

Data File : VV010513.D
Acq On : 26 Apr 2019 19:57
Operator : SY/MD
Sample : VSTD00536
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

Quant Time: Apr 26 22:25:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 26 22:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	218774	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	225658	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	117857	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58629	4.68	ug/L	0.00
7) Chloroethane-d5	1.58	69	28524	3.28	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	110725	4.62	ug/L	0.00
20) 2-Butanone-d5	3.95	46	161807	57.92	ug/L	0.00
24) Chloroform-d	4.41	84	159539	5.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	75718	5.60	ug/L	0.00
32) Benzene-d6	5.10	84	306871	5.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	85721	5.36	ug/L	0.00
41) Toluene-d8	7.36	98	304936	5.65	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	31985	5.10	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	149922	60.32	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	70186	5.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	122632	5.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	95482	5.525	ug/L 100
3) Chloromethane	1.26	50	57625	4.372	ug/L 100
5) Vinyl chloride	1.32	62	64802	4.516	ug/L 100
6) Bromomethane	1.54	94	31757	3.538	ug/L 100
8) Chloroethane	1.60	64	24113	3.165	ug/L 100
9) Trichlorofluoromethane	1.77	101	129255	4.791	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	64451	4.616	ug/L 100
12) 1,1-Dichloroethene	2.14	96	57260	4.512	ug/L 100
13) Acetone	2.21	43	77133	48.446	ug/L 100
14) Carbon disulfide	2.32	76	143896	4.236	ug/L 100
15) Methyl Acetate	2.47	43	22674	5.267	ug/L 100
16) Methylene chloride	2.53	84	82366	5.505	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	166826	5.361	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	82329	5.615	ug/L 100
19) 1,1-Dichloroethane	3.23	63	136459	5.785	ug/L 100
21) 2-Butanone	4.04	43	159242	55.623	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	85135	5.569	ug/L 100
23) Bromochloromethane	4.30	128	41009	5.999	ug/L 100
25) Chloroform	4.43	83	152800	5.577	ug/L 100
27) 1,2-Dichloroethane	5.18	62	88102	5.464	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	135959	5.187	ug/L 100
30) Cyclohexane	4.73	56	102180	4.724	ug/L 100
31) Carbon tetrachloride	4.88	117	131615	5.497	ug/L 100
33) Benzene	5.15	78	308958	5.344	ug/L 100
34) Trichloroethene	5.96	95	87395	5.252	ug/L 100
35) Methylcyclohexane	6.18	83	112236	4.671	ug/L 100
37) 1,2-Dichloropropane	6.22	63	72830	5.175	ug/L 100
38) Bromodichloromethane	6.56	83	99074	5.255	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	103770	5.056	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	406685	51.590	ug/L 100

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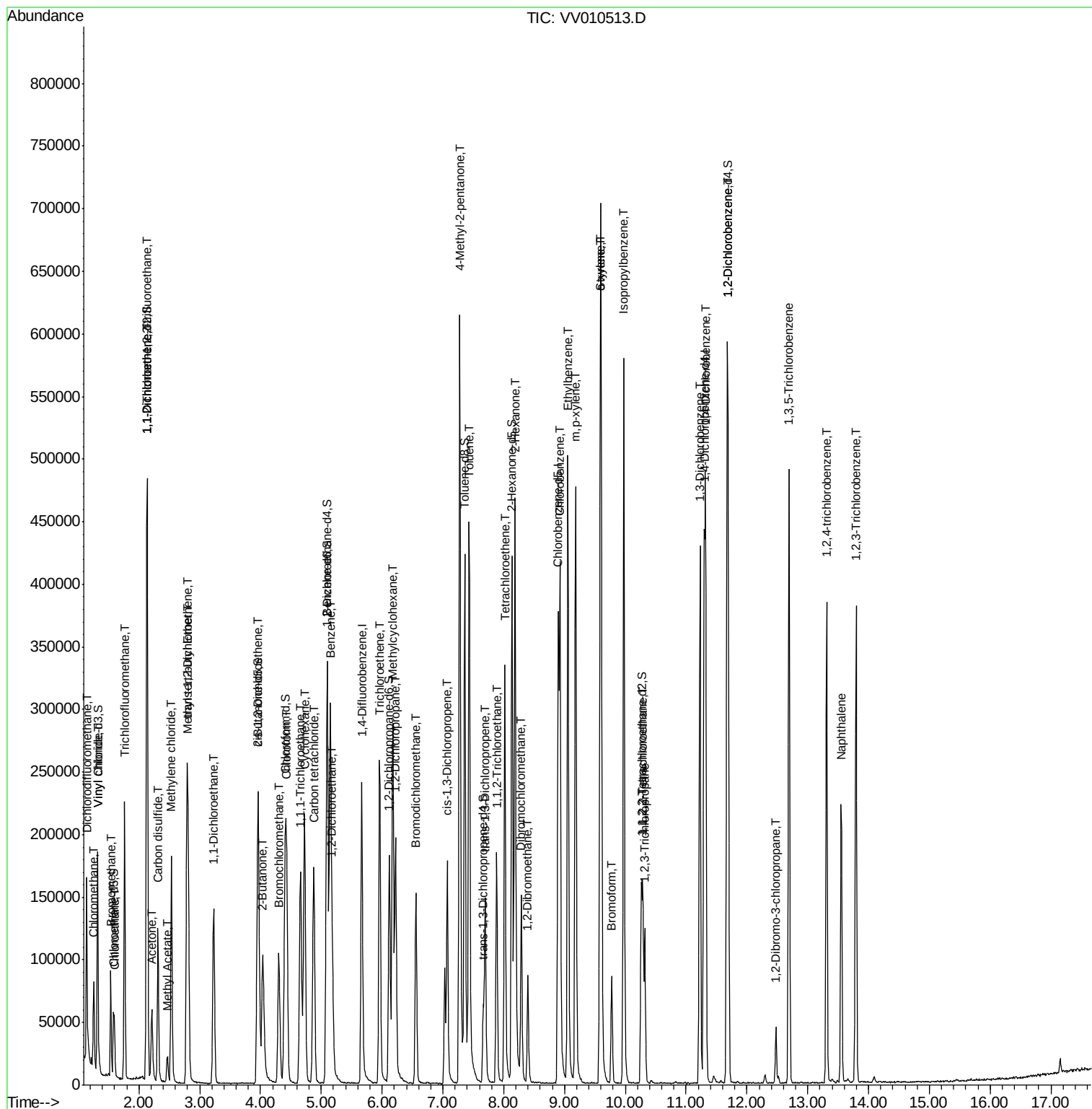
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	351961	5.336	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	82085	5.152	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	60171	5.723	ug/L	100
47) Tetrachloroethene	8.02	164	82436	5.457	ug/L	100
48) 2-Hexanone	8.19	43	291699	53.184	ug/L	100
49) Dibromochloromethane	8.29	129	76444	5.656	ug/L	100
50) 1,2-Dibromoethane	8.40	107	57200	5.651	ug/L	100
51) Chlorobenzene	8.93	112	236416	5.261	ug/L	100
52) Ethylbenzene	9.06	91	364975	5.057	ug/L	100
53) m,p-xylene	9.18	106	143395	5.085	ug/L	100
54) o-xylene	9.59	106	143078	5.117	ug/L	100
55) Styrene	9.60	104	244993	5.369	ug/L	100
56) Isopropylbenzene	9.97	105	374287	5.074	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	68593	5.690	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	47000	5.404	ug/L	100
61) Bromoform	9.78	173	39938	5.574	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	190029	5.181	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	192965	5.204	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	188108	5.353	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	10529	5.382	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	158868	5.262	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	121826	5.307	ug/L	100
69) Naphthalene	13.55	128	183187	5.314	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	123961	5.589	ug/L	100

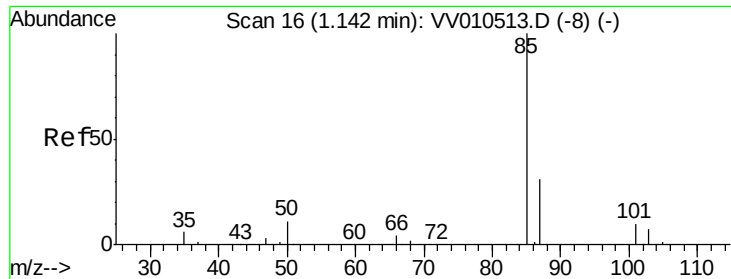
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.525 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

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Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

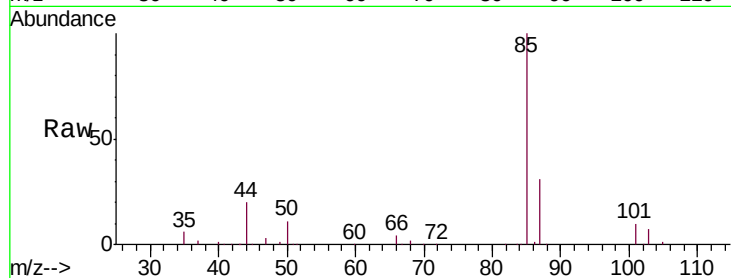
VSTD00536

Tgt Ion: 85 Resp: 95482

Ion Ratio Lower Upper

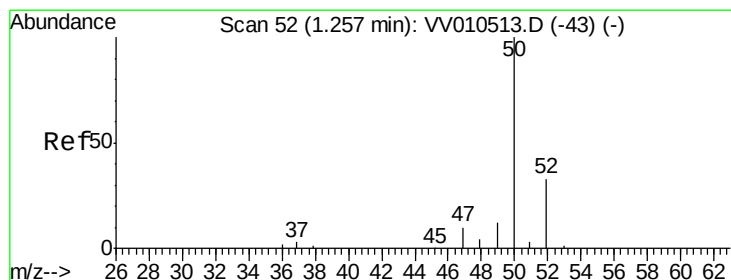
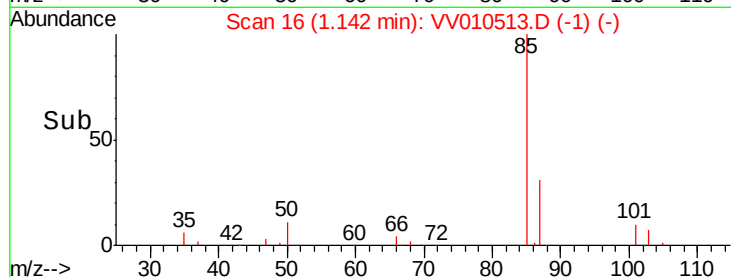
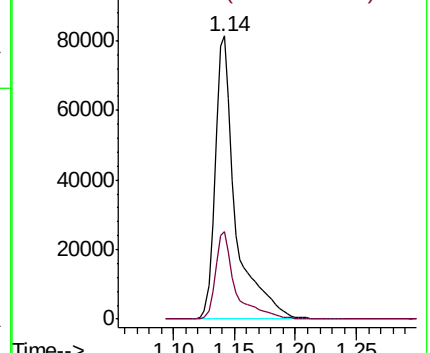
85 100

87 30.1 24.1 36.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.372 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV010513.D

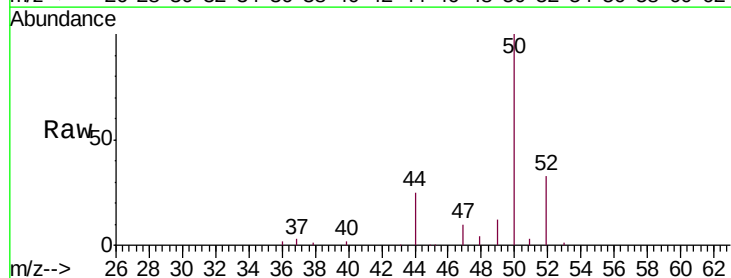
Acq: 26 Apr 2019 19:57

Tgt Ion: 50 Resp: 57625

Ion Ratio Lower Upper

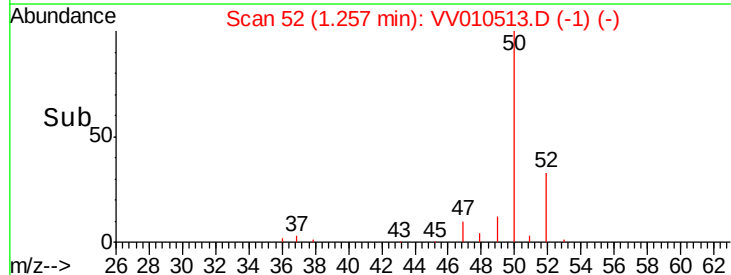
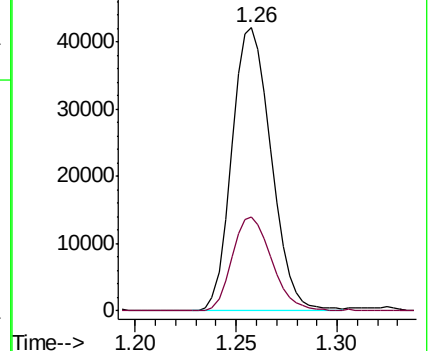
50 100

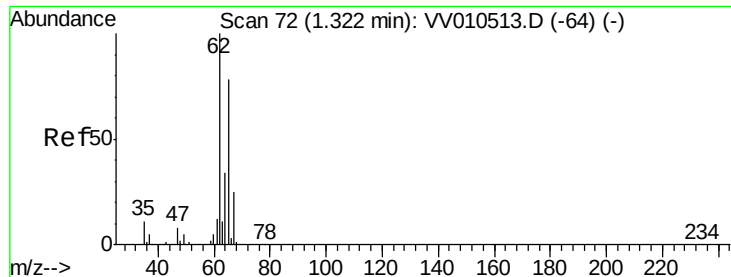
52 33.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.516 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

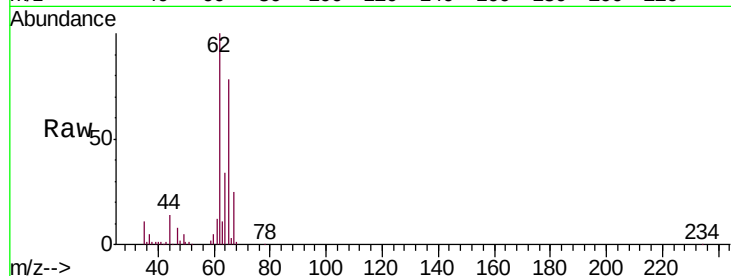
VSTD00536

Tgt Ion: 62 Resp: 64802

Ion Ratio Lower Upper

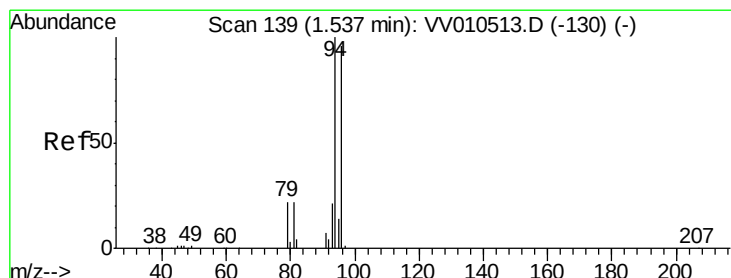
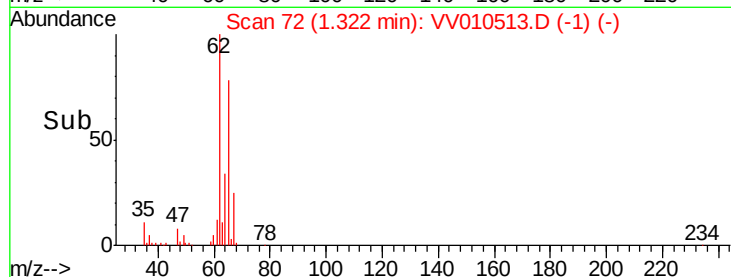
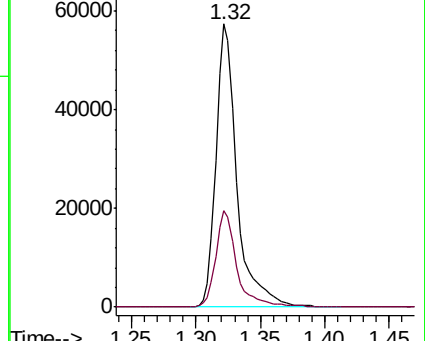
62 100

64 34.2 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV010513.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV010513.D (-64) (-)



#6

Bromomethane

Concen: 3.538 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV010513.D

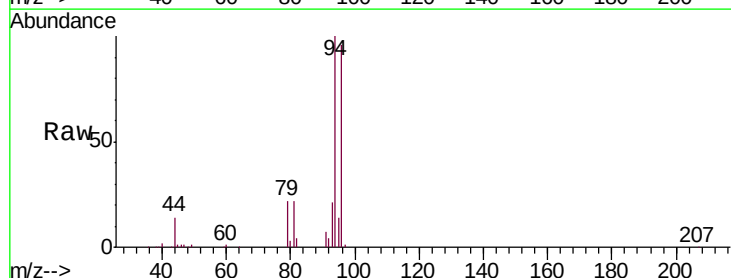
Acq: 26 Apr 2019 19:57

Tgt Ion: 94 Resp: 31757

Ion Ratio Lower Upper

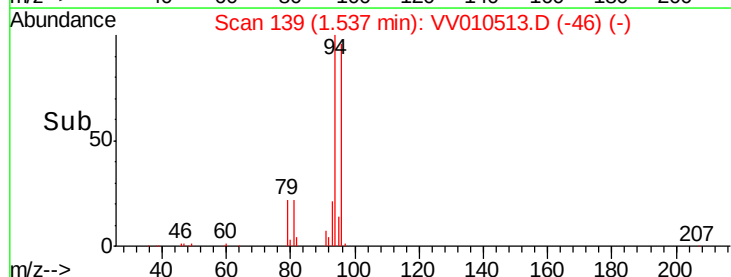
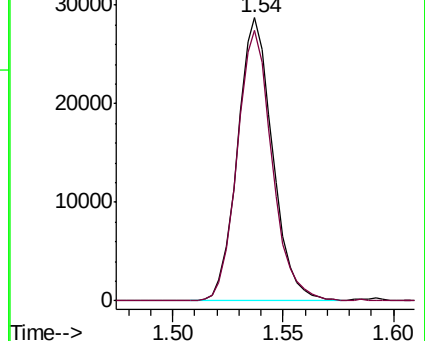
94 100

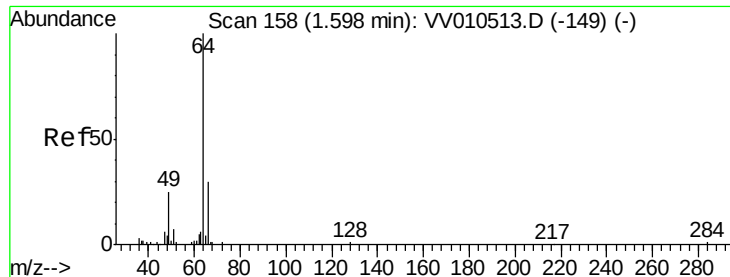
96 95.6 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV010513.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV010513.D (-130) (-)

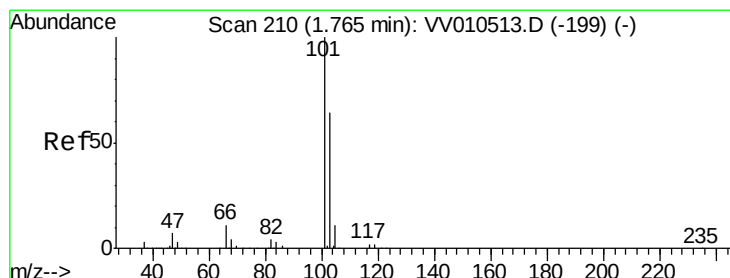
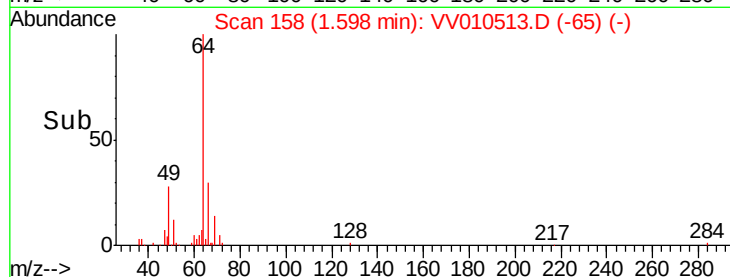
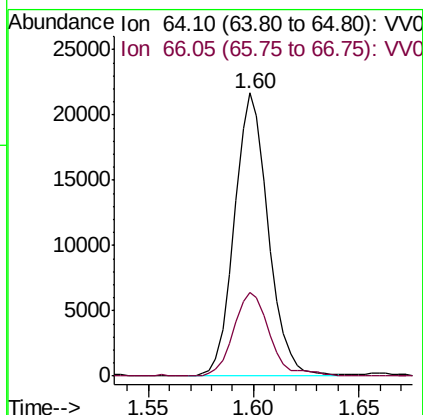
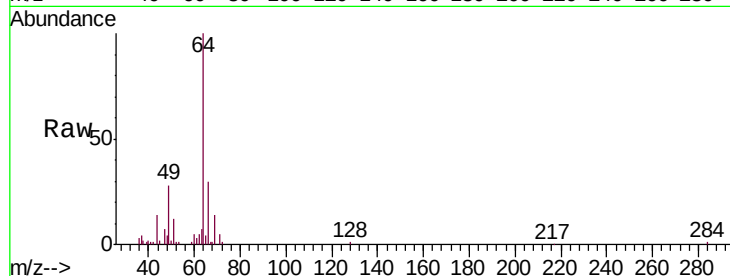




#8
Chloroethane
Concen: 3.165 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV010513.D
Acq: 26 Apr 2019 19:57

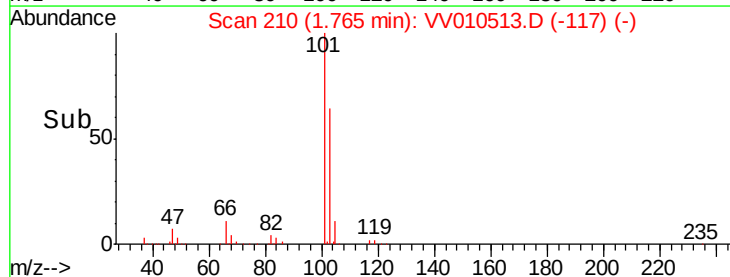
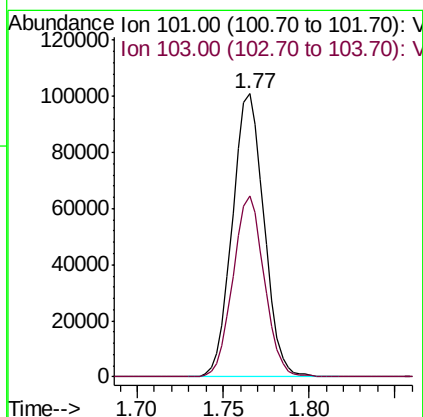
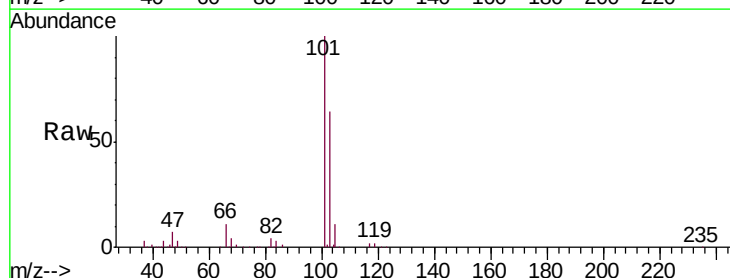
Instrument :
MSVOA_V
ClientSampleId :
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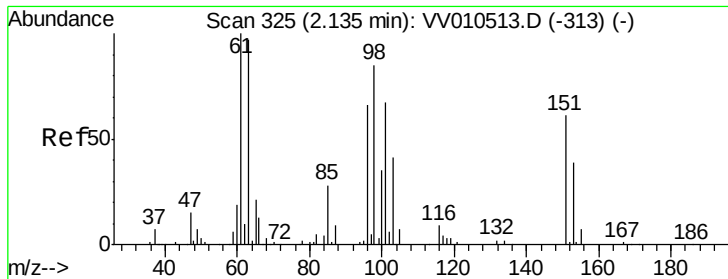
Tgt Ion: 64 Resp: 24113
Ion Ratio Lower Upper
64 100
66 29.6 20.7 38.5



#9
Trichlorofluoromethane
Concen: 4.791 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV010513.D
Acq: 26 Apr 2019 19:57

Tgt Ion: 101 Resp: 129255
Ion Ratio Lower Upper
101 100
103 63.1 50.5 75.7





#10

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

Concen: 4.616 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

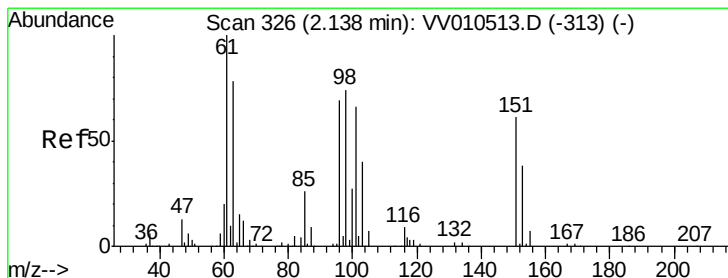
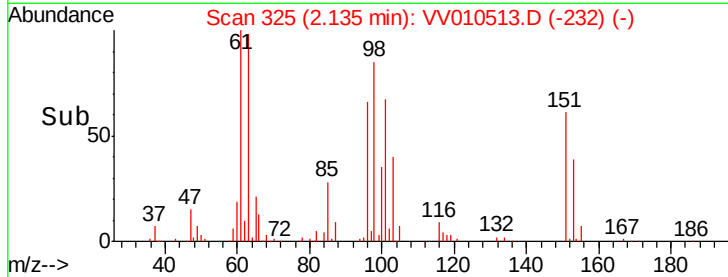
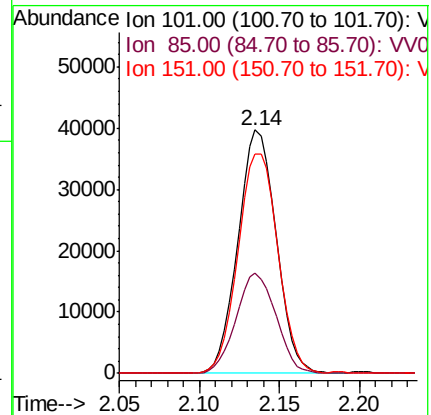
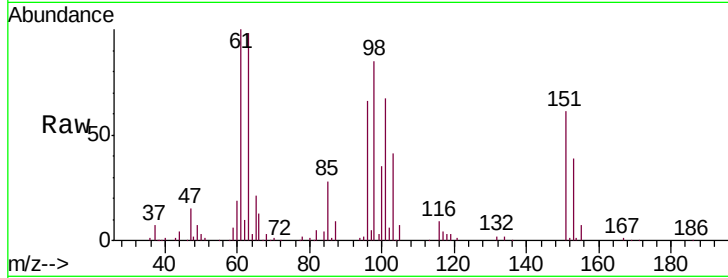
Tgt Ion:101 Resp: 64451

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.4

151 94.0 75.2 112.8



#12

1,1-Dichloroethene

Concen: 4.512 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

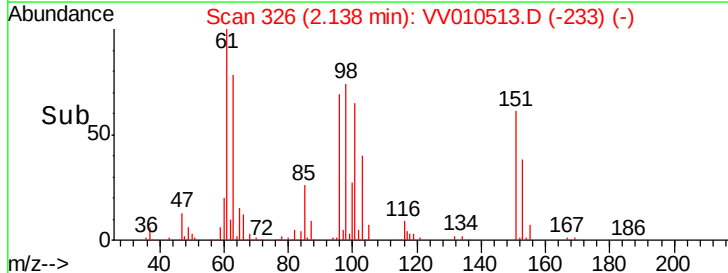
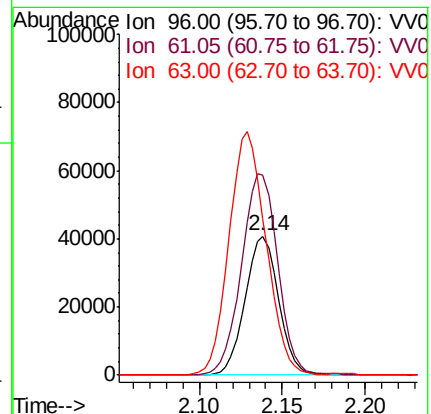
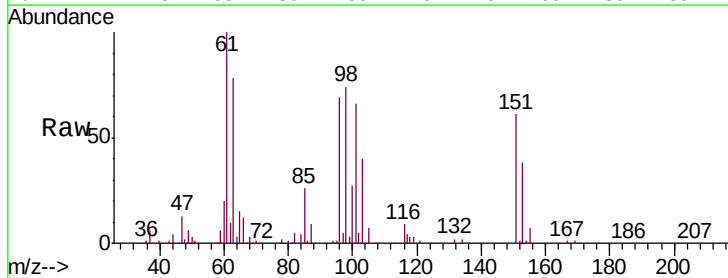
Tgt Ion: 96 Resp: 57260

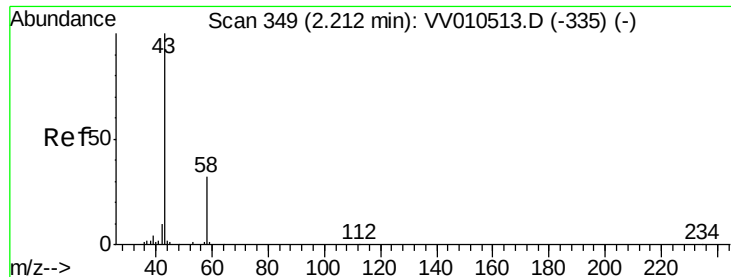
Ion Ratio Lower Upper

96 100

61 144.6 101.2 188.0

63 113.1 79.2 147.0





#13

Acetone

Concen: 48.446 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

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ClientSampleId :

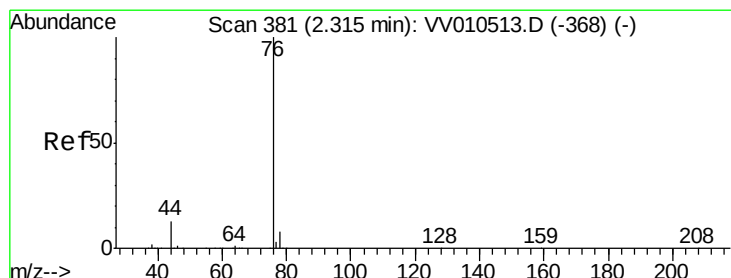
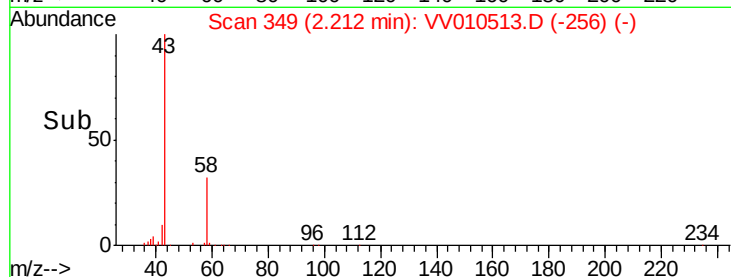
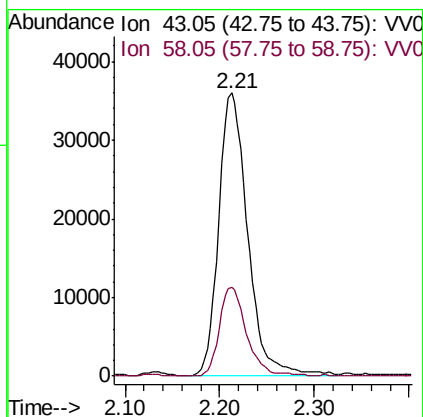
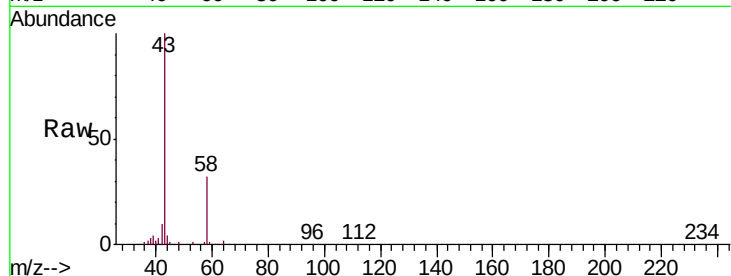
VSTD00536

Tgt Ion: 43 Resp: 77133

Ion Ratio Lower Upper

43 100

58 28.7 0.0 57.4



#14

Carbon disulfide

Concen: 4.236 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010513.D

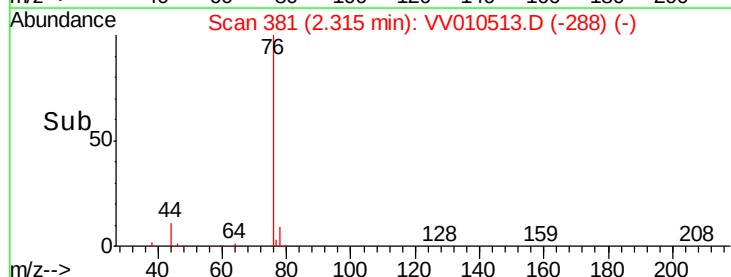
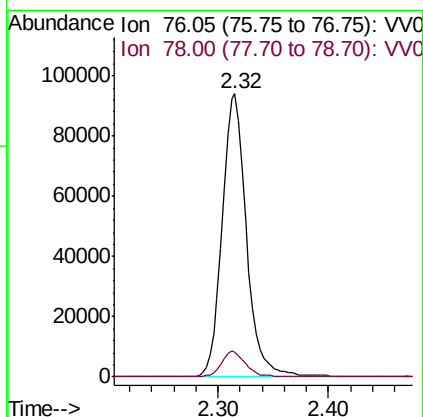
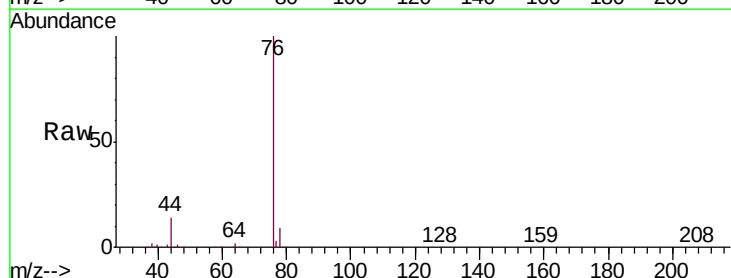
Acq: 26 Apr 2019 19:57

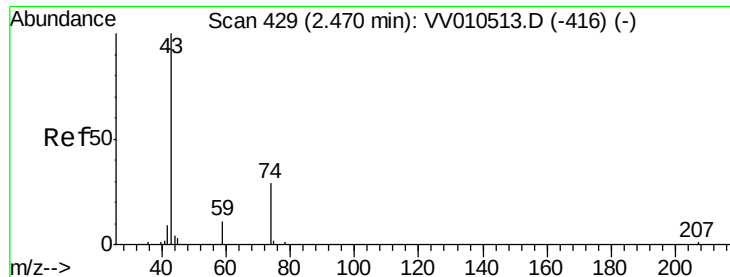
Tgt Ion: 76 Resp: 143896

Ion Ratio Lower Upper

76 100

78 8.6 6.9 10.3





#15

Methyl Acetate

Concen: 5.267 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

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Acq: 26 Apr 2019 19:57

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MSVOA_V

ClientSampleId :

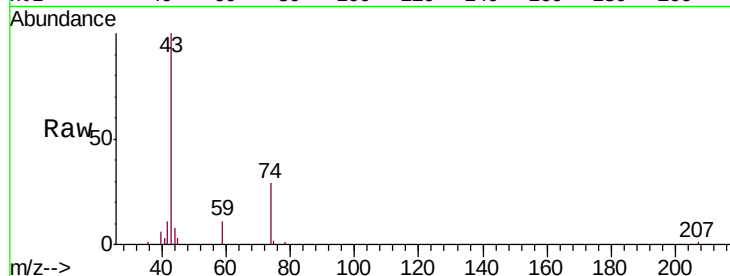
VSTD00536

Tgt Ion: 43 Resp: 22674

Ion Ratio Lower Upper

43 100

74 30.2 24.2 36.2



Abundance Ion 43.05 (42.75 to 43.75): VV010513.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VV010513.D (-416) (-)

2.47

15000

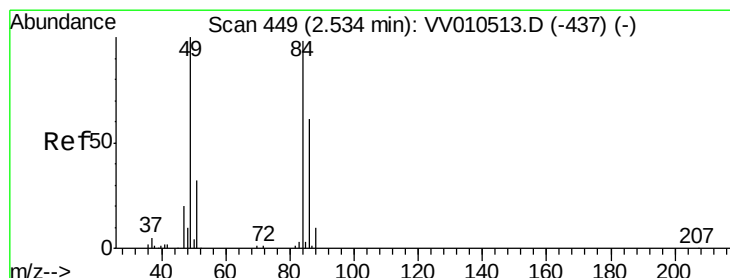
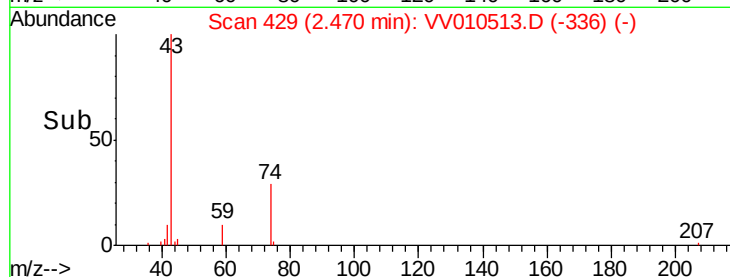
10000

5000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 5.505 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

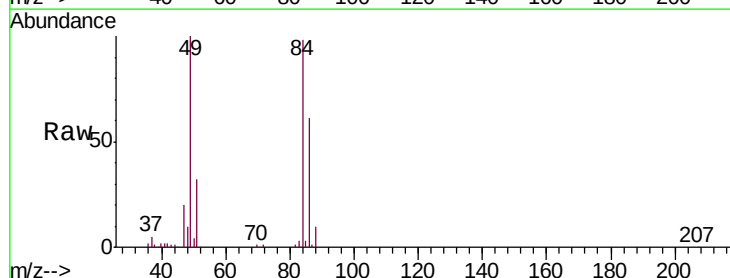
Tgt Ion: 84 Resp: 82366

Ion Ratio Lower Upper

84 100

86 62.4 43.7 81.1

49 102.0 71.4 132.6



Abundance Ion 84.05 (83.75 to 84.75): VV010513.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010513.D (-437) (-)

Ion 49.10 (48.80 to 49.80): VV010513.D (-437) (-)

2.53

60000

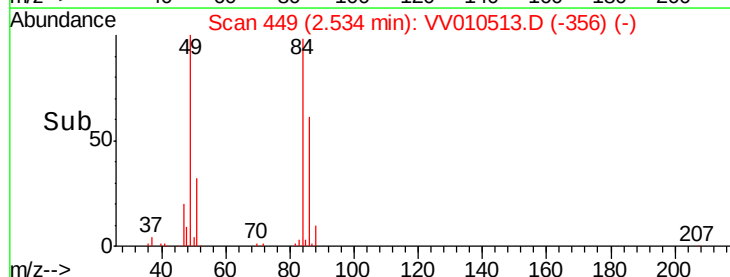
40000

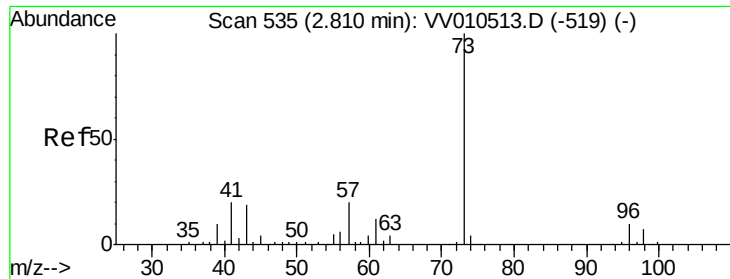
20000

0

Time-->

2.45 2.50 2.55 2.60

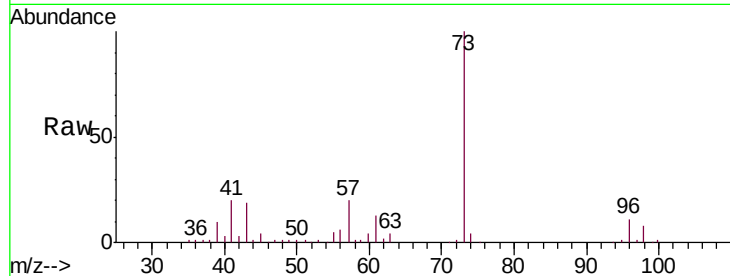




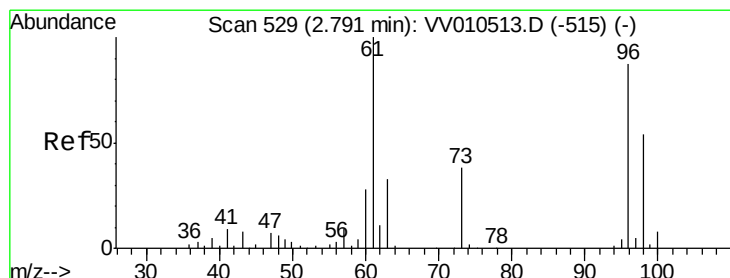
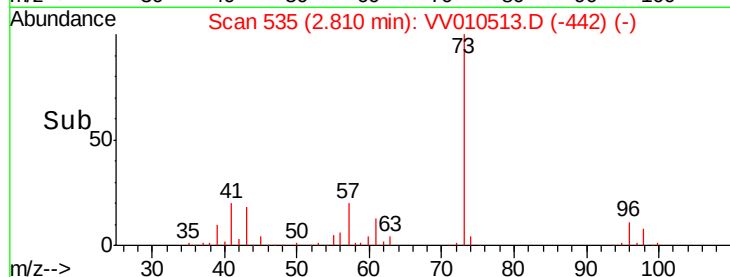
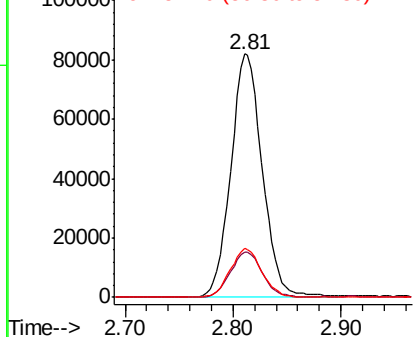
#17
Methyl tert-butyl Ether
Concen: 5.361 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV010513.D
Acq: 26 Apr 2019 19:57

Instrument :
MSVOA_V
ClientSampled :
VSTD00536

Tgt Ion: 73 Resp: 166826
Ion Ratio Lower Upper
73 100
43 19.2 15.4 23.0
57 20.0 16.0 24.0

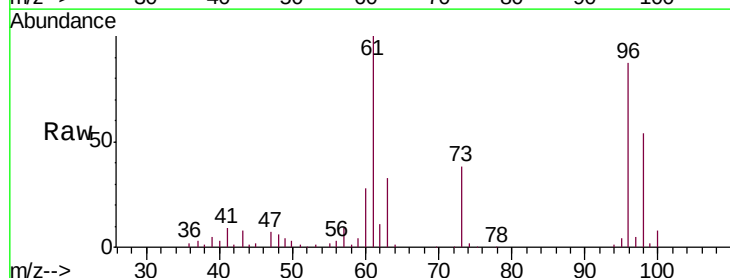


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

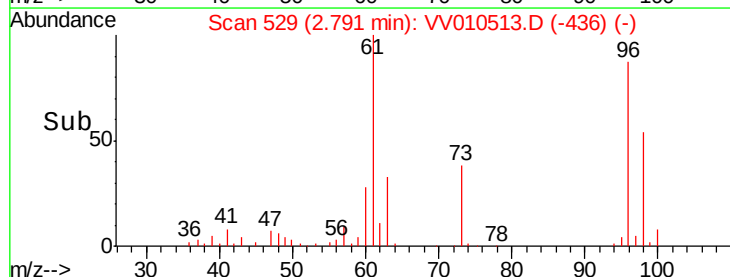
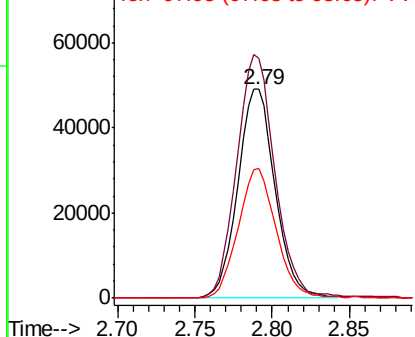


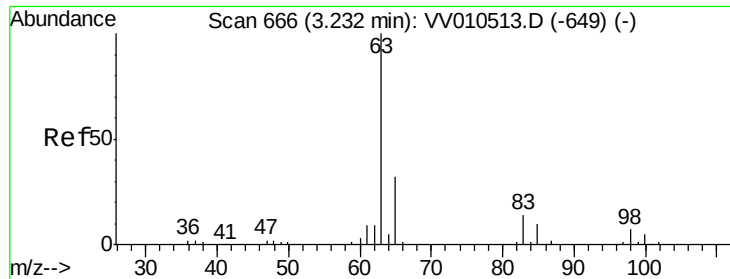
#18
trans-1,2-Dichloroethene
Concen: 5.615 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV010513.D
Acq: 26 Apr 2019 19:57

Tgt Ion: 96 Resp: 82329
Ion Ratio Lower Upper
96 100
61 114.5 80.2 148.9
98 61.8 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

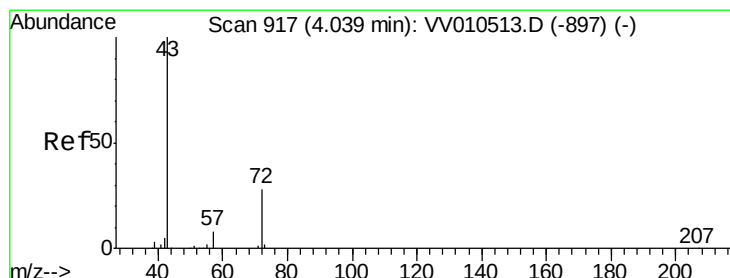
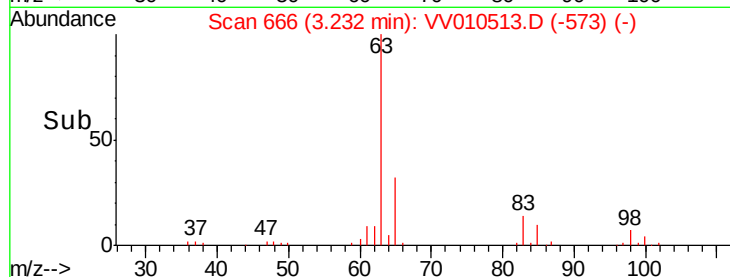
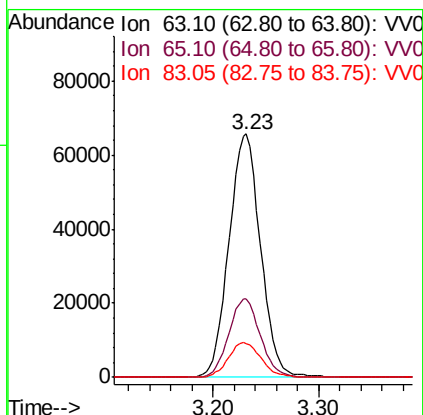
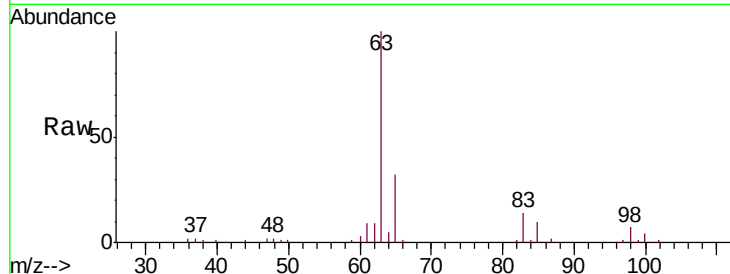




#19
 1,1-Dichloroethane
 Concen: 5.785 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

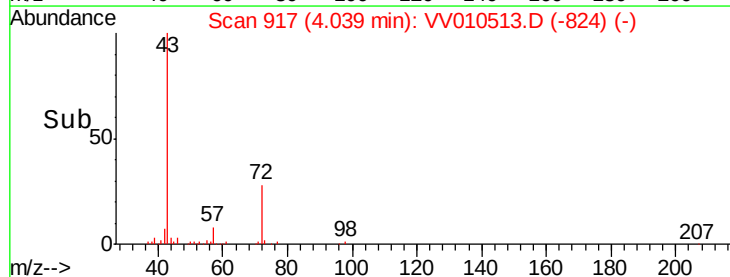
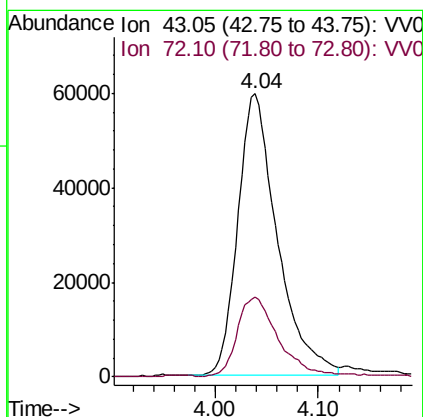
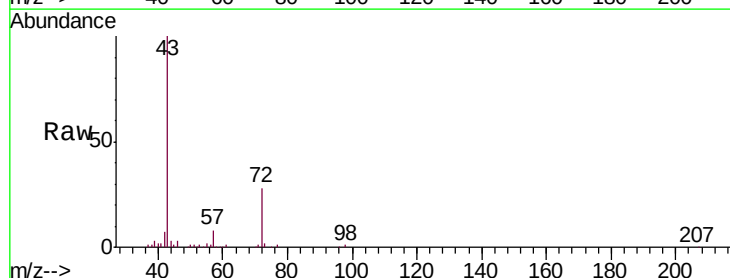
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

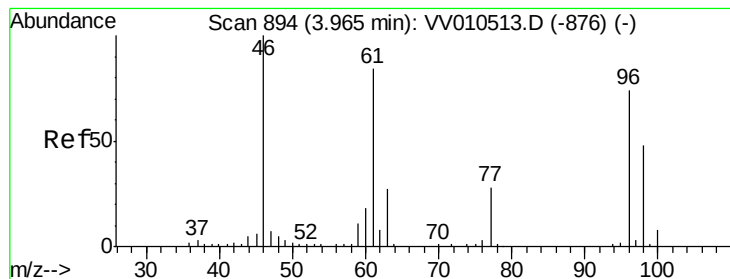
Tgt Ion: 63 Resp: 136459
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.6 42.0
 83 14.0 9.8 18.2



#21
 2-Butanone
 Concen: 55.623 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Tgt Ion: 43 Resp: 159242
 Ion Ratio Lower Upper
 43 100
 72 29.2 14.6 43.8



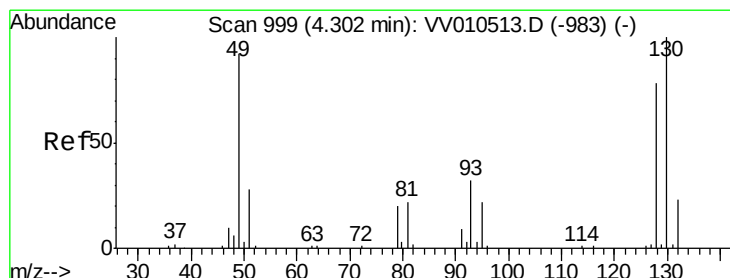
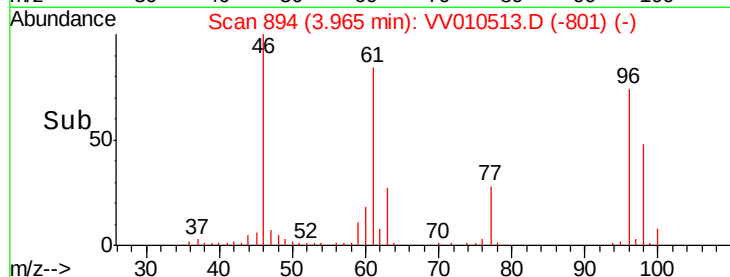
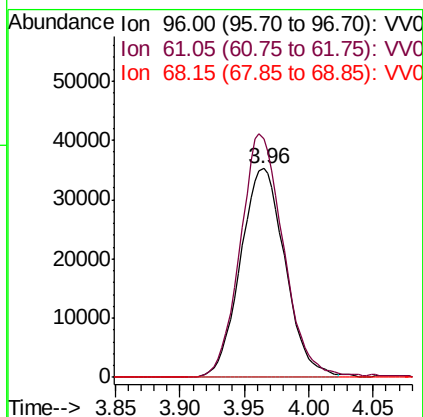
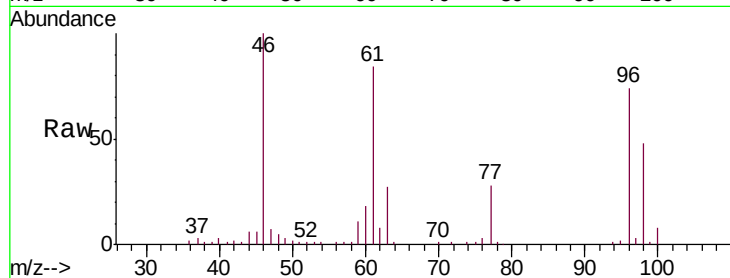


#22

cis-1,2-Dichloroethene
 Concen: 5.569 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00536

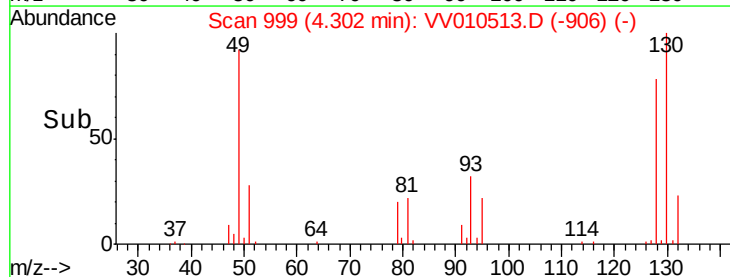
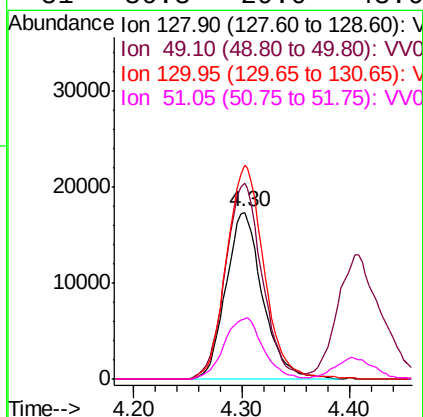
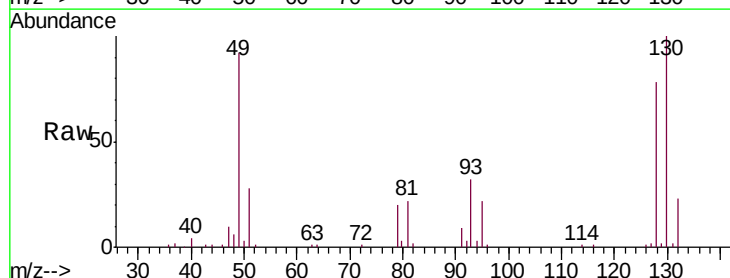
Tgt Ion: 96 Resp: 85135
 Ion Ratio Lower Upper
 96 100
 61 114.1 79.9 148.3
 68 0.0 0.0 0.0

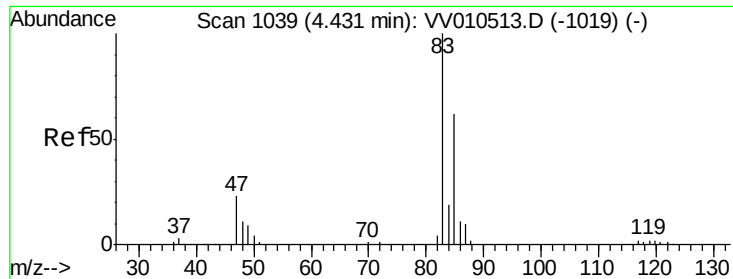


#23

Bromochloromethane
 Concen: 5.999 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Tgt Ion: 128 Resp: 41009
 Ion Ratio Lower Upper
 128 100
 49 117.6 82.3 152.9
 130 128.3 89.8 166.8
 51 36.3 29.0 43.6

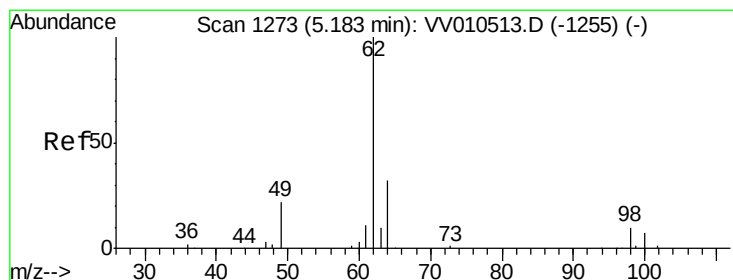
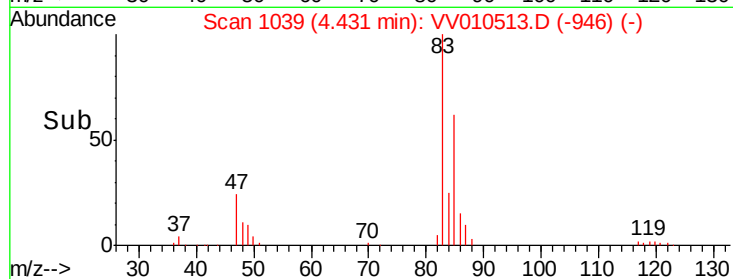
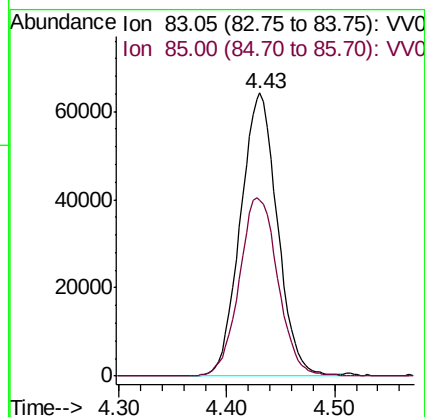
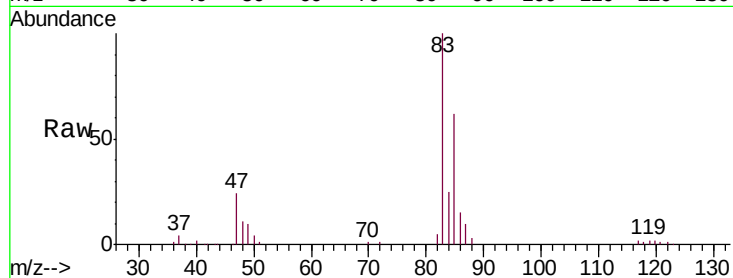




#25
Chloroform
Concen: 5.577 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV010513.D
Acq: 26 Apr 2019 19:57

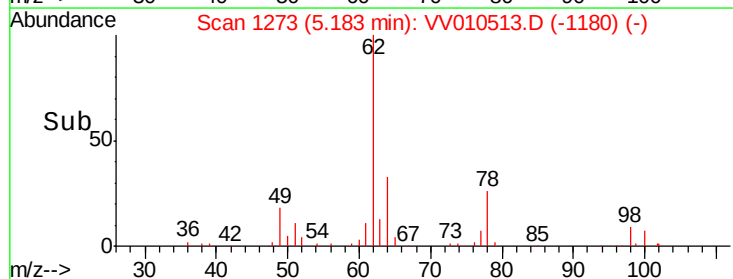
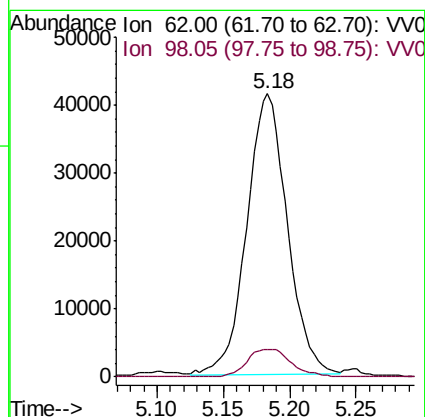
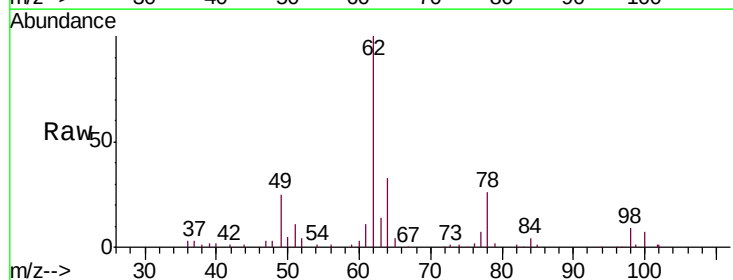
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

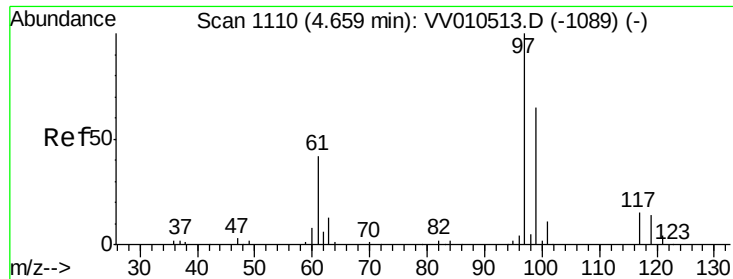
Tgt Ion: 83 Resp: 152800
Ion Ratio Lower Upper
83 100
85 62.3 43.6 81.0



#27
1,2-Dichloroethane
Concen: 5.464 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV010513.D
Acq: 26 Apr 2019 19:57

Tgt Ion: 62 Resp: 88102
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

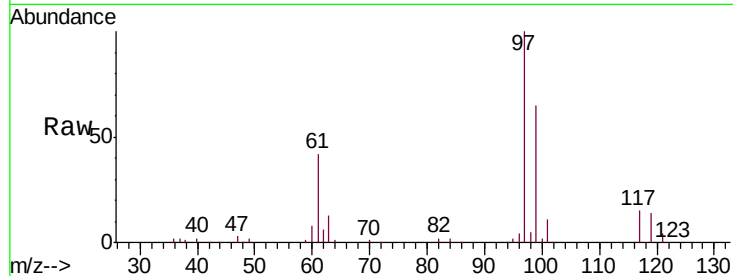




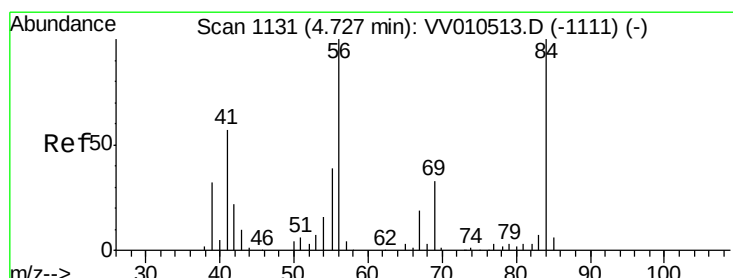
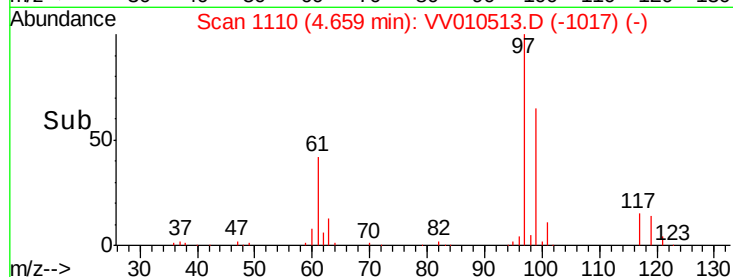
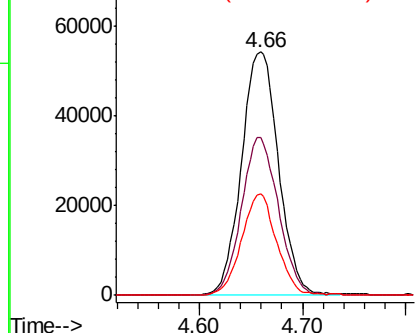
#29
 1,1,1-Trichloroethane
 Concen: 5.187 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tgt Ion: 97 Resp: 135959
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.8 77.6
 61 39.5 31.6 47.4

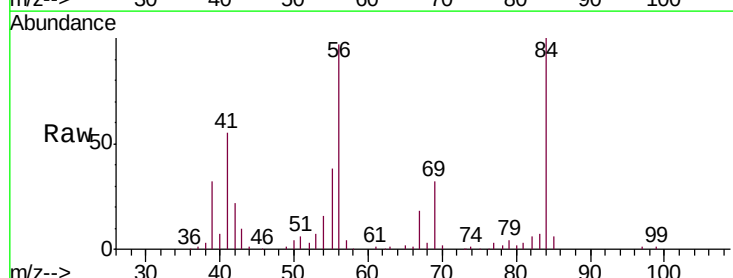


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

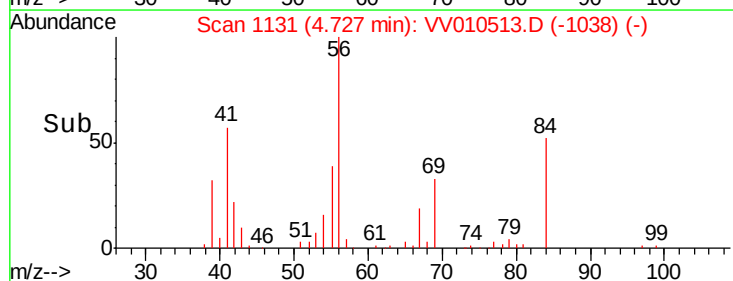
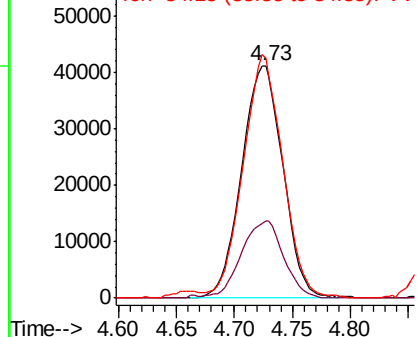


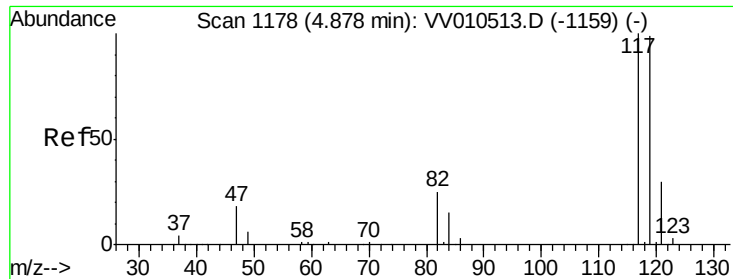
#30
 Cyclohexane
 Concen: 4.724 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Tgt Ion: 56 Resp: 102180
 Ion Ratio Lower Upper
 56 100
 69 33.9 27.1 40.7
 84 100.5 80.4 120.6



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: 5.497 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

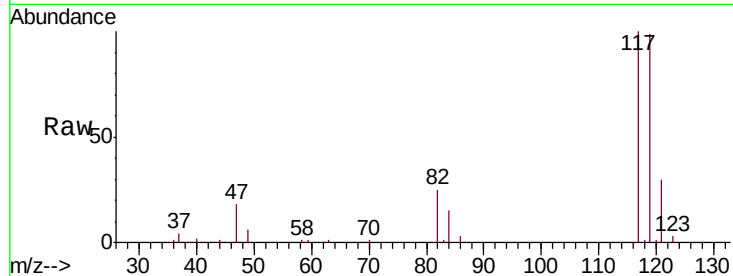
VSTD00536

Tgt Ion:117 Resp: 131615

Ion Ratio Lower Upper

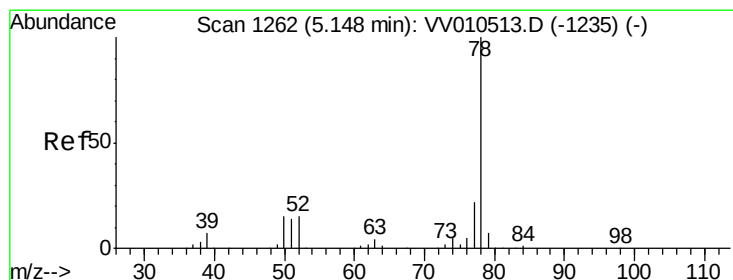
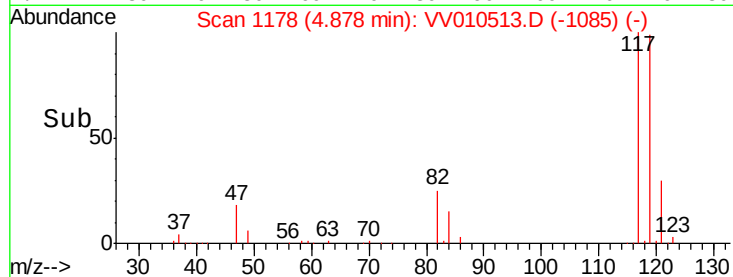
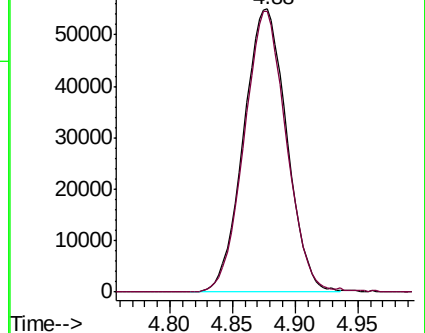
117 100

119 97.2 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.344 ug/L

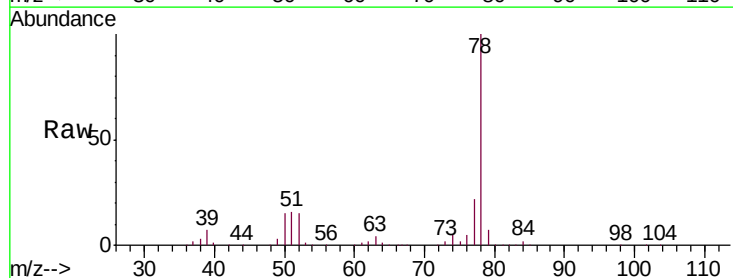
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

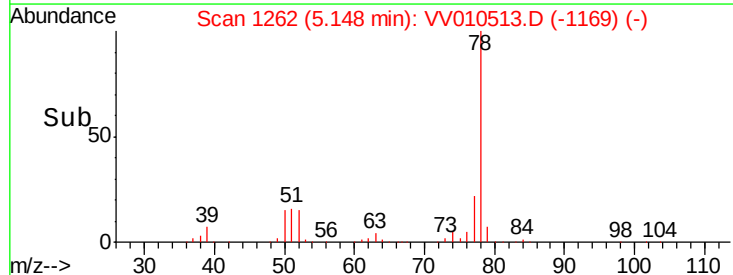
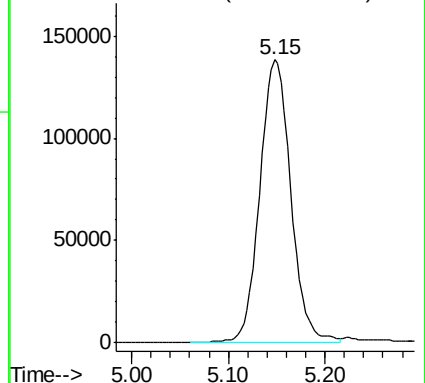
Lab File: VV010513.D

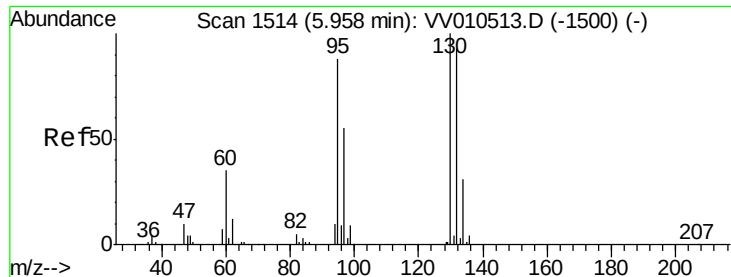
Acq: 26 Apr 2019 19:57

Tgt Ion: 78 Resp: 308958



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.252 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

Tgt Ion: 95 Resp: 87395

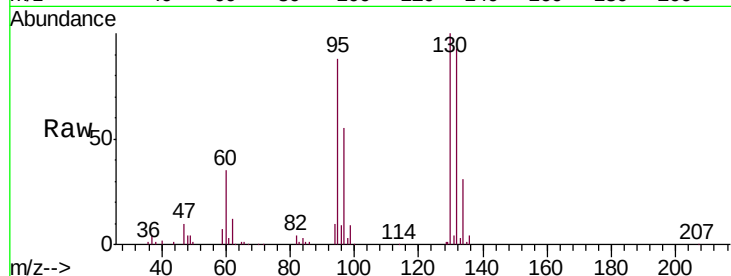
Ion Ratio Lower Upper

95 100

97 61.9 43.3 80.5

132 105.8 74.1 137.5

130 113.5 79.5 147.6



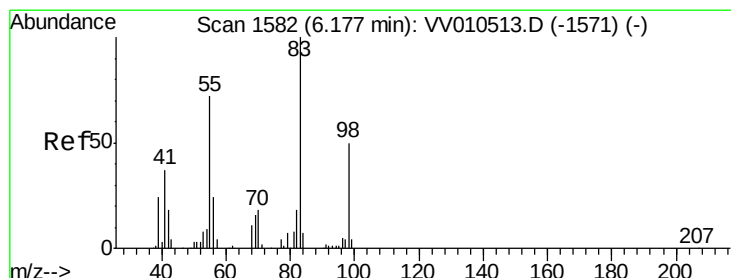
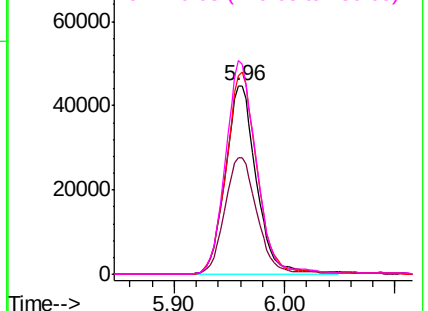
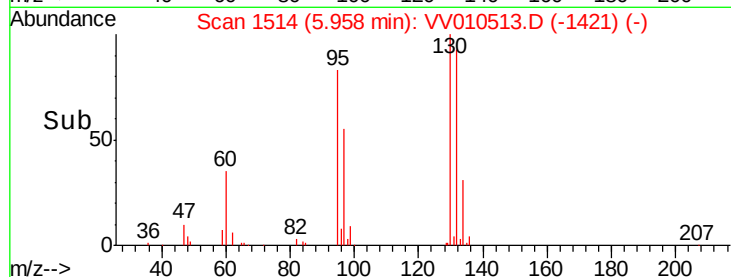
Abundance

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): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.671 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

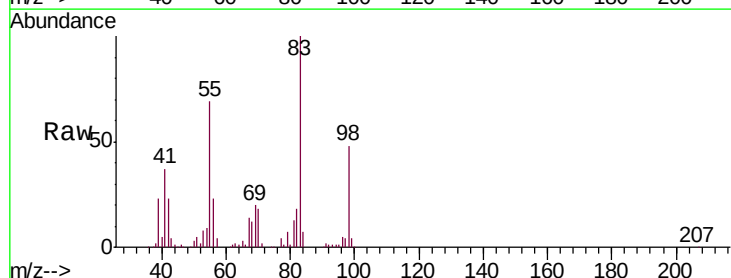
Tgt Ion: 83 Resp: 112236

Ion Ratio Lower Upper

83 100

55 72.5 58.0 87.0

98 50.5 40.4 60.6

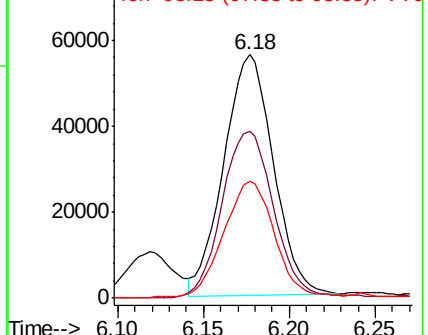
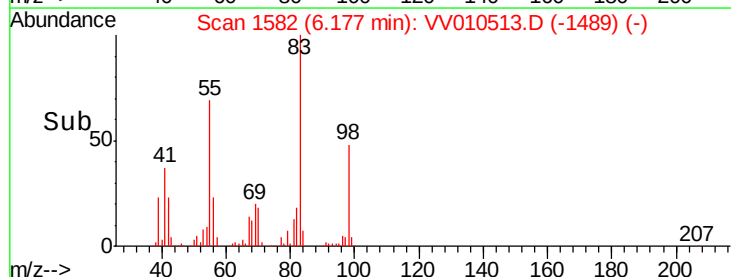


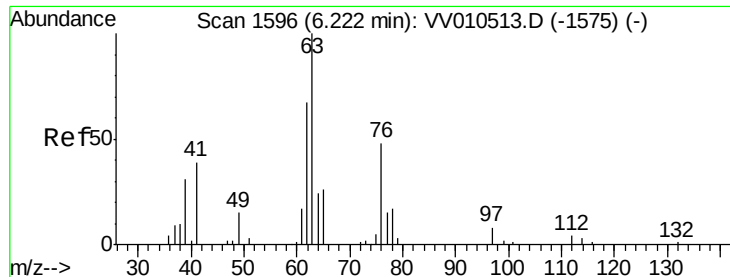
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

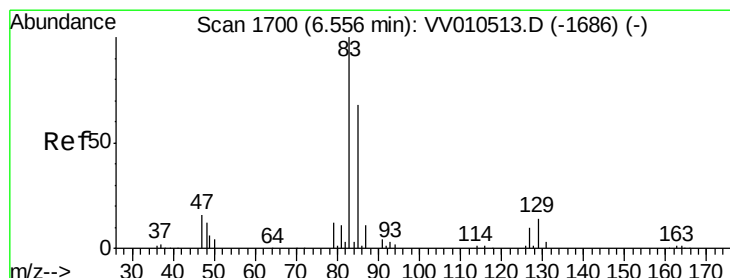
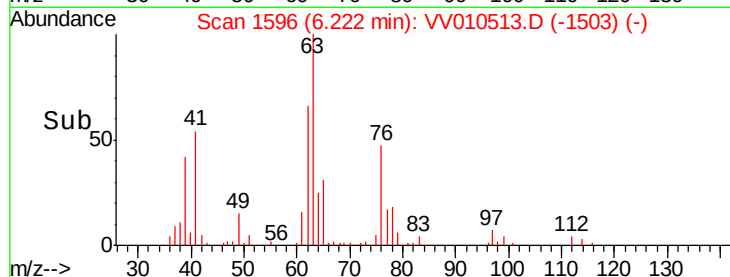
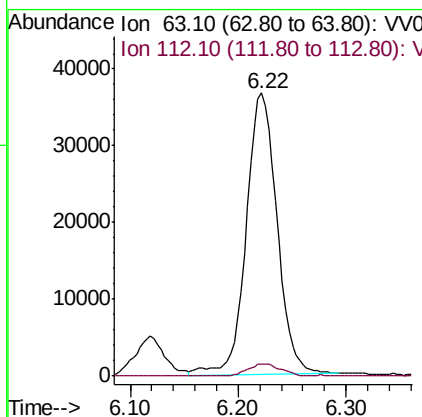
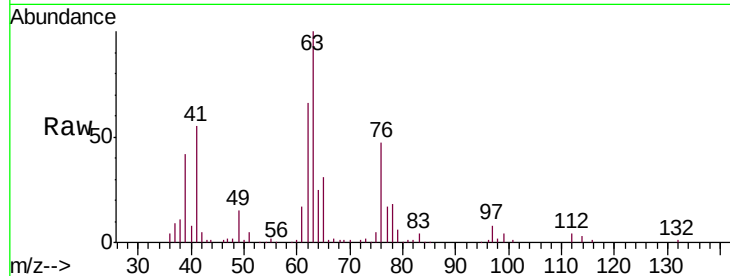




#37
 1,2-Dichloropropane
 Concen: 5.175 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

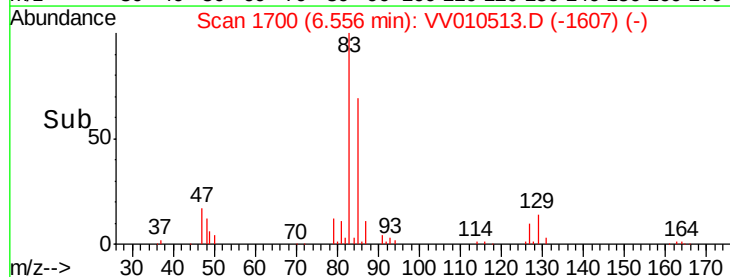
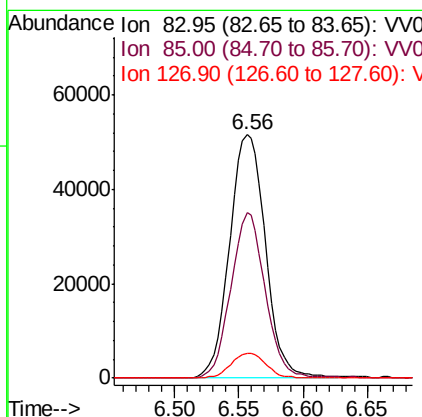
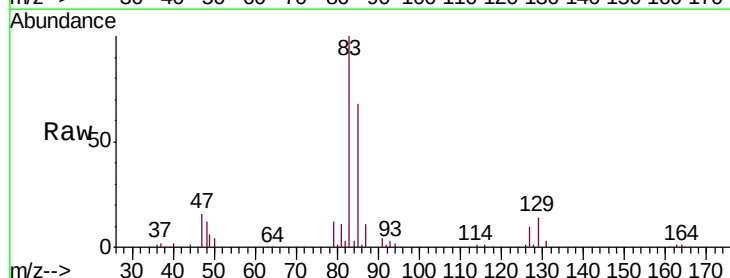
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

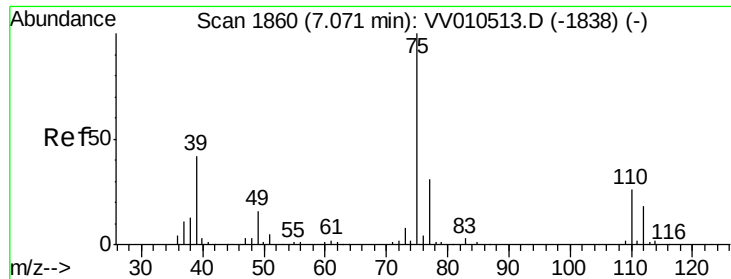
Tgt Ion: 63 Resp: 72830
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.255 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Tgt Ion: 83 Resp: 99074
 Ion Ratio Lower Upper
 83 100
 85 67.8 47.5 88.1
 127 10.3 8.2 12.4

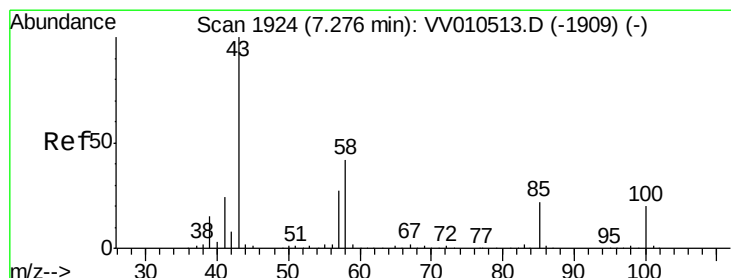
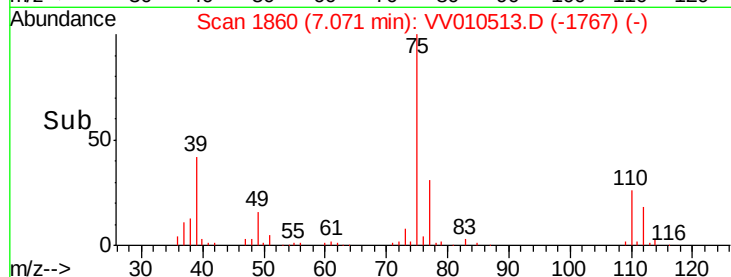
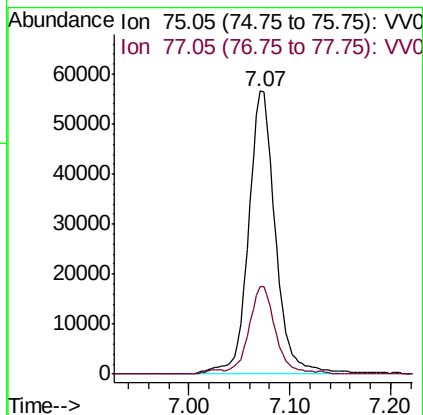
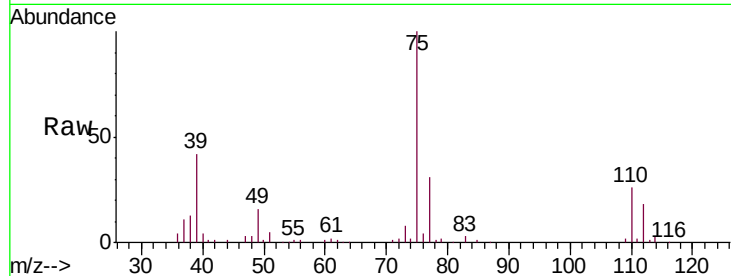




#39
 cis-1,3-Dichloropropene
 Concen: 5.056 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

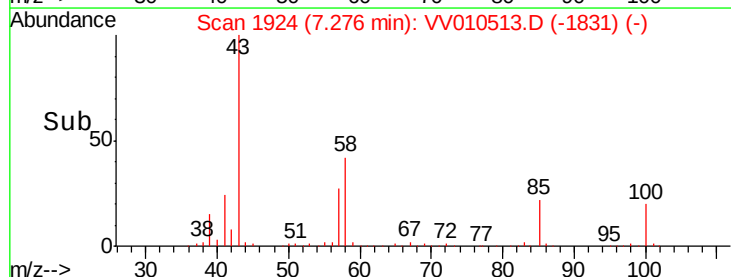
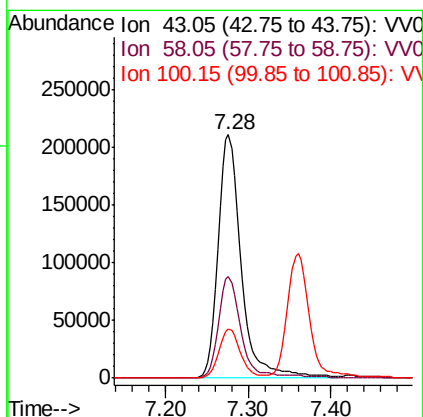
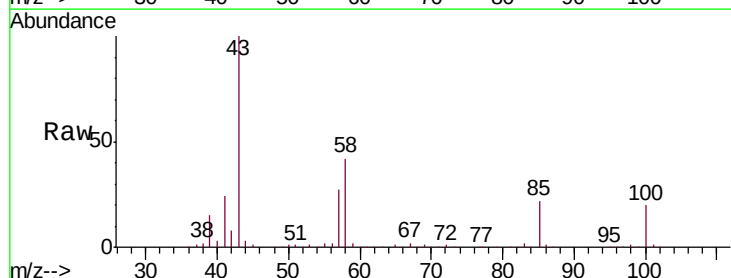
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

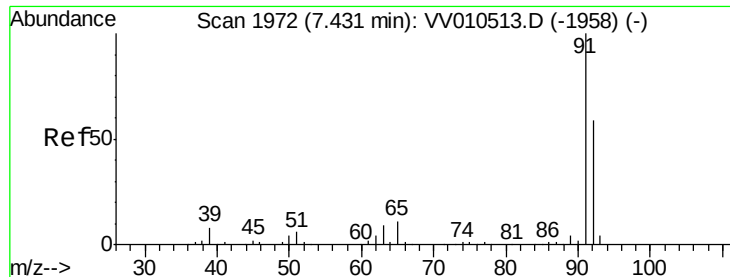
Tgt Ion: 75 Resp: 103770
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 51.590 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Tgt Ion: 43 Resp: 406685
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.9 47.9
 100 18.7 15.0 22.4





#42

Toluene

Concen: 5.336 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

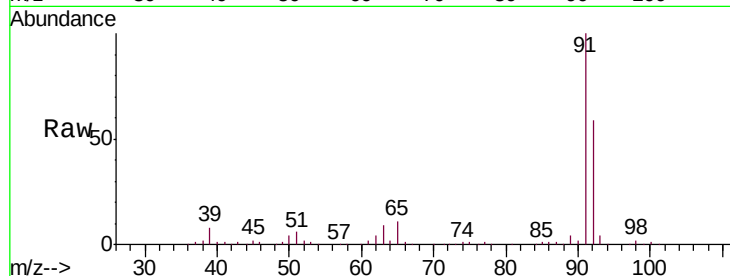
VSTD00536

Tgt Ion: 91 Resp: 351961

Ion Ratio Lower Upper

91 100

92 58.7 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

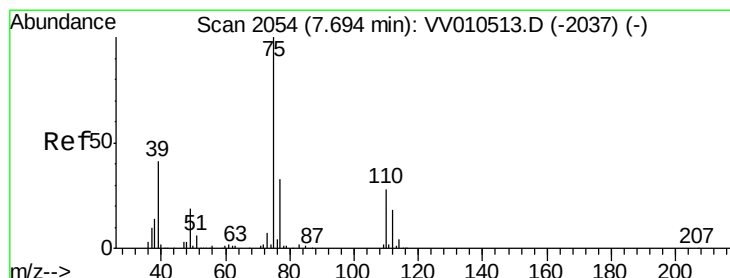
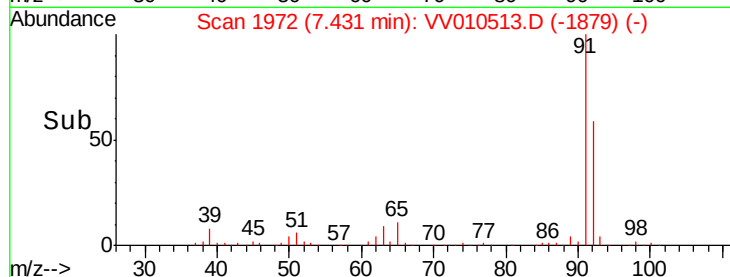
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.152 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010513.D

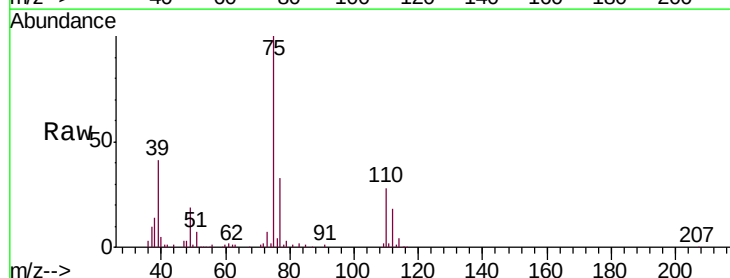
Acq: 26 Apr 2019 19:57

Tgt Ion: 75 Resp: 82085

Ion Ratio Lower Upper

75 100

77 32.8 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

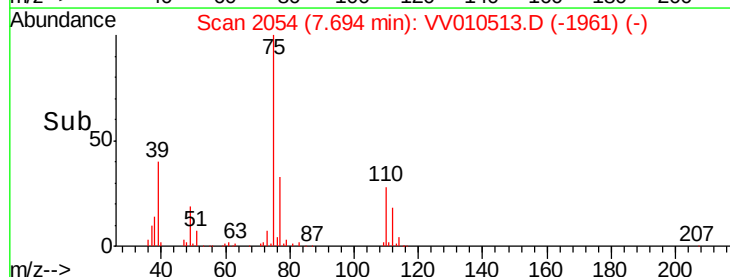
30000

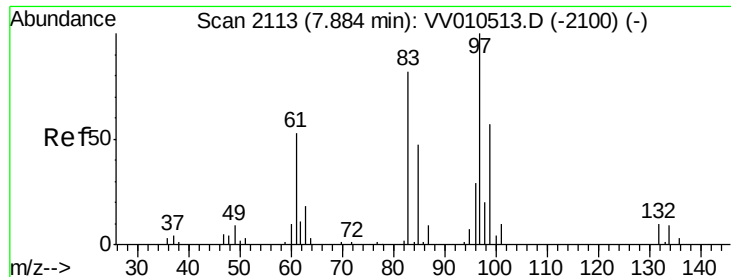
20000

10000

0

Time-->

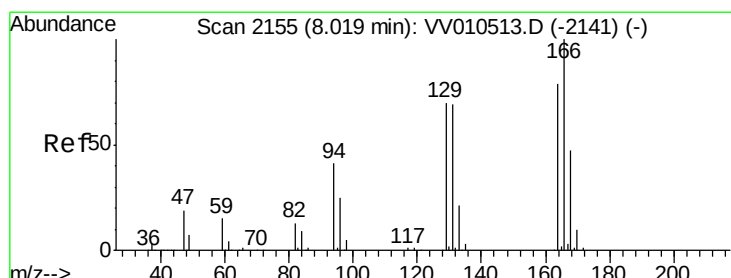
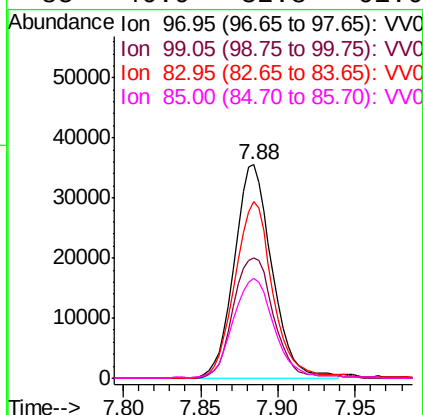
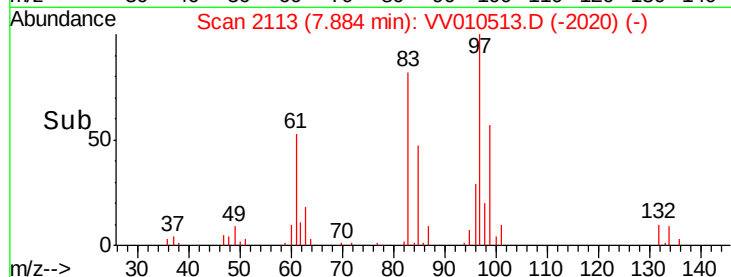
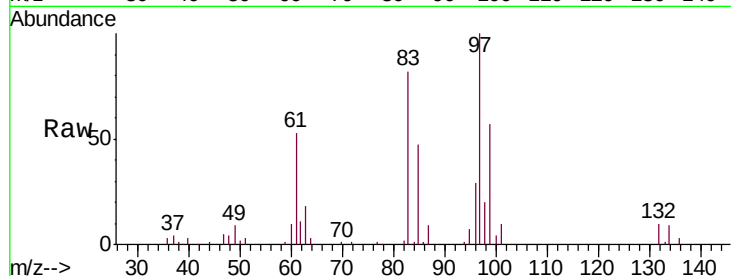




#45
 1,1,2-Trichloroethane
 Concen: 5.723 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

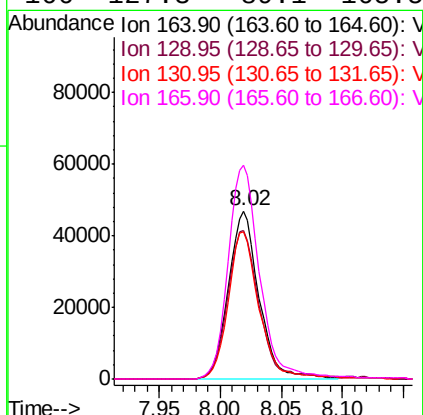
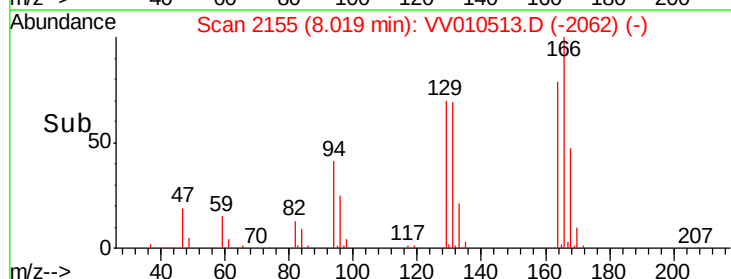
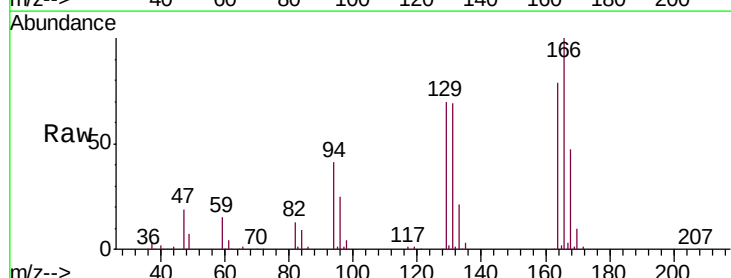
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

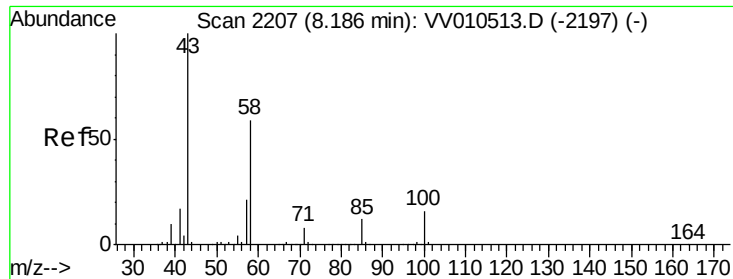
Tgt Ion: 97 Resp: 60171
 Ion Ratio Lower Upper
 97 100
 99 56.5 39.5 73.4
 83 82.5 57.7 107.3
 85 46.9 32.8 61.0



#47
 Tetrachloroethene
 Concen: 5.457 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Tgt Ion: 164 Resp: 82436
 Ion Ratio Lower Upper
 164 100
 129 88.8 62.2 115.4
 131 87.8 61.5 114.1
 166 127.3 89.1 165.5

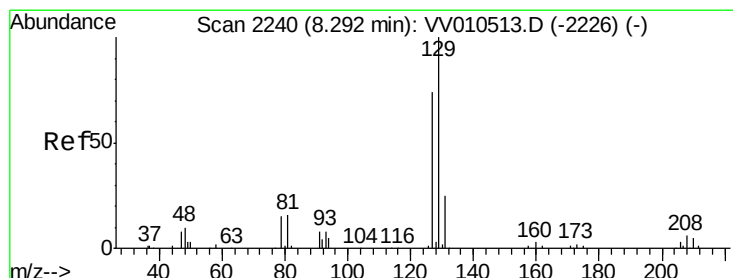
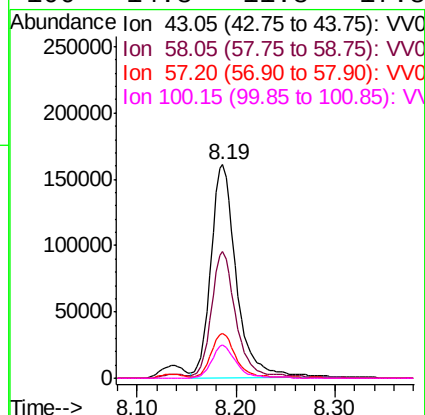
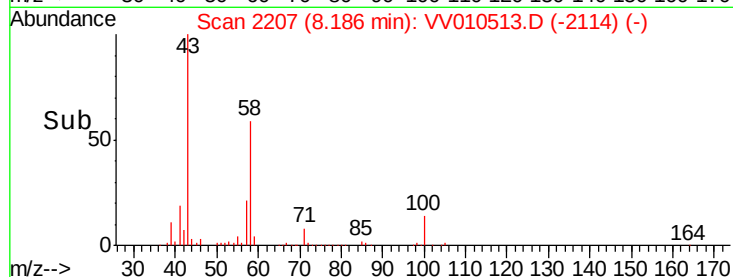
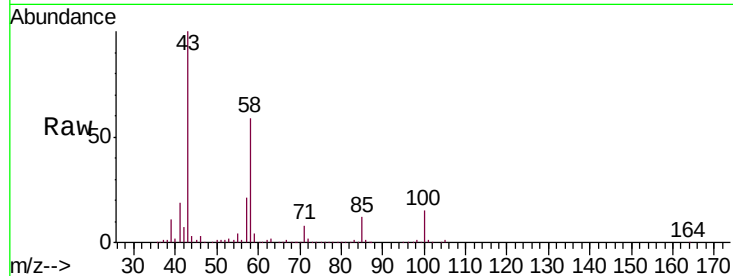




#48
2-Hexanone
Concen: 53.184 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010513.D
Acq: 26 Apr 2019 19:57

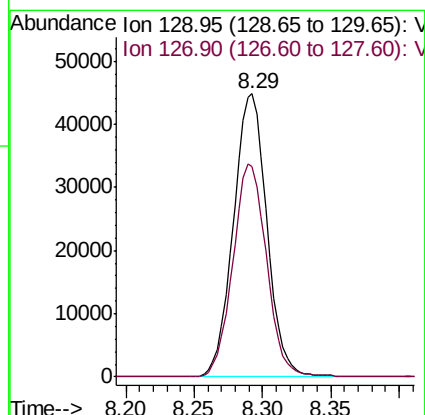
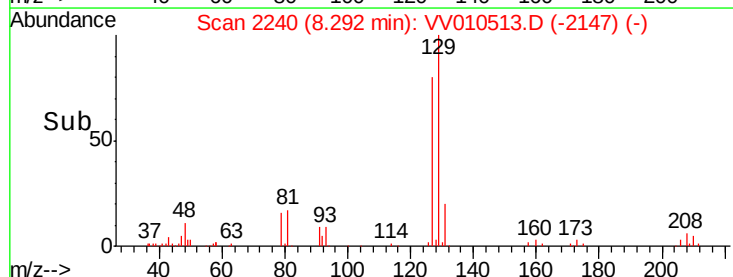
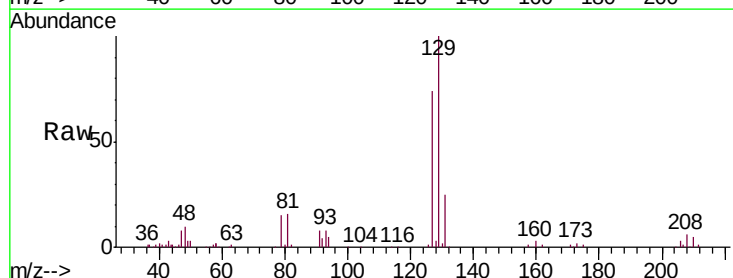
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

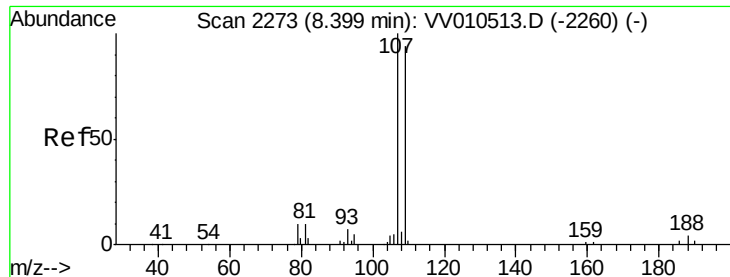
Tgt Ion: 43 Resp: 291699
Ion Ratio Lower Upper
43 100
58 53.9 43.1 64.7
57 20.4 16.3 24.5
100 14.8 11.8 17.8



#49
Dibromochloromethane
Concen: 5.656 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV010513.D
Acq: 26 Apr 2019 19:57

Tgt Ion: 129 Resp: 76444
Ion Ratio Lower Upper
129 100
127 74.2 51.9 96.5

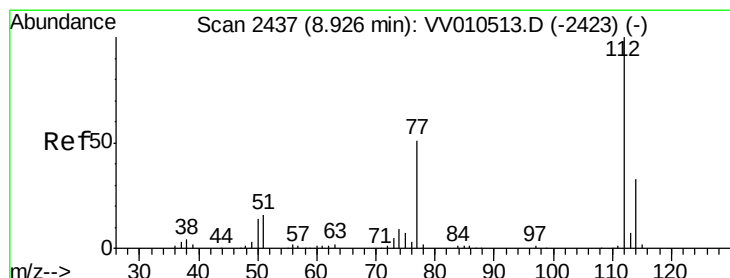
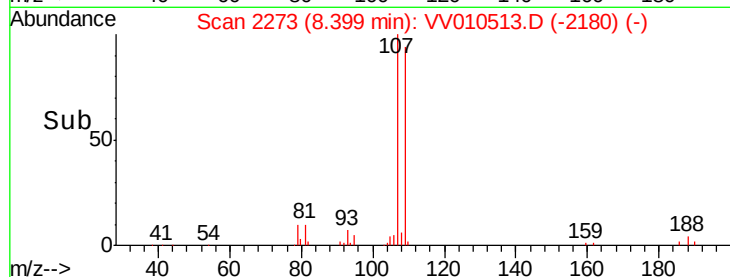
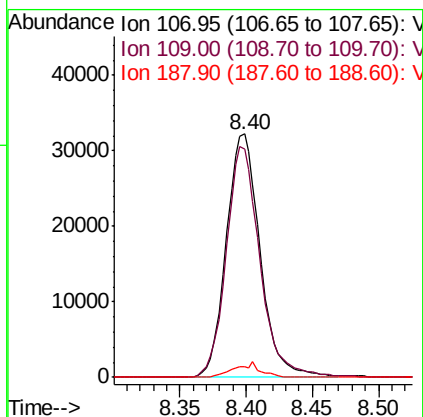
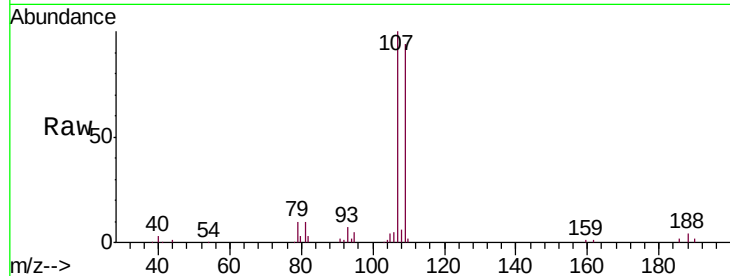




#50
 1,2-Dibromoethane
 Concen: 5.651 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

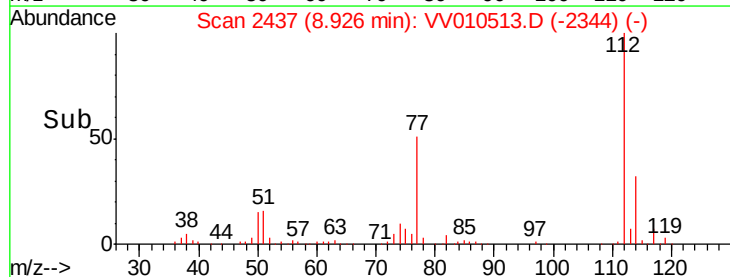
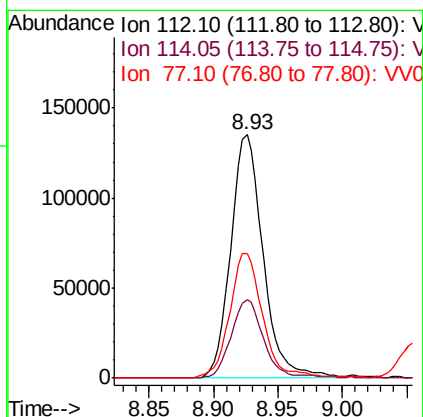
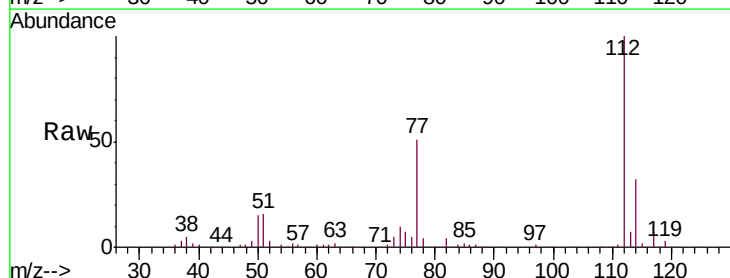
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

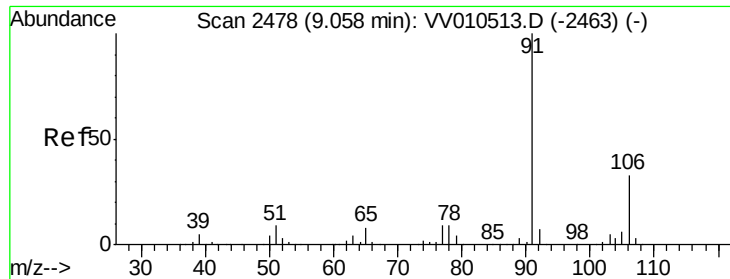
Tgt Ion:107 Resp: 57200
 Ion Ratio Lower Upper
 107 100
 109 93.5 65.5 121.6
 188 4.5 3.6 5.4



#51
 Chlorobenzene
 Concen: 5.261 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Tgt Ion:112 Resp: 236416
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.7 42.3
 77 51.3 41.0 61.6





#52

Ethylbenzene

Concen: 5.057 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

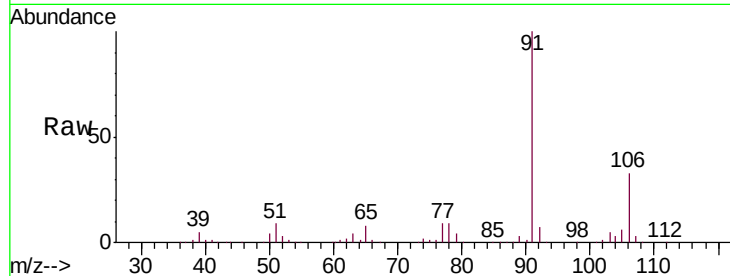
VSTD00536

Tgt Ion: 91 Resp: 364975

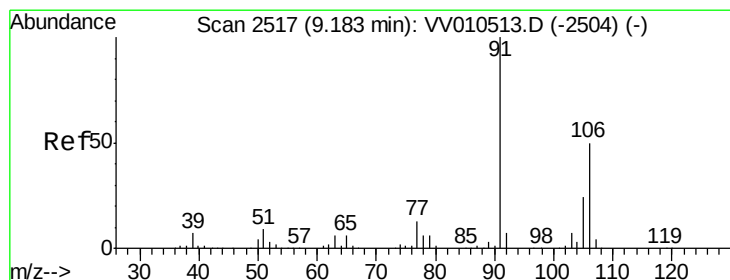
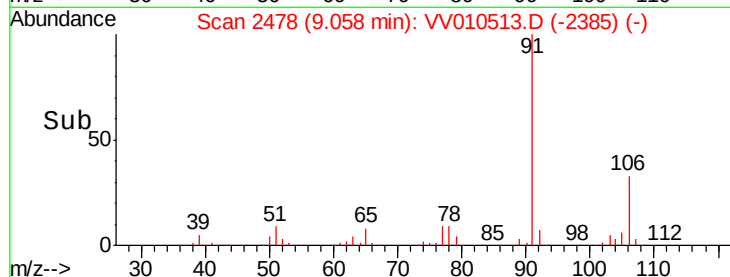
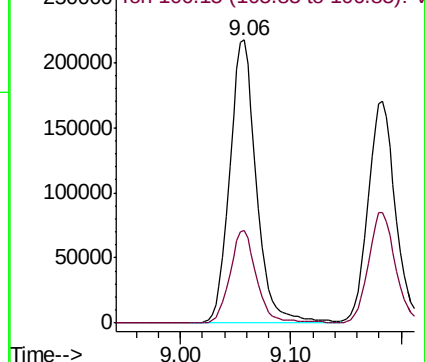
Ion Ratio Lower Upper

91 100

106 32.8 23.0 42.6



Abundance Ion 91.15 (90.85 to 91.85): VV010513.D (-2463) (-)



#53

m,p-xylene

Concen: 5.085 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010513.D

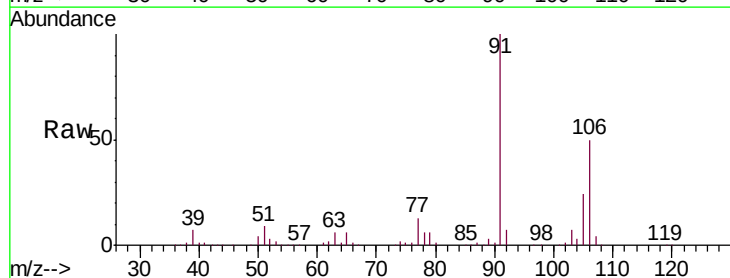
Acq: 26 Apr 2019 19:57

Tgt Ion: 106 Resp: 143395

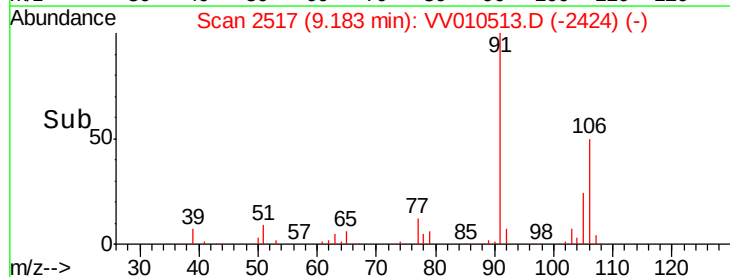
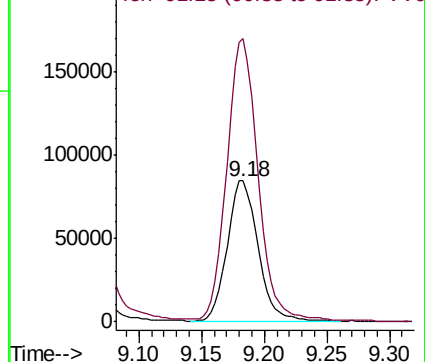
Ion Ratio Lower Upper

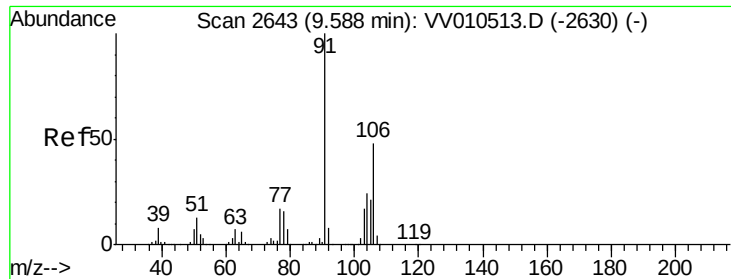
106 100

91 200.7 140.5 260.9



Abundance Ion 106.15 (105.85 to 106.85): VV010513.D (-2504) (-)





#54

o-xylene

Concen: 5.117 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

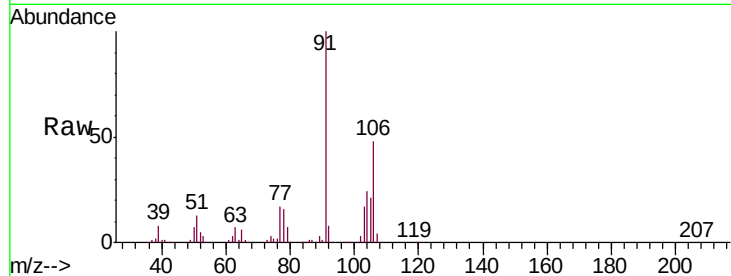
VSTD00536

Tgt Ion:106 Resp: 143078

Ion Ratio Lower Upper

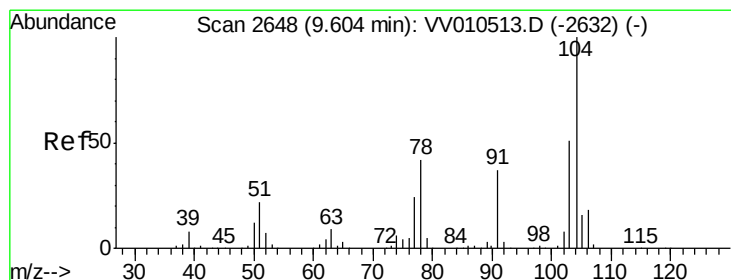
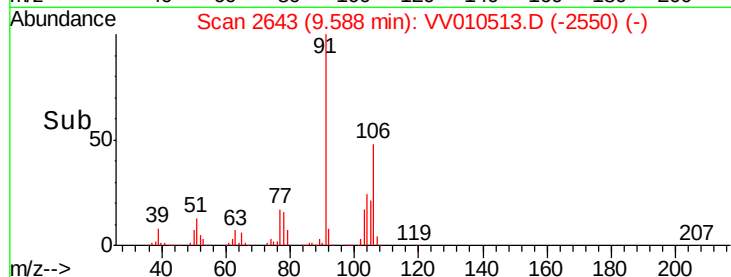
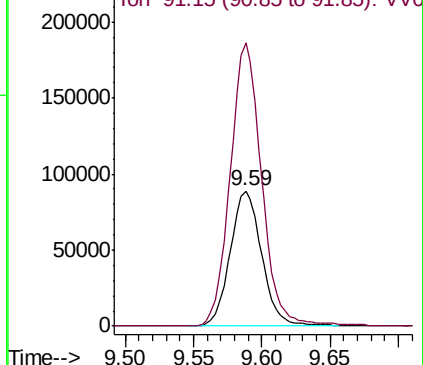
106 100

91 209.2 146.4 272.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.369 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010513.D

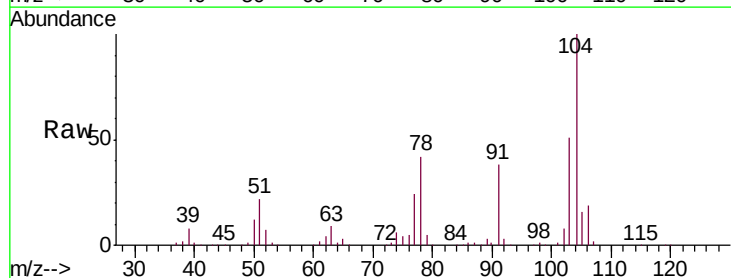
Acq: 26 Apr 2019 19:57

Tgt Ion:104 Resp: 244993

Ion Ratio Lower Upper

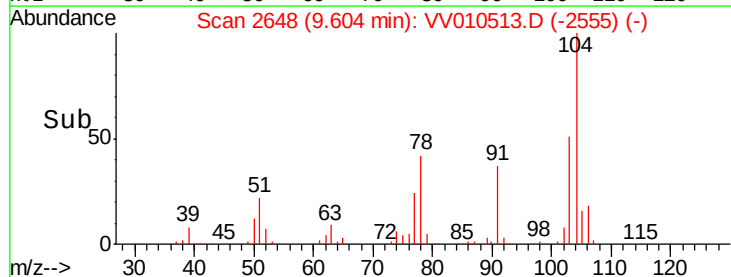
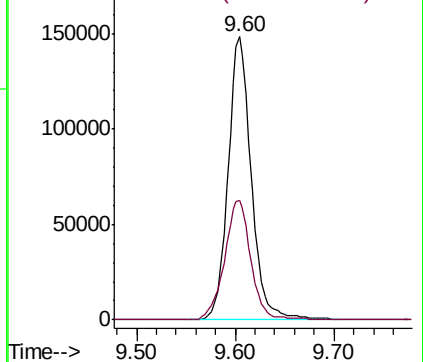
104 100

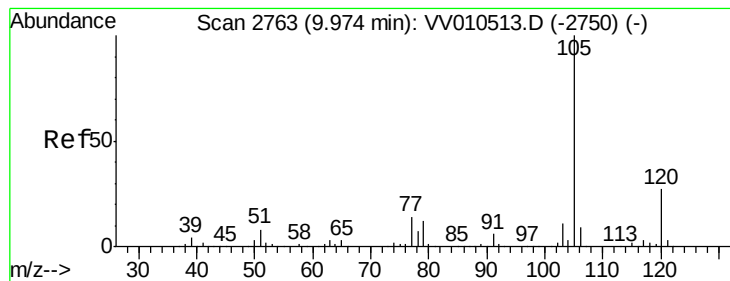
78 42.2 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.074 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

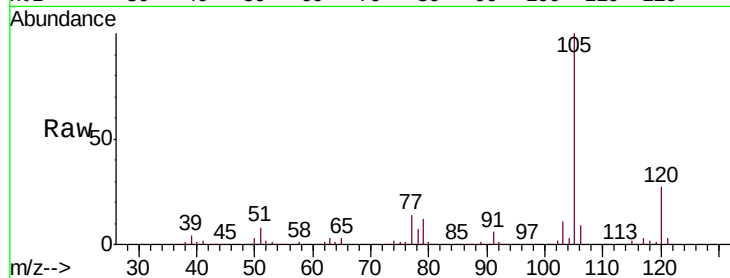
Tgt Ion: 105 Resp: 374287

Ion Ratio Lower Upper

105 100

120 27.4 21.9 32.9

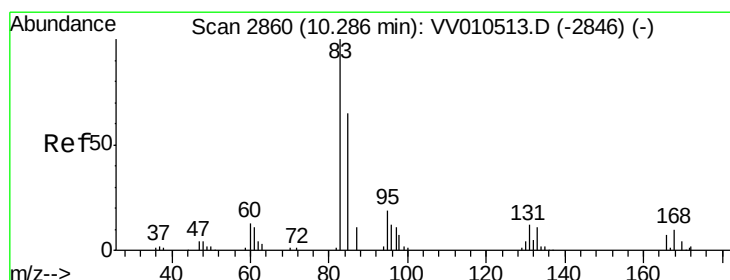
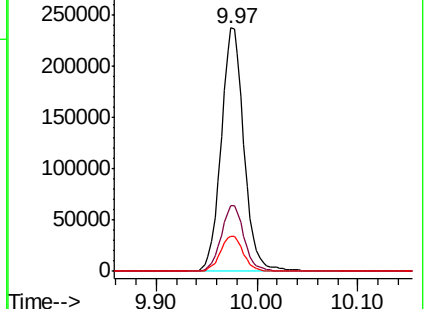
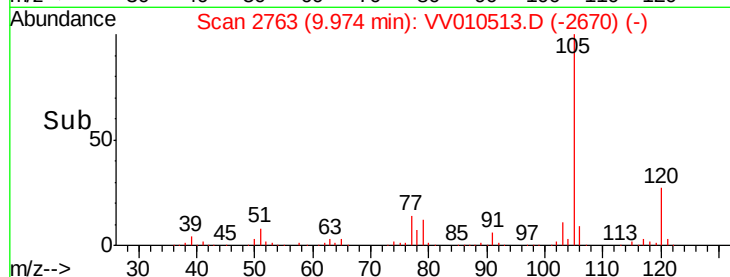
77 14.5 11.6 17.4



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: 5.690 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

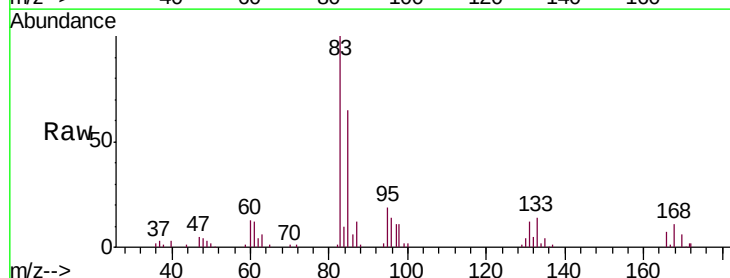
Tgt Ion: 83 Resp: 68593

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

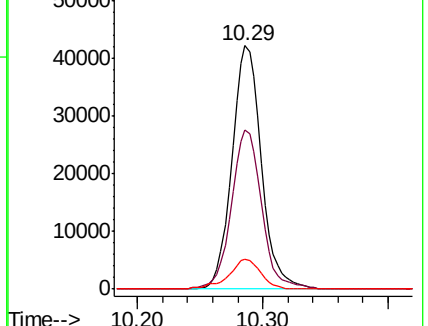
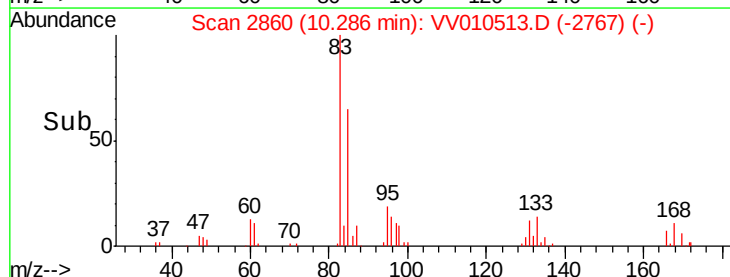
131 12.3 9.8 14.8

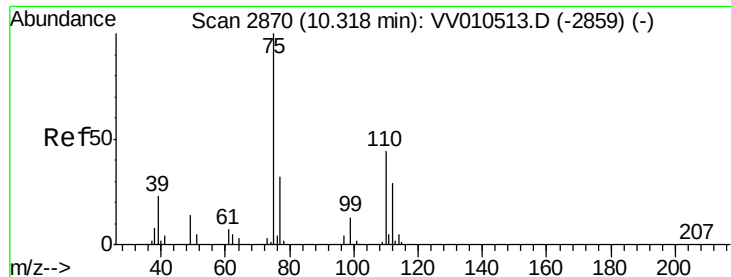


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.404 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

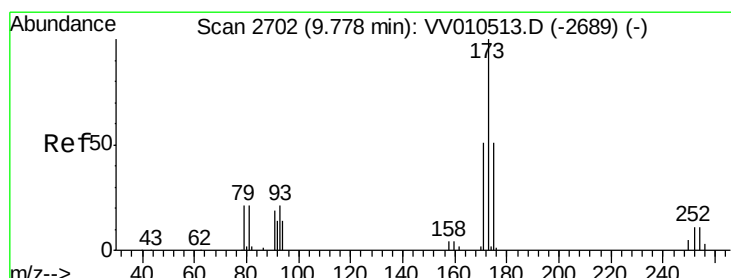
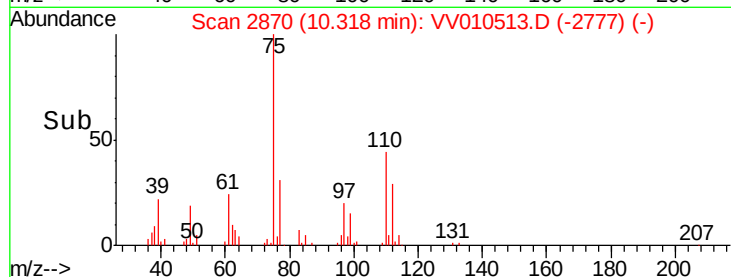
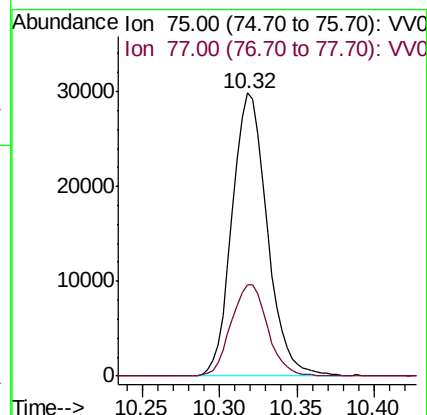
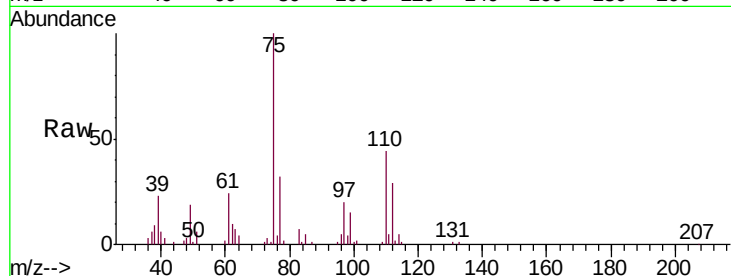
VSTD00536

Tgt Ion: 75 Resp: 47000

Ion Ratio Lower Upper

75 100

77 33.6 26.9 40.3



#61

Bromoform

Concen: 5.574 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

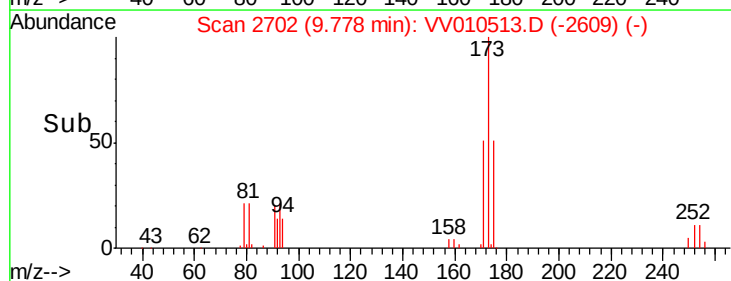
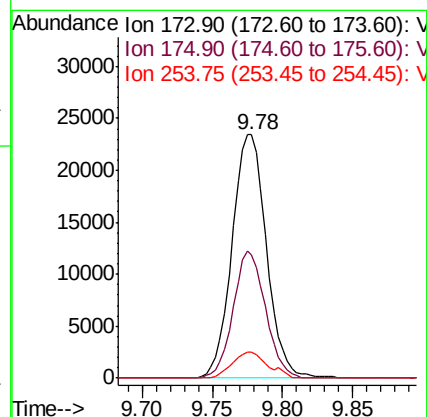
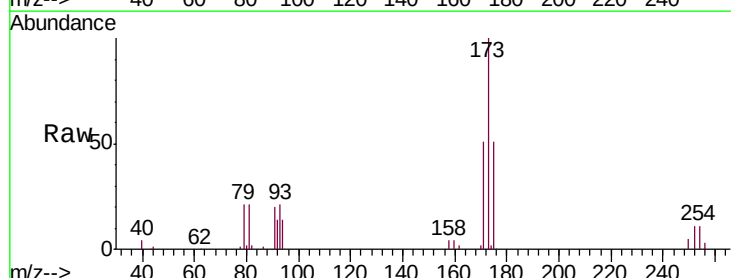
Tgt Ion: 173 Resp: 39938

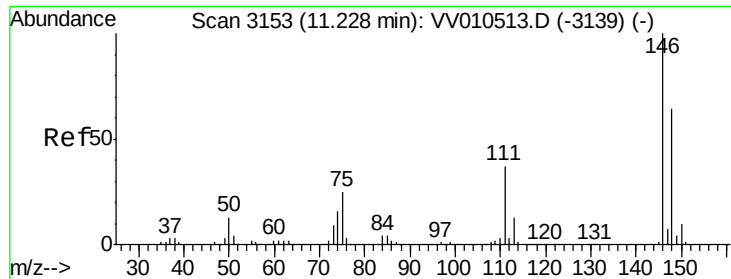
Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

254 11.0 8.8 13.2

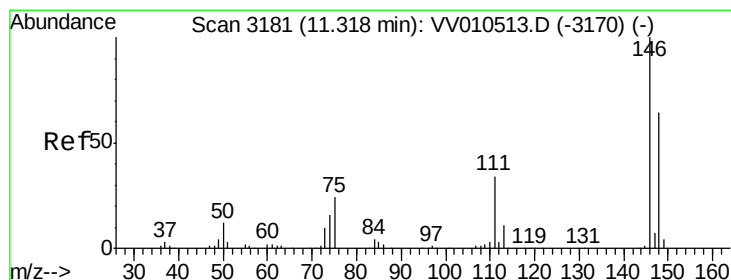
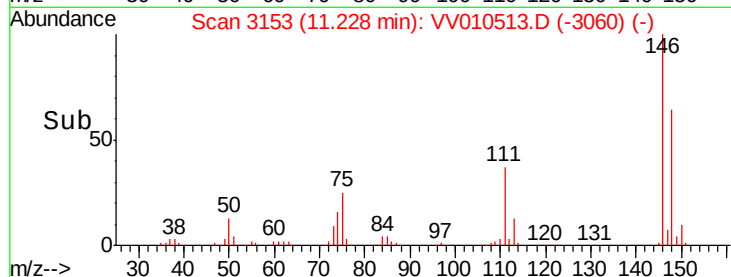
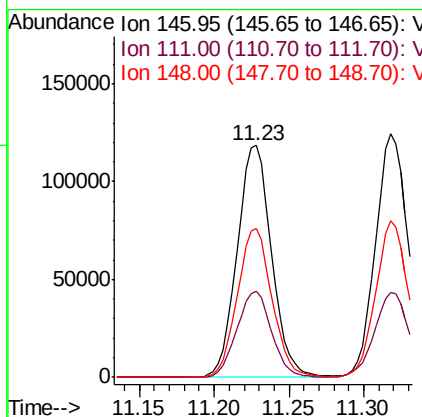
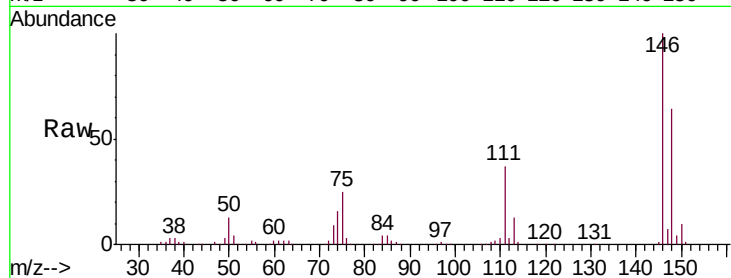




#62
 1,3-Dichlorobenzene
 Concen: 5.181 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

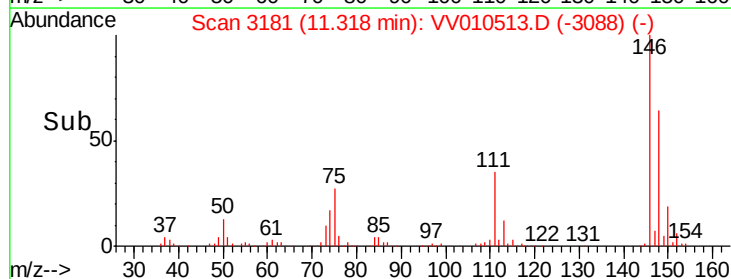
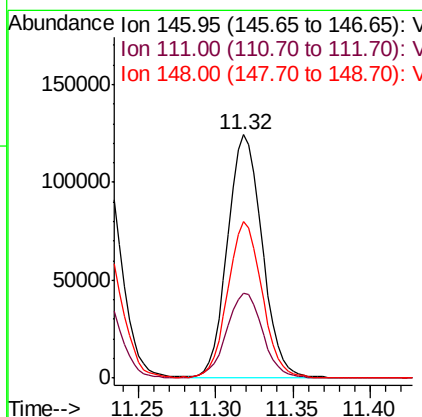
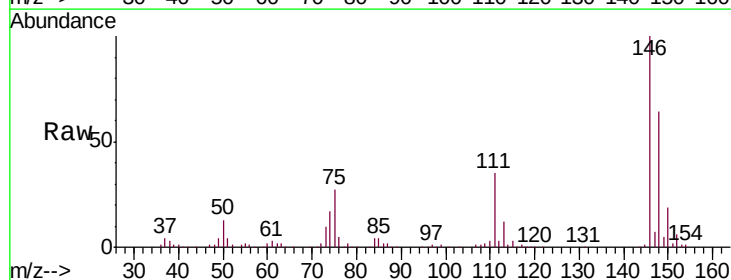
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

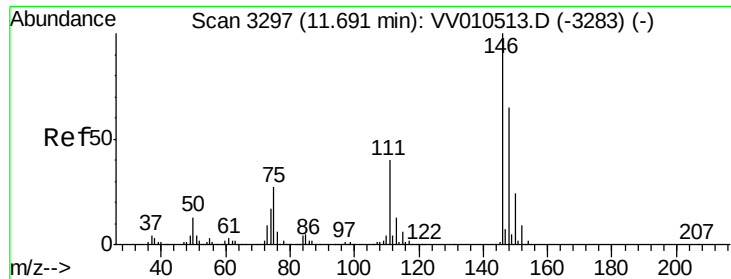
Tgt Ion:146 Resp: 190029
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.0 48.4
 148 64.2 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 5.204 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Tgt Ion:146 Resp: 192965
 Ion Ratio Lower Upper
 146 100
 111 34.7 24.3 45.1
 148 64.1 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 5.353 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

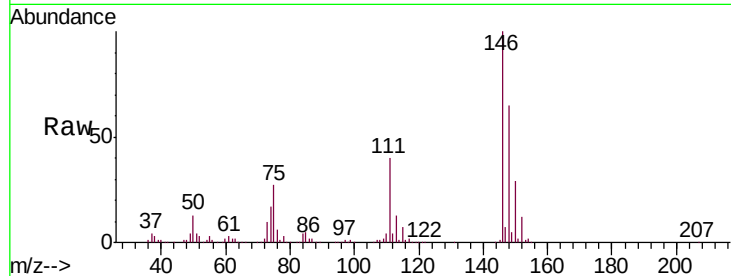
Tgt Ion:146 Resp: 188108

Ion Ratio Lower Upper

146 100

111 39.8 31.8 47.8

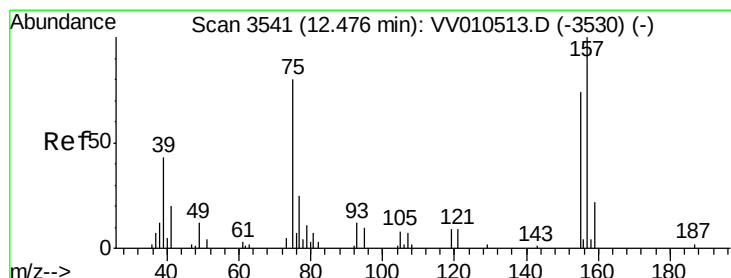
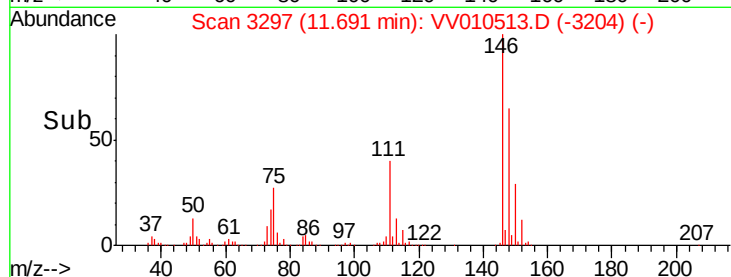
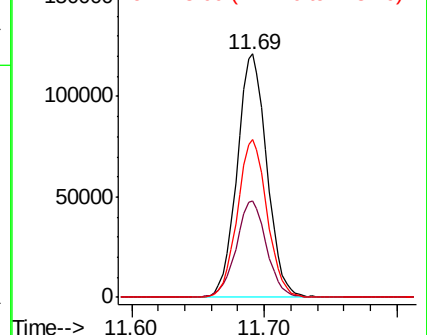
148 64.9 51.9 77.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.382 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

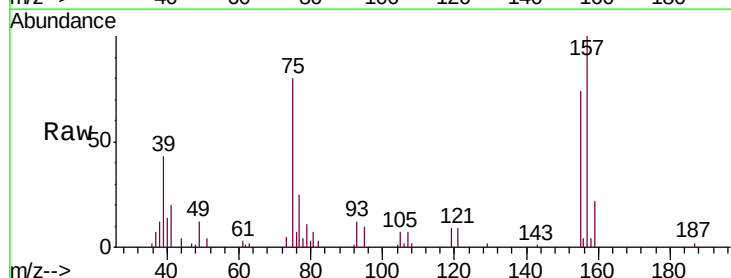
Tgt Ion: 75 Resp: 10529

Ion Ratio Lower Upper

75 100

155 91.7 73.4 110.0

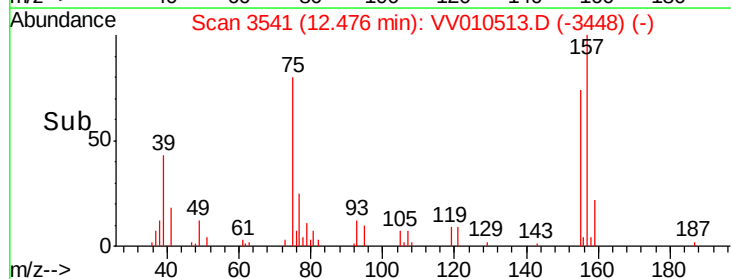
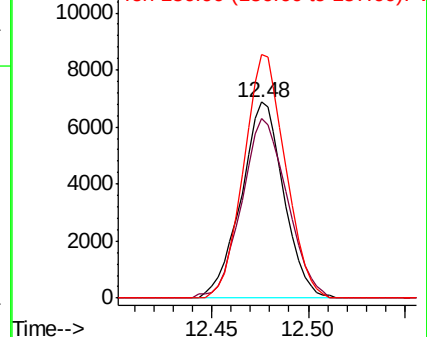
157 124.3 99.4 149.2

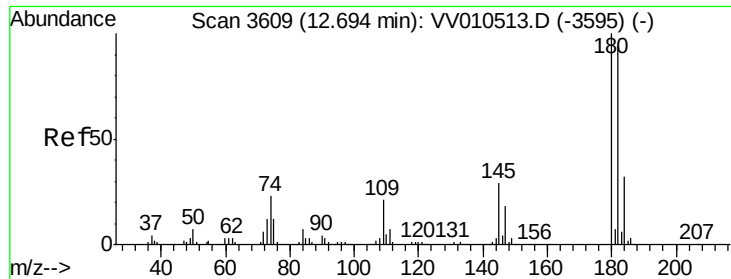


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

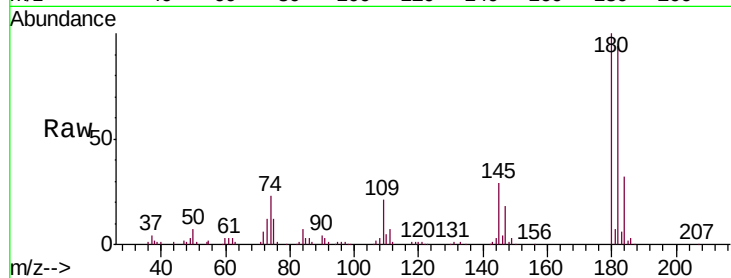




#67
 1,3,5-Trichlorobenzene
 Concen: 5.262 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.4	113.0
184	30.7	24.6	36.8
145	29.0	23.2	34.8



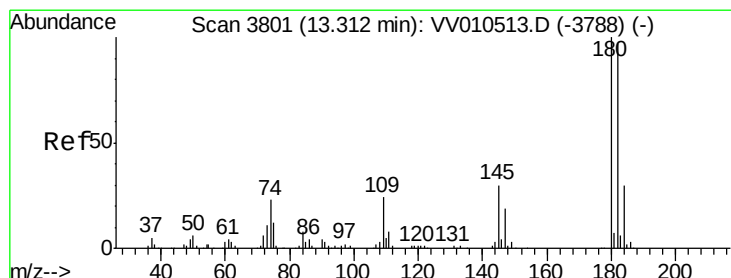
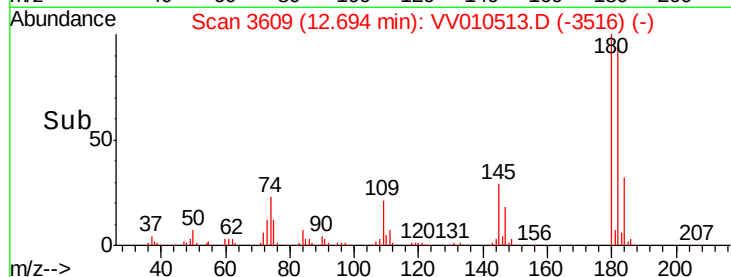
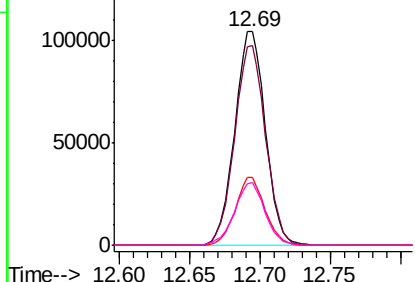
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

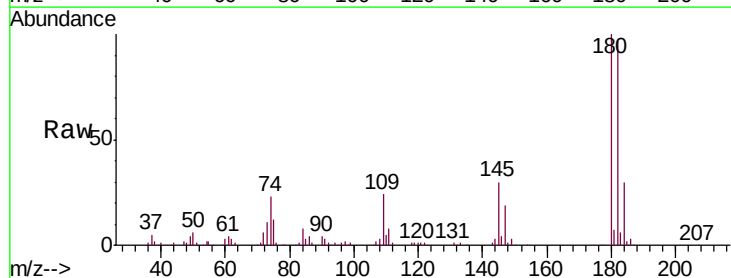
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.307 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010513.D
 Acq: 26 Apr 2019 19:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.1	115.7
145	31.3	25.0	37.6

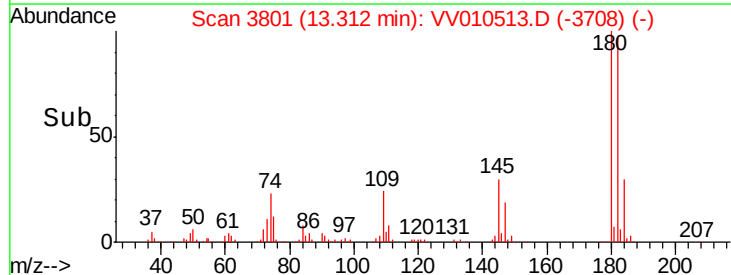
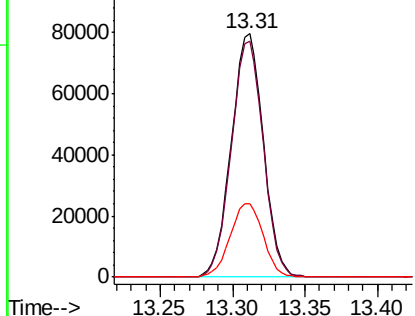


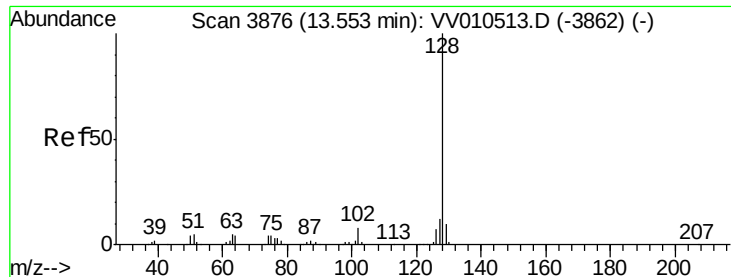
Abundance

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: 5.314 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

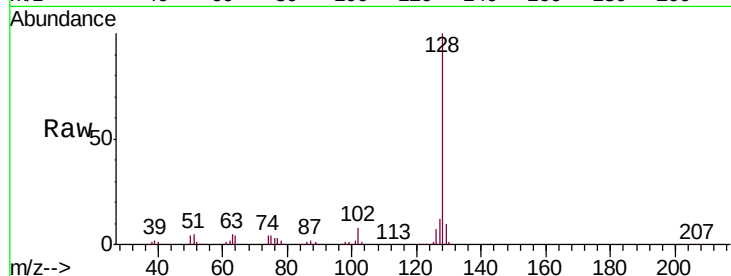
Tgt Ion:128 Resp: 183187

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

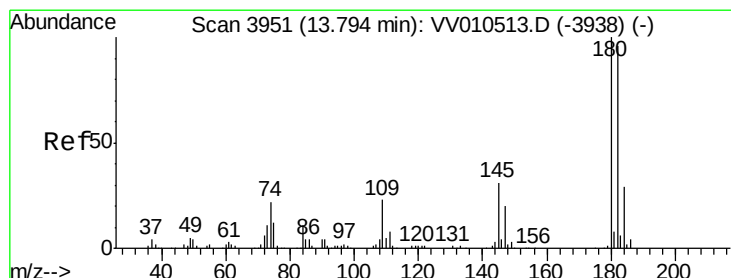
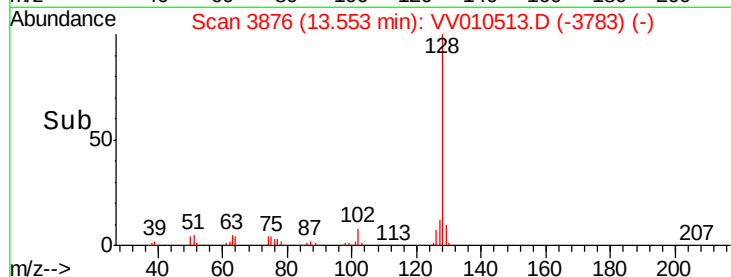
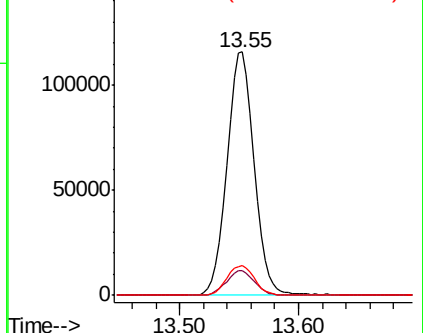
127 12.5 10.0 15.0



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: 5.589 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010513.D

Acq: 26 Apr 2019 19:57

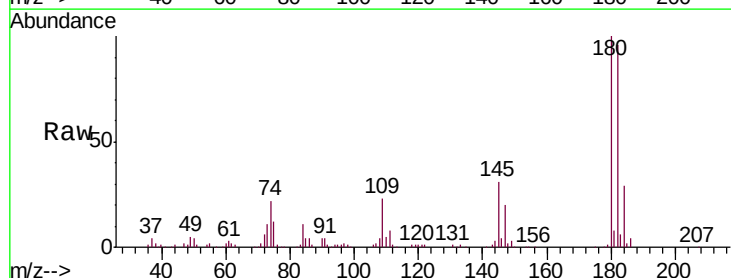
Tgt Ion:180 Resp: 123961

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 31.0 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

