

Data File : VV013252.D
Acq On : 21 Oct 2019 18:57
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV36

Quant Time: Oct 22 02:55:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 02:50:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	571266	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	605308	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	385829	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	195707	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.58	69	159437	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.13	63	332587	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	3.94	46	350212	43.30	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.60%
24) Chloroform-d	4.40	84	424973	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.08	65	193214	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
32) Benzene-d6	5.10	84	860933	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.12	67	250983	4.26	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.20%
41) Toluene-d8	7.36	98	813439	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.66	79	93437	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.13	63	328855	41.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	187541	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	307702	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	264855	4.194	ug/L	99
3) Chloromethane	1.25	50	257323	4.695	ug/L	98
5) Vinyl chloride	1.32	62	255518	4.635	ug/L	99
6) Bromomethane	1.54	94	141714	4.563	ug/L	98
8) Chloroethane	1.60	64	146827	4.469	ug/L	99
9) Trichlorofluoromethane	1.77	101	349670	4.383	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	202469	4.295	ug/L	100
12) 1,1-Dichloroethene	2.14	96	194862	4.339	ug/L	97
13) Acetone	2.20	43	156315	37.379	ug/L #	48
14) Carbon disulfide	2.32	76	560932	4.350	ug/L	99
15) Methyl Acetate	2.46	43	63052	4.458	ug/L	98
16) Methylene chloride	2.53	84	252977	3.748	ug/L	93
17) Methyl tert-butyl Ether	2.80	73	486058	4.673	ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	248664	4.696	ug/L	89
19) 1,1-Dichloroethane	3.23	63	450255	5.232	ug/L	96
21) 2-Butanone	4.03	43	437770	46.763	ug/L	86
22) cis-1,2-Dichloroethene	3.96	96	257934	4.551	ug/L #	87

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 02:50:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	114028	4.240	ug/L	99
25) Chloroform	4.42	83	453693	4.044	ug/L	99
27) 1,2-Dichloroethane	5.18	62	257965	4.305	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	378584	4.231	ug/L	100
30) Cyclohexane	4.72	56	386525	4.162	ug/L	98
31) Carbon tetrachloride	4.87	117	341153	4.250	ug/L	100
33) Benzene	5.14	78	1005439	4.350	ug/L	100
34) Trichloroethene	5.96	95	263175	4.243	ug/L	98
35) Methylcyclohexane	6.17	83	401716	4.210	ug/L	99
37) 1,2-Dichloropropane	6.22	63	248242	4.421	ug/L	98
38) Bromodichloromethane	6.55	83	306163	4.213	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	326528	4.129	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1200057	41.813	ug/L	98
42) Toluene	7.43	91	1084462	4.468	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	253574	4.233	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	164627	4.201	ug/L	96
47) Tetrachloroethene	8.02	164	234779	4.168	ug/L	98
48) 2-Hexanone	8.18	43	868695	42.399	ug/L	96
49) Dibromochloromethane	8.29	129	207429	4.202	ug/L	100
50) 1,2-Dibromoethane	8.39	107	155275	4.158	ug/L	100
51) Chlorobenzene	8.92	112	672271	4.231	ug/L	98
52) Ethylbenzene	9.05	91	1116436	4.412	ug/L	98
53) m,p-xylene	9.18	106	439445	4.537	ug/L	99
54) o-xylene	9.59	106	412013	4.480	ug/L	100
55) Styrene	9.60	104	734196	4.698	ug/L	100
56) Isopropylbenzene	9.97	105	1103782	4.551	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	192208	4.266	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	145153	4.335	ug/L	96
61) Bromoform	9.77	173	120854	4.109	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	576419	4.242	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	573883	4.172	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	526753	4.209	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	30199	4.250	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	401010	3.992	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	346645	3.944	ug/L	100
69) Naphthalene	13.55	128	471567	3.890	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	339565	4.160	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VICV36

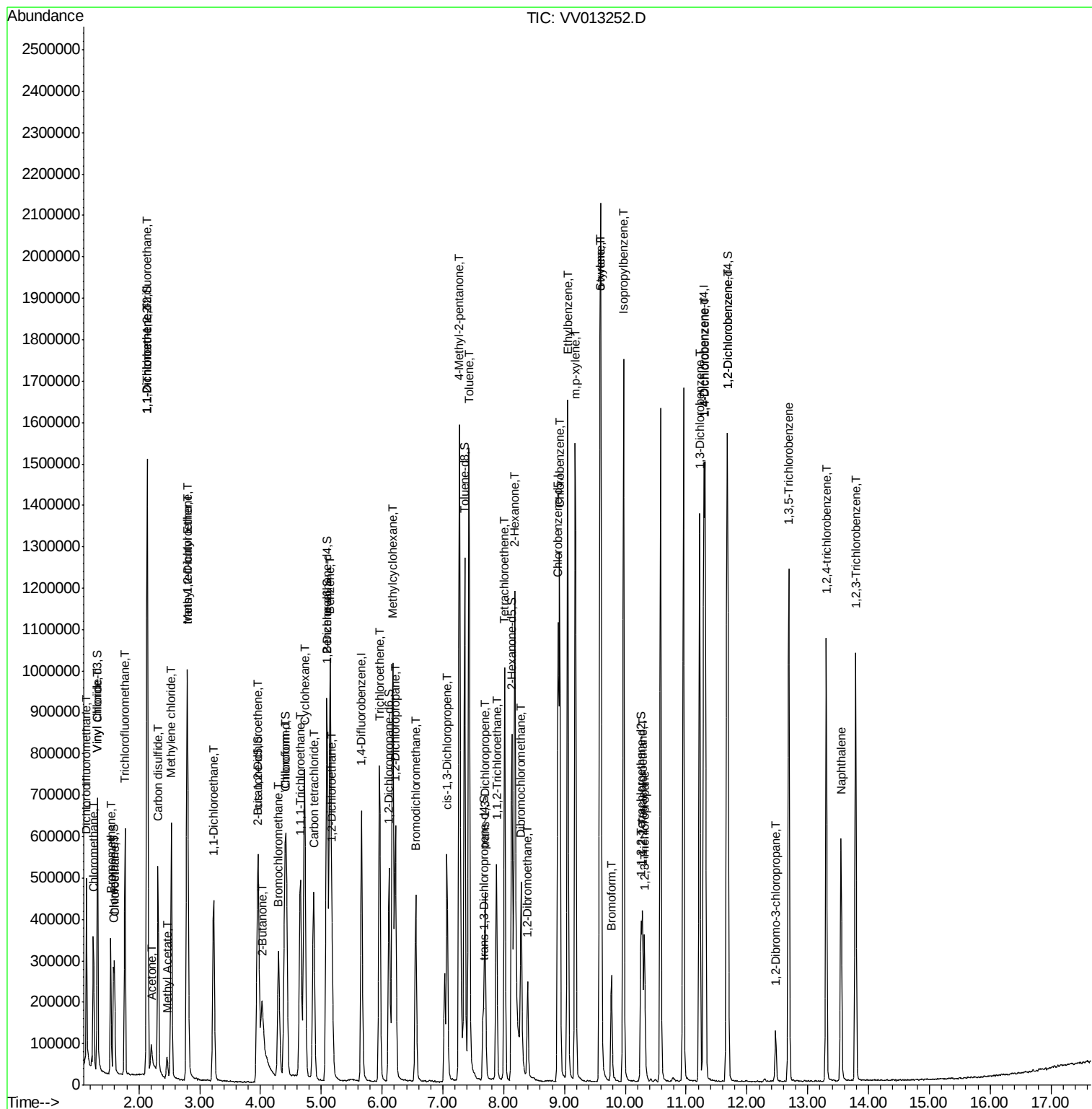
Quant Time: Oct 22 02:55:31 2019

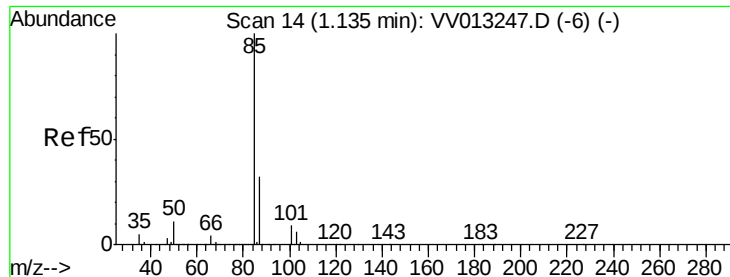
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR102119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Oct 22 02:50:14 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.194 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

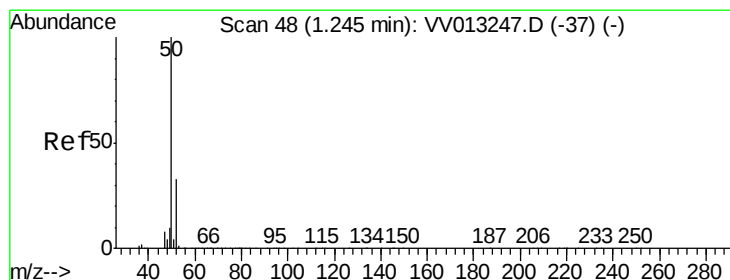
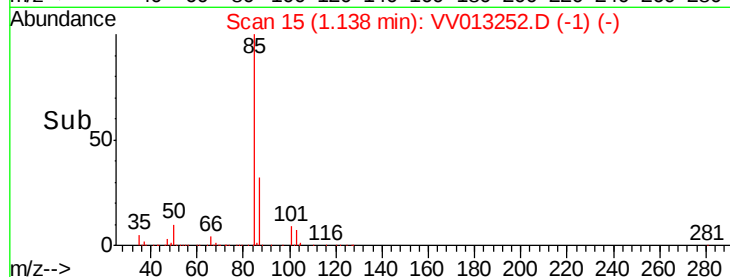
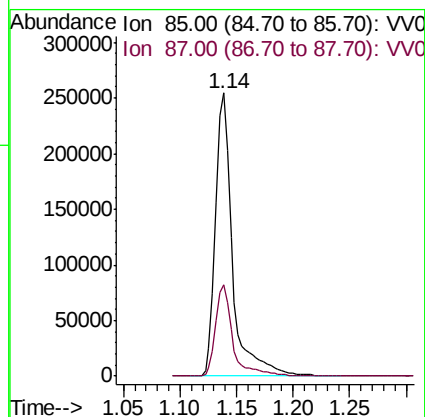
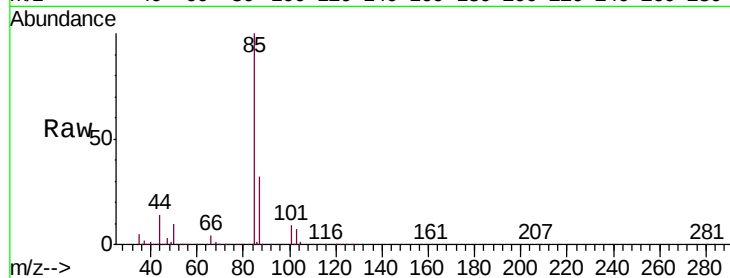
VICV36

Tgt Ion: 85 Resp: 264855

Ion Ratio Lower Upper

85 100

87 32.6 25.4 38.2



#3

Chloromethane

Concen: 4.695 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.01 min

Lab File: VV013252.D

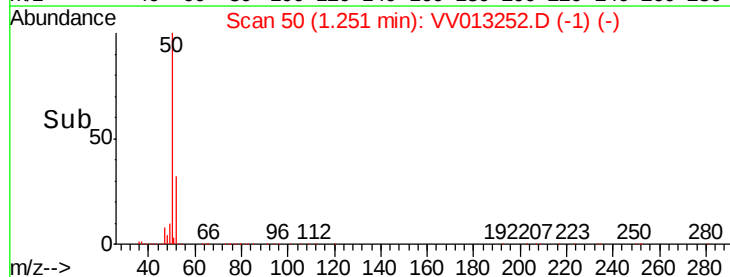
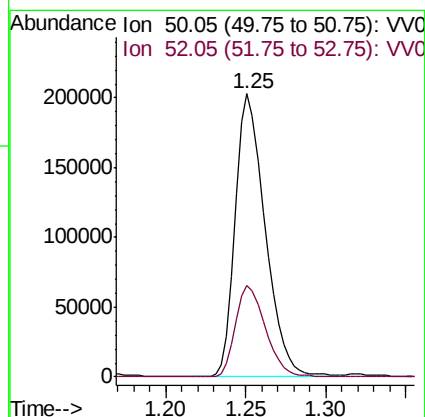
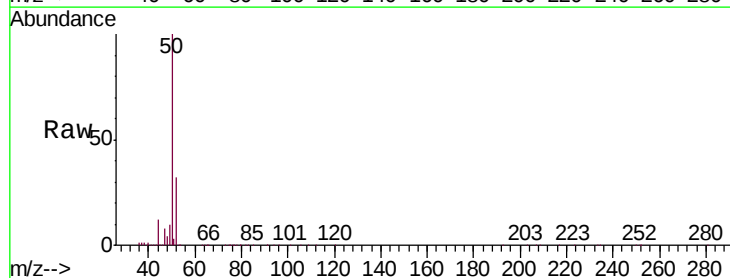
Acq: 21 Oct 2019 18:57

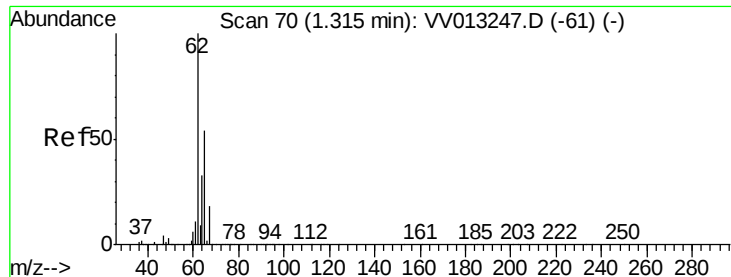
Tgt Ion: 50 Resp: 257323

Ion Ratio Lower Upper

50 100

52 32.4 23.3 43.3





#5

Vinyl chloride

Concen: 4.635 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.01 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampled :

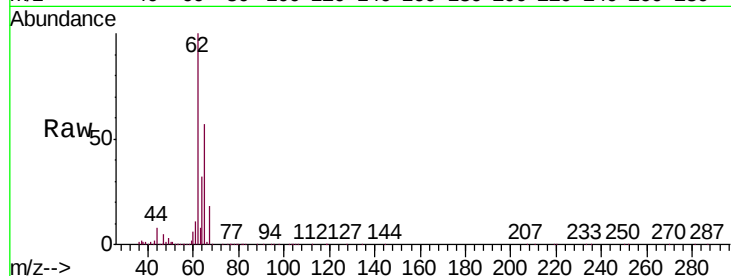
VICV36

Tgt Ion: 62 Resp: 255518

Ion Ratio Lower Upper

62 100

64 31.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

250000

200000

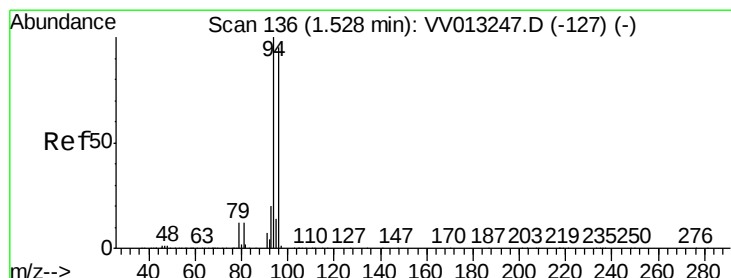
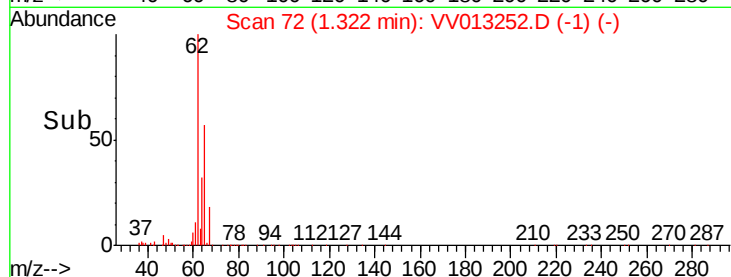
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.563 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.01 min

Lab File: VV013252.D

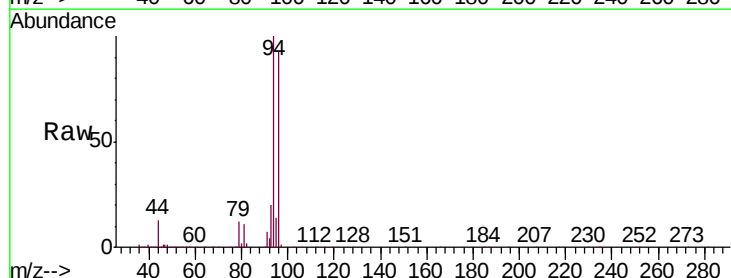
Acq: 21 Oct 2019 18:57

Tgt Ion: 94 Resp: 141714

Ion Ratio Lower Upper

94 100

96 92.9 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

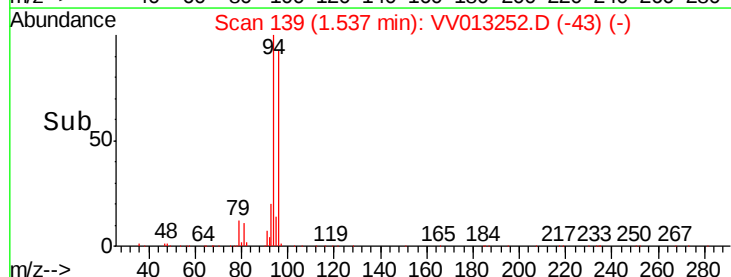
1.54

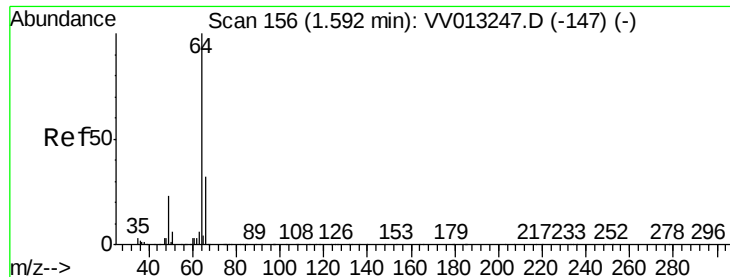
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50000

0

Time-->





#8

Chloroethane

Concen: 4.469 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.01 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

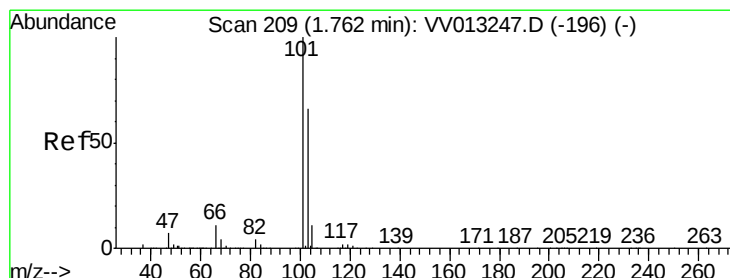
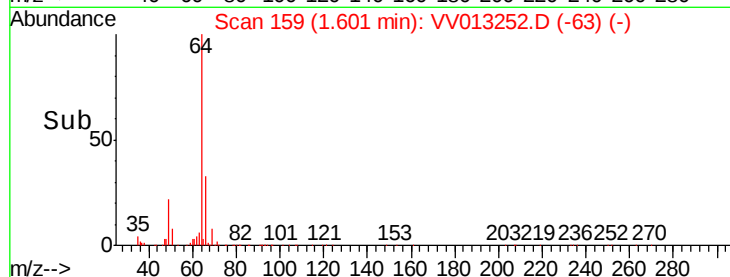
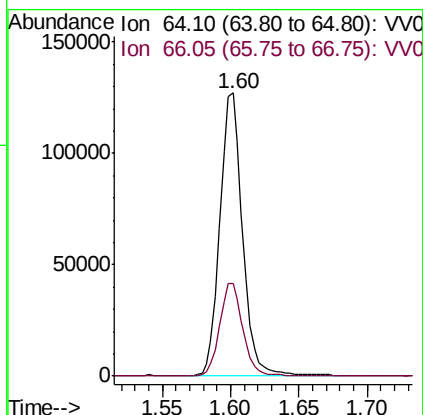
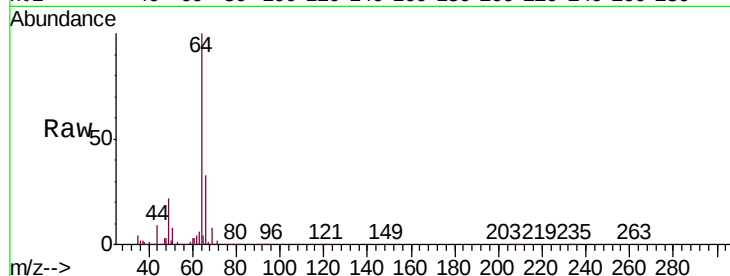
VICV36

Tgt Ion: 64 Resp: 146827

Ion Ratio Lower Upper

64 100

66 32.9 22.7 42.3



#9

Trichlorofluoromethane

Concen: 4.383 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.01 min

Lab File: VV013252.D

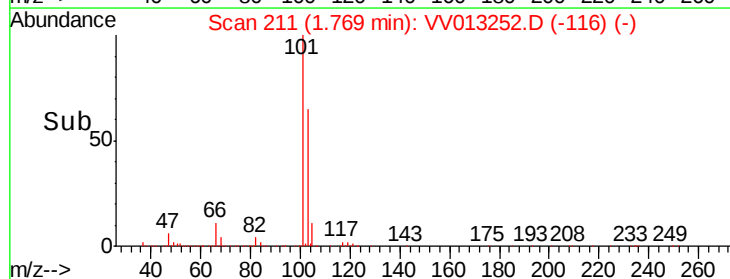
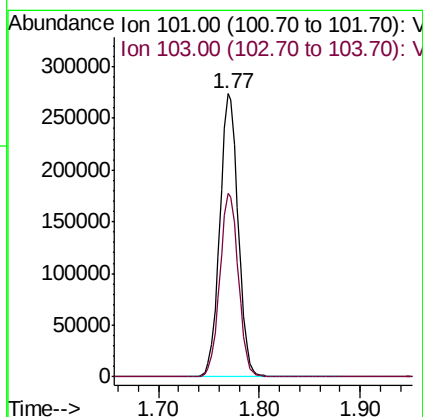
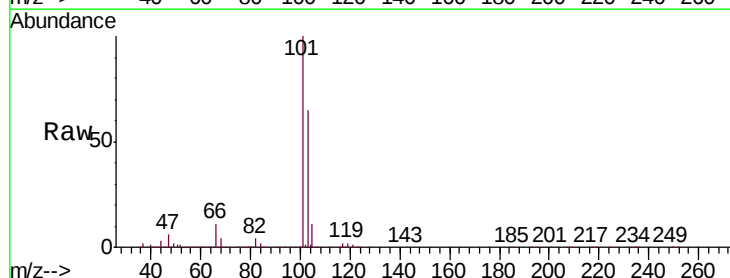
Acq: 21 Oct 2019 18:57

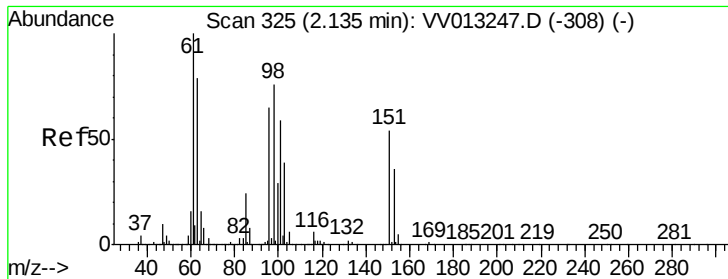
Tgt Ion: 101 Resp: 349670

Ion Ratio Lower Upper

101 100

103 65.5 52.8 79.2





#10

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

Concen: 4.295 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

VICV36

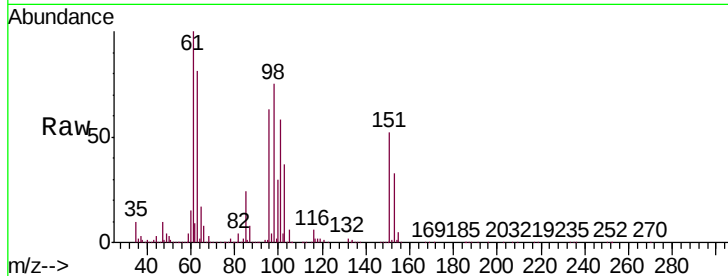
Tgt Ion: 101 Resp: 202469

Ion Ratio Lower Upper

101 100

85 40.4 31.8 47.8

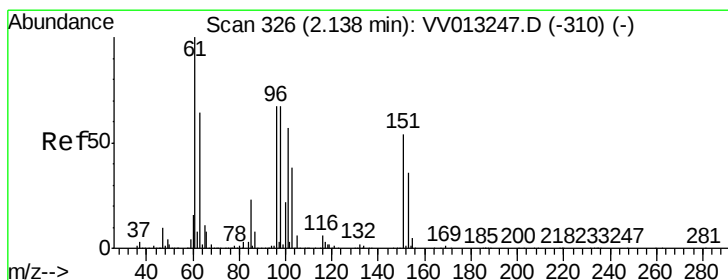
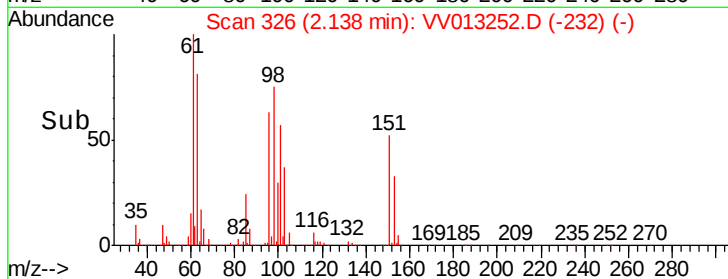
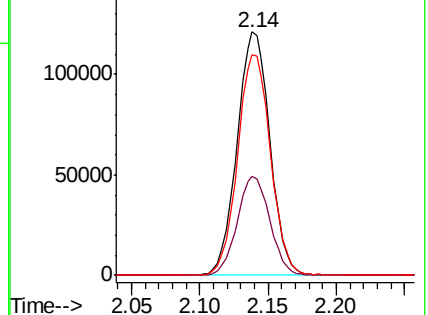
151 91.0 72.9 109.3



Abundance Ion 101.00 (100.70 to 101.70): VV013252.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV013252.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013252.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 4.339 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

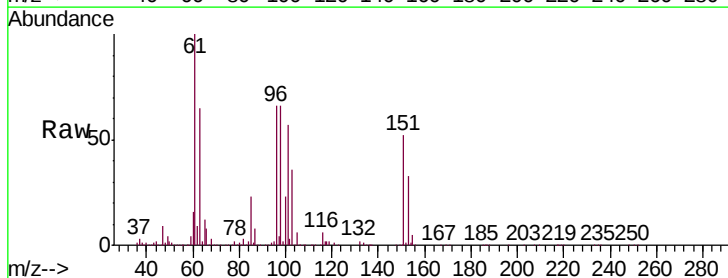
Tgt Ion: 96 Resp: 194862

Ion Ratio Lower Upper

96 100

61 151.8 104.0 193.1

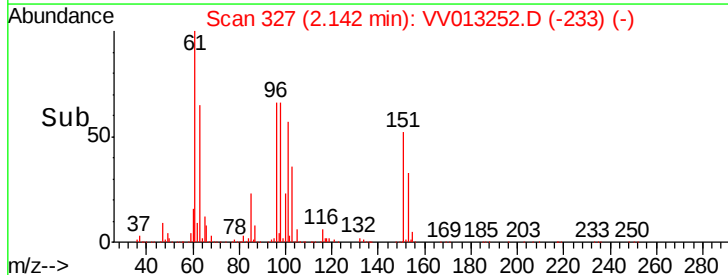
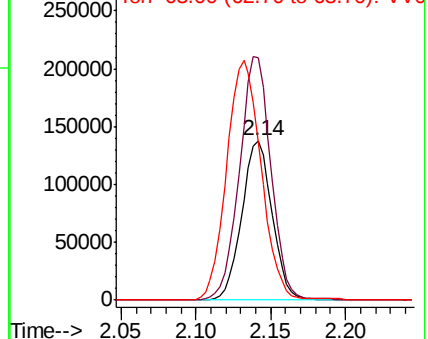
63 98.6 67.1 124.5

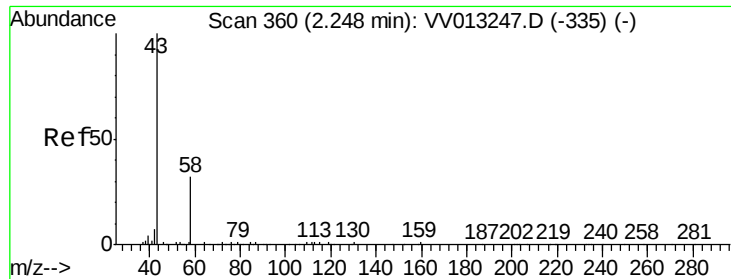


Abundance Ion 96.00 (95.70 to 96.70): VV013252.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV013252.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013252.D (-233) (-)





#13

Acetone

Concen: 37.379 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.05 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

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ClientSampleId :

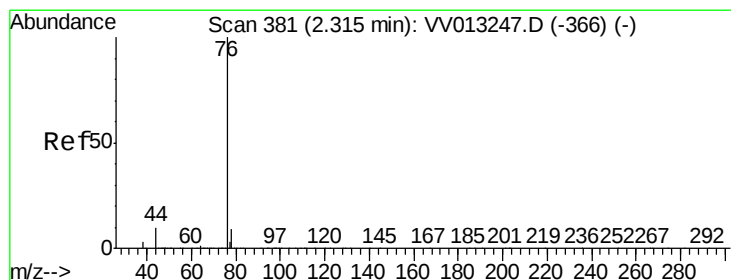
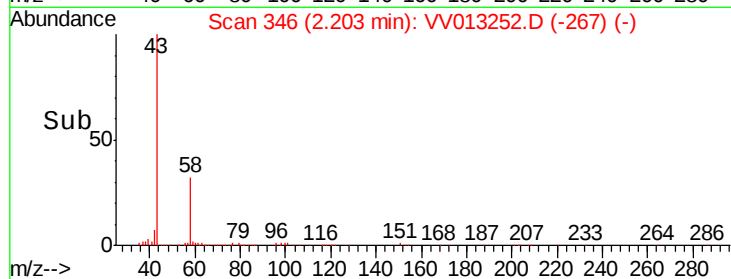
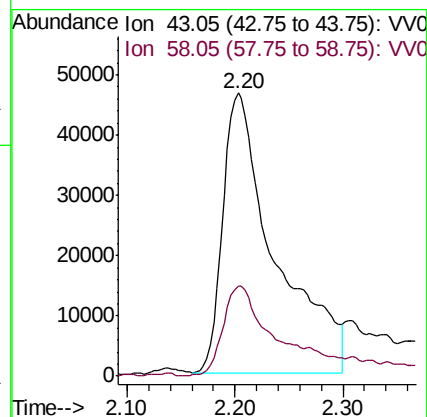
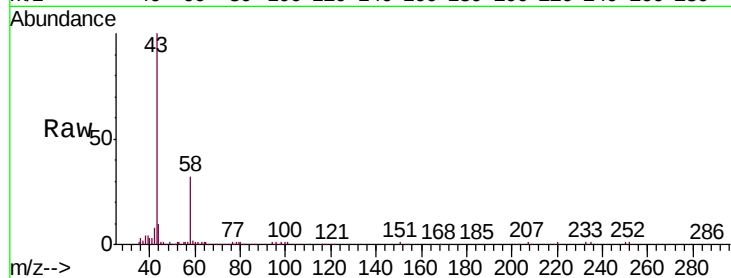
VICV36

Tgt Ion: 43 Resp: 156315

Ion Ratio Lower Upper

43 100

58 33.9 0.0 26.2#



#14

Carbon disulfide

Concen: 4.350 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV013252.D

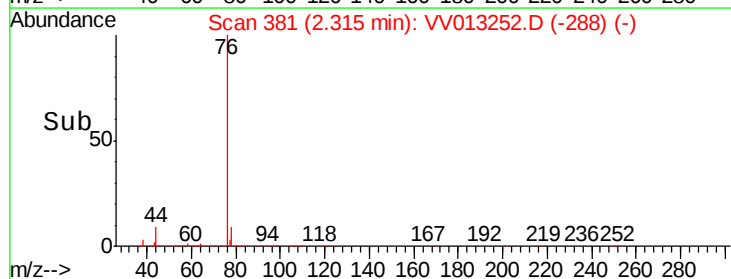
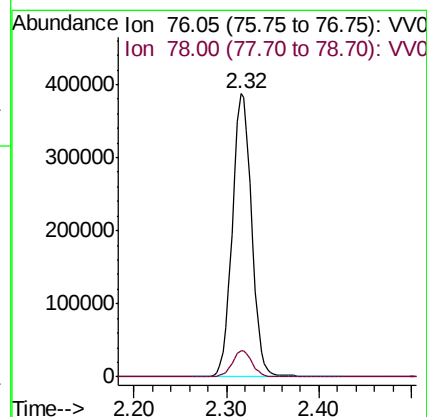
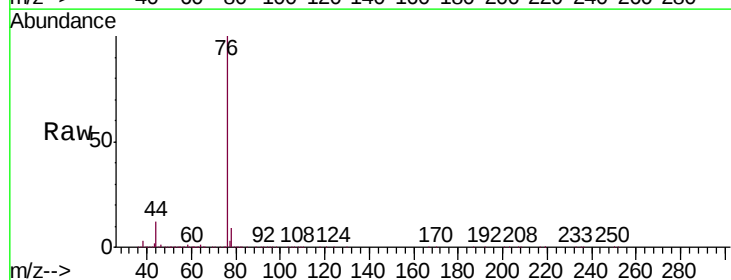
Acq: 21 Oct 2019 18:57

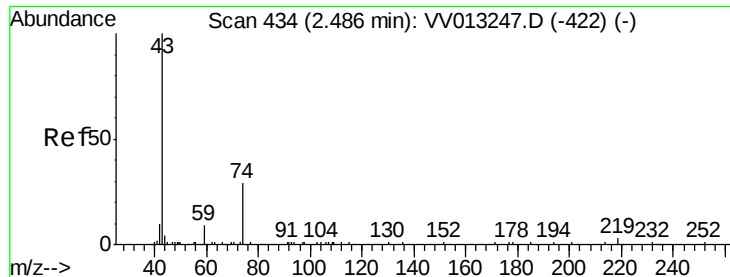
Tgt Ion: 76 Resp: 560932

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

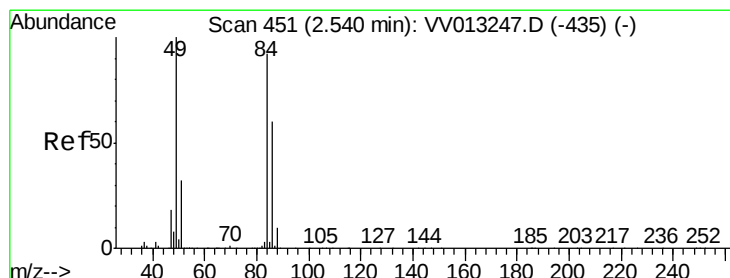
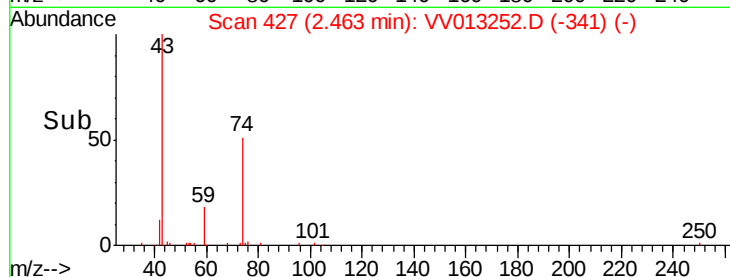
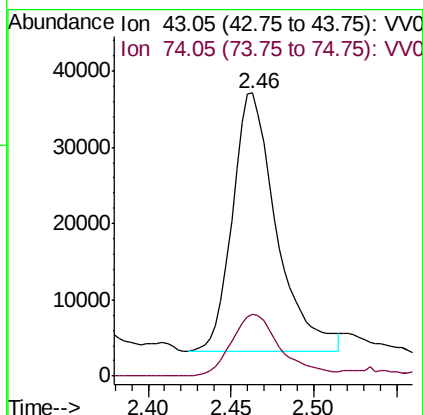
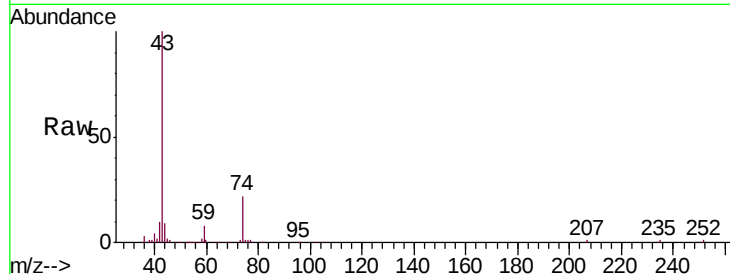




#15
Methyl Acetate
Concen: 4.458 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.02 min
Lab File: VV013252.D
Acq: 21 Oct 2019 18:57

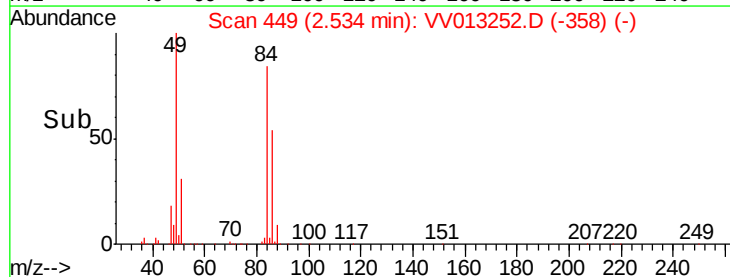
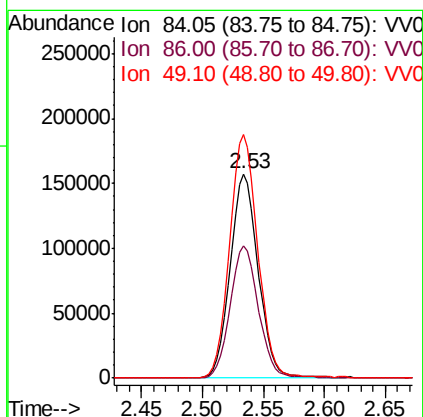
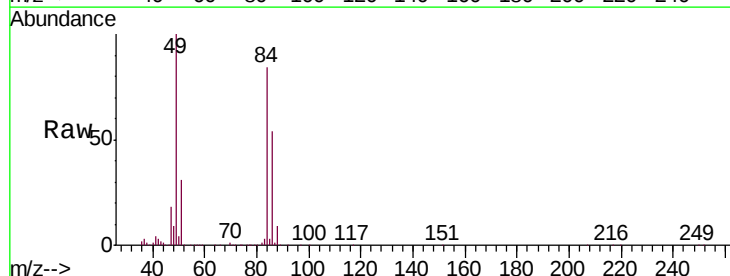
Instrument :
MSVOA_V
ClientSampleId :
VICV36

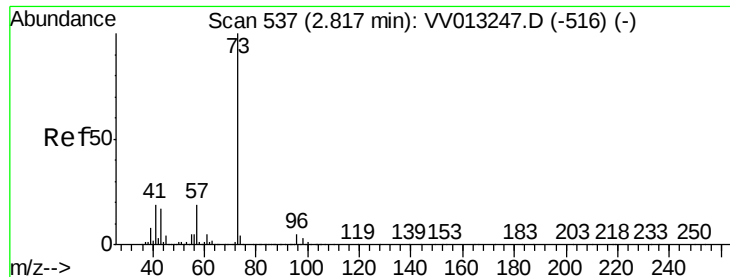
Tgt Ion: 43 Resp: 63052
Ion Ratio Lower Upper
43 100
74 26.7 20.4 30.6



#16
Methylene chloride
Concen: 3.748 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.01 min
Lab File: VV013252.D
Acq: 21 Oct 2019 18:57

Tgt Ion: 84 Resp: 252977
Ion Ratio Lower Upper
84 100
86 64.6 46.2 85.8
49 119.0 76.4 141.8

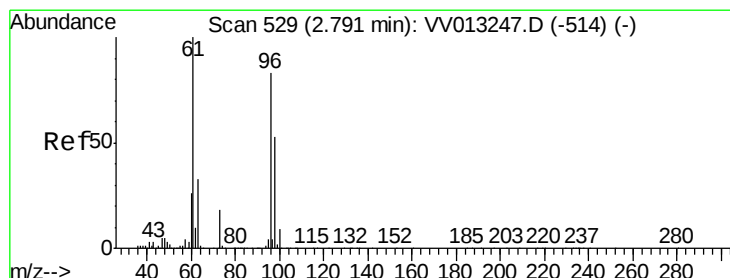
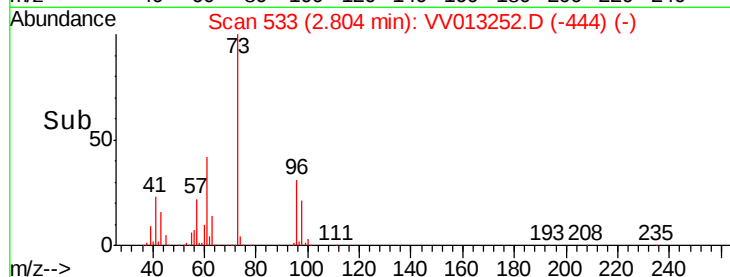
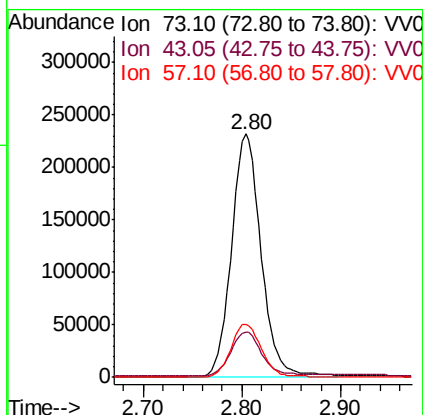
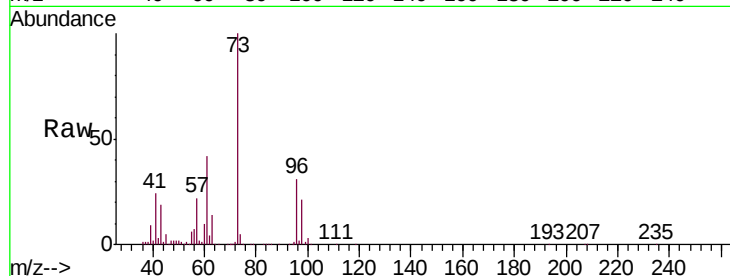




#17
Methyl tert-butyl Ether
Concen: 4.673 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.01 min
Lab File: VV013252.D
Acq: 21 Oct 2019 18:57

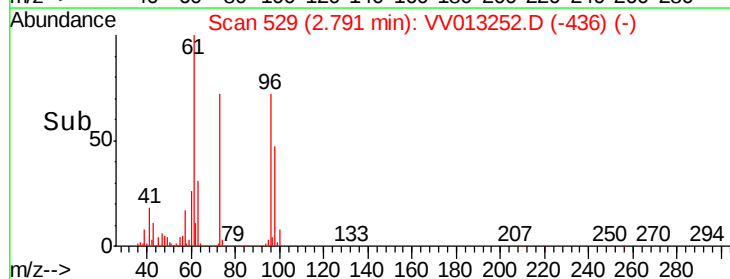
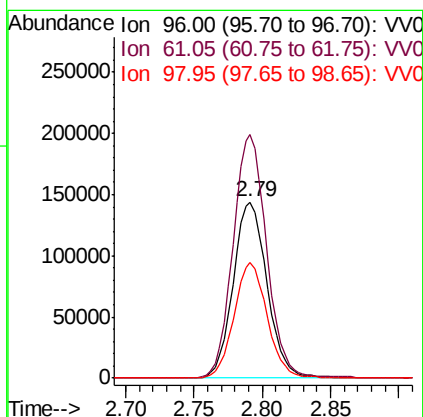
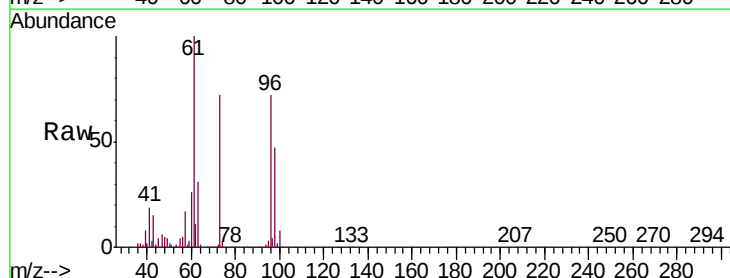
Instrument :
MSVOA_V
ClientSampleId :
VICV36

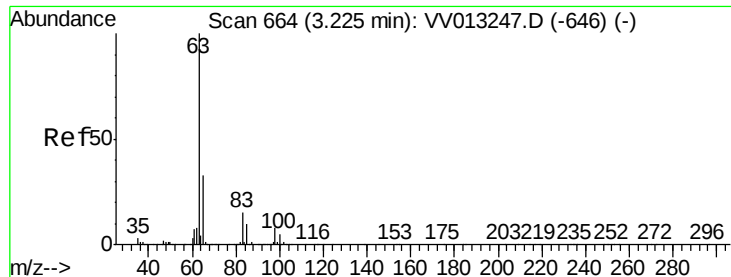
Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.9	13.1	19.7
57	22.9	16.4	24.6



#18
trans-1,2-Dichloroethene
Concen: 4.696 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV013252.D
Acq: 21 Oct 2019 18:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.3	84.4	156.8
98	65.3	44.4	82.4

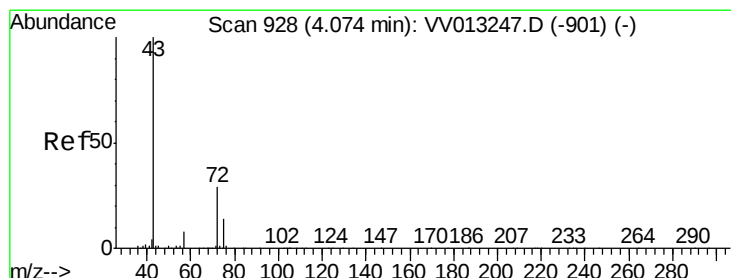
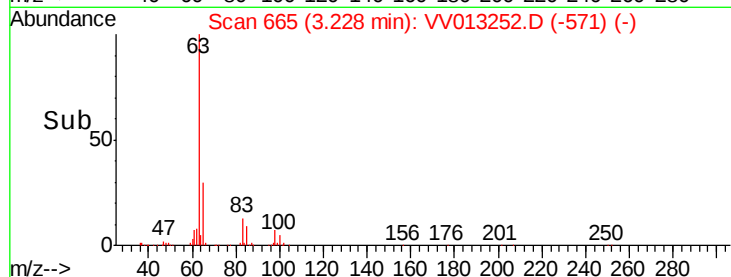
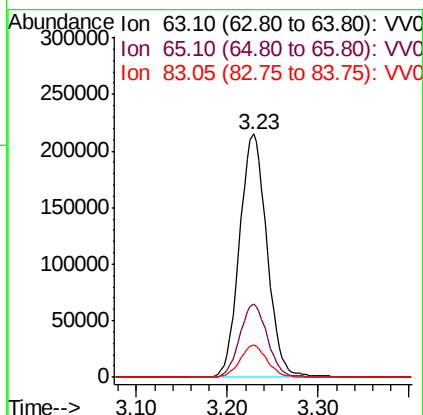
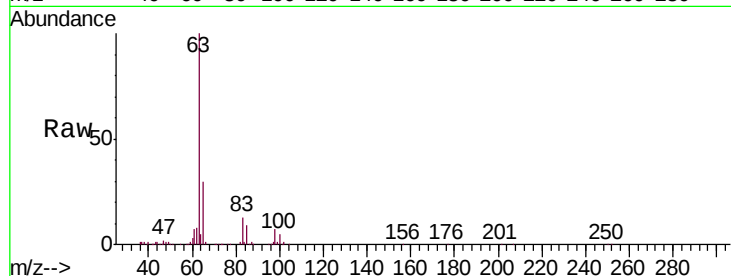




#19
 1,1-Dichloroethane
 Concen: 5.232 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013252.D
 Acq: 21 Oct 2019 18:57

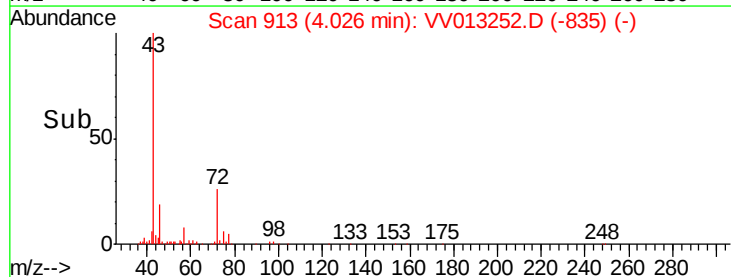
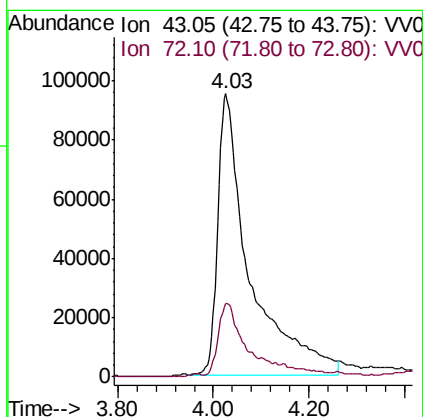
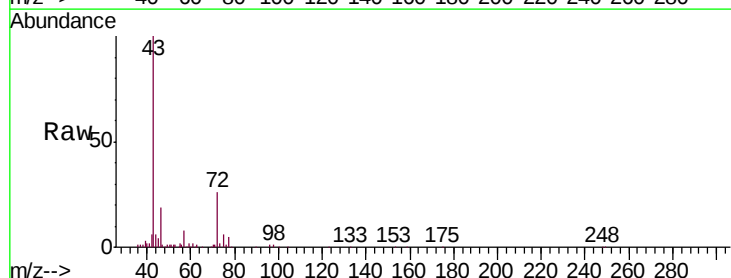
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

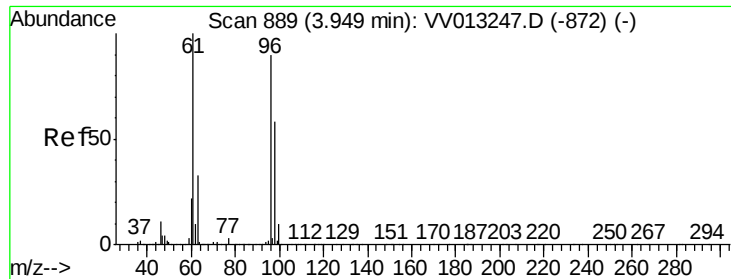
Tgt Ion:	63	Resp:	450255
Ion	Ratio	Lower	Upper
63	100		
65	30.1	23.0	42.8
83	13.3	10.2	19.0



#21
 2-Butanone
 Concen: 46.763 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.05 min
 Lab File: VV013252.D
 Acq: 21 Oct 2019 18:57

Tgt Ion:	43	Resp:	437770
Ion	Ratio	Lower	Upper
43	100		
72	18.8	13.1	39.3



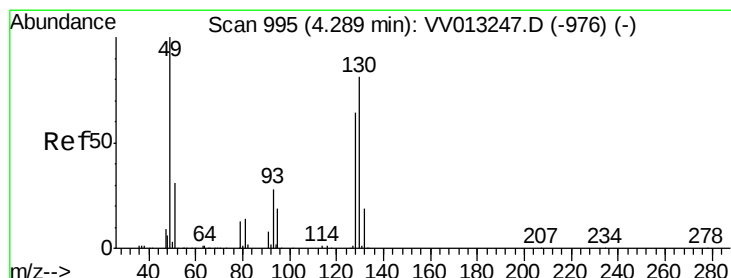
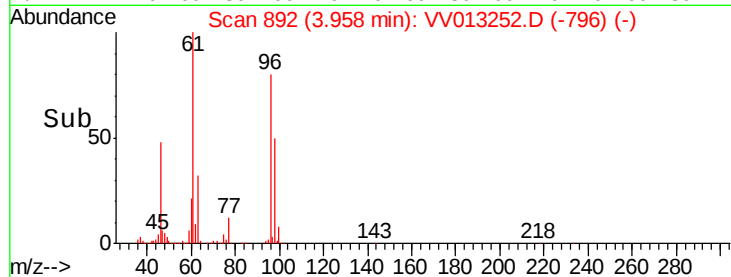
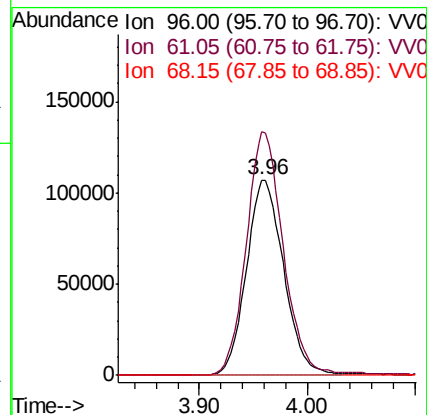
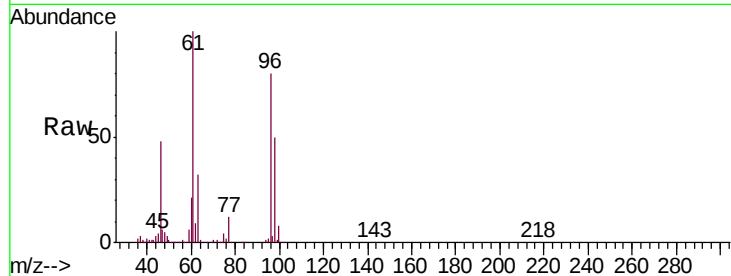


#22

cis-1,2-Dichloroethene
Concen: 4.551 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.01 min
Lab File: VV013252.D
Acq: 21 Oct 2019 18:57

Instrument :
MSVOA_V
ClientSampleId :
VICV36

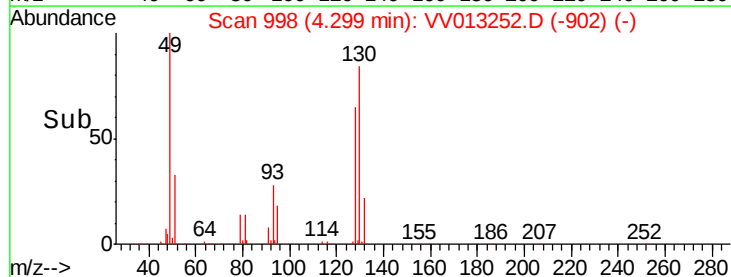
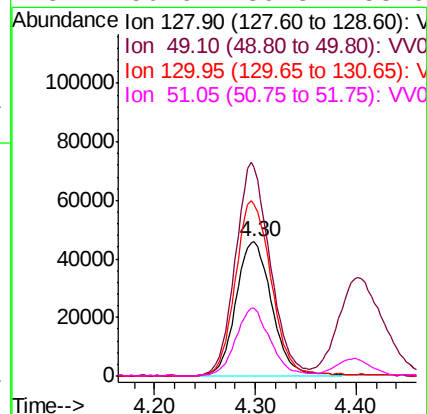
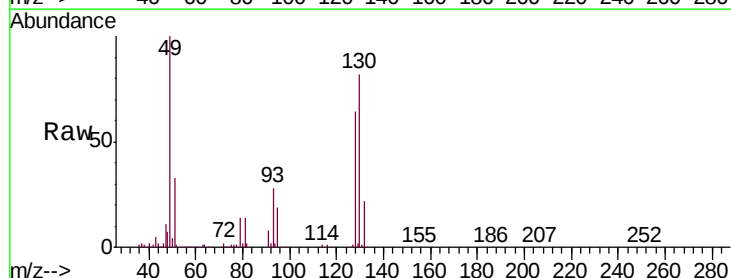
Tgt Ion: 96 Resp: 257934
Ion Ratio Lower Upper
96 100
61 124.6 77.3 143.7
68 0.0 0.1 0.1#

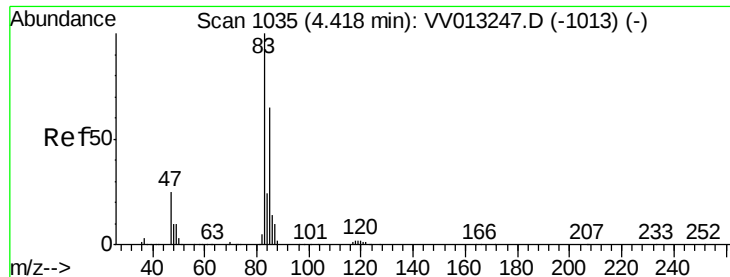


#23

Bromochloromethane
Concen: 4.240 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.01 min
Lab File: VV013252.D
Acq: 21 Oct 2019 18:57

Tgt Ion: 128 Resp: 114028
Ion Ratio Lower Upper
128 100
49 155.4 109.9 204.1
130 128.2 88.7 164.7
51 50.6 39.3 58.9





#25

Chloroform

Concen: 4.044 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

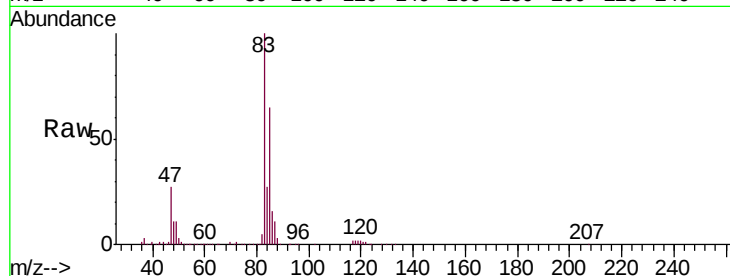
VICV36

Tgt Ion: 83 Resp: 453693

Ion Ratio Lower Upper

83 100

85 64.6 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV013247.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VV013247.D (-1013) (-)

4.42

200000

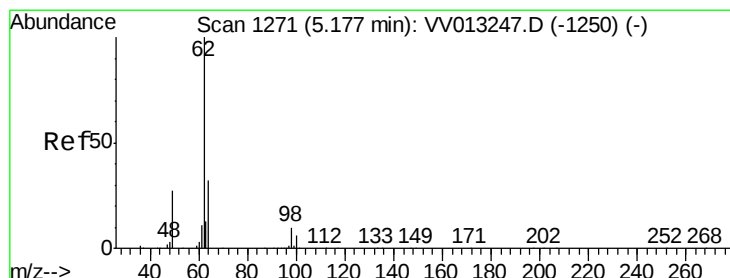
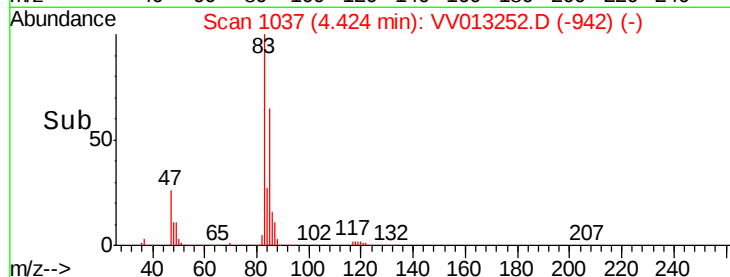
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 4.305 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV013252.D

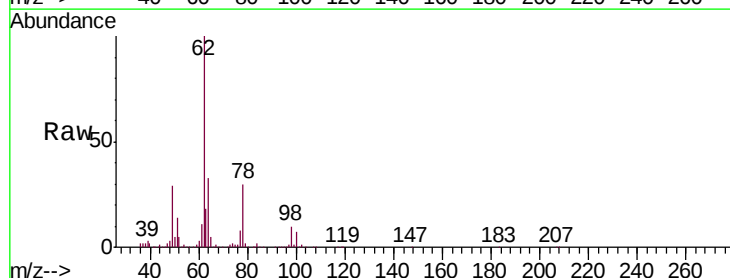
Acq: 21 Oct 2019 18:57

Tgt Ion: 62 Resp: 257965

Ion Ratio Lower Upper

62 100

98 10.4 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VV013247.D (-1250) (-)

Ion 98.05 (97.75 to 98.75): VV013247.D (-1250) (-)

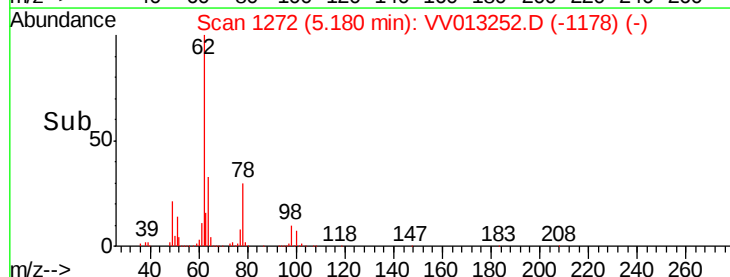
5.18

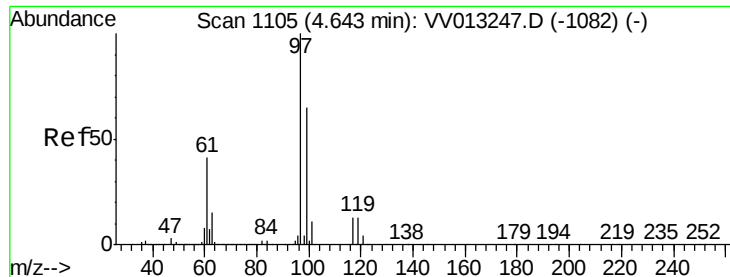
100000

50000

0

Time-->

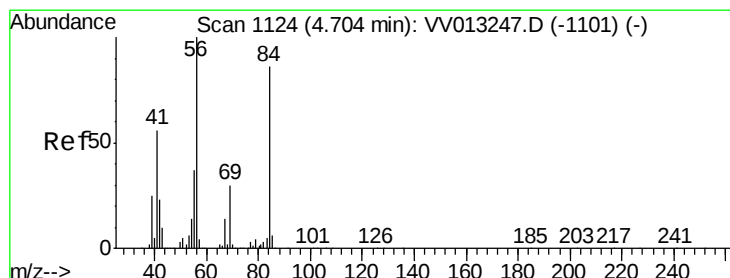
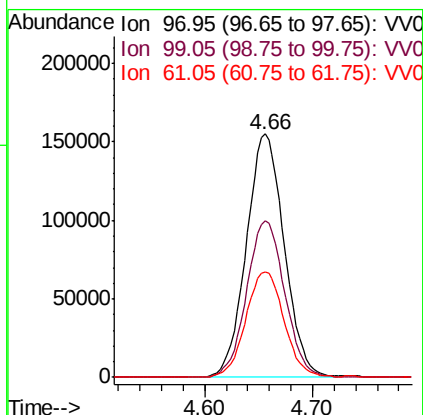
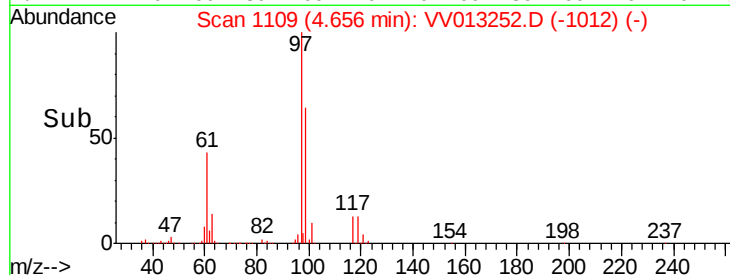
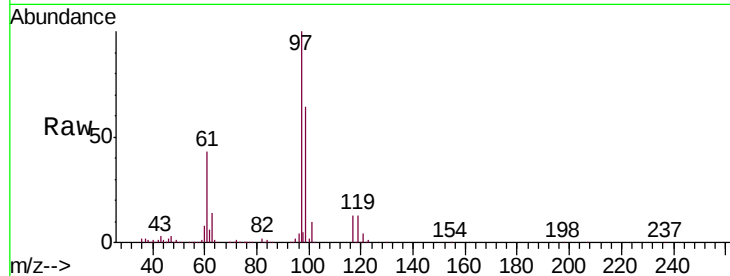




#29
1,1,1-Trichloroethane
Concen: 4.231 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VV013252.D
Acq: 21 Oct 2019 18:57

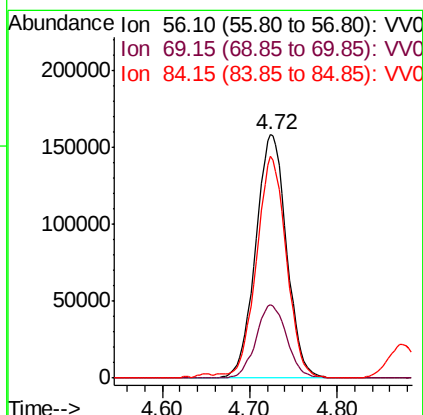
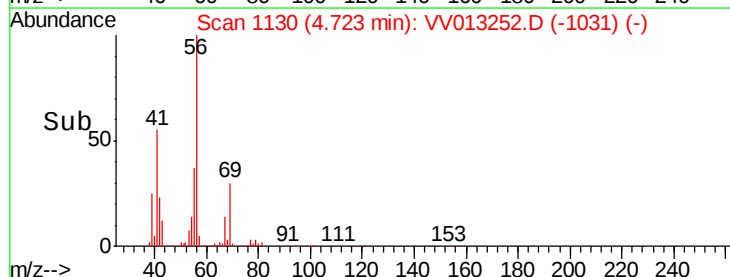
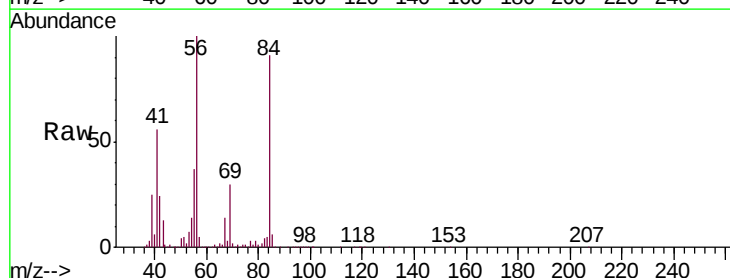
Instrument :
MSVOA_V
ClientSampleId :
VICV36

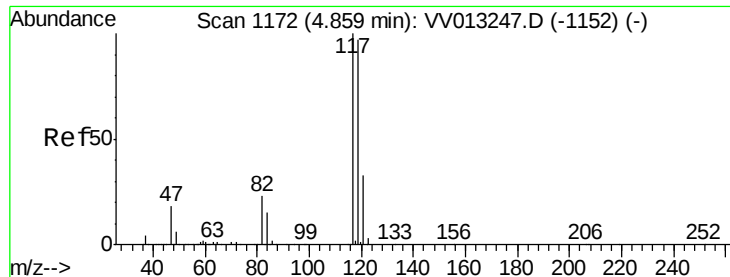
Tgt Ion: 97 Resp: 378584
Ion Ratio Lower Upper
97 100
99 64.7 51.7 77.5
61 43.3 34.3 51.5



#30
Cyclohexane
Concen: 4.162 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.02 min
Lab File: VV013252.D
Acq: 21 Oct 2019 18:57

Tgt Ion: 56 Resp: 386525
Ion Ratio Lower Upper
56 100
69 30.1 24.6 37.0
84 87.3 71.0 106.6





#31

Carbon tetrachloride

Concen: 4.250 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.02 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

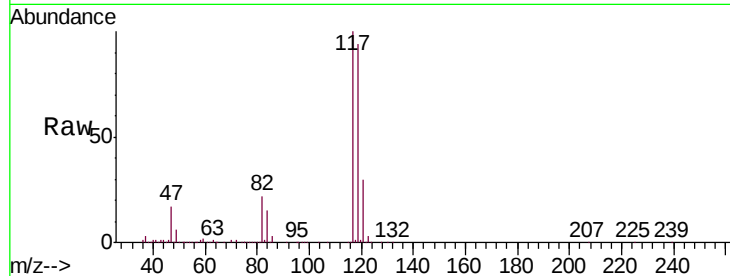
VICV36

Tgt Ion:117 Resp: 341153

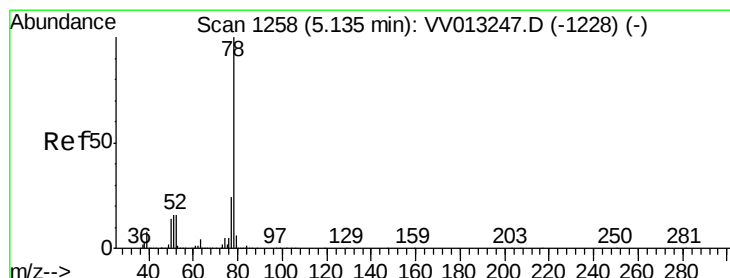
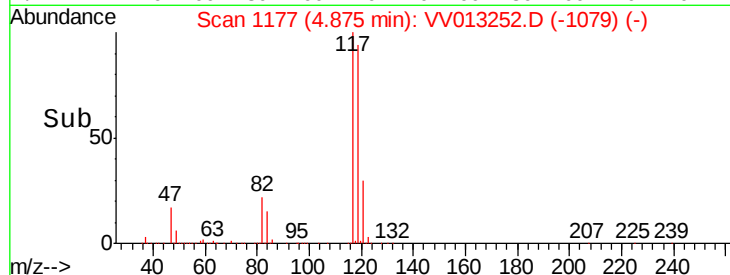
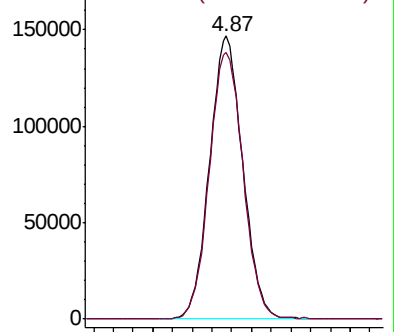
Ion Ratio Lower Upper

117 100

119 96.3 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V



#33

Benzene

Concen: 4.350 ug/L

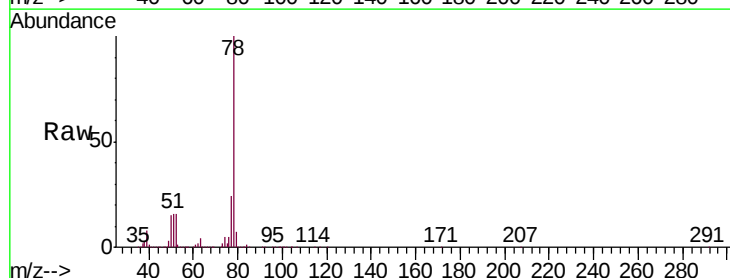
RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

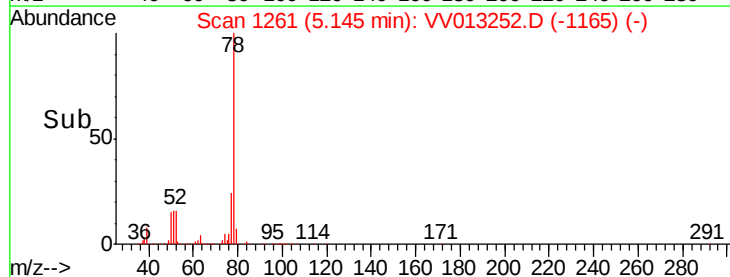
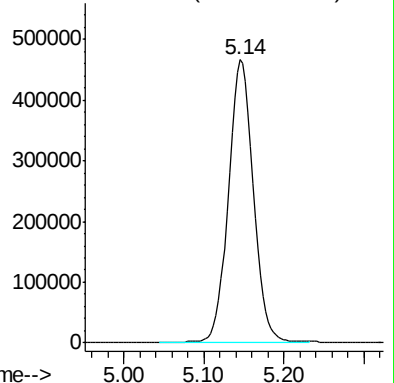
Lab File: VV013252.D

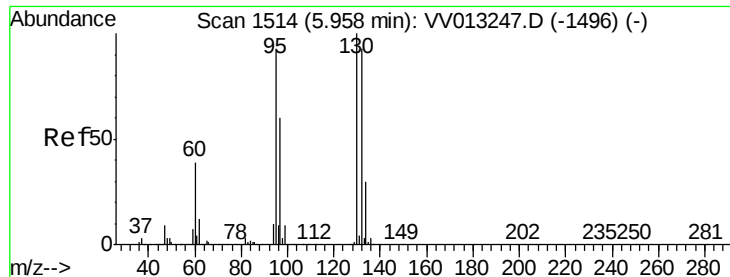
Acq: 21 Oct 2019 18:57

Tgt Ion: 78 Resp: 1005439



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.243 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

VICV36

Tgt Ion: 95 Resp: 263175

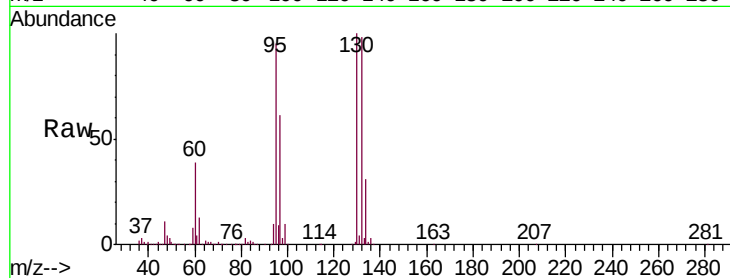
Ion Ratio Lower Upper

95 100

97 64.4 45.2 84.0

132 103.5 70.6 131.2

130 105.5 75.5 140.3

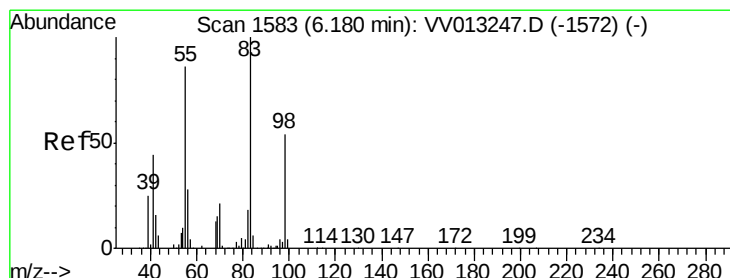
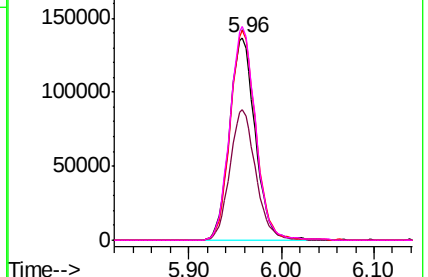
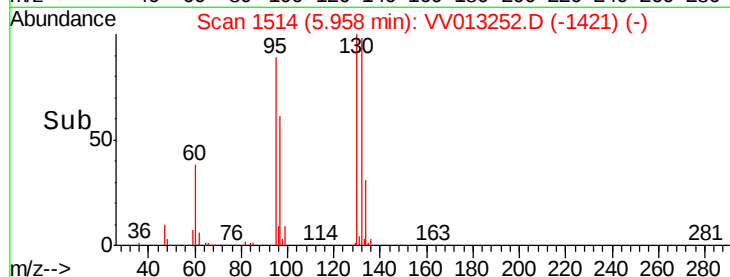


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.210 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

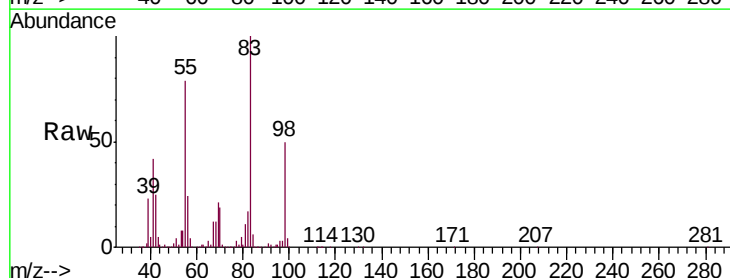
Tgt Ion: 83 Resp: 401716

Ion Ratio Lower Upper

83 100

55 76.7 62.4 93.6

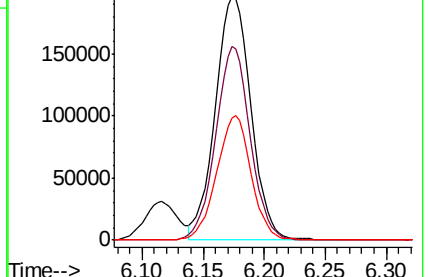
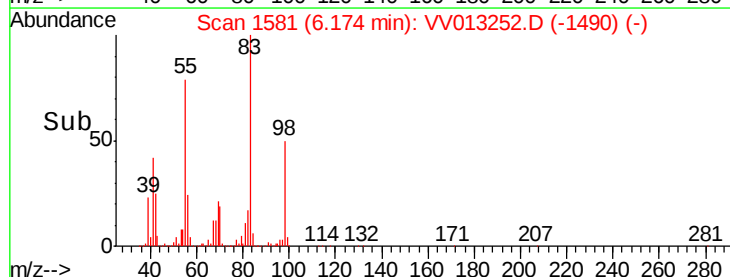
98 49.5 39.2 58.8

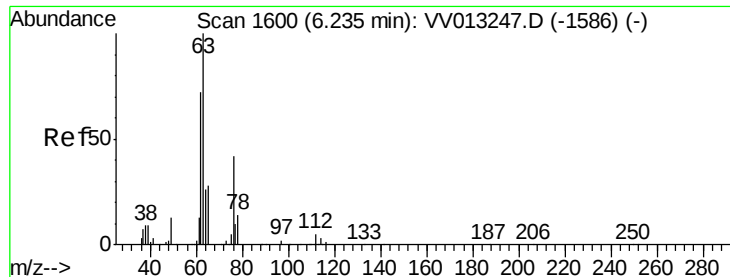


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.421 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.02 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

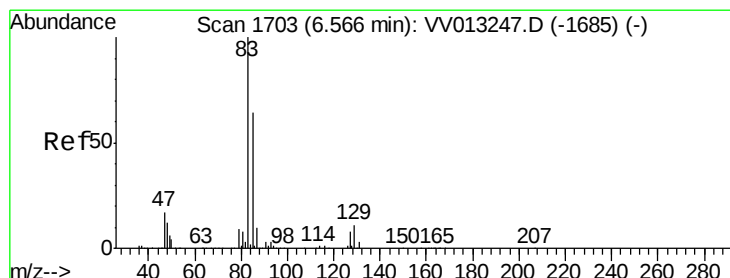
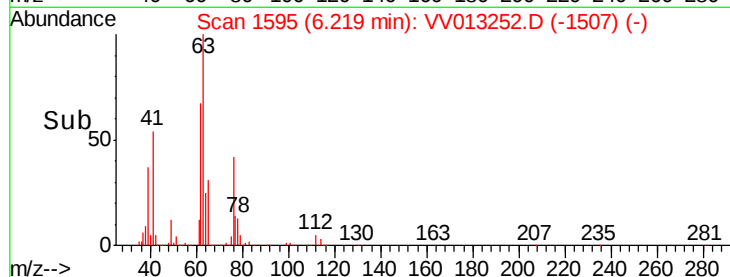
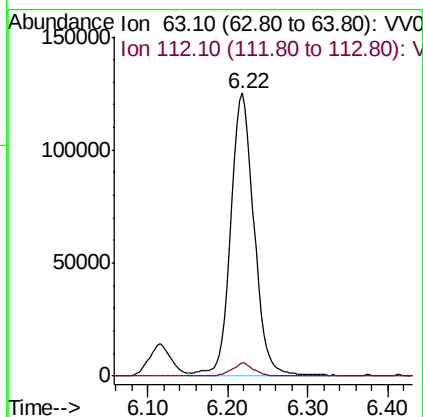
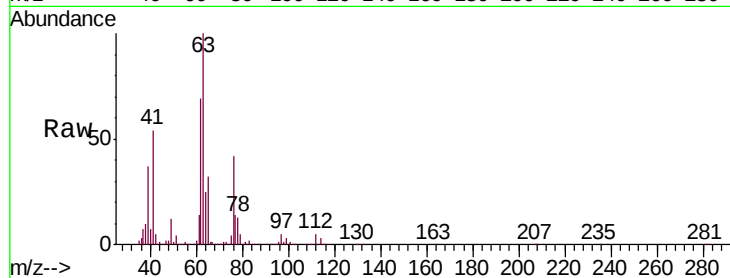
VICV36

Tgt Ion: 63 Resp: 248242

Ion Ratio Lower Upper

63 100

112 4.5 4.1 6.1



#38

Bromodichloromethane

Concen: 4.213 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.01 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

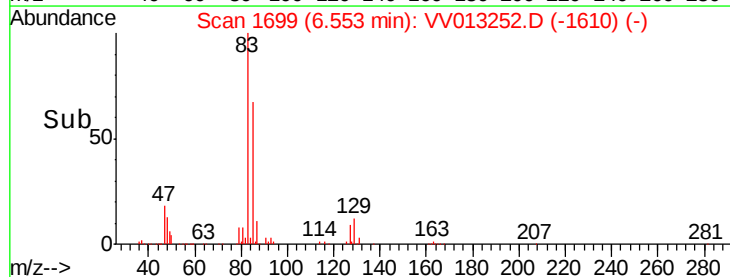
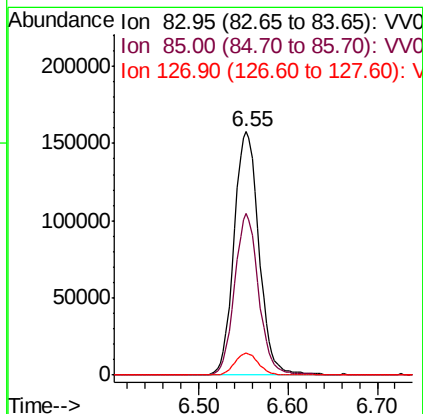
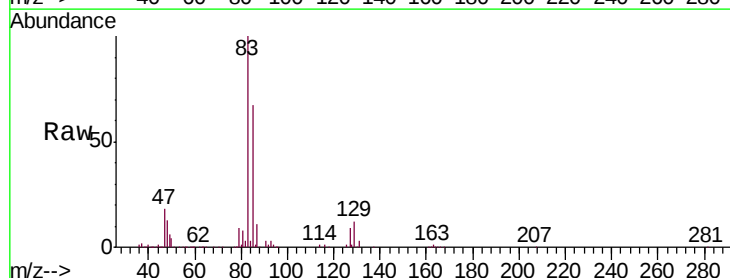
Tgt Ion: 83 Resp: 306163

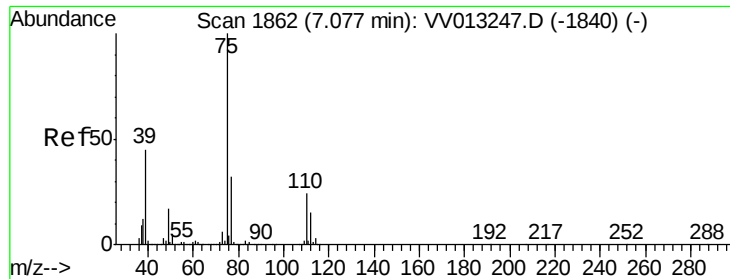
Ion Ratio Lower Upper

83 100

85 66.6 44.4 82.5

127 8.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.129 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

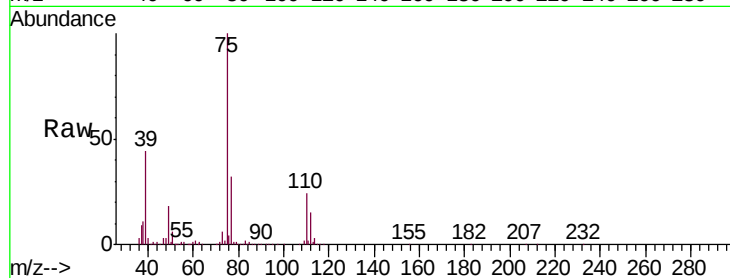
VICV36

Tgt Ion: 75 Resp: 326528

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

200000

150000

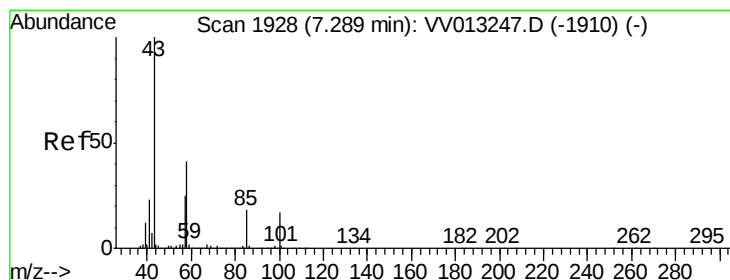
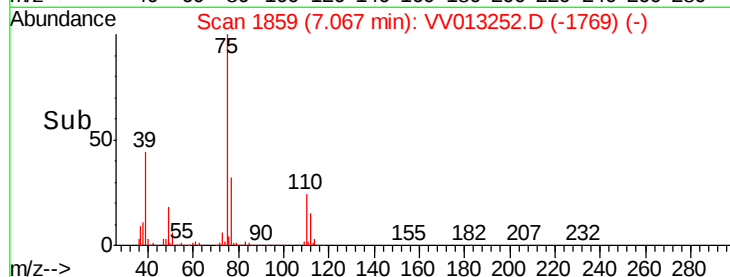
100000

50000

0

7.00 7.10

Time-->



#40

4-Methyl-2-pentanone

Concen: 41.813 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. -0.02 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

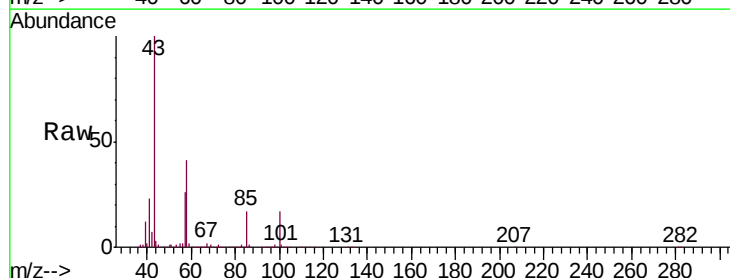
Tgt Ion: 43 Resp: 1200057

Ion Ratio Lower Upper

43 100

58 39.5 30.7 46.1

100 16.1 12.4 18.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.27

800000

600000

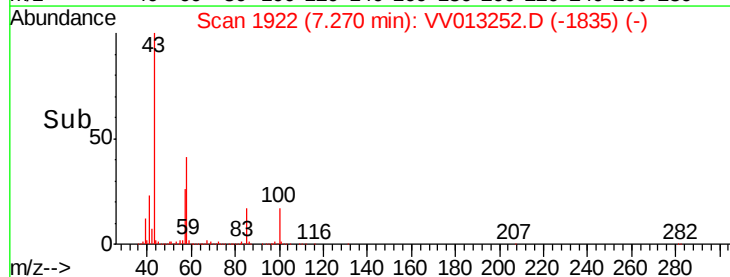
400000

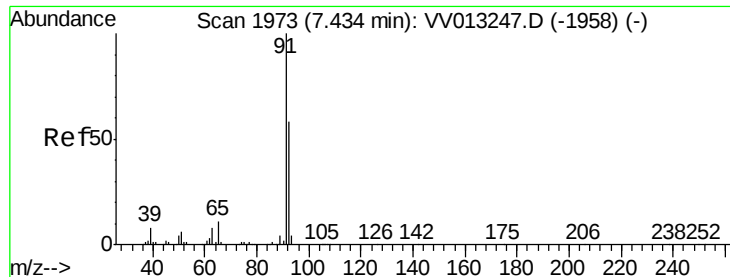
200000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 4.468 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

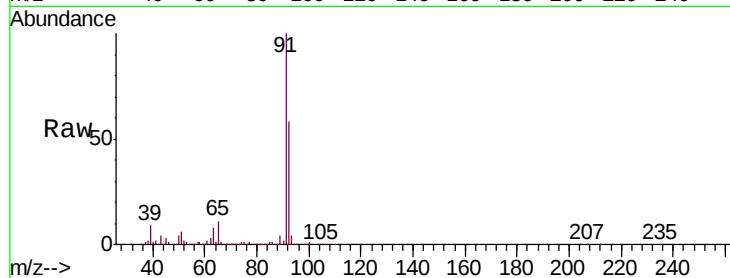
VICV36

Tgt Ion: 91 Resp: 1084462

Ion Ratio Lower Upper

91 100

92 58.2 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

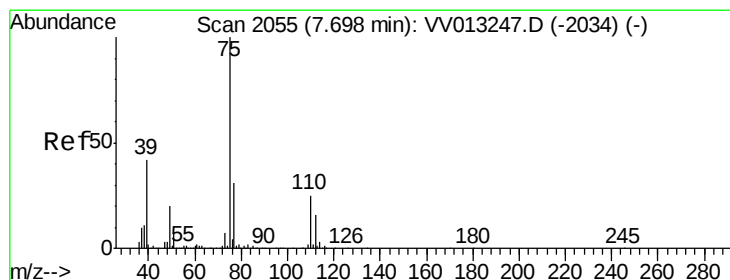
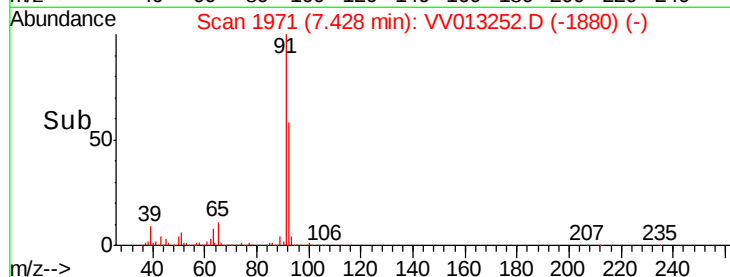
600000

400000

200000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 4.233 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.01 min

Lab File: VV013252.D

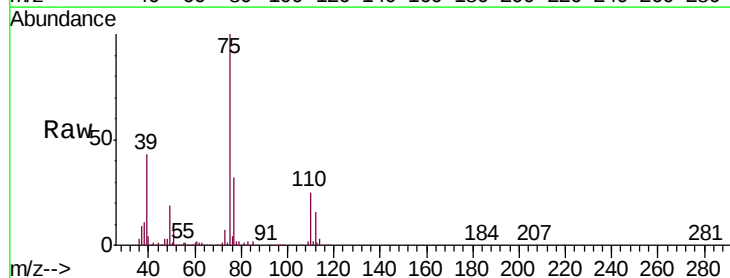
Acq: 21 Oct 2019 18:57

Tgt Ion: 75 Resp: 253574

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

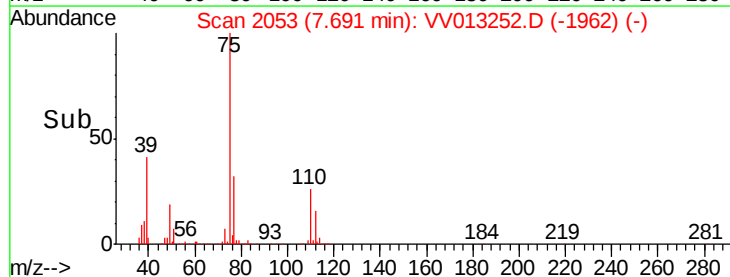
150000

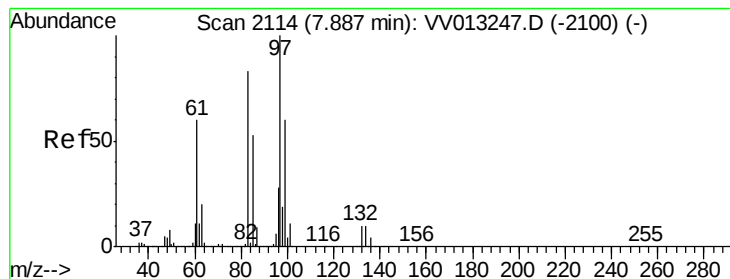
100000

50000

0

Time--> 7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 4.201 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.01 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampled :

VICV36

Tgt Ion: 97 Resp: 164627

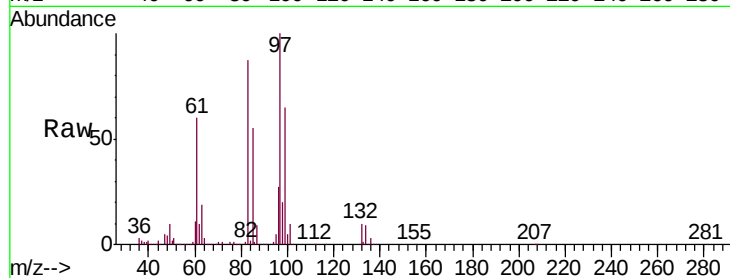
Ion Ratio Lower Upper

97 100

99 65.3 42.2 78.4

83 86.9 58.4 108.4

85 54.5 37.0 68.6

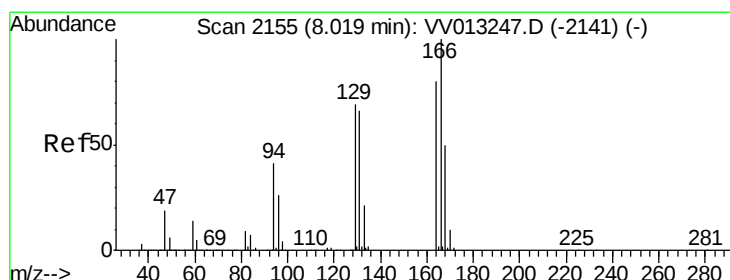
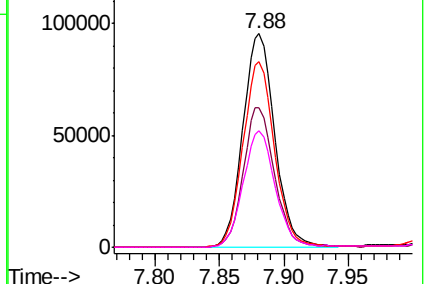
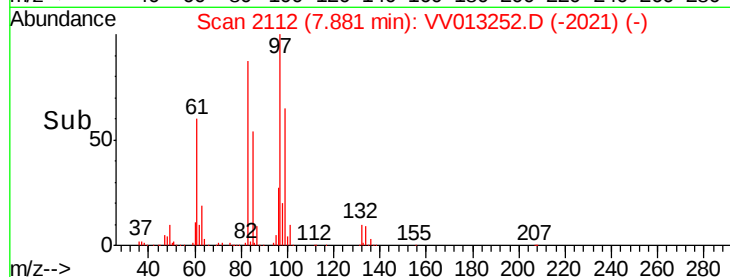


Abundance Ion 96.95 (96.65 to 97.65): VV013247.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV013247.D (-2100) (-)

Ion 82.95 (82.65 to 83.65): VV013247.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV013247.D (-2100) (-)



#47

Tetrachloroethene

Concen: 4.168 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Tgt Ion: 164 Resp: 234779

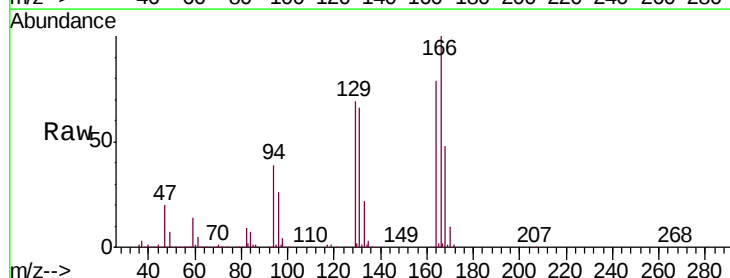
Ion Ratio Lower Upper

164 100

129 88.1 61.0 113.2

131 84.0 57.5 106.9

166 127.1 87.8 163.0

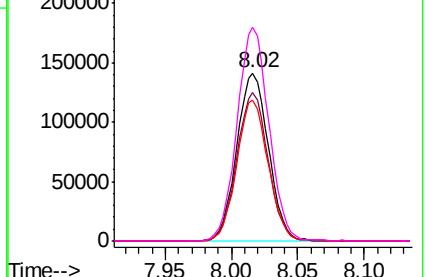
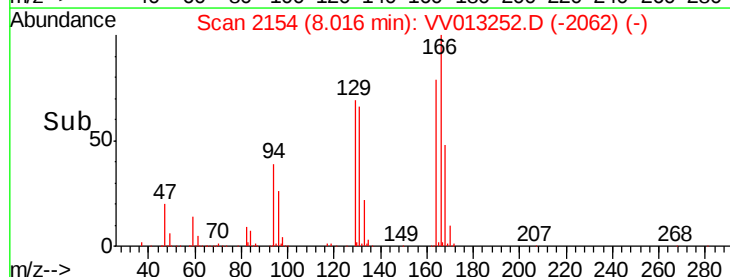


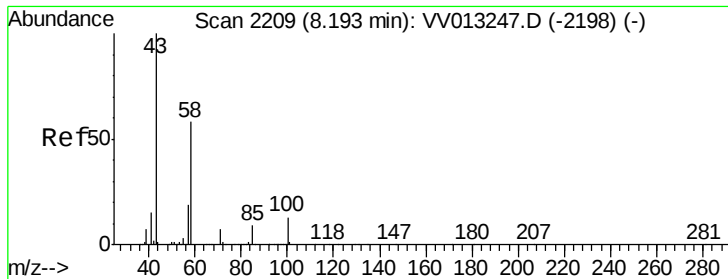
Abundance Ion 163.90 (163.60 to 164.60): VV013247.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV013247.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV013247.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV013247.D (-2141) (-)

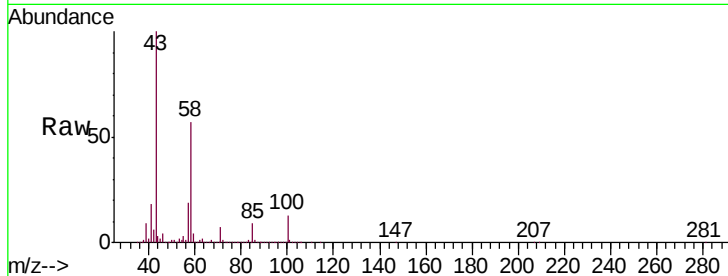




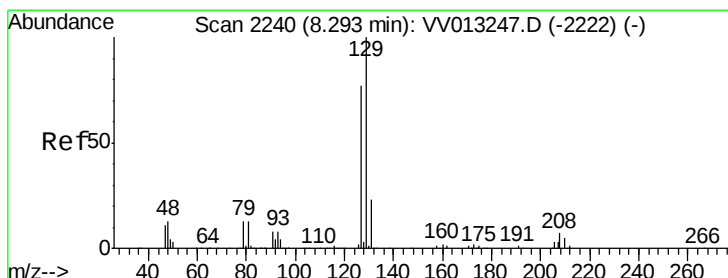
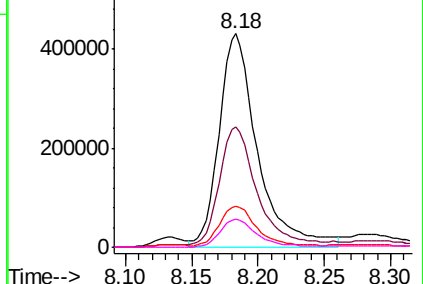
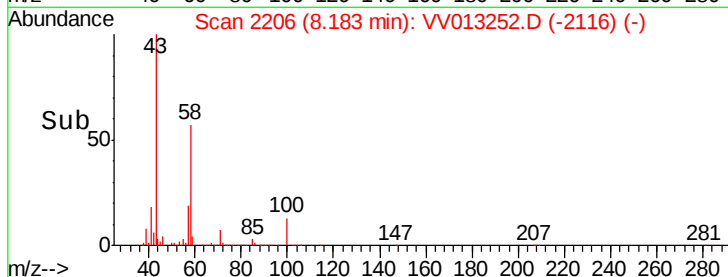
#48
2-Hexanone
Concen: 42.399 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VV013252.D
Acq: 21 Oct 2019 18:57

Instrument :
MSVOA_V
ClientSampleId :
VICV36

Tgt Ion:	43	Resp:	868695
Ion	Ratio	Lower	Upper
43	100		
58	52.8	45.1	67.7
57	17.7	15.5	23.3
100	12.7	10.2	15.2

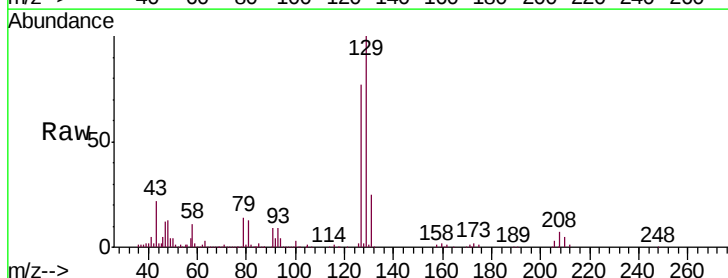


Abundance Ion 43.05 (42.75 to 43.75): VV013252.D (-2116) (-)
Ion 58.05 (57.75 to 58.75): VV013252.D (-2116) (-)
Ion 57.20 (56.90 to 57.90): VV013252.D (-2116) (-)
Ion 100.15 (99.85 to 100.85): VV013252.D (-2116) (-)

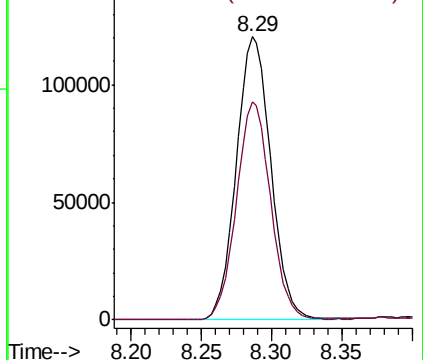
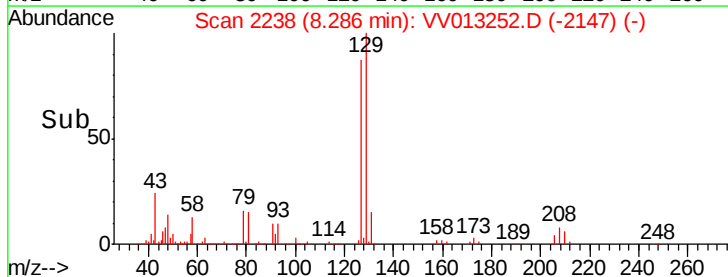


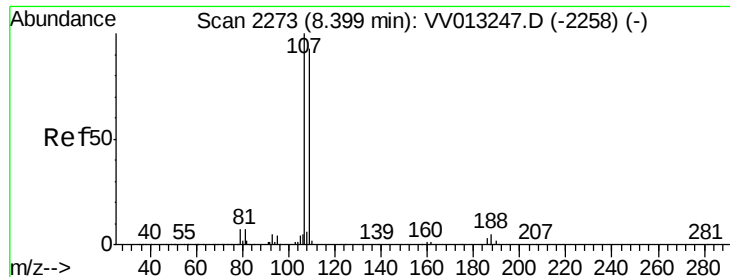
#49
Dibromochloromethane
Concen: 4.202 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.01 min
Lab File: VV013252.D
Acq: 21 Oct 2019 18:57

Tgt Ion:	129	Resp:	207429
Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.1	100.5



Abundance Ion 128.95 (128.65 to 129.65): VV013252.D (-2147) (-)
Ion 126.90 (126.60 to 127.60): VV013252.D (-2147) (-)

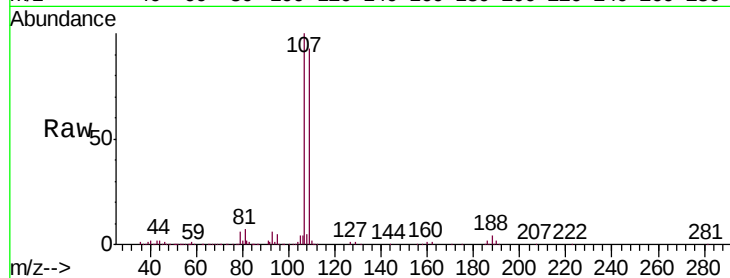




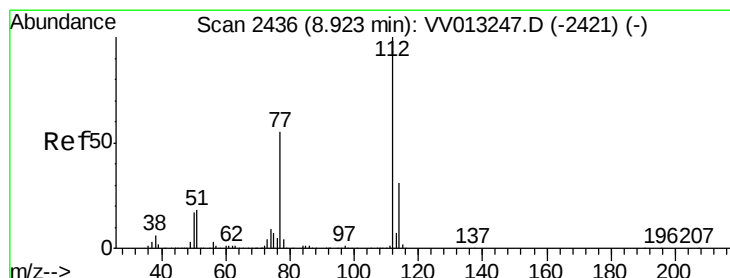
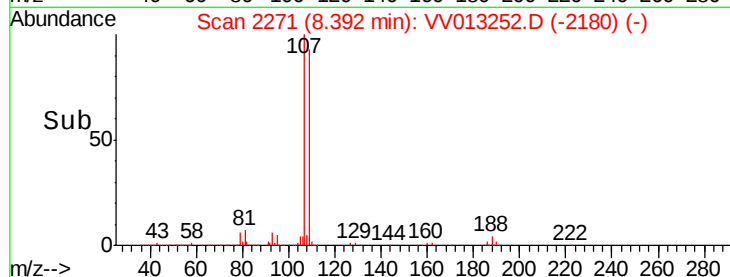
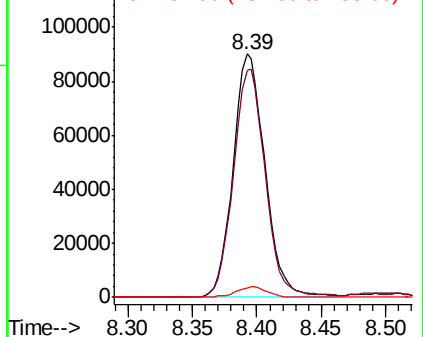
#50
 1,2-Dibromoethane
 Concen: 4.158 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VV013252.D
 Acq: 21 Oct 2019 18:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.5	121.6
188	3.8	3.7	5.5

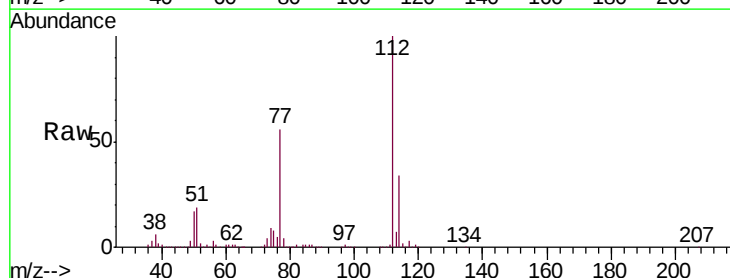


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

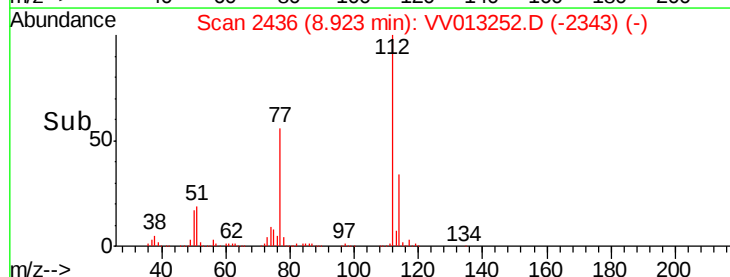
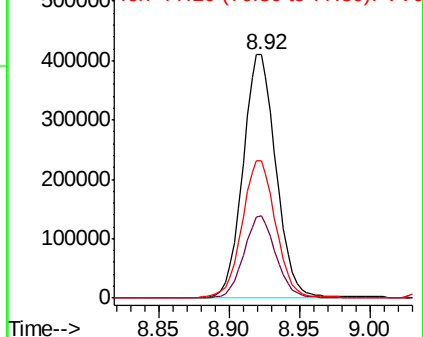


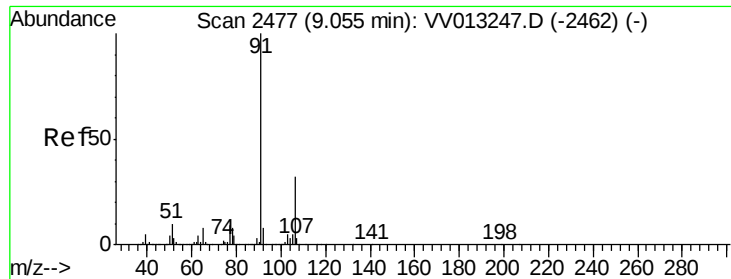
#51
 Chlorobenzene
 Concen: 4.231 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV013252.D
 Acq: 21 Oct 2019 18:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.8	21.8	40.6
77	56.4	44.4	66.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.412 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

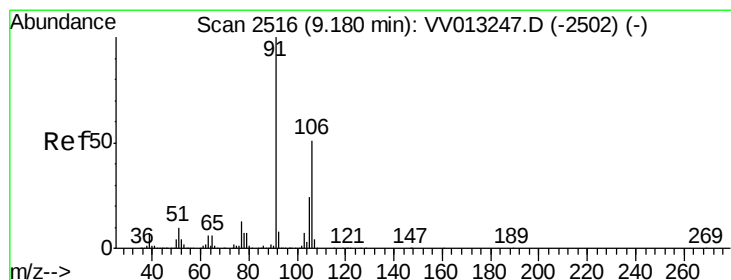
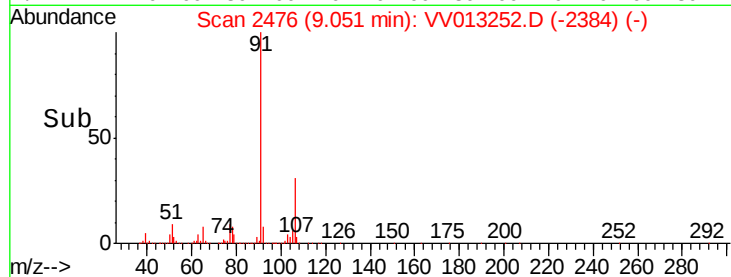
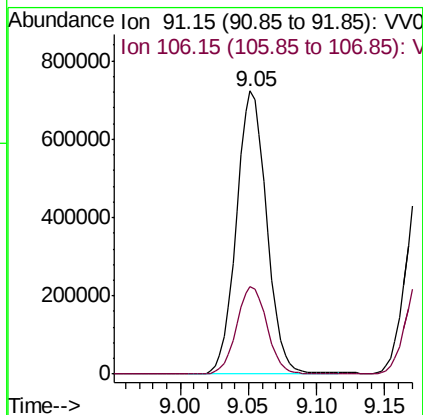
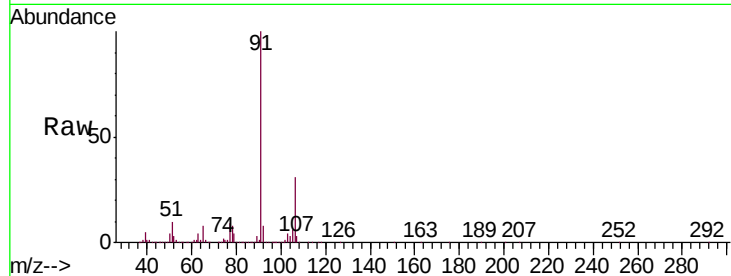
VICV36

Tgt Ion: 91 Resp: 1116436

Ion Ratio Lower Upper

91 100

106 30.8 22.4 41.6



#53

m,p-xylene

Concen: 4.537 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013252.D

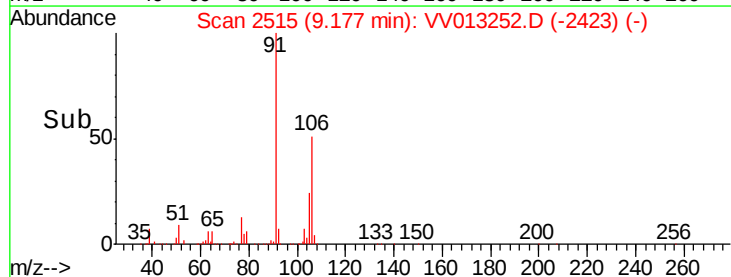
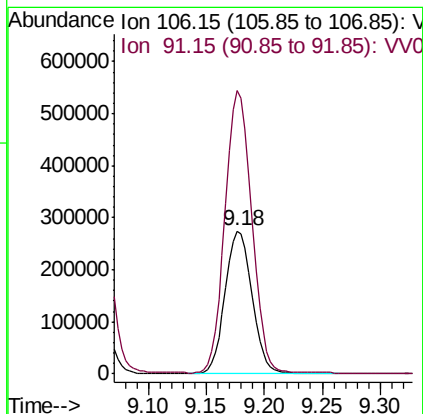
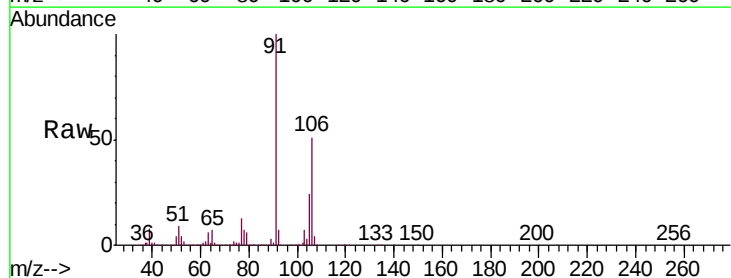
Acq: 21 Oct 2019 18:57

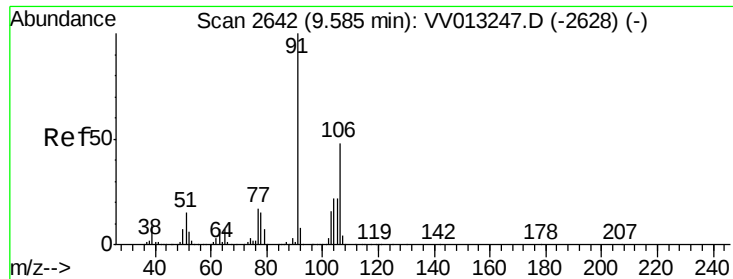
Tgt Ion: 106 Resp: 439445

Ion Ratio Lower Upper

106 100

91 197.9 137.8 255.8





#54

o-xylene

Concen: 4.480 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

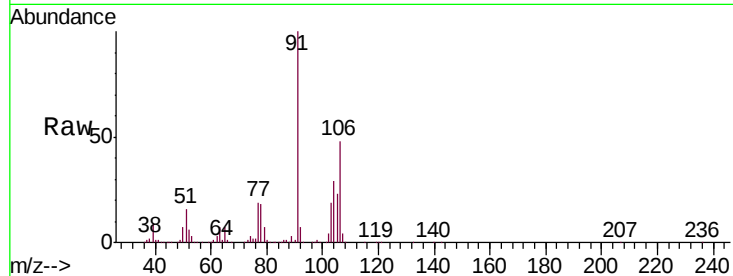
VICV36

Tgt Ion:106 Resp: 412013

Ion Ratio Lower Upper

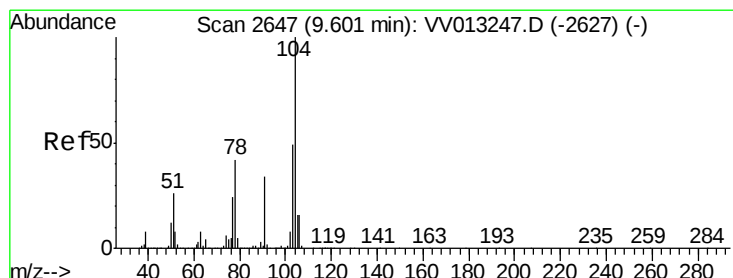
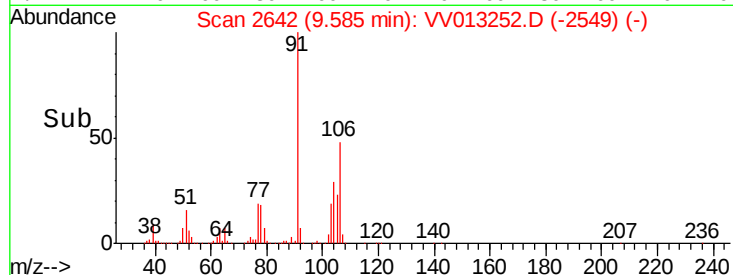
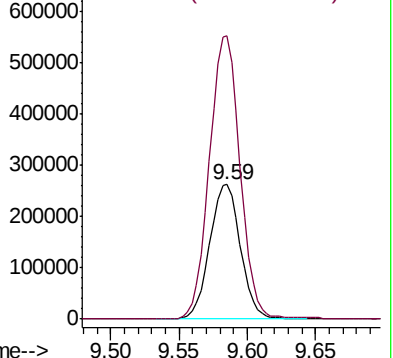
106 100

91 210.1 147.0 273.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.698 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV013252.D

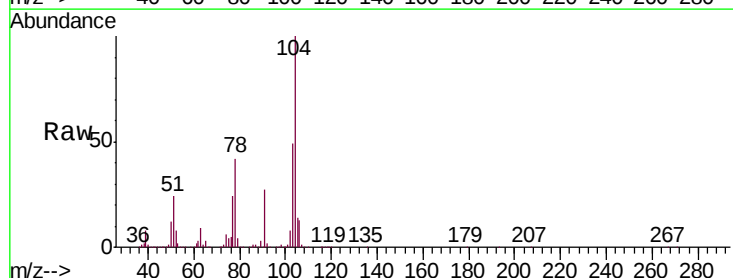
Acq: 21 Oct 2019 18:57

Tgt Ion:104 Resp: 734196

Ion Ratio Lower Upper

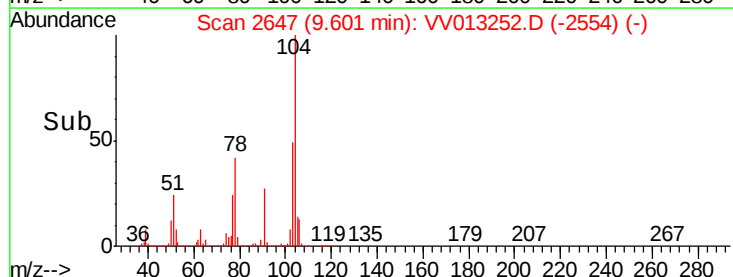
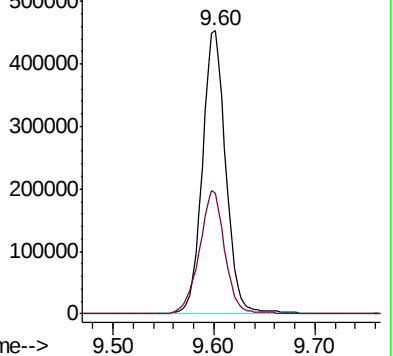
104 100

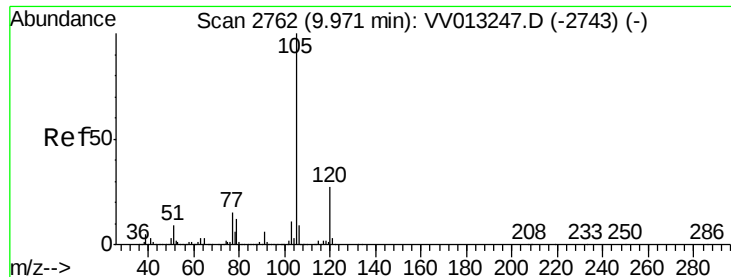
78 42.5 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.551 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

VICV36

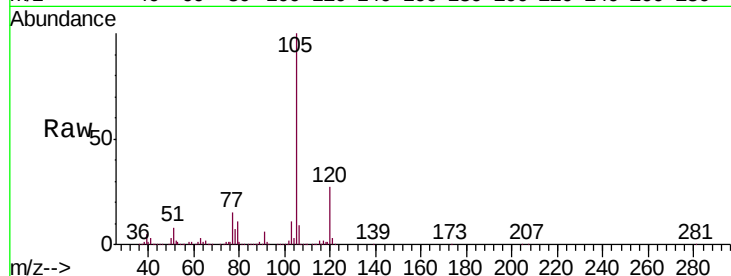
Tgt Ion:105 Resp: 1103782

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.6

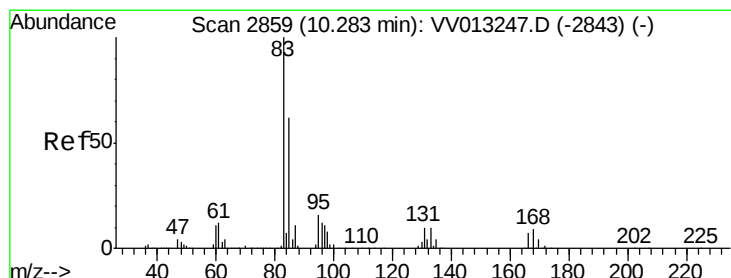
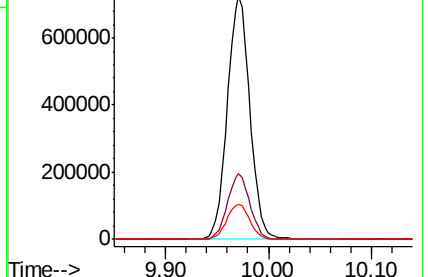
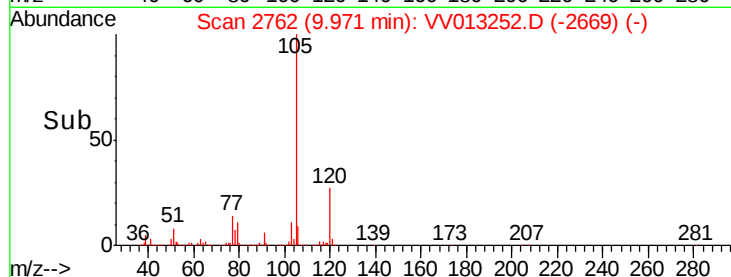
77 14.8 12.0 18.0



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: 4.266 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

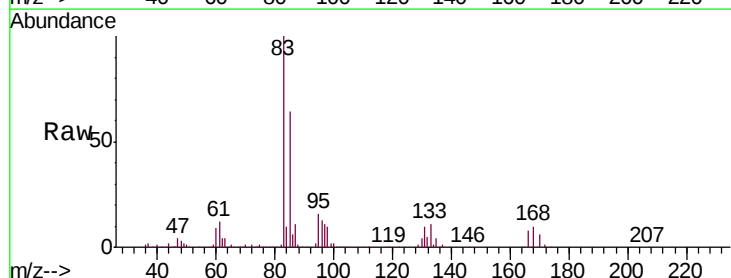
Tgt Ion: 83 Resp: 192208

Ion Ratio Lower Upper

83 100

85 64.3 43.3 80.3

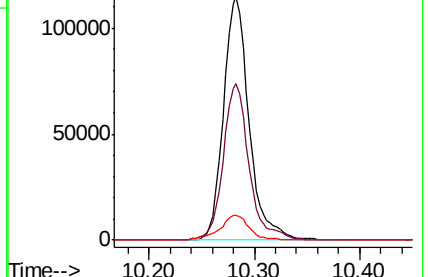
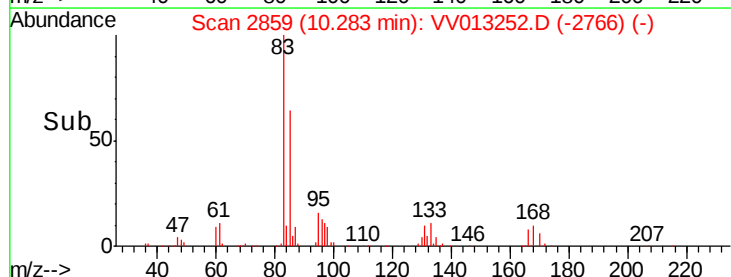
131 10.2 8.3 12.5

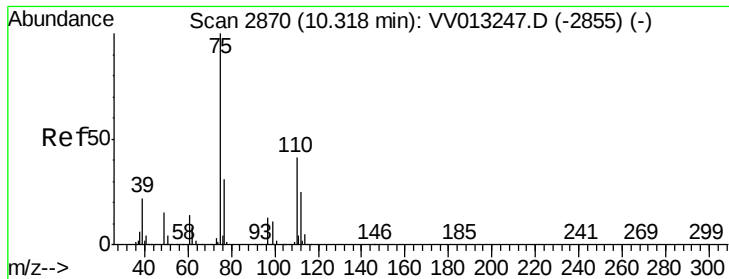


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.335 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

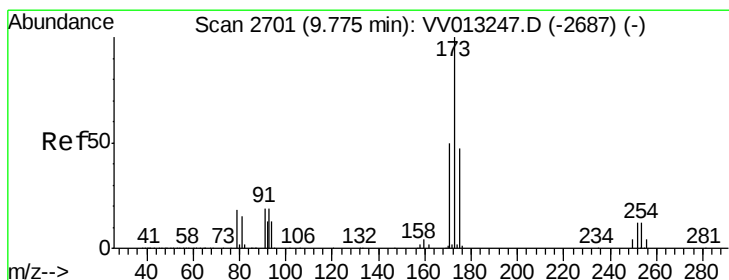
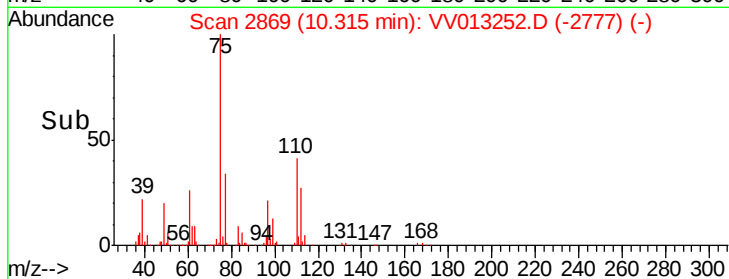
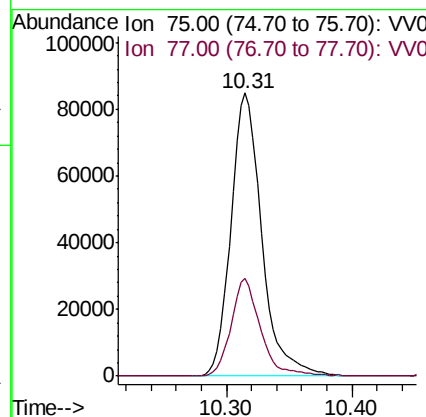
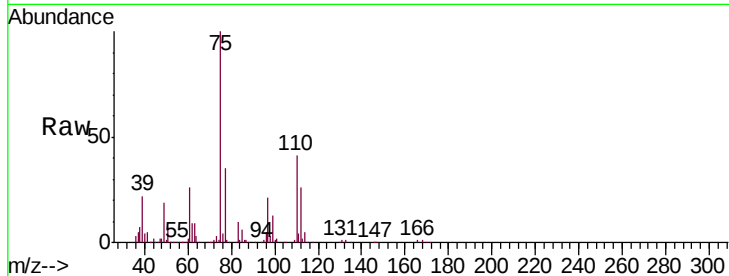
VICV36

Tgt Ion: 75 Resp: 145153

Ion Ratio Lower Upper

75 100

77 33.2 24.7 37.1



#61

Bromoform

Concen: 4.109 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

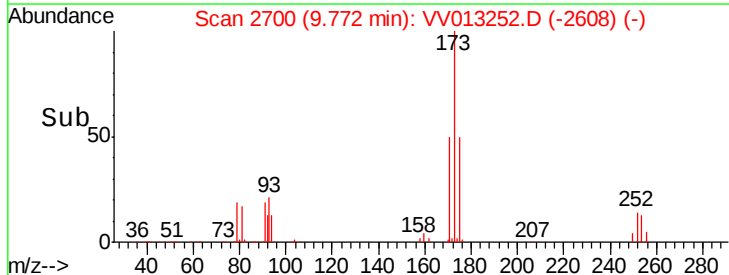
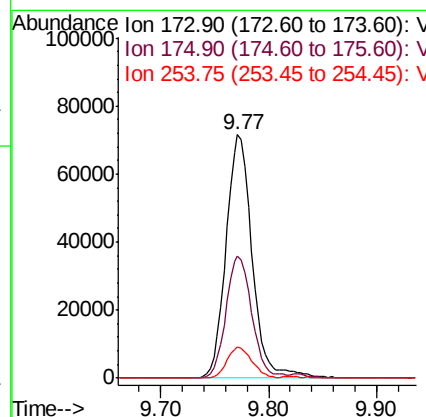
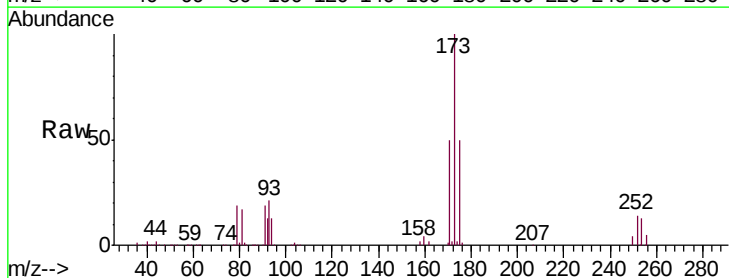
Tgt Ion: 173 Resp: 120854

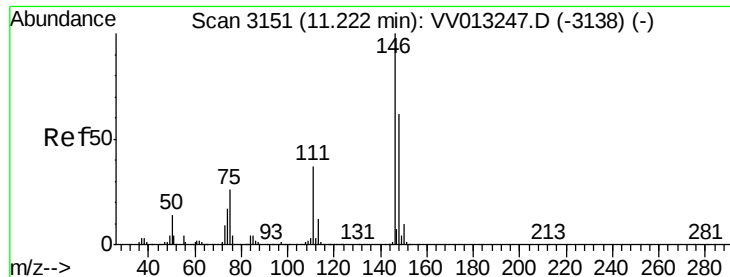
Ion Ratio Lower Upper

173 100

175 49.6 38.8 58.2

254 12.1 9.8 14.8





#62

1,3-Dichlorobenzene

Concen: 4.242 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

VICV36

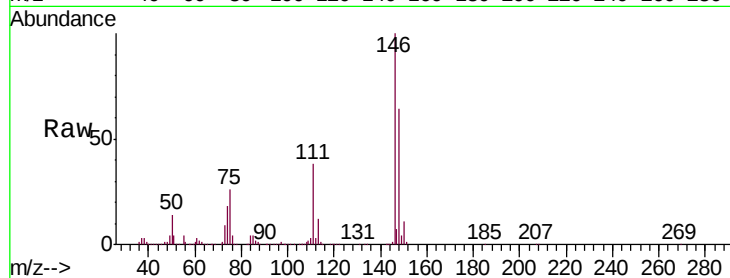
Tgt Ion:146 Resp: 576419

Ion Ratio Lower Upper

146 100

111 37.7 25.8 47.8

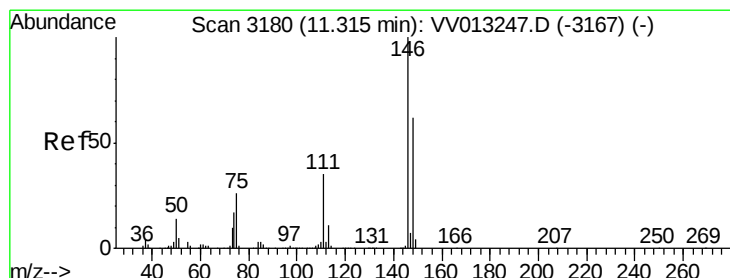
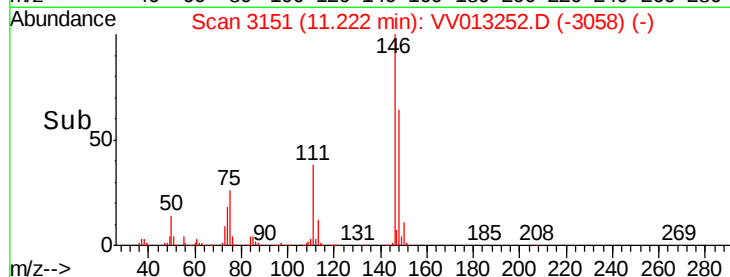
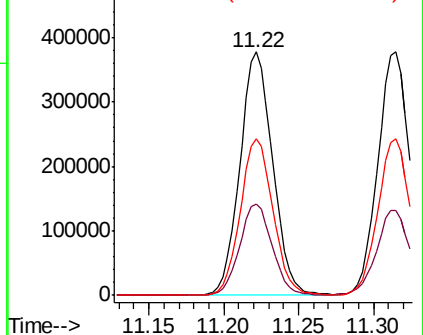
148 64.5 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.172 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

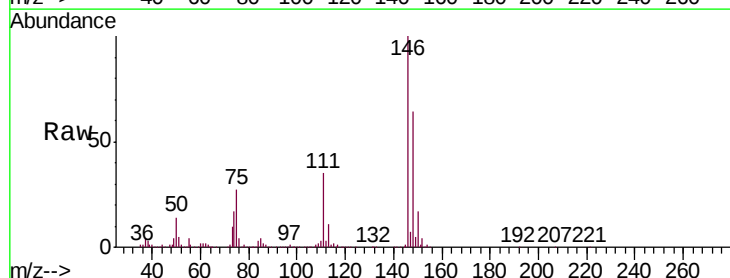
Tgt Ion:146 Resp: 573883

Ion Ratio Lower Upper

146 100

111 34.7 24.6 45.6

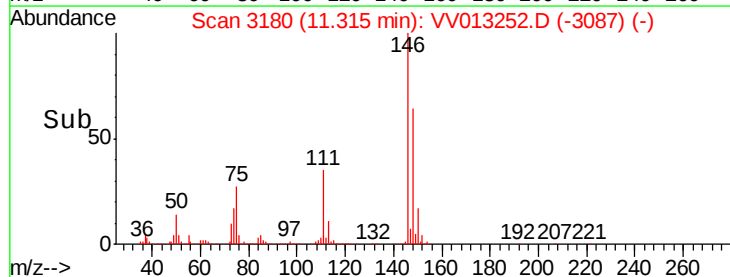
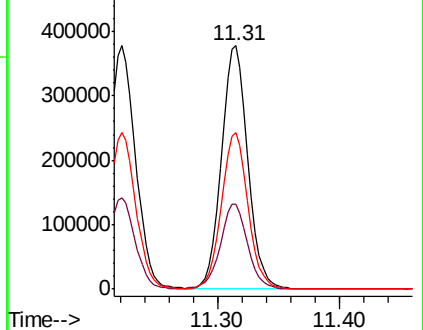
148 64.2 43.3 80.5

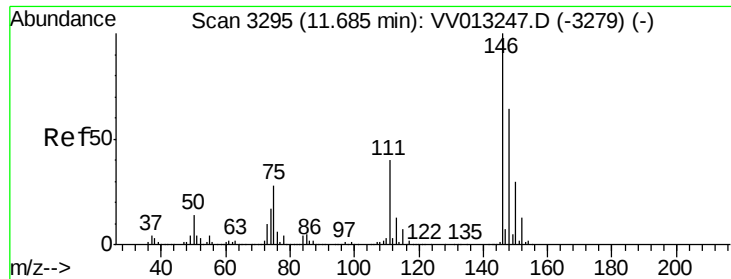


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.209 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampled :

VICV36

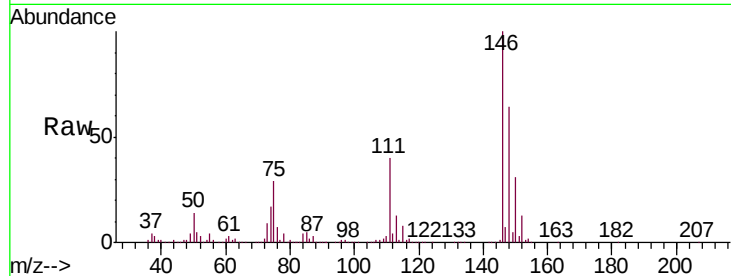
Tgt Ion:146 Resp: 526753

Ion Ratio Lower Upper

146 100

111 39.9 31.8 47.6

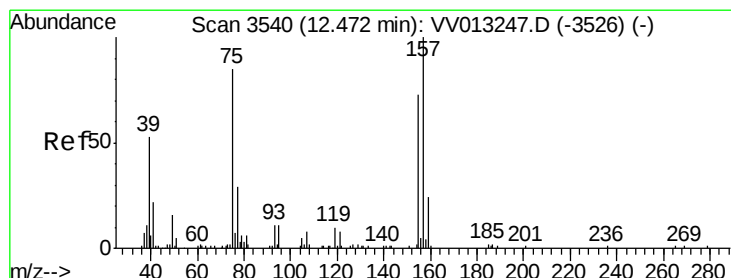
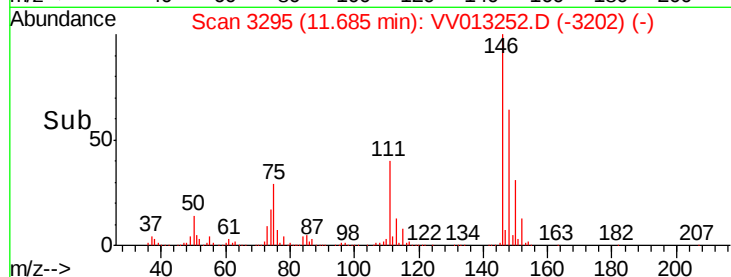
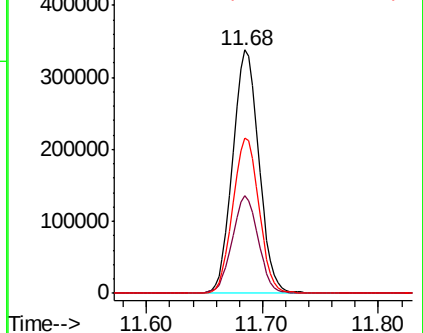
148 63.7 51.0 76.6



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: 4.250 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

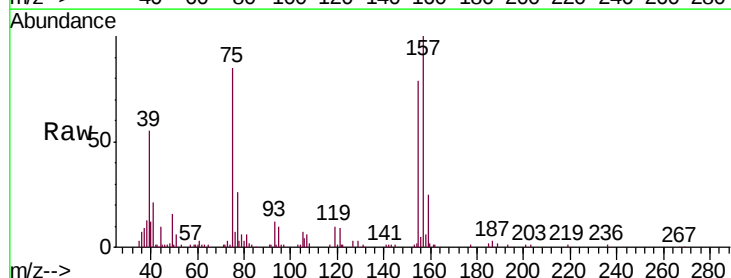
Tgt Ion: 75 Resp: 30199

Ion Ratio Lower Upper

75 100

155 93.3 69.3 103.9

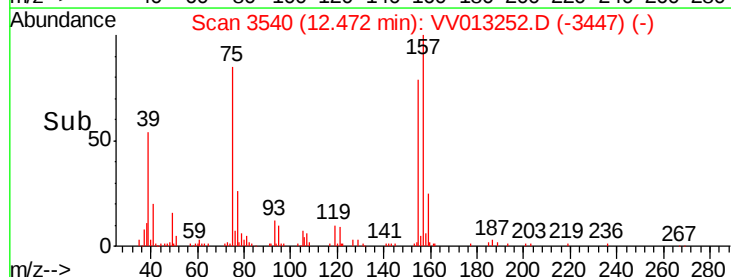
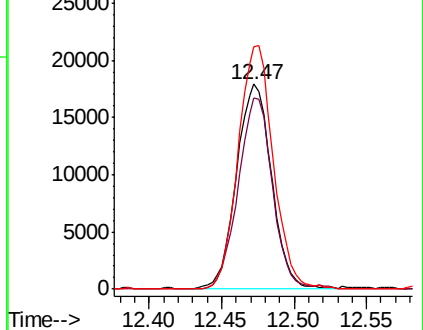
157 118.2 94.3 141.5

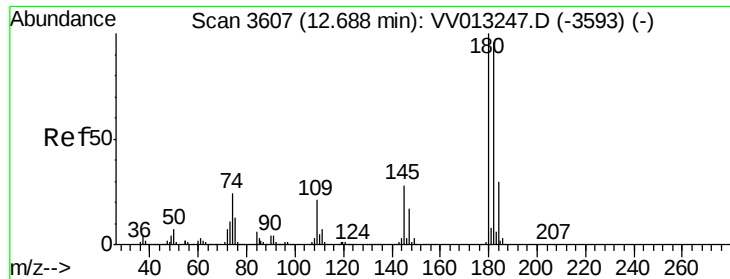


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

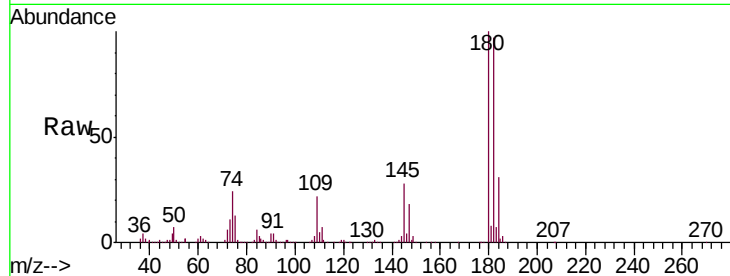




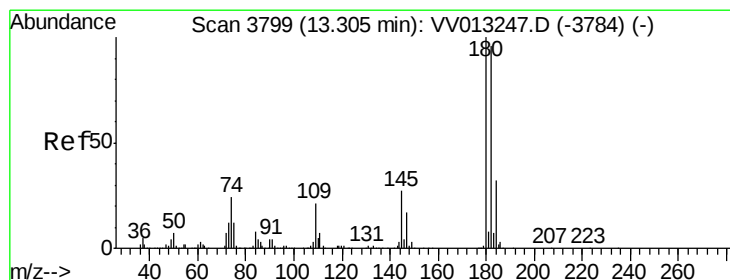
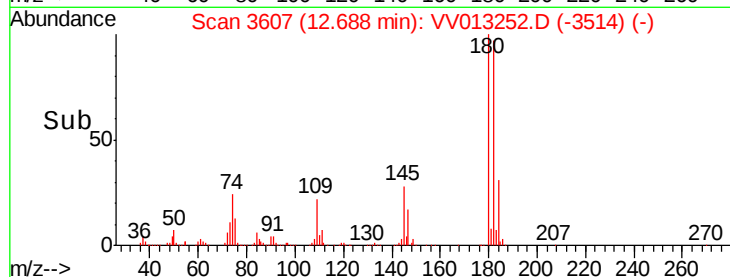
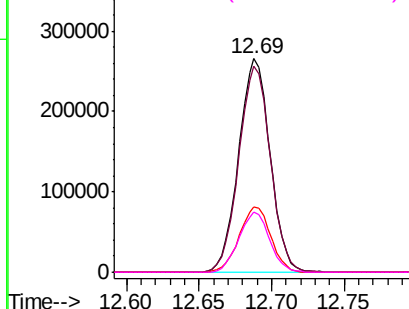
#67
 1,3,5-Trichlorobenzene
 Concen: 3.992 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013252.D
 Acq: 21 Oct 2019 18:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

Tgt Ion:	180	Resp:	401010
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.2	114.2
184	30.8	24.0	36.0
145	27.5	21.8	32.8

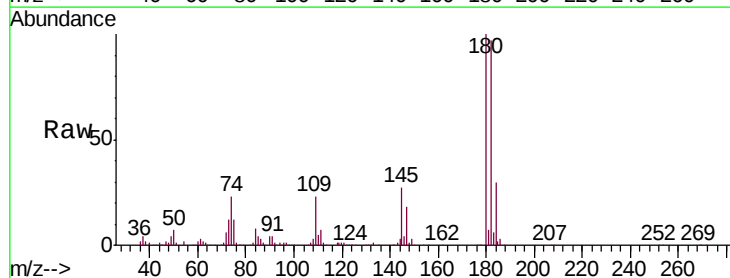


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

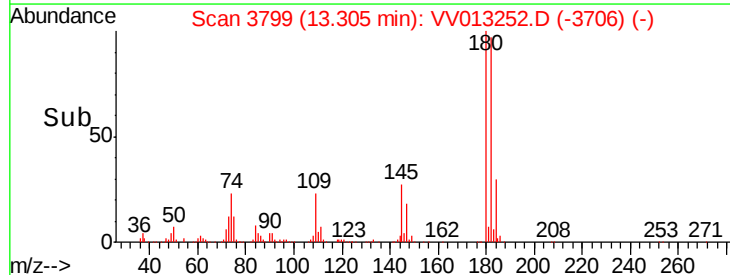
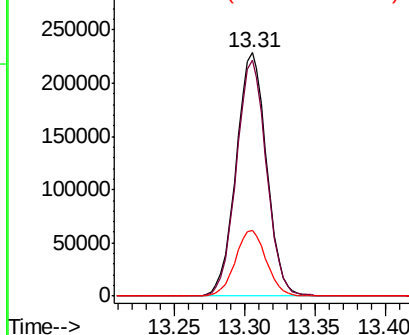


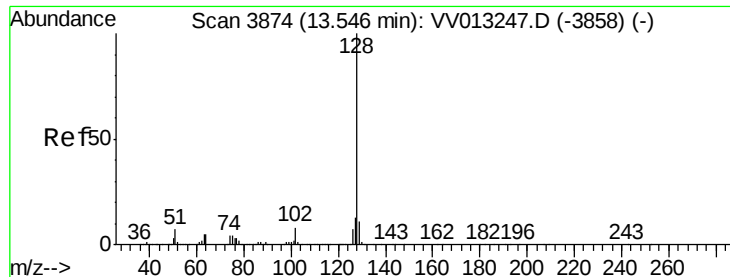
#68
 1,2,4-trichlorobenzene
 Concen: 3.944 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013252.D
 Acq: 21 Oct 2019 18:57

Tgt Ion:	180	Resp:	346645
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
145	27.5	22.1	33.1



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





#69

Naphthalene

Concen: 3.890 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

Instrument :

MSVOA_V

ClientSampleId :

VICV36

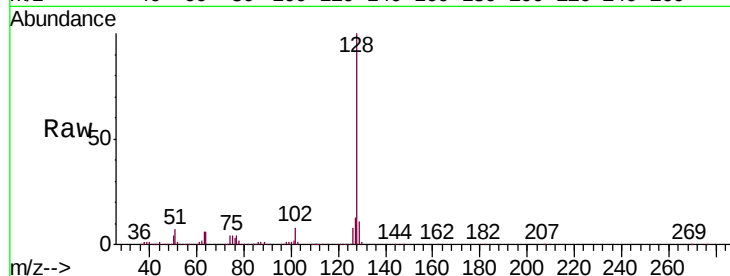
Tgt Ion:128 Resp: 471567

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

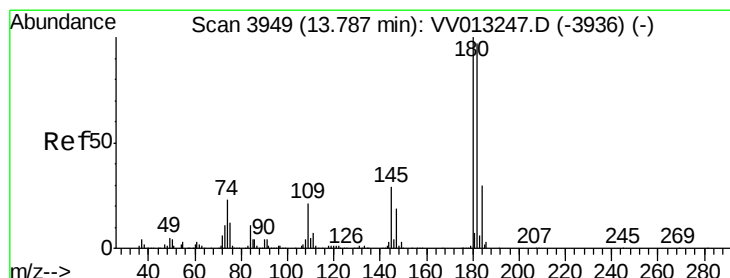
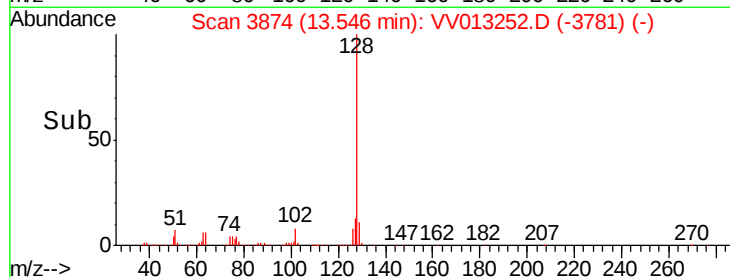
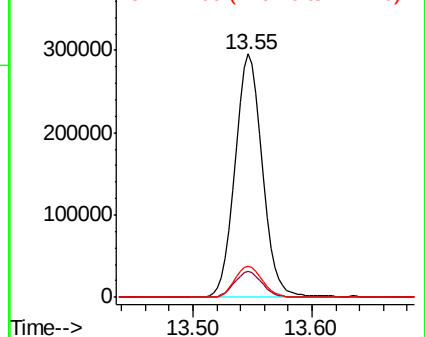
127 13.0 10.4 15.6



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: 4.160 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013252.D

Acq: 21 Oct 2019 18:57

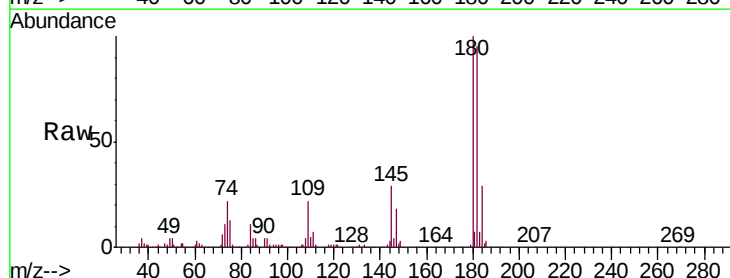
Tgt Ion:180 Resp: 339565

Ion Ratio Lower Upper

180 100

182 94.7 76.5 114.7

145 28.8 23.5 35.3



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

