

Data File : VV010578.D
Acq On : 30 Apr 2019 16:50
Operator : SY/MD
Sample : VSTD01038
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01038

Quant Time: May 01 07:35:43 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	5.66	114	208576	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	210093	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	100342	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111494	10.77	ug/L	0.00
7) Chloroethane-d5	1.57	69	74488	12.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	215889	11.03	ug/L	0.00
20) 2-Butanone-d5	3.94	46	270574	104.22	ug/L	0.00
24) Chloroform-d	4.40	84	245249	9.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	119649	9.82	ug/L	0.00
32) Benzene-d6	5.10	84	475264	9.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	139520	9.60	ug/L	0.00
41) Toluene-d8	7.36	98	482902	9.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	55932	9.99	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	228767	98.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	108252	9.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	170703	9.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	175979	10.385 ug/L	98
3) Chloromethane	1.25	50	153512	12.013 ug/L	99
5) Vinyl chloride	1.32	62	163099	12.783 ug/L	97
6) Bromomethane	1.52	94	65535	12.432 ug/L	91
8) Chloroethane	1.59	64	78530	13.814 ug/L	94
9) Trichlorofluoromethane	1.76	101	265190	11.279 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	131847	11.238 ug/L	97
12) 1,1-Dichloroethene	2.14	96	119269	11.386 ug/L	95
13) Acetone	2.20	43	151133	111.552 ug/L	99
14) Carbon disulfide	2.31	76	328469	12.121 ug/L	96
15) Methyl Acetate	2.46	43	46562	10.319 ug/L	97
16) Methylene chloride	2.53	84	130707	8.671 ug/L	94
17) Methyl tert-butyl Ether	2.81	73	282549	9.871 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	135615	9.630 ug/L	98
19) 1,1-Dichloroethane	3.23	63	249548	10.480 ug/L	97
21) 2-Butanone	4.02	43	298109	109.090 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	147722	9.639 ug/L	97
23) Bromochloromethane	4.30	128	61248	8.772 ug/L	99
25) Chloroform	4.43	83	260455	9.797 ug/L	100
27) 1,2-Dichloroethane	5.18	62	151535	9.935 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	233311	9.581 ug/L	99
30) Cyclohexane	4.72	56	221742	12.003 ug/L	98
31) Carbon tetrachloride	4.87	117	212811	9.232 ug/L	100
33) Benzene	5.14	78	555774	10.178 ug/L	100
34) Trichloroethene	5.96	95	152787	9.672 ug/L	98
35) Methylcyclohexane	6.17	83	234398	11.209 ug/L	97
37) 1,2-Dichloropropane	6.22	63	135324	10.728 ug/L	99
38) Bromodichloromethane	6.56	83	178288	9.932 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	199826	10.956 ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	773567	113.963 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	641176	10.756	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	153081	10.723	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	94769	9.086	ug/L	94
47) Tetrachloroethene	8.02	164	123500	8.680	ug/L	93
48) 2-Hexanone	8.18	43	566402	119.347	ug/L	99
49) Dibromochloromethane	8.29	129	118640	9.454	ug/L	96
50) 1,2-Dibromoethane	8.40	107	91666	9.578	ug/L	95
51) Chlorobenzene	8.93	112	411730	9.858	ug/L	99
52) Ethylbenzene	9.06	91	707138	11.146	ug/L	98
53) m,p-xylene	9.18	106	275527	11.105	ug/L	99
54) o-xylene	9.59	106	273719	11.247	ug/L	99
55) Styrene	9.60	104	457797	11.444	ug/L	99
56) Isopropylbenzene	9.97	105	706267	11.069	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	109898	9.696	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	80608	9.998	ug/L	98
61) Bromoform	9.77	173	57505	9.134	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	305737	9.939	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	311969	9.876	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	297297	9.878	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	17074	10.066	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	232781	9.202	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	180400	9.406	ug/L	100
69) Naphthalene	13.55	128	315256	10.961	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	172700	9.167	ug/L	97

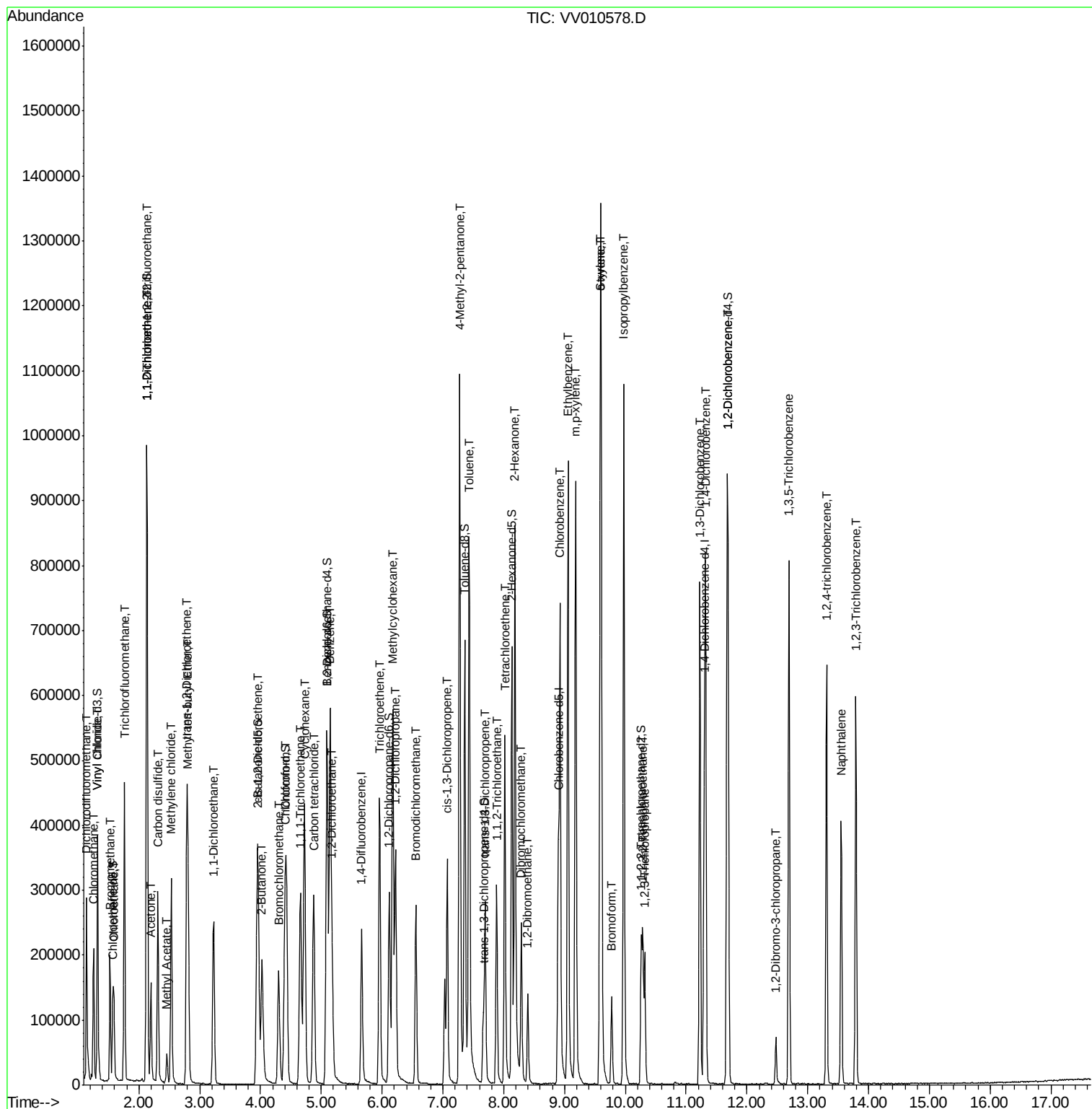
(#) = qualifier out of range (m) = manual integration (+) = signals summed

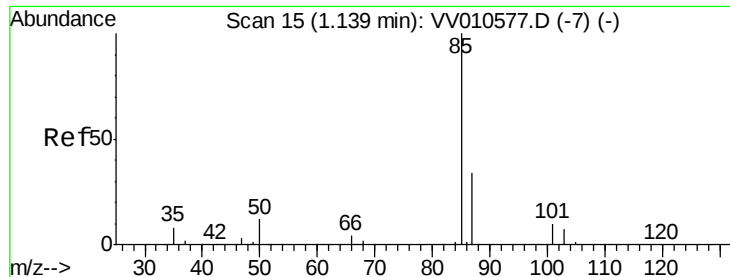
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#2

Dichlorodifluoromethane

Concen: 10.385 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

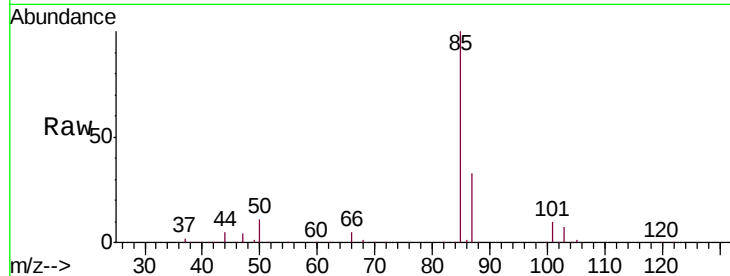
Instrument :
MSVOA_V
ClientSampleId :
VSTD01038

Tgt Ion: 85 Resp: 175979

Ion Ratio Lower Upper

85 100

87 32.3 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) (-)

1.14

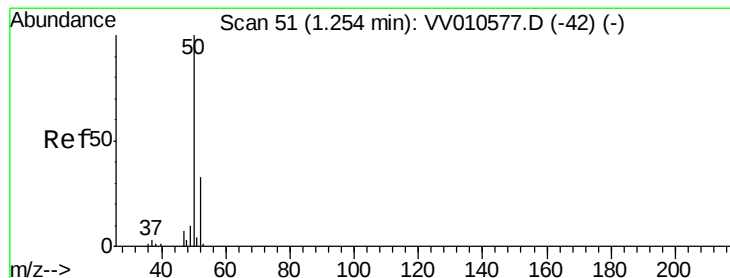
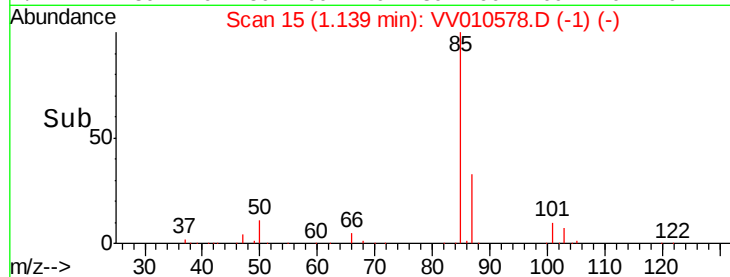
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 12.013 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010578.D

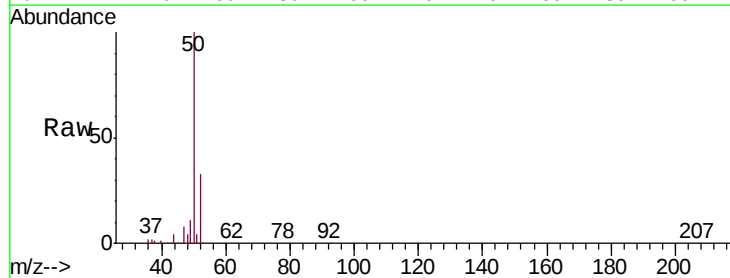
Acq: 30 Apr 2019 16:50

Tgt Ion: 50 Resp: 153512

Ion Ratio Lower Upper

50 100

52 33.2 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) (-)

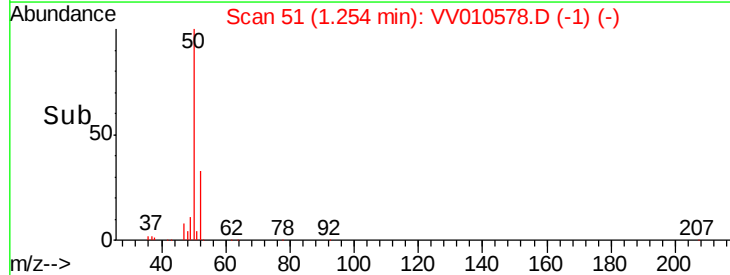
1.25

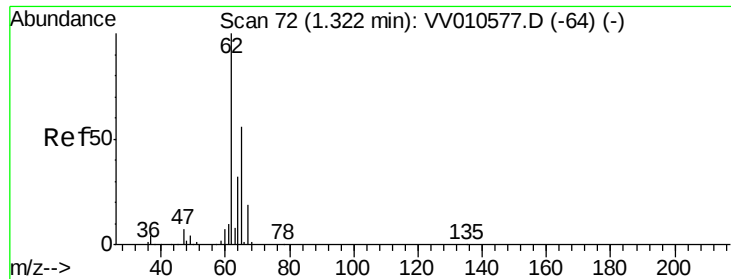
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 12.783 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

Instrument :

MSVOA_V

ClientSampleId :

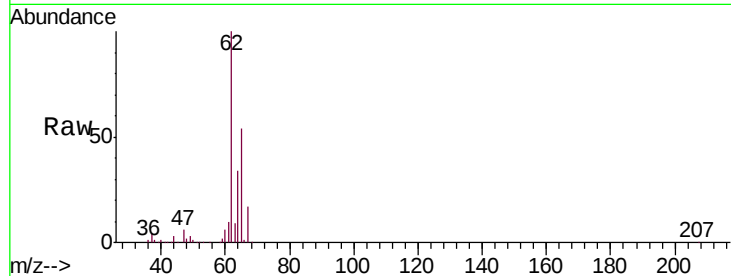
VSTD01038

Tgt Ion: 62 Resp: 163099

Ion Ratio Lower Upper

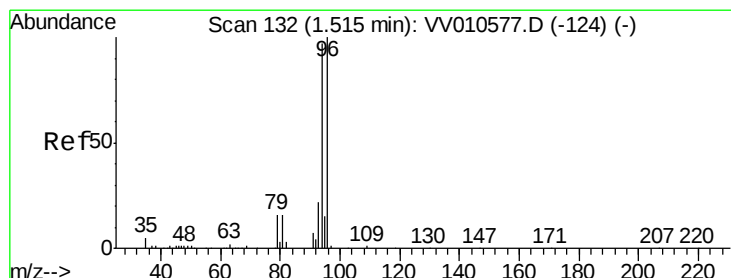
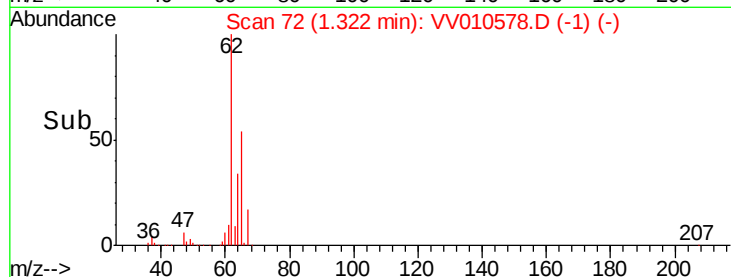
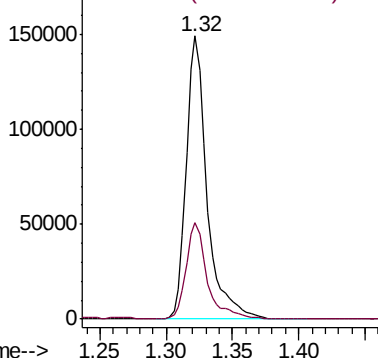
62 100

64 34.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 12.432 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.01 min

Lab File: VV010578.D

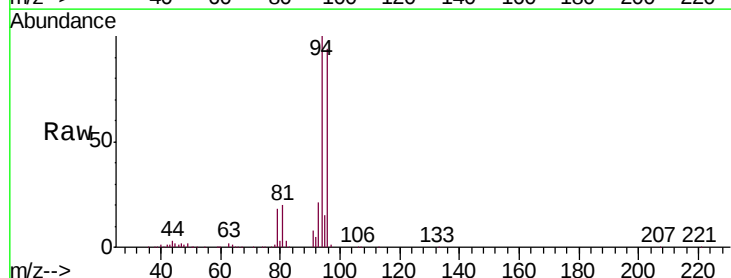
Acq: 30 Apr 2019 16:50

Tgt Ion: 94 Resp: 65535

Ion Ratio Lower Upper

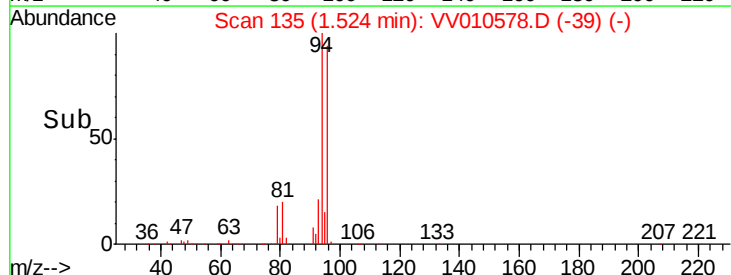
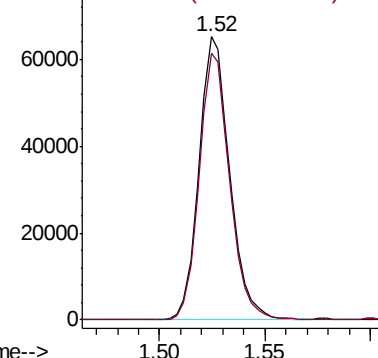
94 100

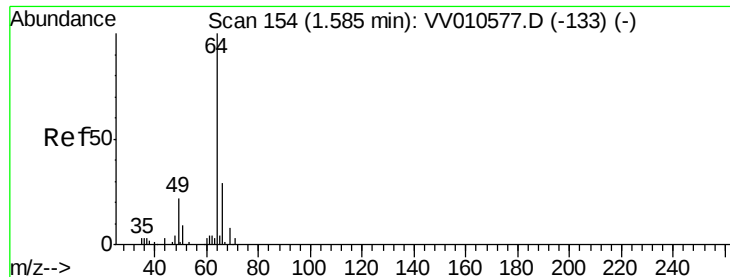
96 94.1 72.3 134.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 13.814 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

Instrument :

MSVOA_V

ClientSampleId :

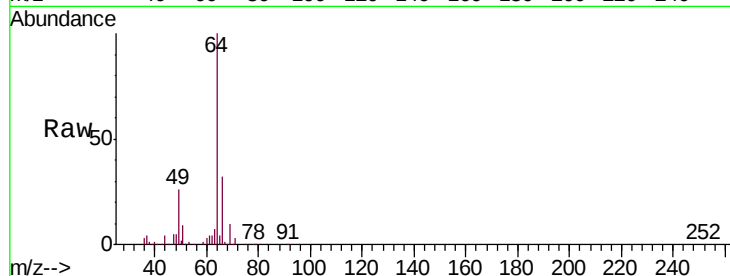
VSTD01038

Tgt Ion: 64 Resp: 78530

Ion Ratio Lower Upper

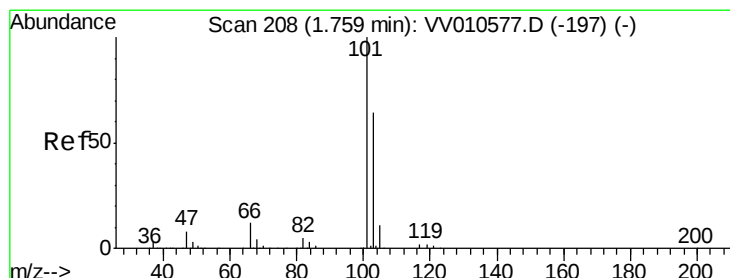
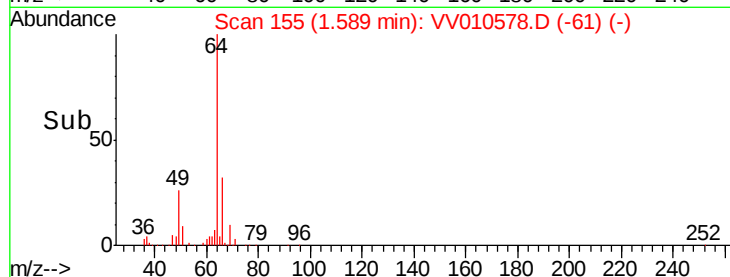
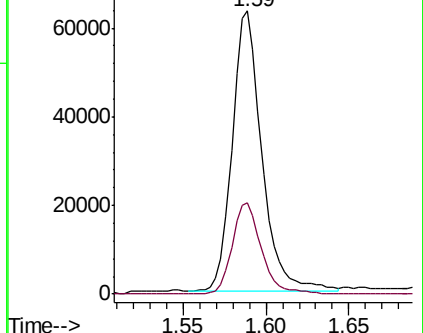
64 100

66 32.1 20.3 37.7



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

Ion 66.05 (65.75 to 66.75): VV010578.D (-61) (-)



#9

Trichlorofluoromethane

Concen: 11.279 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV010578.D

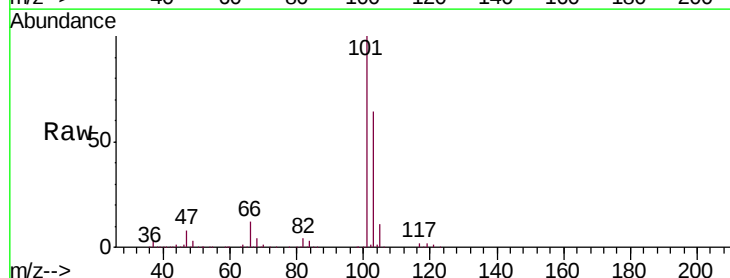
Acq: 30 Apr 2019 16:50

Tgt Ion: 101 Resp: 265190

Ion Ratio Lower Upper

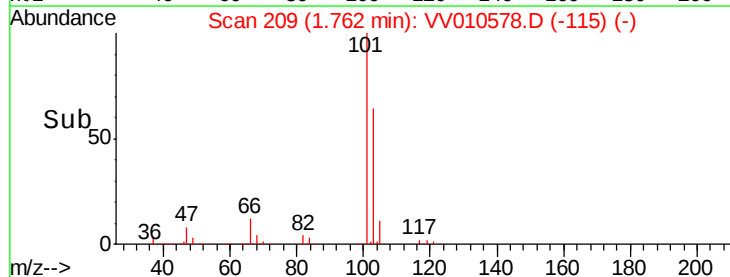
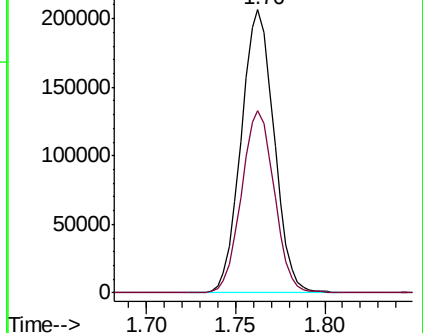
101 100

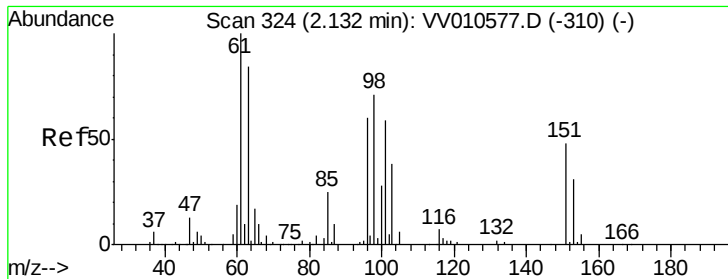
103 64.3 52.2 78.4



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

Ion 103.00 (102.70 to 103.70): VV010578.D (-115) (-)





#10

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

Concen: 11.238 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD01038

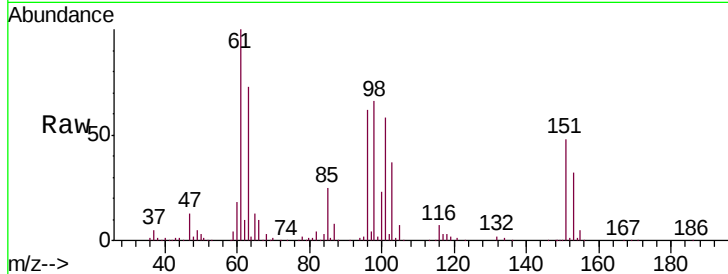
Tgt Ion: 101 Resp: 131847

Ion Ratio Lower Upper

101 100

85 43.5 35.6 53.4

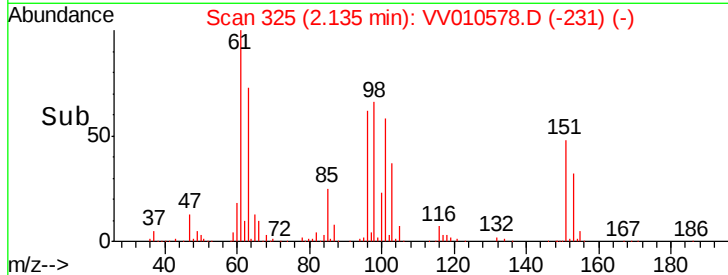
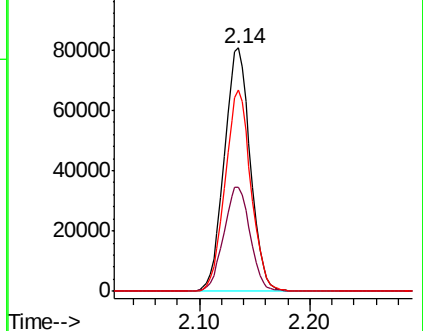
151 81.9 67.9 101.9



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: 11.386 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

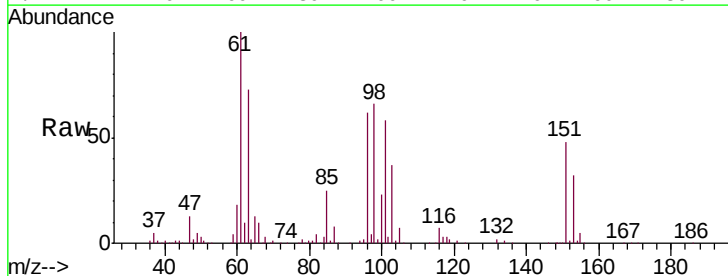
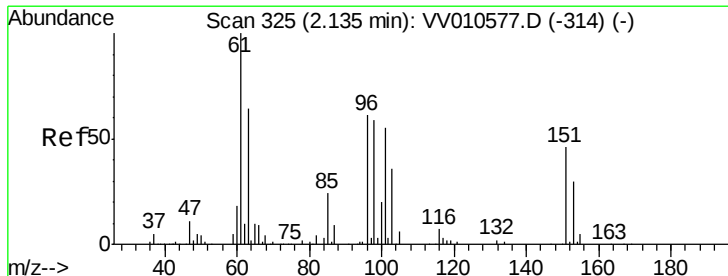
Tgt Ion: 96 Resp: 119269

Ion Ratio Lower Upper

96 100

61 161.1 115.6 214.8

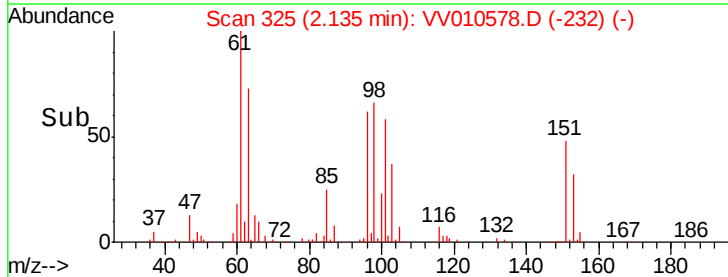
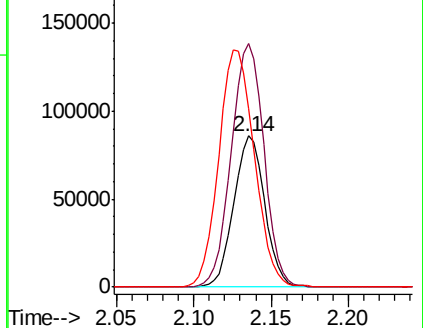
63 118.4 76.6 142.3

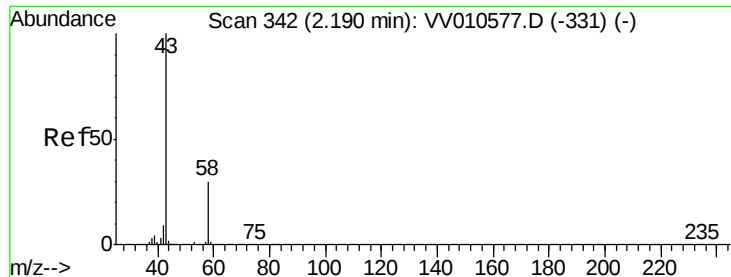


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 111.552 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

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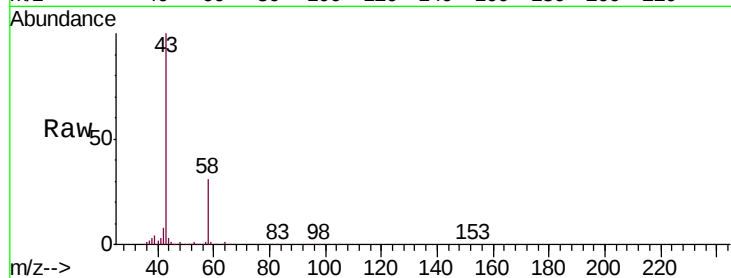
VSTD01038

Tgt Ion: 43 Resp: 151133

Ion Ratio Lower Upper

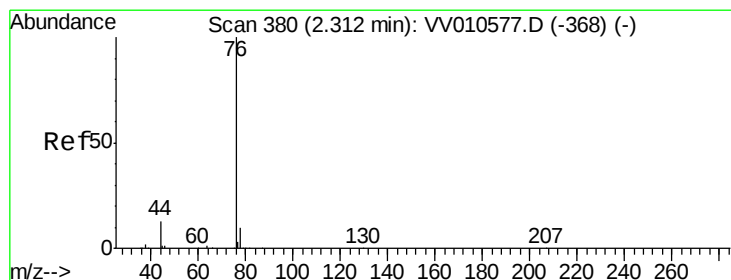
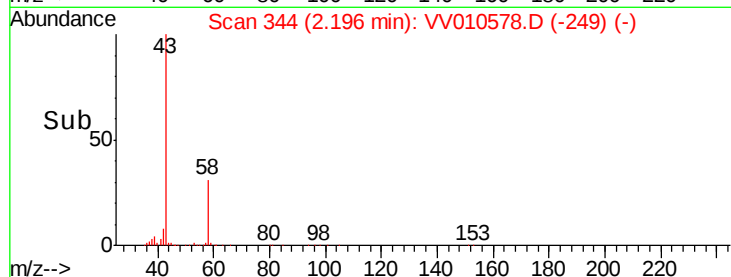
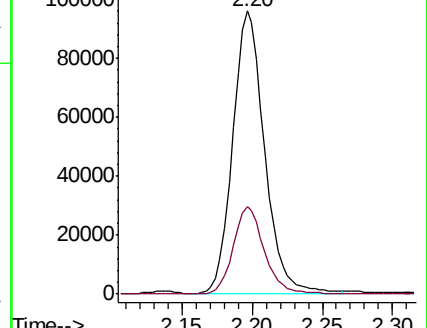
43 100

58 30.6 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) (-)



#14

Carbon disulfide

Concen: 12.121 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010578.D

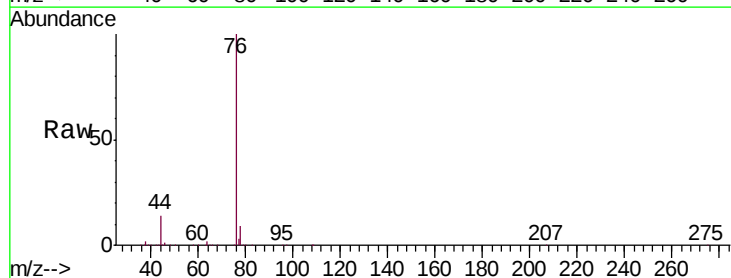
Acq: 30 Apr 2019 16:50

Tgt Ion: 76 Resp: 328469

Ion Ratio Lower Upper

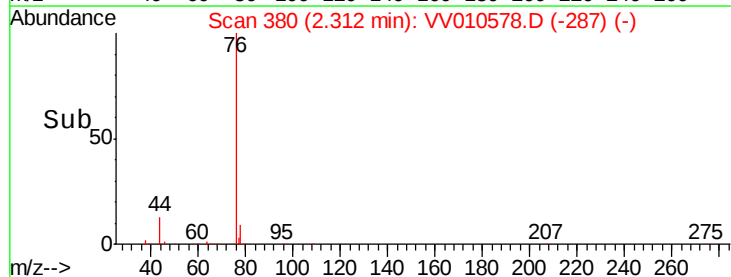
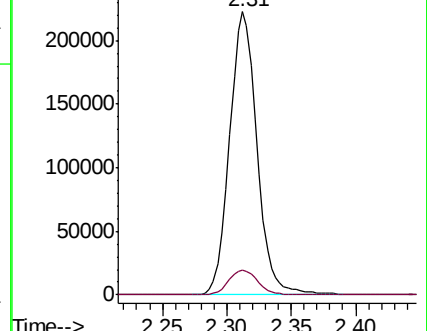
76 100

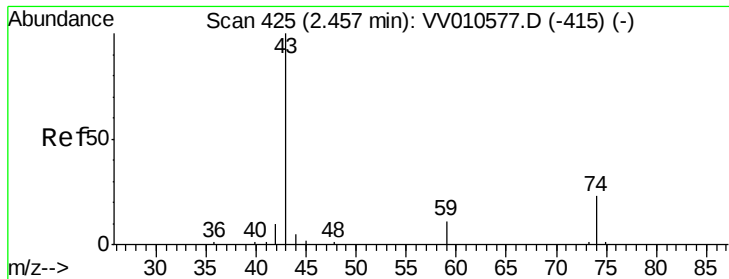
78 8.9 8.2 12.4



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

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





#15

Methyl Acetate

Concen: 10.319 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

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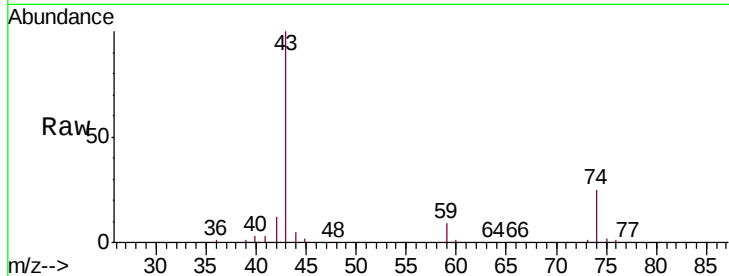
VSTD01038

Tgt Ion: 43 Resp: 46562

Ion Ratio Lower Upper

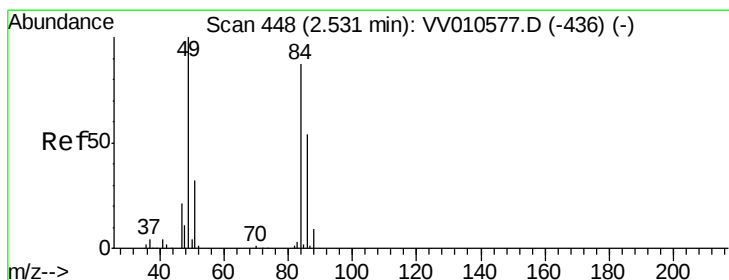
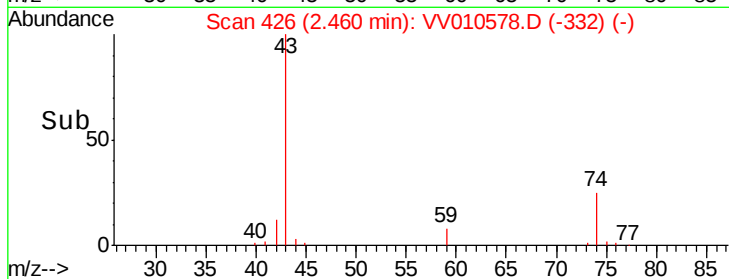
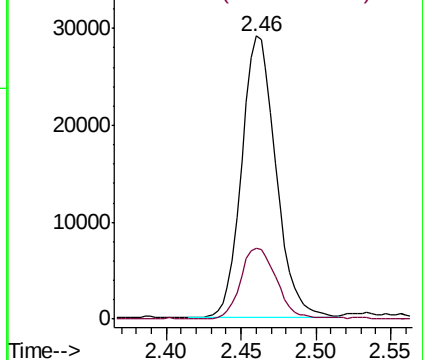
43 100

74 26.3 19.8 29.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 8.671 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

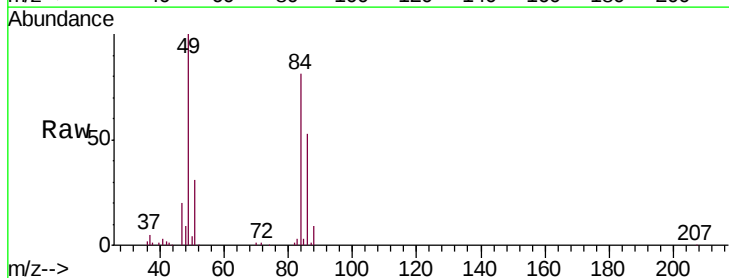
Tgt Ion: 84 Resp: 130707

Ion Ratio Lower Upper

84 100

86 65.4 43.3 80.3

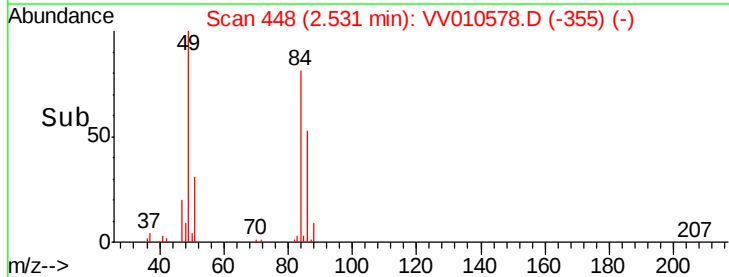
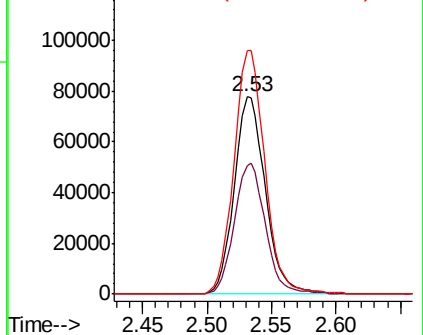
49 123.6 80.9 150.3

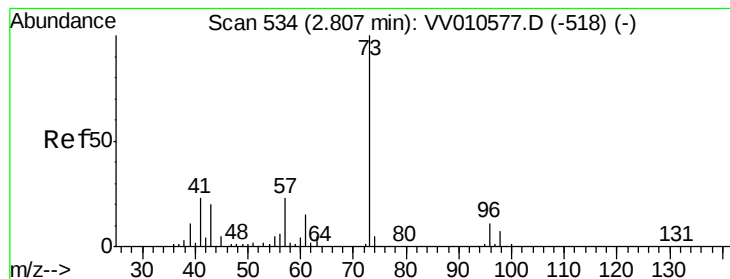


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 9.871 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD01038

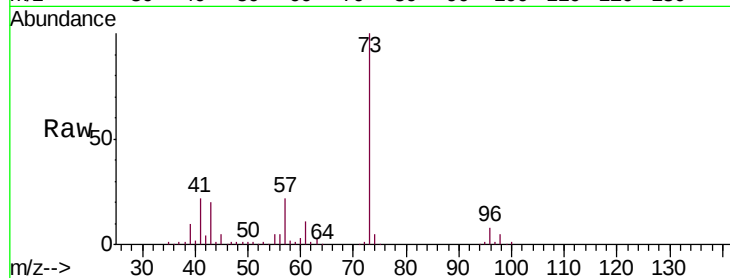
Tgt Ion: 73 Resp: 282549

Ion Ratio Lower Upper

73 100

43 19.9 16.5 24.7

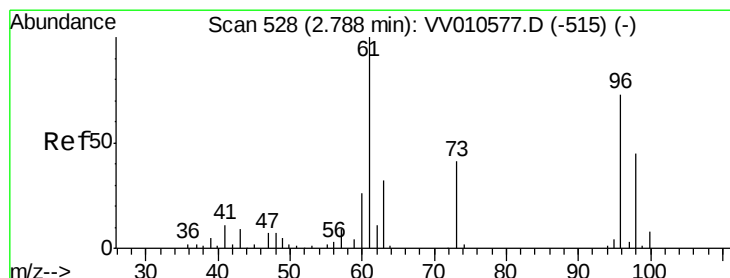
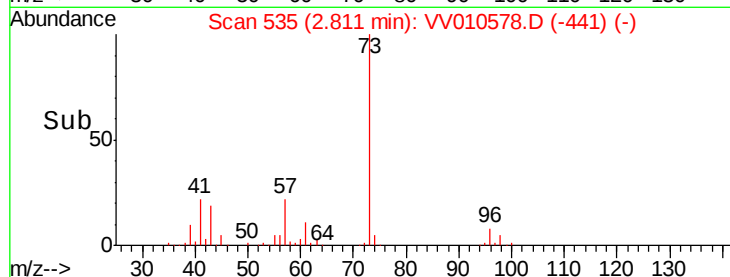
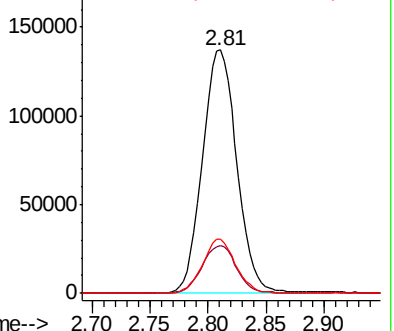
57 21.5 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VV010577.D (-518) (-)

Ion 43.05 (42.75 to 43.75): VV010577.D (-518) (-)

Ion 57.10 (56.80 to 57.80): VV010577.D (-518) (-)



#18

trans-1,2-Dichloroethene

Concen: 9.630 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

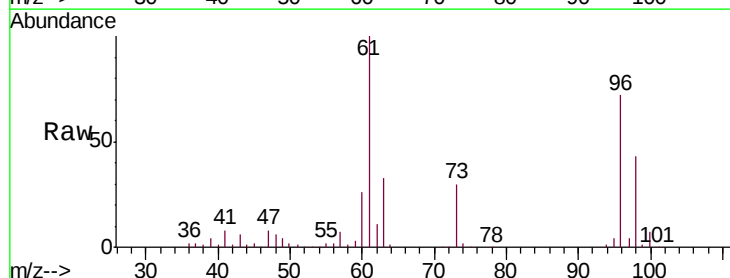
Tgt Ion: 96 Resp: 135615

Ion Ratio Lower Upper

96 100

61 138.8 96.1 178.5

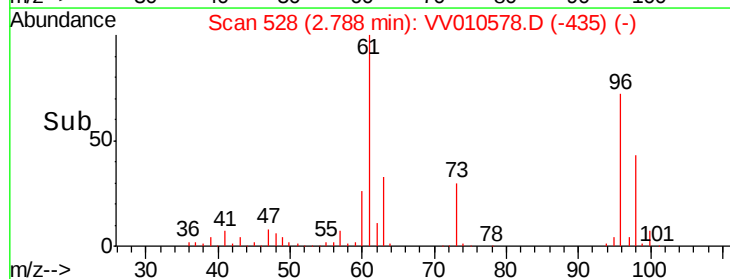
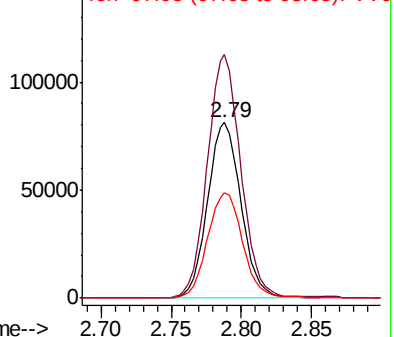
98 59.8 43.3 80.3

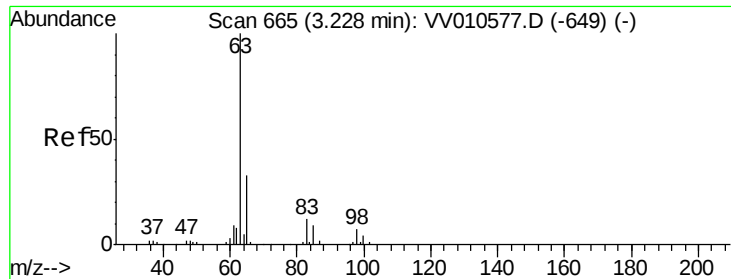


Abundance Ion 96.00 (95.70 to 96.70): VV010577.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV010577.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV010577.D (-515) (-)

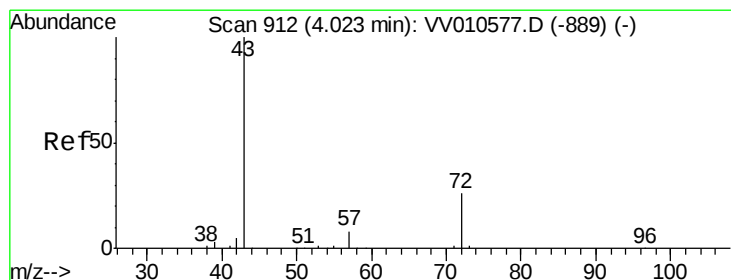
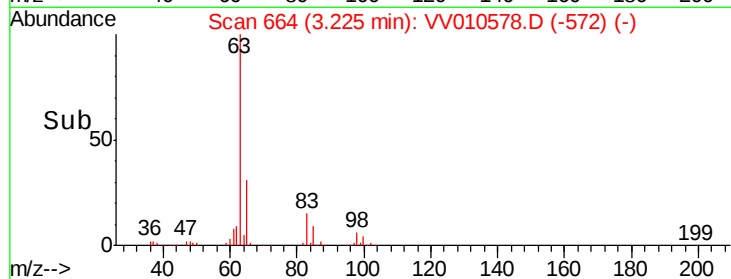
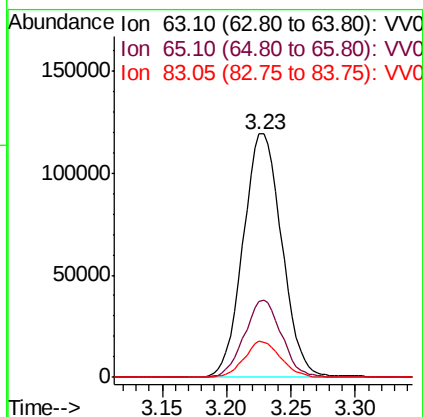
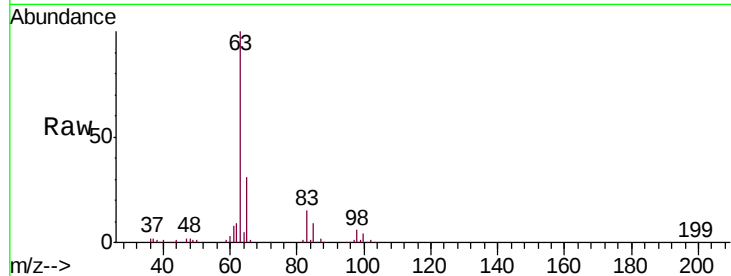




#19
 1,1-Dichloroethane
 Concen: 10.480 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

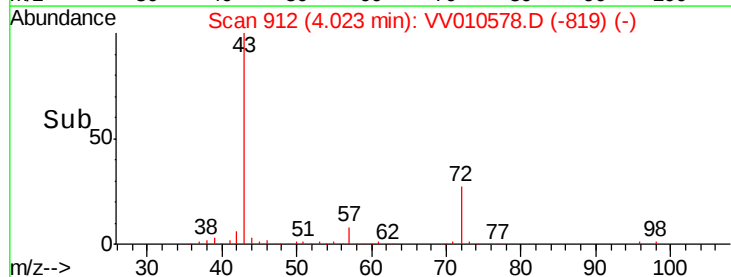
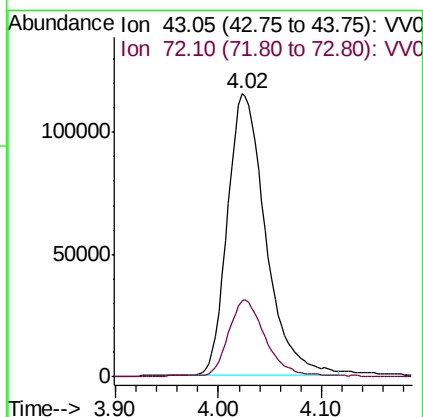
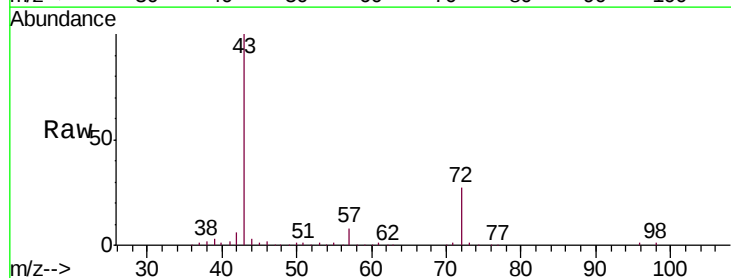
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01038

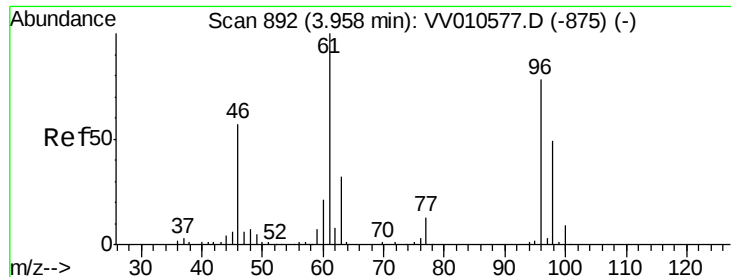
Tgt Ion: 63 Resp: 249548
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.9 42.5
 83 14.8 8.6 16.0



#21
 2-Butanone
 Concen: 109.090 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Tgt Ion: 43 Resp: 298109
 Ion Ratio Lower Upper
 43 100
 72 25.6 12.5 37.5



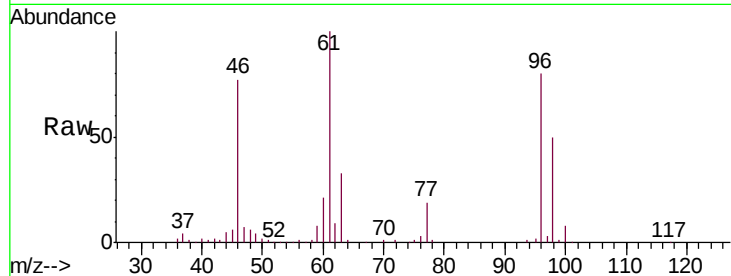


#22

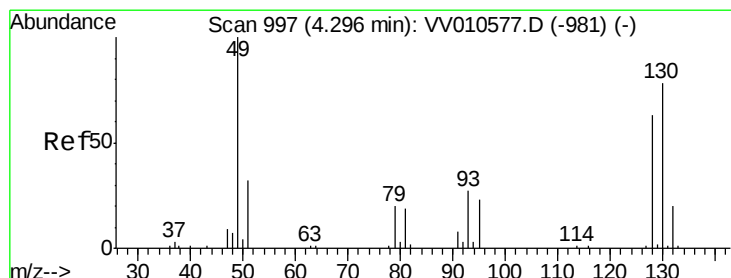
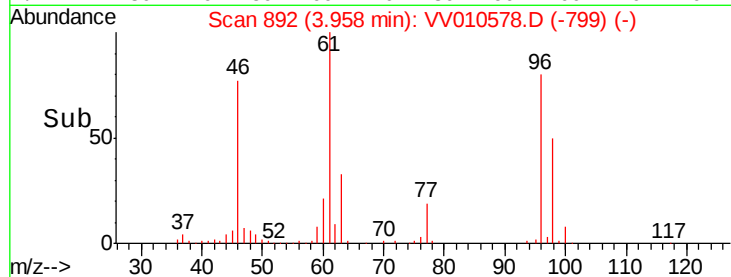
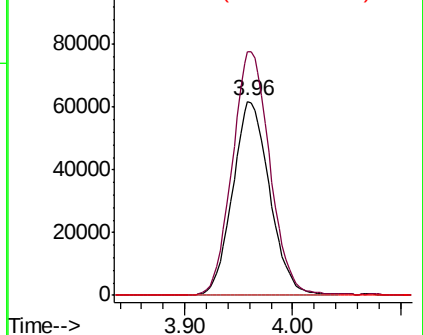
cis-1,2-Dichloroethene
 Concen: 9.639 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01038

Tgt Ion: 96 Resp: 147722
 Ion Ratio Lower Upper
 96 100
 61 125.6 90.0 167.2
 68 0.0 0.0 0.0



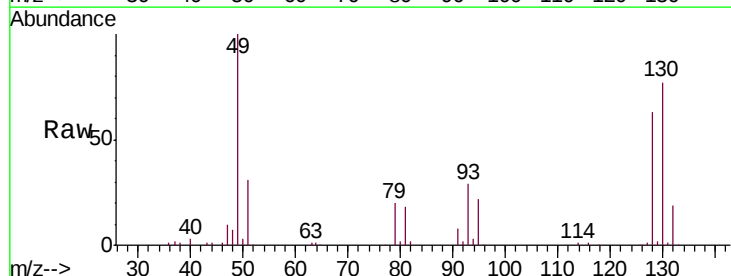
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



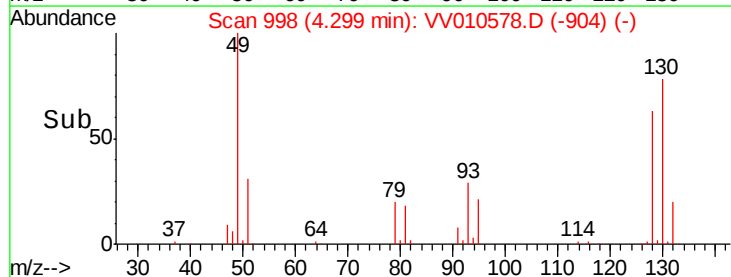
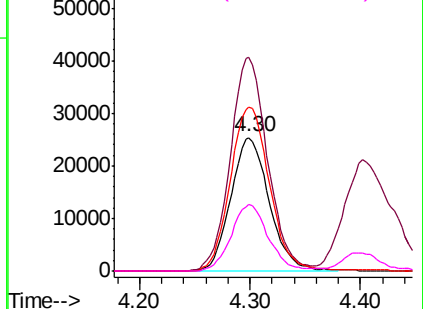
#23

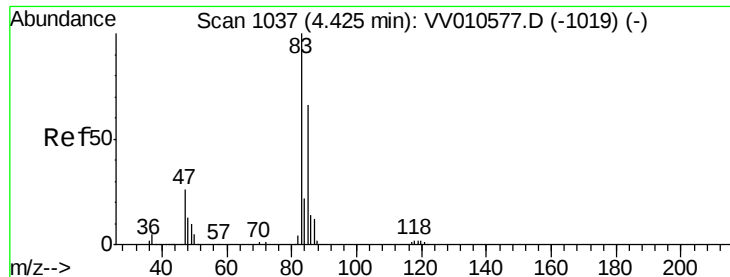
Bromochloromethane
 Concen: 8.772 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Tgt Ion: 128 Resp: 61248
 Ion Ratio Lower Upper
 128 100
 49 160.0 111.0 206.2
 130 123.1 87.1 161.7
 51 50.2 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

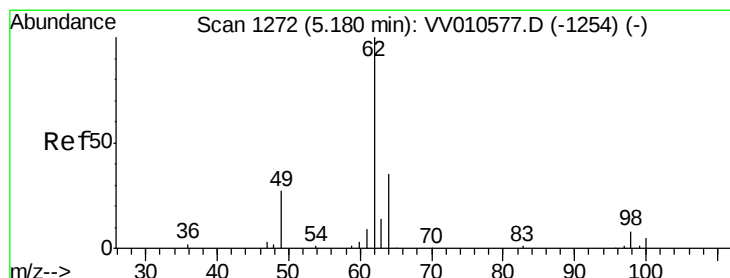
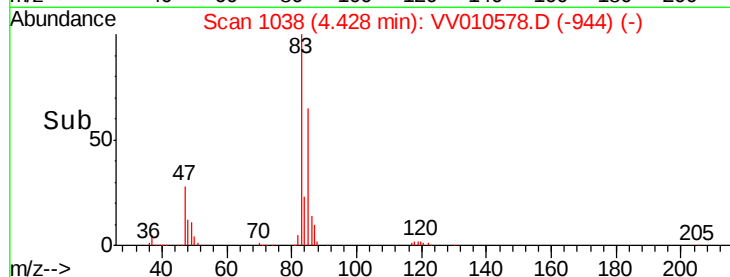
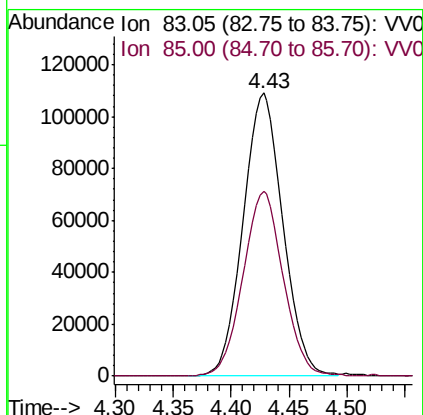
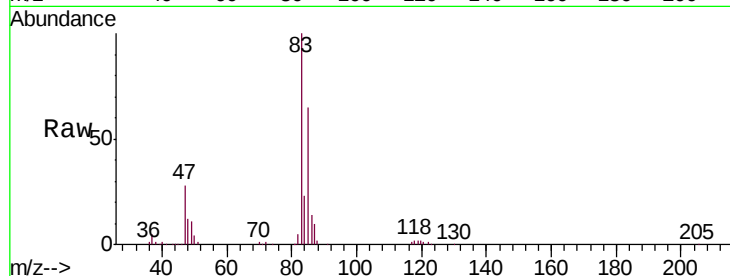




#25
Chloroform
Concen: 9.797 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010578.D
Acq: 30 Apr 2019 16:50

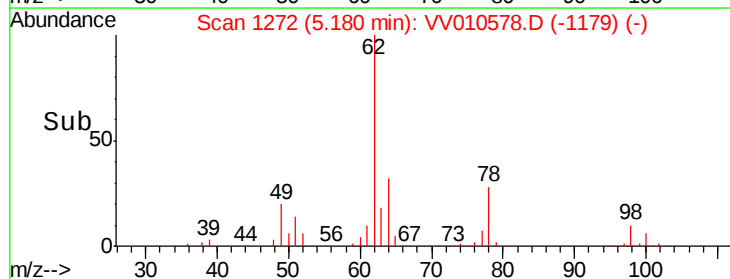
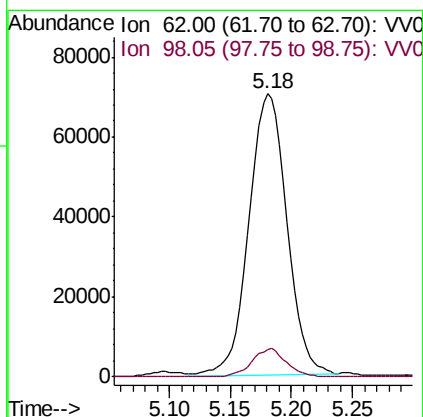
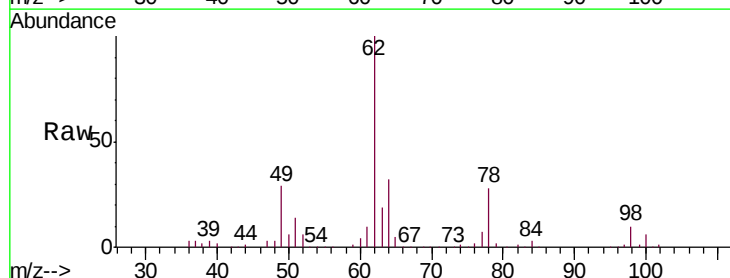
Instrument :
MSVOA_V
ClientSampleId :
VSTD01038

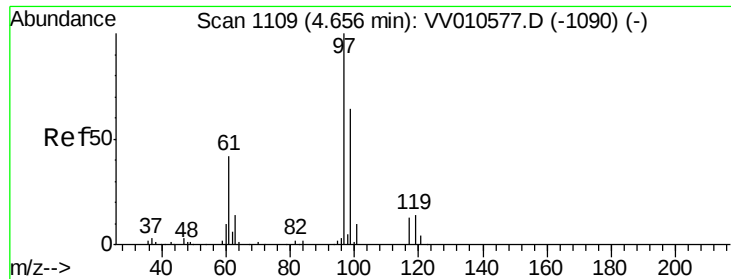
Tgt Ion: 83 Resp: 260455
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 9.935 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010578.D
Acq: 30 Apr 2019 16:50

Tgt Ion: 62 Resp: 151535
Ion Ratio Lower Upper
62 100
98 9.5 6.5 9.7

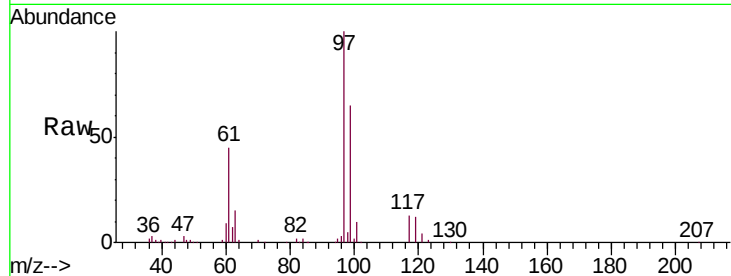




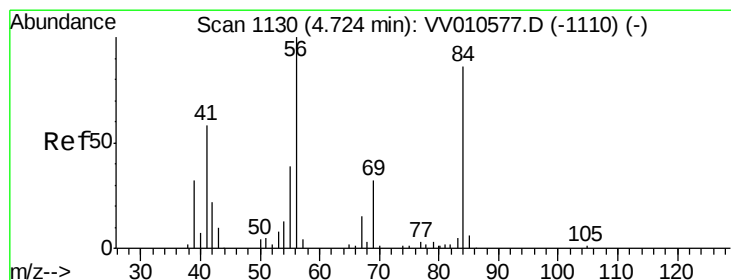
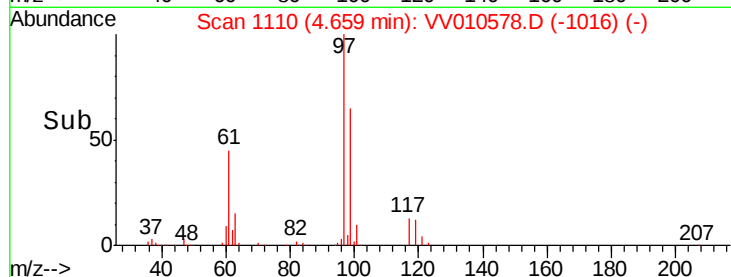
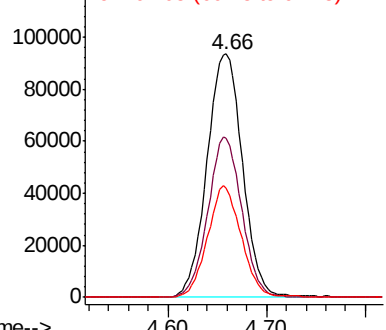
#29
 1,1,1-Trichloroethane
 Concen: 9.581 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01038

Tgt Ion: 97 Resp: 233311
 Ion Ratio Lower Upper
 97 100
 99 62.7 51.0 76.6
 61 43.3 34.7 52.1

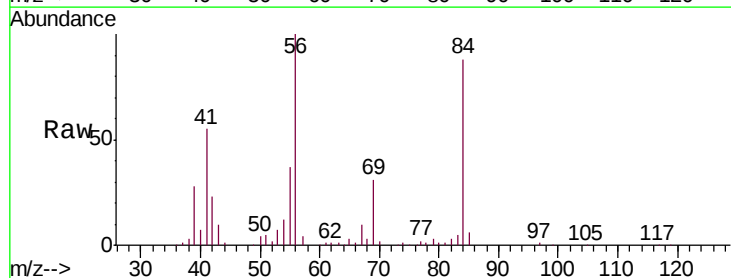


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

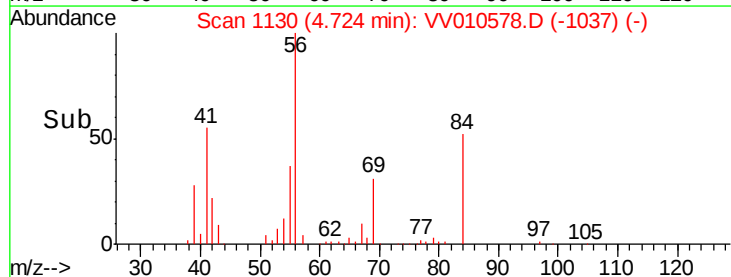
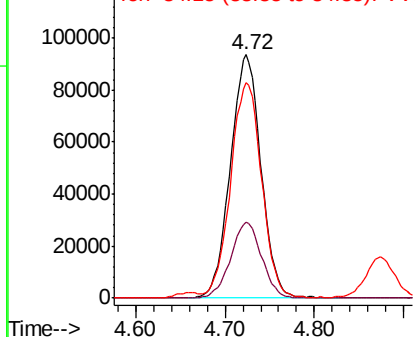


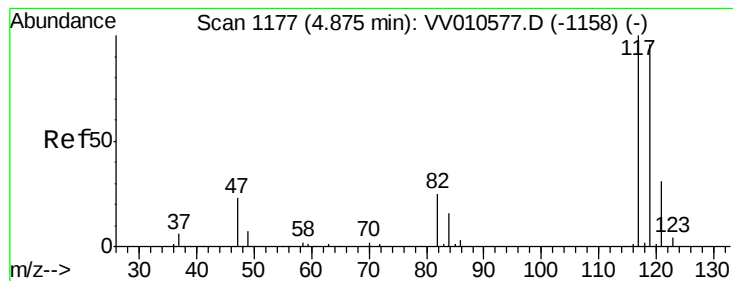
#30
 Cyclohexane
 Concen: 12.003 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Tgt Ion: 56 Resp: 221742
 Ion Ratio Lower Upper
 56 100
 69 31.7 24.5 36.7
 84 89.6 70.2 105.4



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





#31

Carbon tetrachloride

Concen: 9.232 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

Instrument :

MSVOA_V

ClientSampleId :

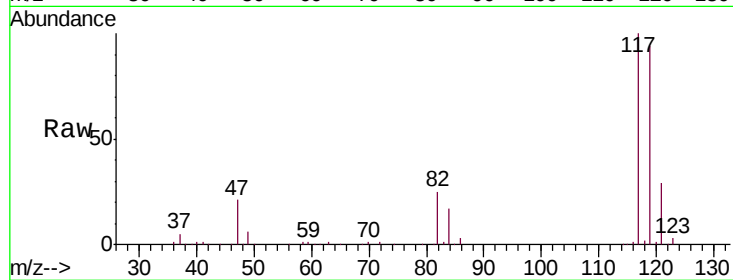
VSTD01038

Tgt Ion:117 Resp: 212811

Ion Ratio Lower Upper

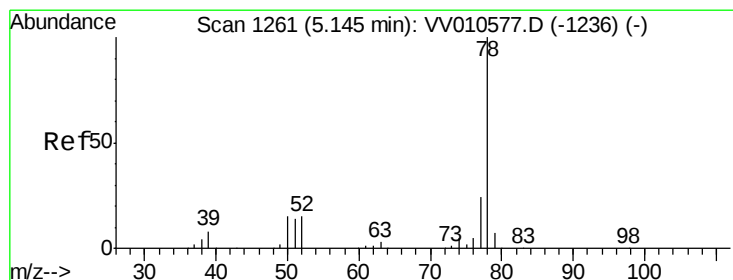
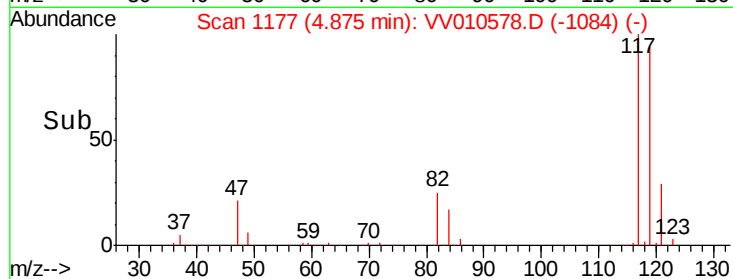
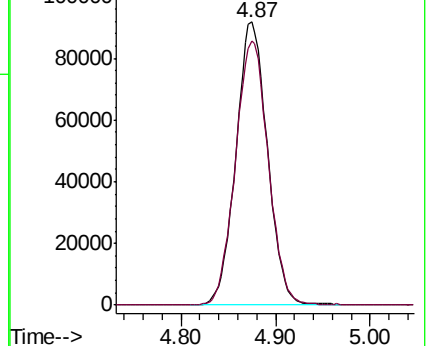
117 100

119 97.0 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.178 ug/L

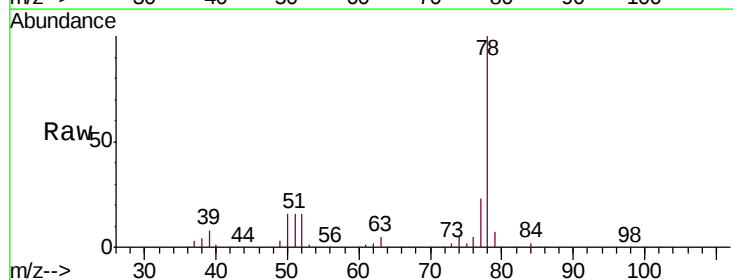
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

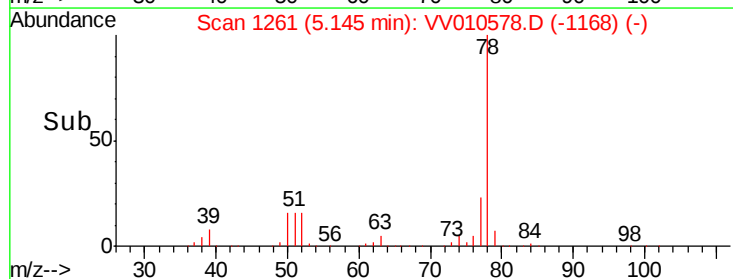
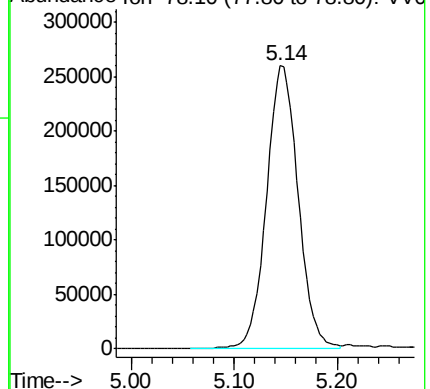
Lab File: VV010578.D

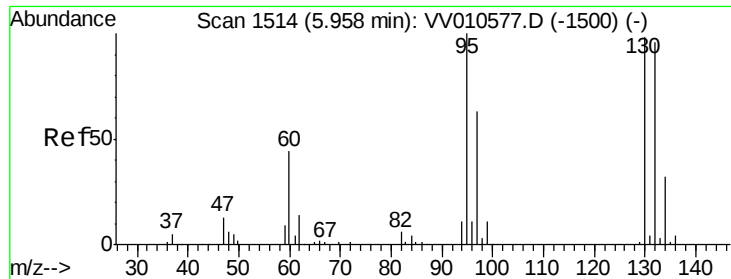
Acq: 30 Apr 2019 16:50

Tgt Ion: 78 Resp: 555774



Abundance Ion 78.10 (77.80 to 78.80): VV0

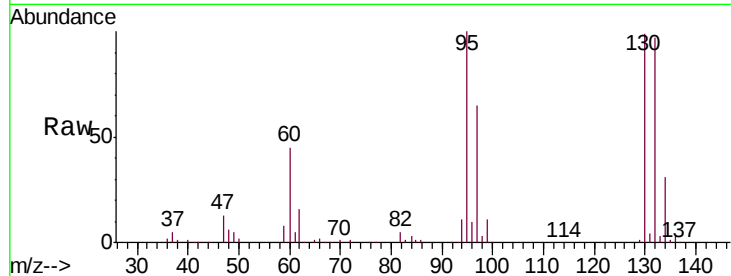




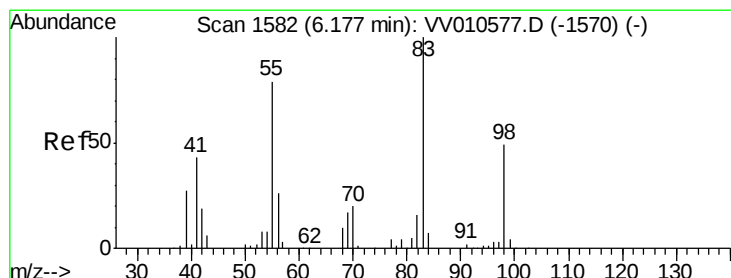
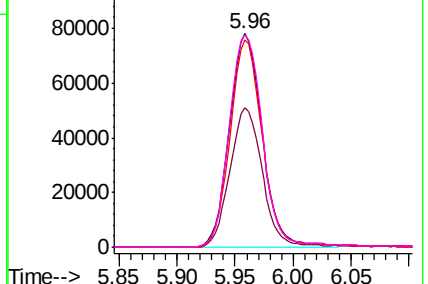
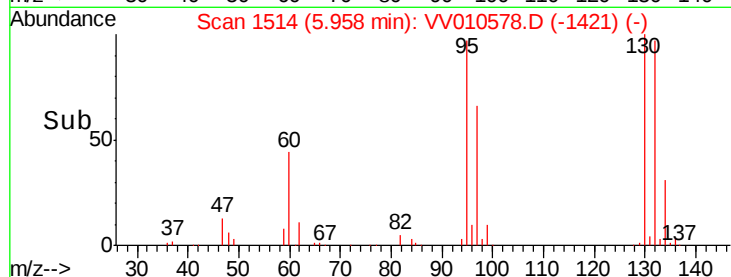
#34
 Trichloroethene
 Concen: 9.672 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01038

Tgt Ion: 95 Resp: 152787
 Ion Ratio Lower Upper
 95 100
 97 65.3 44.3 82.3
 132 97.0 67.1 124.7
 130 99.5 68.7 127.5

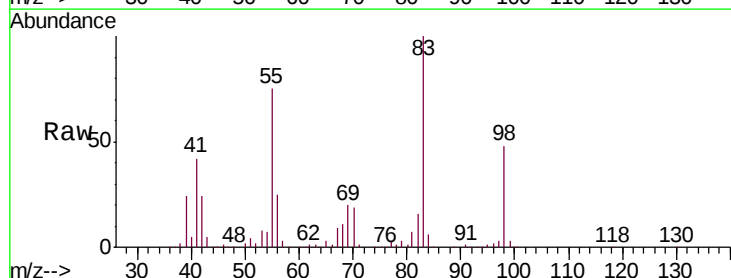


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

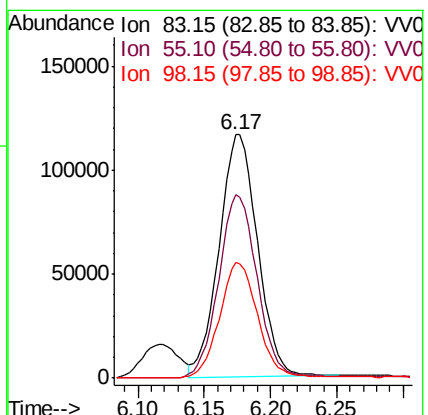
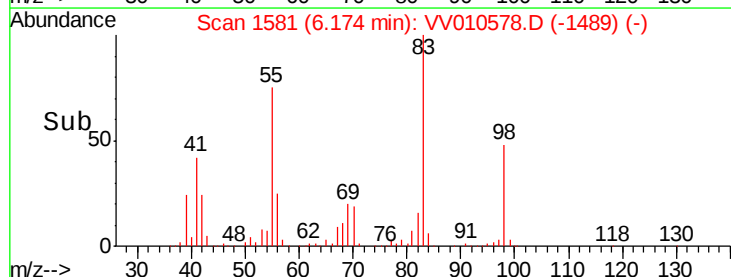


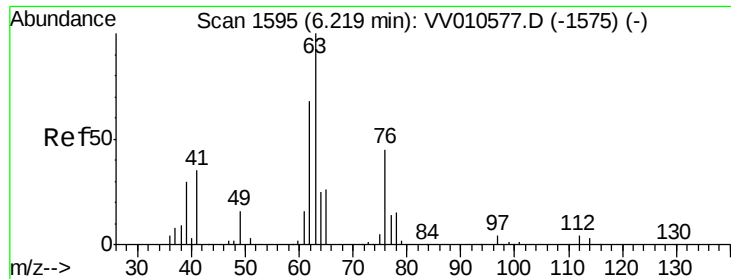
#35
 Methylcyclohexane
 Concen: 11.209 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Tgt Ion: 83 Resp: 234398
 Ion Ratio Lower Upper
 83 100
 55 75.5 62.6 94.0
 98 47.3 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

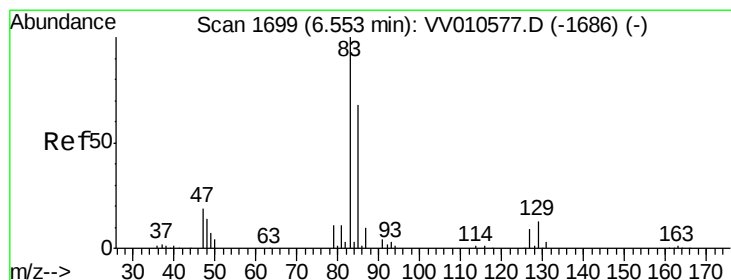
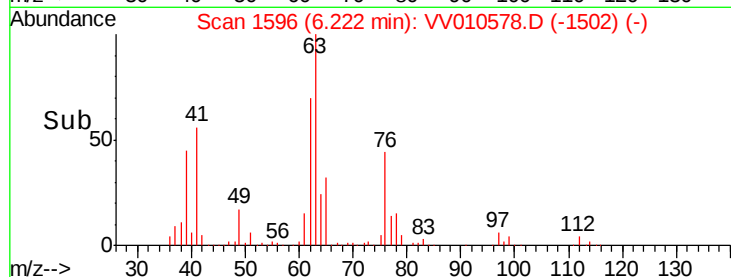
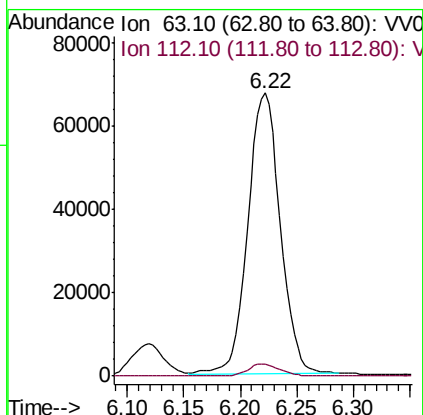
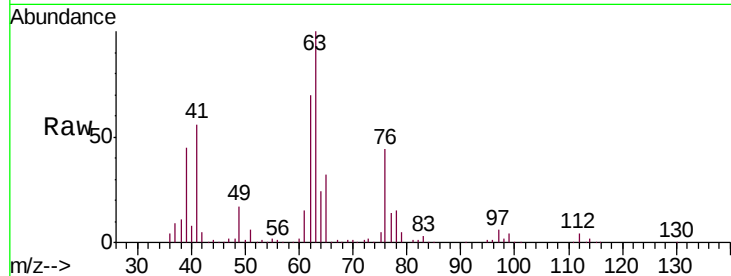




#37
 1,2-Dichloropropane
 Concen: 10.728 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

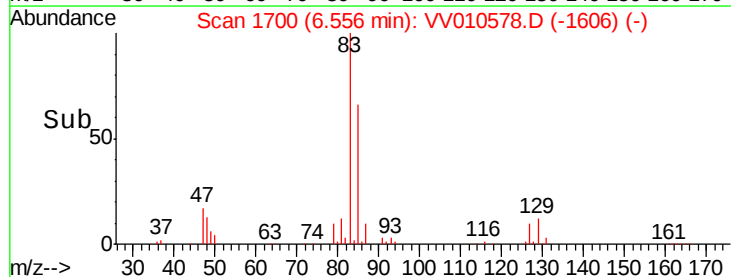
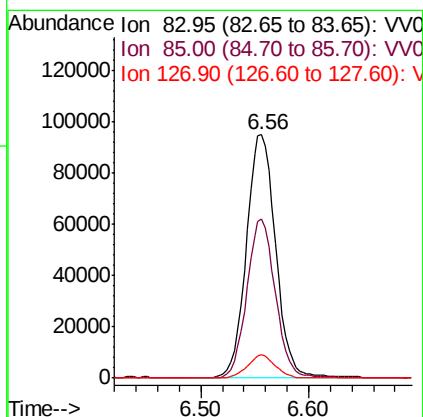
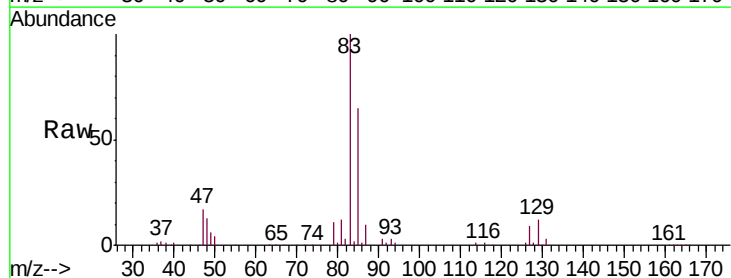
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01038

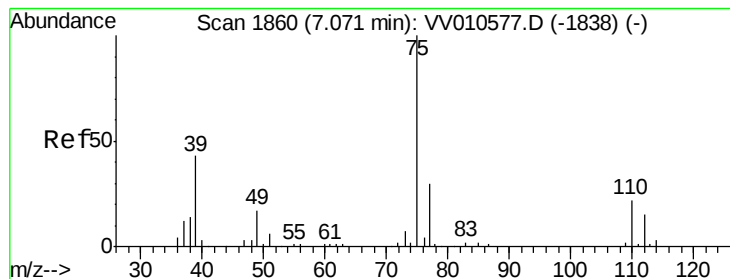
Tgt Ion: 63 Resp: 135324
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 9.932 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Tgt Ion: 83 Resp: 178288
 Ion Ratio Lower Upper
 83 100
 85 65.4 47.7 88.7
 127 9.5 6.9 10.3



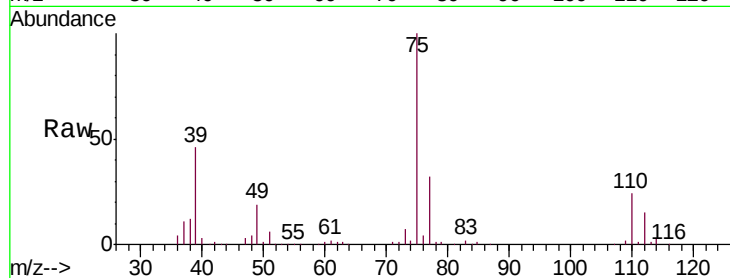


#39

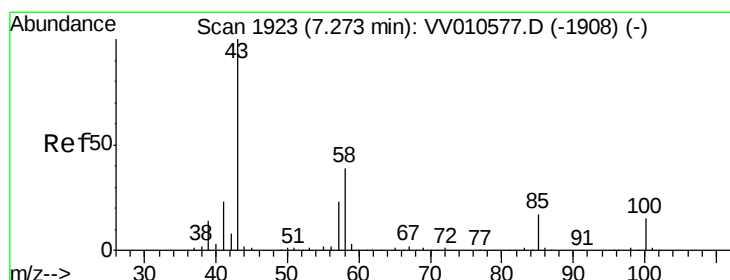
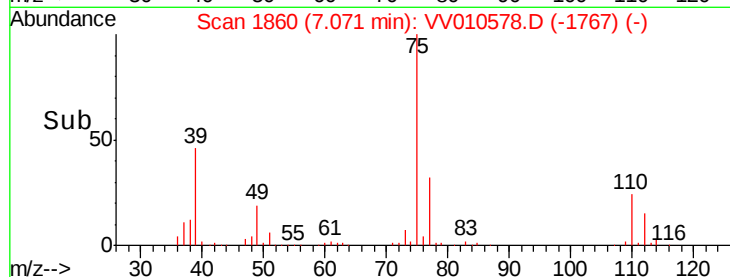
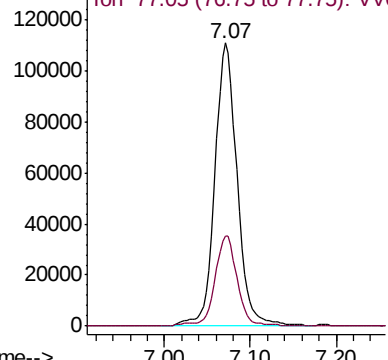
cis-1,3-Dichloropropene
Concen: 10.956 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV010578.D
Acq: 30 Apr 2019 16:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD01038

Tgt Ion: 75 Resp: 199826
Ion Ratio Lower Upper
75 100
77 31.8 20.9 38.7



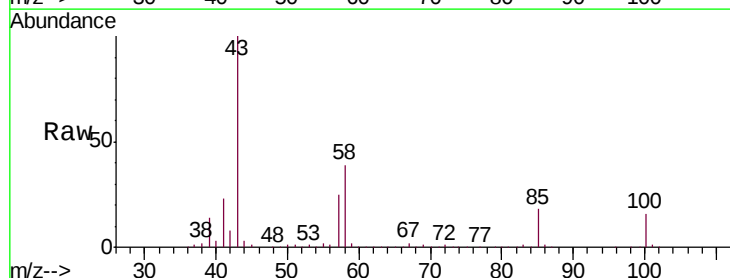
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



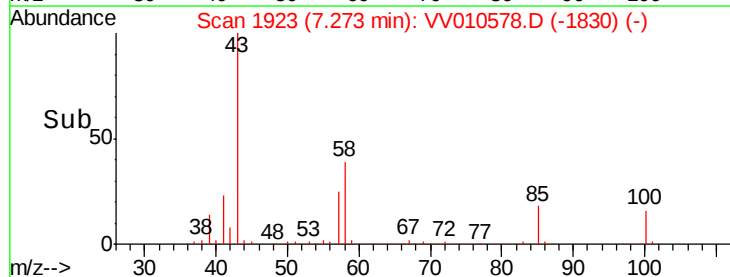
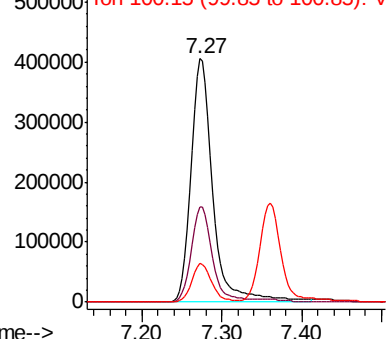
#40

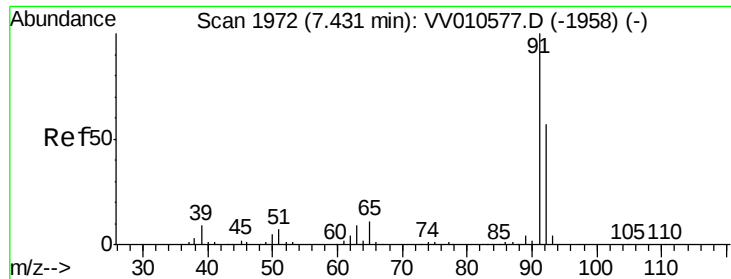
4-Methyl-2-pentanone
Concen: 113.963 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV010578.D
Acq: 30 Apr 2019 16:50

Tgt Ion: 43 Resp: 773567
Ion Ratio Lower Upper
43 100
58 37.6 30.2 45.4
100 14.5 11.3 16.9



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





#42

Toluene

Concen: 10.756 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

Instrument :

MSVOA_V

ClientSampleId :

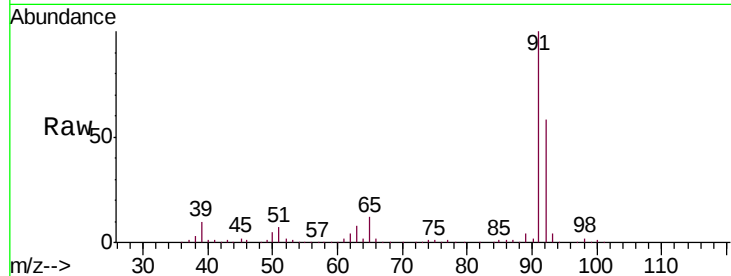
VSTD01038

Tgt Ion: 91 Resp: 641176

Ion Ratio Lower Upper

91 100

92 58.0 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV010577.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV010578.D (-1879) (-)

7.43

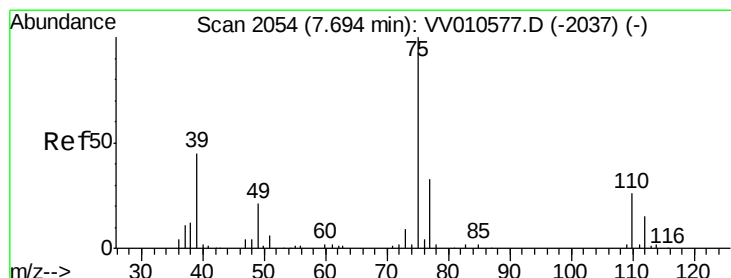
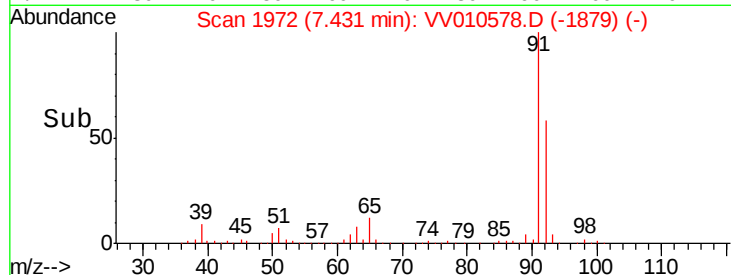
300000

200000

100000

0

Time--> 7.30 7.40 7.50 7.60



#44

trans-1,3-Dichloropropene

Concen: 10.723 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010578.D

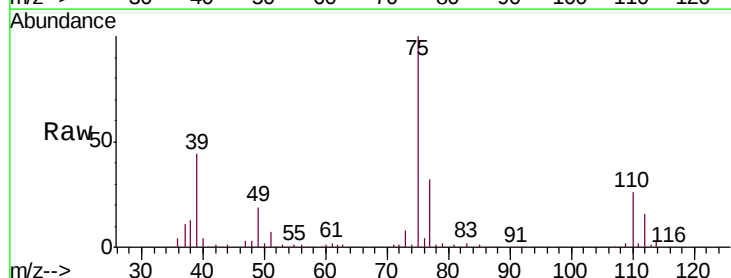
Acq: 30 Apr 2019 16:50

Tgt Ion: 75 Resp: 153081

Ion Ratio Lower Upper

75 100

77 32.1 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV010577.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV010578.D (-1961) (-)

7.69

100000

80000

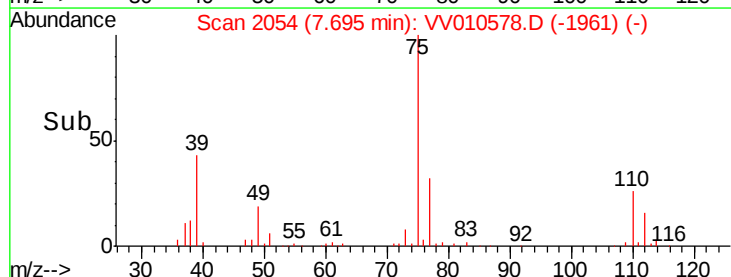
60000

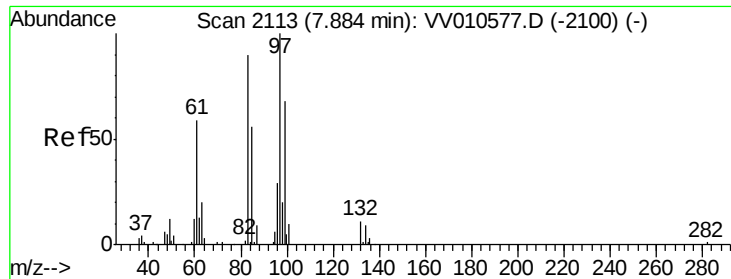
40000

20000

0

Time--> 7.60 7.65 7.70 7.75 7.80

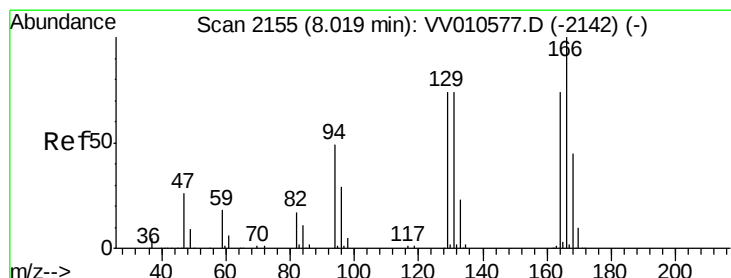
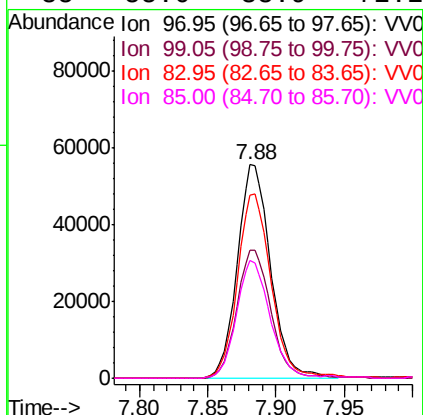
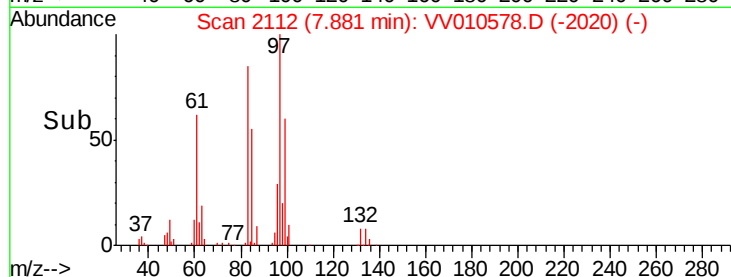
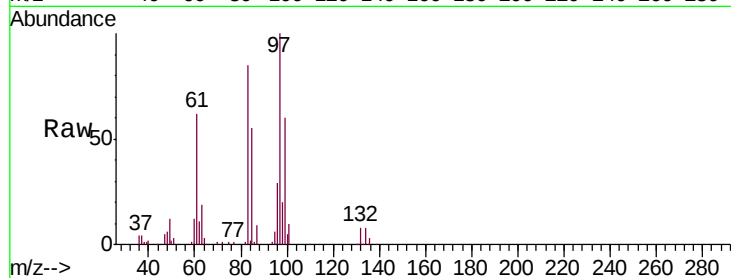




#45
 1,1,2-Trichloroethane
 Concen: 9.086 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

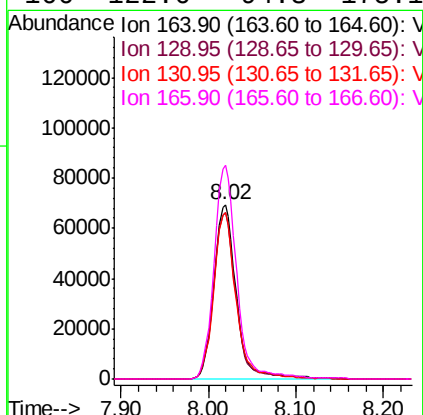
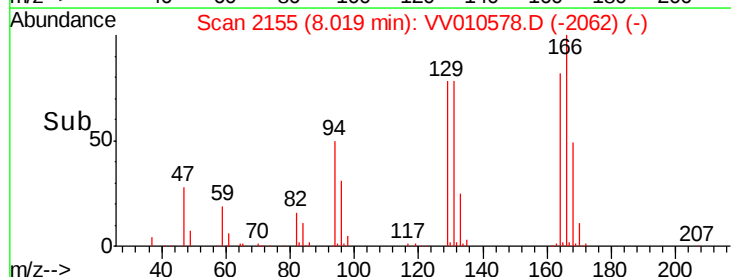
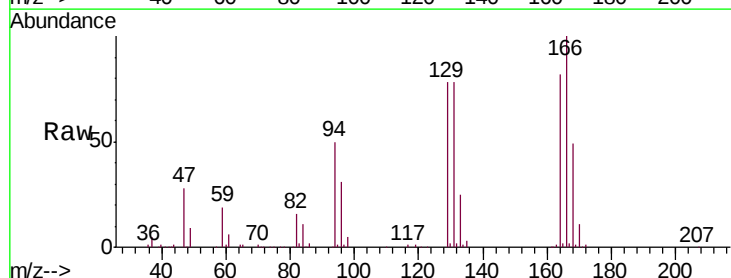
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01038

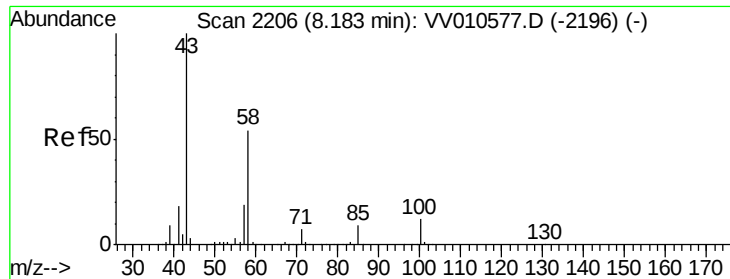
Tgt Ion:	97	Resp:	94769
Ion	Ratio	Lower	Upper
97	100		
99	59.7	47.9	89.1
83	85.5	62.9	116.9
85	55.0	38.9	72.2



#47
 Tetrachloroethene
 Concen: 8.680 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Tgt Ion:	164	Resp:	123500
Ion	Ratio	Lower	Upper
164	100		
129	95.3	69.8	129.6
131	95.9	70.2	130.4
166	122.6	94.3	175.1

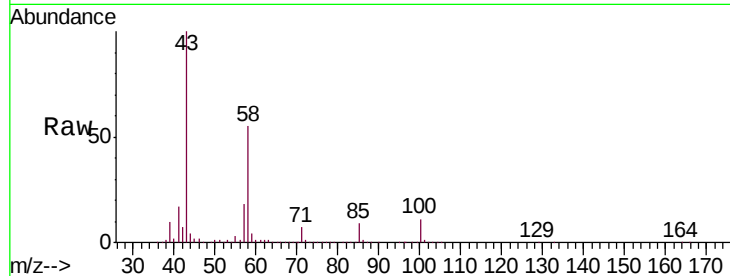




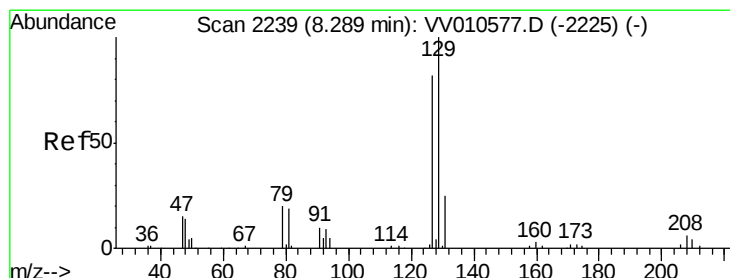
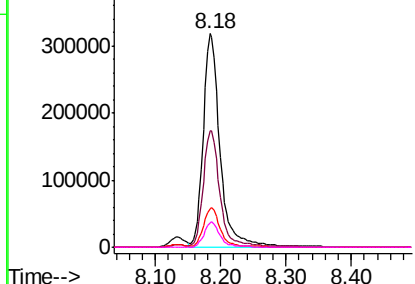
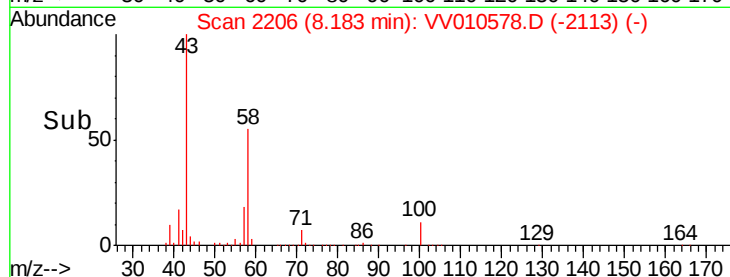
#48
2-Hexanone
Concen: 119.347 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010578.D
Acq: 30 Apr 2019 16:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD01038

Tgt Ion: 43 Resp: 566402
Ion Ratio Lower Upper
43 100
58 52.0 42.2 63.4
57 18.2 14.4 21.6
100 11.3 9.0 13.6

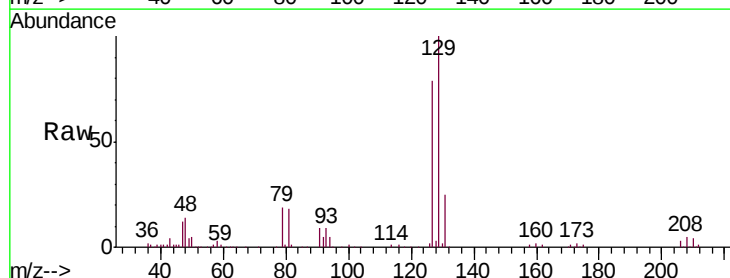


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

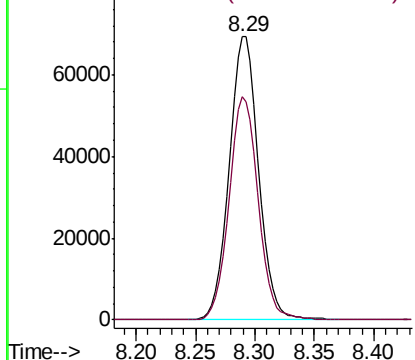
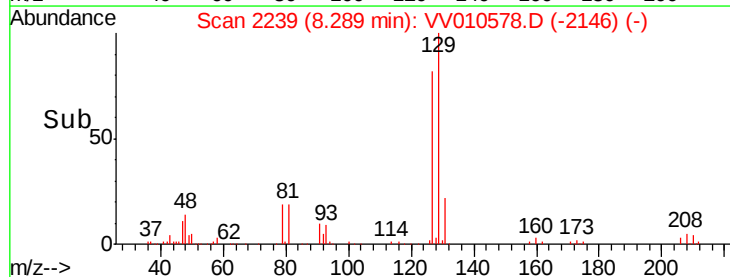


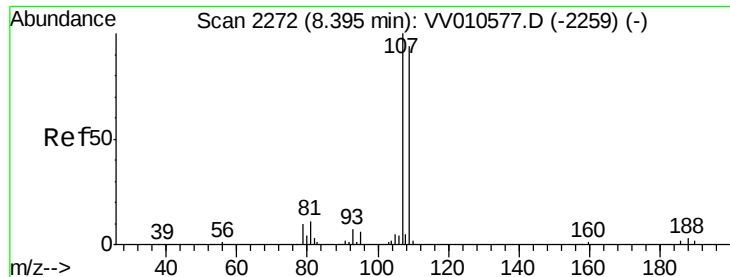
#49
Dibromochloromethane
Concen: 9.454 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010578.D
Acq: 30 Apr 2019 16:50

Tgt Ion: 129 Resp: 118640
Ion Ratio Lower Upper
129 100
127 78.8 57.5 106.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

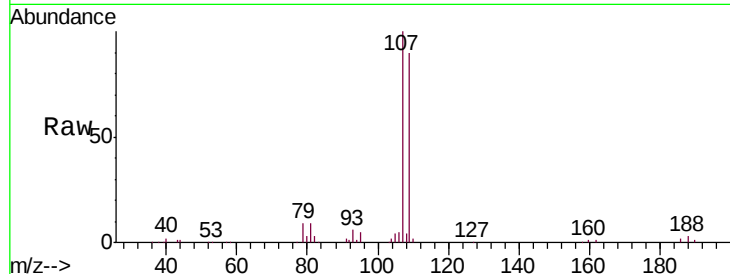




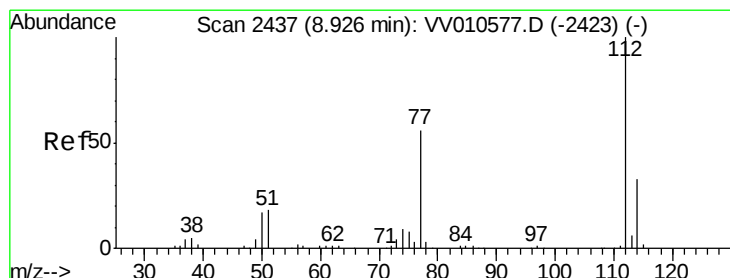
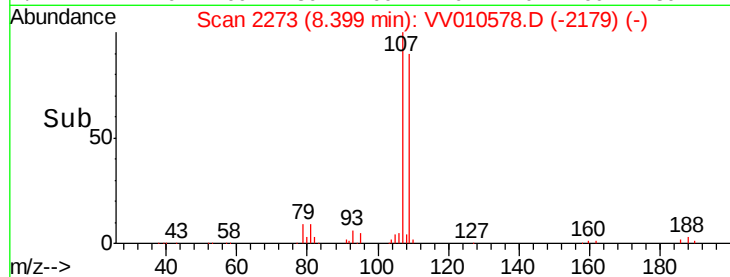
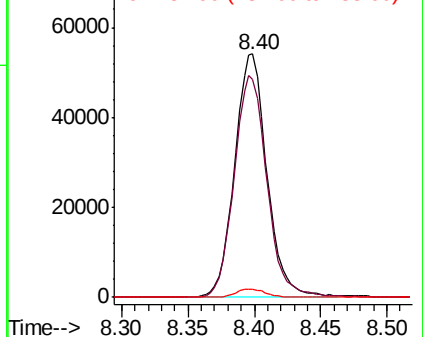
#50
1,2-Dibromoethane
Concen: 9.578 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV010578.D
Acq: 30 Apr 2019 16:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD01038

Tgt Ion:107 Resp: 91666
Ion Ratio Lower Upper
107 100
109 89.8 66.0 122.6
188 3.2 2.7 4.1

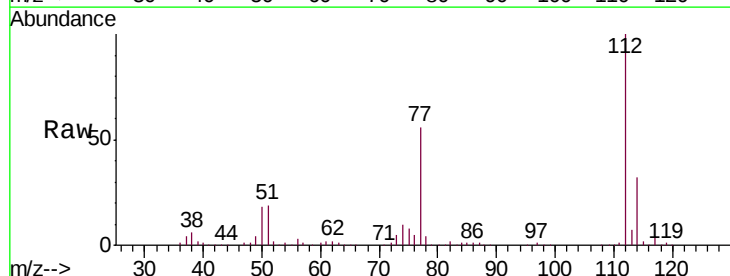


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

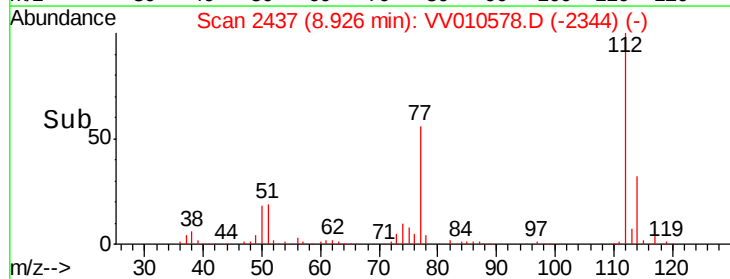
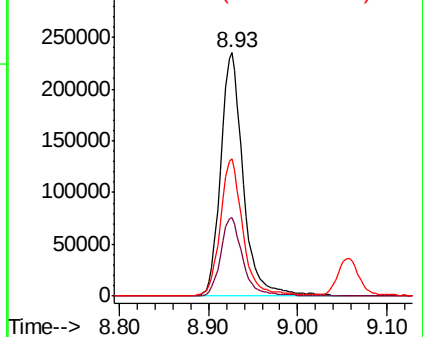


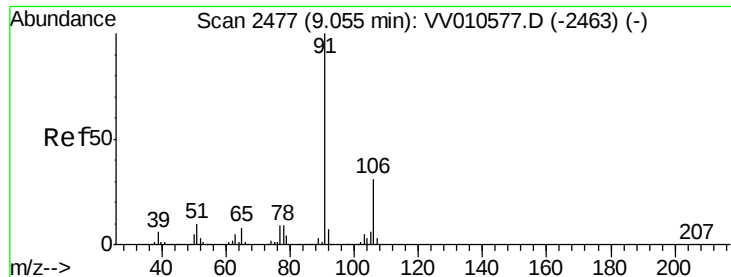
#51
Chlorobenzene
Concen: 9.858 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010578.D
Acq: 30 Apr 2019 16:50

Tgt Ion:112 Resp: 411730
Ion Ratio Lower Upper
112 100
114 32.3 23.1 42.9
77 56.5 44.9 67.3



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): V





#52

Ethylbenzene

Concen: 11.146 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

Instrument :

MSVOA_V

ClientSampleId :

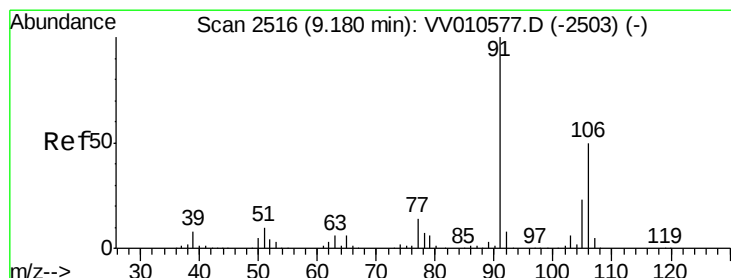
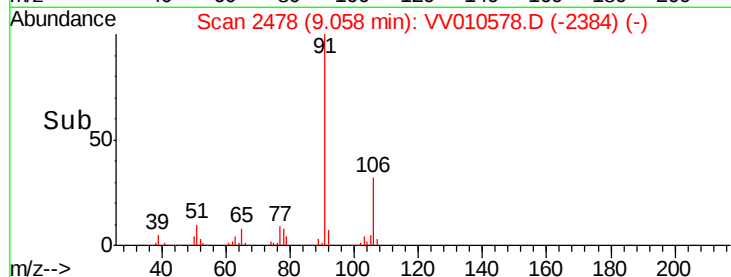
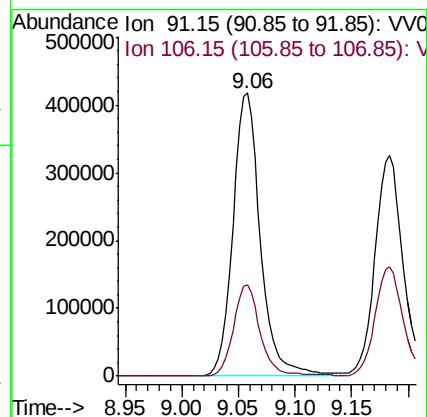
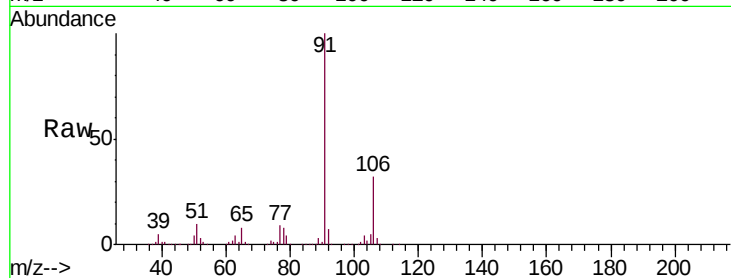
VSTD01038

Tgt Ion: 91 Resp: 707138

Ion Ratio Lower Upper

91 100

106 32.3 21.8 40.4



#53

m,p-xylene

Concen: 11.105 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010578.D

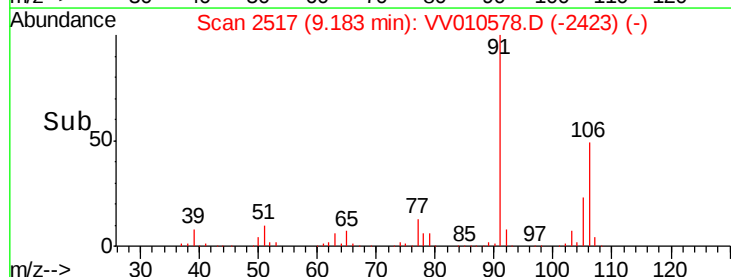
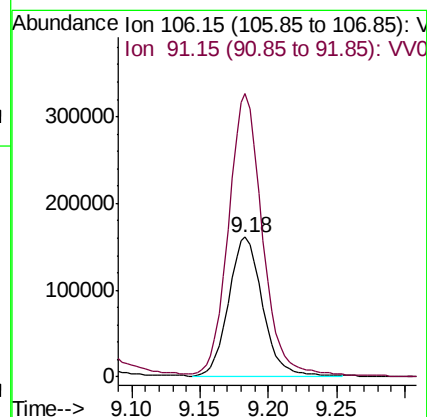
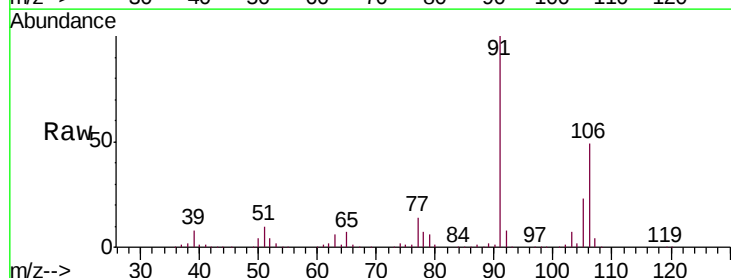
Acq: 30 Apr 2019 16:50

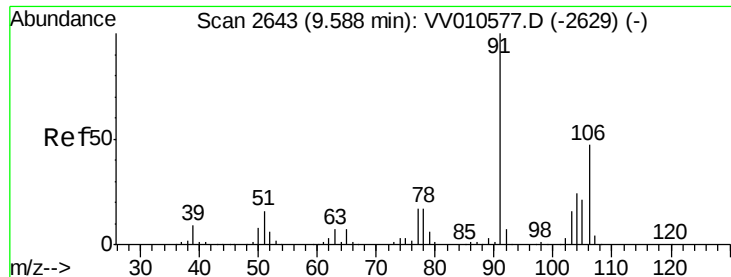
Tgt Ion: 106 Resp: 275527

Ion Ratio Lower Upper

106 100

91 202.4 140.3 260.5





#54

o-xylene

Concen: 11.247 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

Instrument :

MSVOA_V

ClientSampleId :

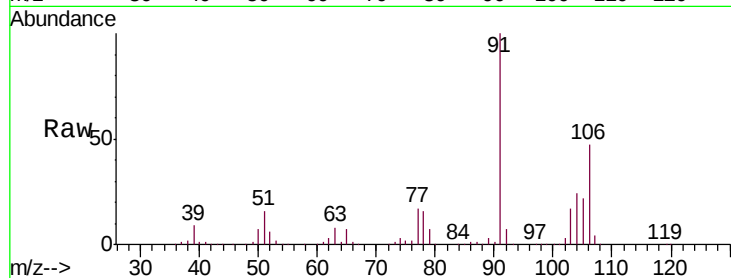
VSTD01038

Tgt Ion:106 Resp: 273719

Ion Ratio Lower Upper

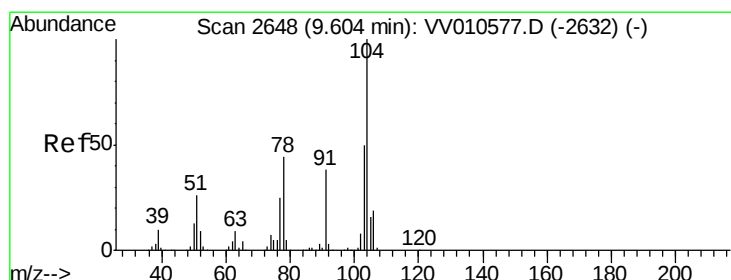
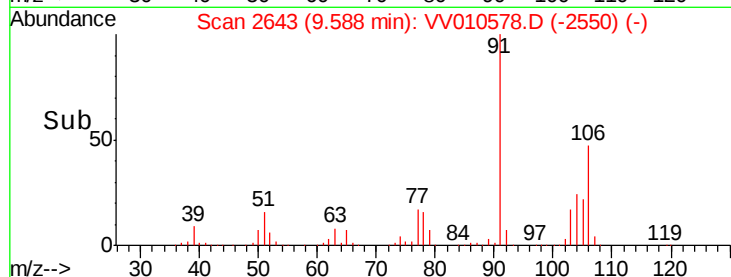
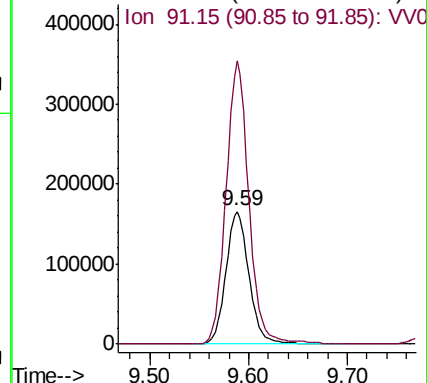
106 100

91 213.3 150.6 279.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 11.444 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010578.D

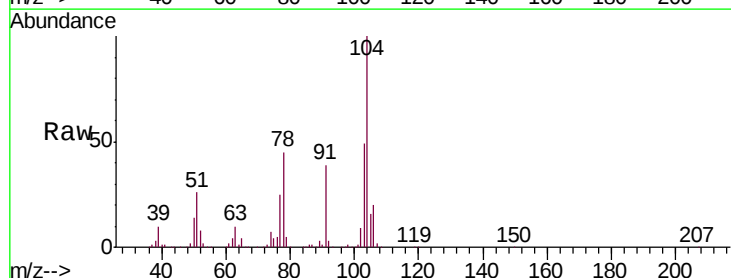
Acq: 30 Apr 2019 16:50

Tgt Ion:104 Resp: 457797

Ion Ratio Lower Upper

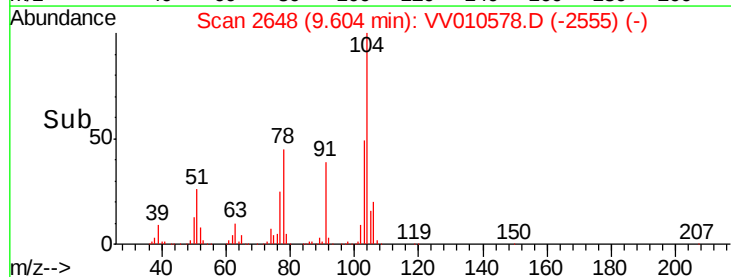
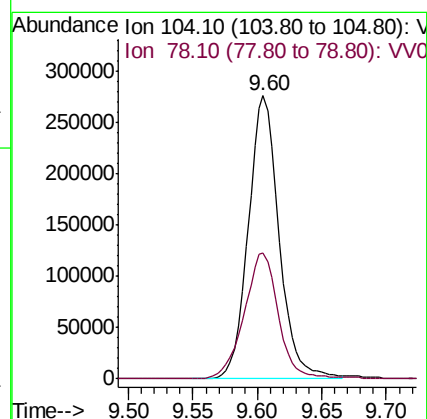
104 100

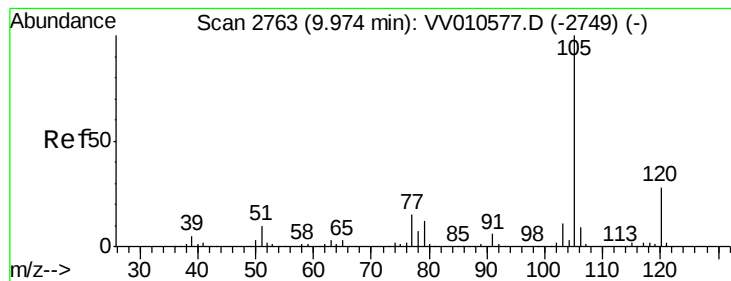
78 44.5 30.7 57.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 11.069 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD01038

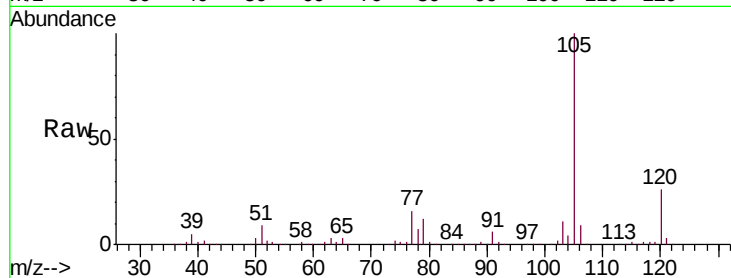
Tgt Ion: 105 Resp: 706267

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

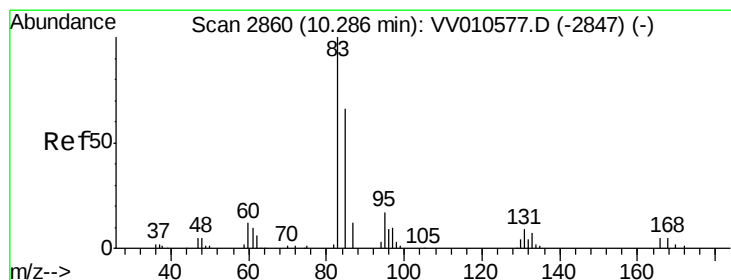
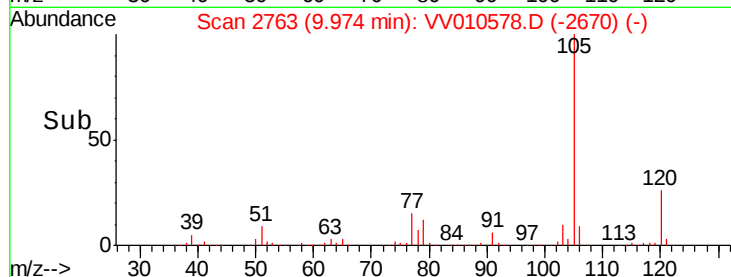
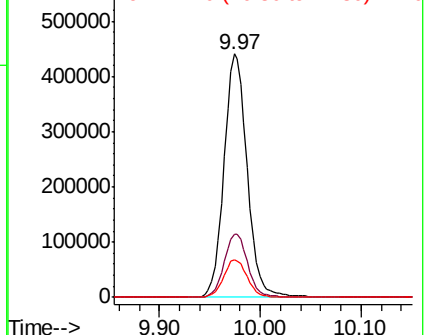
77 15.9 12.5 18.7



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: 9.696 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

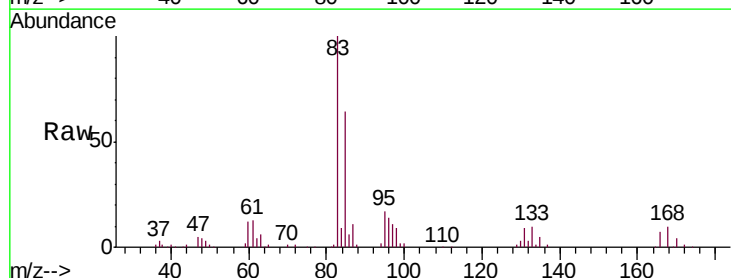
Tgt Ion: 83 Resp: 109898

Ion Ratio Lower Upper

83 100

85 64.2 46.3 85.9

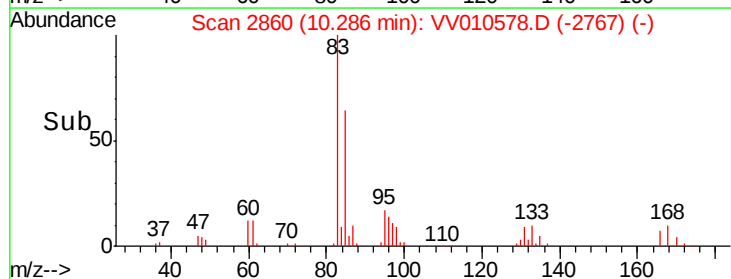
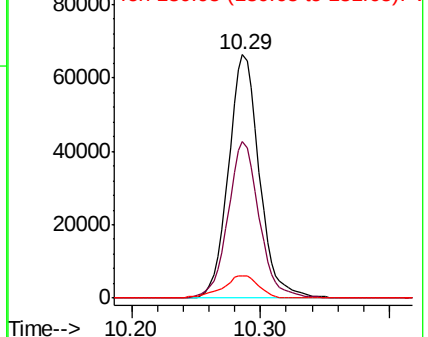
131 9.3 7.8 11.8

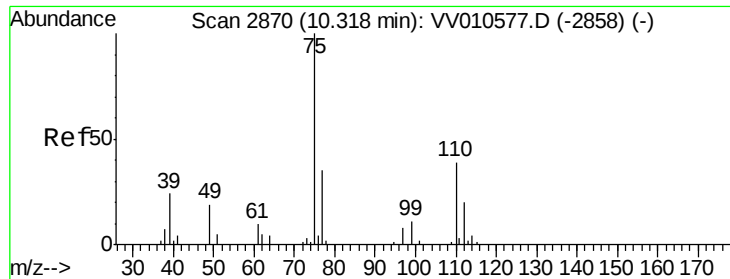


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

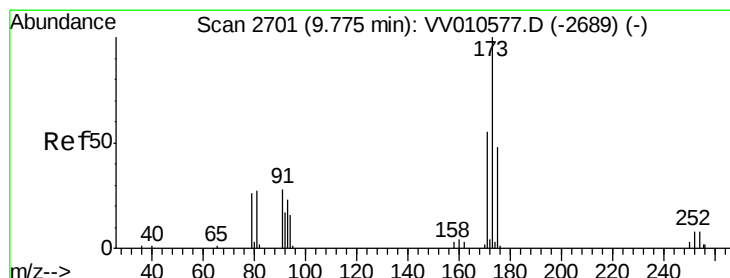
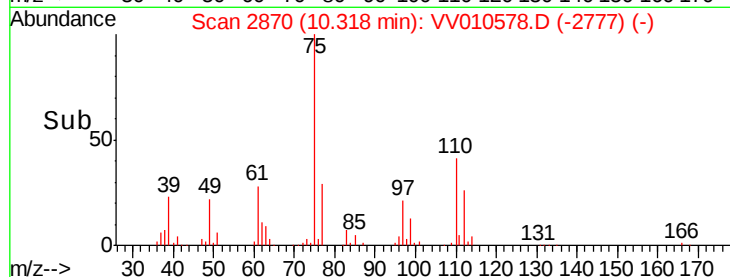
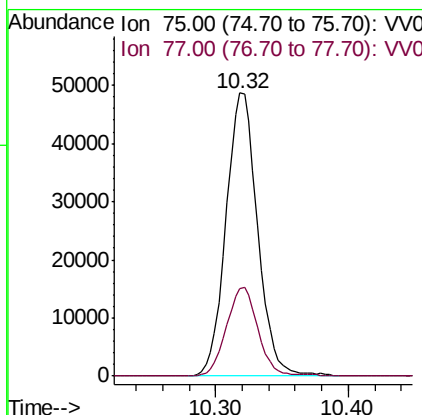
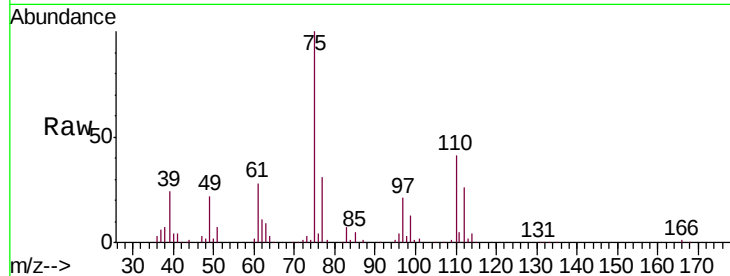




#59
 1,2,3-Trichloropropane
 Concen: 9.998 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

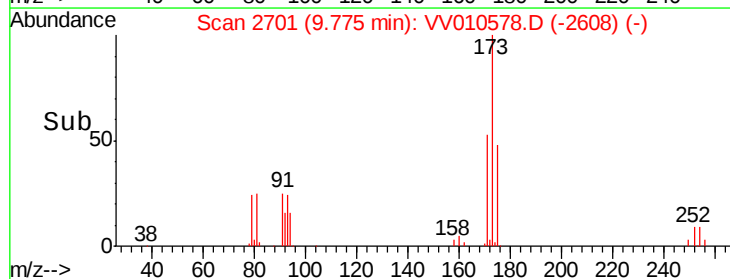
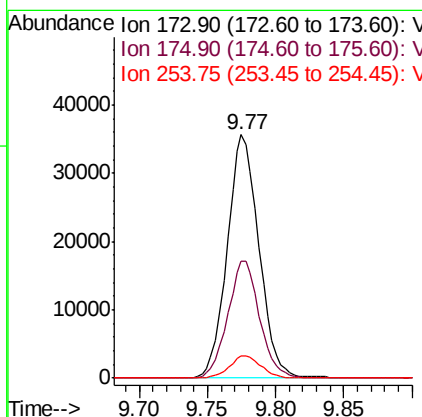
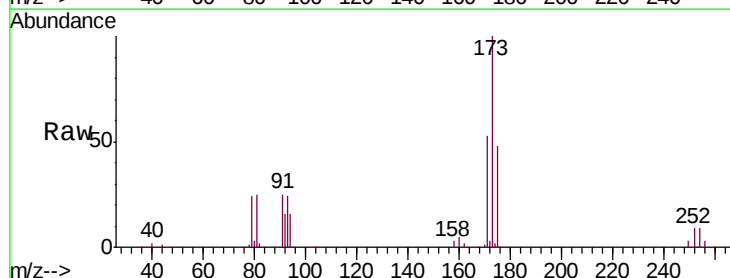
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01038

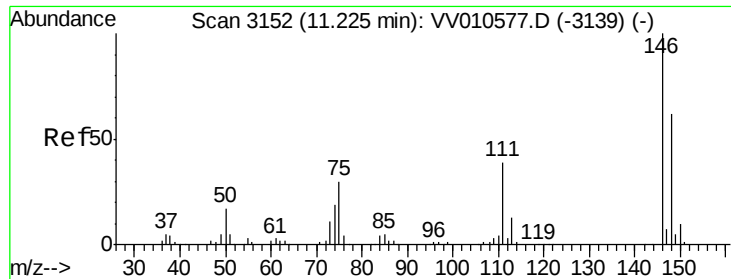
Tgt Ion: 75 Resp: 80608
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.2 39.2



#61
 Bromoform
 Concen: 9.134 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Tgt Ion: 173 Resp: 57505
 Ion Ratio Lower Upper
 173 100
 175 48.2 40.6 60.8
 254 9.1 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 9.939 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD01038

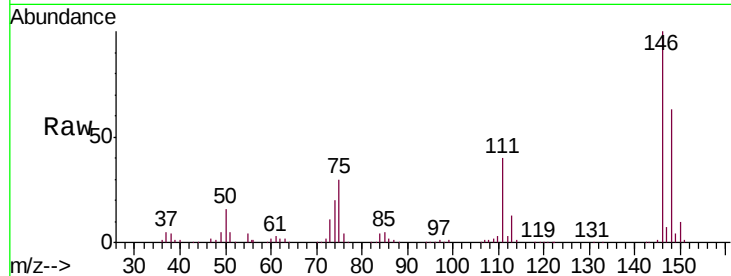
Tgt Ion:146 Resp: 305737

Ion Ratio Lower Upper

146 100

111 39.7 27.6 51.4

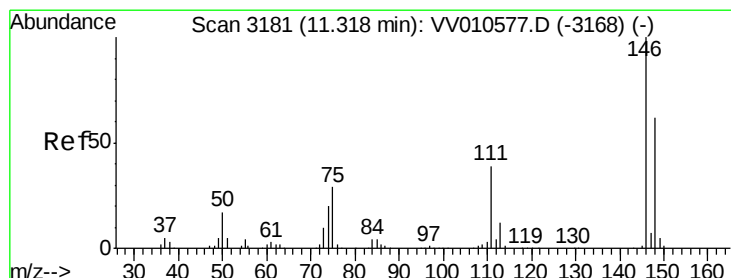
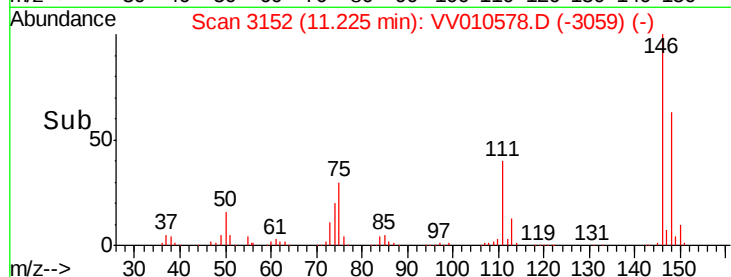
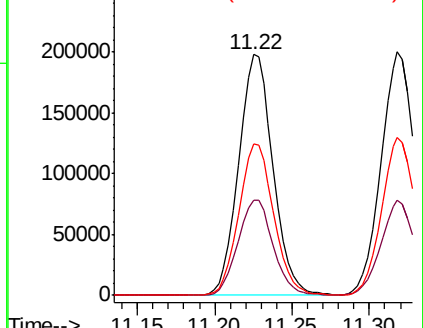
148 63.0 43.0 80.0



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: 9.876 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

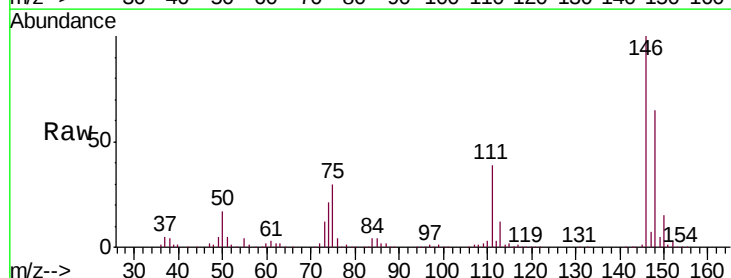
Tgt Ion:146 Resp: 311969

Ion Ratio Lower Upper

146 100

111 39.2 27.4 50.8

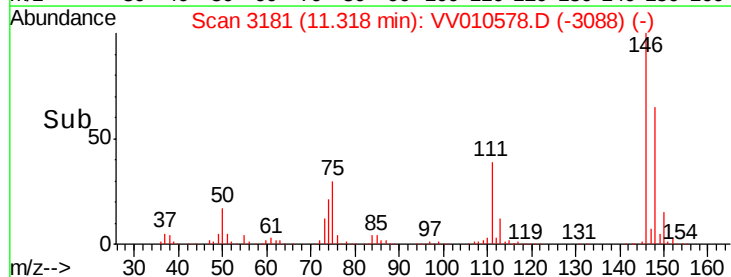
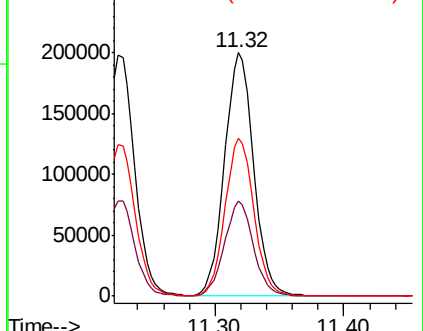
148 65.0 43.3 80.3

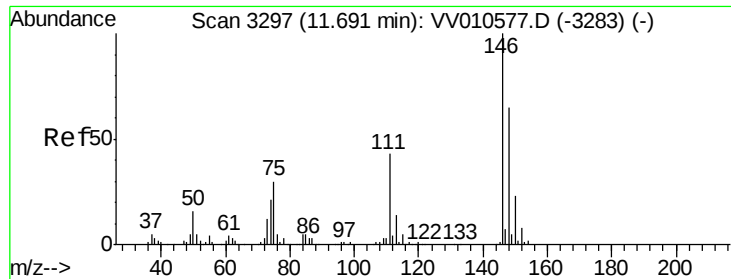


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

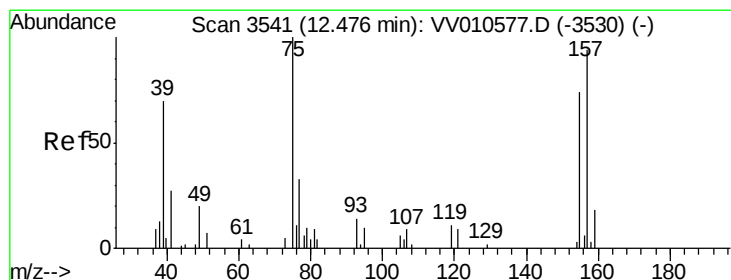
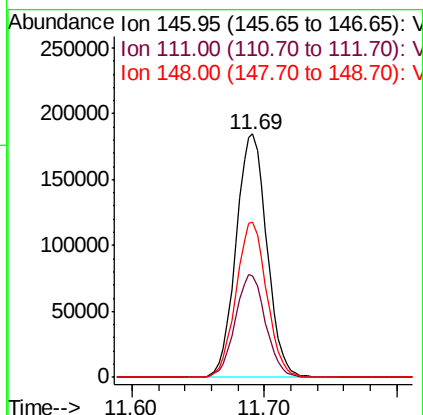
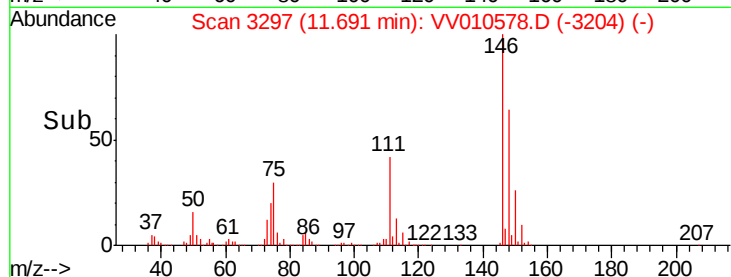
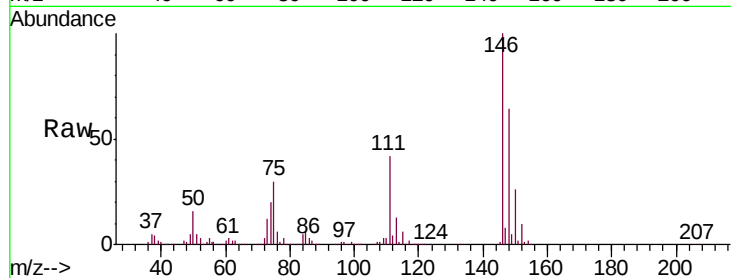




#65
 1,2-Dichlorobenzene
 Concen: 9.878 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

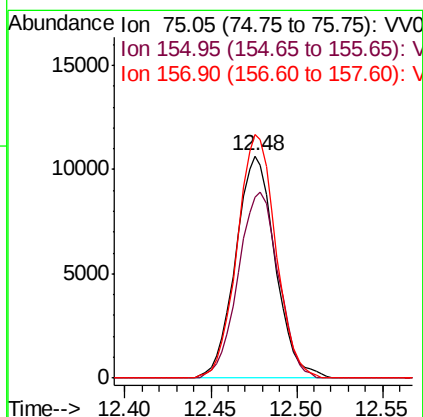
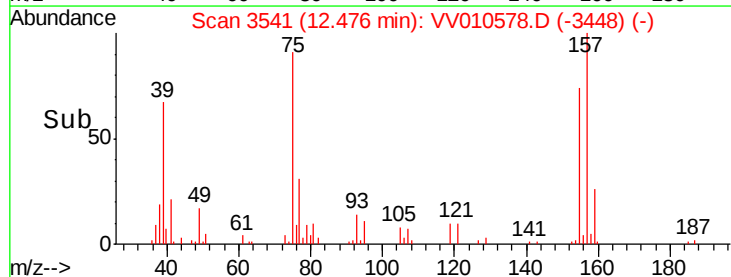
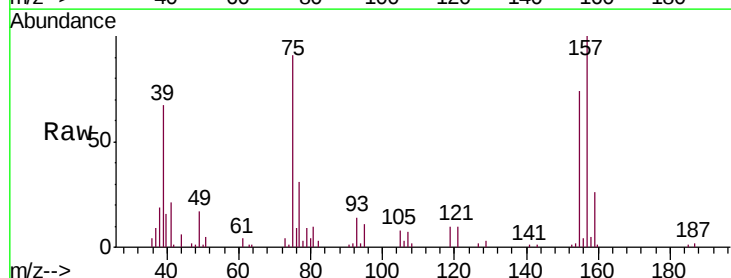
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01038

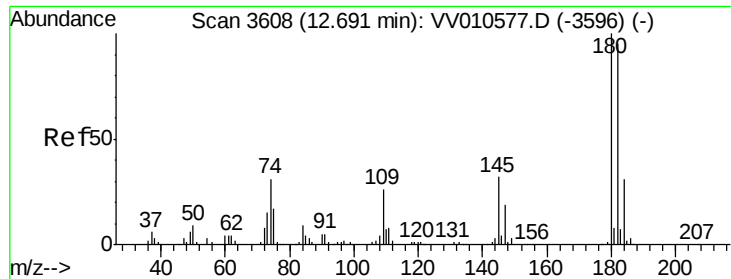
Tgt Ion: 146 Resp: 297297
 Ion Ratio Lower Upper
 146 100
 111 41.6 34.4 51.6
 148 63.9 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.066 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Tgt Ion: 75 Resp: 17074
 Ion Ratio Lower Upper
 75 100
 155 81.4 59.4 89.2
 157 109.5 75.4 113.2

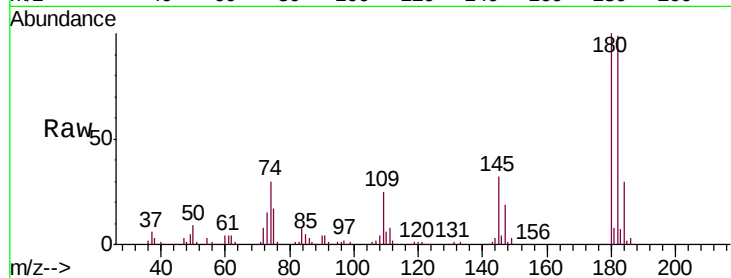




#67
 1,3,5-Trichlorobenzene
 Concen: 9.202 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01038

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.7	115.1
184	30.2	25.2	37.8
145	31.7	25.0	37.4



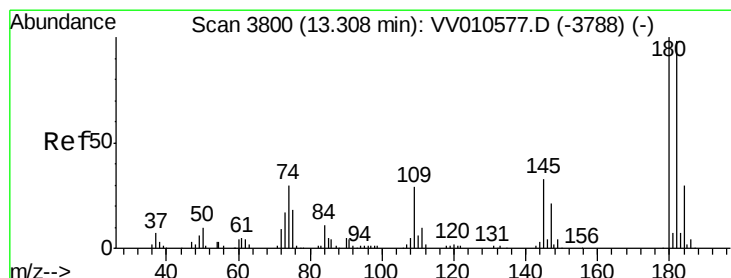
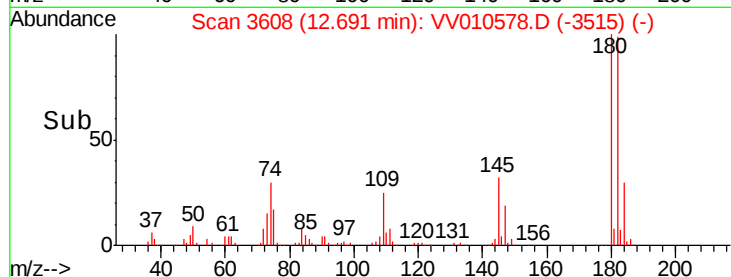
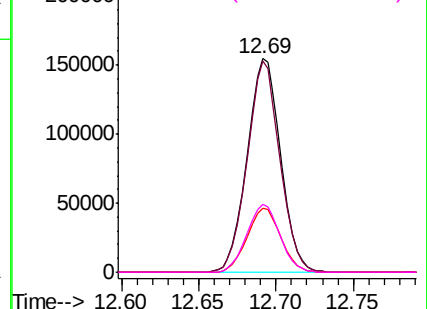
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

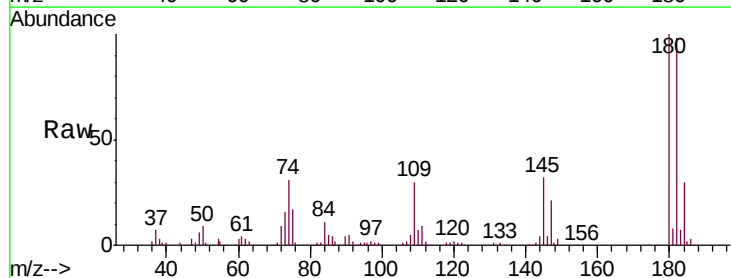
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 9.406 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010578.D
 Acq: 30 Apr 2019 16:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.2	115.8
145	31.9	25.9	38.9

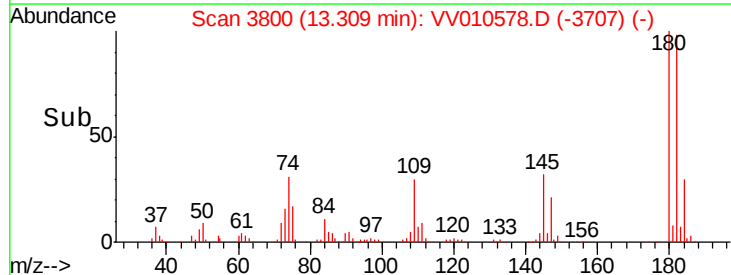
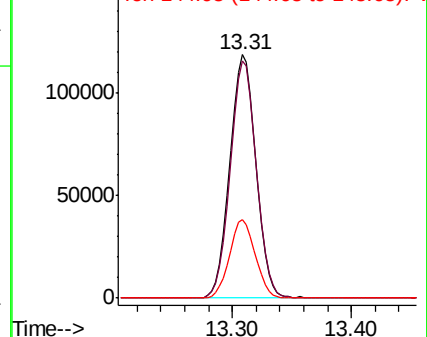


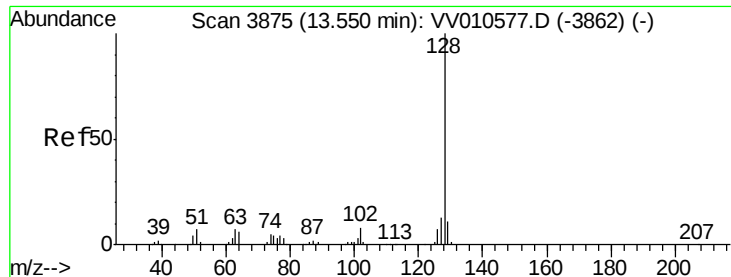
Abundance

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: 10.961 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD01038

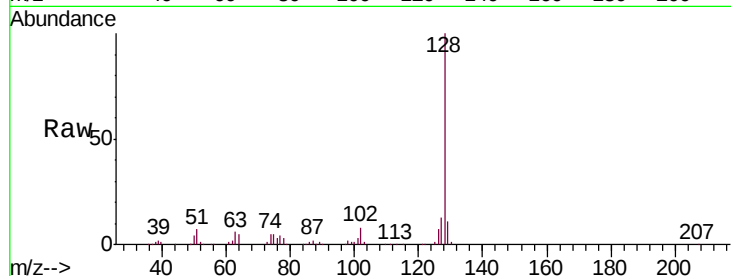
Tgt Ion:128 Resp: 315256

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

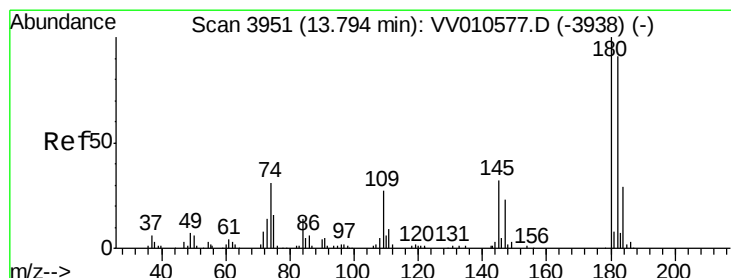
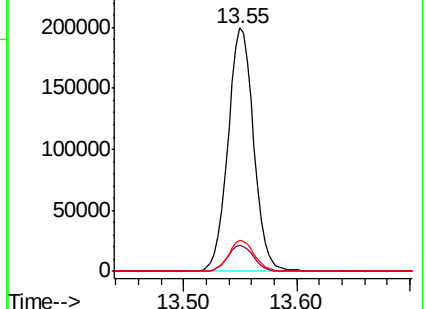
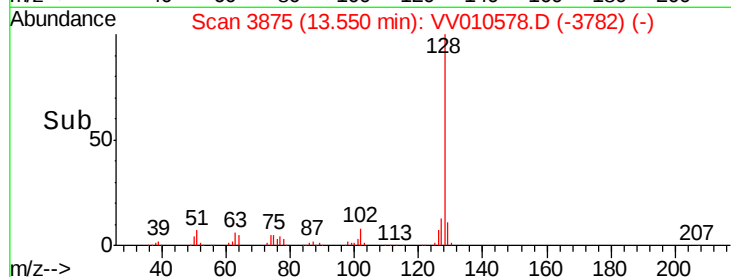
127 12.7 10.7 16.1



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: 9.167 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV010578.D

Acq: 30 Apr 2019 16:50

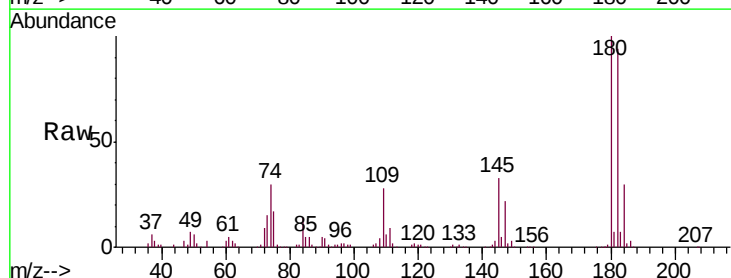
Tgt Ion:180 Resp: 172700

Ion Ratio Lower Upper

180 100

182 95.2 73.4 110.0

145 33.3 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

