

Data File : VV012214.D
Acq On : 13 Aug 2019 14:22
Operator : SY/MD
Sample : VSTD0.535
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Quant Time: Aug 14 02:04:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 14 02:01:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	232956	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	219163	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	101444	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8848	0.84	ug/L	0.00
7) Chloroethane-d5	1.58	69	6194	0.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	14056	0.69	ug/L	0.00
20) 2-Butanone-d5	3.98	46	15585	5.89	ug/L	0.02
24) Chloroform-d	4.40	84	15522	0.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	7671	0.53	ug/L	0.00
32) Benzene-d6	5.10	84	31270	0.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	9724	0.67	ug/L	0.00
41) Toluene-d8	7.36	98	27571	0.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3183	0.45	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	8239	3.60	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	6191	0.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	10166	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11056	0.498 ug/L	97
3) Chloromethane	1.25	50	10563	0.886 ug/L	98
5) Vinyl chloride	1.32	62	10681	0.802 ug/L	98
6) Bromomethane	1.53	94	6145	0.806 ug/L	96
8) Chloroethane	1.60	64	6252	0.835 ug/L	98
9) Trichlorofluoromethane	1.77	101	13466	0.584 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7087	0.668 ug/L	96
12) 1,1-Dichloroethene	2.14	96	6834	0.701 ug/L	94
13) Acetone	2.23	43	11195	7.032 ug/L	96
14) Carbon disulfide	2.31	76	17988	0.655 ug/L #	92
15) Methyl Acetate	2.48	43	3260	0.912 ug/L #	66
16) Methylene chloride	2.53	84	7548	0.721 ug/L	94
17) Methyl tert-butyl Ether	2.81	73	15653	0.480 ug/L #	94
18) trans-1,2-Dichloroethene	2.78	96	8029	0.562 ug/L	87
19) 1,1-Dichloroethane	3.23	63	15538	0.643 ug/L	93
21) 2-Butanone	4.06	43	6651	2.293 ug/L	77
22) cis-1,2-Dichloroethene	3.96	96	8962	0.565 ug/L	94
23) Bromochloromethane	4.30	128	3751	0.506 ug/L	96
25) Chloroform	4.42	83	19370	0.647 ug/L	97
27) 1,2-Dichloroethane	5.18	62	9206	0.520 ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	13151	0.483 ug/L	98
30) Cyclohexane	4.71	56	12535	0.597 ug/L	99
31) Carbon tetrachloride	4.87	117	12003	0.461 ug/L	95
33) Benzene	5.14	78	31398	0.556 ug/L	100
34) Trichloroethene	5.96	95	9641	0.590 ug/L	97
35) Methylcyclohexane	6.17	83	12573	0.489 ug/L	97
37) 1,2-Dichloropropane	6.22	63	8356	0.655 ug/L #	97
38) Bromodichloromethane	6.55	83	10769	0.531 ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	10120	0.465 ug/L	92
40) 4-Methyl-2-pentanone	7.28	43	39494	5.474 ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 14 02:01:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	32400	0.500	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	8072	0.473	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	5400	0.526	ug/L	96
47) Tetrachloroethene	8.02	164	7151	0.468	ug/L	90
48) 2-Hexanone	8.20	43	27213	5.360	ug/L	96
49) Dibromochloromethane	8.29	129	6559	0.446	ug/L	98
50) 1,2-Dibromoethane	8.40	107	5069	0.501	ug/L	89
51) Chlorobenzene	8.92	112	22397	0.517	ug/L	98
52) Ethylbenzene	9.05	91	32402	0.449	ug/L	95
53) m,p-xylene	9.18	106	12319	0.436	ug/L	96
54) o-xylene	9.59	106	11519	0.423	ug/L	98
55) Styrene	9.60	104	17994	0.396	ug/L	100
56) Isopropylbenzene	9.97	105	31251	0.418	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	6095	0.534	ug/L	90
59) 1,2,3-Trichloropropane	10.32	75	4340	0.497	ug/L	92
61) Bromoform	9.78	173	3087	0.403	ug/L	95
62) 1,3-Dichlorobenzene	11.23	146	16923	0.527	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	17257	0.538	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	15721	0.530	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1097	0.586	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.69	180	12598	0.472	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	8140	0.375	ug/L	99
69) Naphthalene	13.56	128	9807	0.283	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	7713	0.371	ug/L	98

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

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

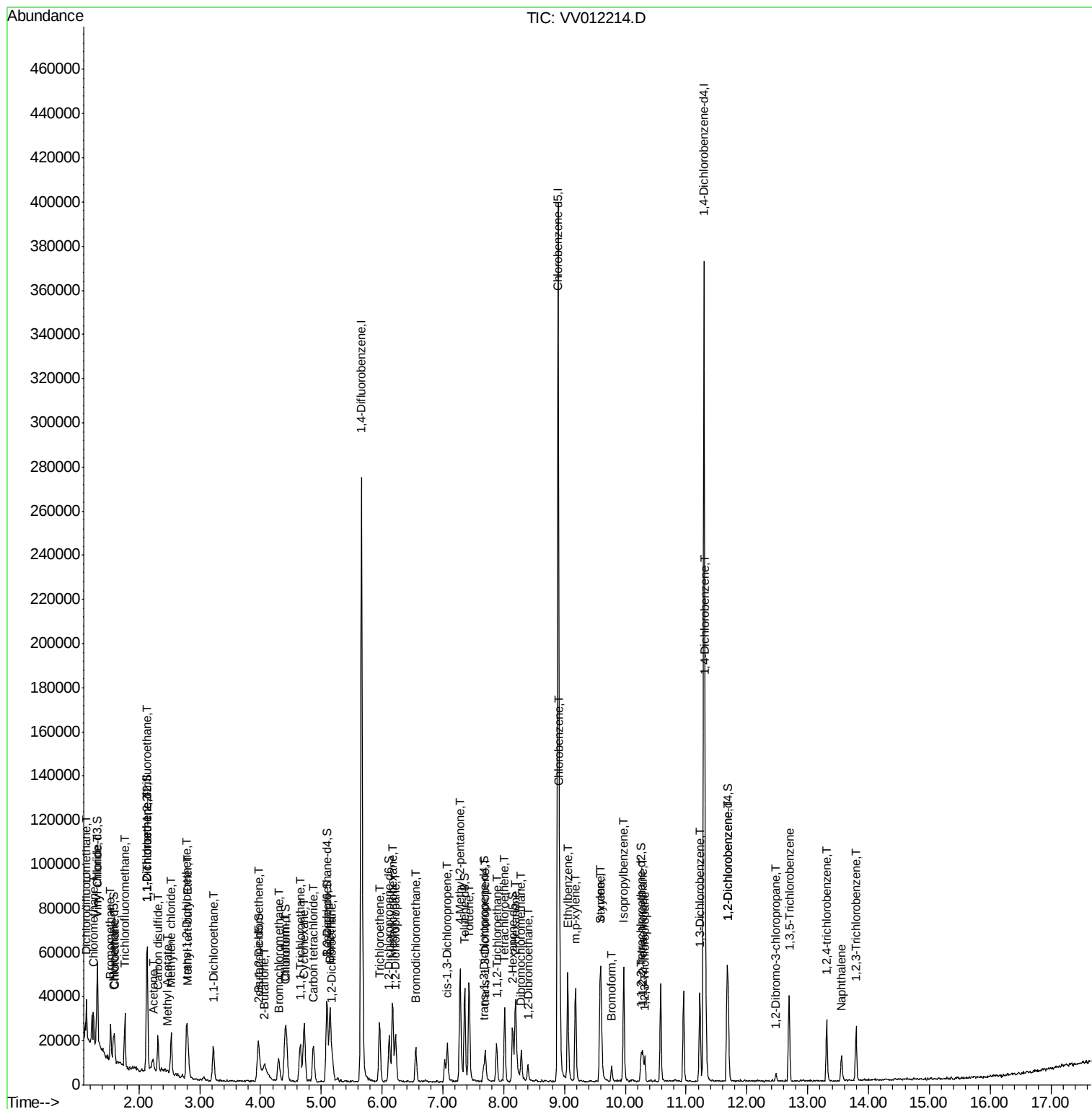
Quant Time: Aug 14 02:04:05 2019

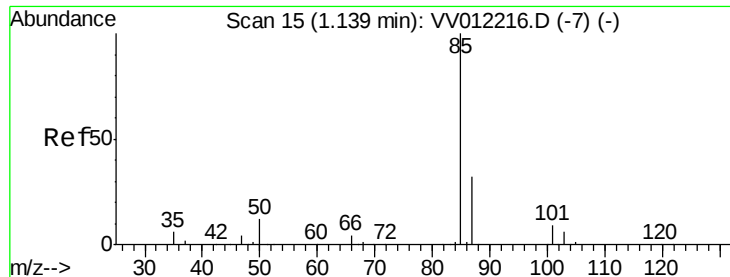
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR081319WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Aug 14 02:01:27 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.498 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

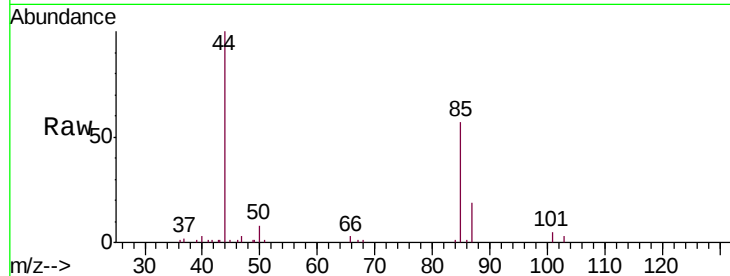
VSTD0.535

Tgt Ion: 85 Resp: 11056

Ion Ratio Lower Upper

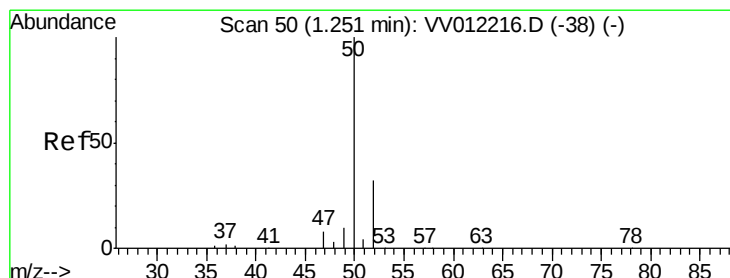
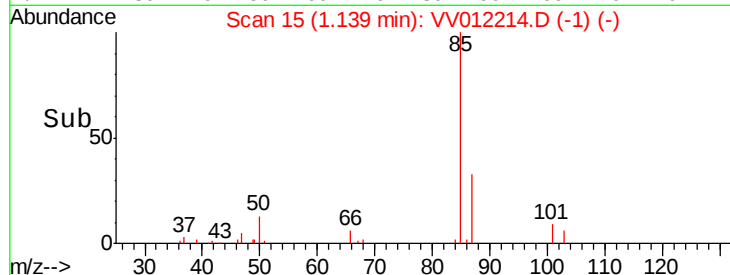
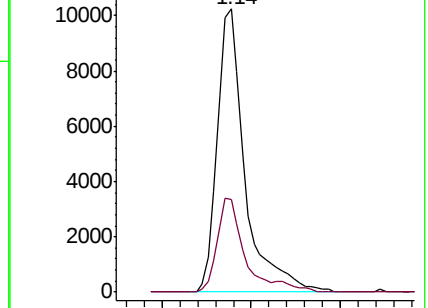
85 100

87 33.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV012214.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012214.D (-7) (-)



#3

Chloromethane

Concen: 0.886 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012214.D

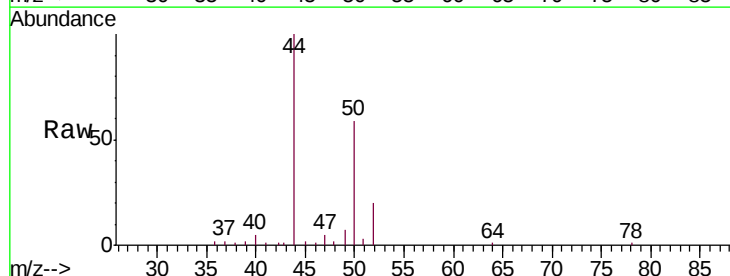
Acq: 13 Aug 2019 14:22

Tgt Ion: 50 Resp: 10563

Ion Ratio Lower Upper

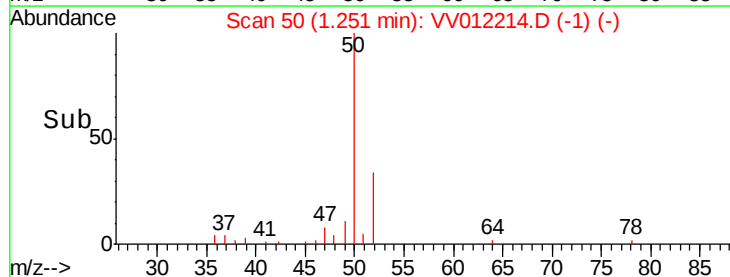
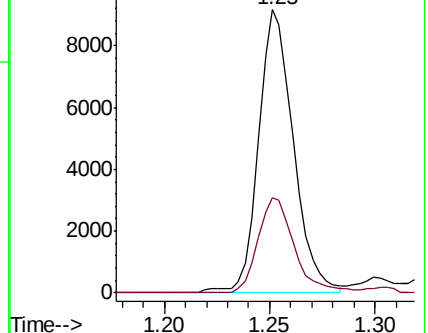
50 100

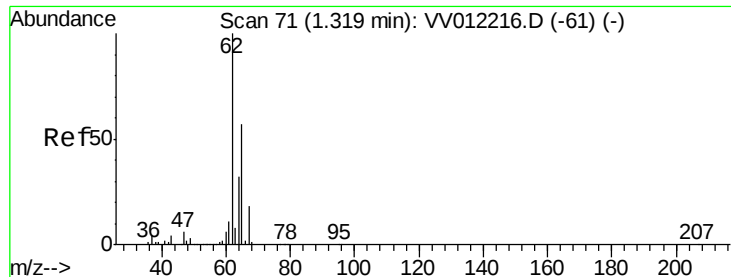
52 33.7 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV012214.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV012214.D (-38) (-)





#5

Vinyl chloride

Concen: 0.802 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

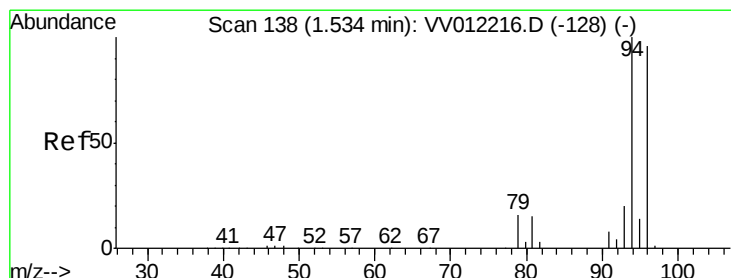
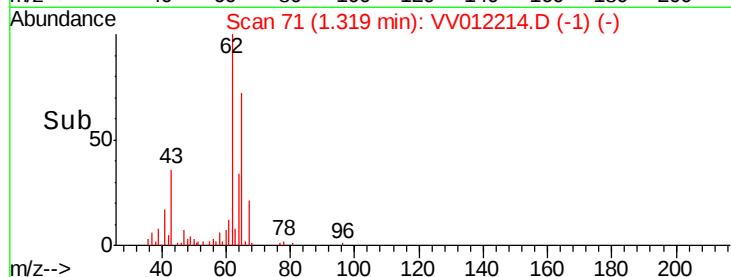
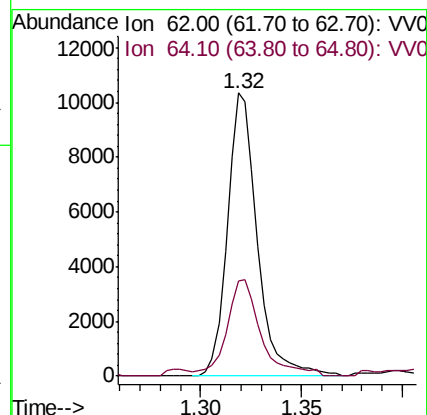
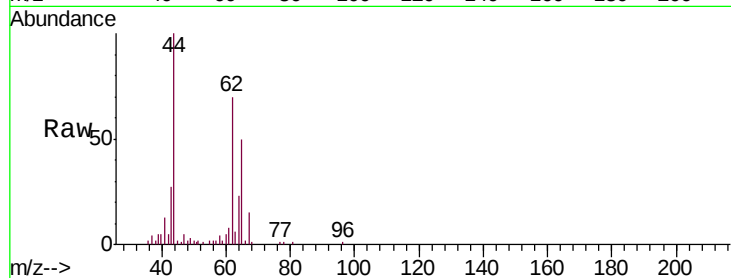
VSTD0.535

Tgt Ion: 62 Resp: 10681

Ion Ratio Lower Upper

62 100

64 33.6 22.7 42.1



#6

Bromomethane

Concen: 0.806 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012214.D

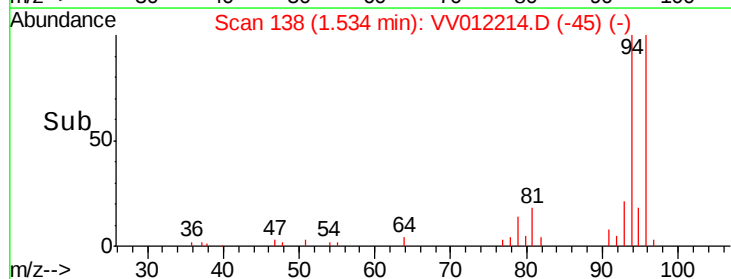
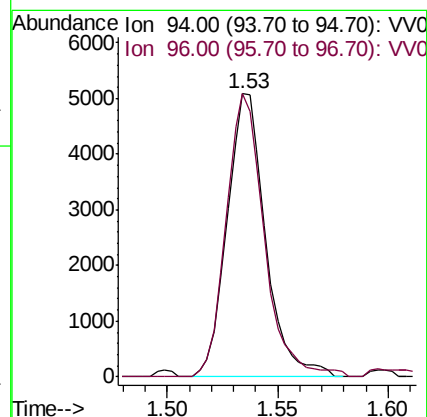
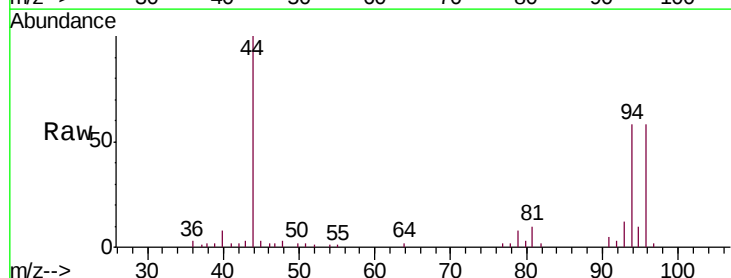
Acq: 13 Aug 2019 14:22

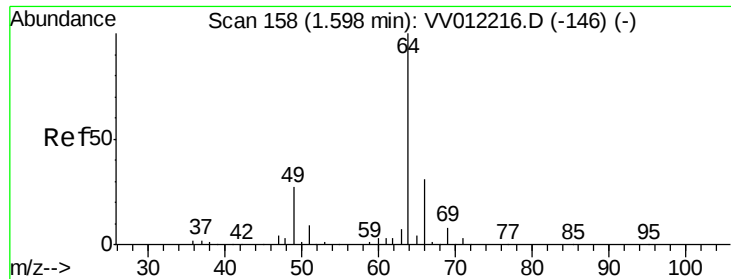
Tgt Ion: 94 Resp: 6145

Ion Ratio Lower Upper

94 100

96 99.9 67.3 125.1

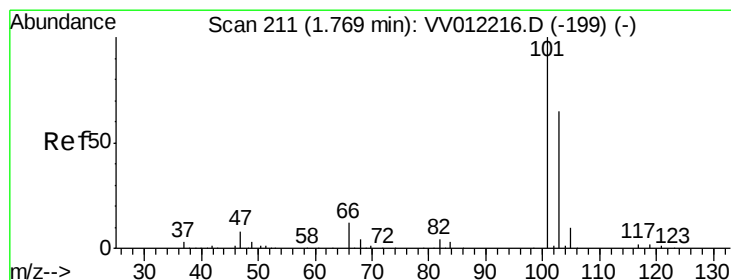
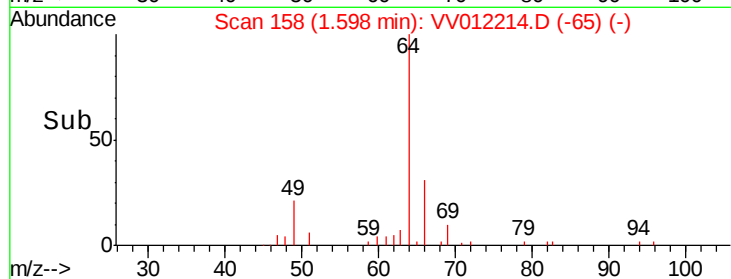
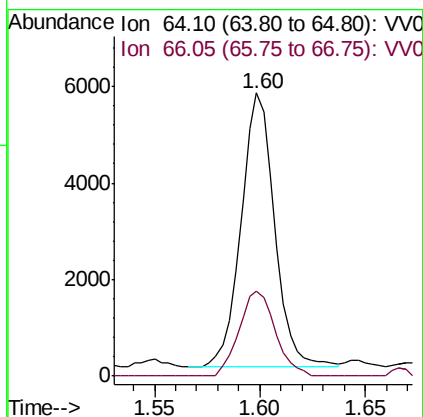
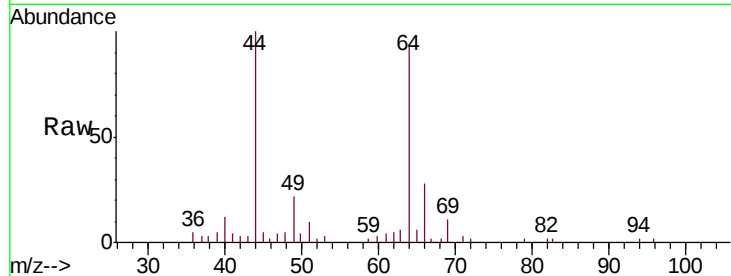




#8
Chloroethane
Concen: 0.835 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

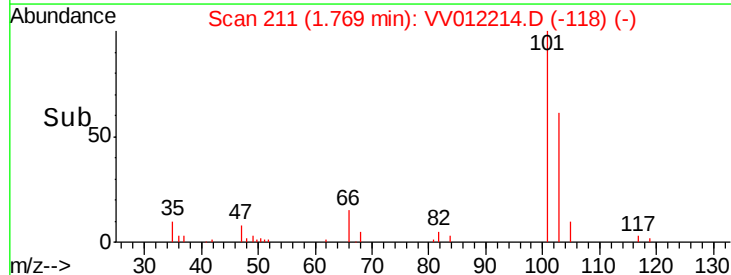
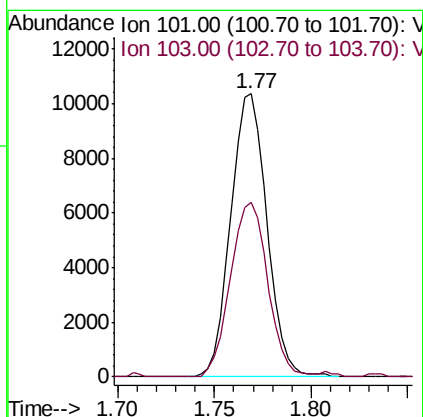
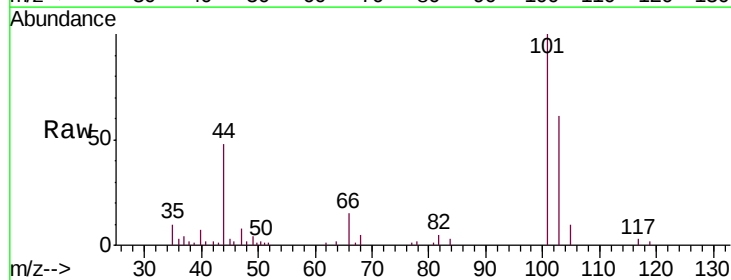
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

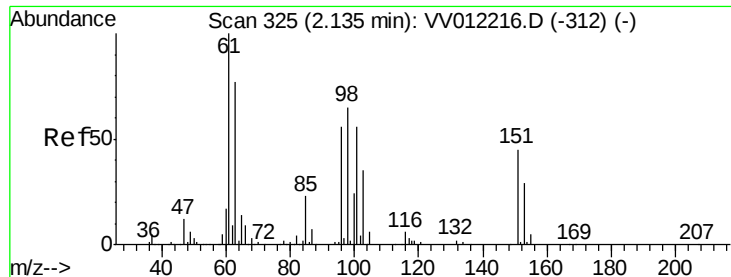
Tgt Ion: 64 Resp: 6252
Ion Ratio Lower Upper
64 100
66 30.2 21.8 40.4



#9
Trichlorofluoromethane
Concen: 0.584 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

Tgt Ion: 101 Resp: 13466
Ion Ratio Lower Upper
101 100
103 63.7 52.0 78.0





#10

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

Concen: 0.668 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

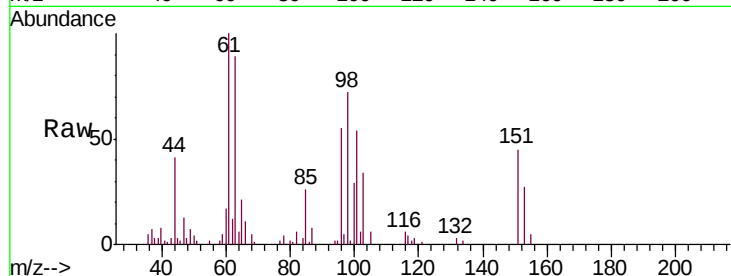
Tgt Ion: 101 Resp: 7087

Ion Ratio Lower Upper

101 100

85 48.5 33.7 50.5

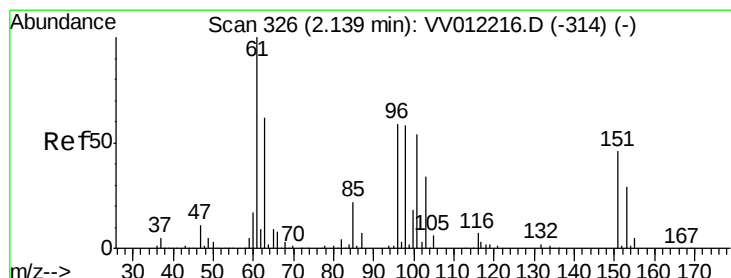
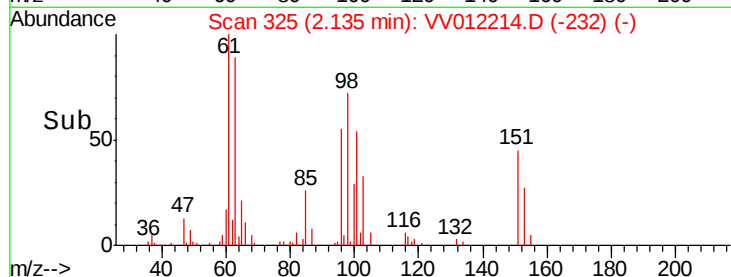
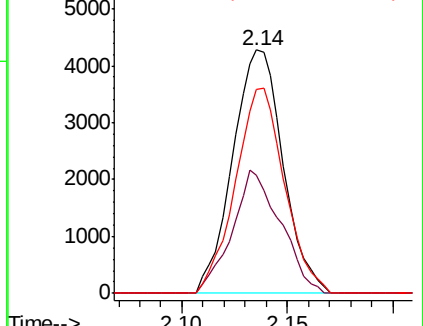
151 82.3 66.3 99.5



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: 0.701 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

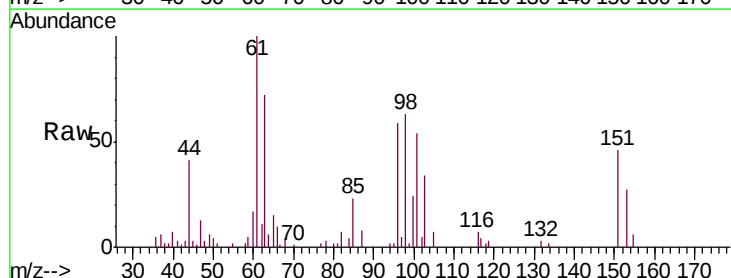
Tgt Ion: 96 Resp: 6834

Ion Ratio Lower Upper

96 100

61 169.8 119.3 221.5

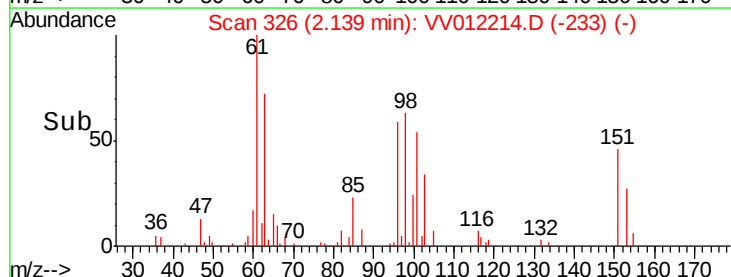
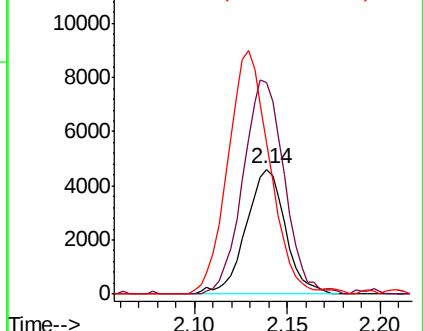
63 121.6 74.9 139.1

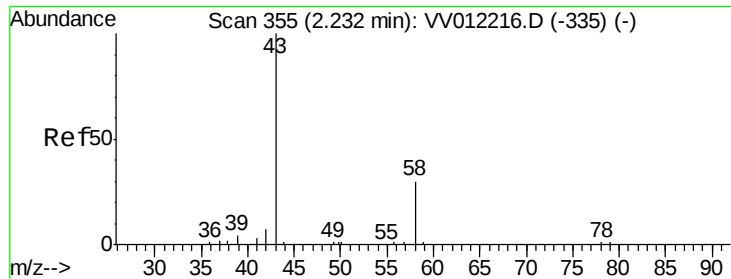


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.032 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

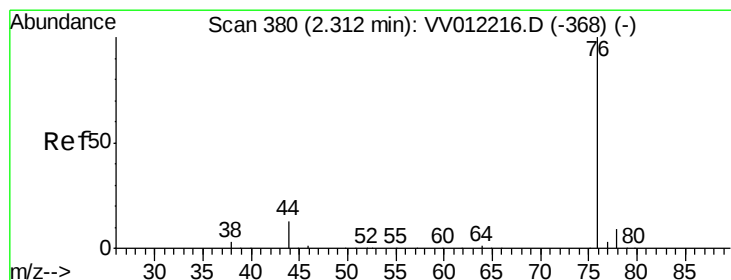
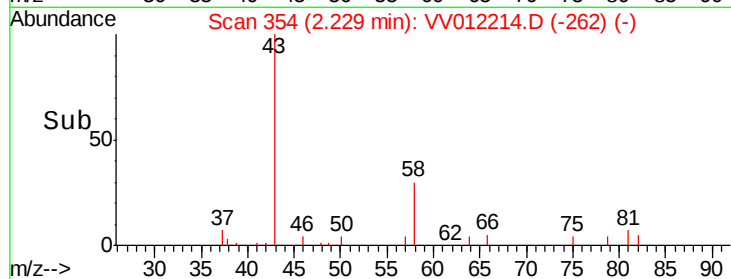
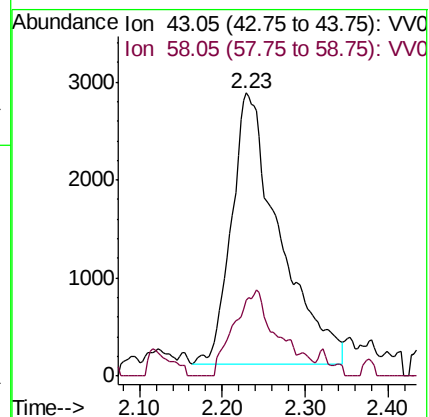
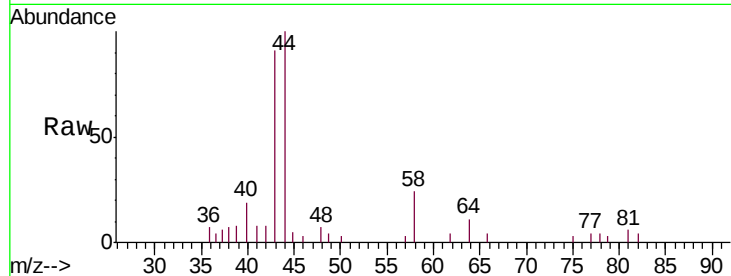
VSTD0.535

Tgt Ion: 43 Resp: 11195

Ion Ratio Lower Upper

43 100

58 27.4 0.0 59.4



#14

Carbon disulfide

Concen: 0.655 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012214.D

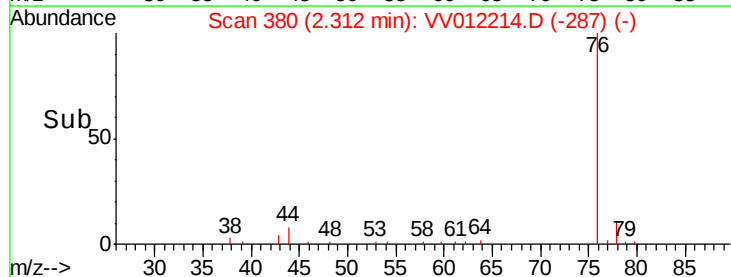
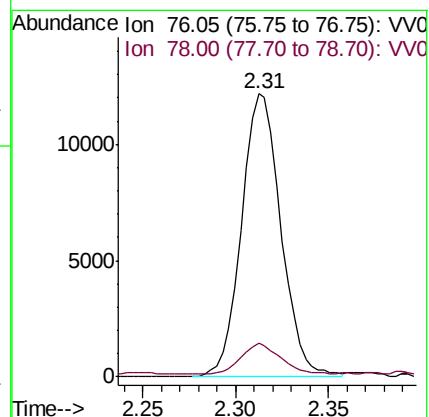
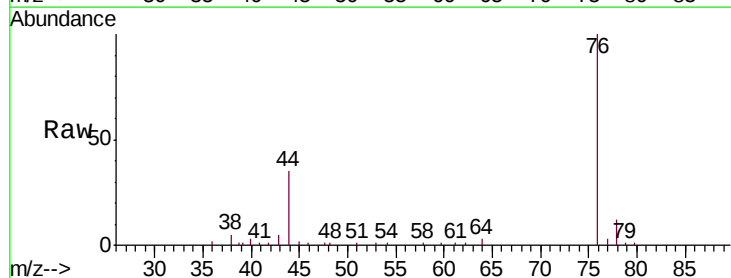
Acq: 13 Aug 2019 14:22

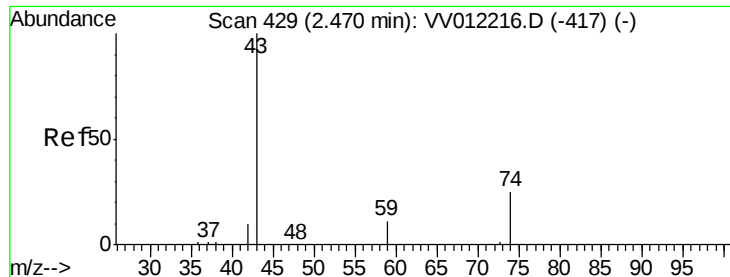
Tgt Ion: 76 Resp: 17988

Ion Ratio Lower Upper

76 100

78 11.9 7.2 10.8#





#15

Methyl Acetate

Concen: 0.912 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.01 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

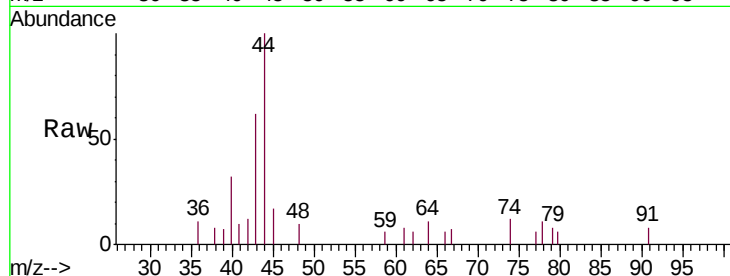
VSTD0.535

Tgt Ion: 43 Resp: 3260

Ion Ratio Lower Upper

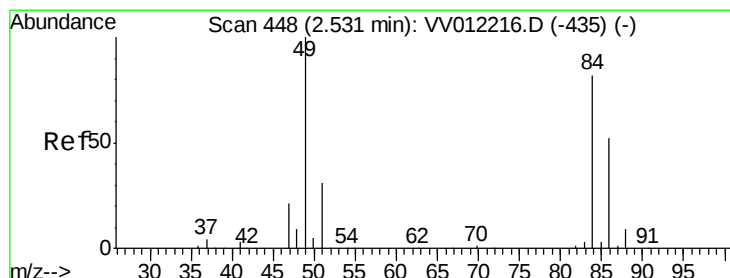
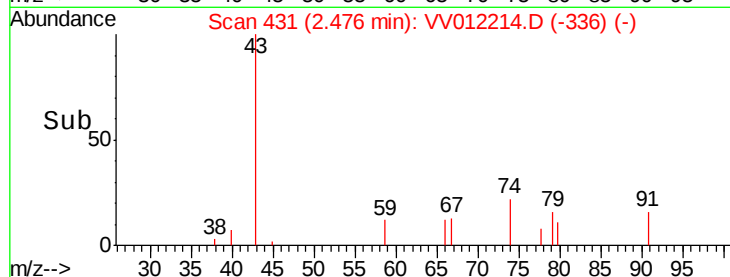
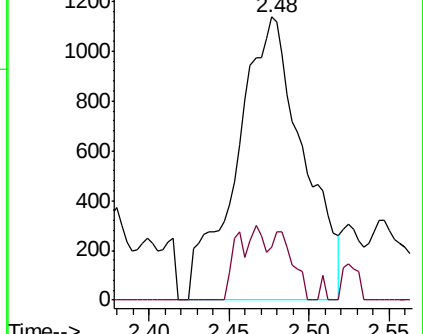
43 100

74 8.0 20.3 30.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.721 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

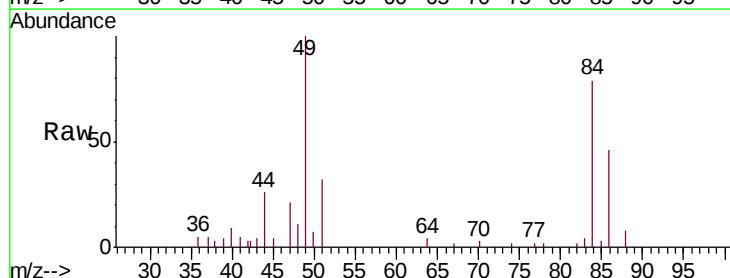
Tgt Ion: 84 Resp: 7548

Ion Ratio Lower Upper

84 100

86 58.6 44.4 82.5

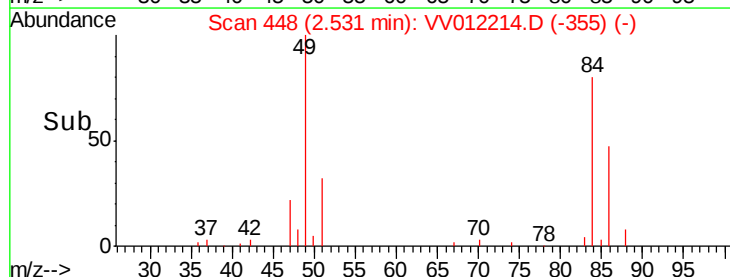
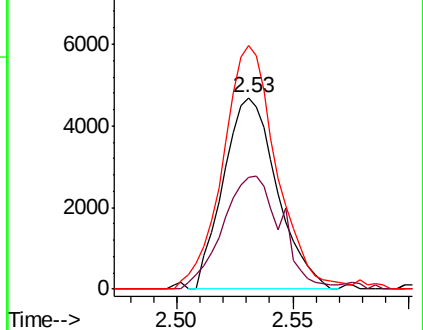
49 127.4 85.1 158.1

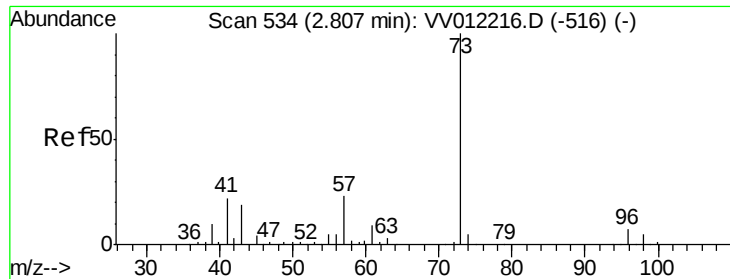


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

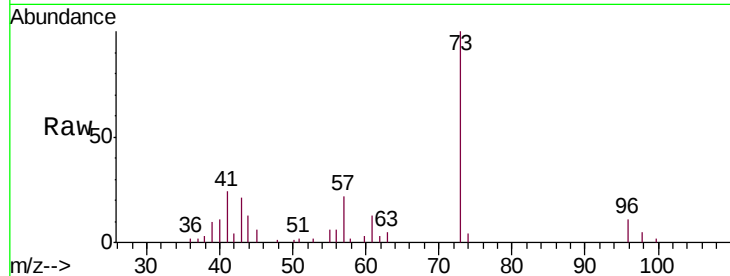




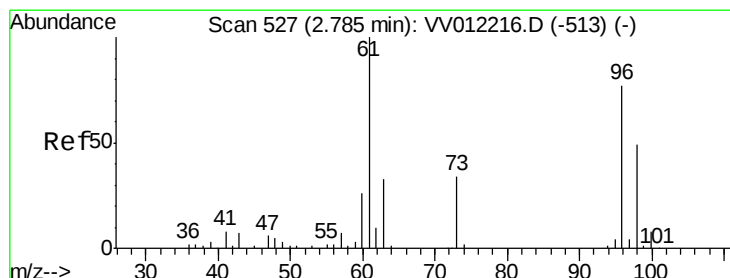
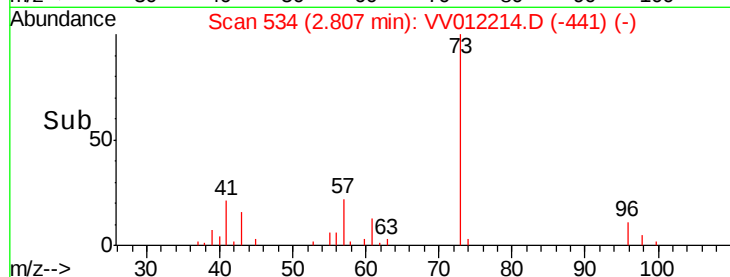
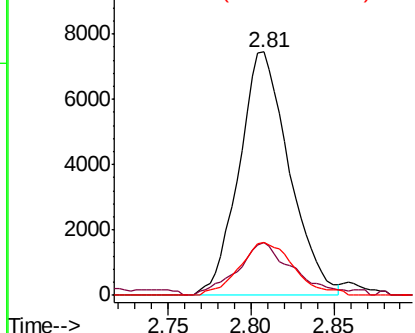
#17
Methyl tert-butyl Ether
Concen: 0.480 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion: 73 Resp: 15653
Ion Ratio Lower Upper
73 100
43 23.8 15.4 23.0#
57 23.7 17.8 26.6

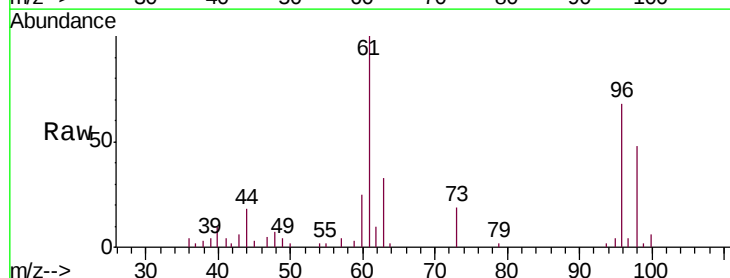


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

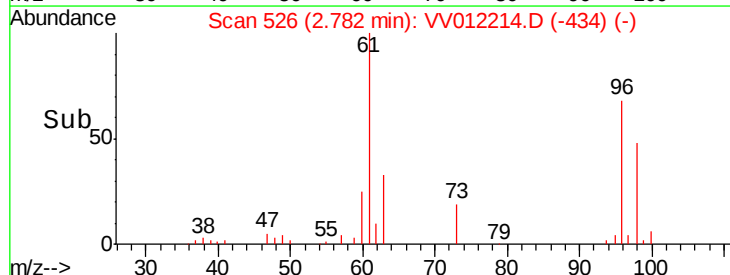
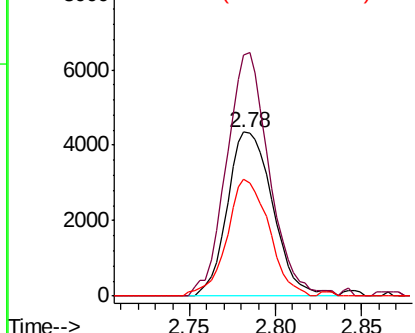


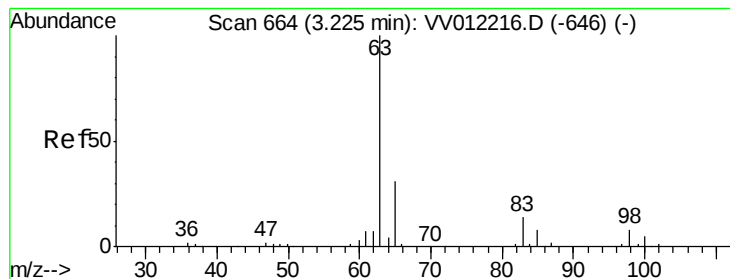
#18
trans-1,2-Dichloroethene
Concen: 0.562 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

Tgt Ion: 96 Resp: 8029
Ion Ratio Lower Upper
96 100
61 147.4 90.8 168.6
98 71.1 44.4 82.4



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

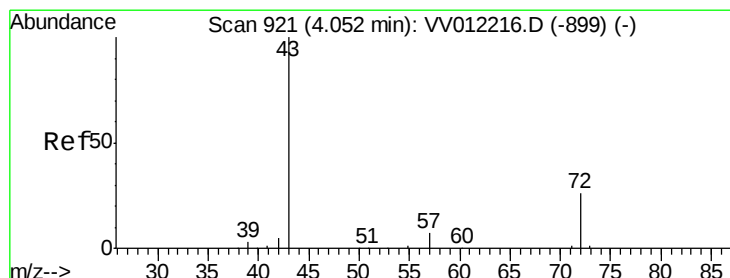
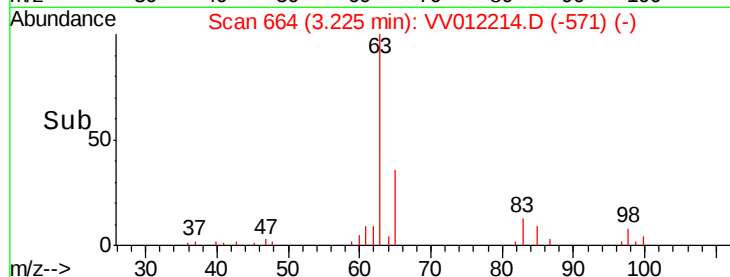
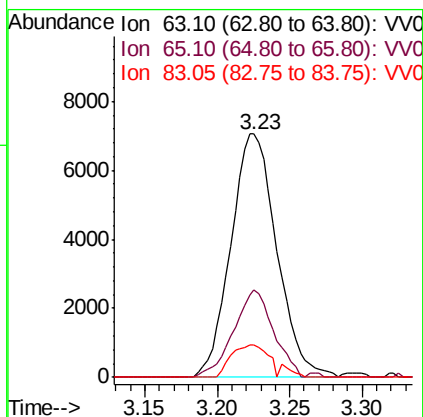
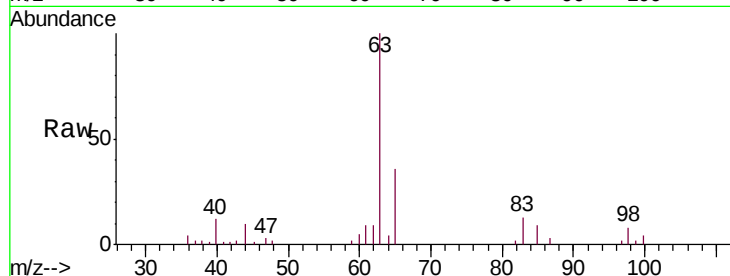




#19
 1,1-Dichloroethane
 Concen: 0.643 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

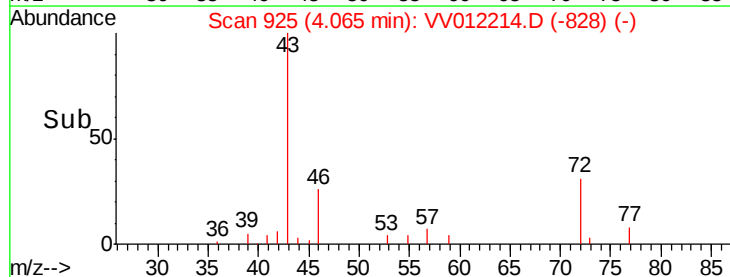
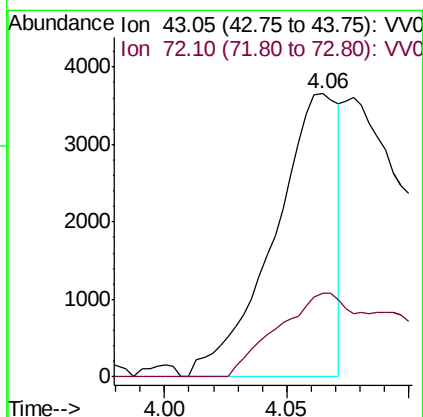
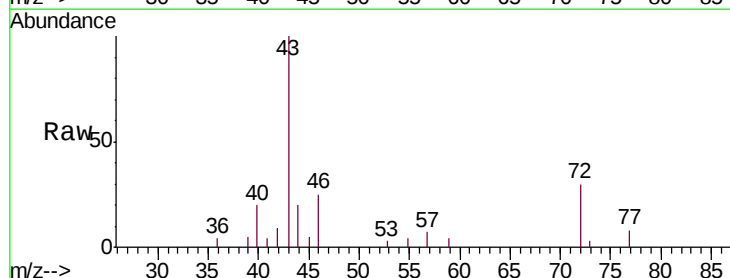
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

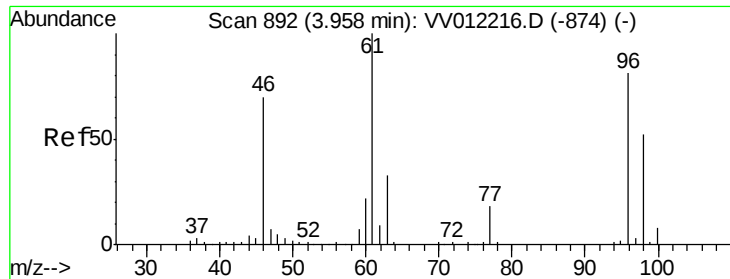
Tgt Ion: 63 Resp: 15538
 Ion Ratio Lower Upper
 63 100
 65 36.0 21.7 40.3
 83 13.4 10.1 18.9



#21
 2-Butanone
 Concen: 2.293 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

Tgt Ion: 43 Resp: 6651
 Ion Ratio Lower Upper
 43 100
 72 37.7 12.9 38.7

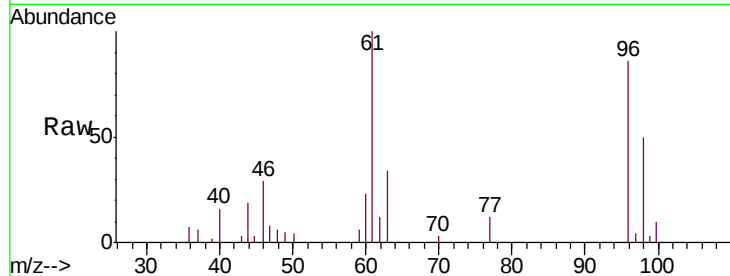




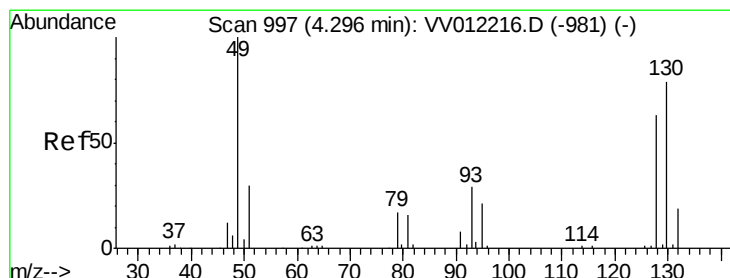
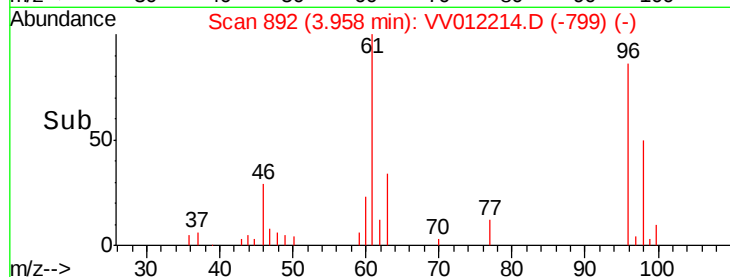
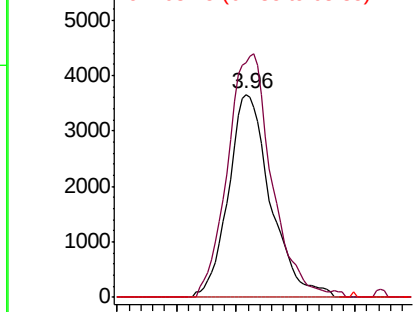
#22
 cis-1,2-Dichloroethene
 Concen: 0.565 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tgt Ion: 96 Resp: 8962
 Ion Ratio Lower Upper
 96 100
 61 115.7 86.0 159.6
 68 0.0 0.0 0.0

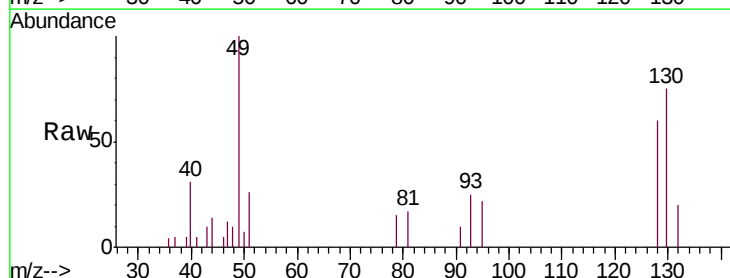


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

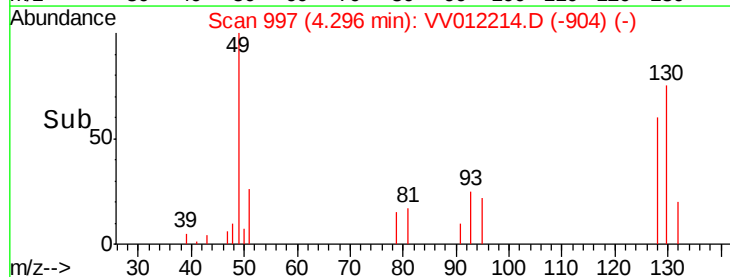
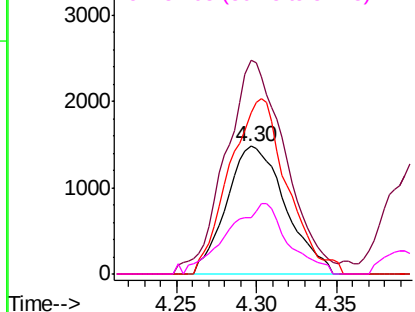


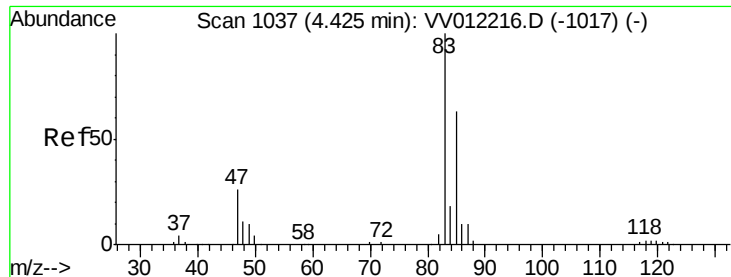
#23
 Bromochloromethane
 Concen: 0.506 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

Tgt Ion: 128 Resp: 3751
 Ion Ratio Lower Upper
 128 100
 49 167.0 111.5 207.1
 130 125.7 87.4 162.4
 51 44.2 38.2 57.2



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

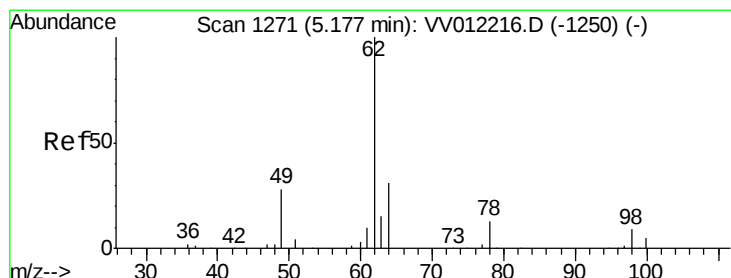
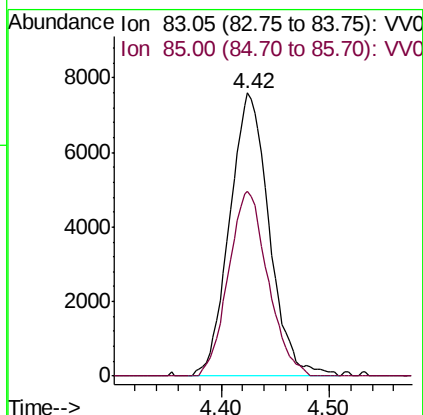
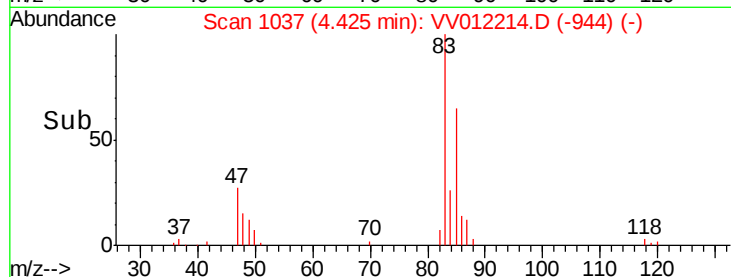
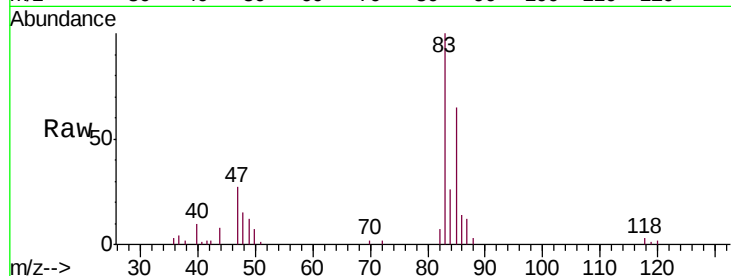




#25
Chloroform
Concen: 0.647 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

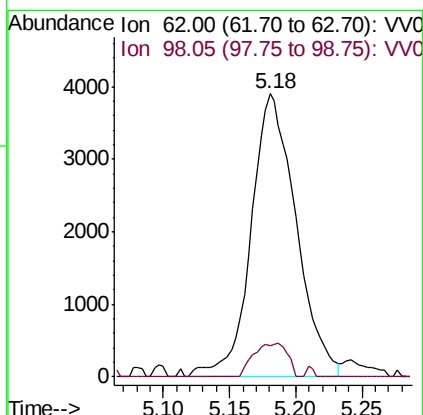
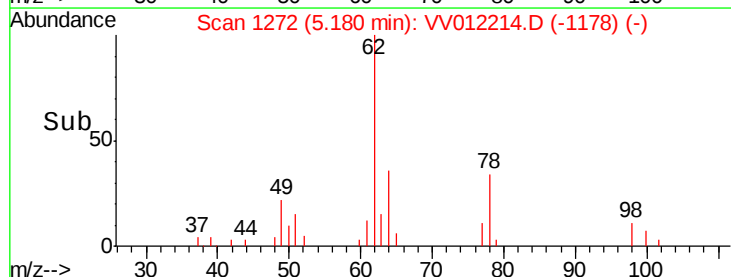
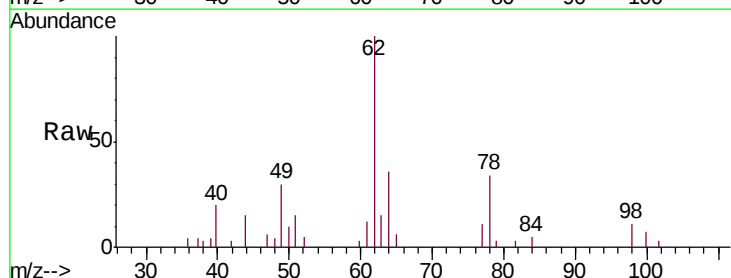
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

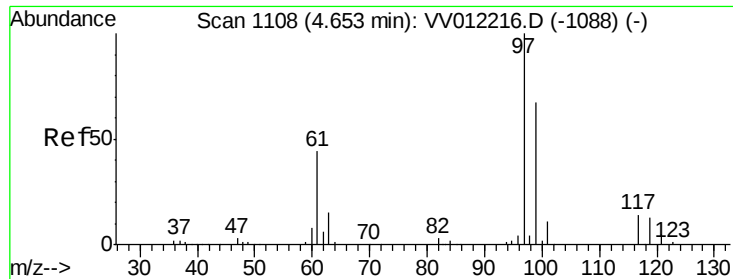
Tgt Ion: 83 Resp: 19370
Ion Ratio Lower Upper
83 100
85 65.3 44.3 82.3



#27
1,2-Dichloroethane
Concen: 0.520 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

Tgt Ion: 62 Resp: 9206
Ion Ratio Lower Upper
62 100
98 11.2 7.5 11.3

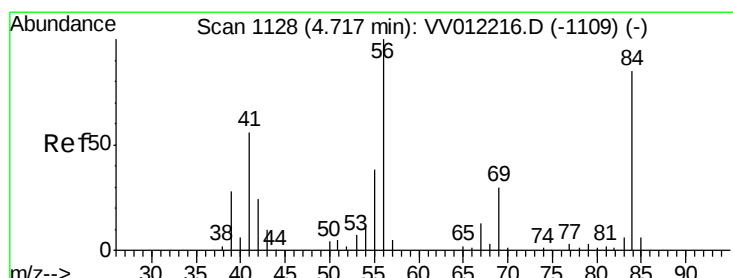
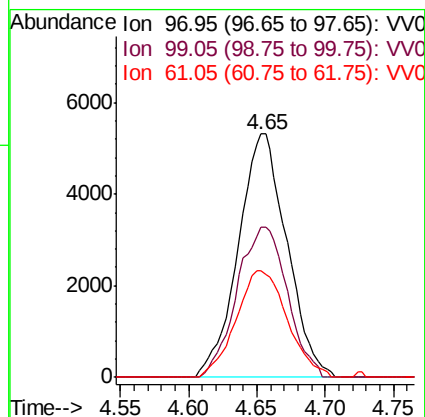
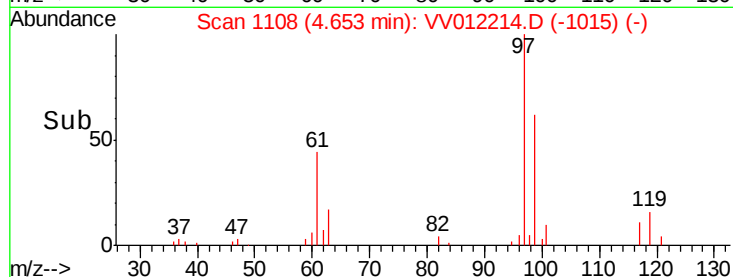
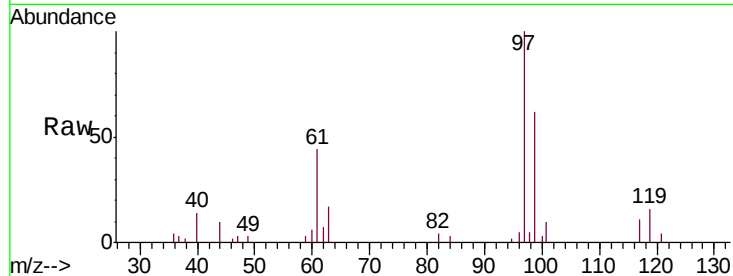




#29
1,1,1-Trichloroethane
Concen: 0.483 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

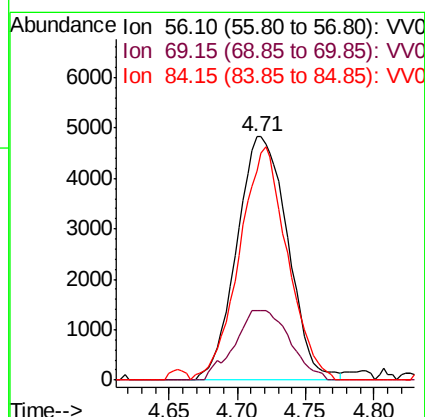
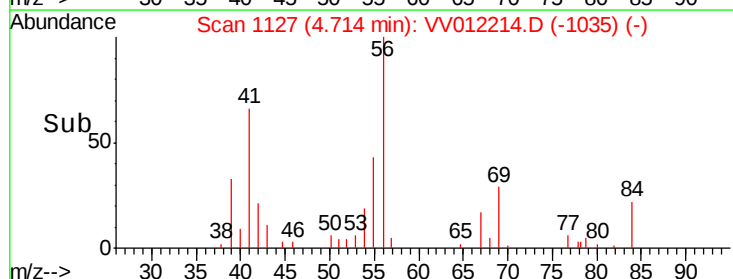
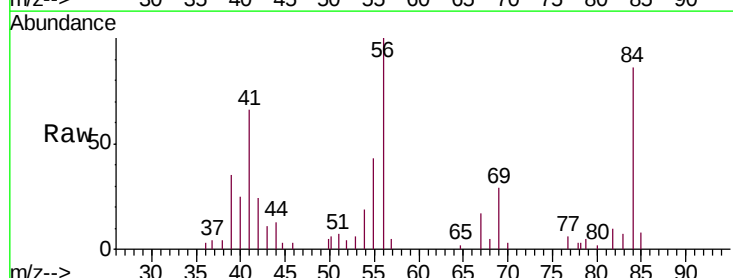
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

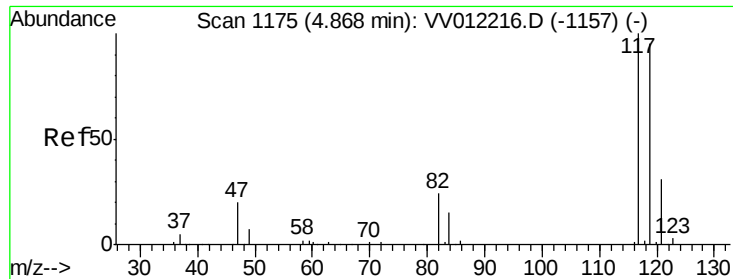
Tgt Ion: 97 Resp: 13151
Ion Ratio Lower Upper
97 100
99 63.9 52.1 78.1
61 46.3 35.4 53.0



#30
Cyclohexane
Concen: 0.597 ug/L
RT: 4.71 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

Tgt Ion: 56 Resp: 12535
Ion Ratio Lower Upper
56 100
69 30.6 24.6 36.8
84 90.2 71.0 106.6





#31

Carbon tetrachloride

Concen: 0.461 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

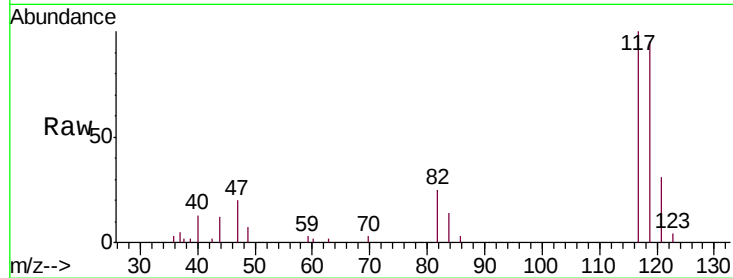
VSTD0.535

Tgt Ion:117 Resp: 12003

Ion Ratio Lower Upper

117 100

119 92.5 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

6000

5000

4000

3000

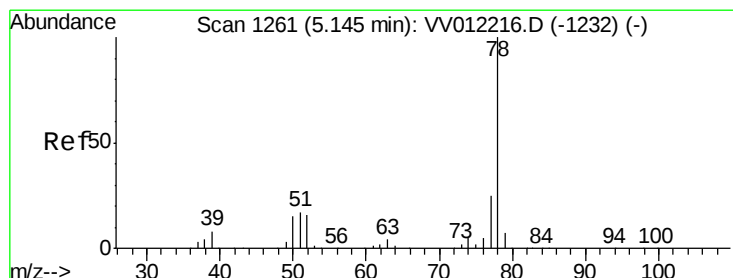
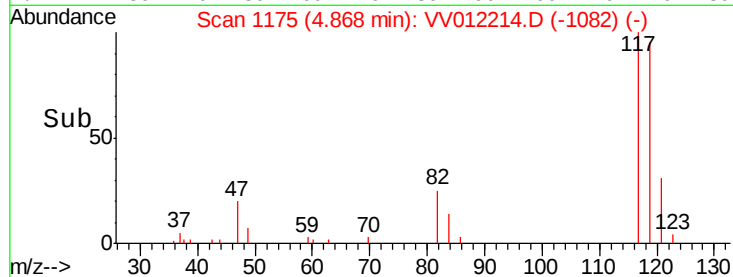
2000

1000

0

Time-->

4.80 4.85 4.90 4.95



#33

Benzene

Concen: 0.556 ug/L

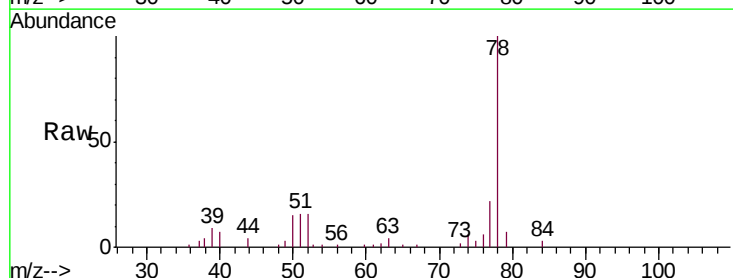
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Tgt Ion: 78 Resp: 31398



Abundance Ion 78.10 (77.80 to 78.80): VV0

15000

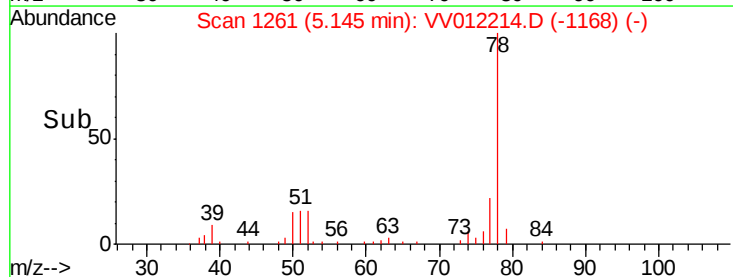
10000

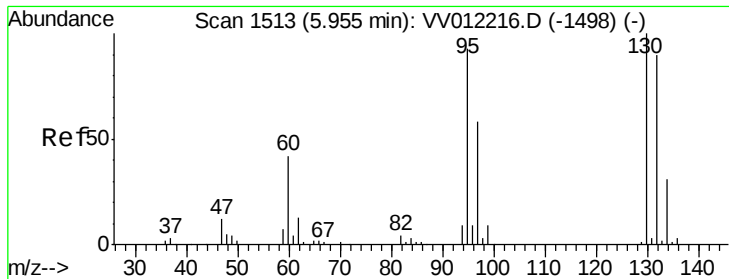
5000

0

Time-->

5.05 5.10 5.15 5.20 5.25





#34

Trichloroethene

Concen: 0.590 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

Tgt Ion: 95 Resp: 9641

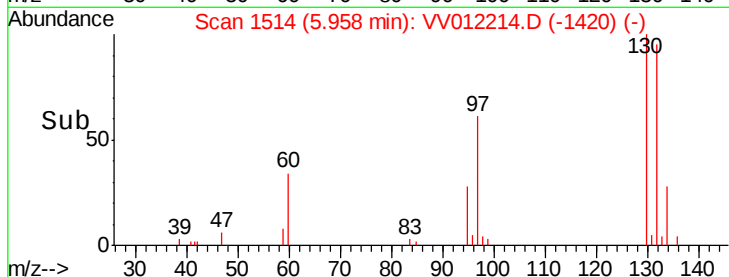
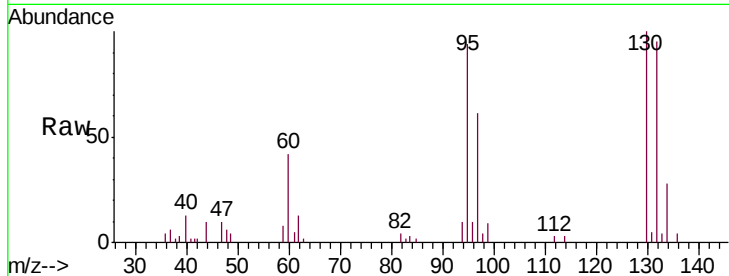
Ion Ratio Lower Upper

95 100

97 64.7 43.3 80.3

132 101.3 67.5 125.3

130 106.8 74.9 139.1

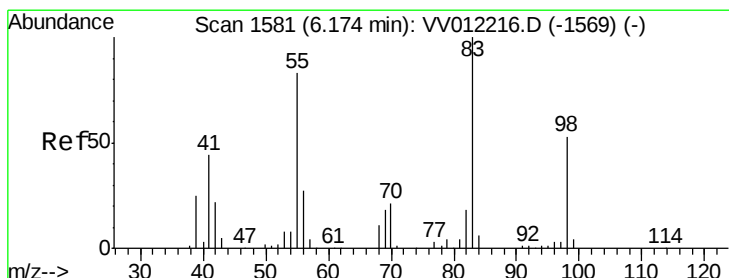
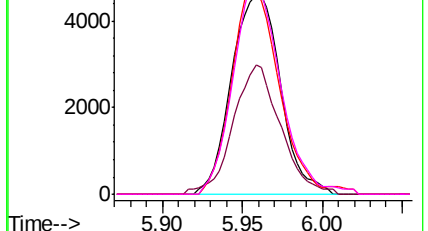


Abundance Ion 95.00 (94.70 to 95.70): VV012216.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV012216.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV012216.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV012216.D (-1498) (-)



#35

Methylcyclohexane

Concen: 0.489 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

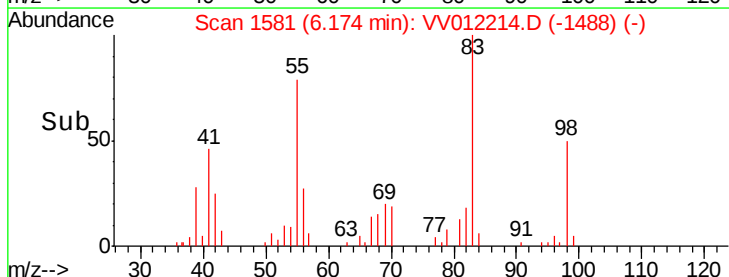
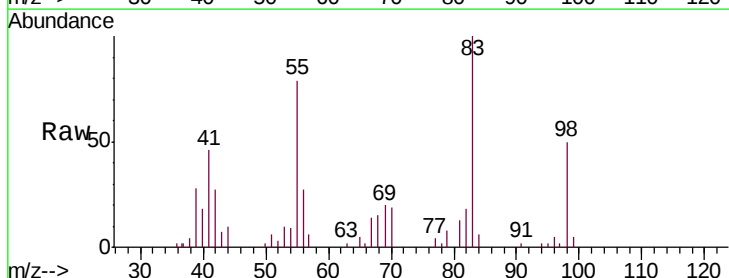
Tgt Ion: 83 Resp: 12573

Ion Ratio Lower Upper

83 100

55 80.9 62.2 93.2

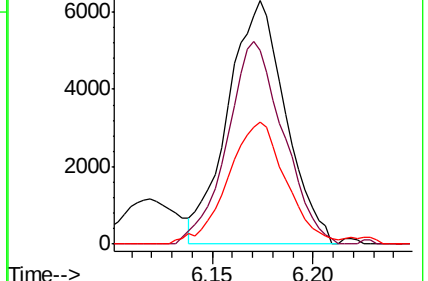
98 50.1 39.2 58.8

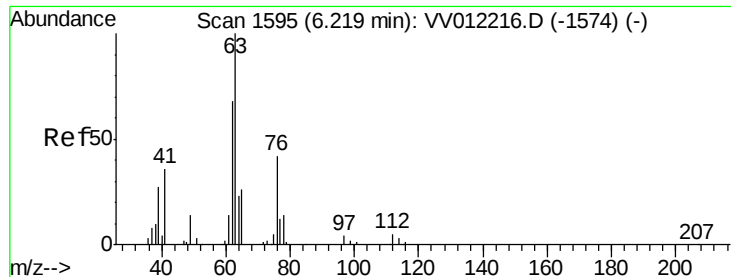


Abundance Ion 83.15 (82.85 to 83.85): VV012216.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV012216.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV012216.D (-1569) (-)

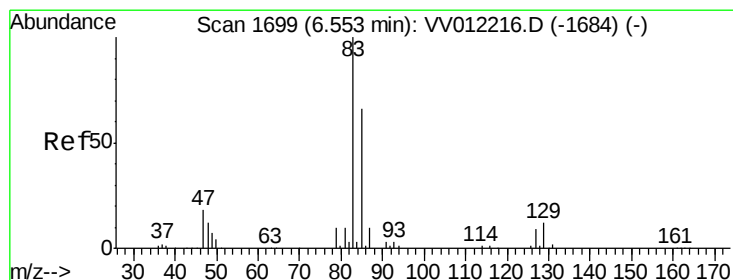
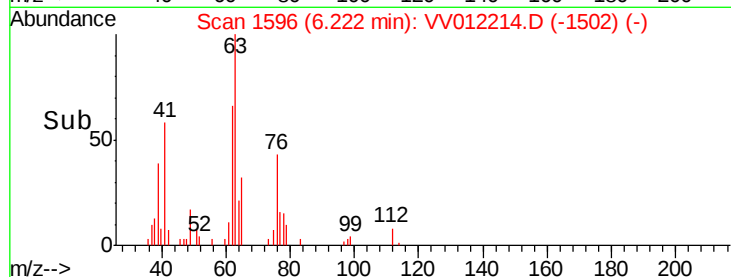
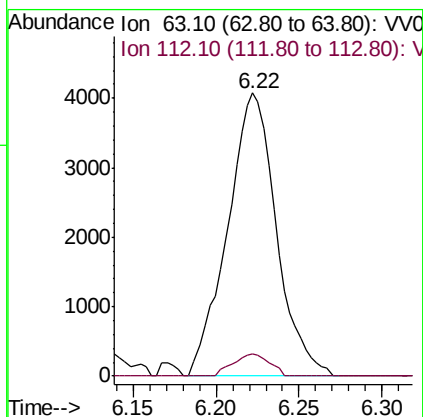
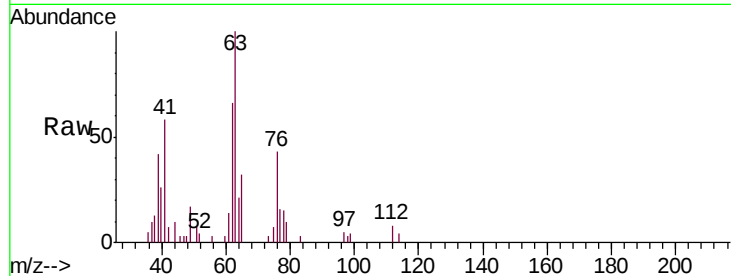




#37
 1,2-Dichloropropane
 Concen: 0.655 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

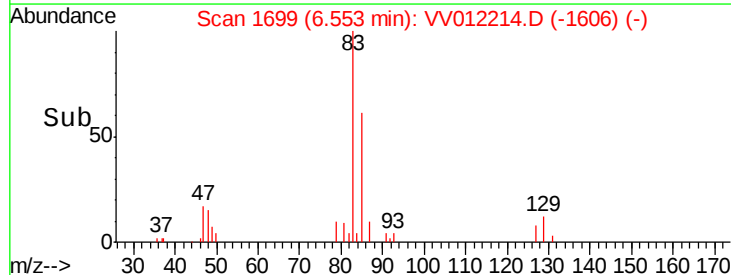
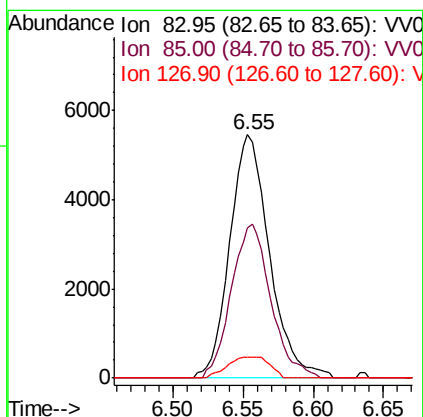
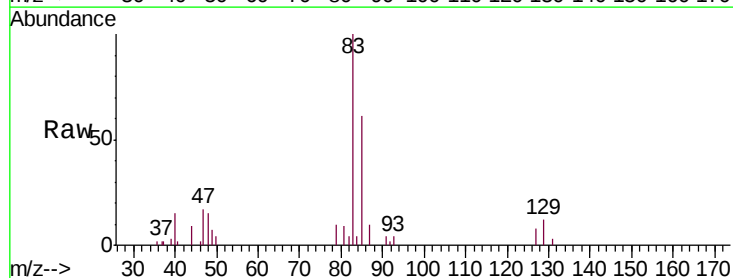
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

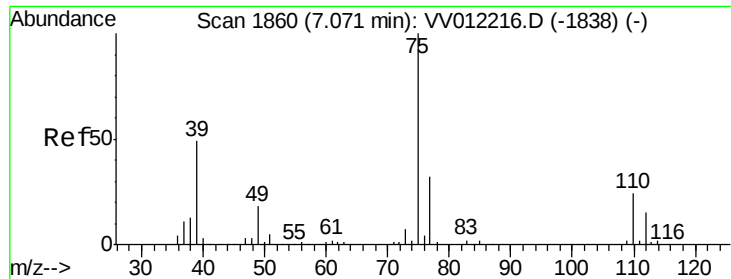
Tgt Ion: 63 Resp: 8356
 Ion Ratio Lower Upper
 63 100
 112 5.9 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 0.531 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

Tgt Ion: 83 Resp: 10769
 Ion Ratio Lower Upper
 83 100
 85 61.4 45.9 85.3
 127 8.4 7.4 11.2

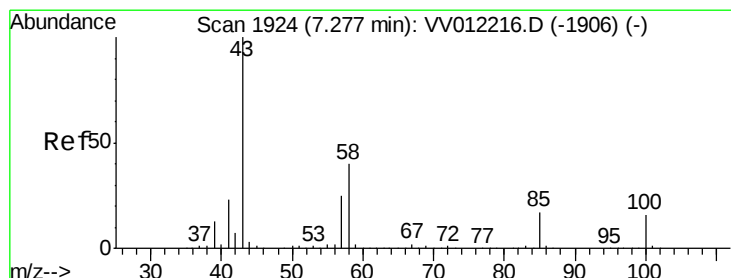
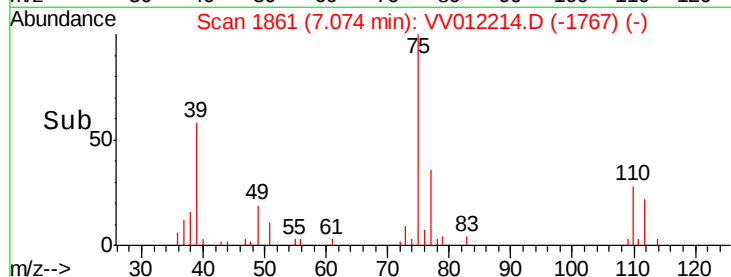
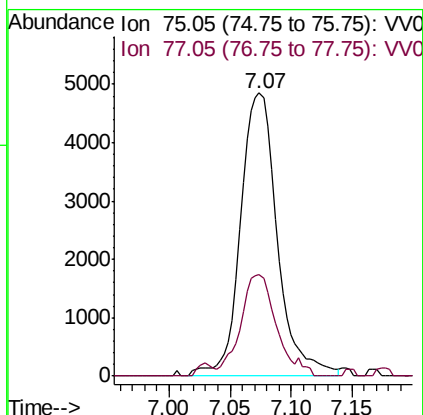
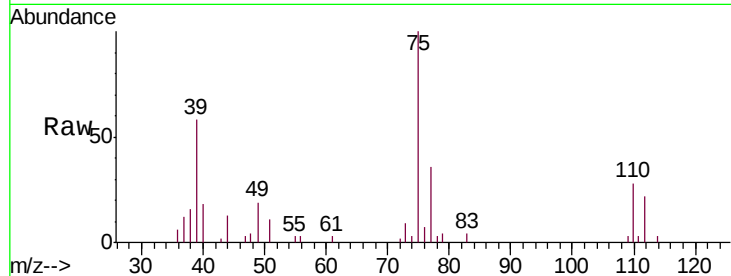




#39
 cis-1,3-Dichloropropene
 Concen: 0.465 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

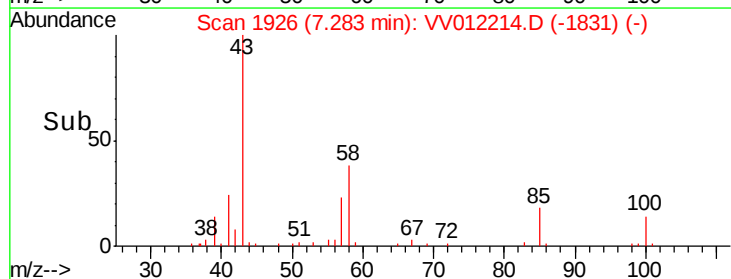
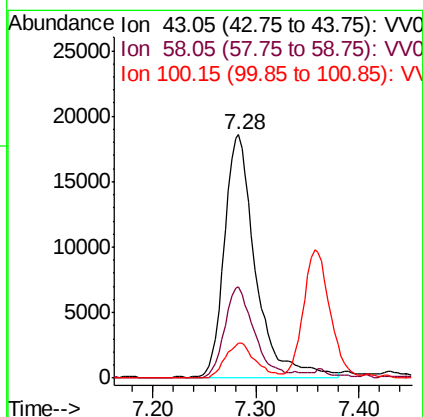
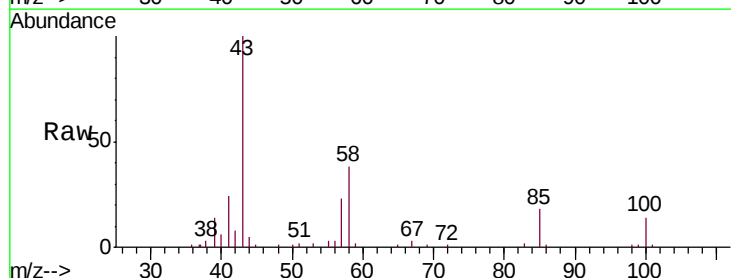
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.535

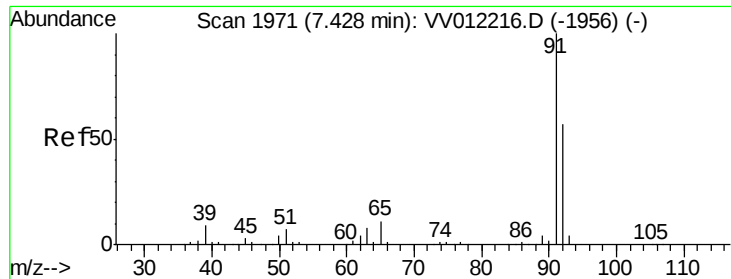
Tgt Ion: 75 Resp: 10120
 Ion Ratio Lower Upper
 75 100
 77 36.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 5.474 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

Tgt Ion: 43 Resp: 39494
 Ion Ratio Lower Upper
 43 100
 58 35.2 30.7 46.1
 100 13.9 12.5 18.7





#42

Toluene

Concen: 0.500 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

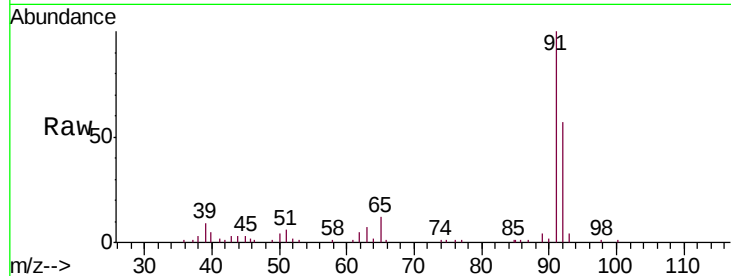
VSTD0.535

Tgt Ion: 91 Resp: 32400

Ion Ratio Lower Upper

91 100

92 57.1 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

20000

15000

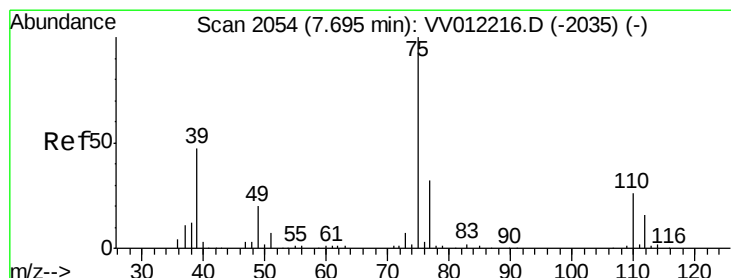
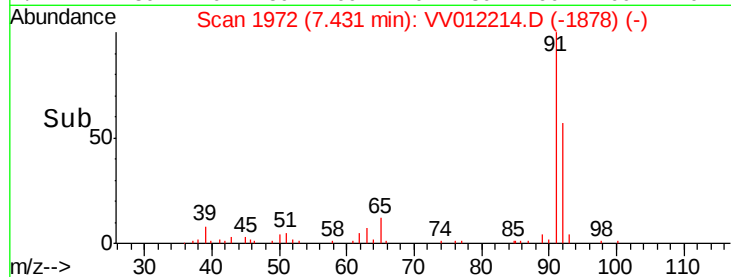
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.473 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV012214.D

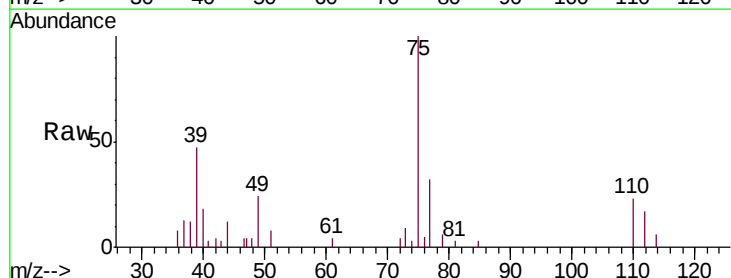
Acq: 13 Aug 2019 14:22

Tgt Ion: 75 Resp: 8072

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

4000

3000

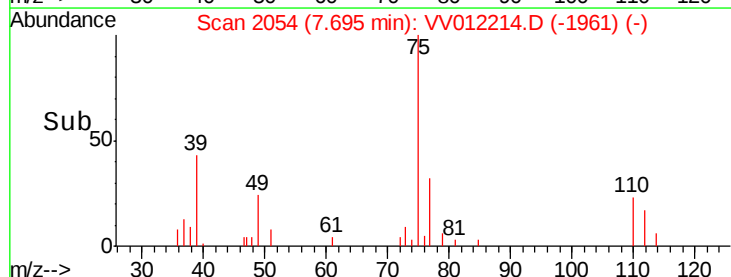
2000

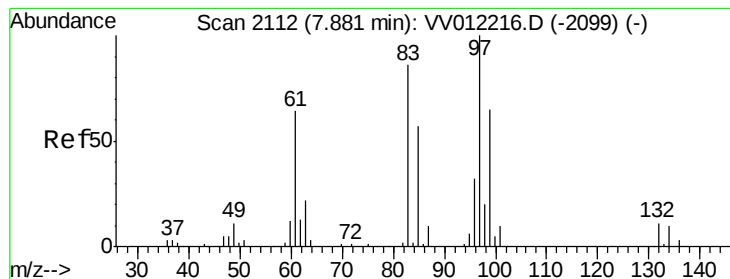
1000

0

Time-->

7.65 7.70 7.75





#45

1,1,2-Trichloroethane

Concen: 0.526 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

Tgt Ion: 97 Resp: 5400

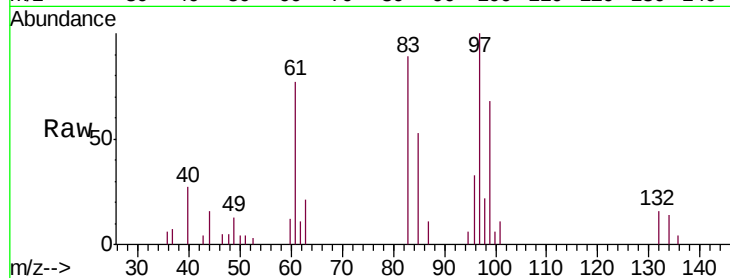
Ion Ratio Lower Upper

97 100

99 68.3 45.4 84.2

83 88.9 60.1 111.5

85 53.3 39.8 73.8

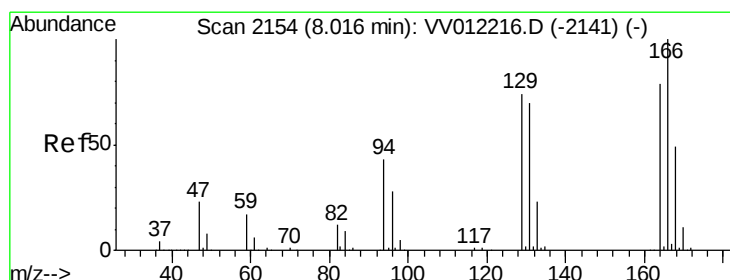
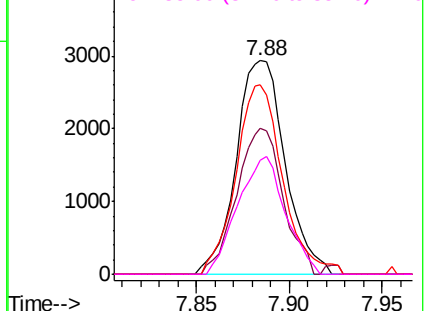
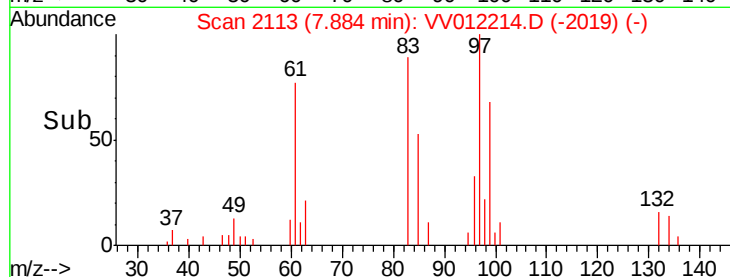


Abundance Ion 96.95 (96.65 to 97.65): VV012214.D (-2099) (-)

Ion 99.05 (98.75 to 99.75): VV012214.D (-2099) (-)

Ion 82.95 (82.65 to 83.65): VV012214.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV012214.D (-2099) (-)



#47

Tetrachloroethene

Concen: 0.468 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Tgt Ion: 164 Resp: 7151

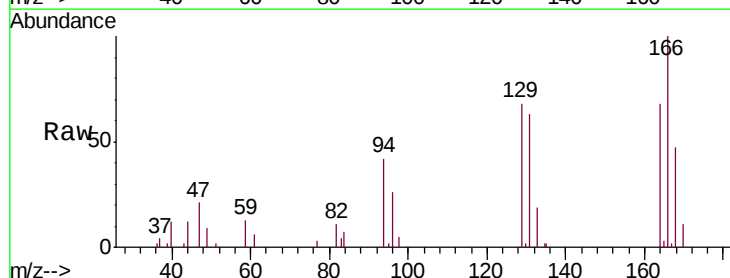
Ion Ratio Lower Upper

164 100

129 98.7 65.8 122.2

131 91.8 61.9 114.9

166 146.1 88.3 164.1

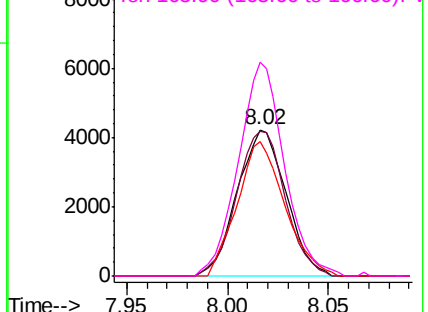
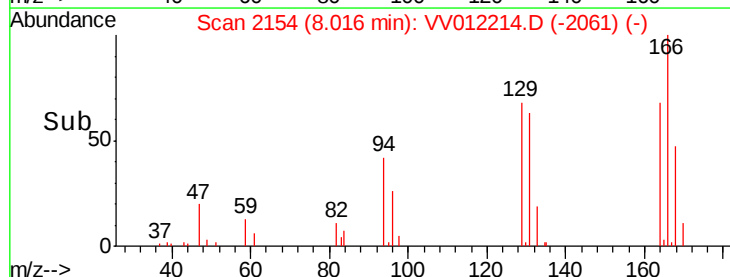


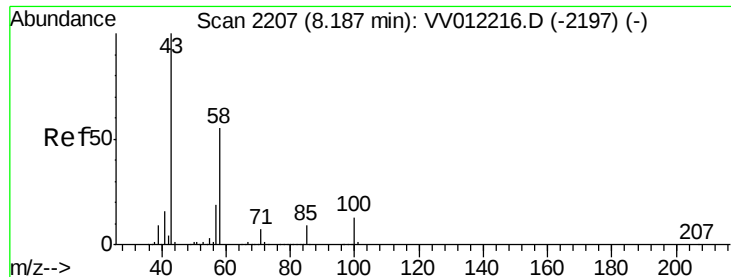
Abundance Ion 163.90 (163.60 to 164.60): VV012214.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV012214.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV012214.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV012214.D (-2061) (-)

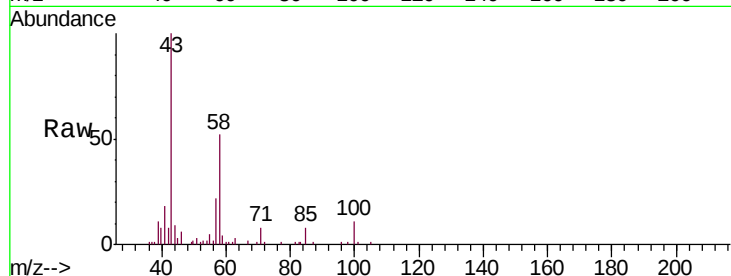




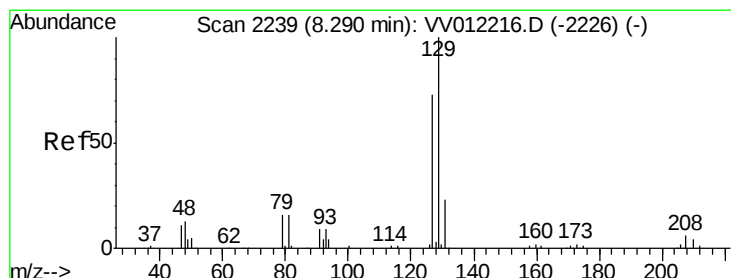
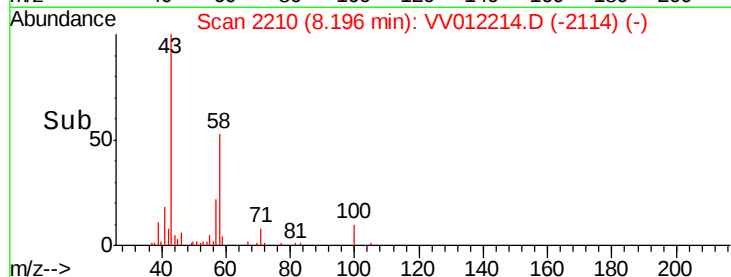
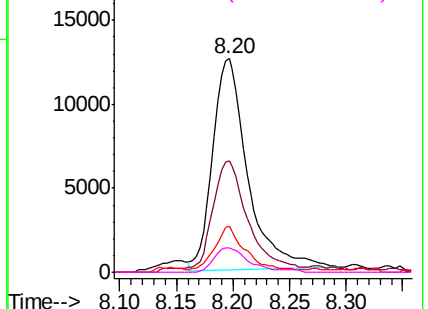
#48
2-Hexanone
Concen: 5.360 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion:	43	Resp:	27213
Ion	Ratio	Lower	Upper
43	100		
58	50.5	43.0	64.4
57	17.7	14.9	22.3
100	11.5	10.3	15.5

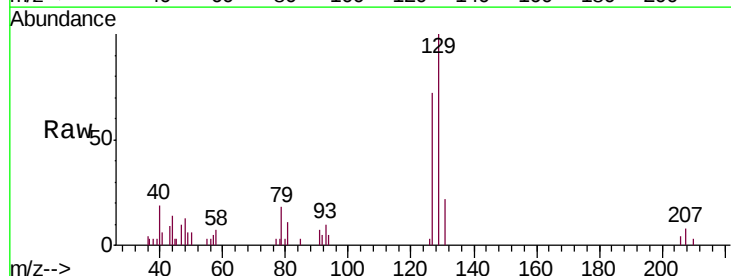


Abundance Ion 43.05 (42.75 to 43.75): VV012214.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV012214.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV012214.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV012214.D (-2197) (-)

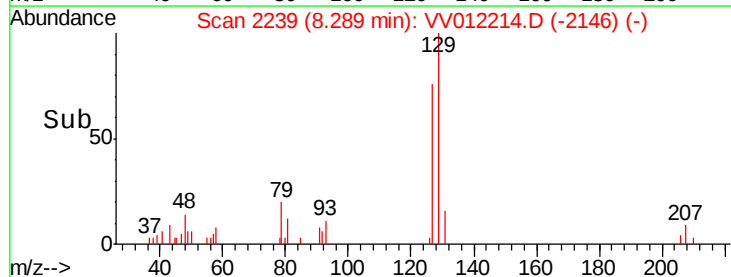
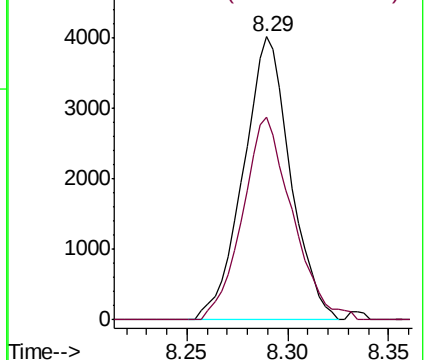


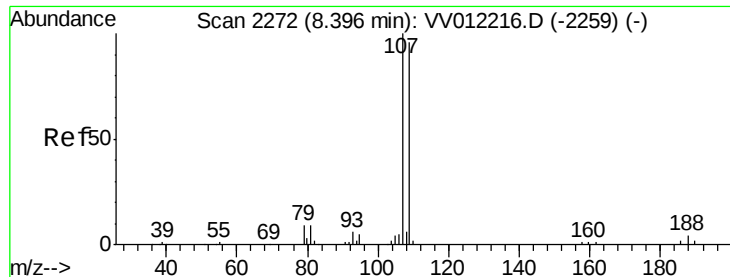
#49
Dibromochloromethane
Concen: 0.446 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

Tgt Ion:	129	Resp:	6559
Ion	Ratio	Lower	Upper
129	100		
127	71.5	51.0	94.8



Abundance Ion 128.95 (128.65 to 129.65): VV012214.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012214.D (-2146) (-)

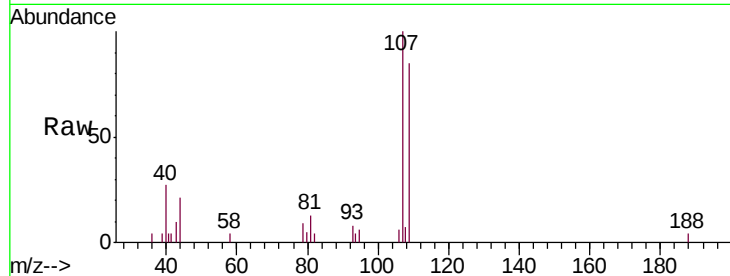




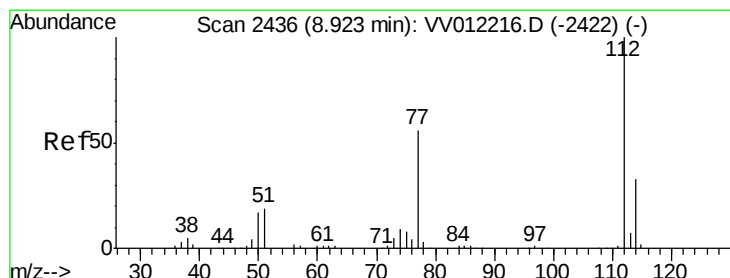
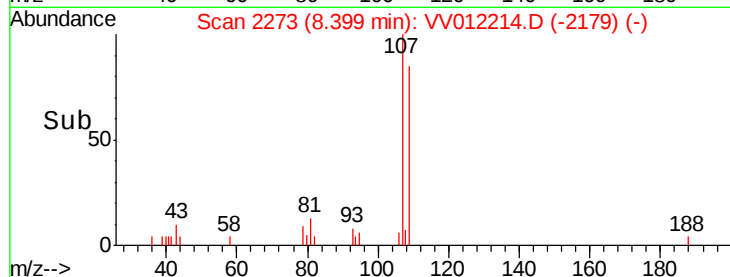
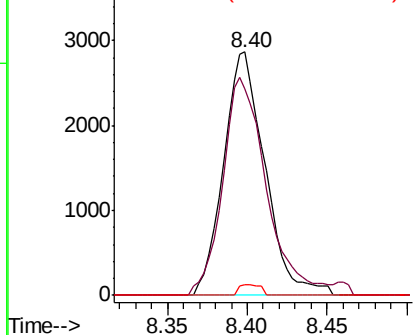
#50
1,2-Dibromoethane
Concen: 0.501 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion:107 Resp: 5069
Ion Ratio Lower Upper
107 100
109 84.8 67.3 125.1
188 4.3 3.4 5.0

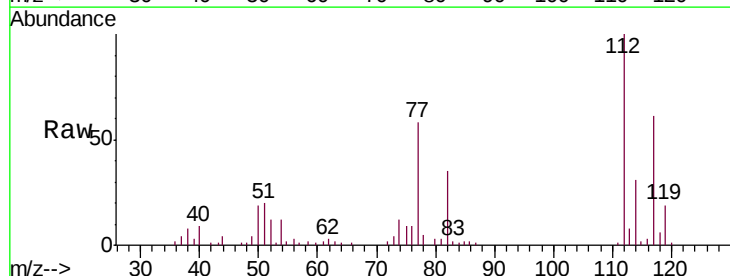


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

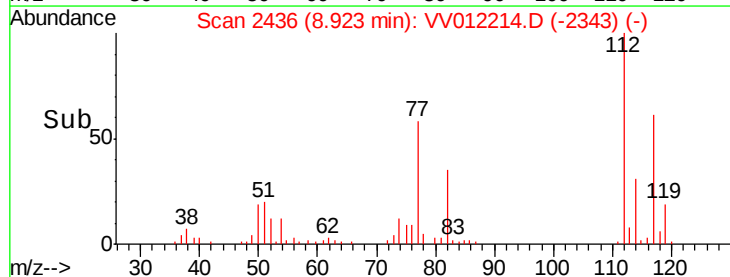
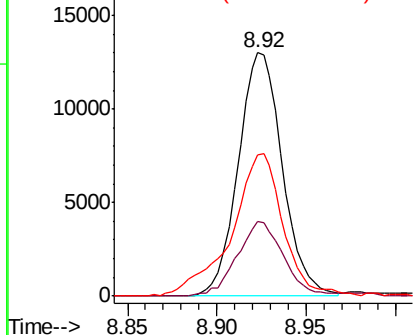


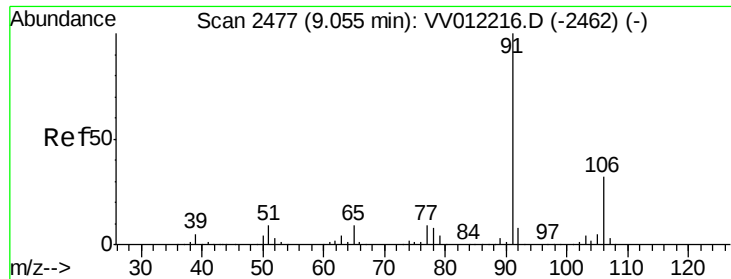
#51
Chlorobenzene
Concen: 0.517 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

Tgt Ion:112 Resp: 22397
Ion Ratio Lower Upper
112 100
114 30.8 22.8 42.4
77 57.8 45.4 68.2



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

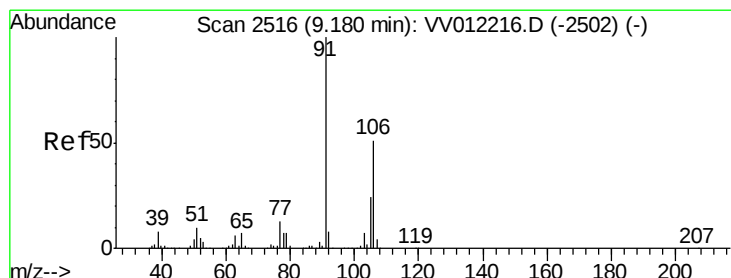
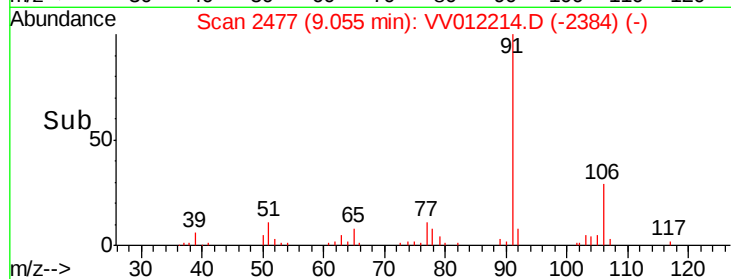
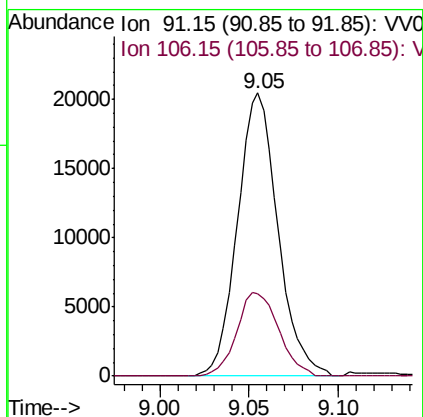
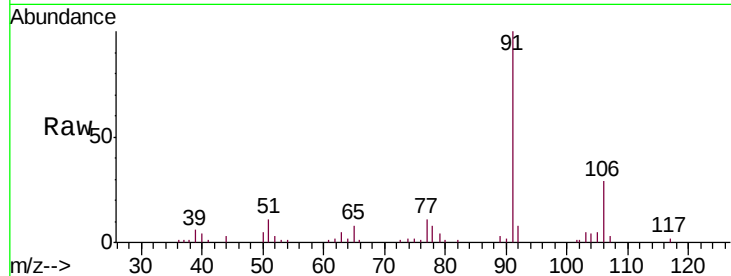




#52
Ethylbenzene
Concen: 0.449 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

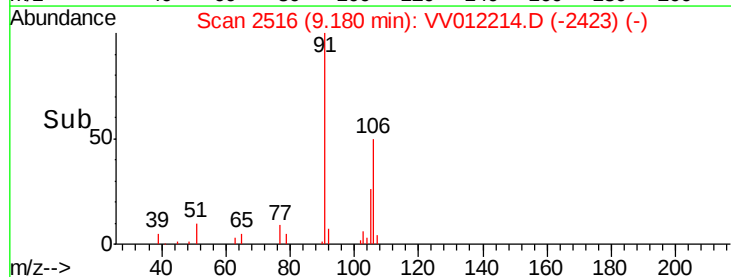
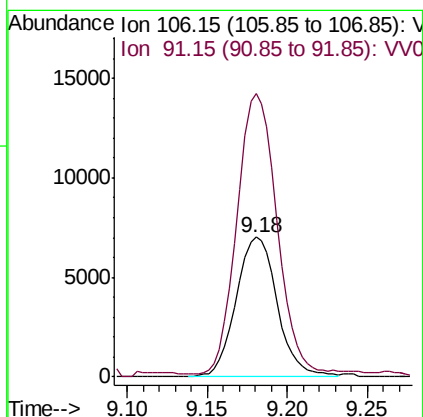
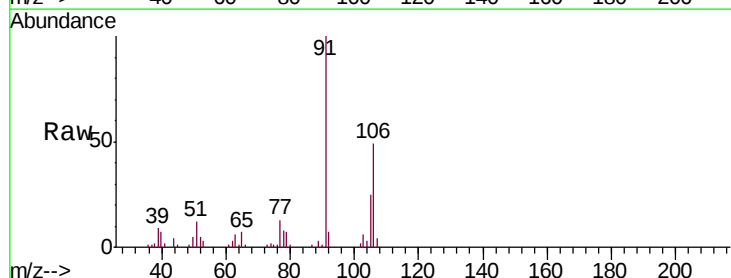
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

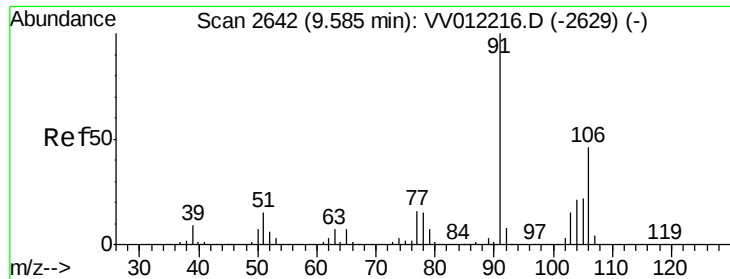
Tgt Ion: 91 Resp: 32402
Ion Ratio Lower Upper
91 100
106 29.1 22.3 41.3



#53
m,p-xylene
Concen: 0.436 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV012214.D
Acq: 13 Aug 2019 14:22

Tgt Ion: 106 Resp: 12319
Ion Ratio Lower Upper
106 100
91 202.3 137.5 255.3





#54

o-xylene

Concen: 0.423 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

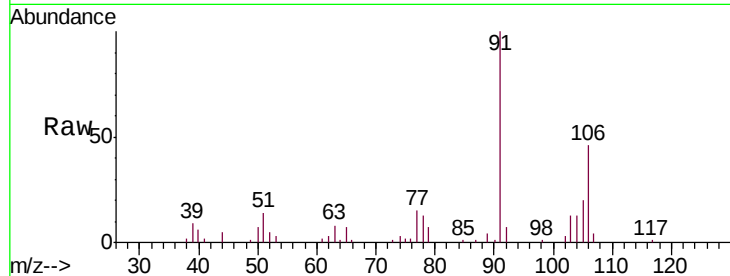
VSTD0.535

Tgt Ion:106 Resp: 11519

Ion Ratio Lower Upper

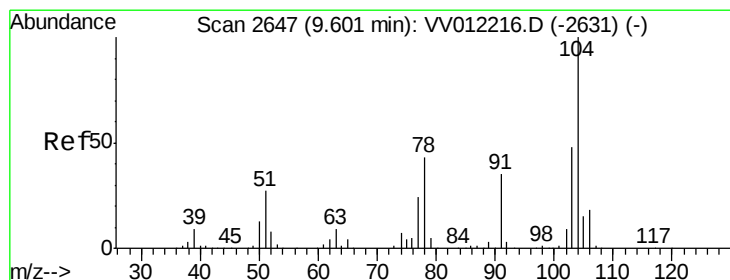
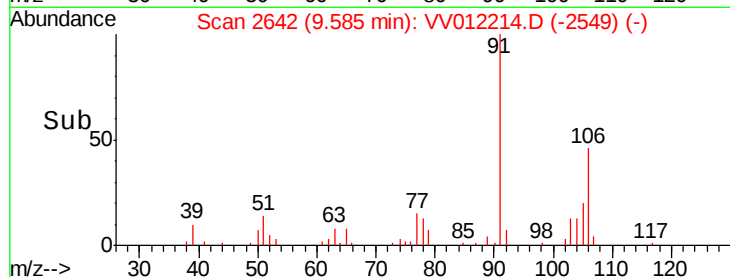
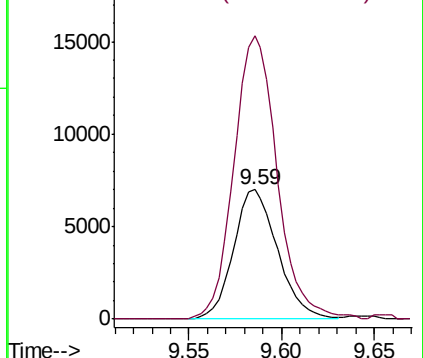
106 100

91 218.4 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.396 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012214.D

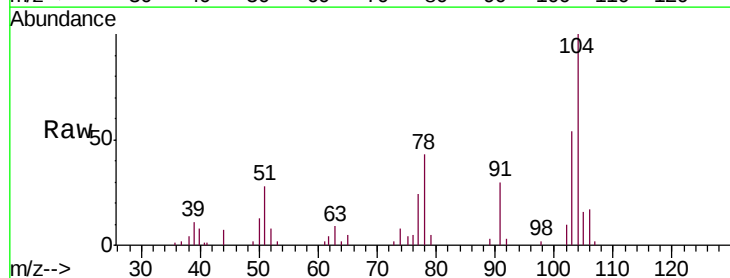
Acq: 13 Aug 2019 14:22

Tgt Ion:104 Resp: 17994

Ion Ratio Lower Upper

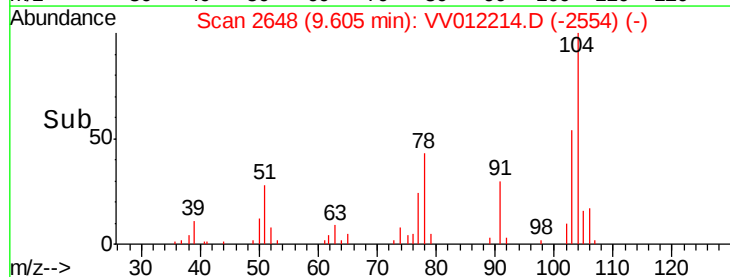
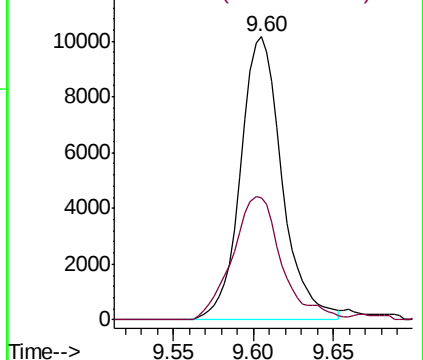
104 100

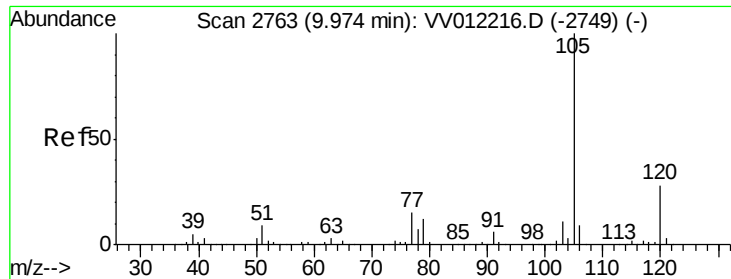
78 43.3 30.3 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.418 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

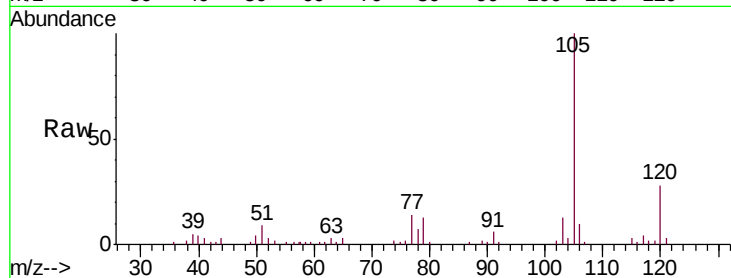
Tgt Ion: 105 Resp: 31251

Ion Ratio Lower Upper

105 100

120 27.6 22.0 33.0

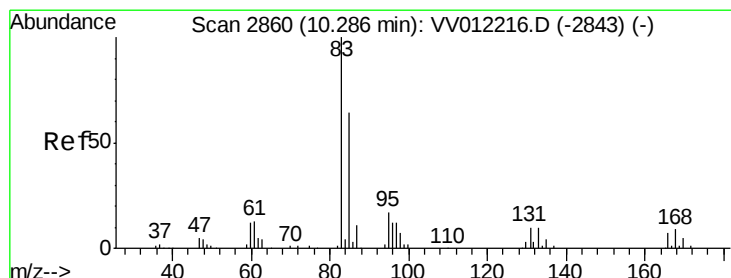
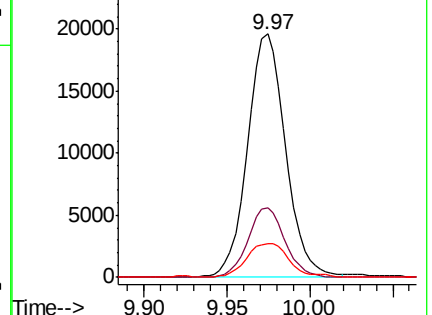
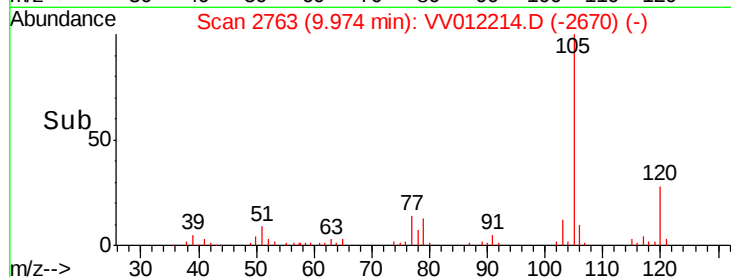
77 15.6 12.5 18.7



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: 0.534 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

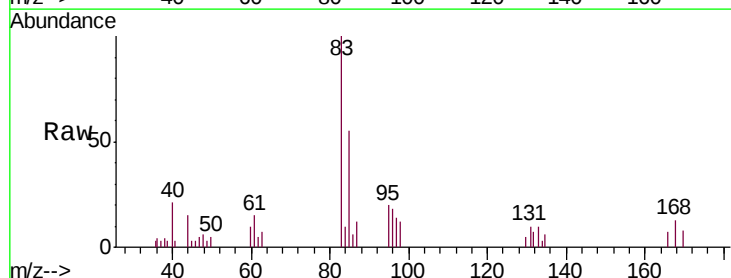
Tgt Ion: 83 Resp: 6095

Ion Ratio Lower Upper

83 100

85 54.9 45.0 83.6

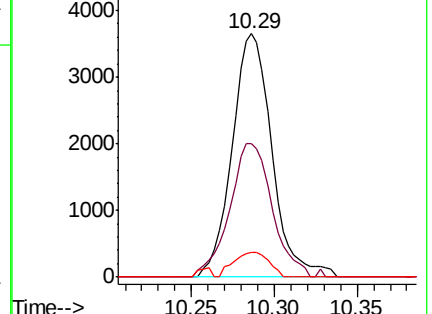
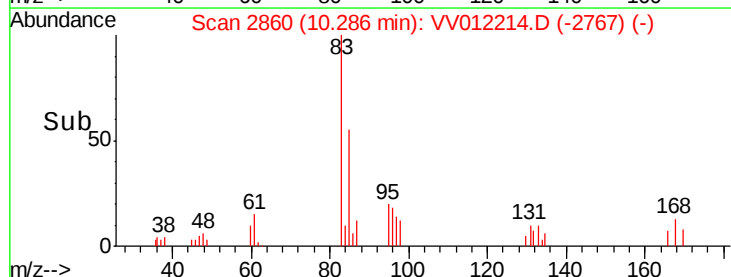
131 10.4 8.3 12.5

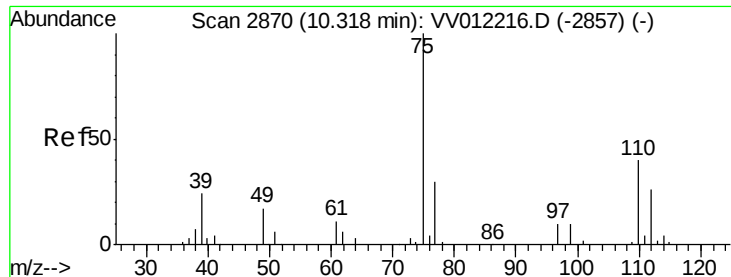


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

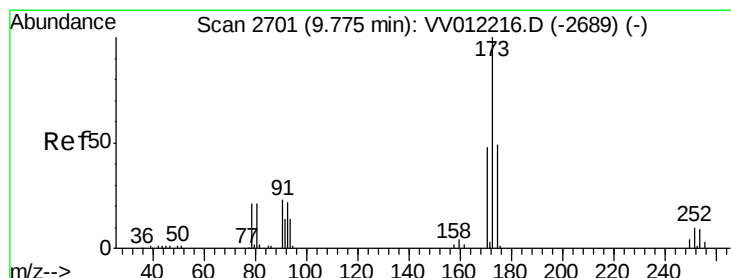
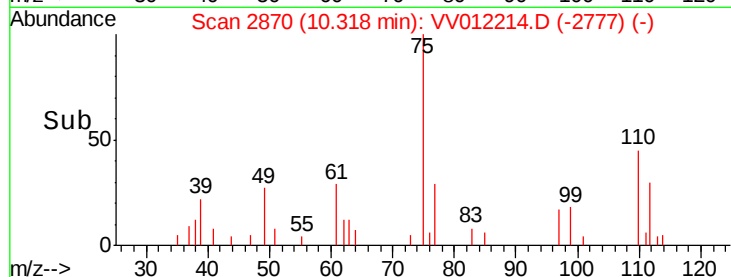
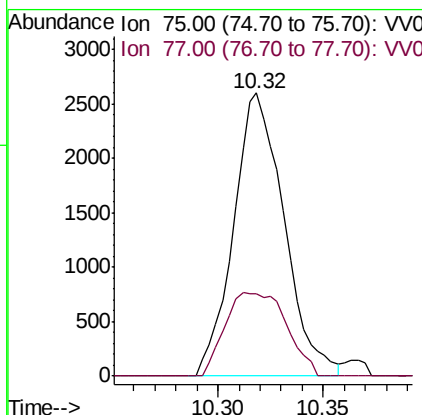
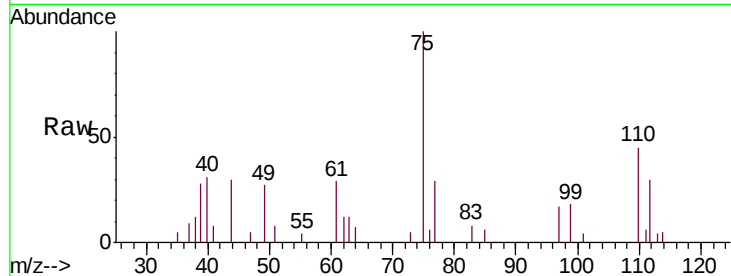




#59
 1,2,3-Trichloropropane
 Concen: 0.497 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

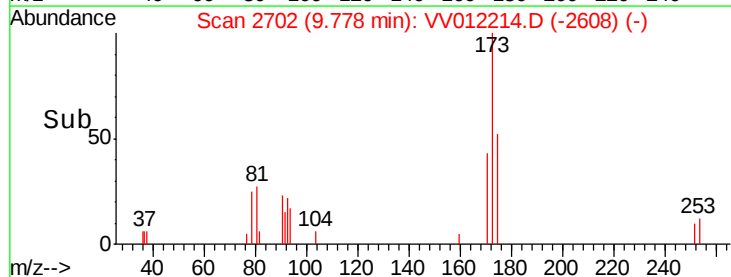
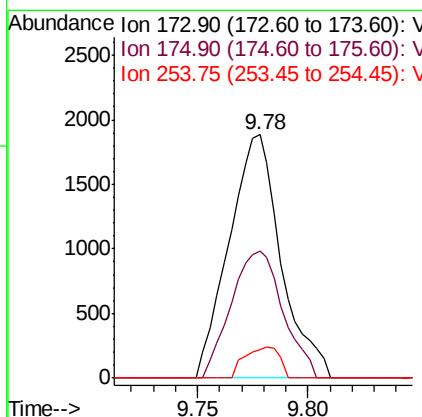
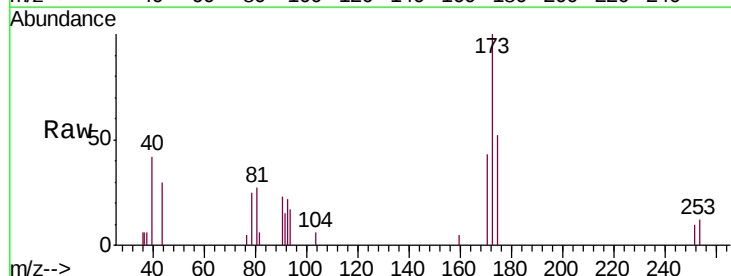
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

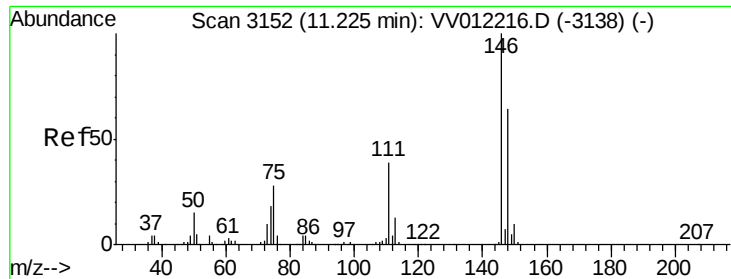
Tgt Ion: 75 Resp: 4340
 Ion Ratio Lower Upper
 75 100
 77 35.7 25.0 37.6



#61
 Bromoform
 Concen: 0.403 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

Tgt Ion: 173 Resp: 3087
 Ion Ratio Lower Upper
 173 100
 175 52.0 38.8 58.2
 254 8.5 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 0.527 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

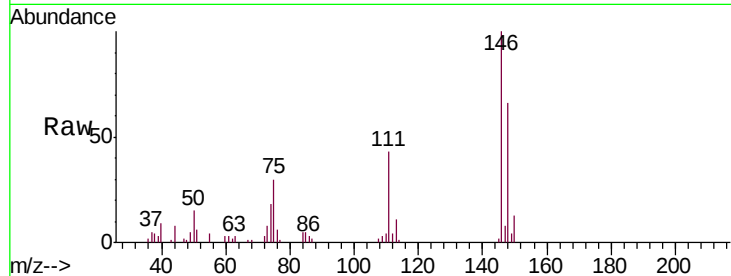
Tgt Ion:146 Resp: 16923

Ion Ratio Lower Upper

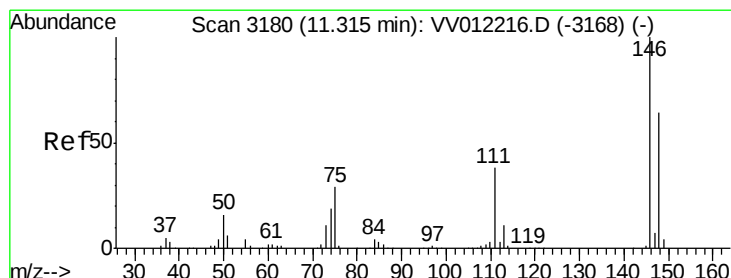
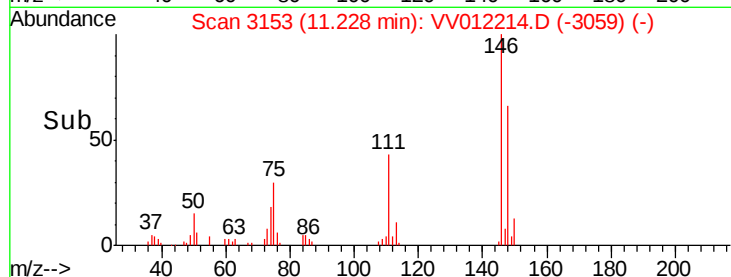
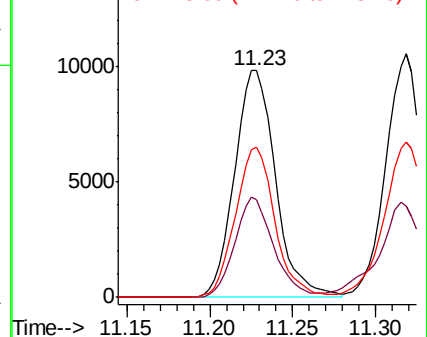
146 100

111 43.0 26.9 50.1

148 66.4 45.0 83.6



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



#63

1,4-Dichlorobenzene

Concen: 0.538 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

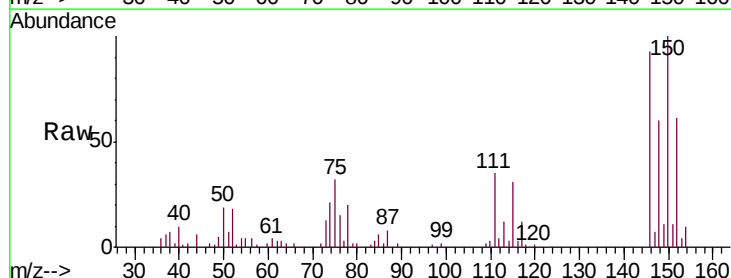
Tgt Ion:146 Resp: 17257

Ion Ratio Lower Upper

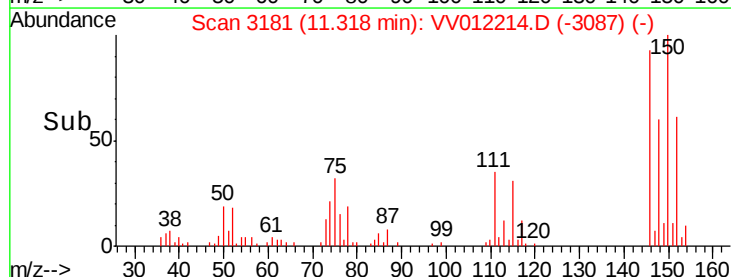
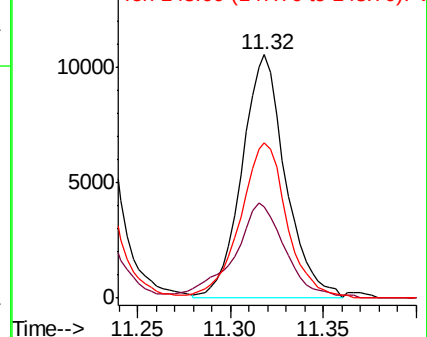
146 100

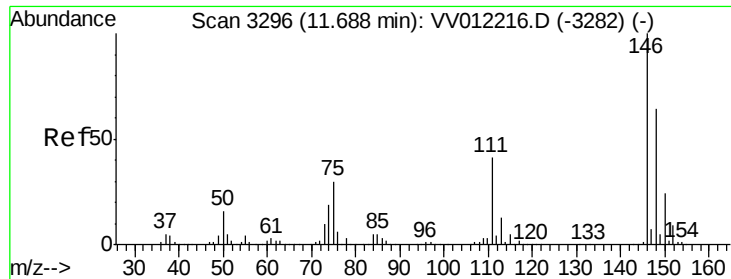
111 37.5 27.0 50.2

148 64.0 44.5 82.7



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

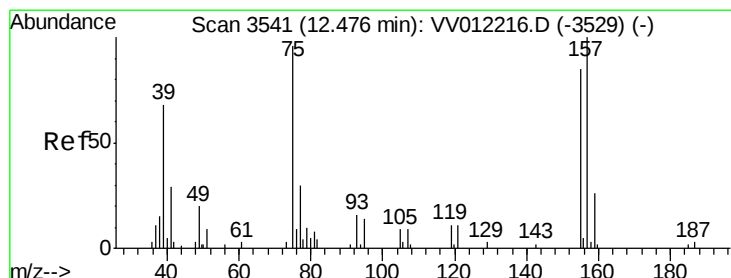
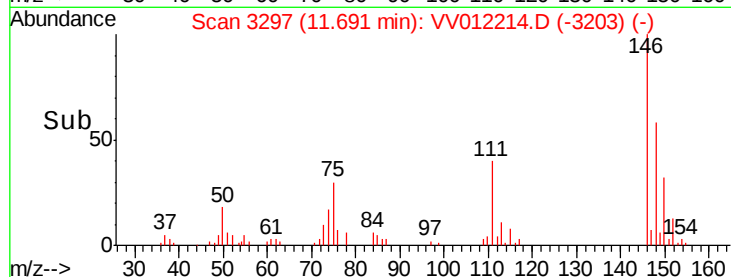
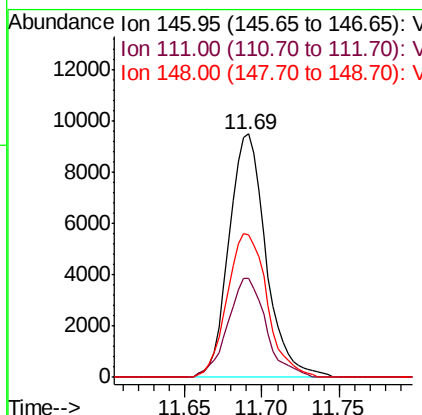
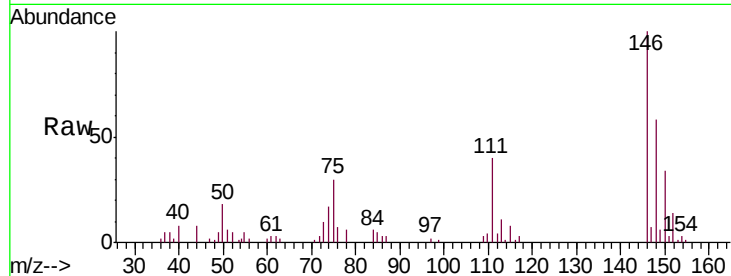




#65
 1,2-Dichlorobenzene
 Concen: 0.530 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

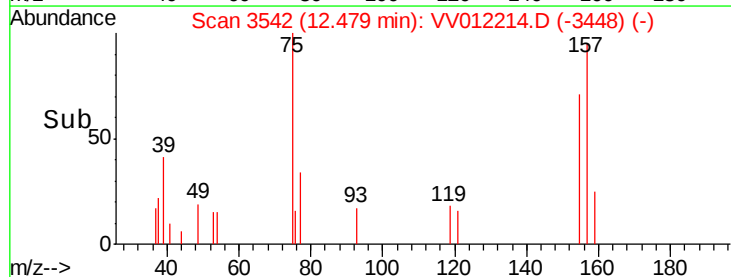
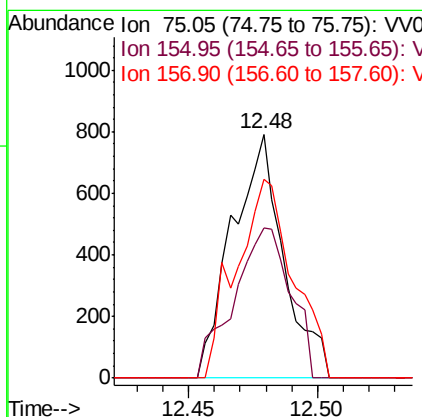
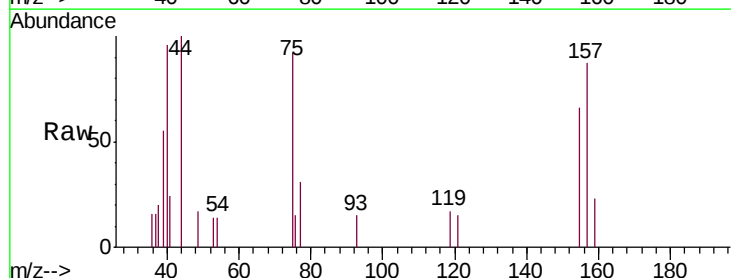
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

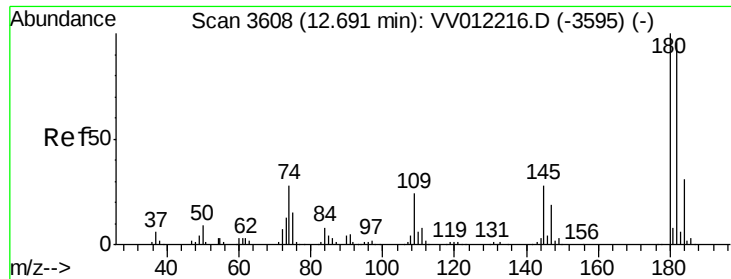
Tgt Ion: 146 Resp: 15721
 Ion Ratio Lower Upper
 146 100
 111 40.4 33.0 49.4
 148 58.3 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.586 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

Tgt Ion: 75 Resp: 1097
 Ion Ratio Lower Upper
 75 100
 155 61.6 70.8 106.2#
 157 81.7 83.5 125.3#

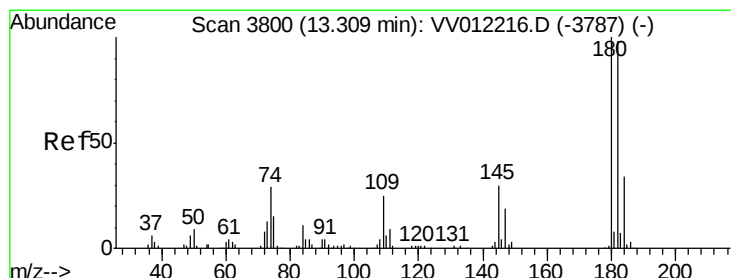
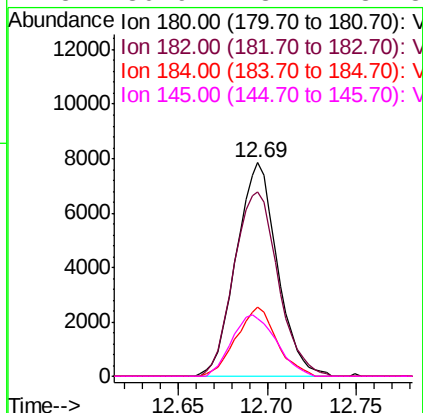
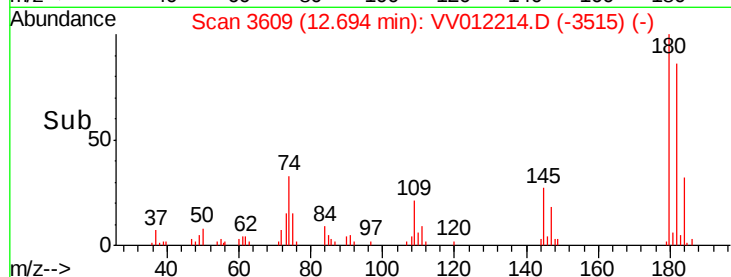
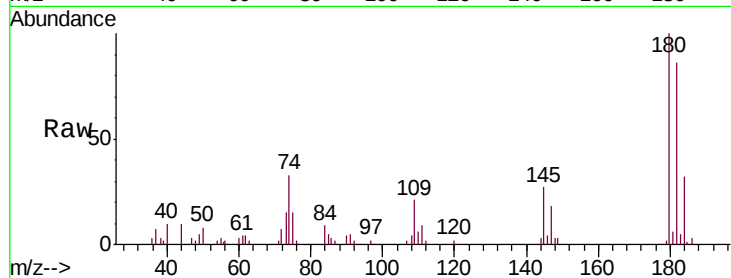




#67
 1,3,5-Trichlorobenzene
 Concen: 0.472 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

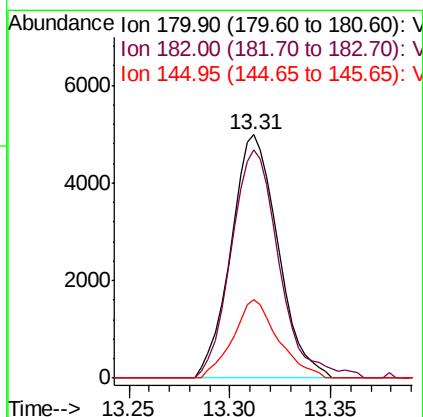
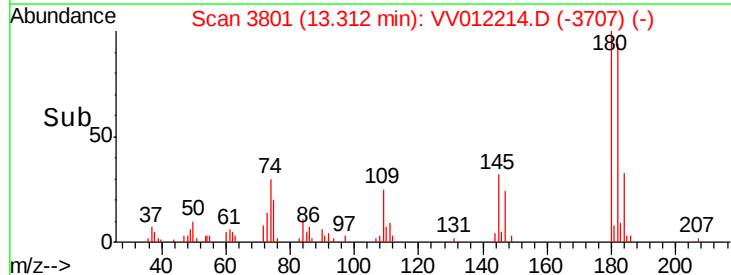
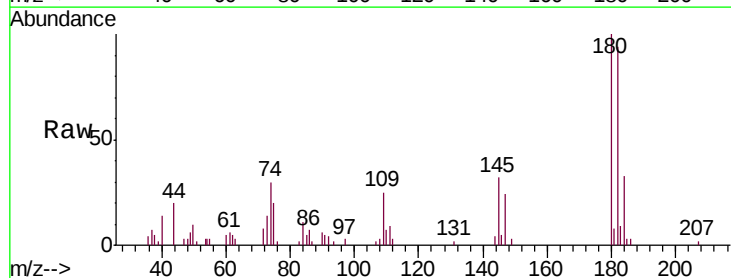
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

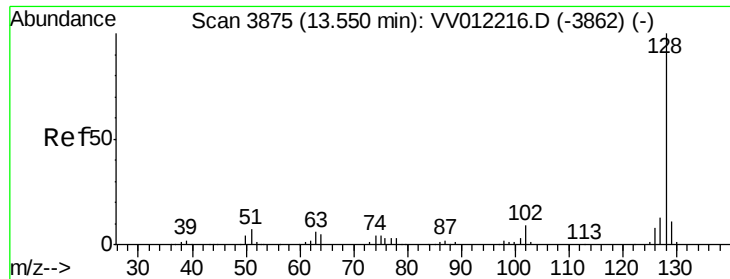
Tgt Ion:	180	Resp:	12598
Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.3	114.5
184	31.6	24.6	36.8
145	30.9	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.375 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012214.D
 Acq: 13 Aug 2019 14:22

Tgt Ion:	180	Resp:	8140
Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.2	115.8
145	30.9	23.9	35.9





#69

Naphthalene

Concen: 0.283 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

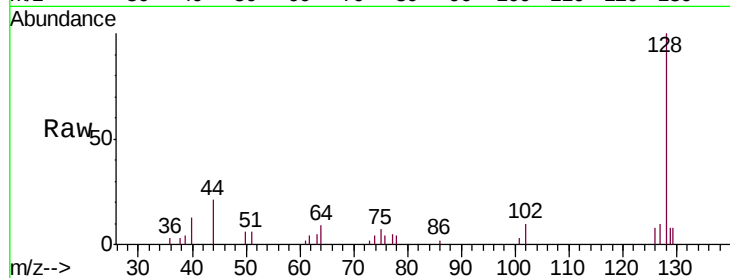
Tgt Ion:128 Resp: 9807

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

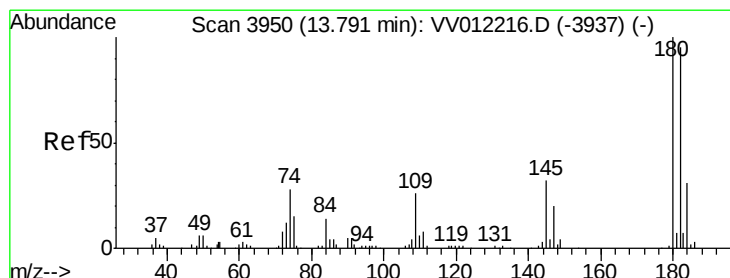
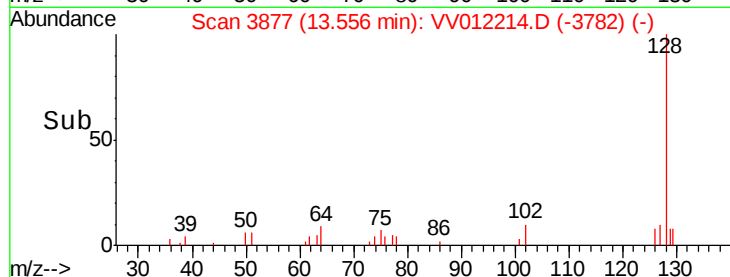
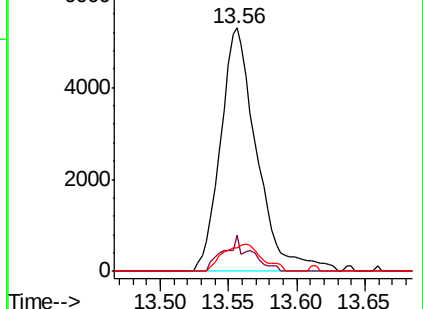
127 11.7 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.371 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012214.D

Acq: 13 Aug 2019 14:22

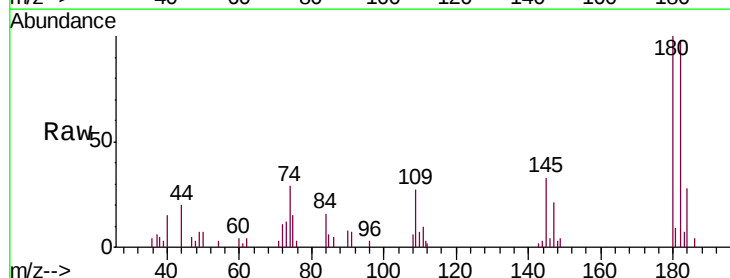
Tgt Ion:180 Resp: 7713

Ion Ratio Lower Upper

180 100

182 96.0 75.0 112.4

145 30.5 24.8 37.2



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

