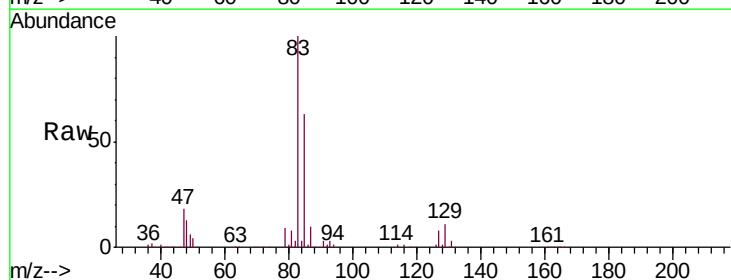
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV63

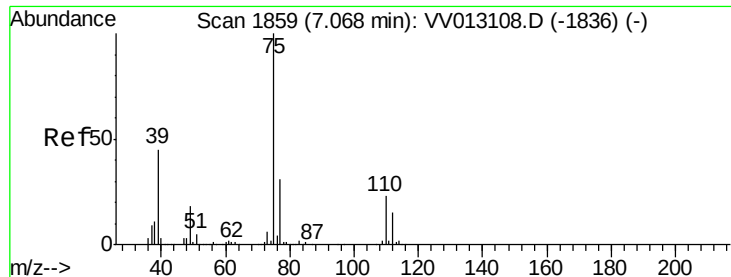
Tgt Ion: 63 Resp: 303622
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 51.818 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

Tgt Ion: 83 Resp: 386739
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.8 85.0
 127 8.4 7.4 11.0

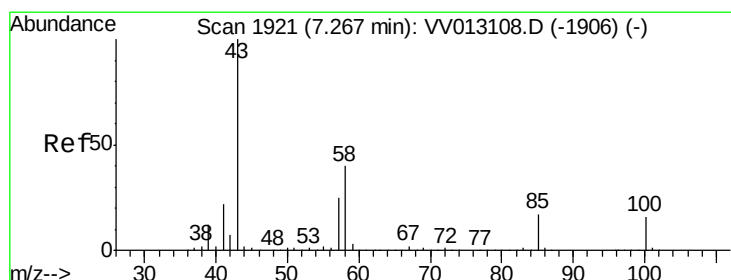
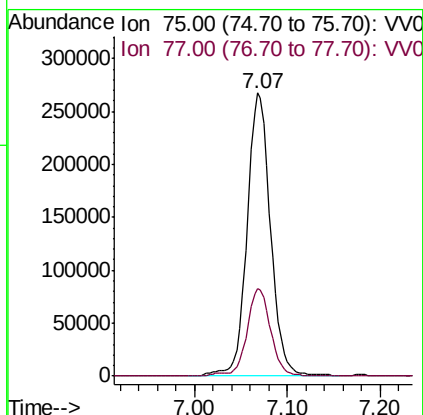
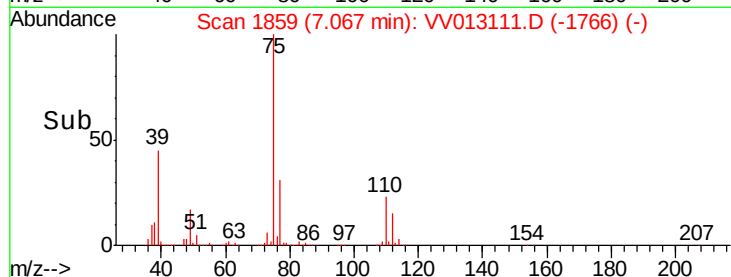
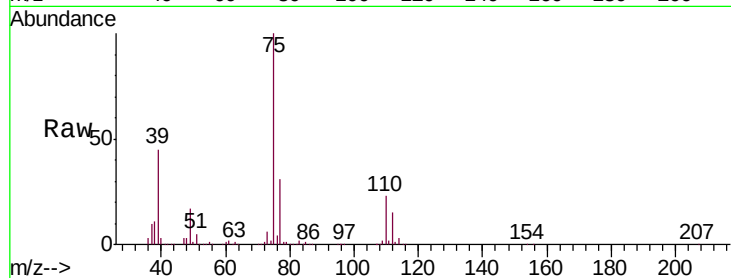




#39
 cis-1,3-Dichloropropene
 Concen: 54.169 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

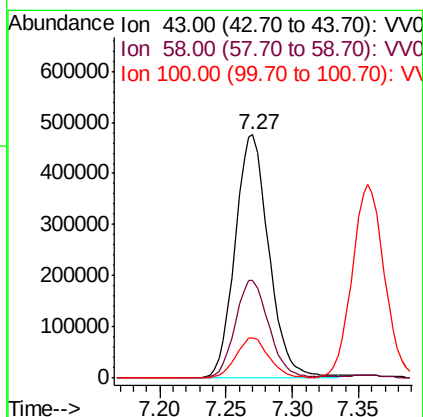
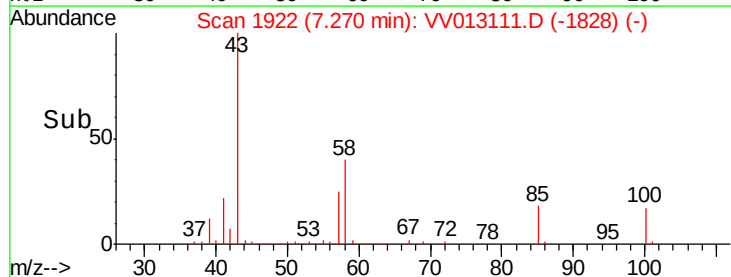
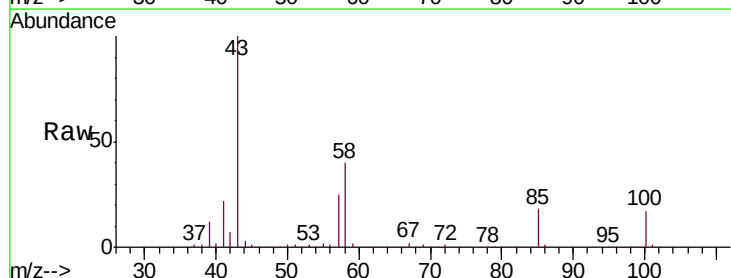
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV63

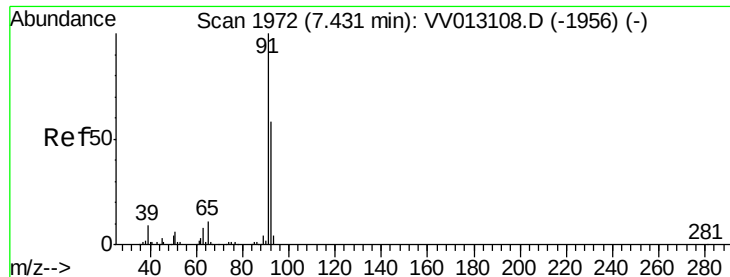
Tgt Ion: 75 Resp: 469912
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 109.914 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

Tgt Ion: 43 Resp: 843948
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.0 48.0
 100 16.3 12.7 19.1





#42

Toluene

Concen: 53.054 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

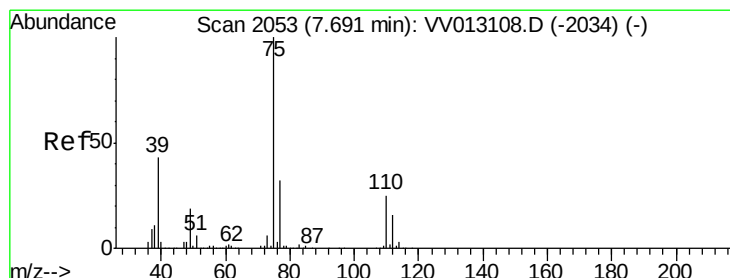
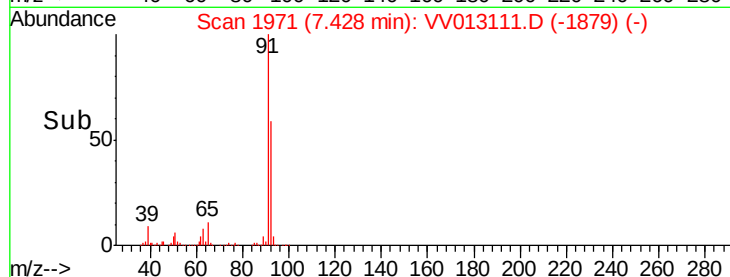
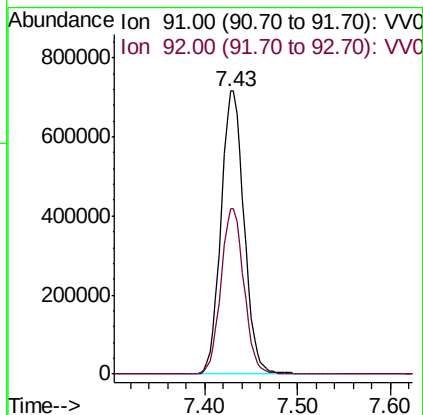
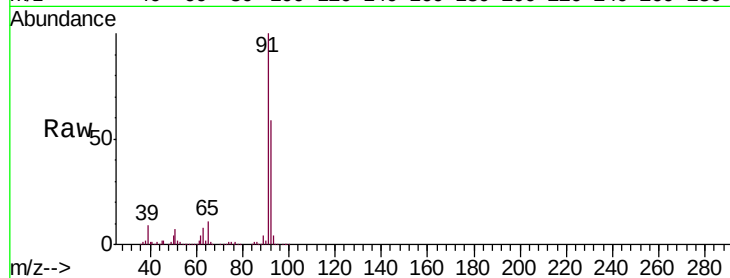
VICV63

Tgt Ion: 91 Resp: 1237169

Ion Ratio Lower Upper

91 100

92 58.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 53.782 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013111.D

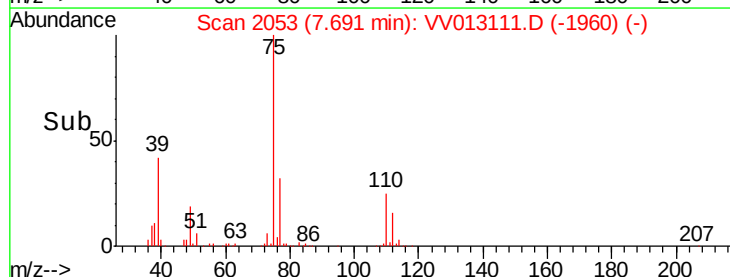
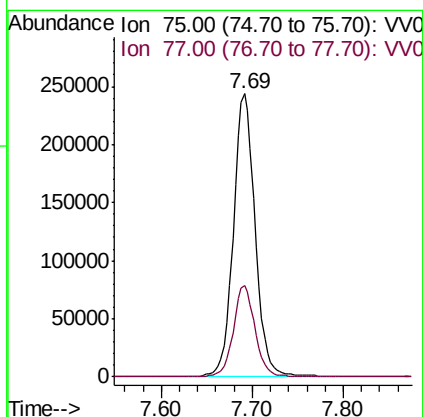
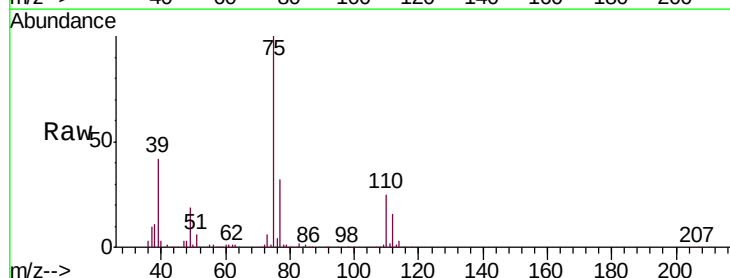
Acq: 11 Oct 2019 19:06

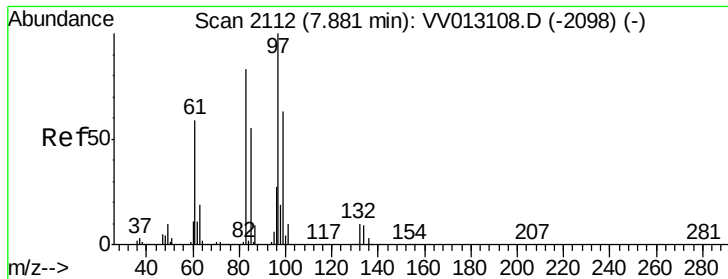
Tgt Ion: 75 Resp: 404437

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0

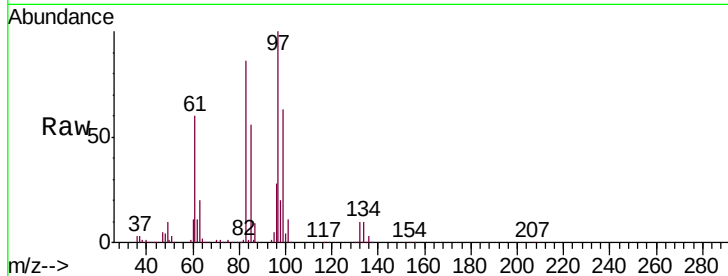




#45
 1,1,2-Trichloroethane
 Concen: 50.957 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

Instrument :
 MSVOA_V
 ClientSampled :
 VICV63

Tgt Ion:	97	Resp:	283770
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.4	82.5
83	85.8	58.2	108.0
85	55.6	38.7	71.9



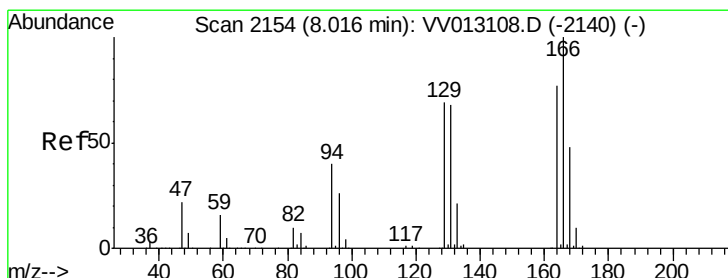
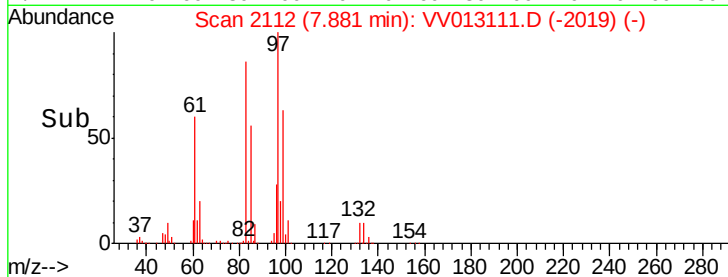
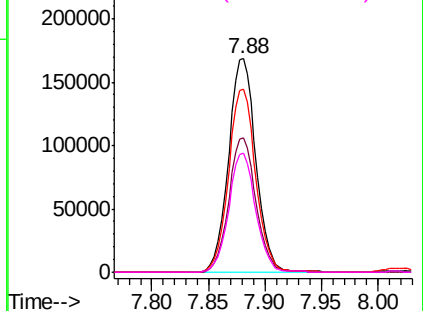
Abundance

Ion 97.00 (96.70 to 97.70): VV013111.D (-2019) (-)

Ion 99.00 (98.70 to 99.70): VV013111.D (-2019) (-)

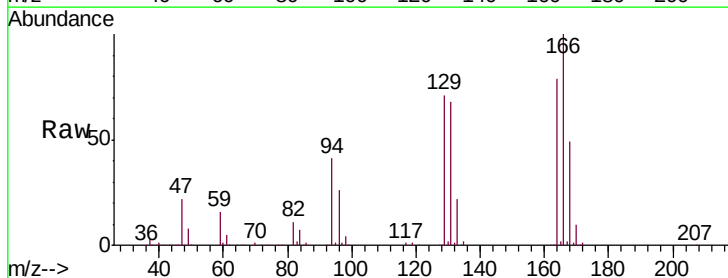
Ion 83.00 (82.70 to 83.70): VV013111.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV013111.D (-2019) (-)



#46
 Tetrachloroethene
 Concen: 52.133 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

Tgt Ion:	164	Resp:	248929
Ion	Ratio	Lower	Upper
164	100		
129	90.7	63.1	117.1
131	86.8	62.4	116.0
166	127.2	91.3	169.6



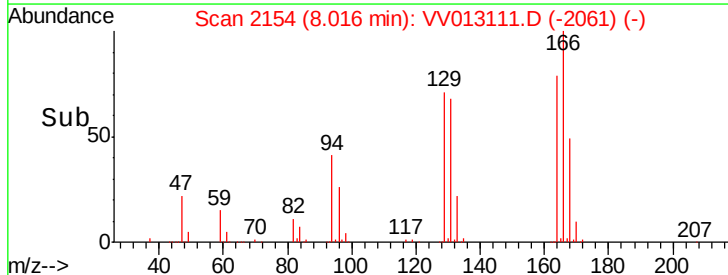
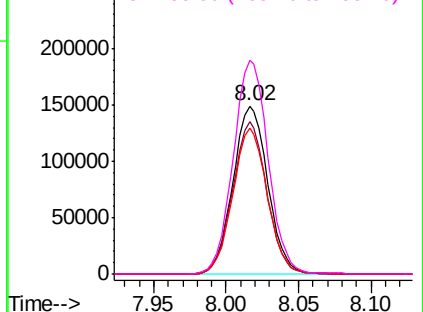
Abundance

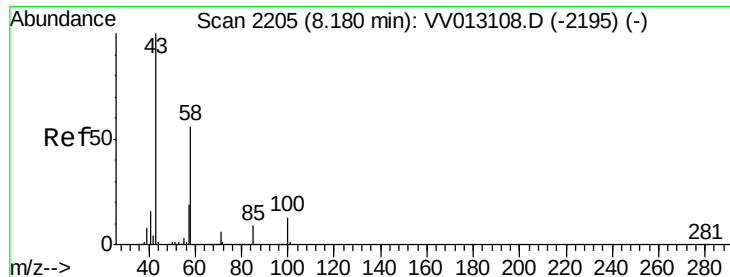
Ion 164.00 (163.70 to 164.70): VV013111.D (-2061) (-)

Ion 129.00 (128.70 to 129.70): VV013111.D (-2061) (-)

Ion 131.00 (130.70 to 131.70): VV013111.D (-2061) (-)

Ion 166.00 (165.70 to 166.70): VV013111.D (-2061) (-)

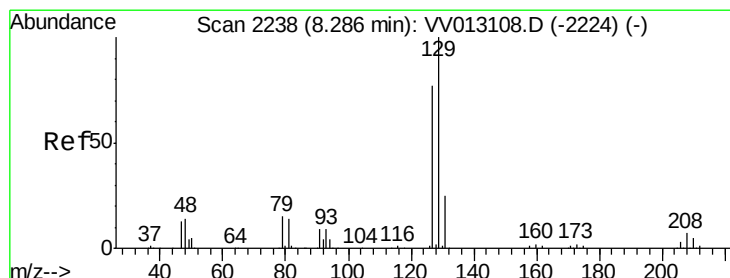
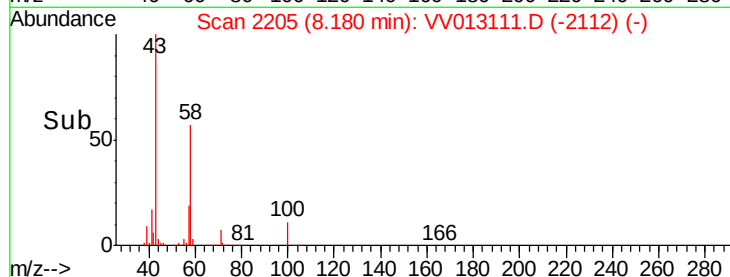
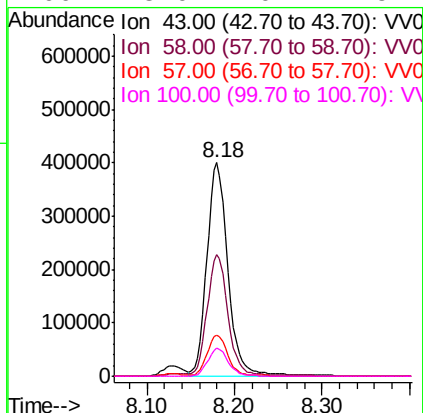
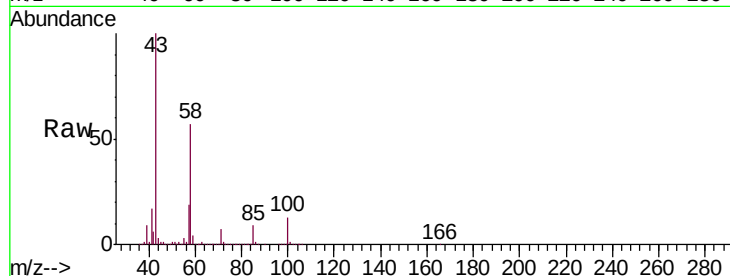




#48
2-Hexanone
Concen: 112.201 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013111.D
Acq: 11 Oct 2019 19:06

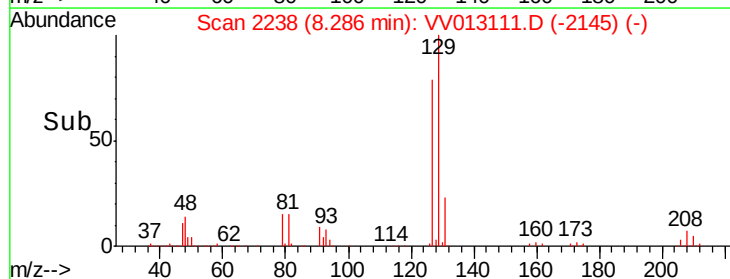
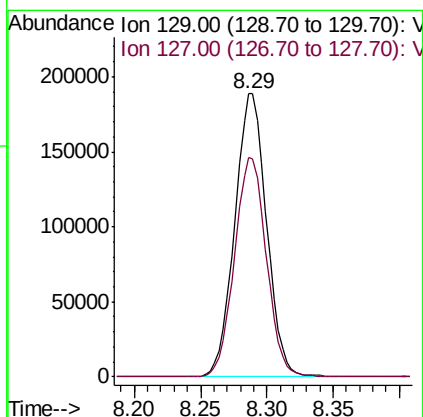
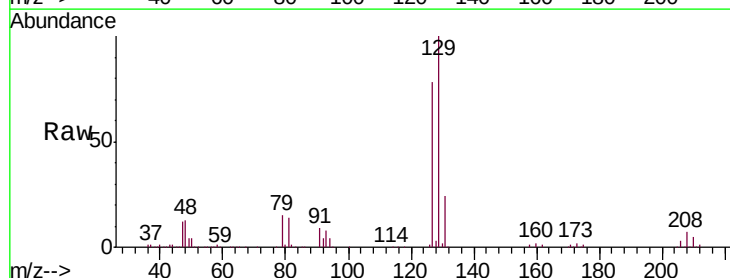
Instrument :
MSVOA_V
ClientSampleId :
VICV63

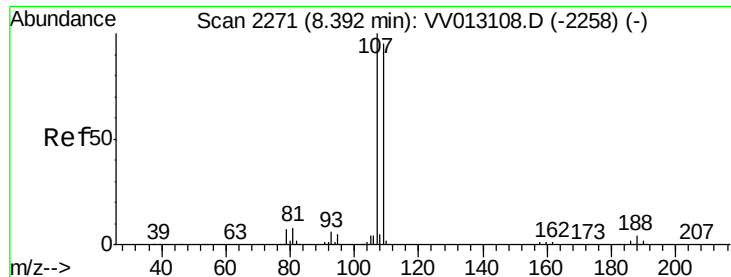
Tgt Ion:	43	Resp:	666193
Ion	Ratio	Lower	Upper
43	100		
58	56.3	44.9	67.3
57	19.0	15.0	22.6
100	13.0	10.2	15.2



#49
Dibromochloromethane
Concen: 51.770 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013111.D
Acq: 11 Oct 2019 19:06

Tgt Ion:	129	Resp:	314198
Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.0	100.4





#50

1,2-Dibromoethane

Concen: 52.228 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

VICV63

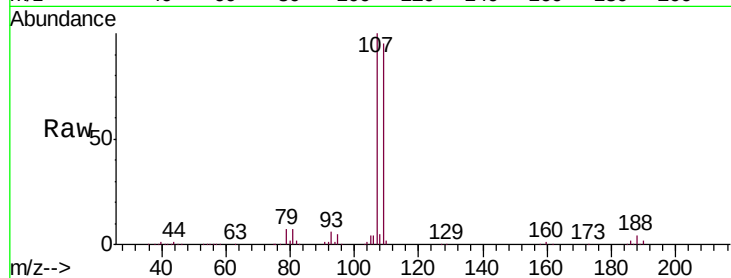
Tgt Ion:107 Resp: 303983

Ion Ratio Lower Upper

107 100

109 95.0 66.6 123.6

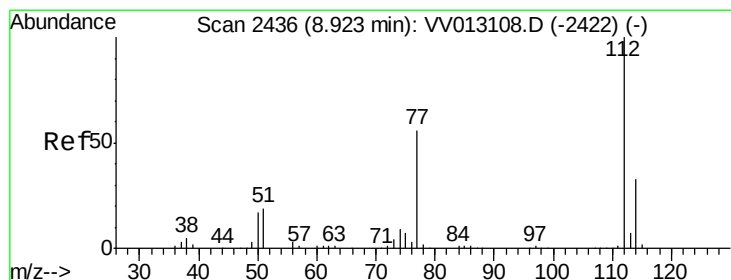
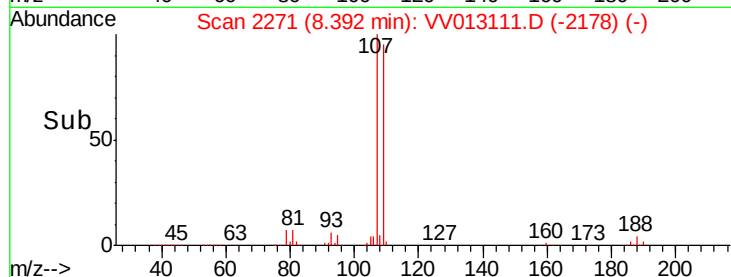
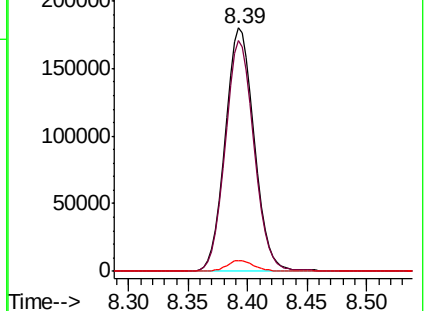
188 4.6 3.4 5.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.672 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

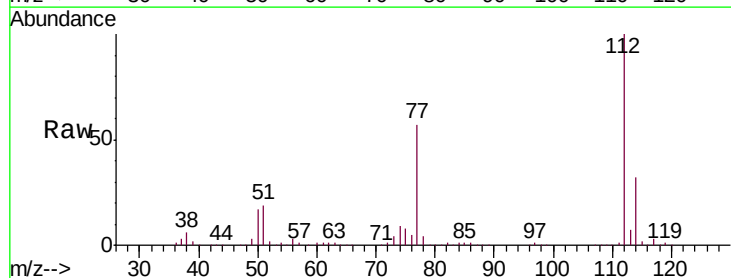
Tgt Ion:112 Resp: 790186

Ion Ratio Lower Upper

112 100

114 32.1 22.8 42.4

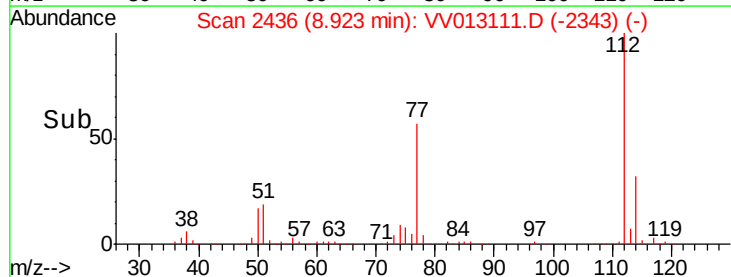
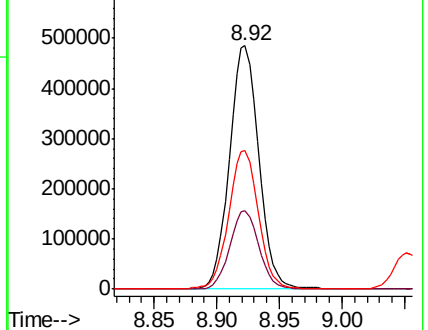
77 57.0 45.1 67.7

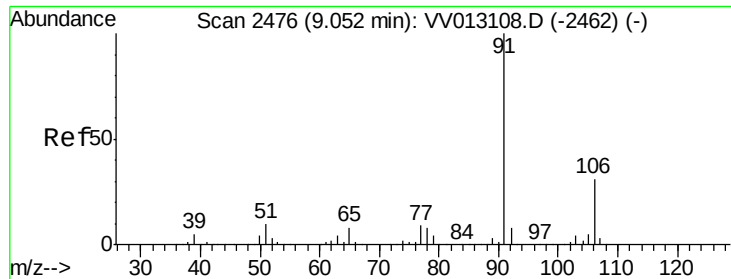


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 53.979 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

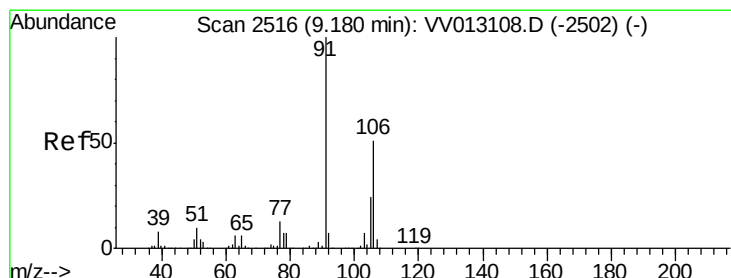
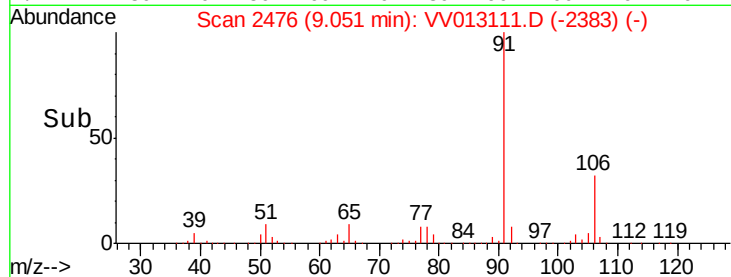
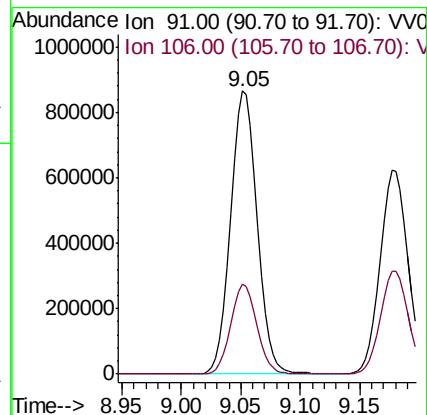
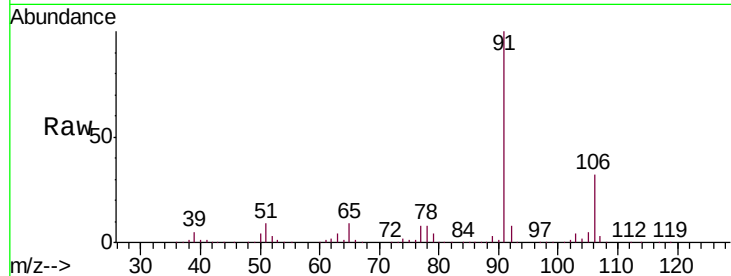
VICV63

Tgt Ion: 91 Resp: 1344537

Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.4



#53

m,p-Xylene

Concen: 54.844 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV013111.D

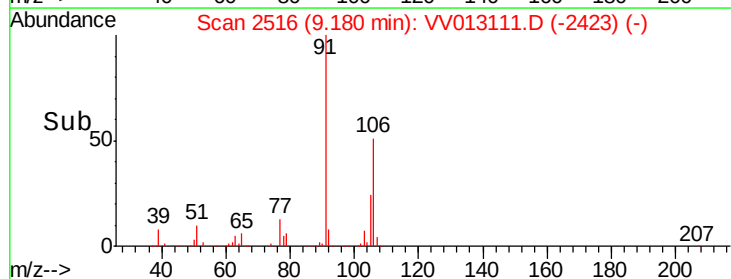
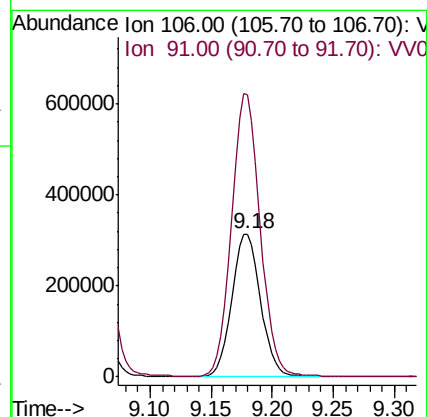
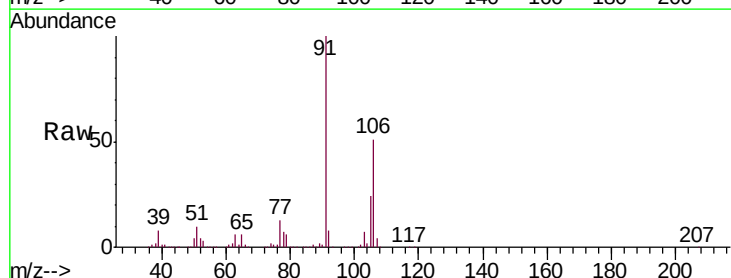
Acq: 11 Oct 2019 19:06

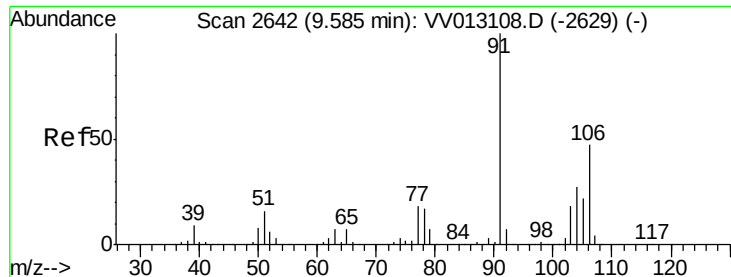
Tgt Ion: 106 Resp: 513947

Ion Ratio Lower Upper

106 100

91 197.2 137.8 255.8





#54

o-xylene

Concen: 54.063 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampled :

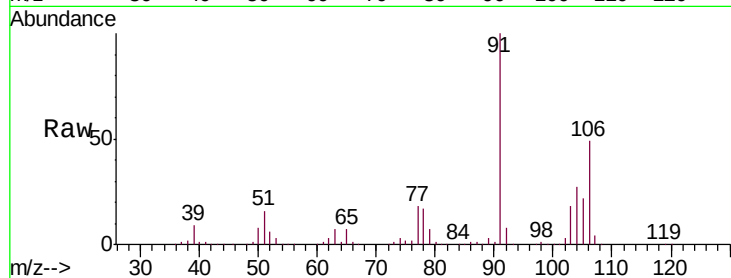
VICV63

Tgt Ion:106 Resp: 507589

Ion Ratio Lower Upper

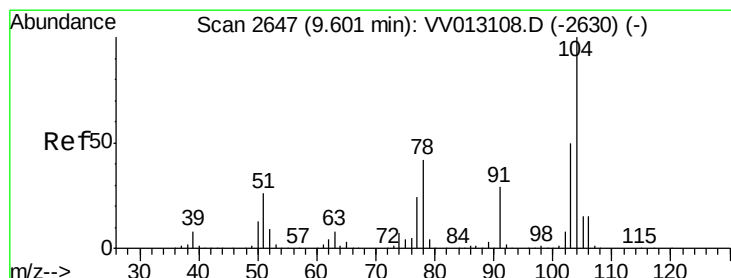
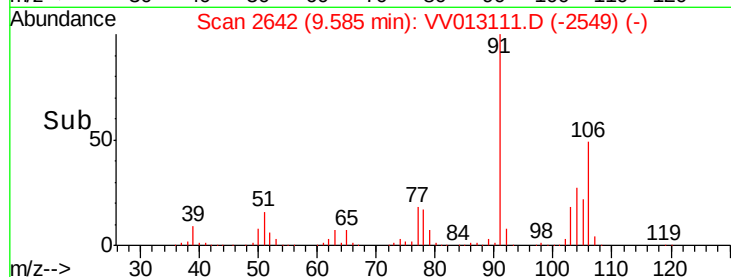
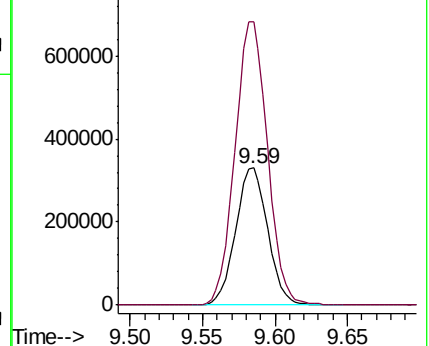
106 100

91 206.0 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 55.820 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV013111.D

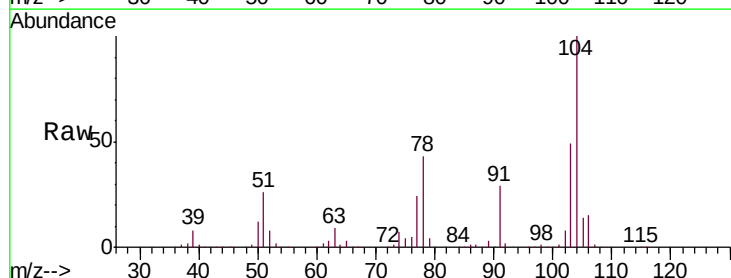
Acq: 11 Oct 2019 19:06

Tgt Ion:104 Resp: 860677

Ion Ratio Lower Upper

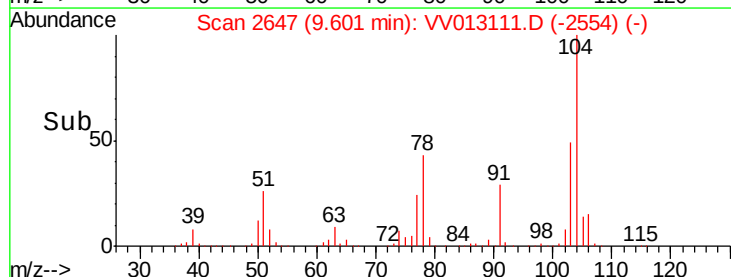
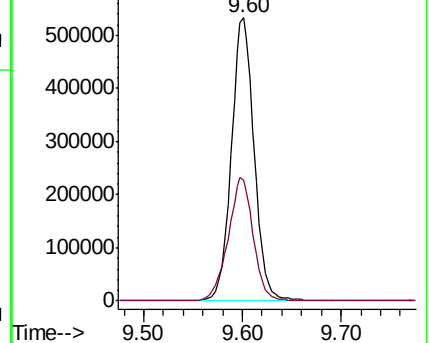
104 100

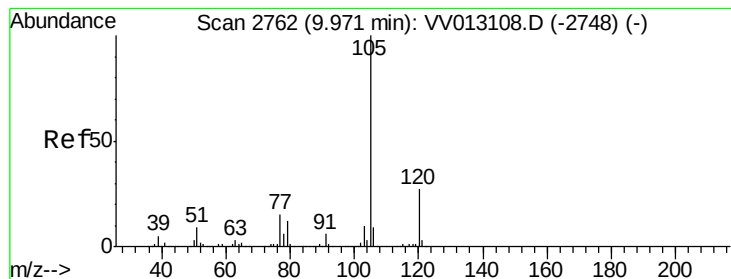
78 42.7 29.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.624 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

VICV63

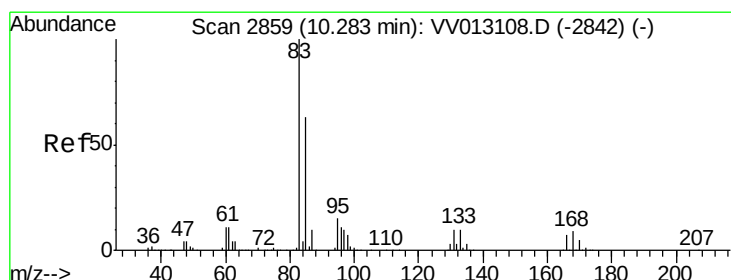
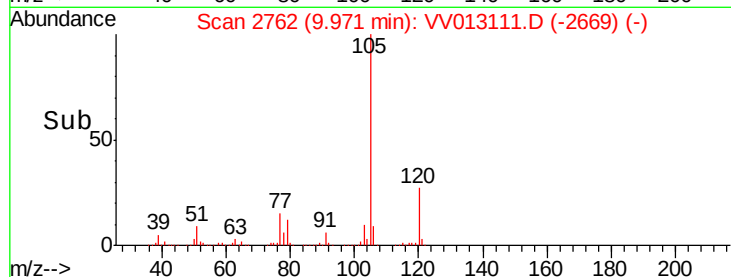
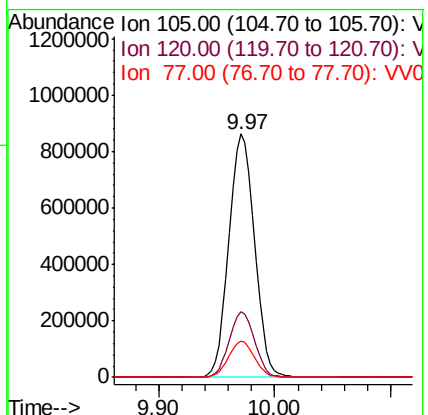
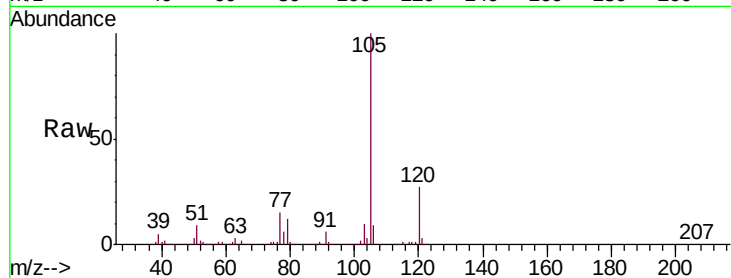
Tgt Ion:105 Resp: 1316892

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

77 14.9 12.1 18.1



#58

1,1,2,2-Tetrachloroethane

Concen: 52.271 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

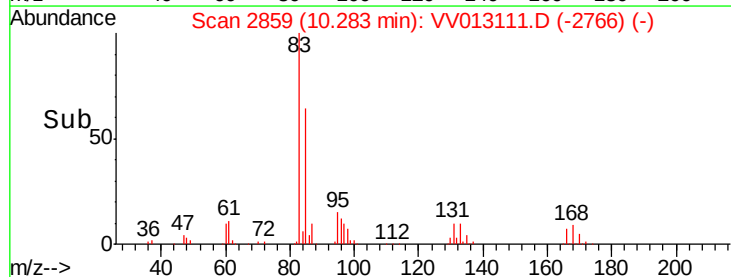
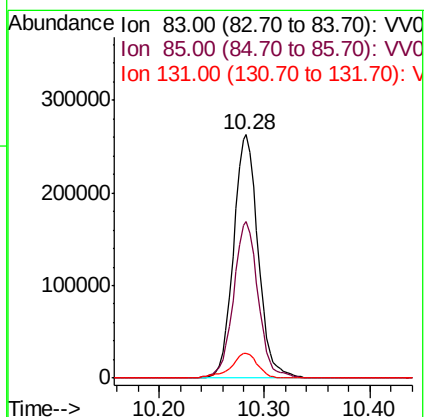
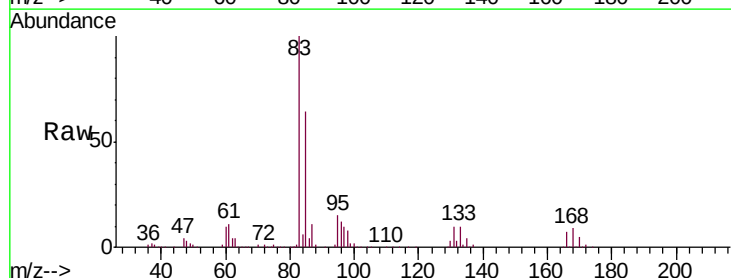
Tgt Ion: 83 Resp: 423165

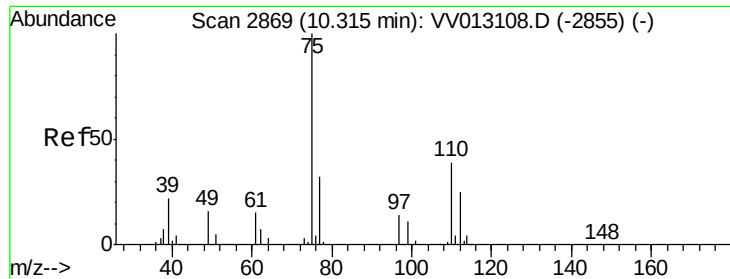
Ion Ratio Lower Upper

83 100

85 64.2 44.3 82.3

131 10.2 8.1 12.1





#59

1,2,3-Trichloropropane

Concen: 52.083 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

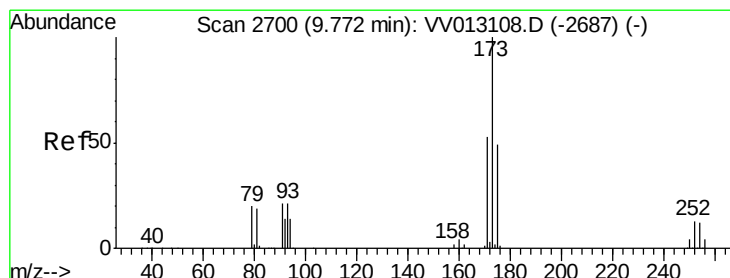
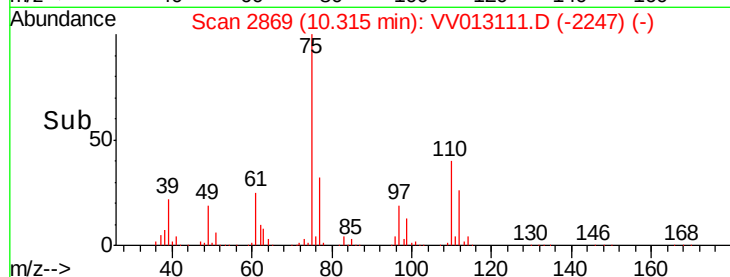
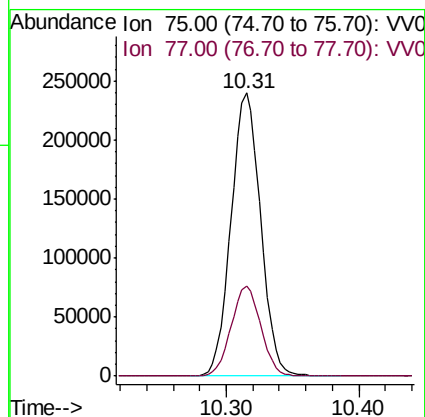
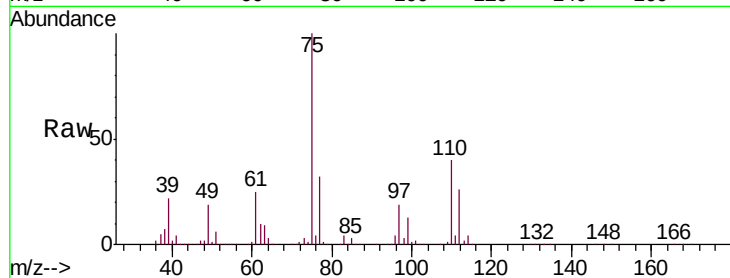
VICV63

Tgt Ion: 75 Resp: 371912

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 51.695 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

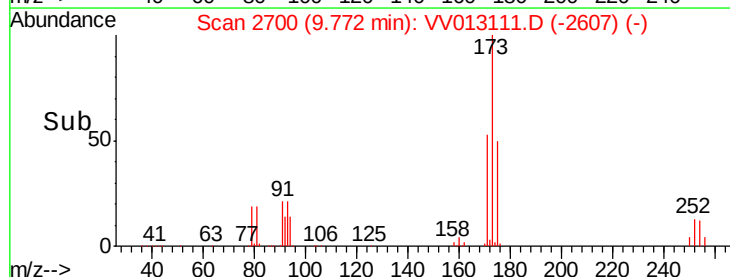
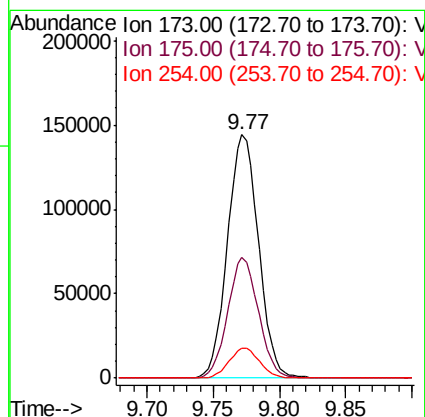
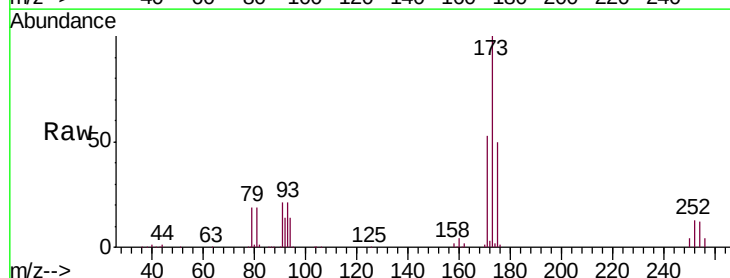
Tgt Ion: 173 Resp: 235524

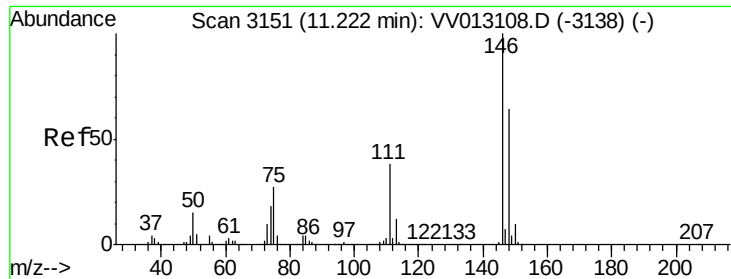
Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

254 12.0 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 52.509 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampled :

VICV63

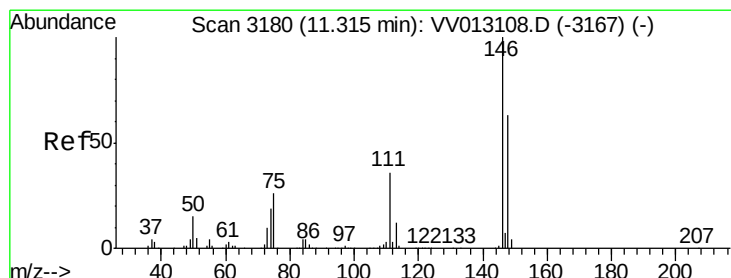
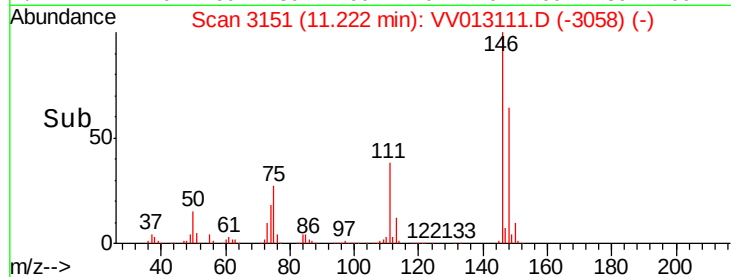
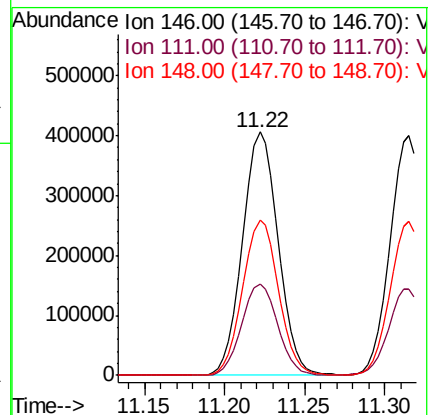
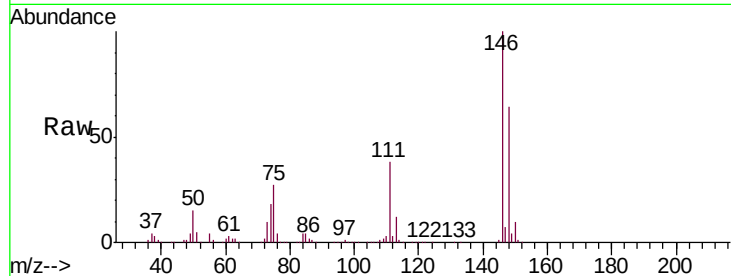
Tgt Ion:146 Resp: 614802

Ion Ratio Lower Upper

146 100

111 37.5 26.6 49.4

148 63.6 44.6 82.8



#63

1,4-Dichlorobenzene

Concen: 52.145 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

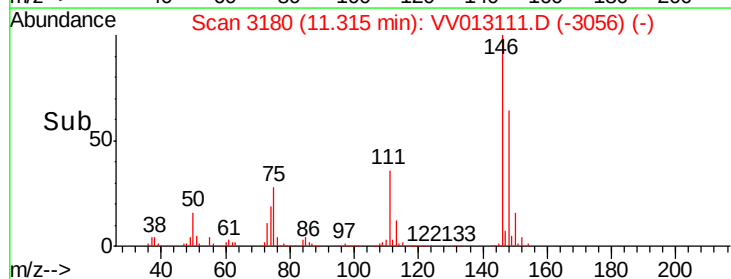
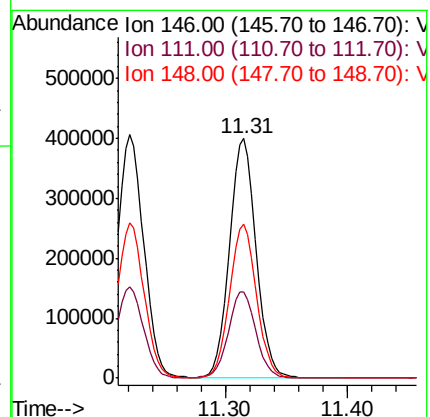
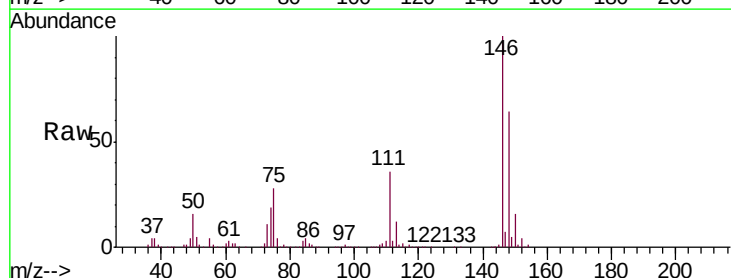
Tgt Ion:146 Resp: 613100

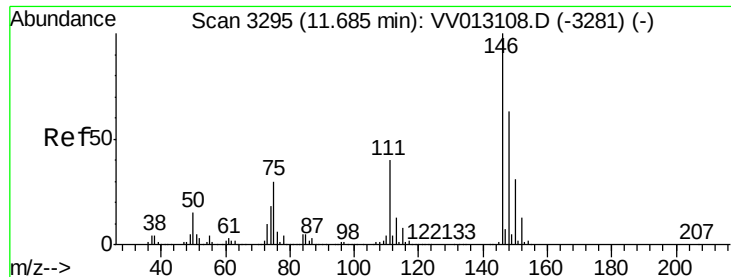
Ion Ratio Lower Upper

146 100

111 36.1 25.4 47.2

148 64.3 44.2 82.2

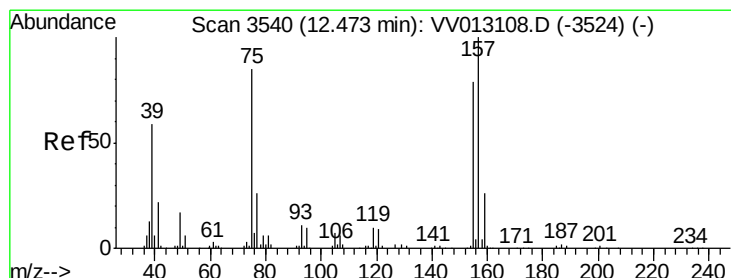
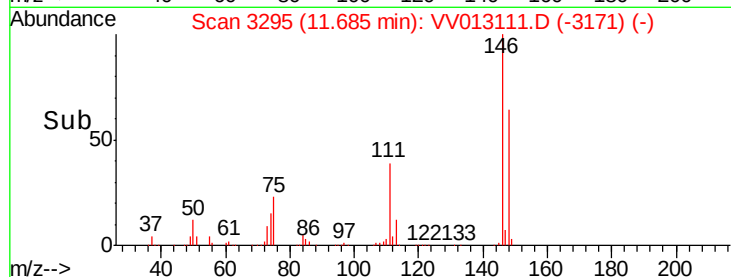
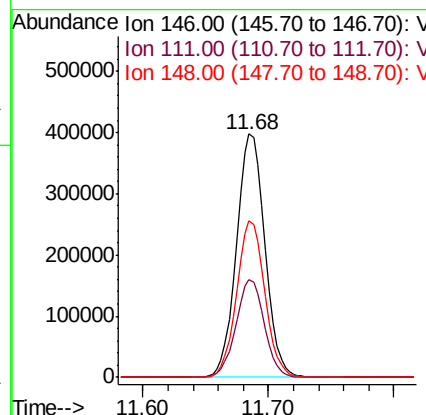
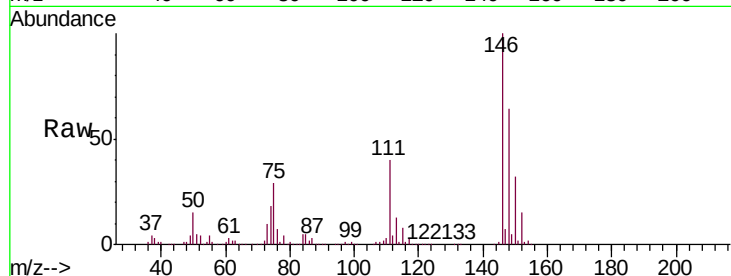




#65
 1,2-Dichlorobenzene
 Concen: 52.269 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

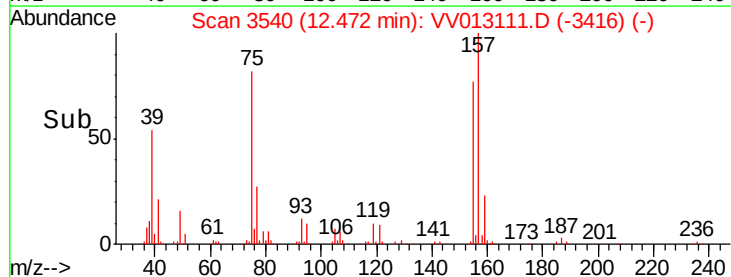
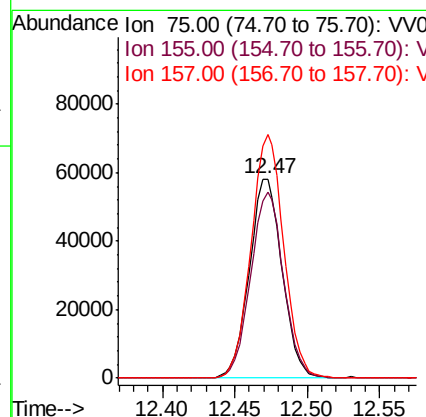
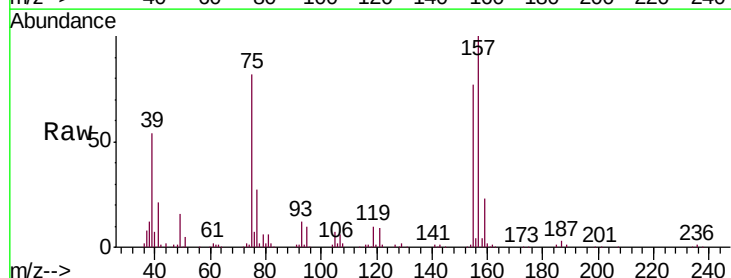
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV63

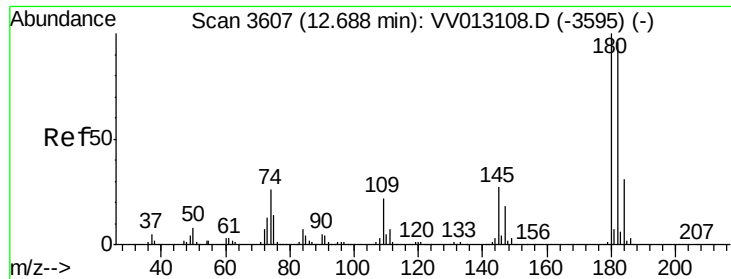
Tgt Ion: 146 Resp: 623000
 Ion Ratio Lower Upper
 146 100
 111 40.1 32.2 48.2
 148 64.1 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.947 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

Tgt Ion: 75 Resp: 91789
 Ion Ratio Lower Upper
 75 100
 155 93.6 74.6 111.8
 157 122.2 94.2 141.4

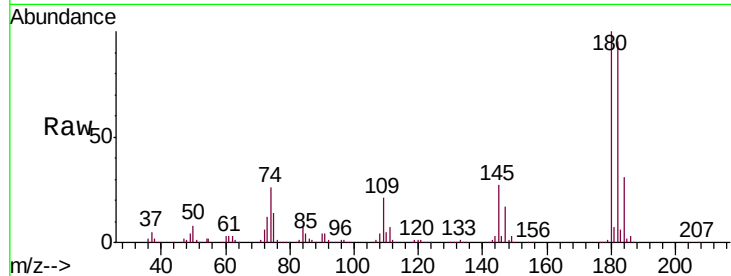




#67
 1,3,5-Trichlorobenzene
 Concen: 54.089 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV63

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.7	115.1
184	30.4	24.3	36.5
145	27.2	21.7	32.5



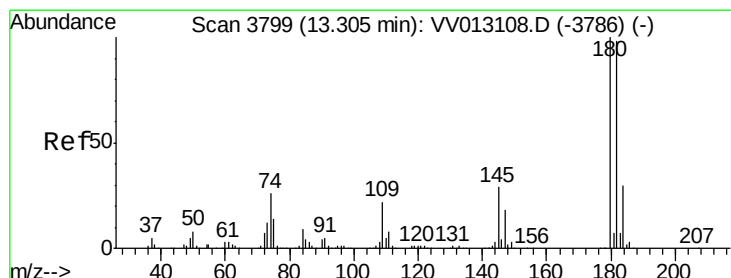
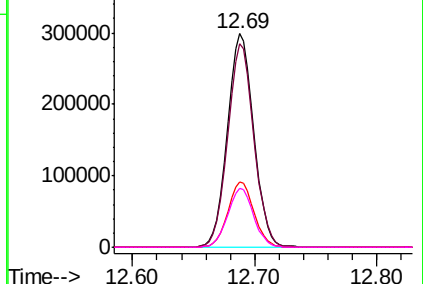
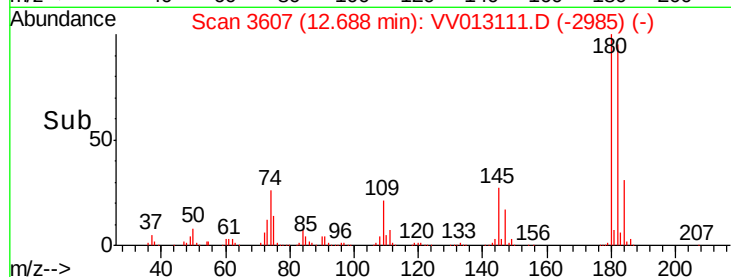
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

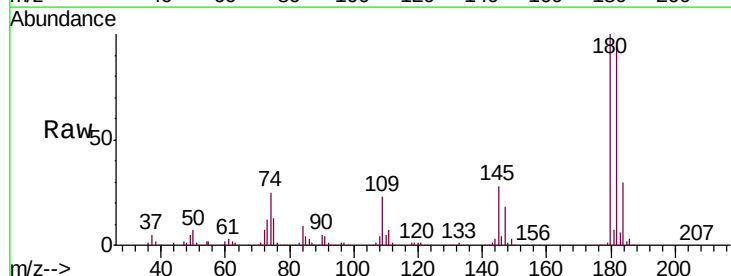
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.689 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013111.D
 Acq: 11 Oct 2019 19:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.0
145	28.2	22.7	34.1

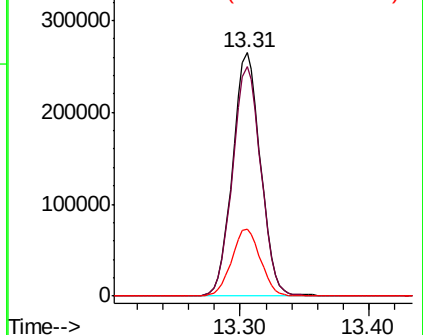
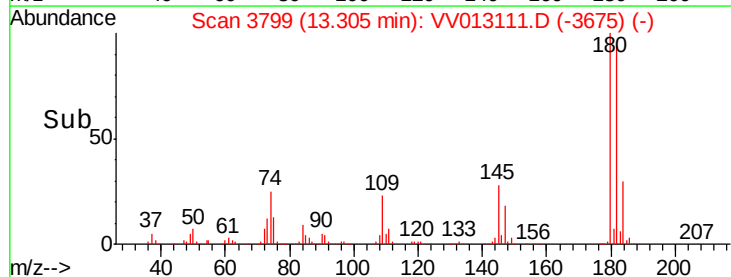


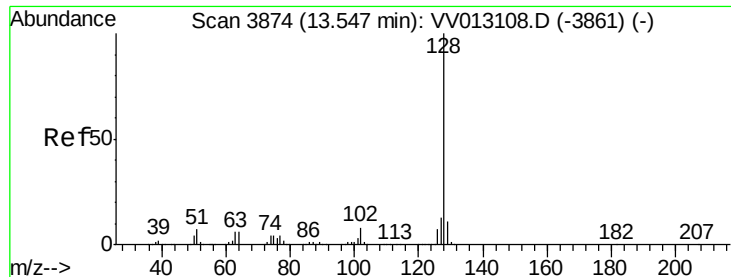
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 62.148 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

Instrument :

MSVOA_V

ClientSampleId :

VICV63

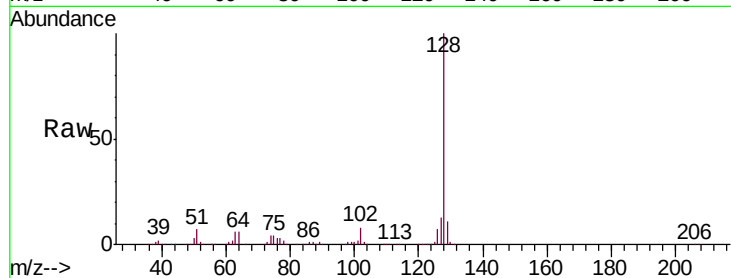
Tgt Ion:128 Resp: 1226230

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

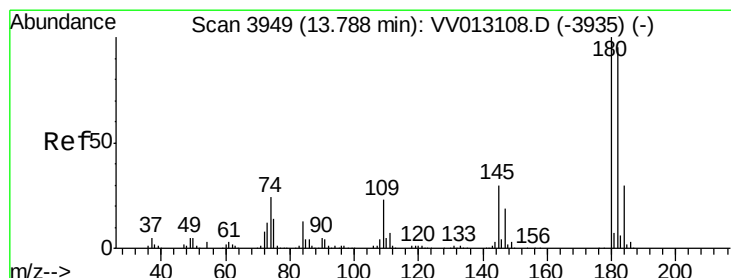
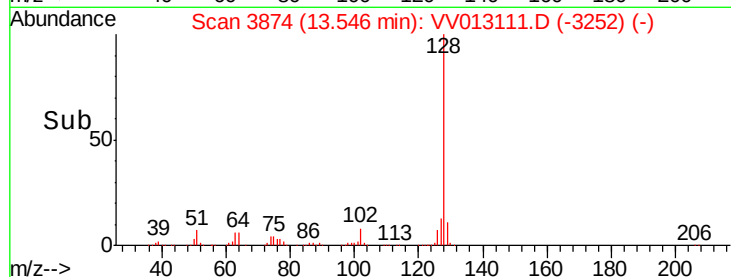
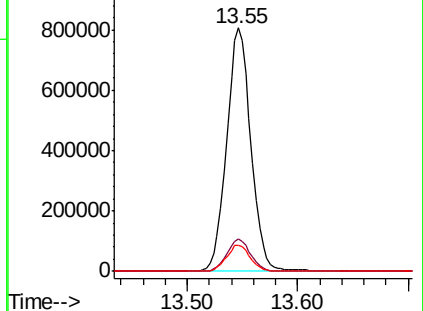
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 56.707 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013111.D

Acq: 11 Oct 2019 19:06

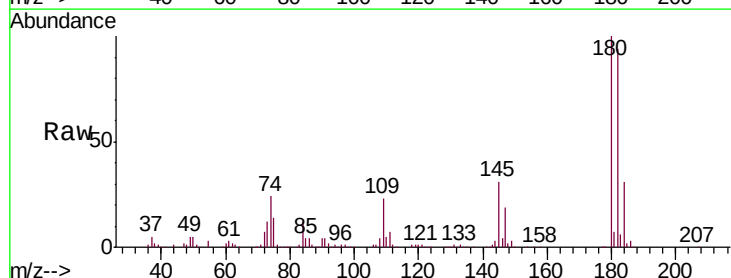
Tgt Ion:180 Resp: 434437

Ion Ratio Lower Upper

180 100

182 94.6 76.9 115.3

145 30.3 23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

