

Data File : VV010577.D
Acq On : 30 Apr 2019 16:25
Operator : SY/MD
Sample : VSTD00537
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

Quant Time: May 01 07:35:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 01 07:31:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	195141	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	198118	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94850	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57006	5.89	ug/L	0.00
7) Chloroethane-d5	1.57	69	39784	7.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	110305	6.02	ug/L	0.00
20) 2-Butanone-d5	3.94	46	139531	57.45	ug/L	0.00
24) Chloroform-d	4.40	84	122077	4.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	59285	5.20	ug/L	0.00
32) Benzene-d6	5.10	84	237289	4.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	69238	5.05	ug/L	0.00
41) Toluene-d8	7.36	98	242574	5.30	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	26927	5.10	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	115313	52.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	54909	5.09	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	84111	4.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	89906	5.671 ug/L	100
3) Chloromethane	1.25	50	90657	7.583 ug/L	100
5) Vinyl chloride	1.32	62	84612	7.088 ug/L	100
6) Bromomethane	1.51	94	34019	6.898 ug/L	100
8) Chloroethane	1.59	64	45080	8.476 ug/L	100
9) Trichlorofluoromethane	1.76	101	132905	6.042 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	67867	6.183 ug/L	100
12) 1,1-Dichloroethene	2.14	96	60525	6.176 ug/L	100
13) Acetone	2.19	43	80809	63.752 ug/L	100
14) Carbon disulfide	2.31	76	167563	6.609 ug/L	100
15) Methyl Acetate	2.46	43	24608	5.829 ug/L	100
16) Methylene chloride	2.53	84	69769	4.947 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	136193	5.086 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	66302	5.032 ug/L	100
19) 1,1-Dichloroethane	3.23	63	123761	5.555 ug/L	100
21) 2-Butanone	4.02	43	151063	59.086 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	71122	4.960 ug/L	100
23) Bromochloromethane	4.30	128	30082	4.605 ug/L	100
25) Chloroform	4.42	83	128689	5.174 ug/L	100
27) 1,2-Dichloroethane	5.18	62	76918	5.390 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	113420	4.939 ug/L	100
30) Cyclohexane	4.72	56	104826	6.017 ug/L	100
31) Carbon tetrachloride	4.87	117	104284	4.797 ug/L	100
33) Benzene	5.14	78	277028	5.380 ug/L	100
34) Trichloroethene	5.96	95	76183	5.114 ug/L	100
35) Methylcyclohexane	6.18	83	107510	5.452 ug/L	100
37) 1,2-Dichloropropane	6.22	63	65891	5.540 ug/L	100
38) Bromodichloromethane	6.55	83	86015	5.082 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	94515	5.495 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	390540	61.013 ug/L	100

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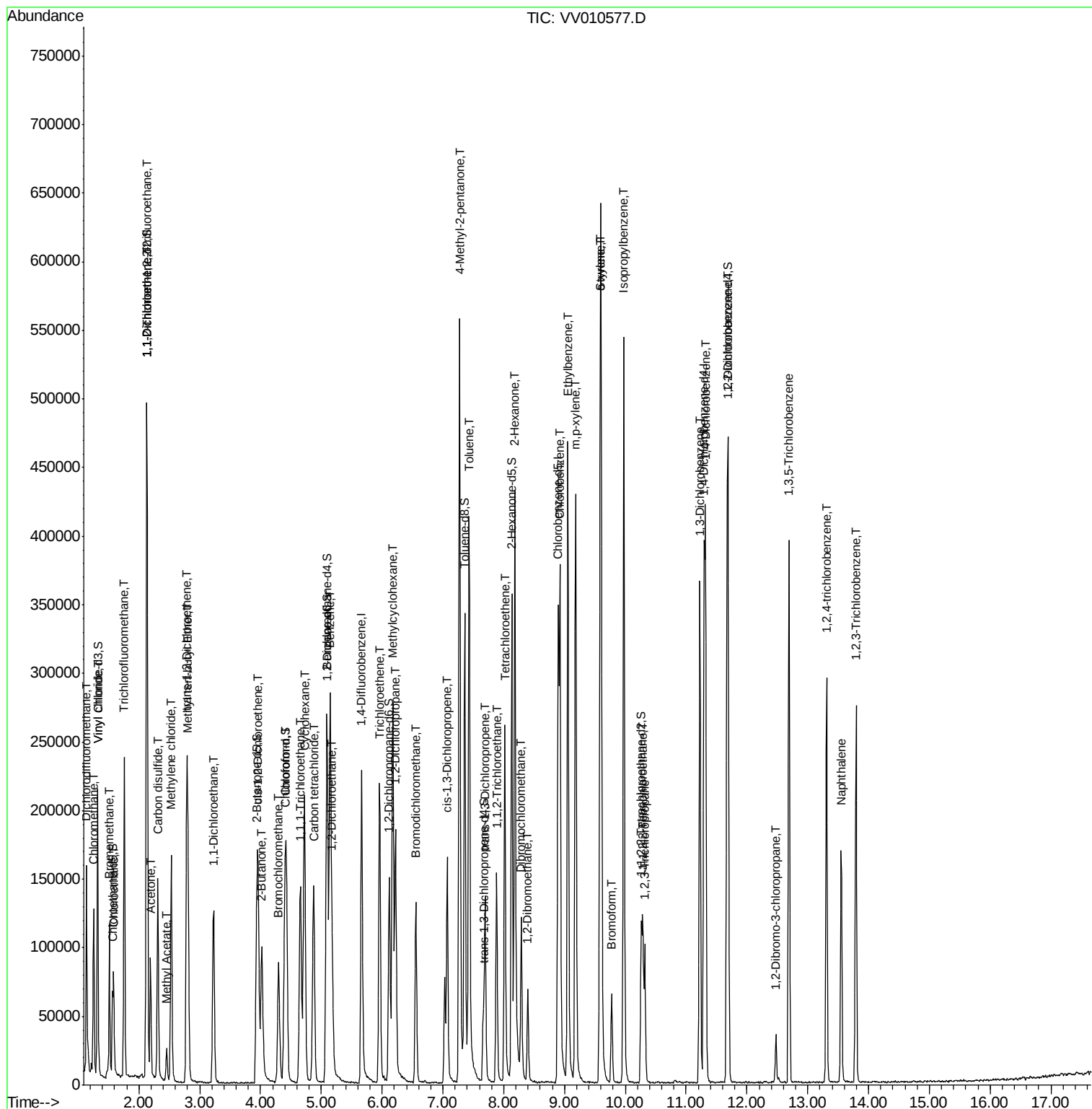
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	307795	5.476	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	73294	5.444	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	48243	4.905	ug/L	100
47) Tetrachloroethene	8.02	164	59389	4.426	ug/L	100
48) 2-Hexanone	8.18	43	281776	62.962	ug/L	100
49) Dibromochloromethane	8.29	129	55008	4.648	ug/L	100
50) 1,2-Dibromoethane	8.40	107	44515	4.933	ug/L	100
51) Chlorobenzene	8.93	112	204810	5.200	ug/L	100
52) Ethylbenzene	9.05	91	334032	5.583	ug/L	100
53) m,p-xylene	9.18	106	128669	5.500	ug/L	100
54) o-xylene	9.59	106	130164	5.672	ug/L	100
55) Styrene	9.60	104	216762	5.746	ug/L	100
56) Isopropylbenzene	9.97	105	340906	5.666	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	54252	5.076	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	42143	5.543	ug/L	100
61) Bromoform	9.77	173	26802	4.504	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	148406	5.104	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	151700	5.080	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	142337	5.003	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	8765	5.467	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	112258	4.695	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	83195	4.589	ug/L	100
69) Naphthalene	13.55	128	130887	4.814	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	79349	4.456	ug/L	100

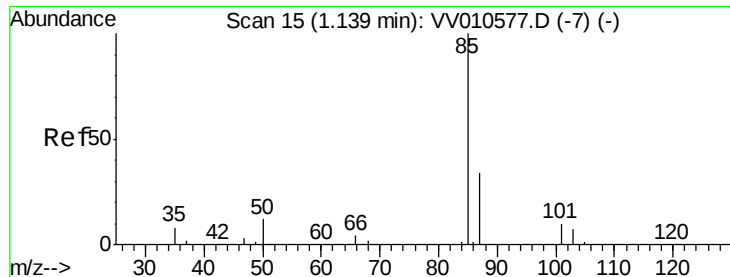
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.671 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

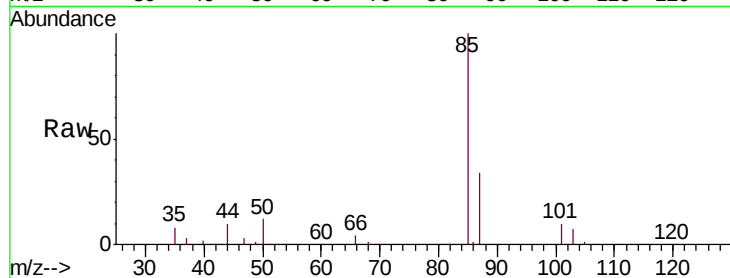
VSTD00537

Tgt Ion: 85 Resp: 89906

Ion Ratio Lower Upper

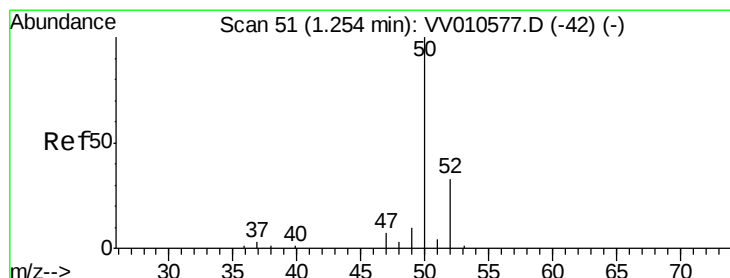
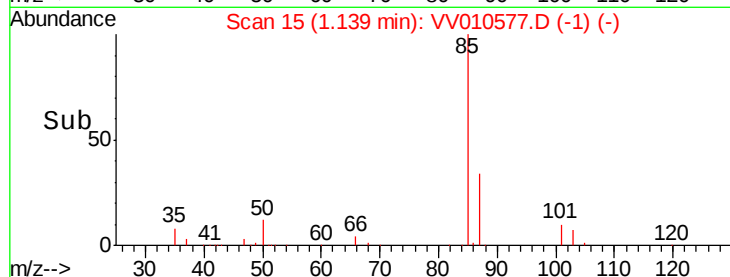
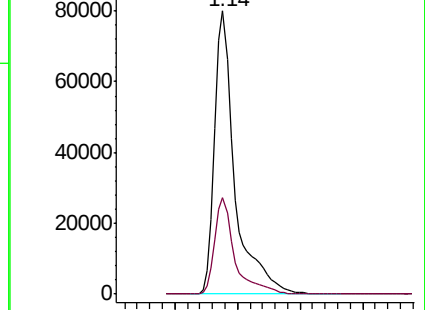
85 100

87 33.7 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VV010577.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV010577.D (-7) (-)



#3

Chloromethane

Concen: 7.583 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010577.D

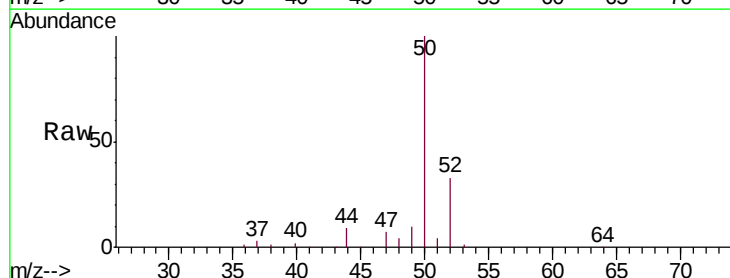
Acq: 30 Apr 2019 16:25

Tgt Ion: 50 Resp: 90657

Ion Ratio Lower Upper

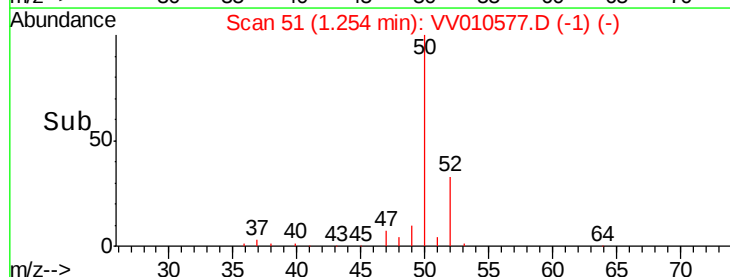
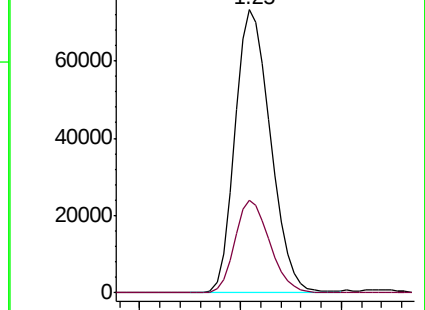
50 100

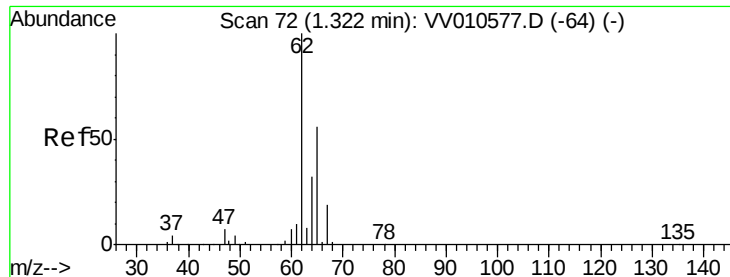
52 32.9 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV010577.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV010577.D (-42) (-)





#5

Vinyl chloride

Concen: 7.088 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

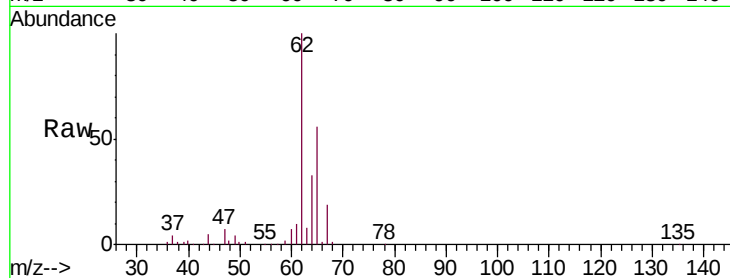
VSTD00537

Tgt Ion: 62 Resp: 84612

Ion Ratio Lower Upper

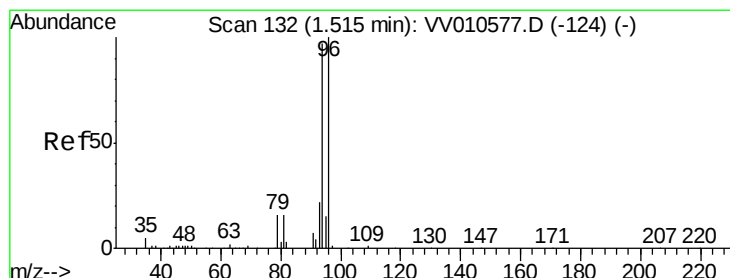
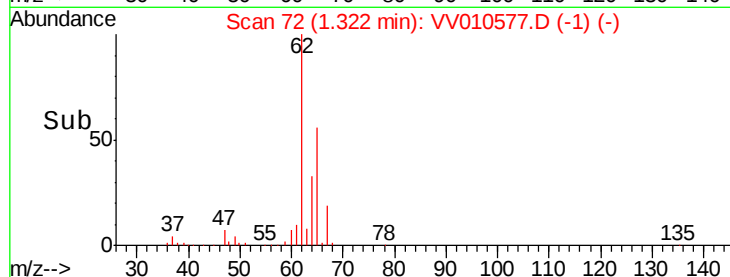
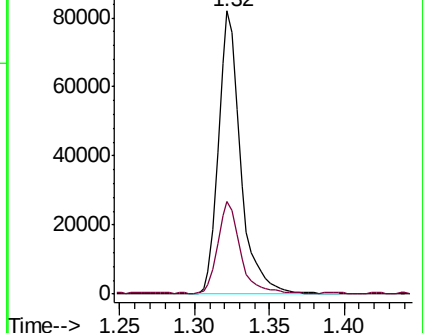
62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV010577.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV010577.D (-64) (-)



#6

Bromomethane

Concen: 6.898 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV010577.D

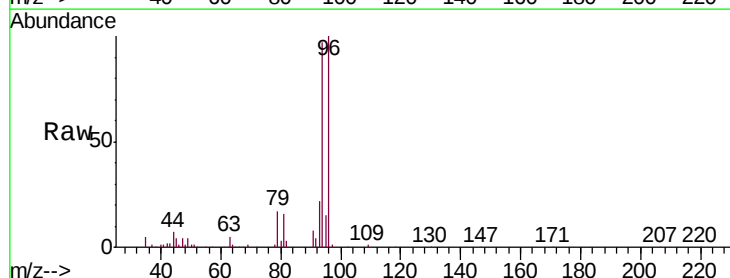
Acq: 30 Apr 2019 16:25

Tgt Ion: 94 Resp: 34019

Ion Ratio Lower Upper

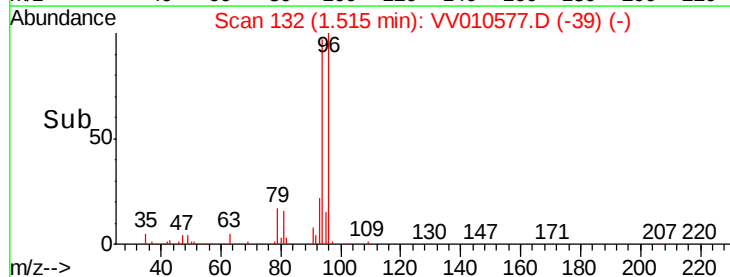
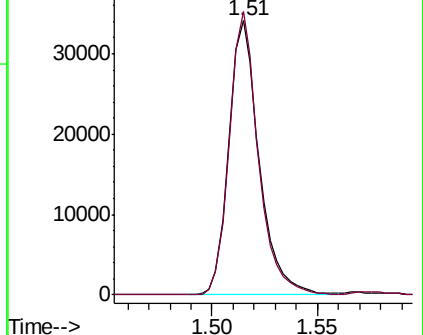
94 100

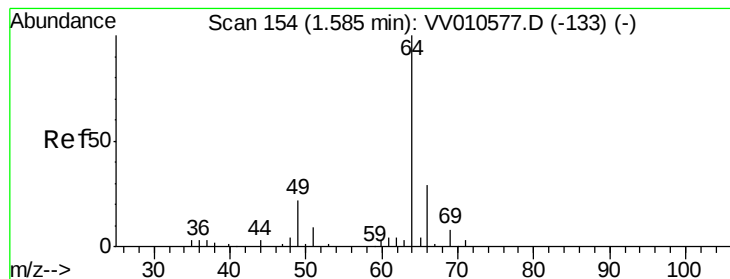
96 103.3 72.3 134.3



Abundance Ion 94.00 (93.70 to 94.70): VV010577.D (-124) (-)

Ion 96.00 (95.70 to 96.70): VV010577.D (-124) (-)





#8

Chloroethane

Concen: 8.476 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

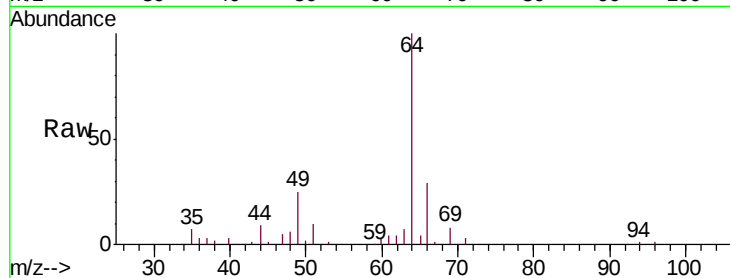
VSTD00537

Tgt Ion: 64 Resp: 45080

Ion Ratio Lower Upper

64 100

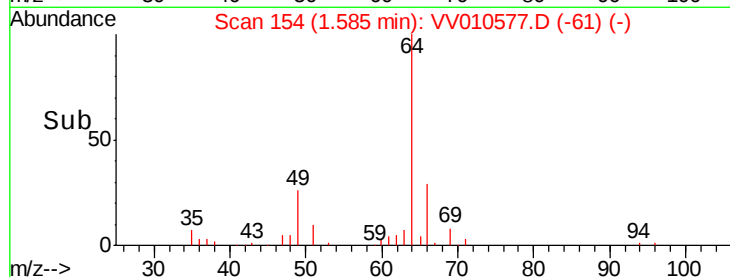
66 29.0 20.3 37.7



Abundance Ion 64.10 (63.80 to 64.80): VV010577.D (-133) (-)

Ion 66.05 (65.75 to 66.75): VV010577.D (-133) (-)

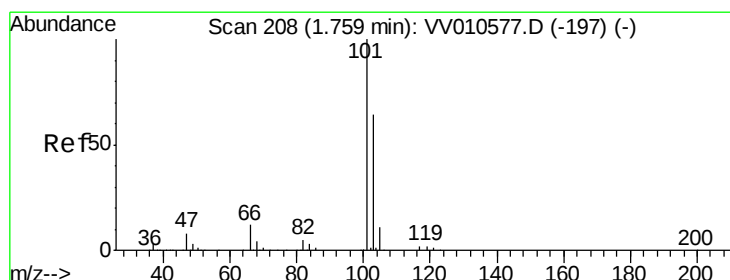
Time-->



Abundance Ion 64.10 (63.80 to 64.80): VV010577.D (-61) (-)

Ion 66.05 (65.75 to 66.75): VV010577.D (-61) (-)

Time-->



#9

Trichlorofluoromethane

Concen: 6.042 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV010577.D

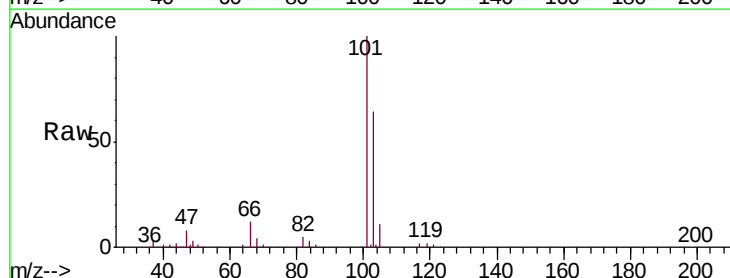
Acq: 30 Apr 2019 16:25

Tgt Ion: 101 Resp: 132905

Ion Ratio Lower Upper

101 100

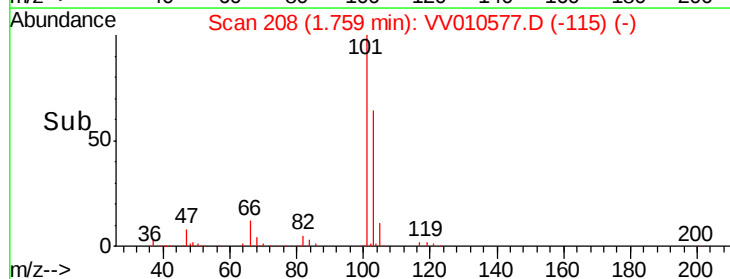
103 65.3 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VV010577.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV010577.D (-197) (-)

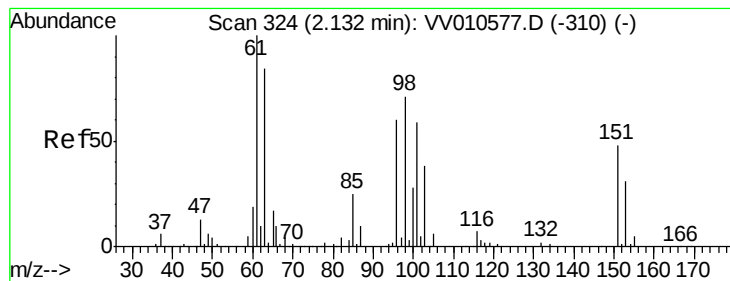
Time-->



Abundance Ion 101.00 (100.70 to 101.70): VV010577.D (-115) (-)

Ion 103.00 (102.70 to 103.70): VV010577.D (-115) (-)

Time-->



#10

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

Concen: 6.183 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

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MSVOA_V

ClientSampleId :

VSTD00537

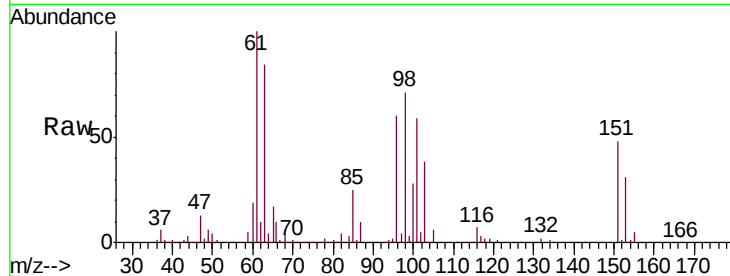
Tgt Ion: 101 Resp: 67867

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

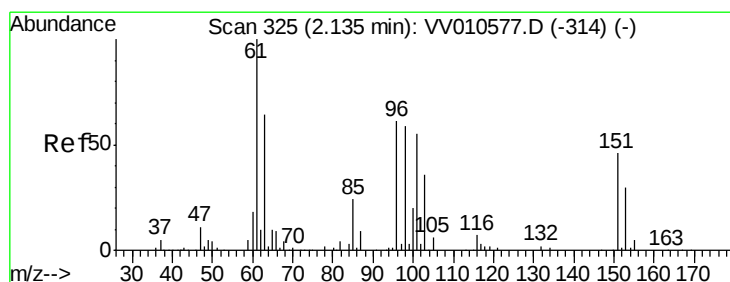
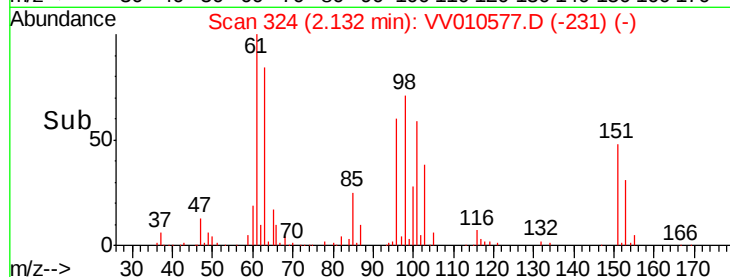
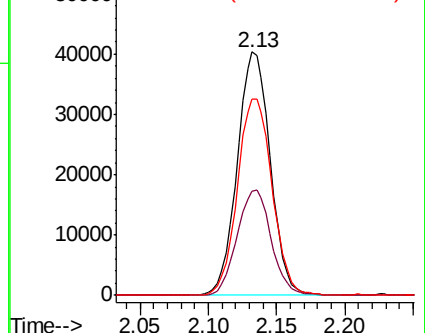
151 84.9 67.9 101.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 6.176 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

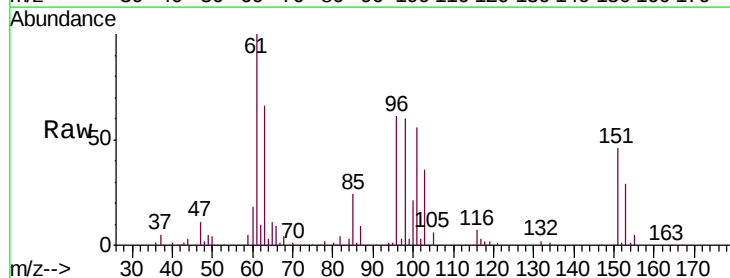
Tgt Ion: 96 Resp: 60525

Ion Ratio Lower Upper

96 100

61 165.2 115.6 214.8

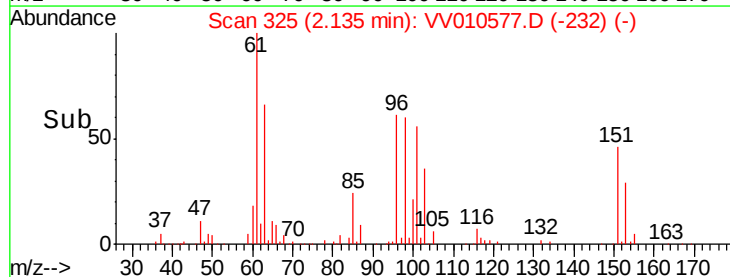
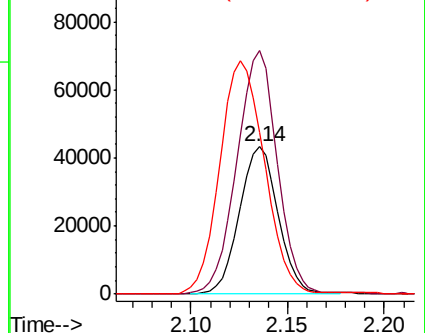
63 109.5 76.6 142.3

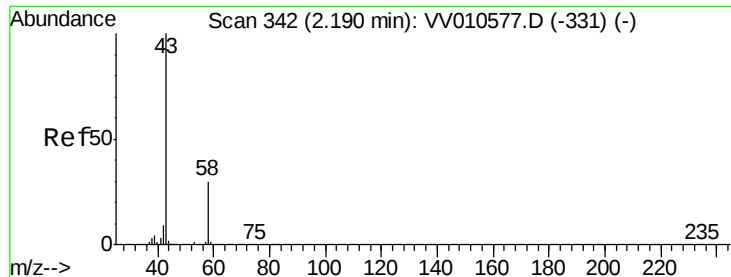


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 63.752 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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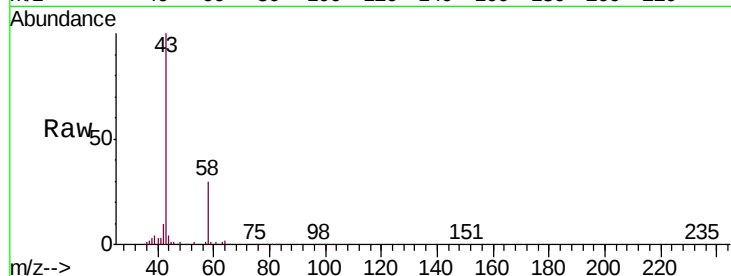
VSTD00537

Tgt Ion: 43 Resp: 80809

Ion Ratio Lower Upper

43 100

58 29.9 0.0 59.8



Abundance Ion 43.05 (42.75 to 43.75): VV010577.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV010577.D (-331) (-)

2.19

60000

50000

40000

30000

20000

10000

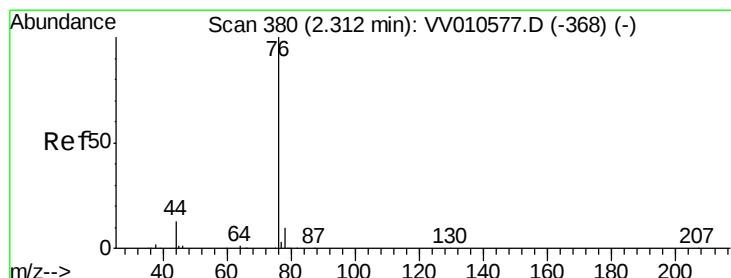
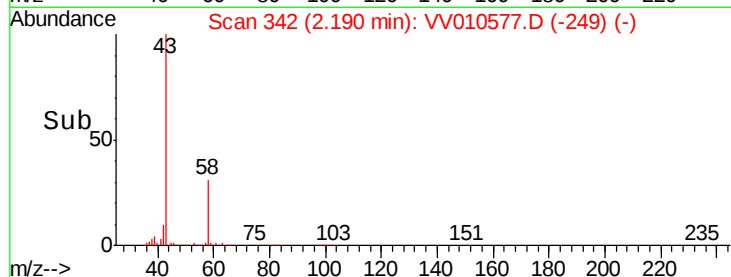
0

2.15

2.20

2.25

Time-->



#14

Carbon disulfide

Concen: 6.609 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010577.D

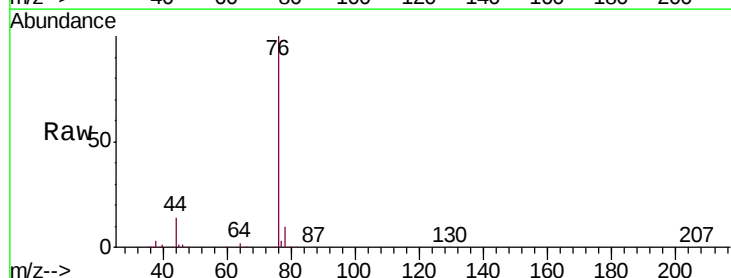
Acq: 30 Apr 2019 16:25

Tgt Ion: 76 Resp: 167563

Ion Ratio Lower Upper

76 100

78 10.3 8.2 12.4



Abundance Ion 76.05 (75.75 to 76.75): VV010577.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV010577.D (-368) (-)

2.31

120000

100000

80000

60000

40000

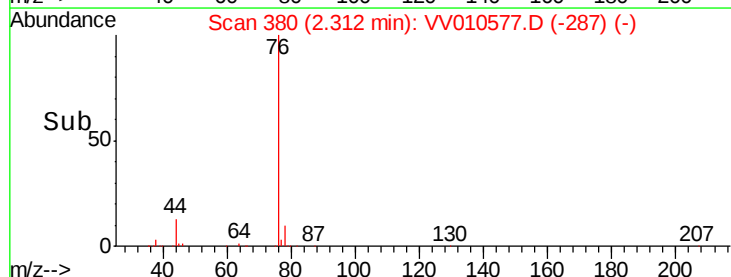
20000

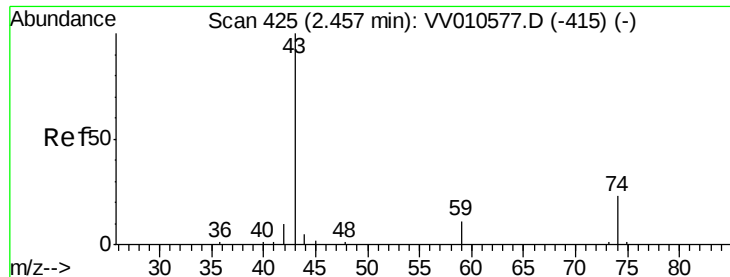
0

2.30

2.40

Time-->





#15

Methyl Acetate

Concen: 5.829 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

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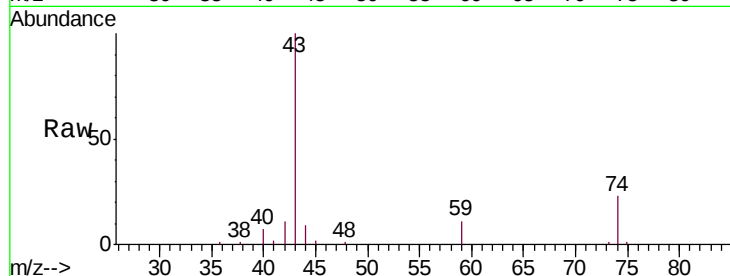
VSTD00537

Tgt Ion: 43 Resp: 24608

Ion Ratio Lower Upper

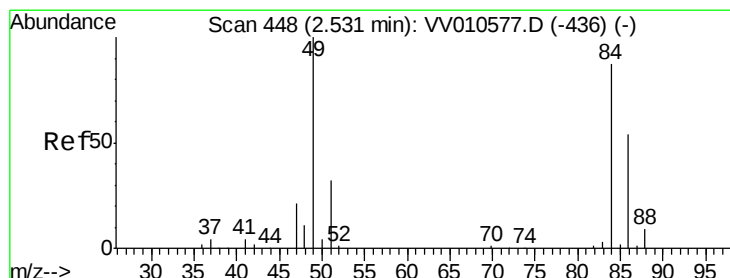
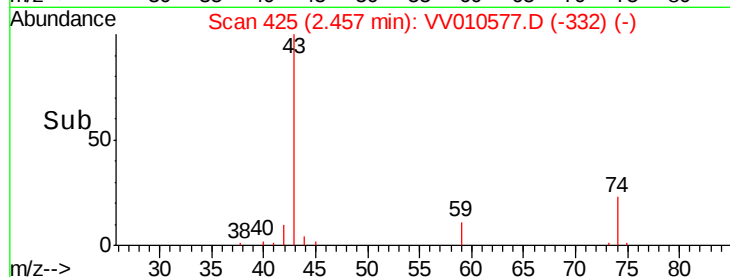
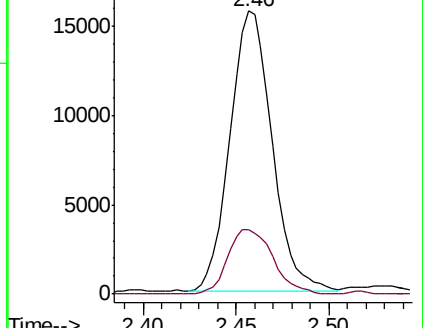
43 100

74 24.8 19.8 29.8



Abundance Ion 43.05 (42.75 to 43.75): VV010577.D (-415) (-)

Ion 74.05 (73.75 to 74.75): VV010577.D (-415) (-)



#16

Methylene chloride

Concen: 4.947 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

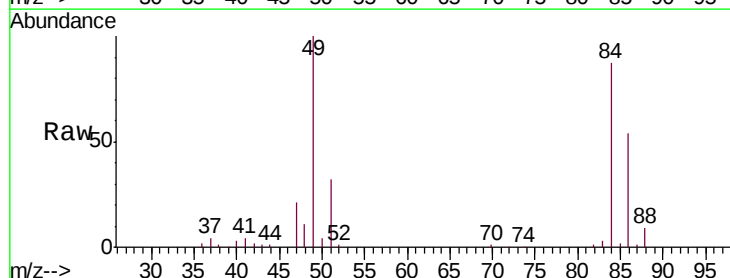
Tgt Ion: 84 Resp: 69769

Ion Ratio Lower Upper

84 100

86 61.8 43.3 80.3

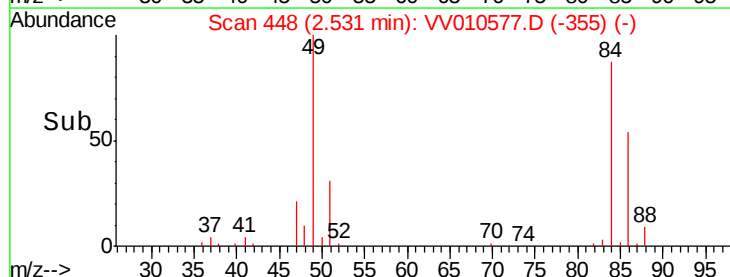
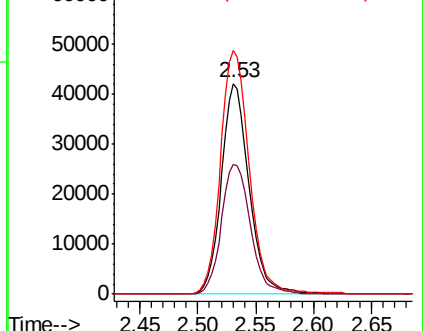
49 115.6 80.9 150.3

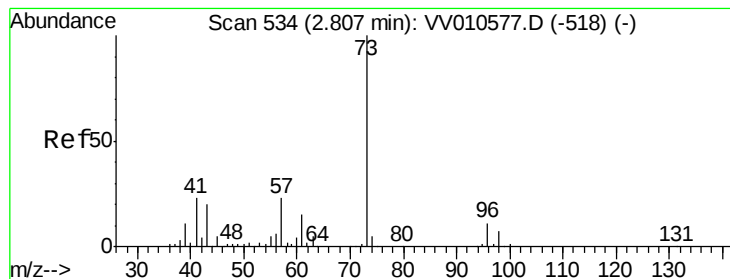


Abundance Ion 84.05 (83.75 to 84.75): VV010577.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV010577.D (-436) (-)

Ion 49.10 (48.80 to 49.80): VV010577.D (-436) (-)





#17

Methyl tert-butyl Ether

Concen: 5.086 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

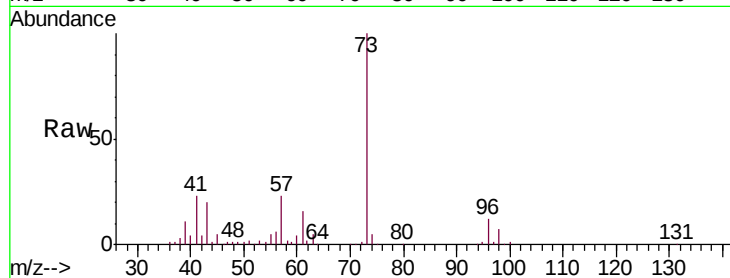
Tgt Ion: 73 Resp: 136193

Ion Ratio Lower Upper

73 100

43 20.6 16.5 24.7

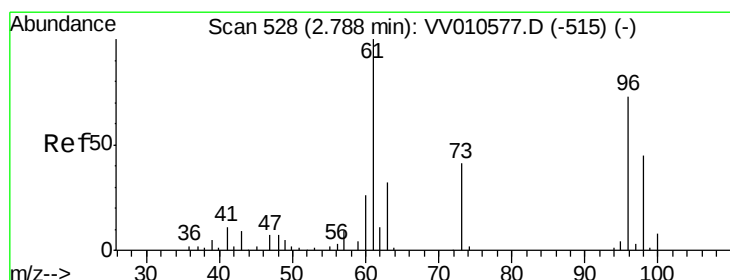
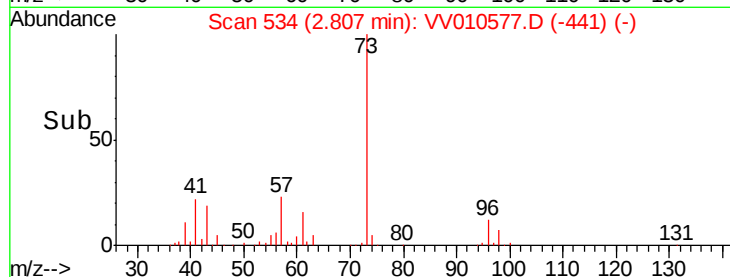
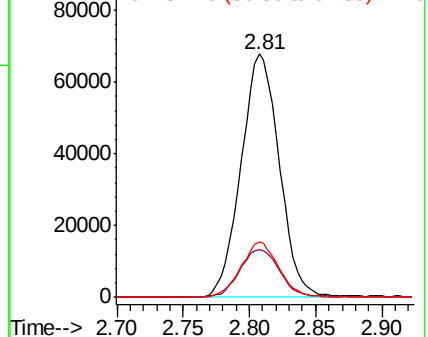
57 22.5 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.032 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

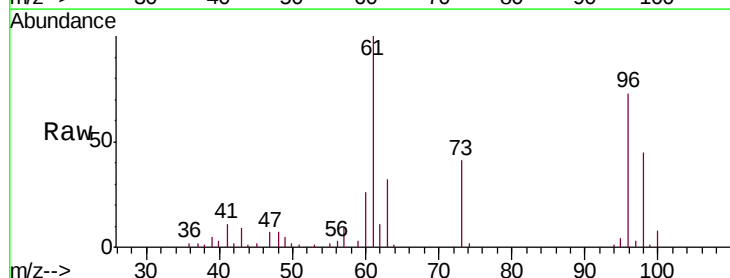
Tgt Ion: 96 Resp: 66302

Ion Ratio Lower Upper

96 100

61 137.3 96.1 178.5

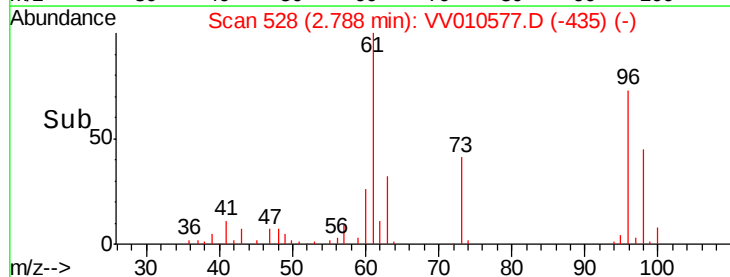
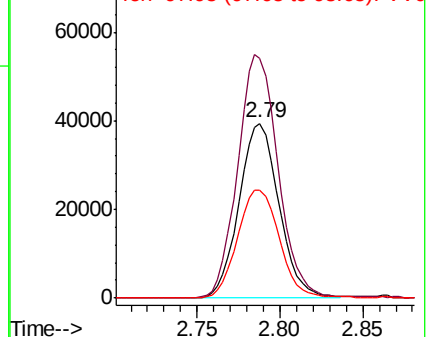
98 61.8 43.3 80.3

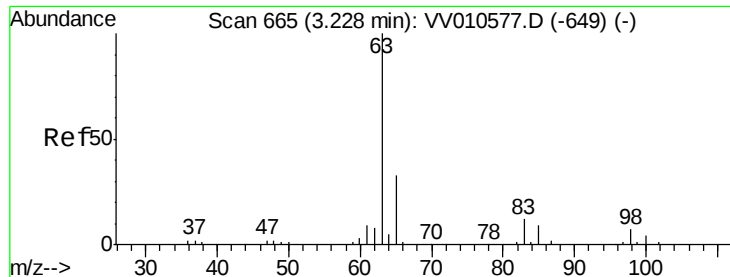


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

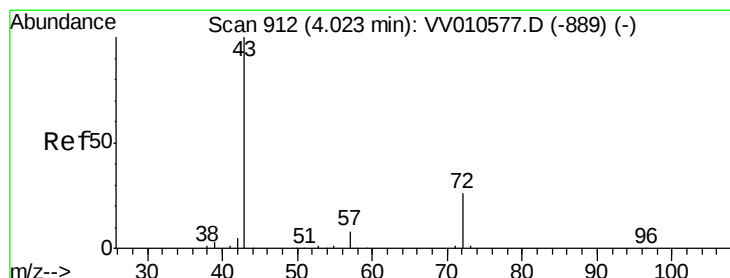
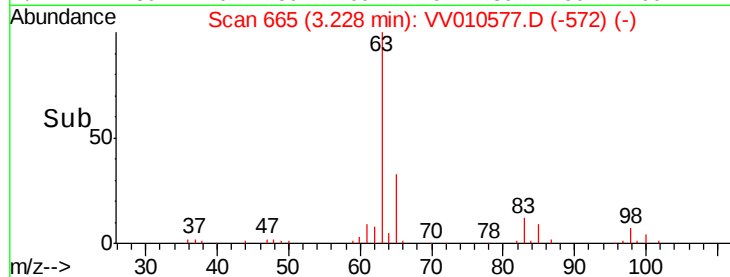
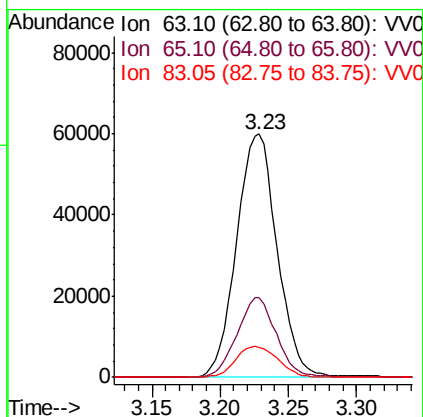
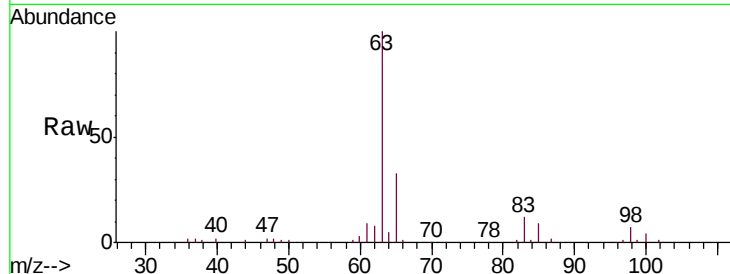




#19
 1,1-Dichloroethane
 Concen: 5.555 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

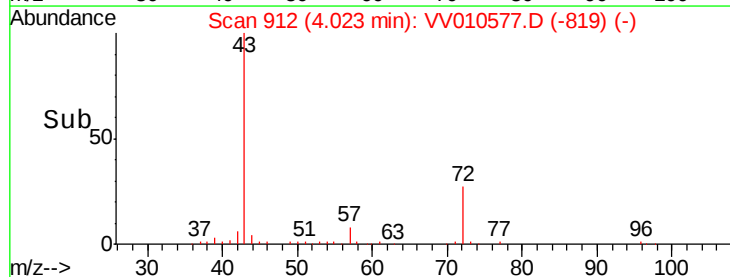
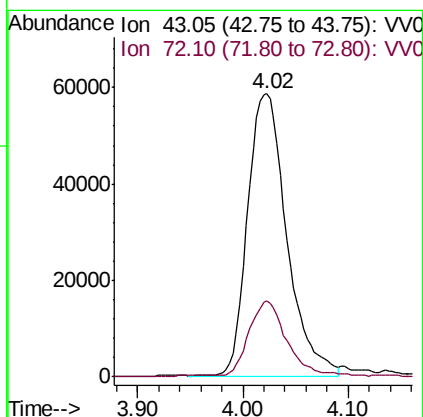
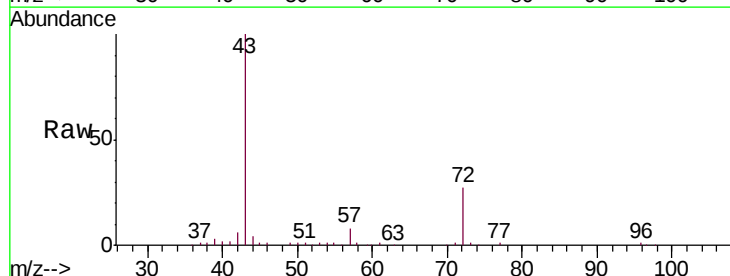
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

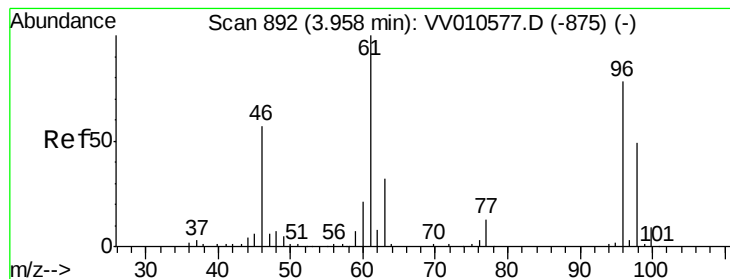
Tgt Ion: 63 Resp: 123761
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.9 42.5
 83 12.3 8.6 16.0



#21
 2-Butanone
 Concen: 59.086 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Tgt Ion: 43 Resp: 151063
 Ion Ratio Lower Upper
 43 100
 72 25.0 12.5 37.5



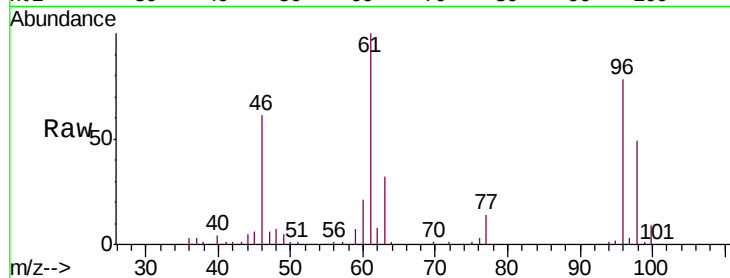


#22

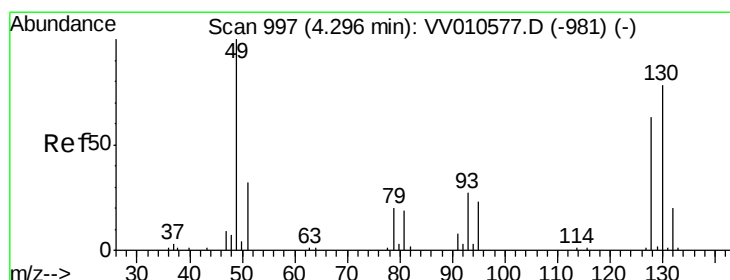
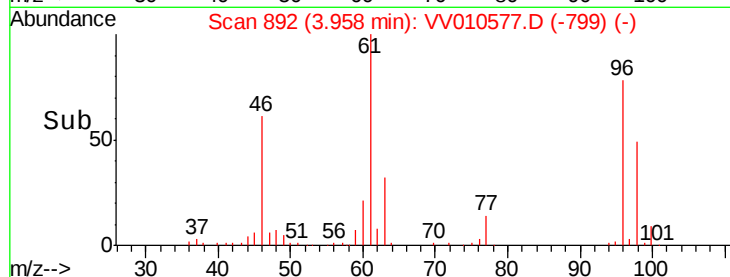
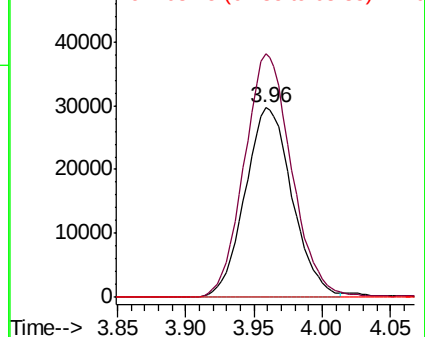
cis-1,2-Dichloroethene
 Concen: 4.960 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion: 96 Resp: 71122
 Ion Ratio Lower Upper
 96 100
 61 128.6 90.0 167.2
 68 0.0 0.0 0.0



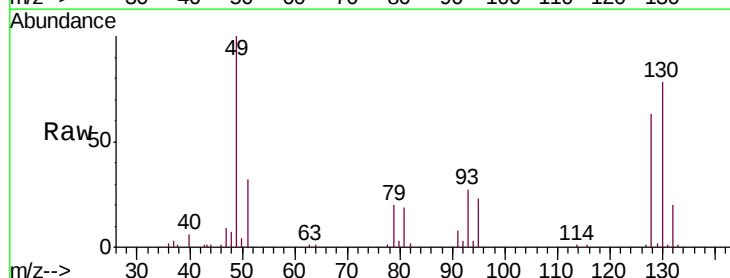
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



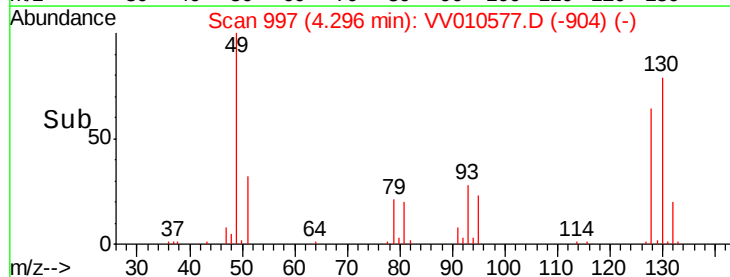
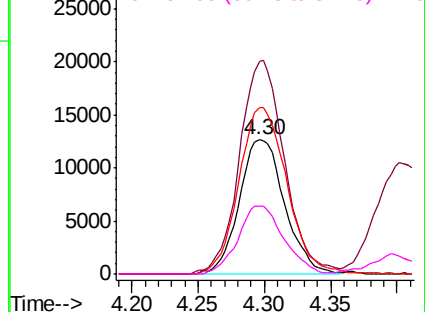
#23

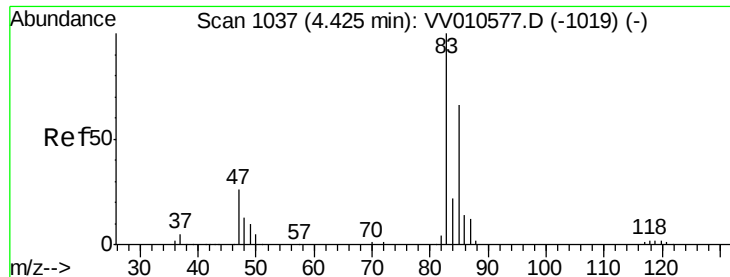
Bromochloromethane
 Concen: 4.605 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Tgt Ion: 128 Resp: 30082
 Ion Ratio Lower Upper
 128 100
 49 158.6 111.0 206.2
 130 124.4 87.1 161.7
 51 50.9 40.7 61.1



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

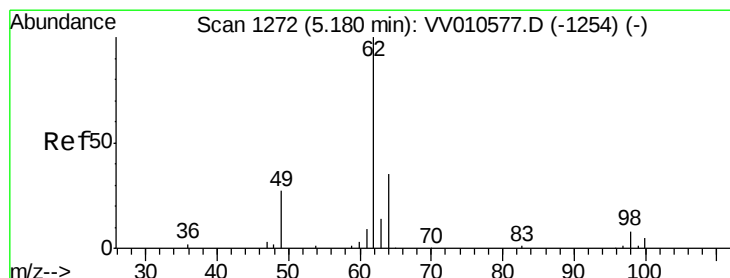
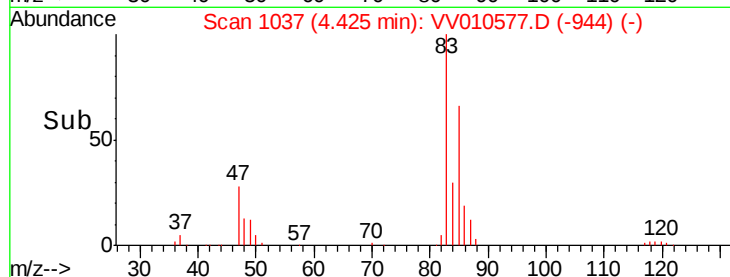
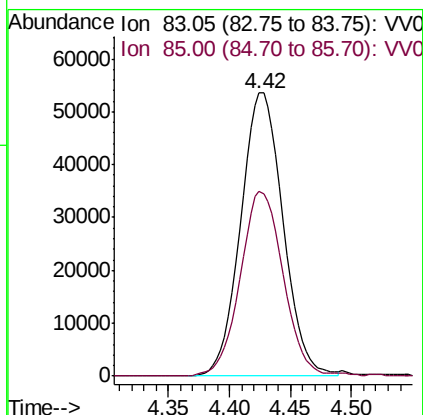
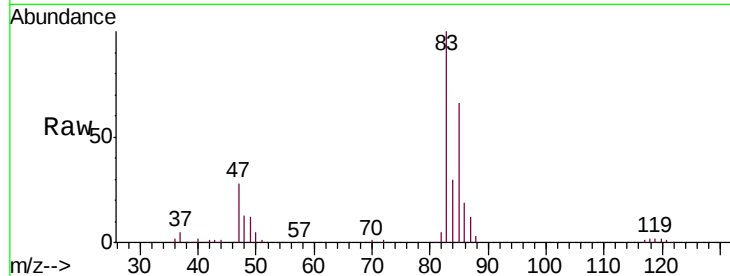




#25
Chloroform
Concen: 5.174 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010577.D
Acq: 30 Apr 2019 16:25

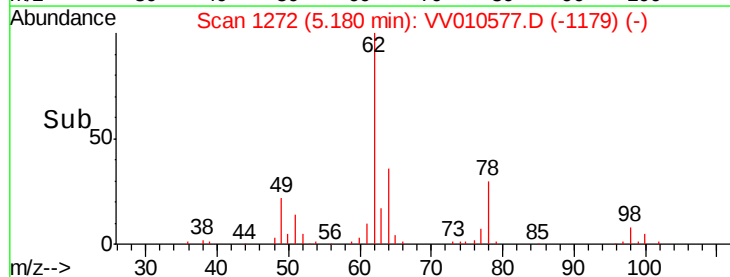
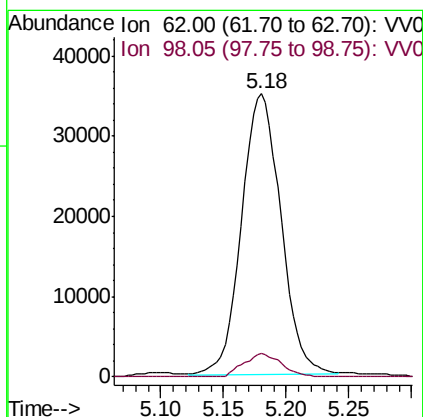
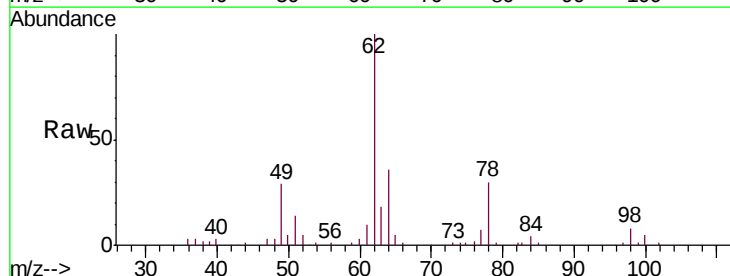
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

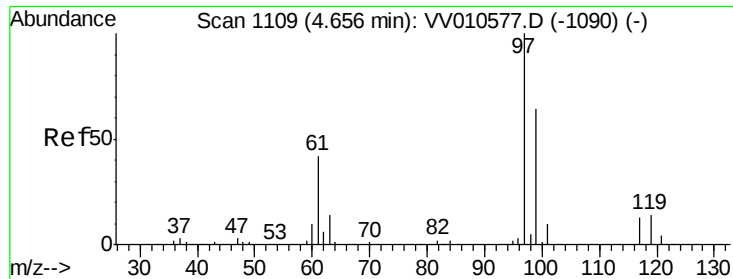
Tgt Ion: 83 Resp: 128689
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 5.390 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010577.D
Acq: 30 Apr 2019 16:25

Tgt Ion: 62 Resp: 76918
Ion Ratio Lower Upper
62 100
98 8.1 6.5 9.7

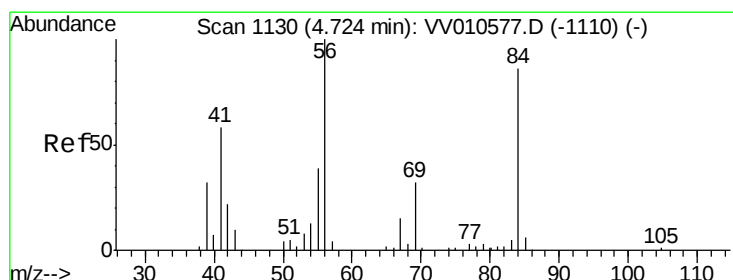
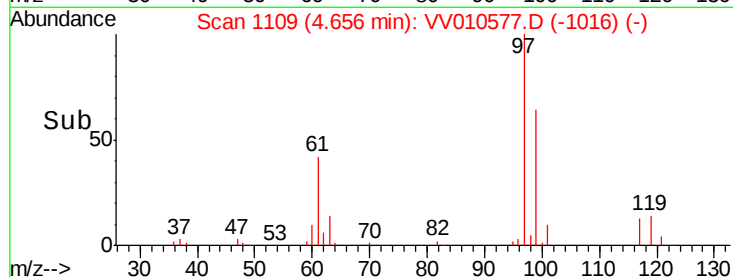
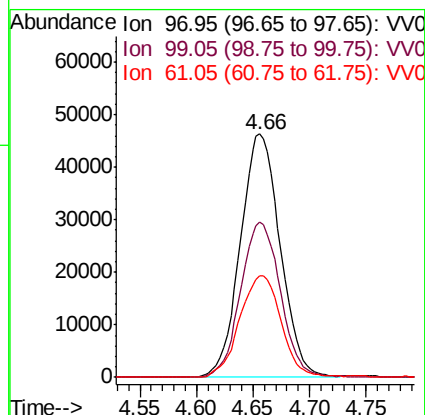
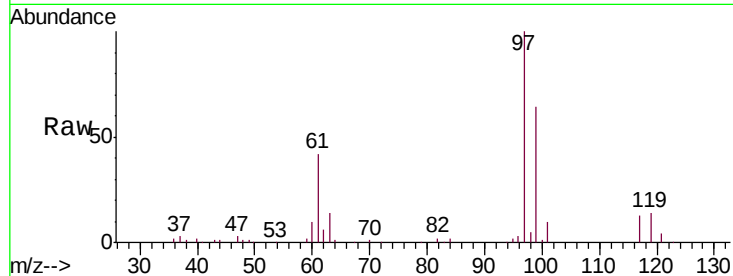




#29
 1,1,1-Trichloroethane
 Concen: 4.939 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

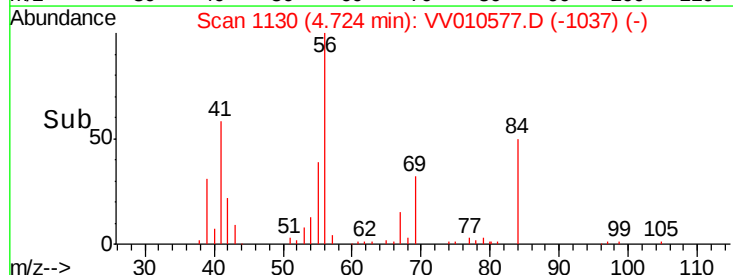
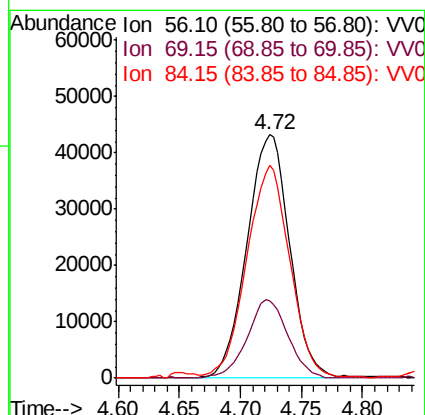
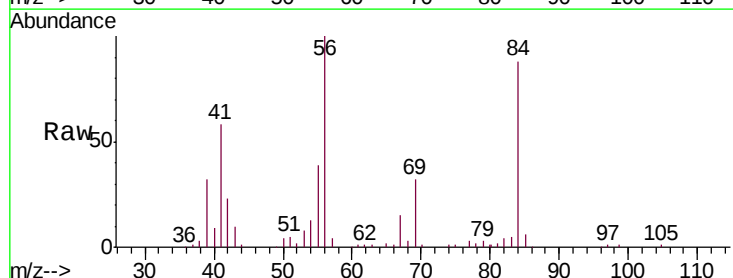
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

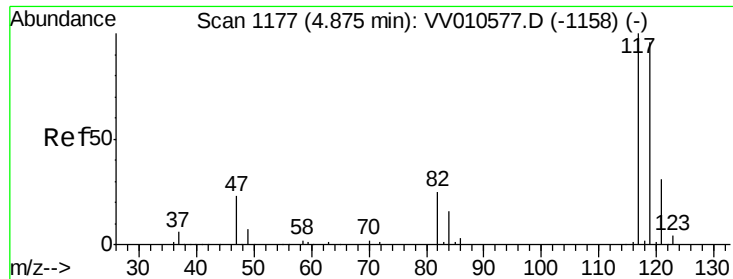
Tgt Ion: 97 Resp: 113420
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.6
 61 43.4 34.7 52.1



#30
 Cyclohexane
 Concen: 6.017 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Tgt Ion: 56 Resp: 104826
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.5 36.7
 84 87.8 70.2 105.4

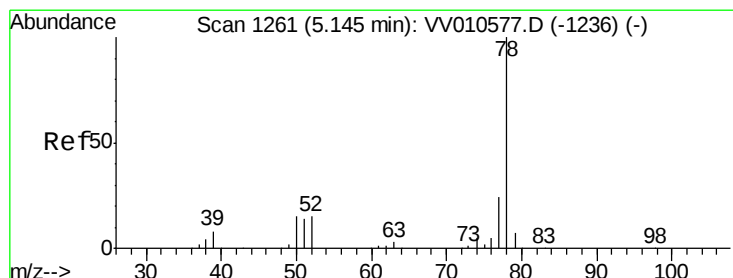
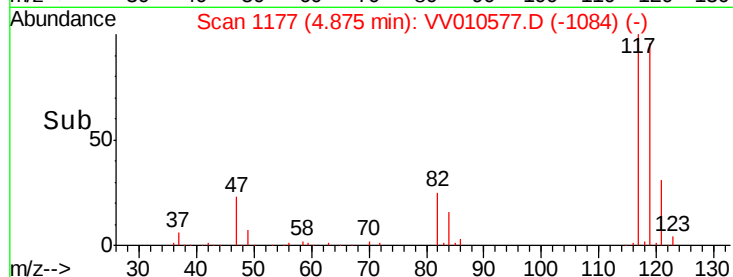
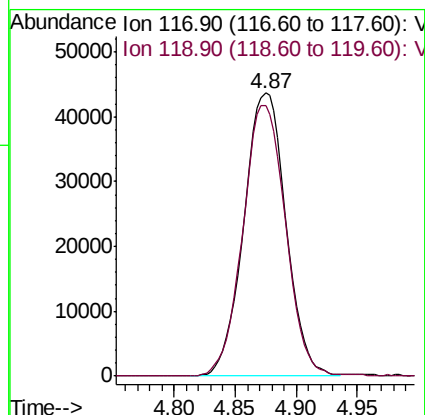
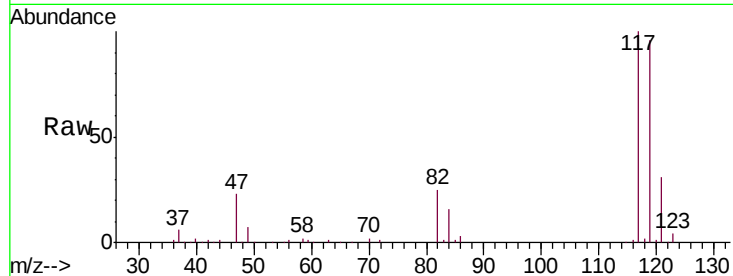




#31
Carbon tetrachloride
Concen: 4.797 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV010577.D
Acq: 30 Apr 2019 16:25

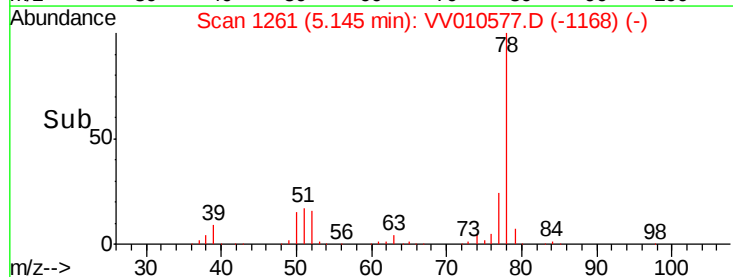
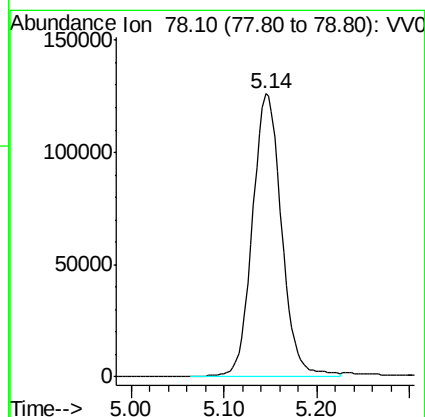
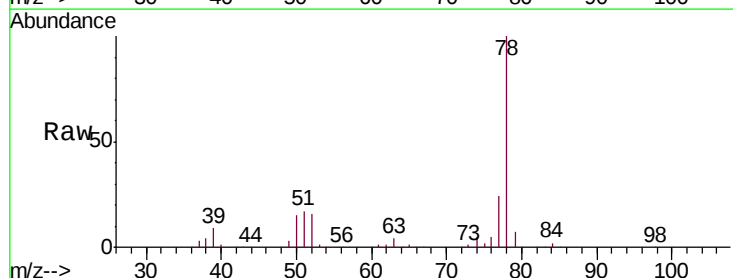
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

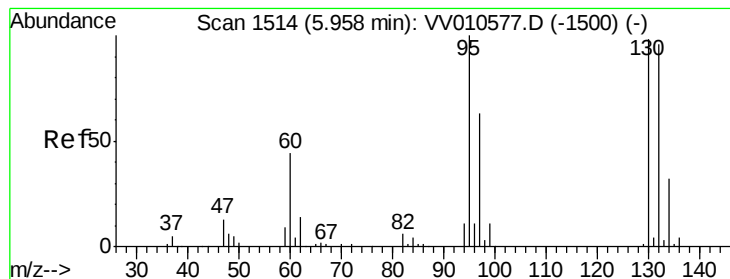
Tgt Ion:117 Resp: 104284
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 5.380 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV010577.D
Acq: 30 Apr 2019 16:25

Tgt Ion: 78 Resp: 277028





#34

Trichloroethene

Concen: 5.114 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

Tgt Ion: 95 Resp: 76183

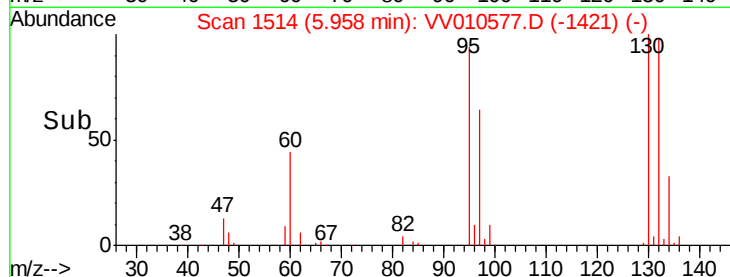
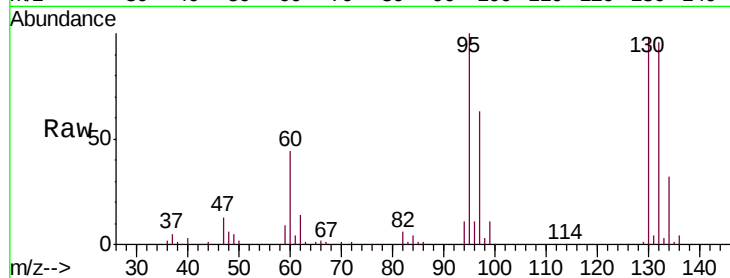
Ion Ratio Lower Upper

95 100

97 63.3 44.3 82.3

132 95.9 67.1 124.7

130 98.1 68.7 127.5

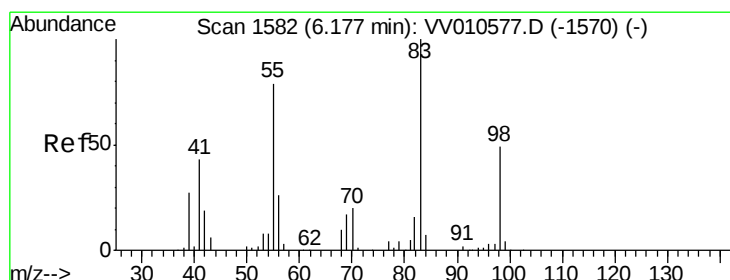
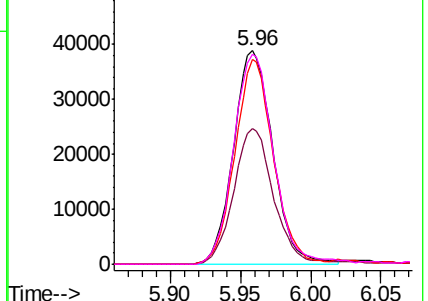


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.452 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

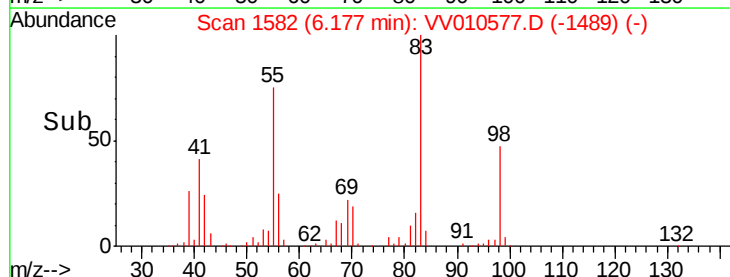
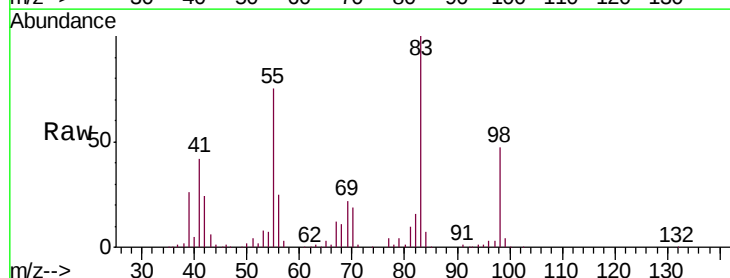
Tgt Ion: 83 Resp: 107510

Ion Ratio Lower Upper

83 100

55 78.3 62.6 94.0

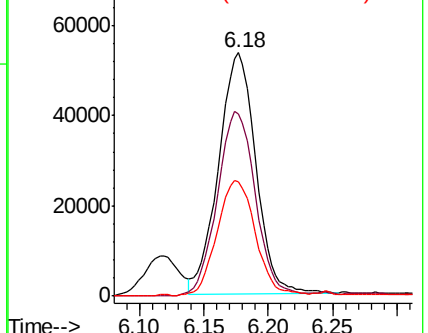
98 48.5 38.8 58.2

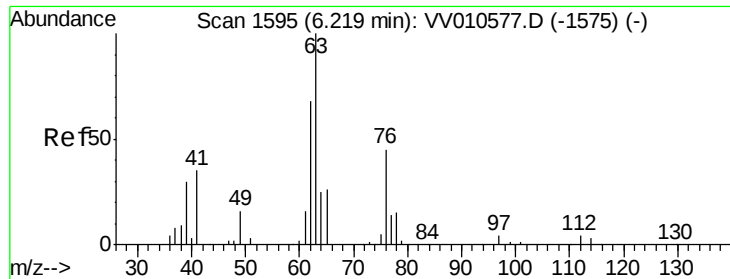


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

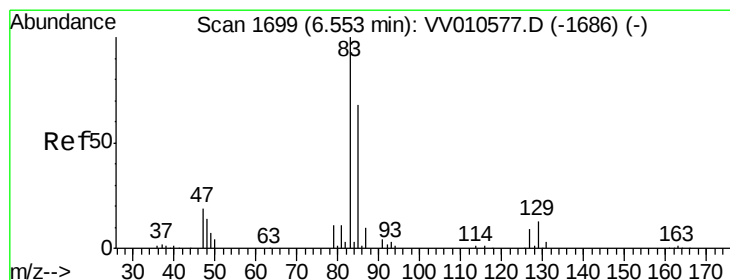
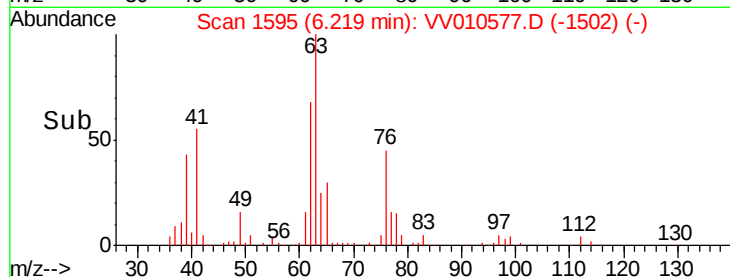
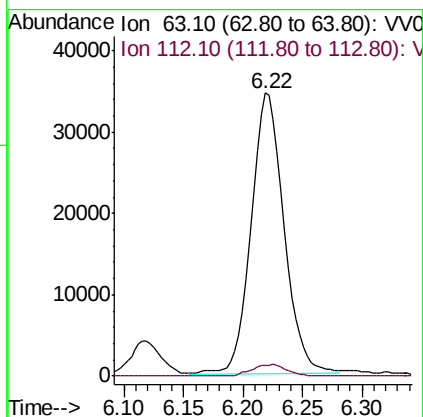
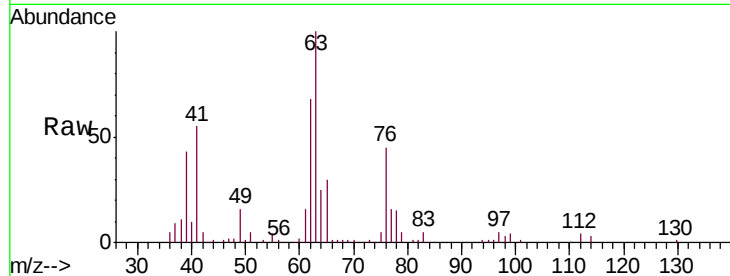




#37
 1,2-Dichloropropane
 Concen: 5.540 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

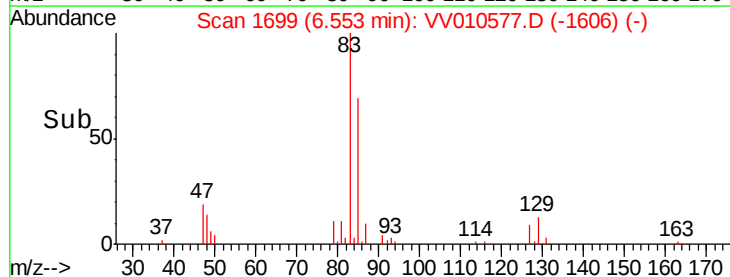
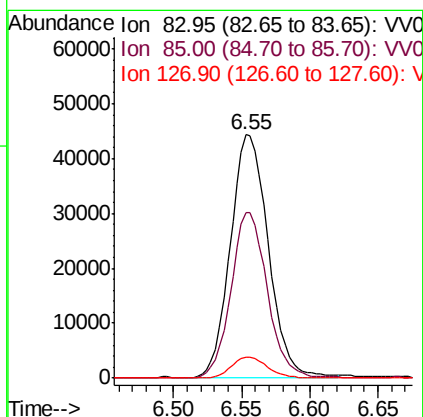
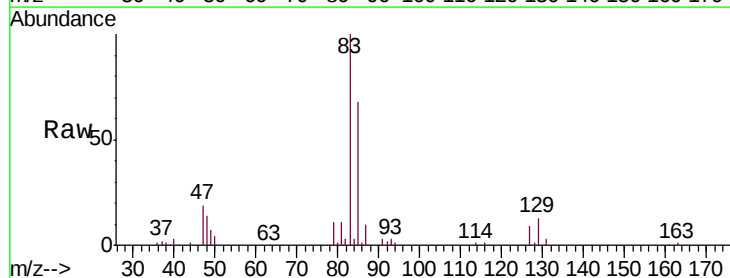
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

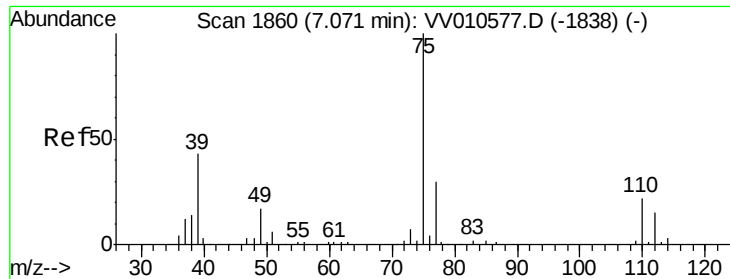
Tgt Ion: 63 Resp: 65891
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.082 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Tgt Ion: 83 Resp: 86015
 Ion Ratio Lower Upper
 83 100
 85 68.2 47.7 88.7
 127 8.6 6.9 10.3

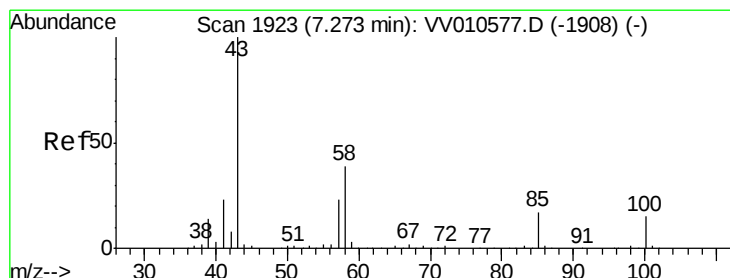
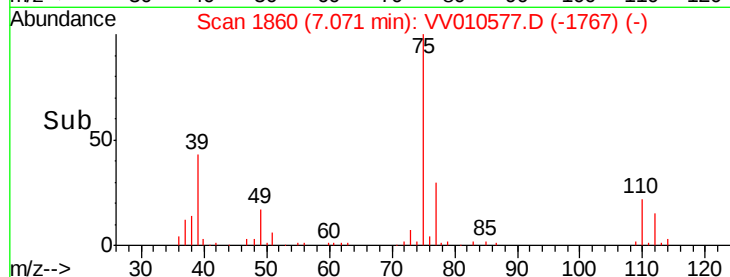
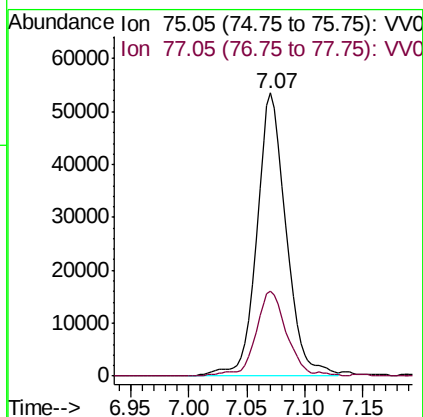
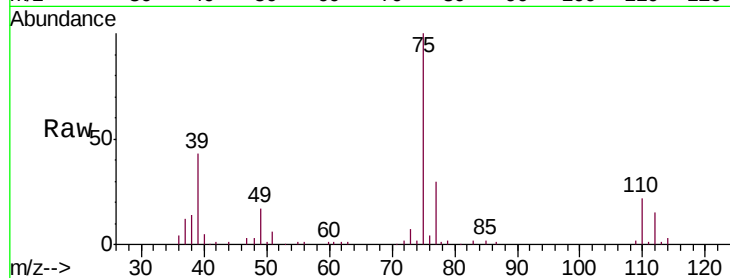




#39
 cis-1,3-Dichloropropene
 Concen: 5.495 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

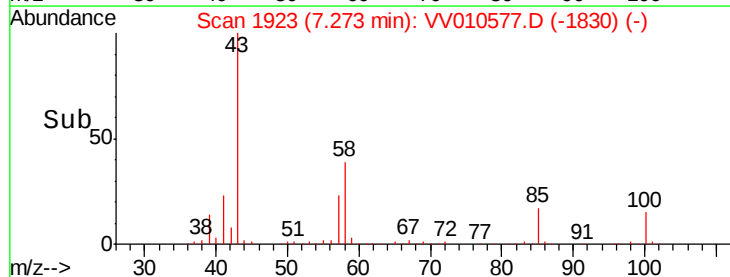
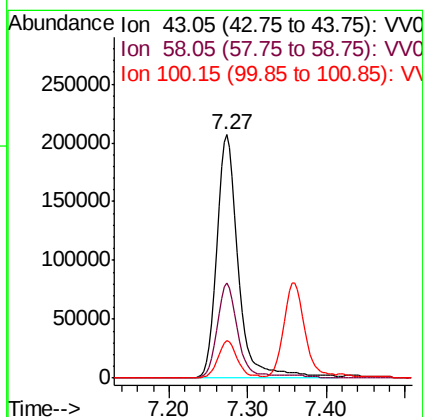
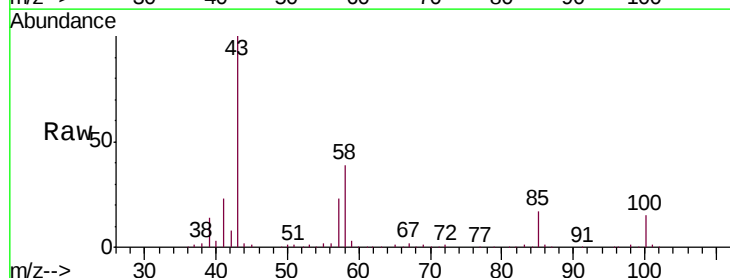
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

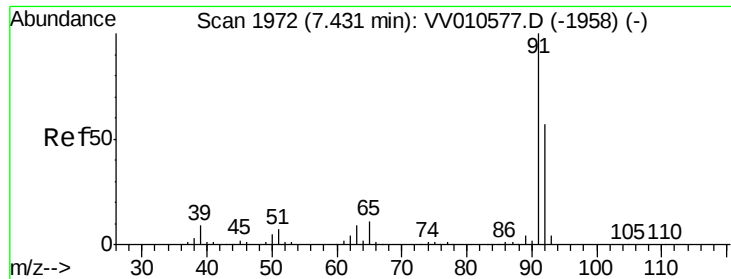
Tgt Ion: 75 Resp: 94515
 Ion Ratio Lower Upper
 75 100
 77 29.8 20.9 38.7



#40
 4-Methyl-2-pentanone
 Concen: 61.013 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Tgt Ion: 43 Resp: 390540
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.2 45.4
 100 14.1 11.3 16.9





#42

Toluene

Concen: 5.476 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

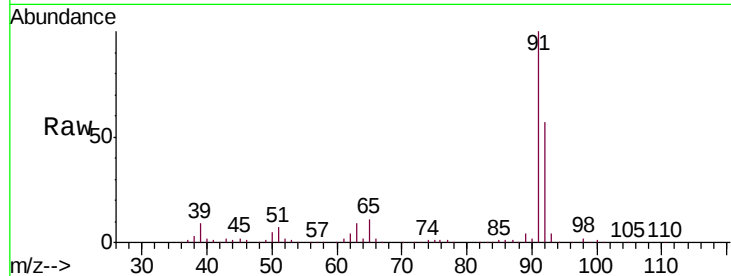
VSTD00537

Tgt Ion: 91 Resp: 307795

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

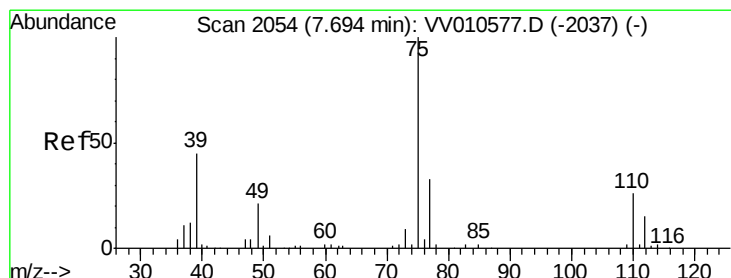
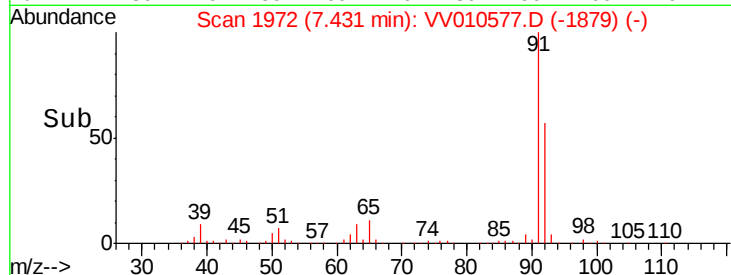
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.444 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010577.D

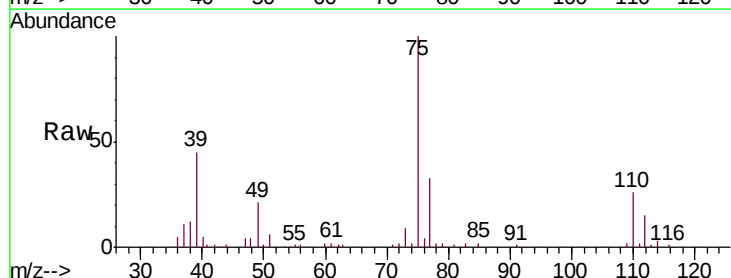
Acq: 30 Apr 2019 16:25

Tgt Ion: 75 Resp: 73294

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

40000

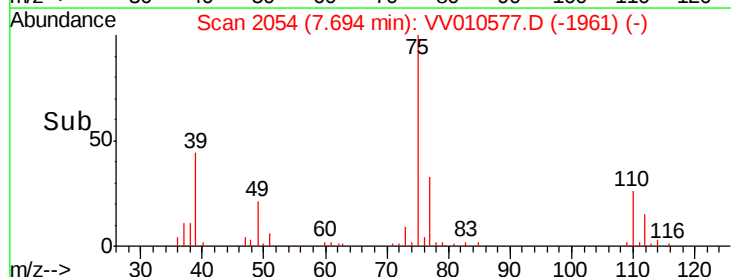
30000

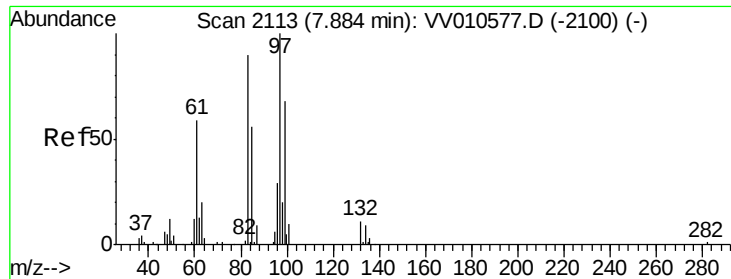
20000

10000

0

Time-->

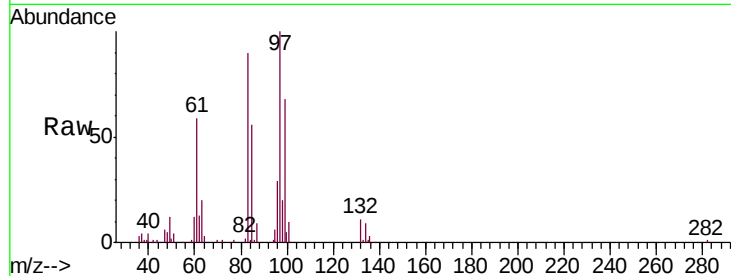




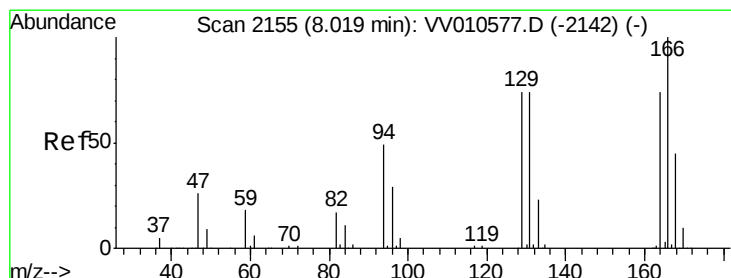
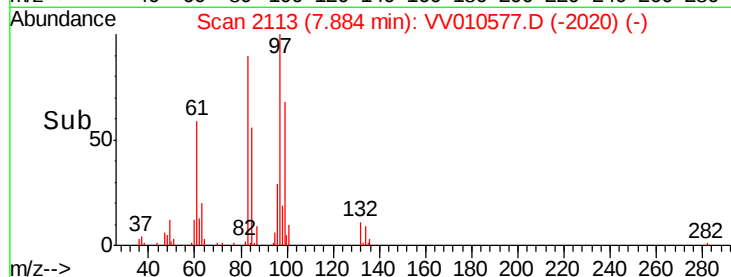
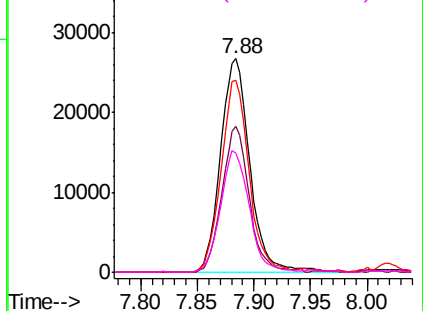
#45
 1,1,2-Trichloroethane
 Concen: 4.905 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion:	97	Resp:	48243
Ion	Ratio	Lower	Upper
97	100		
99	68.5	47.9	89.1
83	89.9	62.9	116.9
85	55.5	38.9	72.2

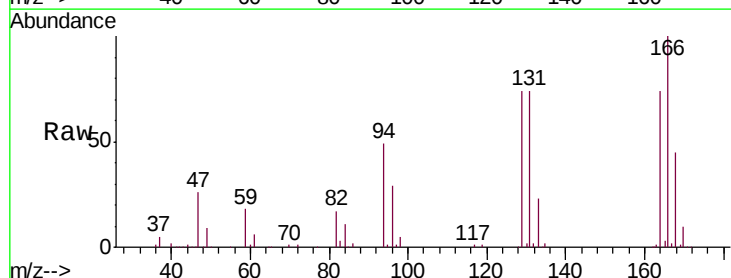


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

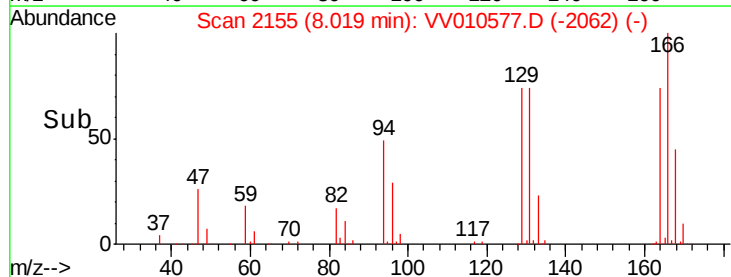
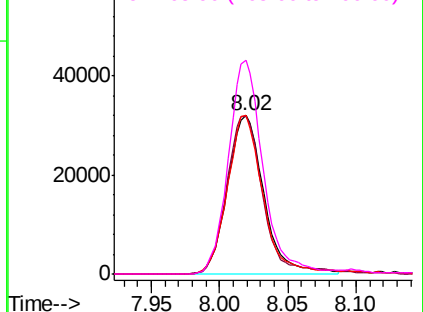


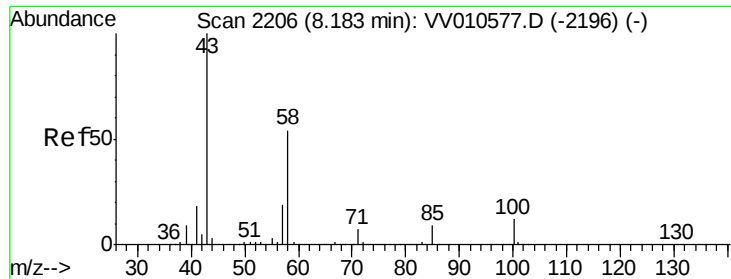
#47
 Tetrachloroethene
 Concen: 4.426 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Tgt Ion:	164	Resp:	59389
Ion	Ratio	Lower	Upper
164	100		
129	99.7	69.8	129.6
131	100.3	70.2	130.4
166	134.7	94.3	175.1



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

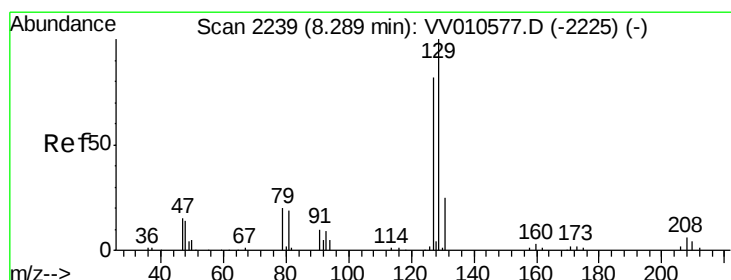
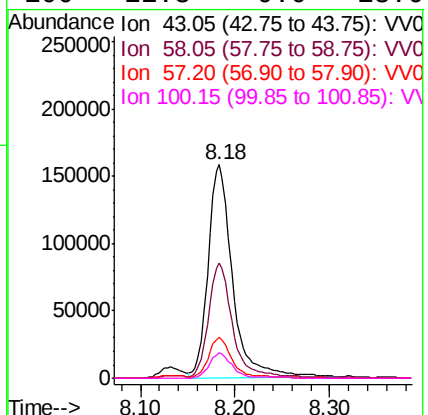
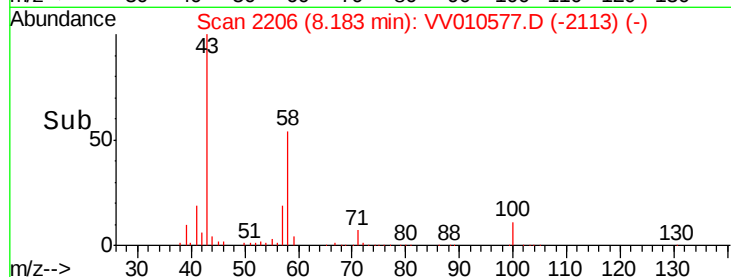
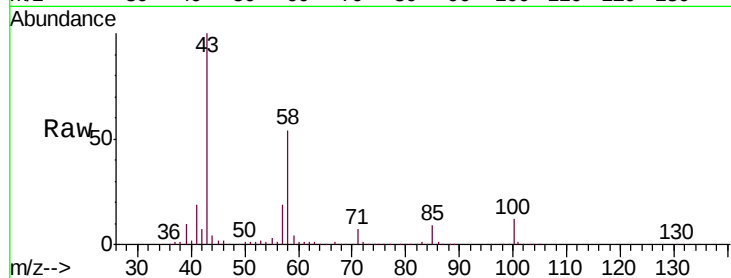




#48
2-Hexanone
Concen: 62.962 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010577.D
Acq: 30 Apr 2019 16:25

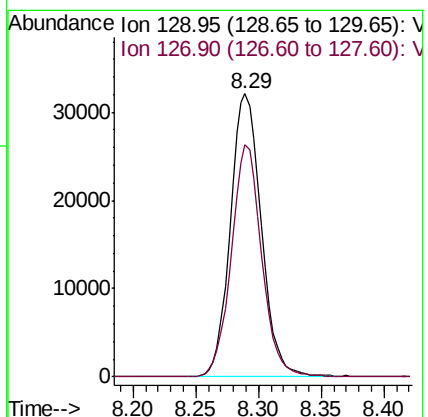
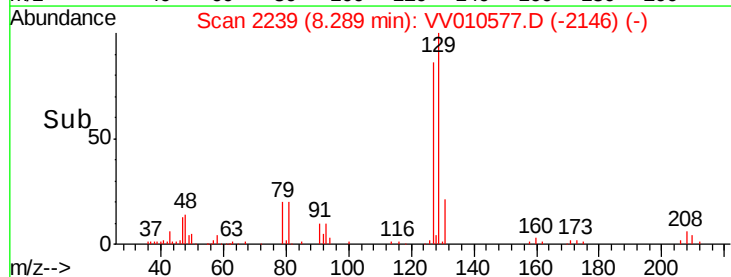
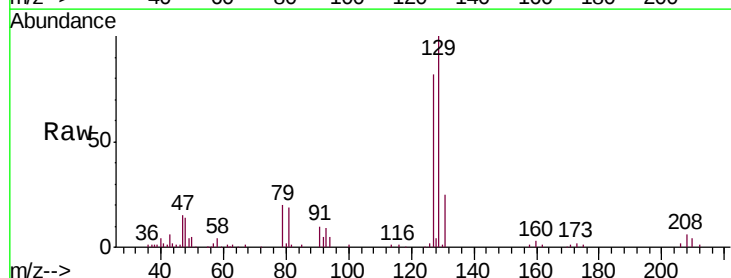
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

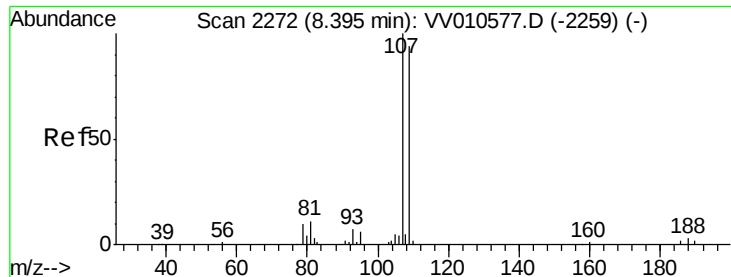
Tgt Ion: 43 Resp: 281776
Ion Ratio Lower Upper
43 100
58 52.8 42.2 63.4
57 18.0 14.4 21.6
100 11.3 9.0 13.6



#49
Dibromochloromethane
Concen: 4.648 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010577.D
Acq: 30 Apr 2019 16:25

Tgt Ion: 129 Resp: 55008
Ion Ratio Lower Upper
129 100
127 82.1 57.5 106.7

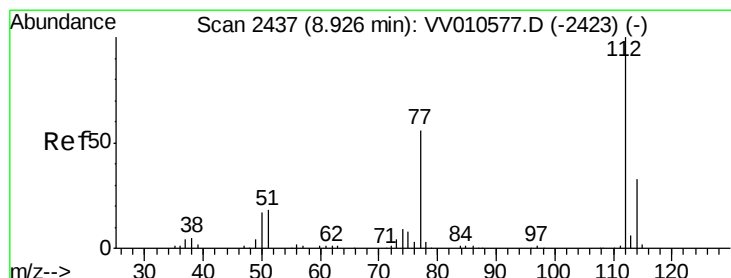
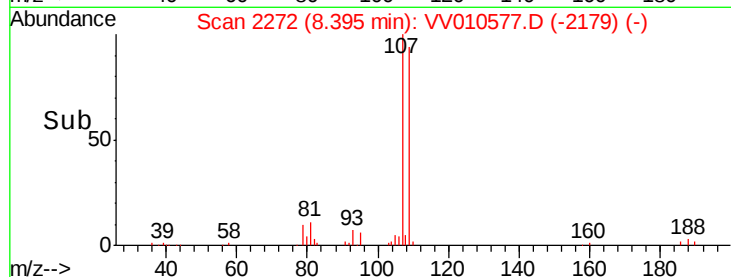
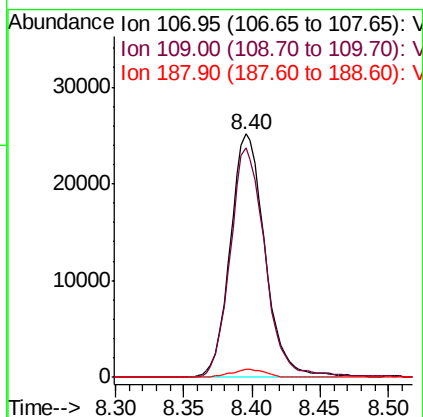
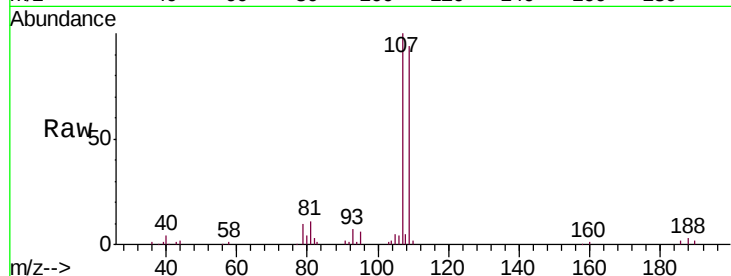




#50
1,2-Dibromoethane
Concen: 4.933 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV010577.D
Acq: 30 Apr 2019 16:25

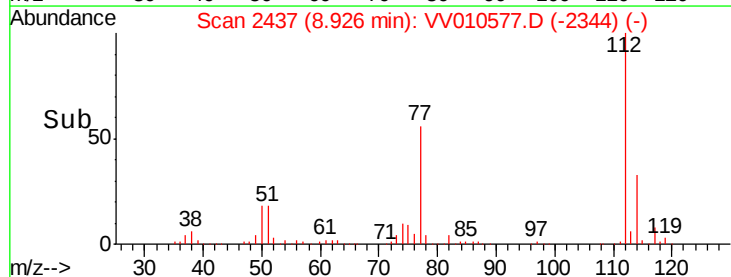
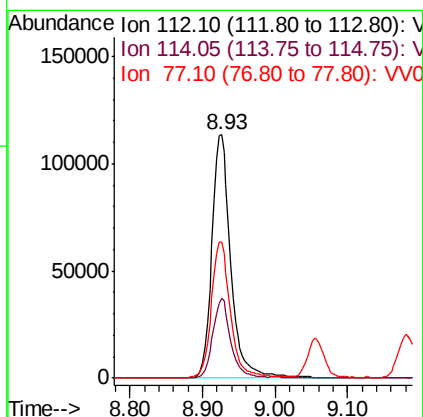
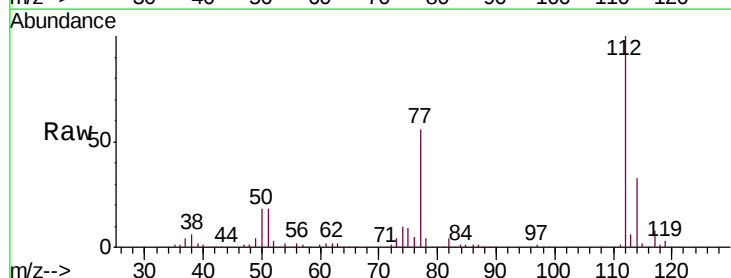
Instrument :
MSVOA_V
ClientSampleId :
VSTD00537

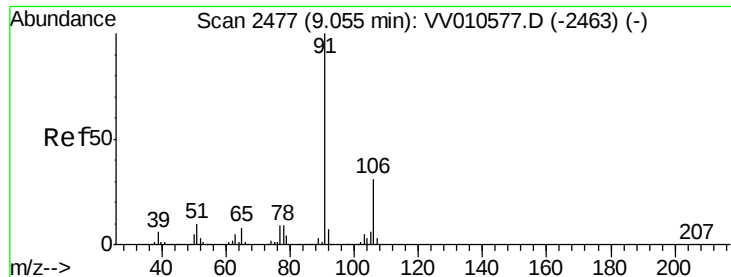
Tgt Ion:107 Resp: 44515
Ion Ratio Lower Upper
107 100
109 94.3 66.0 122.6
188 3.4 2.7 4.1



#51
Chlorobenzene
Concen: 5.200 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010577.D
Acq: 30 Apr 2019 16:25

Tgt Ion:112 Resp: 204810
Ion Ratio Lower Upper
112 100
114 33.0 23.1 42.9
77 56.1 44.9 67.3





#52

Ethylbenzene

Concen: 5.583 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

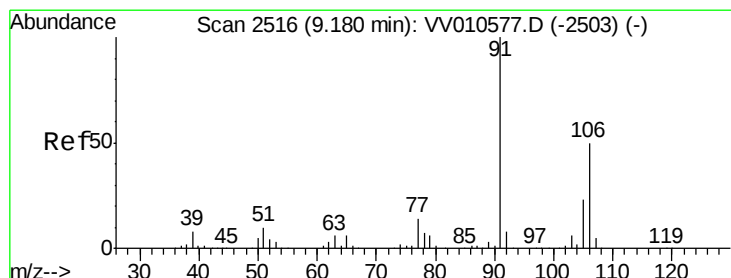
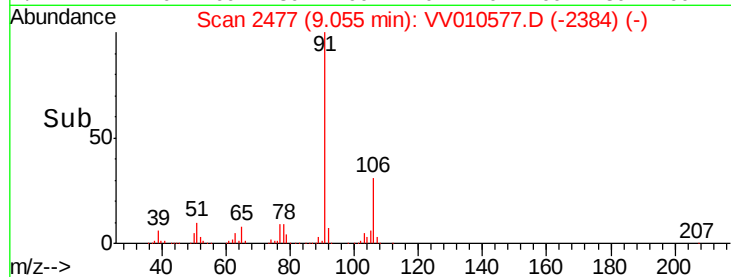
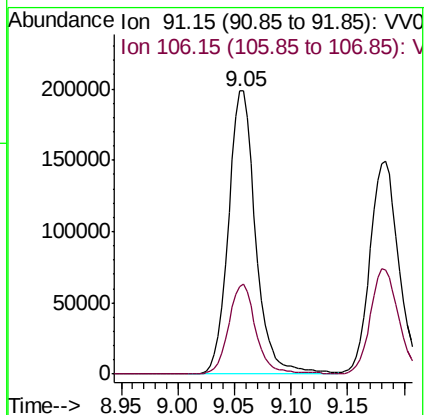
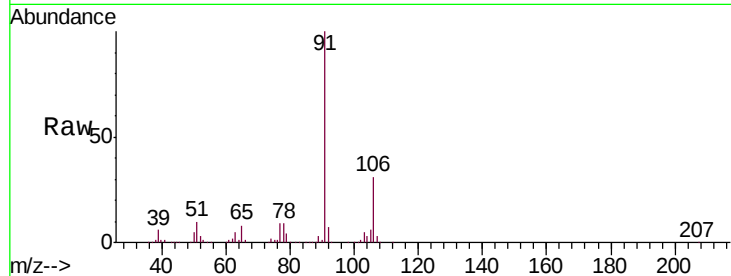
VSTD00537

Tgt Ion: 91 Resp: 334032

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



#53

m,p-xylene

Concen: 5.500 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV010577.D

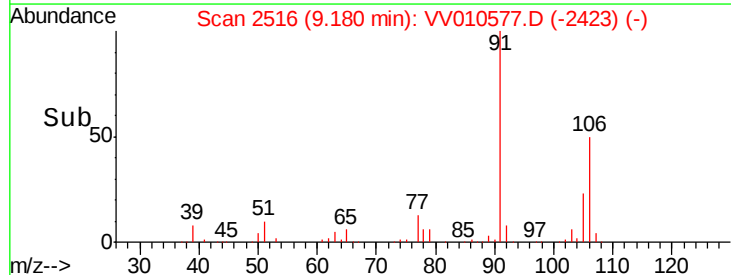
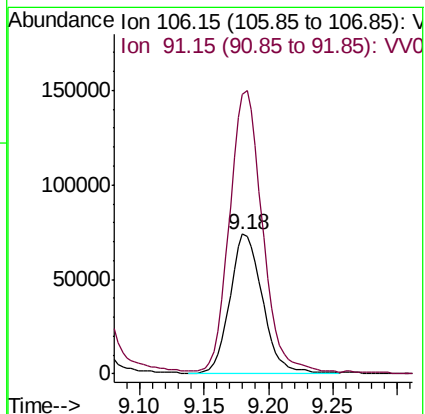
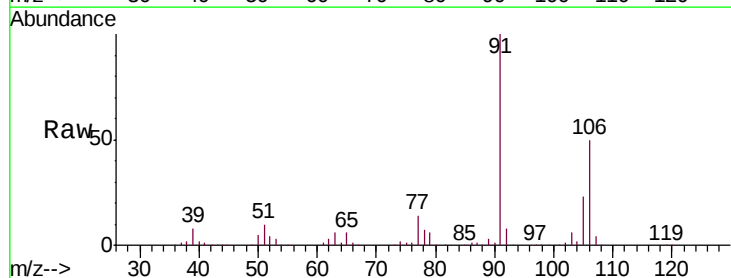
Acq: 30 Apr 2019 16:25

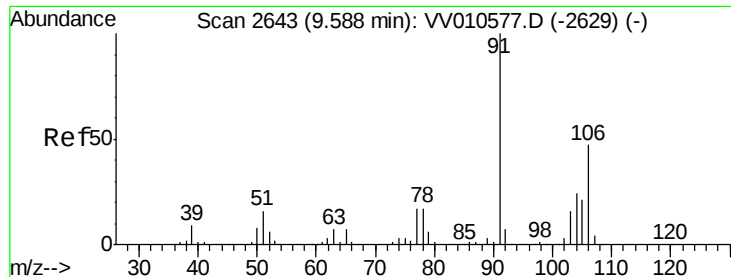
Tgt Ion: 106 Resp: 128669

Ion Ratio Lower Upper

106 100

91 200.4 140.3 260.5





#54

o-xylene

Concen: 5.672 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

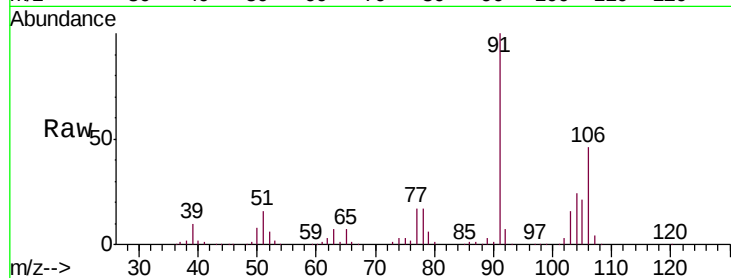
VSTD00537

Tgt Ion:106 Resp: 130164

Ion Ratio Lower Upper

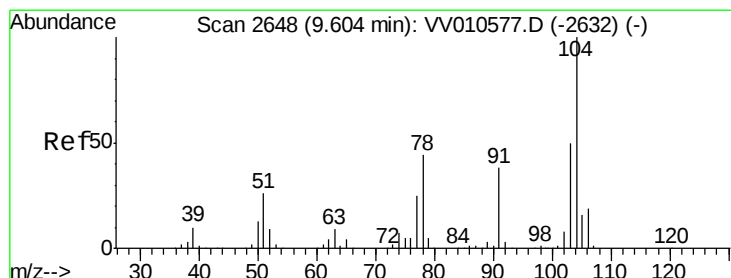
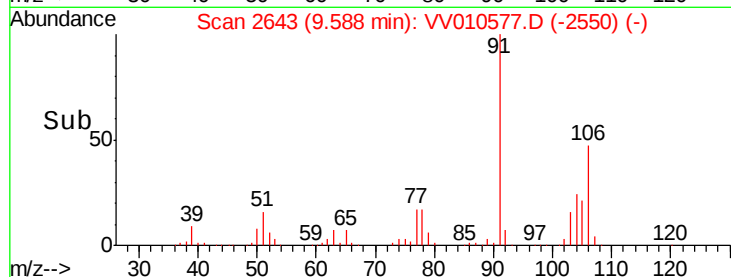
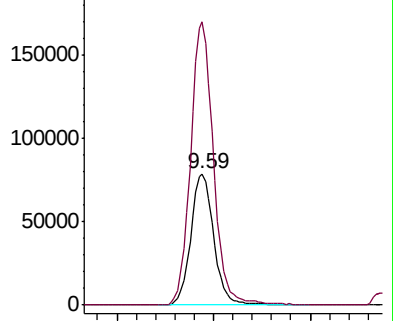
106 100

91 215.1 150.6 279.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.746 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010577.D

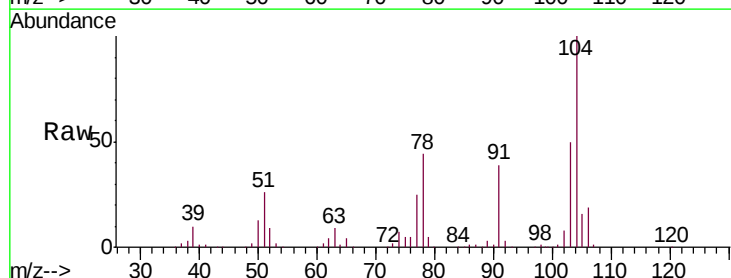
Acq: 30 Apr 2019 16:25

Tgt Ion:104 Resp: 216762

Ion Ratio Lower Upper

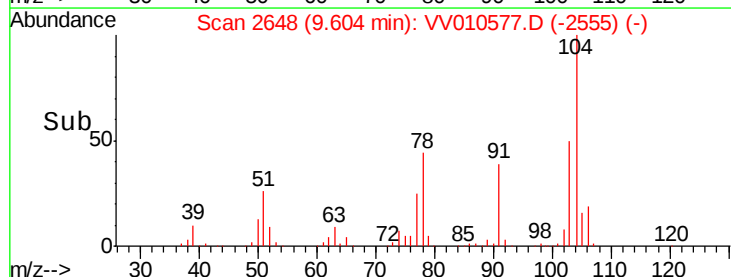
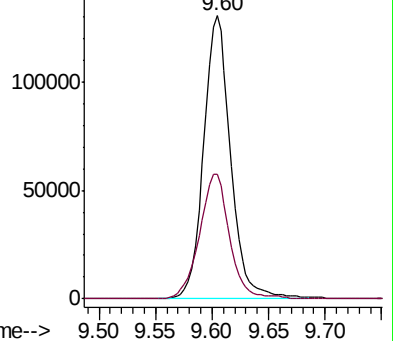
104 100

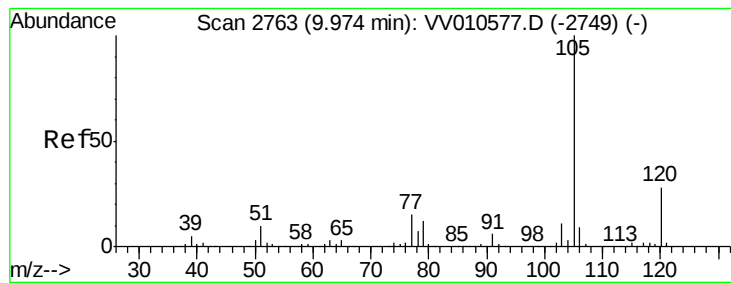
78 43.9 30.7 57.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.666 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

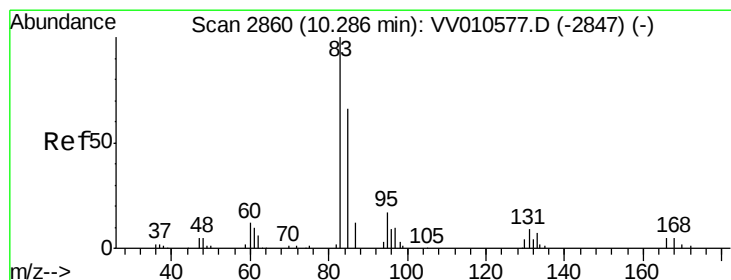
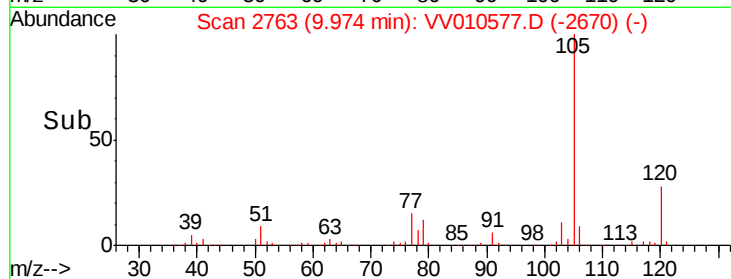
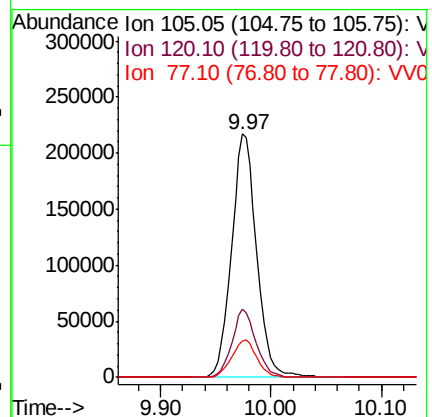
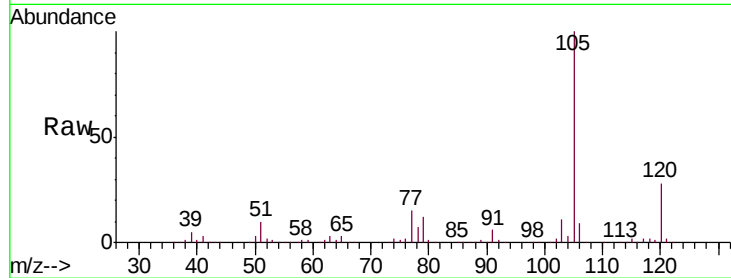
Tgt Ion: 105 Resp: 340906

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

77 15.6 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 5.076 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

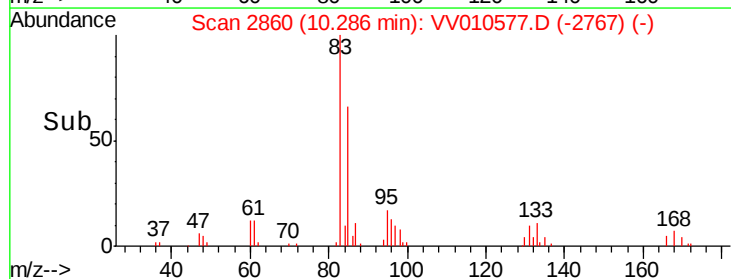
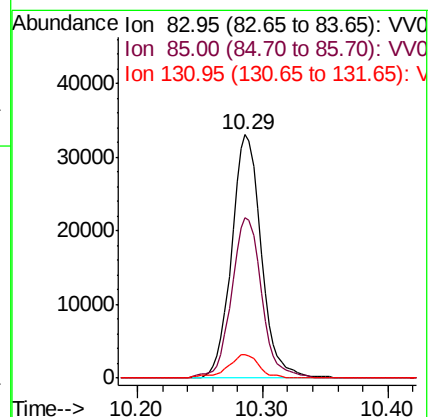
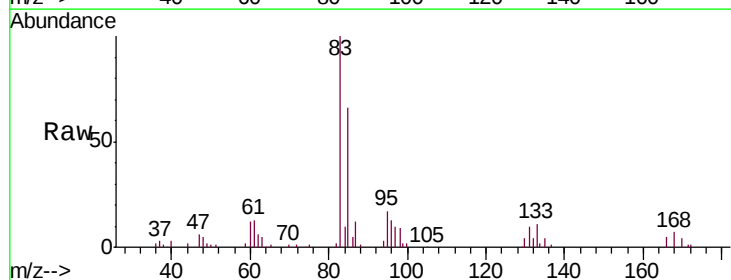
Tgt Ion: 83 Resp: 54252

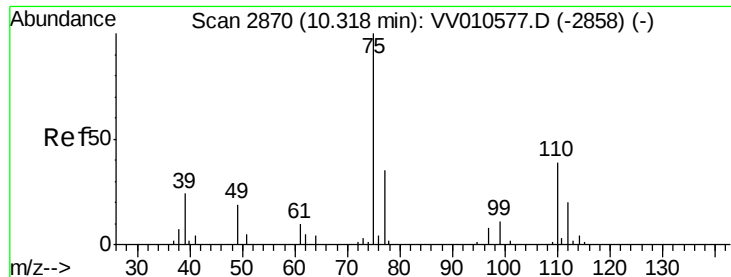
Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9

131 9.8 7.8 11.8

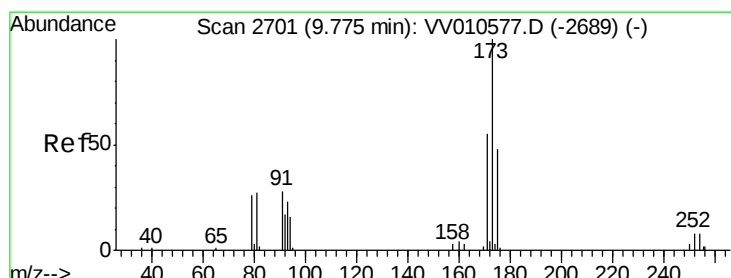
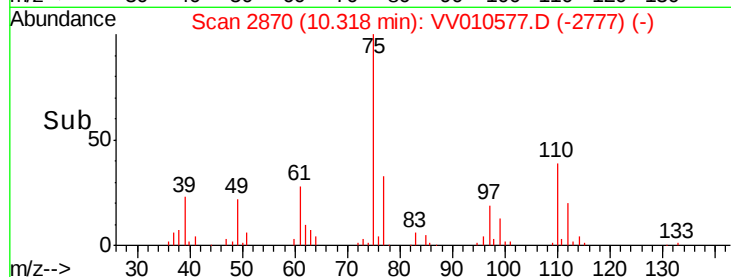
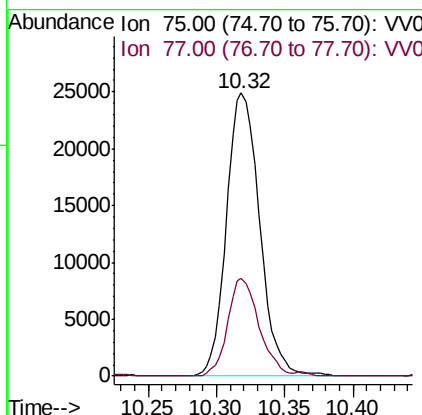
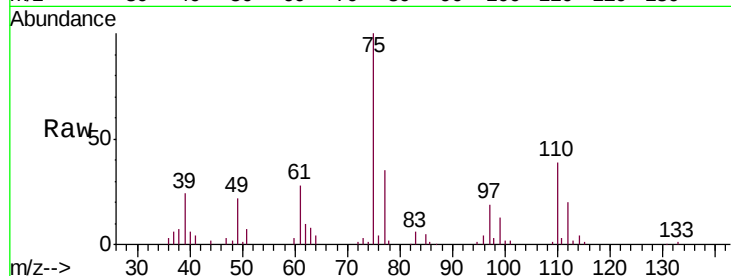




#59
 1,2,3-Trichloropropane
 Concen: 5.543 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

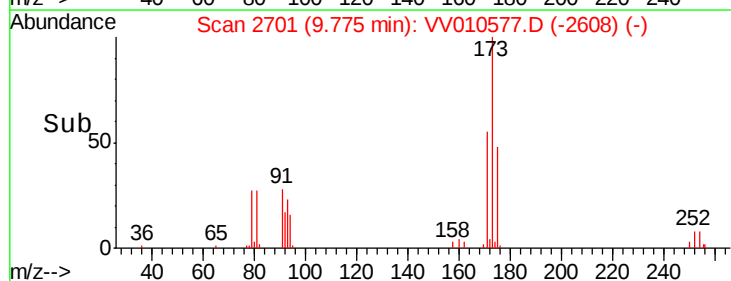
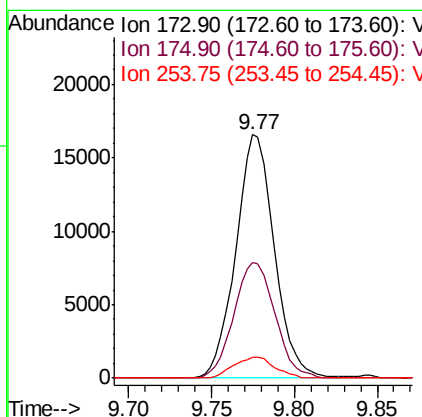
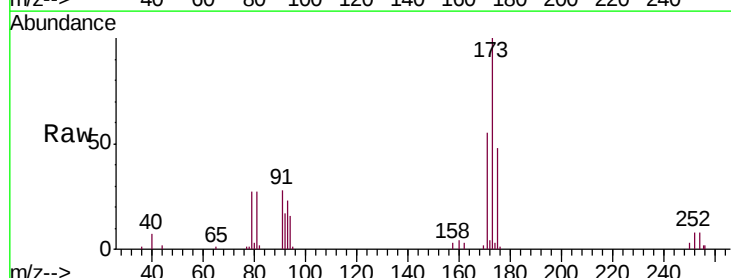
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

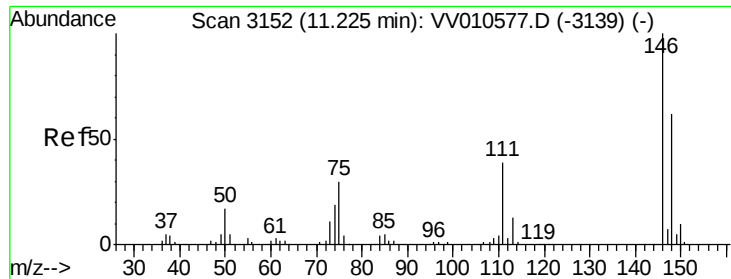
Tgt Ion: 75 Resp: 42143
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2



#61
 Bromoform
 Concen: 4.504 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Tgt Ion: 173 Resp: 26802
 Ion Ratio Lower Upper
 173 100
 175 50.7 40.6 60.8
 254 9.1 7.3 10.9

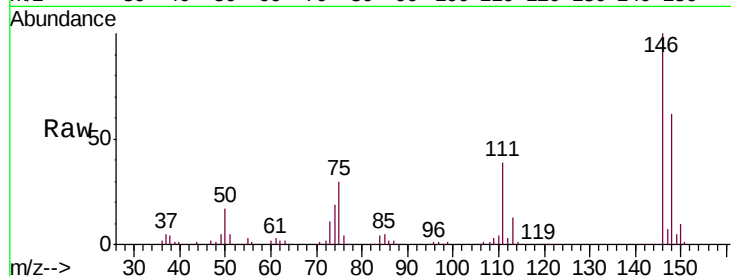




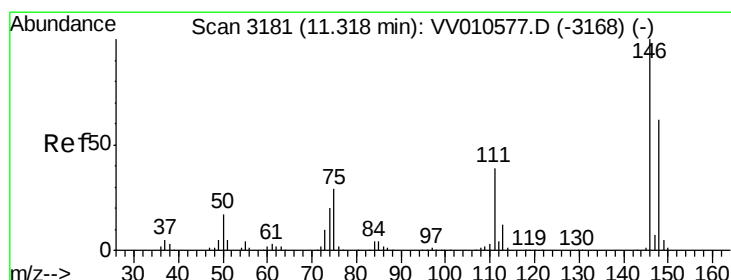
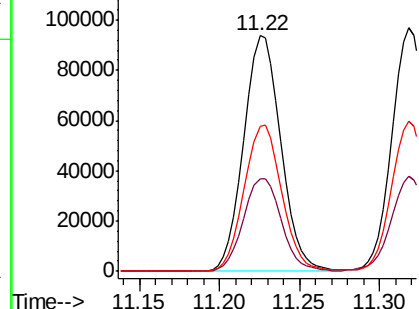
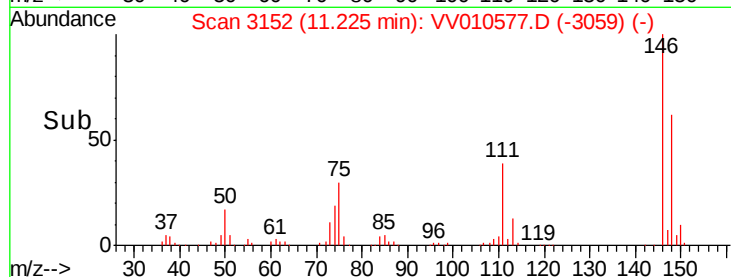
#62
 1,3-Dichlorobenzene
 Concen: 5.104 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion:146 Resp: 148406
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.6 51.4
 148 61.5 43.0 80.0

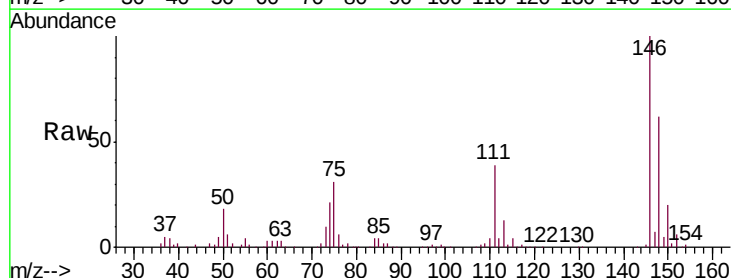


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

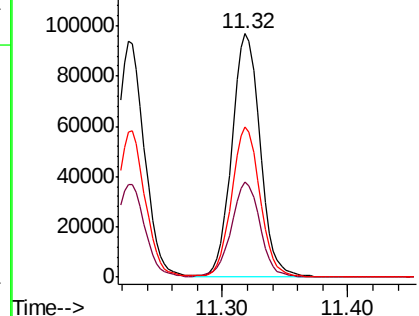
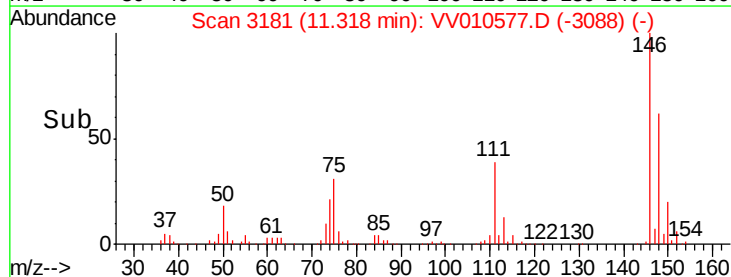


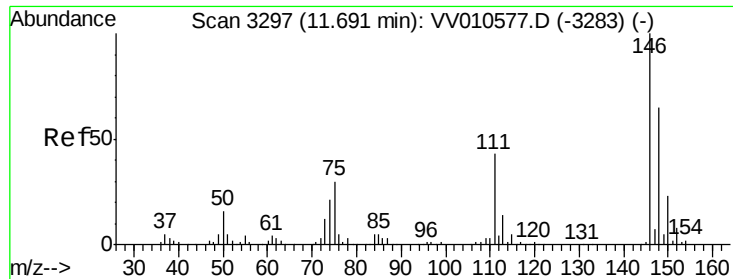
#63
 1,4-Dichlorobenzene
 Concen: 5.080 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Tgt Ion:146 Resp: 151700
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.4 50.8
 148 61.8 43.3 80.3



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





#65

1,2-Dichlorobenzene

Concen: 5.003 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

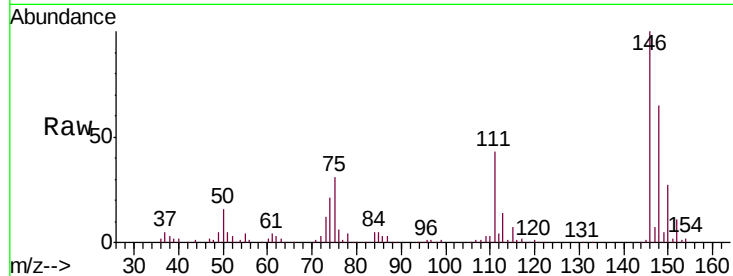
Tgt Ion:146 Resp: 142337

Ion Ratio Lower Upper

146 100

111 43.0 34.4 51.6

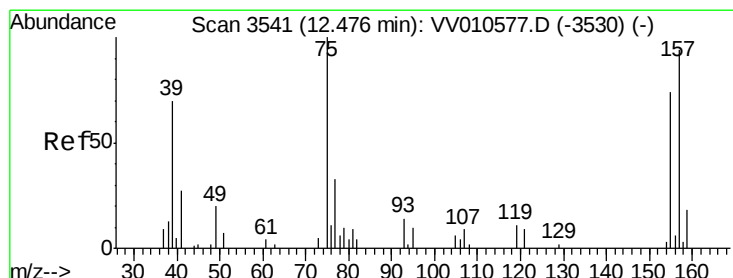
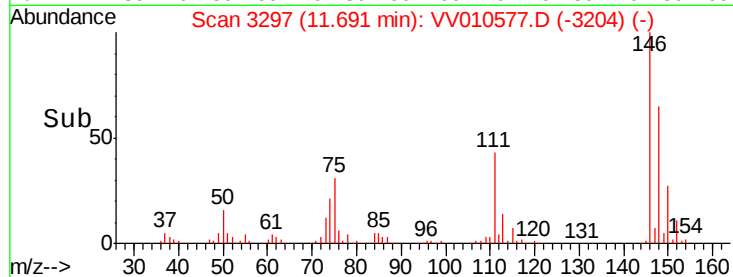
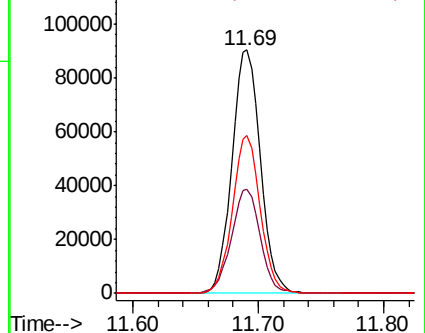
148 64.9 51.9 77.9



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: 5.467 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

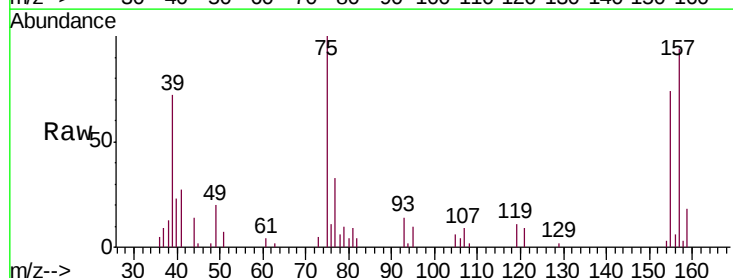
Tgt Ion: 75 Resp: 8765

Ion Ratio Lower Upper

75 100

155 74.3 59.4 89.2

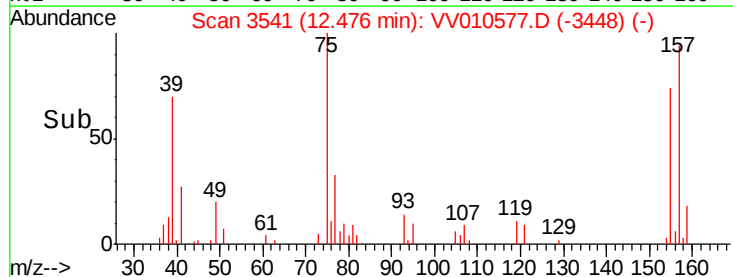
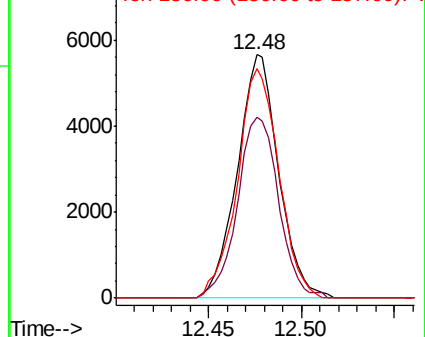
157 94.3 75.4 113.2

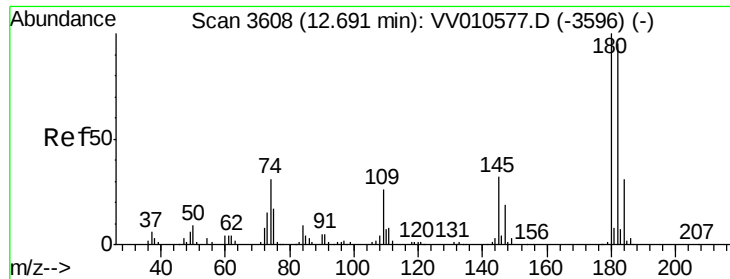


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

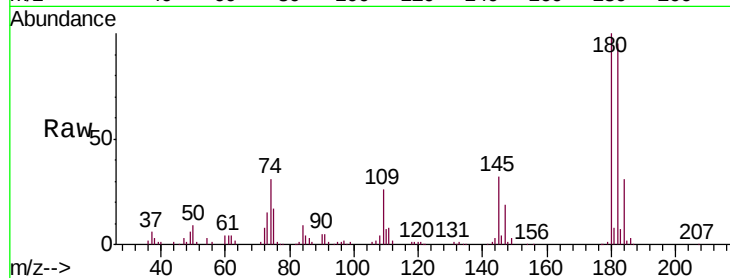




#67
 1,3,5-Trichlorobenzene
 Concen: 4.695 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00537

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
184	31.5	25.2	37.8
145	31.2	25.0	37.4



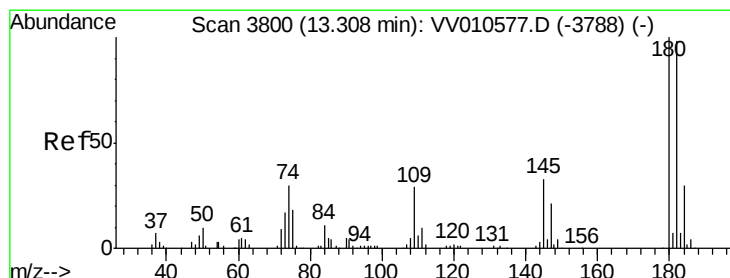
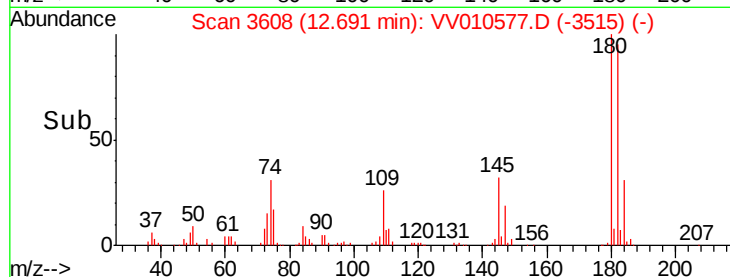
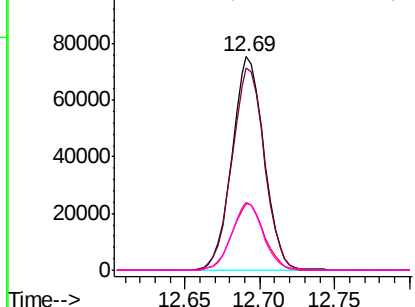
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

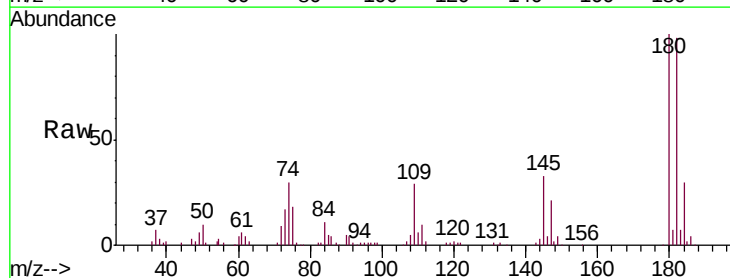
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.589 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010577.D
 Acq: 30 Apr 2019 16:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
145	32.4	25.9	38.9

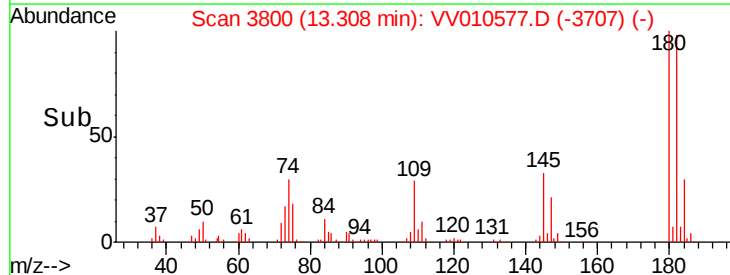
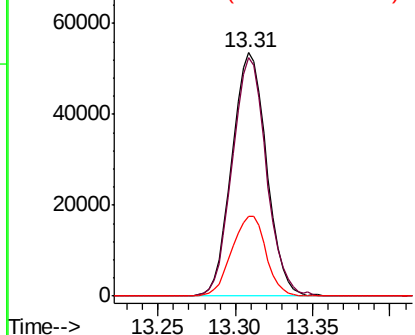


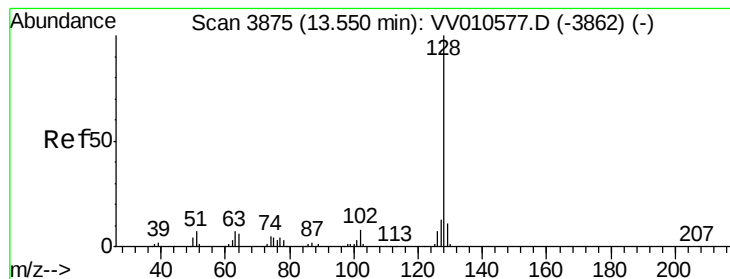
Abundance

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: 4.814 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD00537

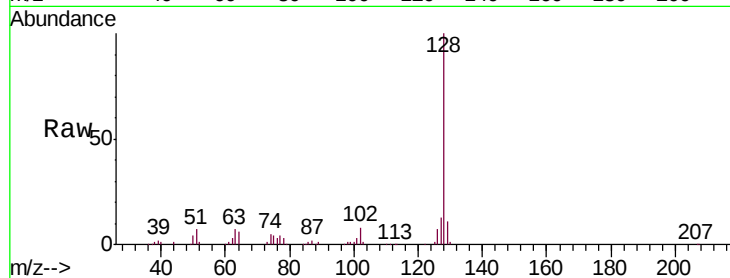
Tgt Ion:128 Resp: 130887

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

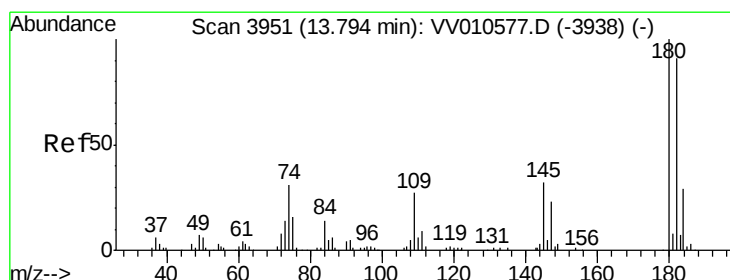
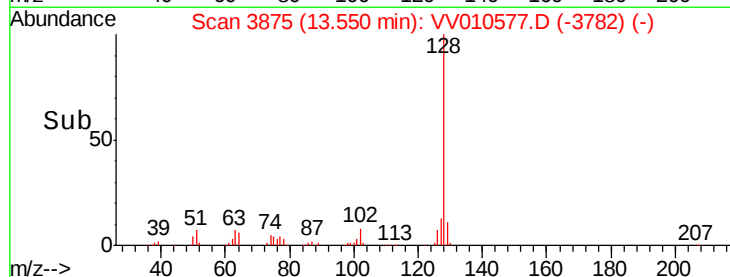
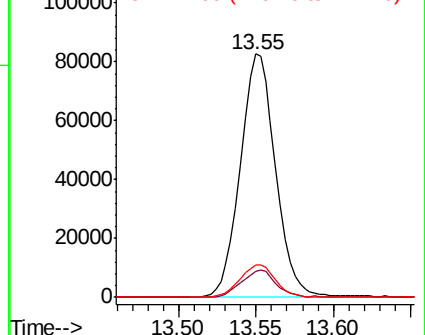
127 13.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.456 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010577.D

Acq: 30 Apr 2019 16:25

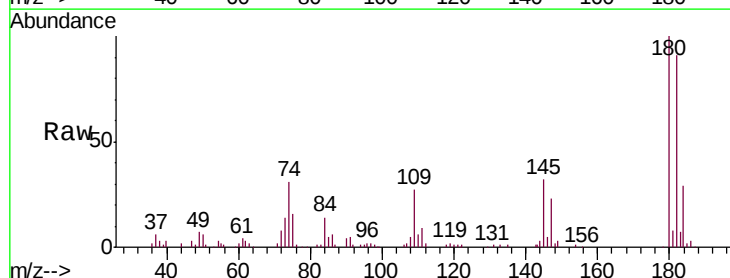
Tgt Ion:180 Resp: 79349

Ion Ratio Lower Upper

180 100

182 91.7 73.4 110.0

145 32.8 26.2 39.4



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

