

Data File : VV006613.D
Acq On : 17 Jul 2018 12:10
Operator : SY/MD
Sample : VSTD0.575
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.575

Quant Time: Jul 17 13:43:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 17 13:43:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	247392	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	227166	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	101274	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	13414	1.00	ug/L	0.00
7) Chloroethane-d5	1.58	69	9727	0.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	21734	0.87	ug/L	0.00
20) 2-Butanone-d5	3.96	46	18359	5.37	ug/L	0.00
24) Chloroform-d	4.41	84	20320	0.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	9935	0.81	ug/L	0.00
32) Benzene-d6	5.10	84	42547	0.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	13497	0.80	ug/L	0.00
41) Toluene-d8	7.37	98	37366	0.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4271	0.75	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	21362	7.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	9937	0.75	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	13236	0.76	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8896	0.459 ug/L	# 81
3) Chloromethane	1.27	50	13064	0.551 ug/L	100
5) Vinyl chloride	1.32	62	14541	0.660 ug/L	95
6) Bromomethane	1.53	94	6379	0.625 ug/L	93
8) Chloroethane	1.60	64	9146	0.684 ug/L	99
9) Trichlorofluoromethane	1.77	101	16395	0.662 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9695	0.633 ug/L	99
12) 1,1-Dichloroethene	2.14	96	9923	0.641 ug/L	# 76
13) Acetone	2.20	43	17878	8.274 ug/L	98
14) Carbon disulfide	2.32	76	29585	0.639 ug/L	98
15) Methyl Acetate	2.47	43	6409	1.008 ug/L	99
16) Methylene chloride	2.54	84	15438	0.884 ug/L	92
17) Methyl tert-butyl Ether	2.82	73	25183	0.686 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	10744	0.636 ug/L	98
19) 1,1-Dichloroethane	3.23	63	19723	0.673 ug/L	97
21) 2-Butanone	4.05	43	28749	8.109 ug/L	96
22) cis-1,2-Dichloroethene	3.97	96	10825	0.596 ug/L	99
23) Bromochloromethane	4.31	128	4303	0.579 ug/L	94
25) Chloroform	4.44	83	18500	0.634 ug/L	98
27) 1,2-Dichloroethane	5.19	62	10839	0.654 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	14147	0.594 ug/L	97
30) Cyclohexane	4.73	56	15908	0.628 ug/L	95
31) Carbon tetrachloride	4.88	117	11726	0.589 ug/L	95
33) Benzene	5.15	78	40987	0.605 ug/L	100
34) Trichloroethene	5.96	95	10314	0.593 ug/L	96
35) Methylcyclohexane	6.18	83	15423	0.551 ug/L	98
37) 1,2-Dichloropropane	6.23	63	10569	0.637 ug/L	100
38) Bromodichloromethane	6.57	83	11334	0.606 ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	12528	0.563 ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	56613	6.735 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	40419	0.573	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	9057	0.527	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	7307	0.630	ug/L	99
47) Tetrachloroethene	8.03	164	8248	0.577	ug/L	93
48) 2-Hexanone	8.20	43	39575	6.640	ug/L	95
49) Dibromochloromethane	8.30	129	6634	0.548	ug/L	96
50) 1,2-Dibromoethane	8.40	107	6316	0.598	ug/L	93
51) Chlorobenzene	8.93	112	27597	0.598	ug/L	98
52) Ethylbenzene	9.06	91	42304	0.565	ug/L	99
53) m,p-xylene	9.19	106	15998	0.554	ug/L	93
54) o-xylene	9.59	106	15211	0.538	ug/L	95
55) Styrene	9.61	104	24925	0.525	ug/L	98
56) Isopropylbenzene	9.98	105	38696	0.534	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.30	83	8683	0.634	ug/L	91
59) 1,2,3-Trichloropropane	10.33	75	6291	0.638	ug/L	93
61) Bromoform	9.78	173	3421	0.590	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	18915	0.592	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	19670	0.606	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	18618	0.603	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	1194	0.724	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	13888	0.549	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	11351	0.564	ug/L	98
69) Naphthalene	13.56	128	19807	0.579	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	10759	0.570	ug/L	99

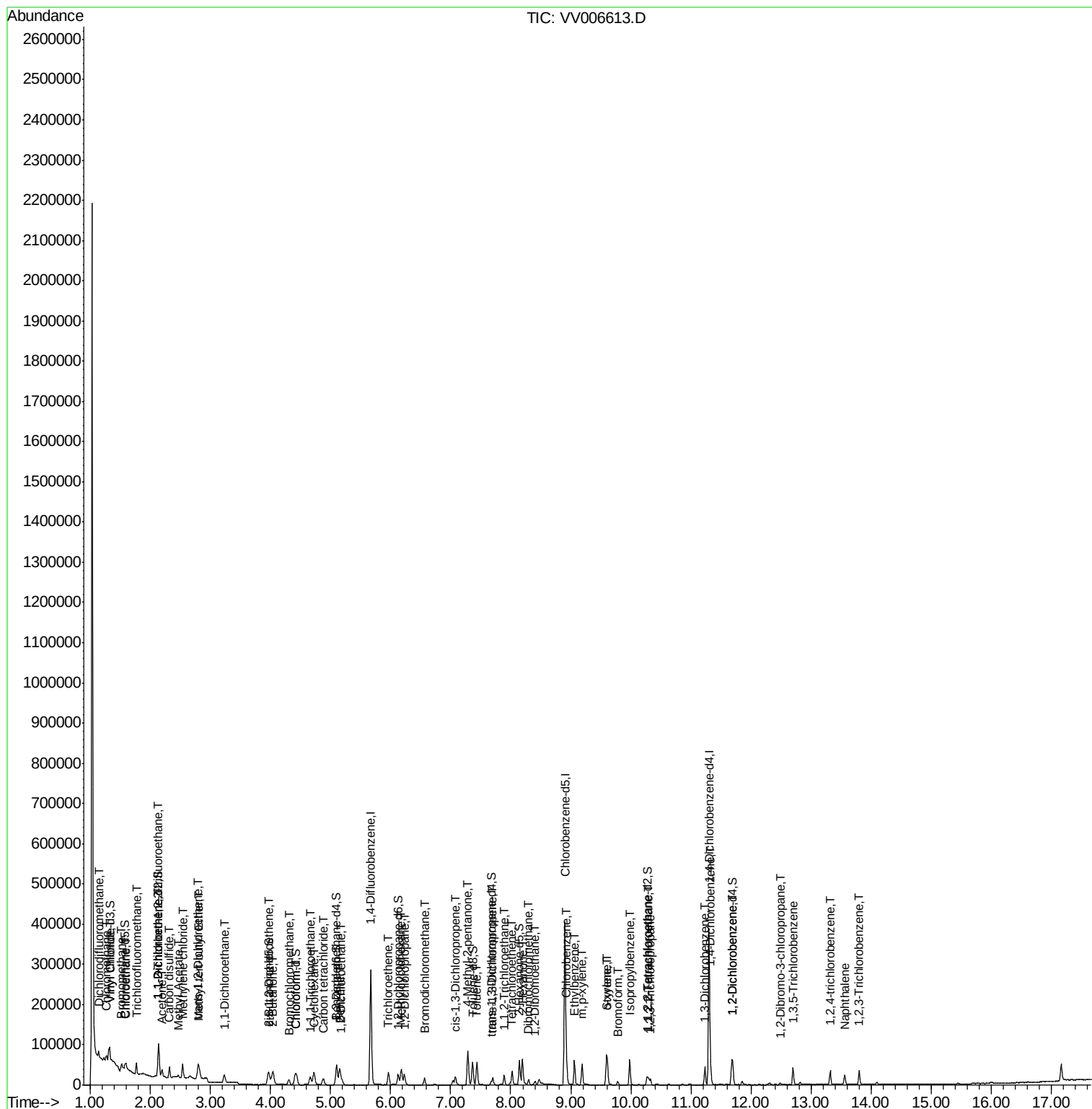
(#) = qualifier out of range (m) = manual integration (+) = signals summed

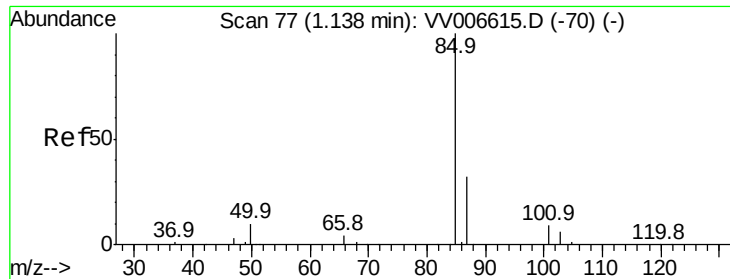
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#2

Dichlorodifluoromethane

Concen: 0.459 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

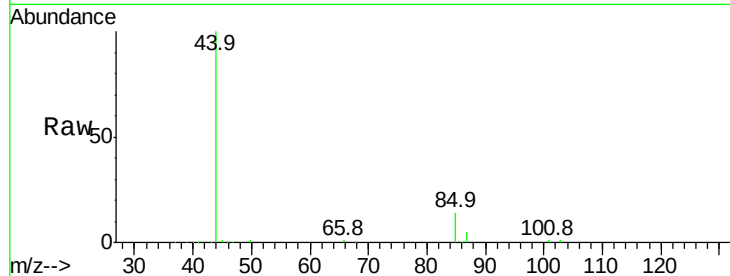
VSTD0.575

Tgt Ion: 85 Resp: 8896

Ion Ratio Lower Upper

85 100

87 32.2 18.3 27.5#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

10000

8000

6000

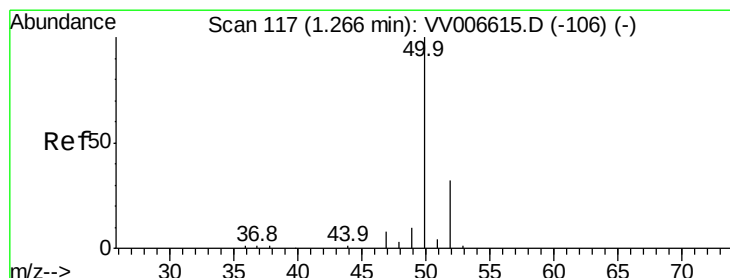
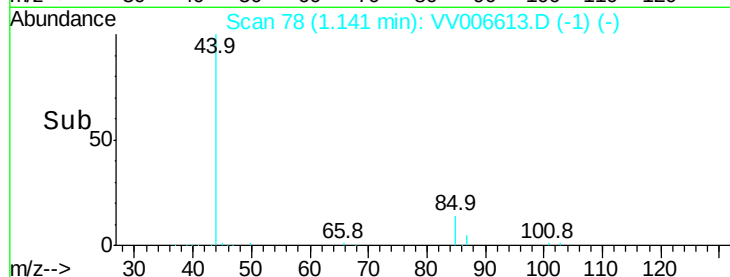
4000

2000

0

1.10 1.12 1.14 1.16

Time-->



#3

Chloromethane

Concen: 0.551 ug/L

RT: 1.27 min Scan# 118

Delta R.T. 0.00 min

Lab File: VV006613.D

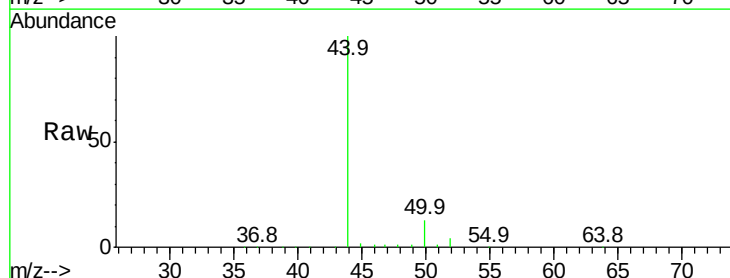
Acq: 17 Jul 2018 12:10

Tgt Ion: 50 Resp: 13064

Ion Ratio Lower Upper

50 100

52 32.5 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

8000

6000

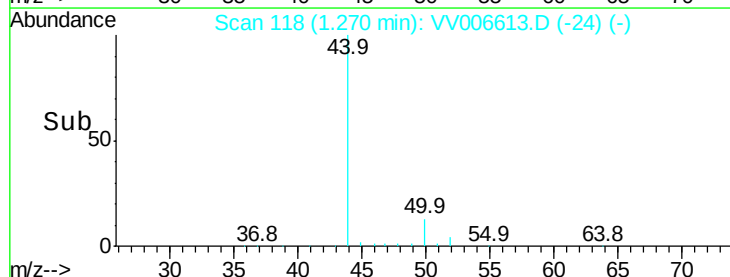
4000

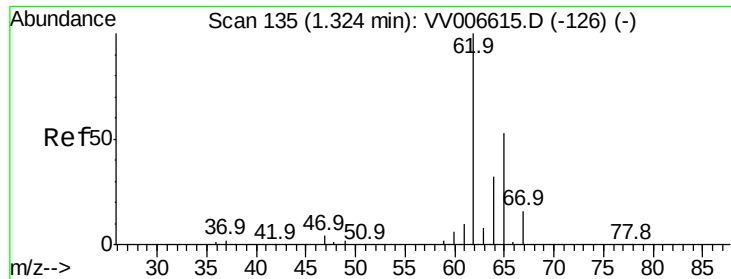
2000

0

1.25 1.27 1.30

Time-->





#5

Vinyl chloride

Concen: 0.660 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

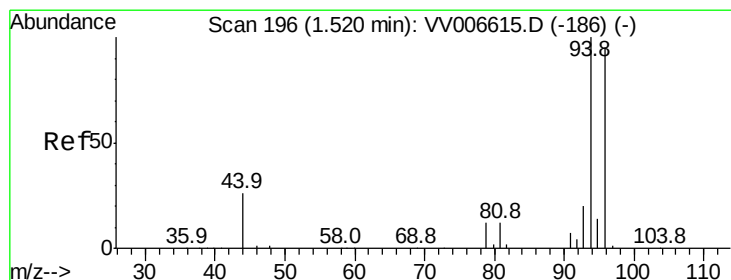
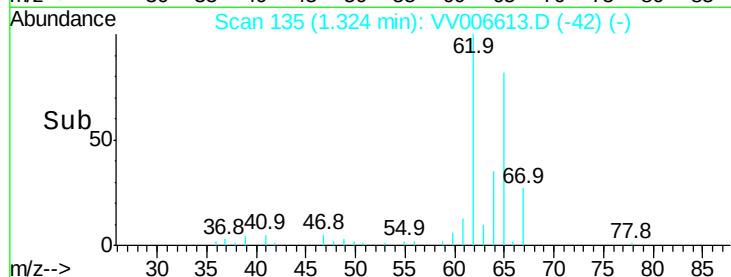
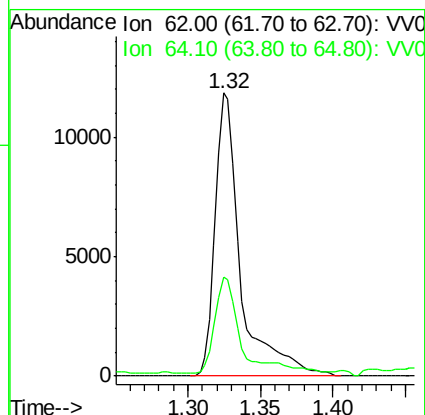
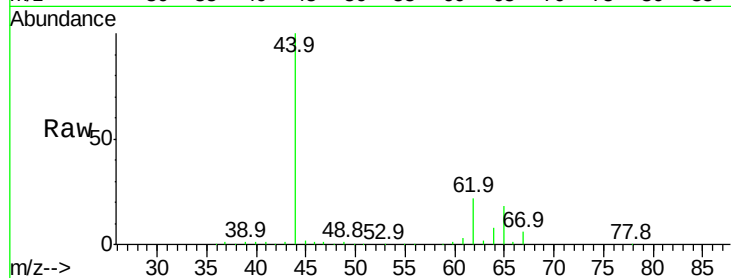
VSTD0.575

Tgt Ion: 62 Resp: 14541

Ion Ratio Lower Upper

62 100

64 35.1 22.6 42.0



#6

Bromomethane

Concen: 0.625 ug/L

RT: 1.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VV006613.D

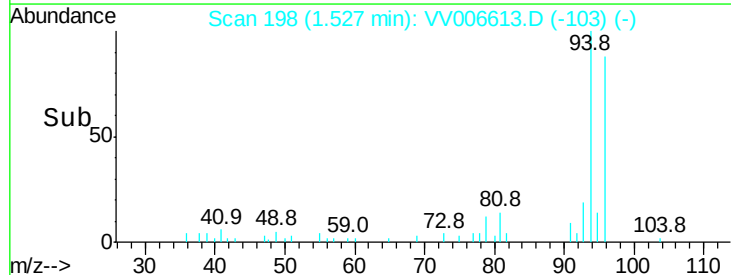
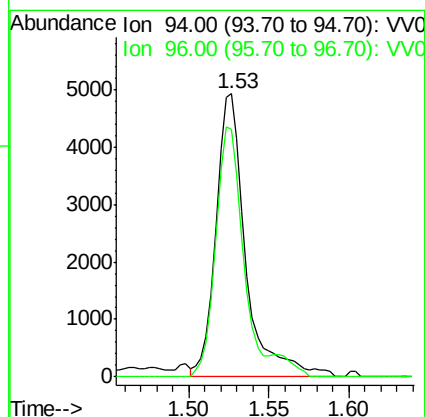
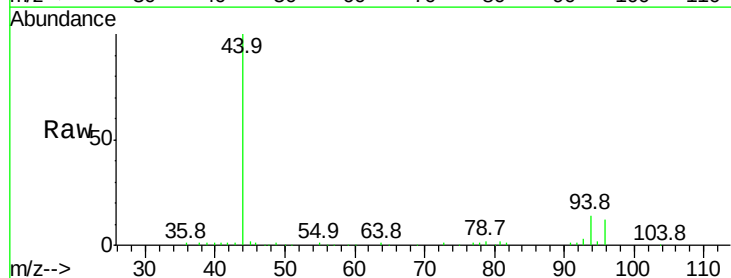
Acq: 17 Jul 2018 12:10

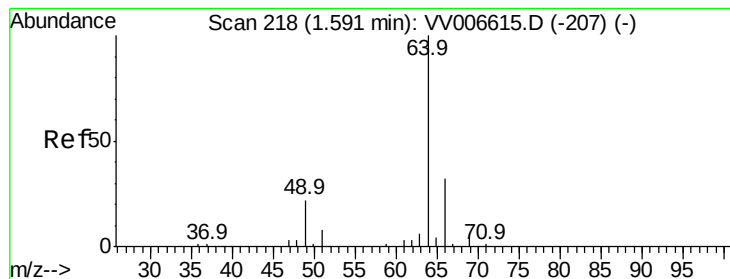
Tgt Ion: 94 Resp: 6379

Ion Ratio Lower Upper

94 100

96 87.6 66.2 123.0





#8

Chloroethane

Concen: 0.684 ug/L

RT: 1.60 min Scan# 220

Delta R.T. 0.01 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

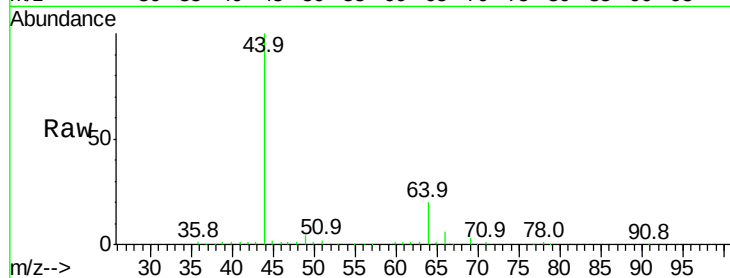
VSTD0.575

Tgt Ion: 64 Resp: 9146

Ion Ratio Lower Upper

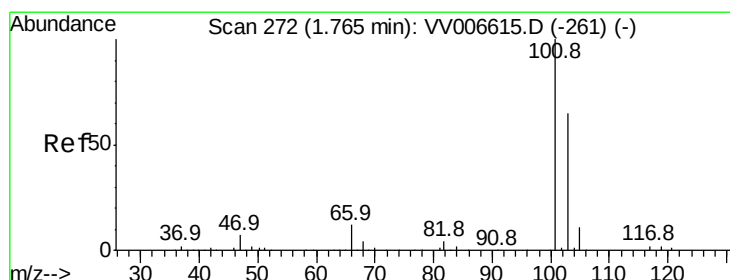
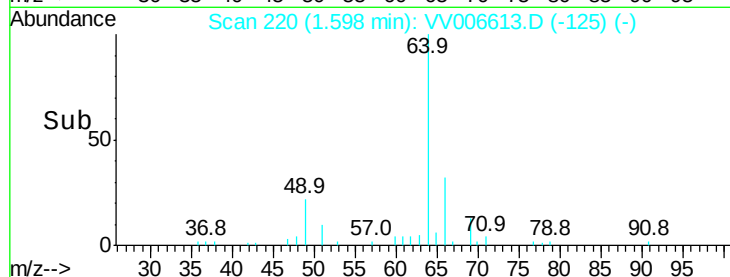
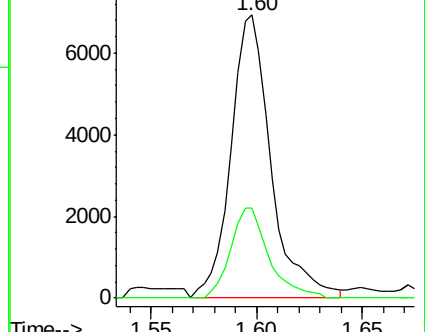
64 100

66 31.7 22.5 41.9



Abundance Ion 64.10 (63.80 to 64.80): VV006613.D (-125) (-)

Ion 66.05 (65.75 to 66.75): VV006613.D (-125) (-)



#9

Trichlorofluoromethane

Concen: 0.662 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.01 min

Lab File: VV006613.D

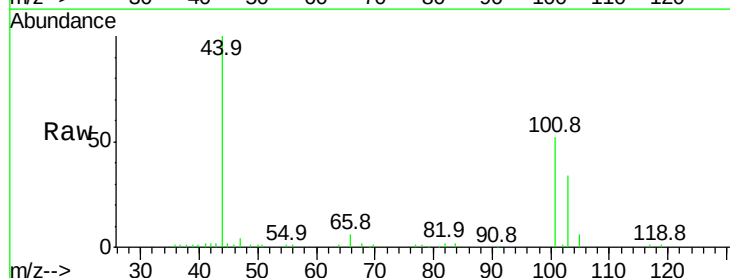
Acq: 17 Jul 2018 12:10

Tgt Ion: 101 Resp: 16395

Ion Ratio Lower Upper

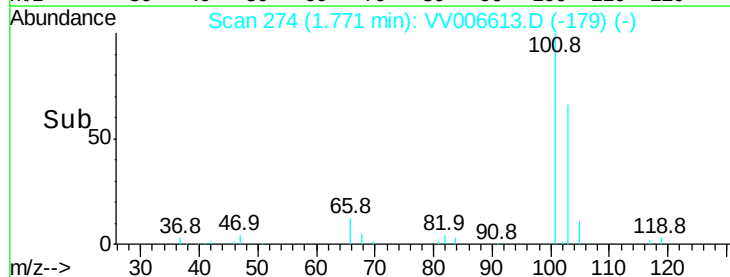
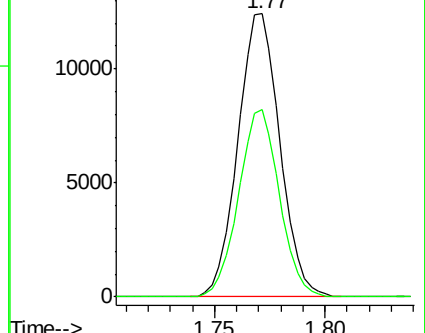
101 100

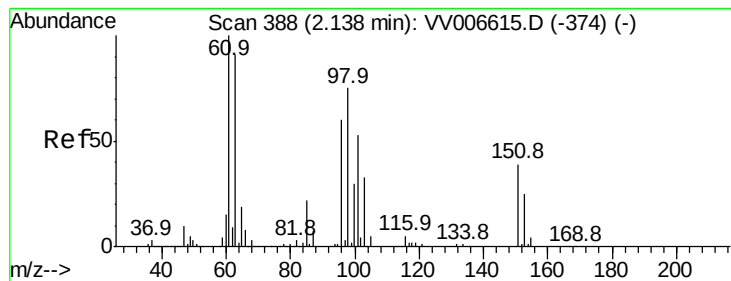
103 64.3 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV006613.D (-179) (-)

Ion 103.00 (102.70 to 103.70): VV006613.D (-179) (-)





#10

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

Concen: 0.633 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

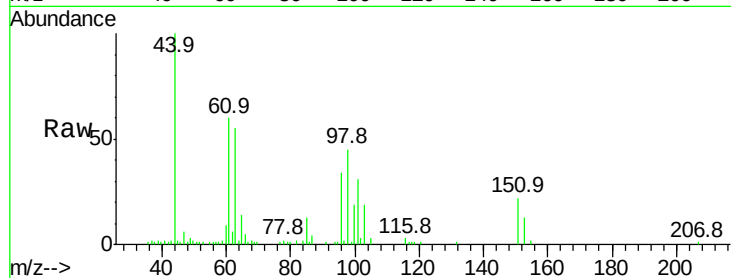
Tgt Ion: 101 Resp: 9695

Ion Ratio Lower Upper

101 100

85 41.8 33.9 50.9

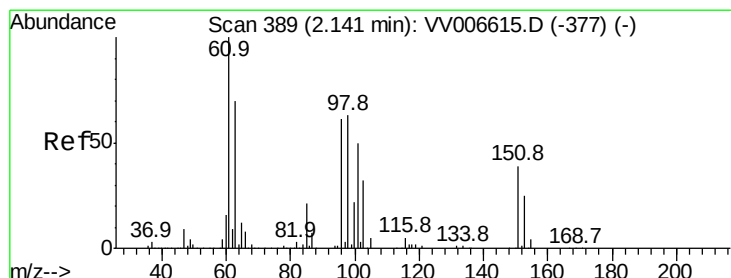
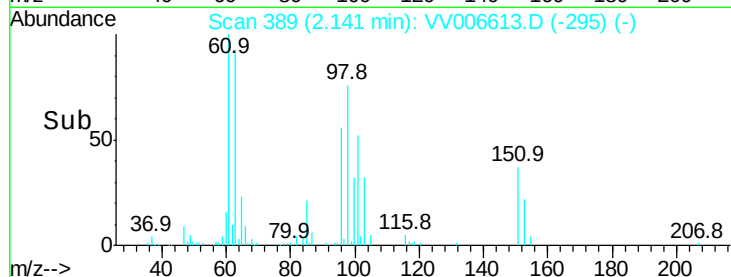
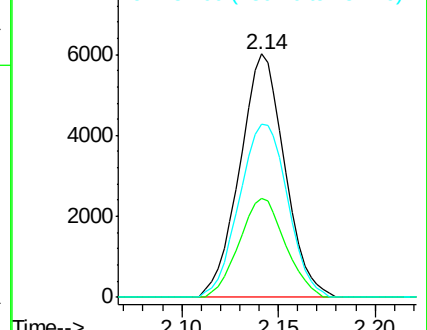
151 76.7 60.5 90.7



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: 0.641 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

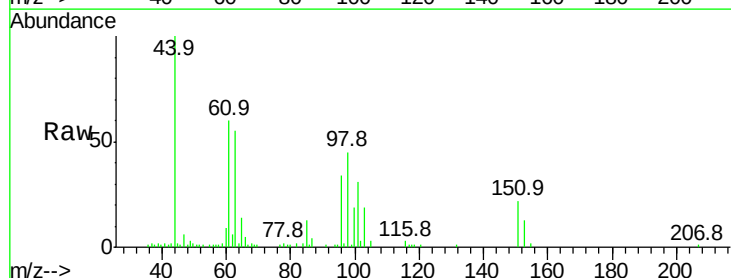
Tgt Ion: 96 Resp: 9923

Ion Ratio Lower Upper

96 100

61 177.2 114.9 213.5

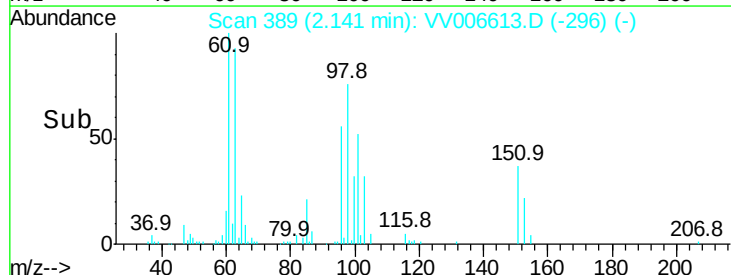
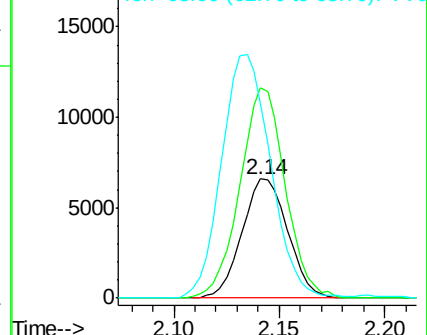
63 164.1 81.9 152.1#

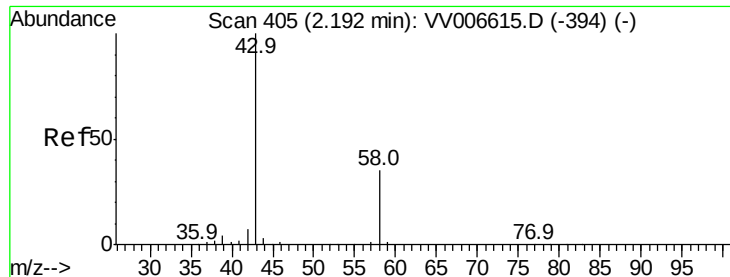


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 8.274 ug/L

RT: 2.20 min Scan# 406

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampled :

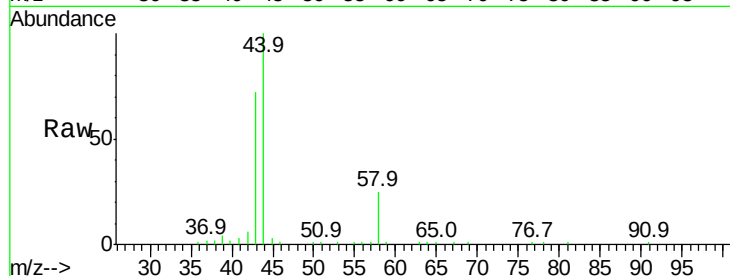
VSTD0.575

Tgt Ion: 43 Resp: 17878

Ion Ratio Lower Upper

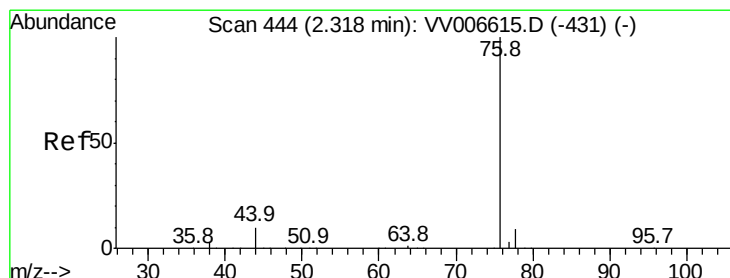
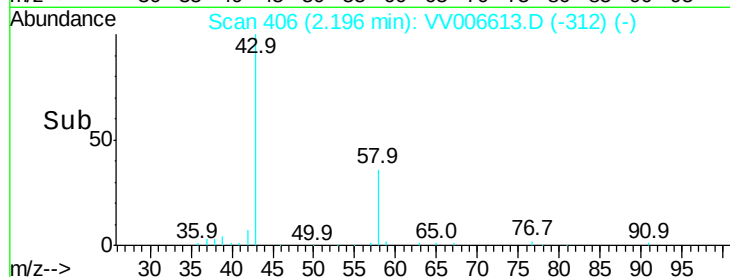
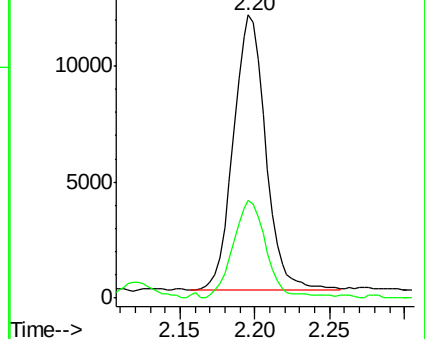
43 100

58 36.8 0.0 70.8



Abundance Ion 43.05 (42.75 to 43.75): VV006613.D (-312) (-)

Ion 58.05 (57.75 to 58.75): VV006613.D (-312) (-)



#14

Carbon disulfide

Concen: 0.639 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006613.D

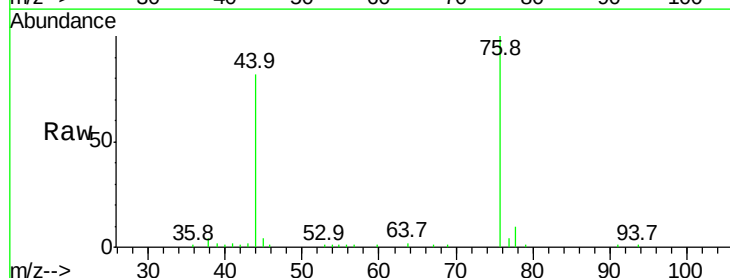
Acq: 17 Jul 2018 12:10

Tgt Ion: 76 Resp: 29585

Ion Ratio Lower Upper

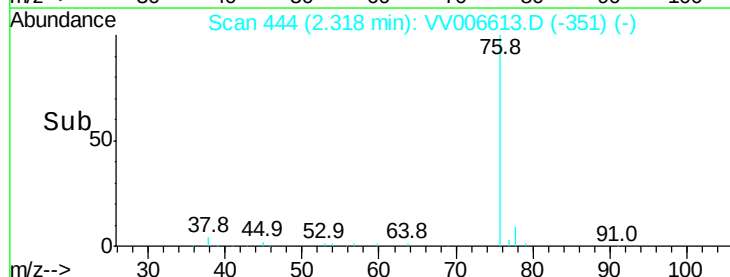
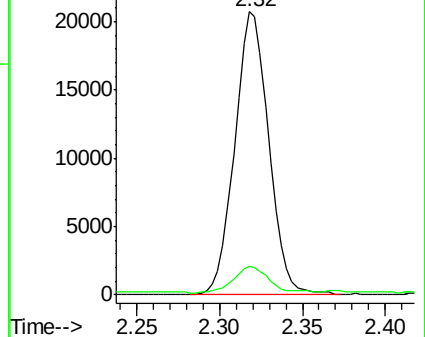
76 100

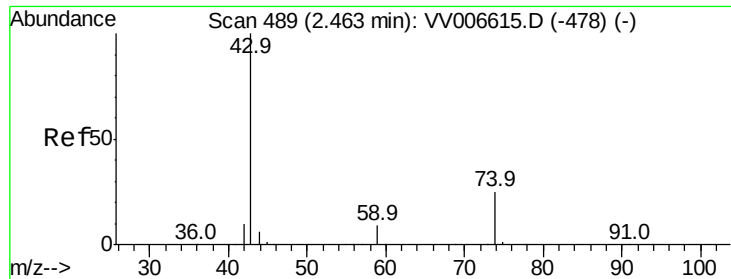
78 10.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV006613.D (-351) (-)

Ion 78.00 (77.70 to 78.70): VV006613.D (-351) (-)

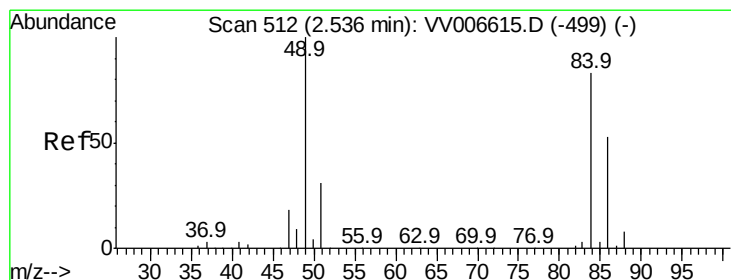
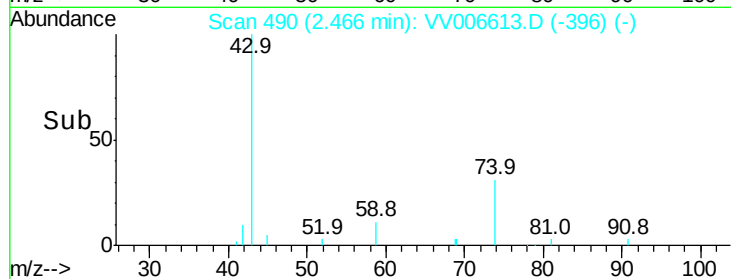
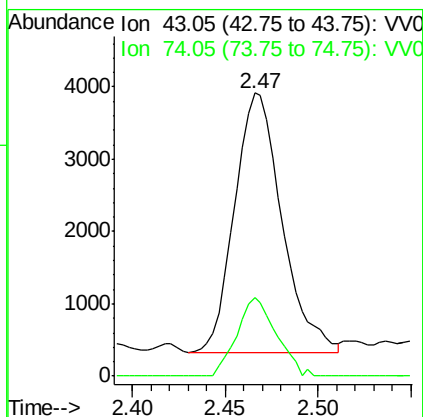
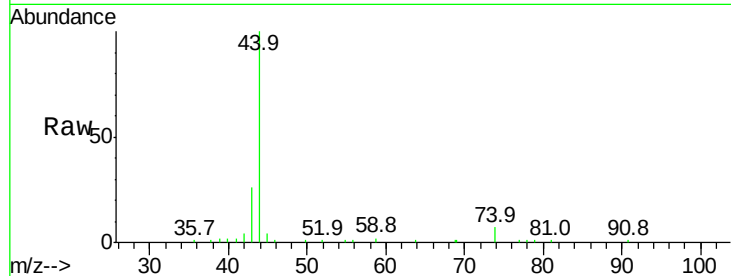




#15
Methyl Acetate
Concen: 1.008 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

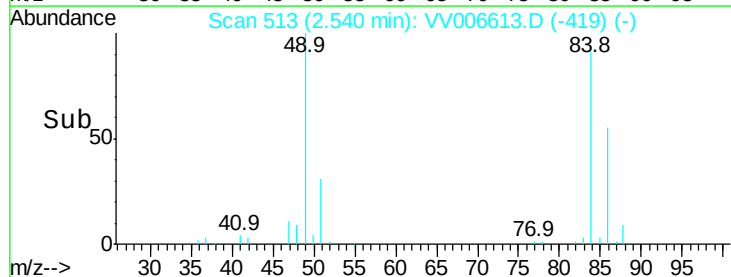
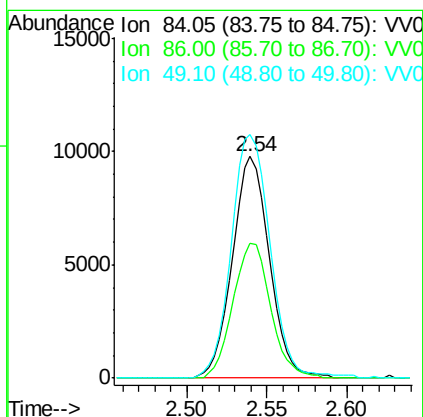
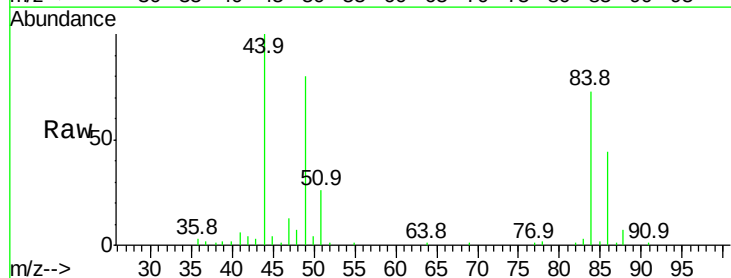
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.575

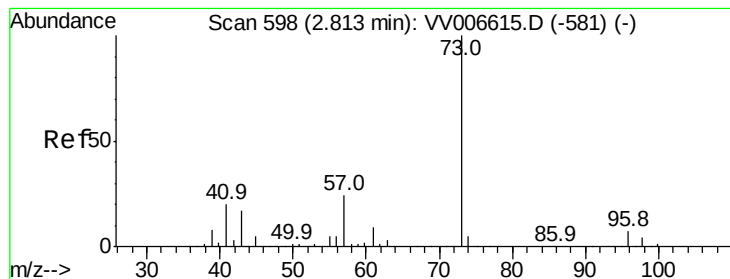
Tgt Ion: 43 Resp: 6409
Ion Ratio Lower Upper
43 100
74 24.9 20.2 30.4



#16
Methylene chloride
Concen: 0.884 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

Tgt Ion: 84 Resp: 15438
Ion Ratio Lower Upper
84 100
86 60.8 45.2 84.0
49 109.9 84.5 156.9





#17

Methyl tert-butyl Ether

Concen: 0.686 ug/L

RT: 2.82 min Scan# 600

Delta R.T. 0.01 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

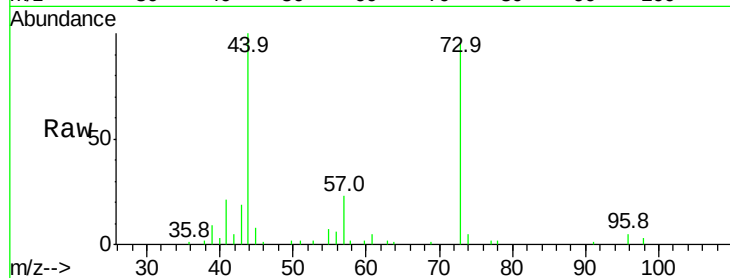
Tgt Ion: 73 Resp: 25183

Ion Ratio Lower Upper

73 100

43 17.2 13.7 20.5

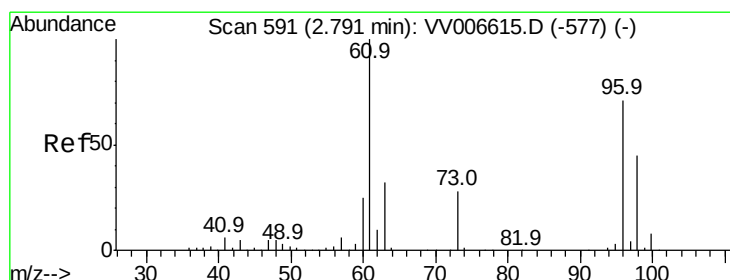
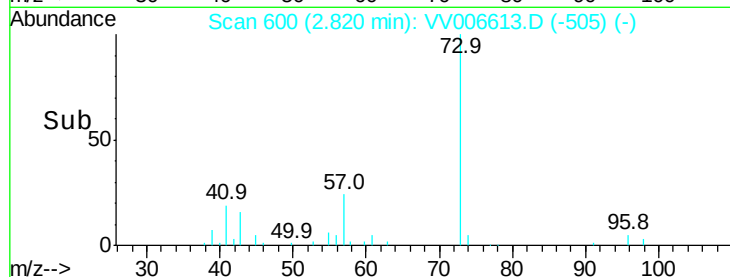
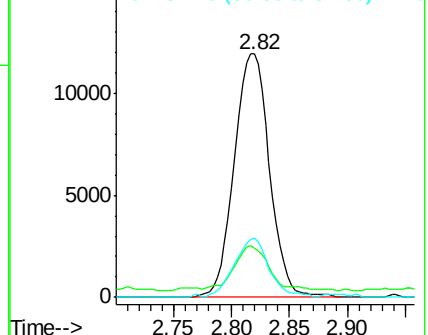
57 24.0 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VV006613.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006613.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006613.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.636 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

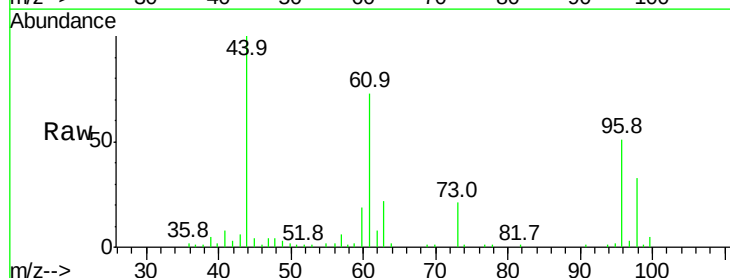
Tgt Ion: 96 Resp: 10744

Ion Ratio Lower Upper

96 100

61 142.4 98.1 182.1

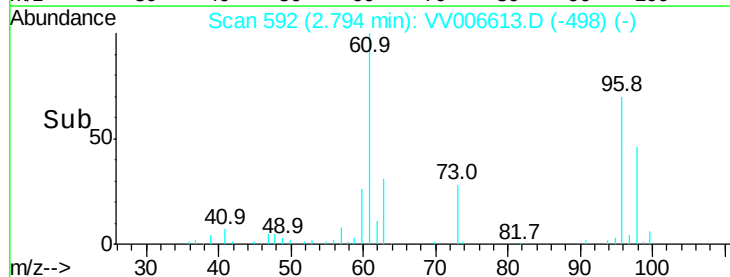
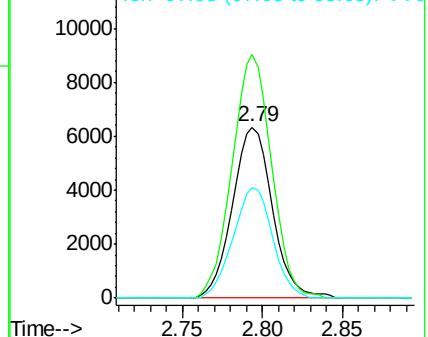
98 64.9 44.4 82.4

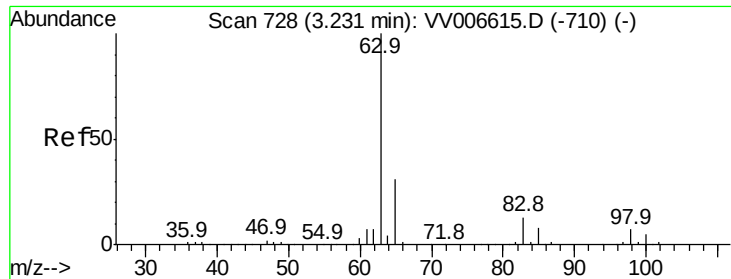


Abundance Ion 96.00 (95.70 to 96.70): VV006613.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006613.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006613.D (-498) (-)

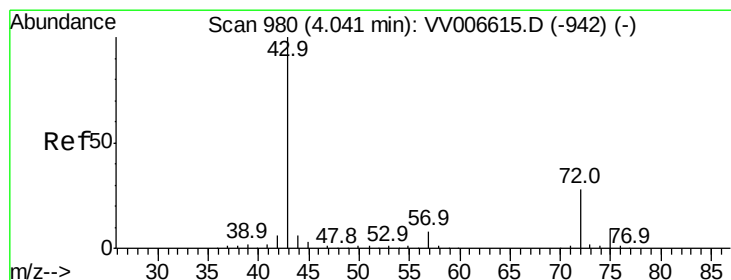
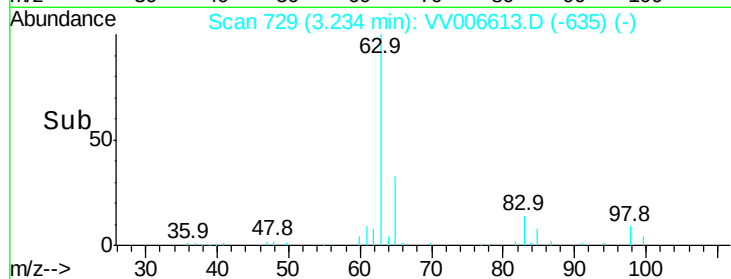
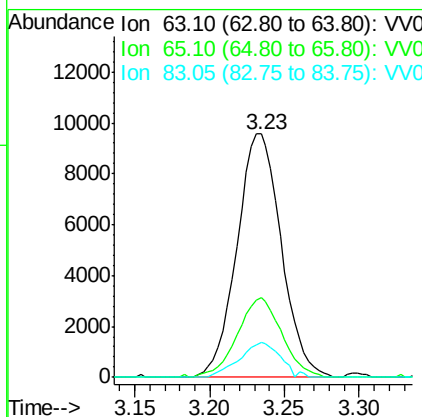
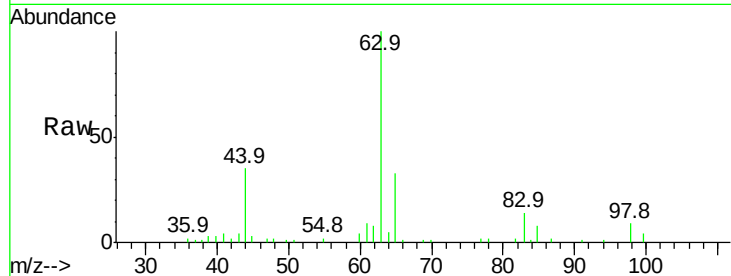




#19
 1,1-Dichloroethane
 Concen: 0.673 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

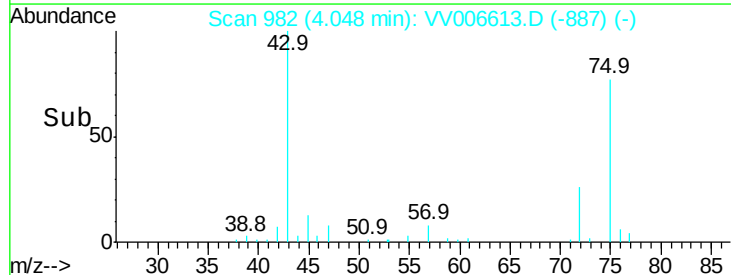
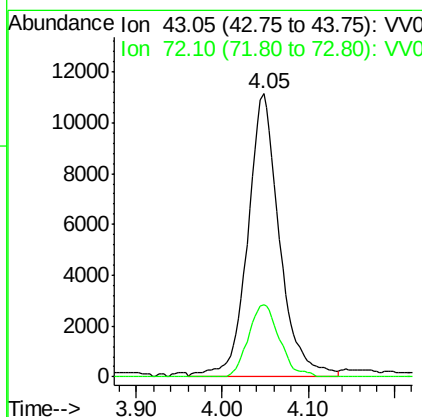
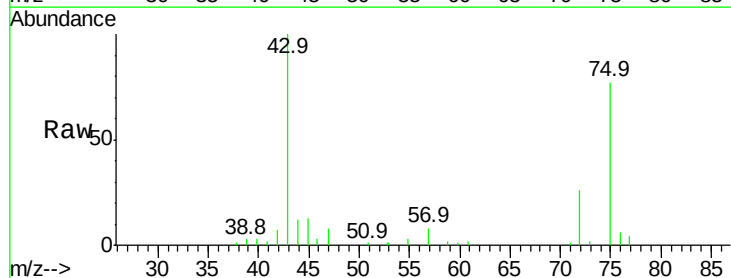
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

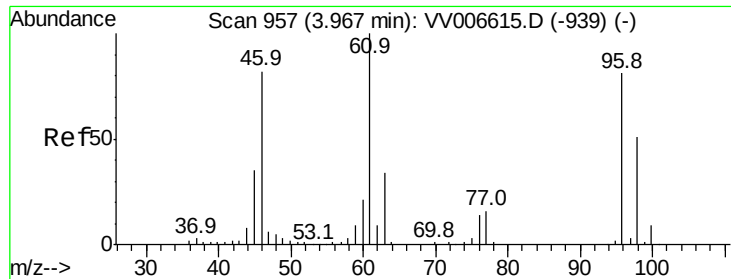
Tgt Ion: 63 Resp: 19723
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.7 40.3
 83 14.3 9.3 17.3



#21
 2-Butanone
 Concen: 8.109 ug/L
 RT: 4.05 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

Tgt Ion: 43 Resp: 28749
 Ion Ratio Lower Upper
 43 100
 72 24.9 13.4 40.1

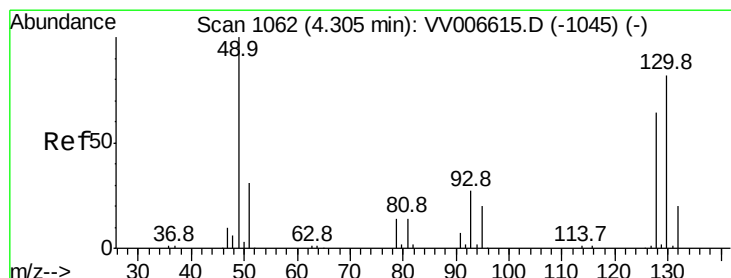
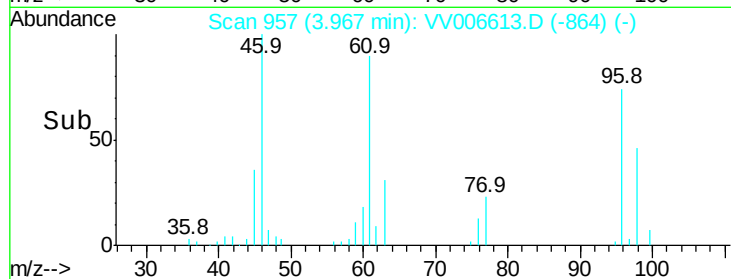
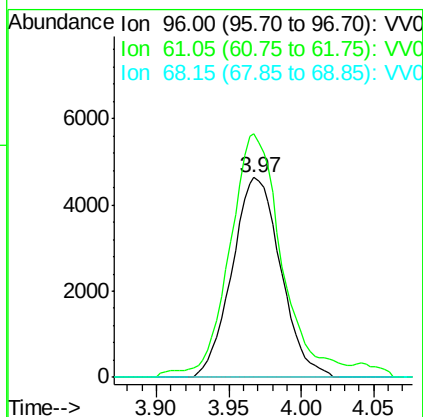
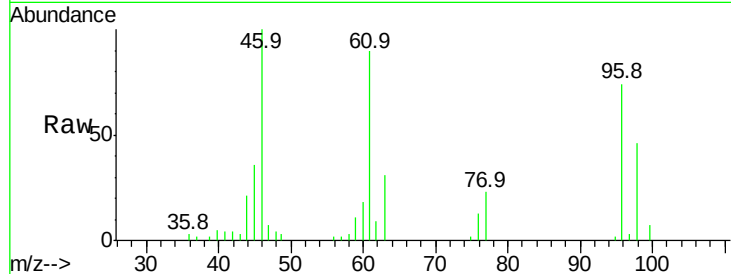




#22
 cis-1,2-Dichloroethene
 Concen: 0.596 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

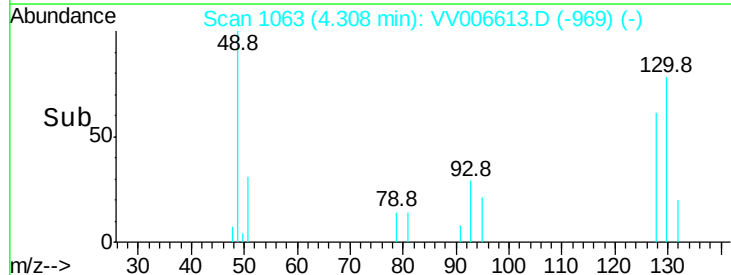
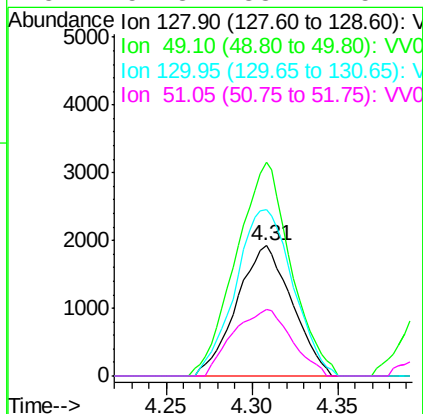
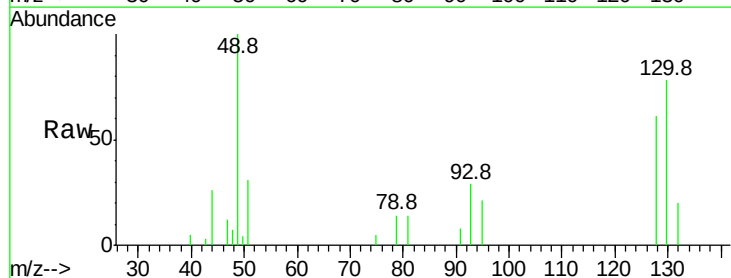
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

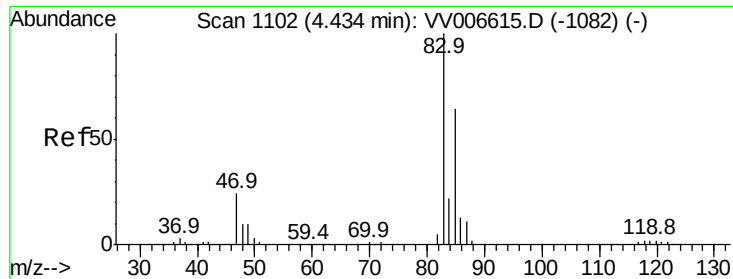
Tgt Ion: 96 Resp: 10825
 Ion Ratio Lower Upper
 96 100
 61 121.9 86.2 160.2
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 0.579 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

Tgt Ion: 128 Resp: 4303
 Ion Ratio Lower Upper
 128 100
 49 170.1 108.6 201.6
 130 127.6 89.4 166.0
 51 51.3 38.2 57.4

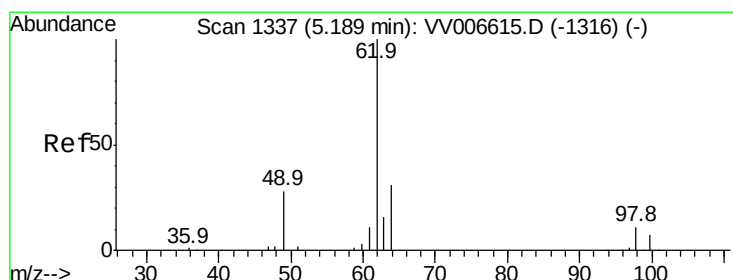
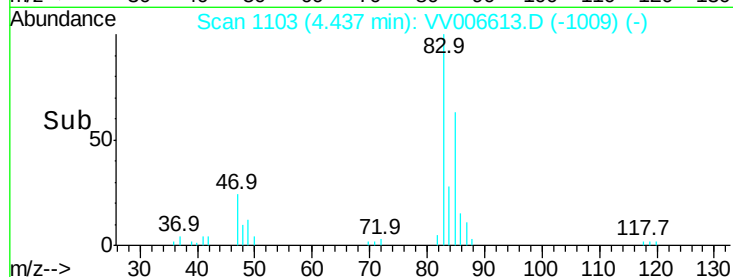
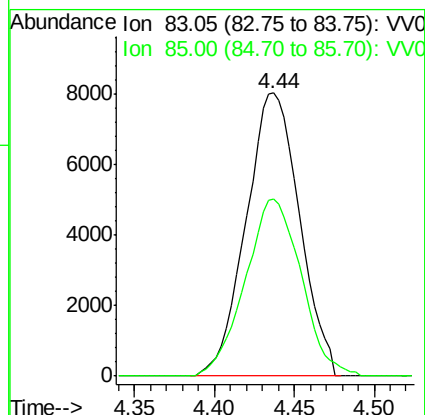
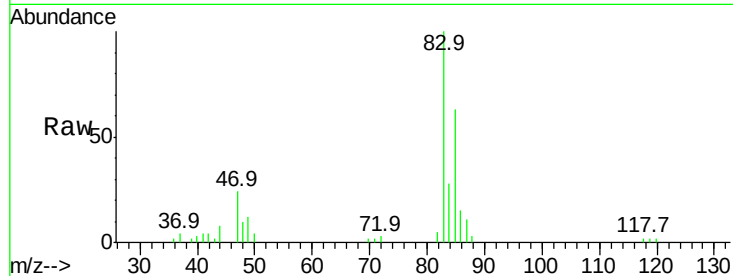




#25
Chloroform
Concen: 0.634 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

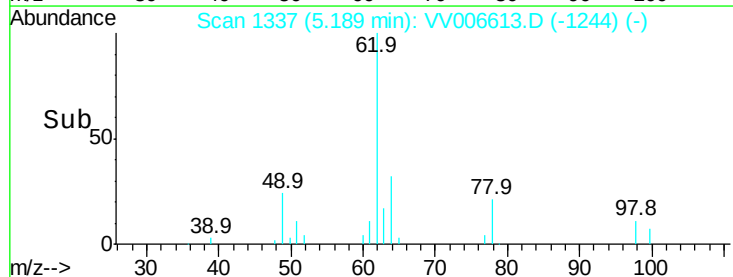
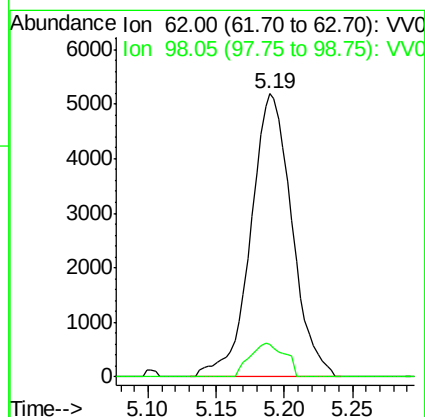
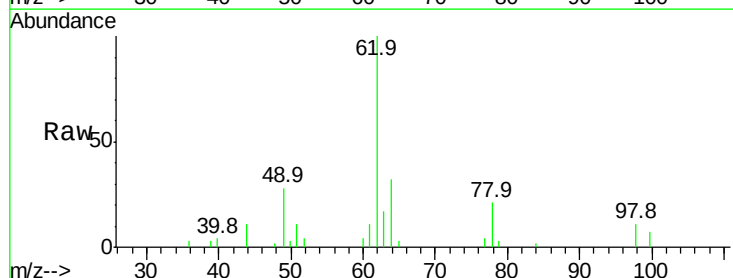
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.575

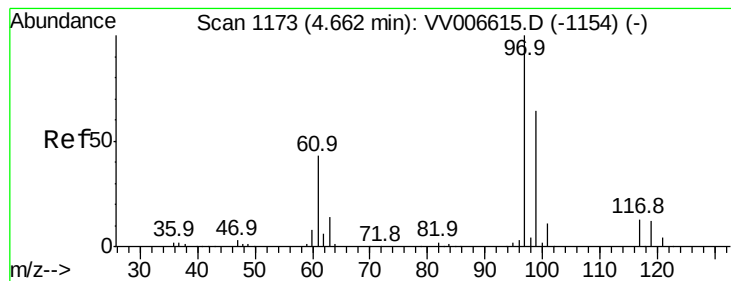
Tgt Ion: 83 Resp: 18500
Ion Ratio Lower Upper
83 100
85 62.7 44.9 83.5



#27
1,2-Dichloroethane
Concen: 0.654 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

Tgt Ion: 62 Resp: 10839
Ion Ratio Lower Upper
62 100
98 11.3 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 0.594 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

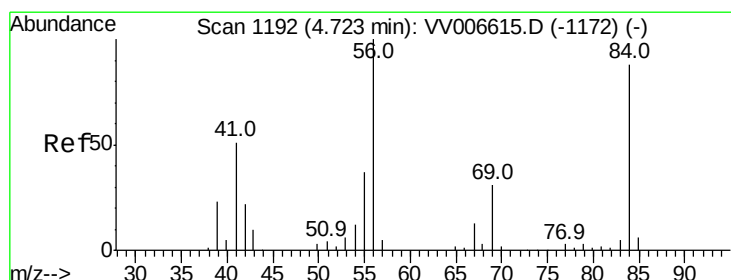
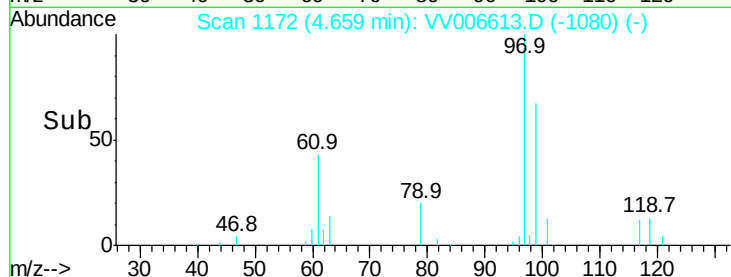
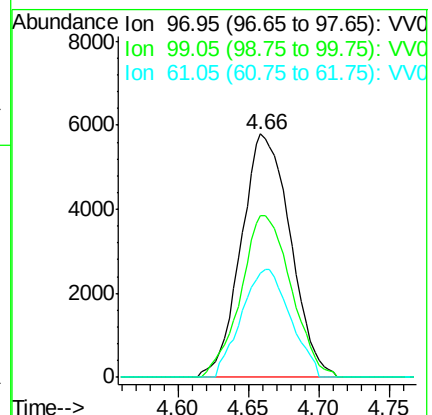
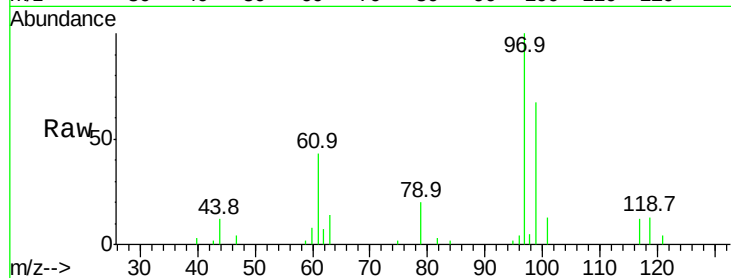
Tgt Ion: 97 Resp: 14147

Ion Ratio Lower Upper

97 100

99 67.9 51.6 77.4

61 43.8 34.7 52.1



#30

Cyclohexane

Concen: 0.628 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

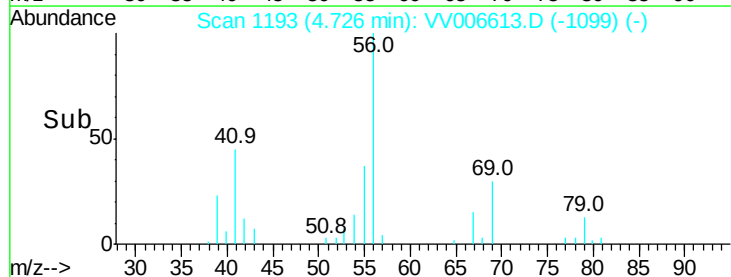
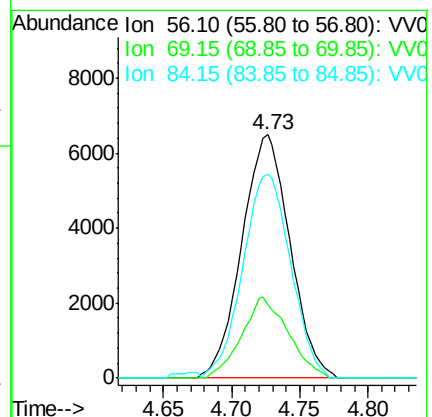
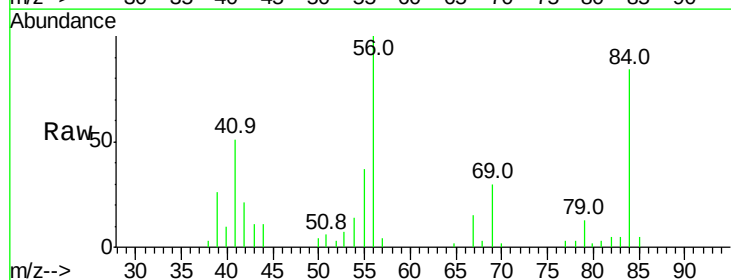
Tgt Ion: 56 Resp: 15908

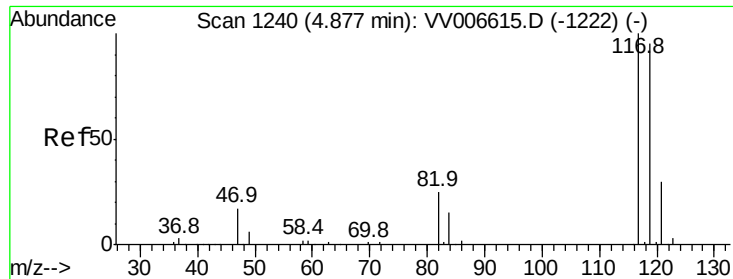
Ion Ratio Lower Upper

56 100

69 32.1 24.9 37.3

84 83.0 71.3 106.9





#31

Carbon tetrachloride

Concen: 0.589 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

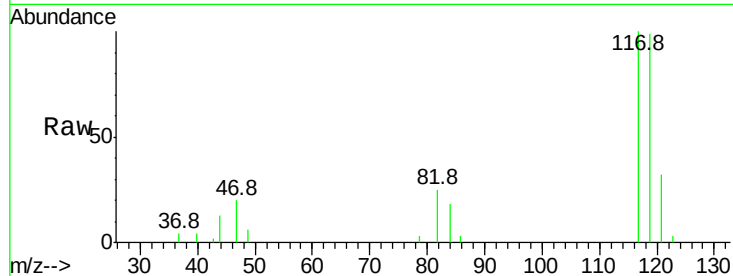
VSTD0.575

Tgt Ion:117 Resp: 11726

Ion Ratio Lower Upper

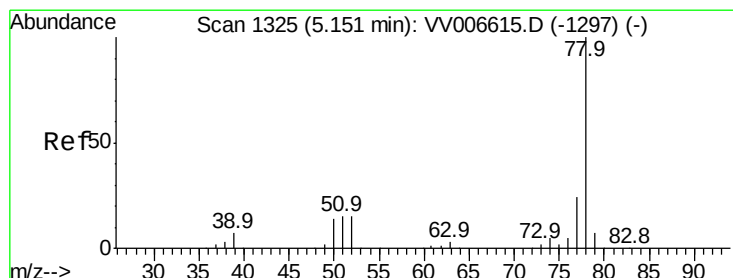
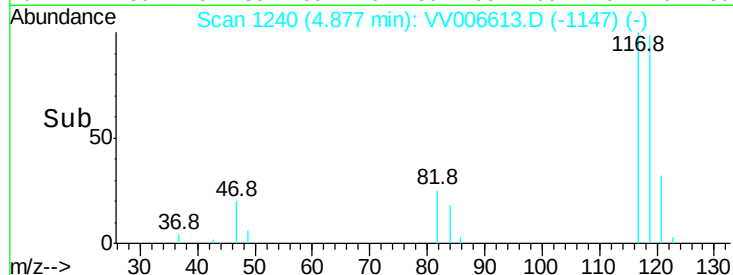
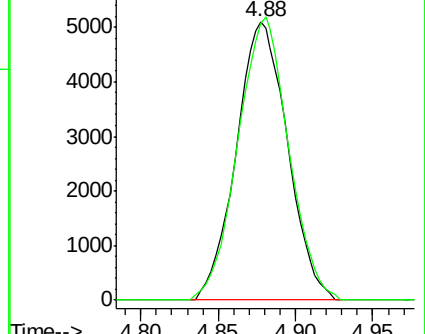
117 100

119 100.9 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.605 ug/L

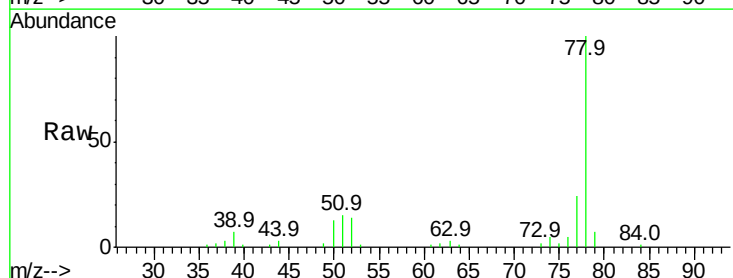
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

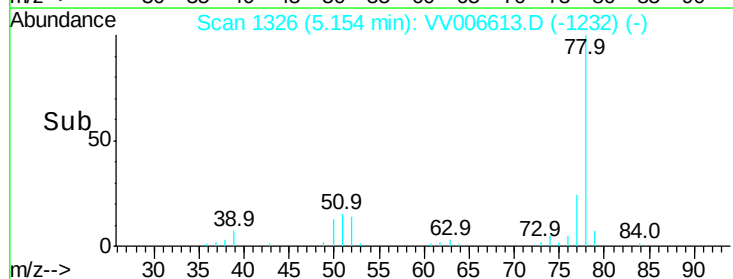
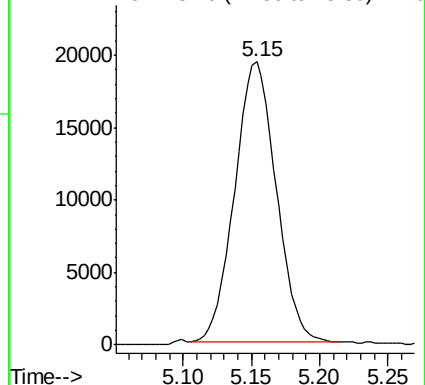
Lab File: VV006613.D

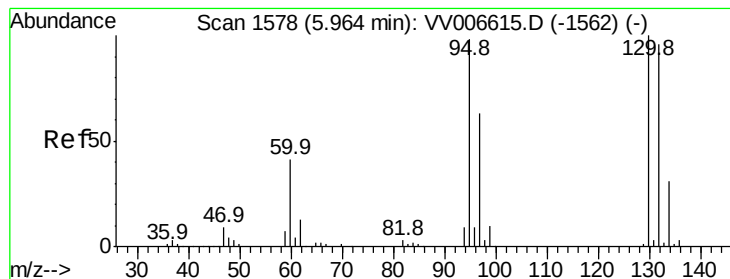
Acq: 17 Jul 2018 12:10

Tgt Ion: 78 Resp: 40987



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.593 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

Tgt Ion: 95 Resp: 10314

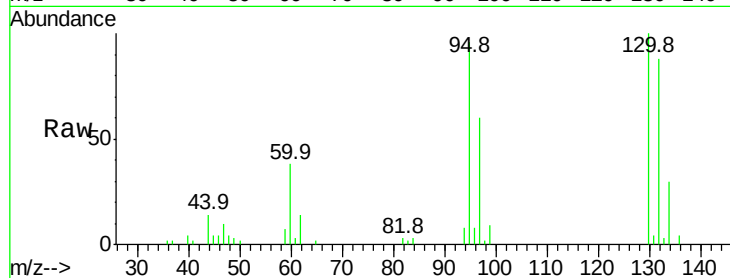
Ion Ratio Lower Upper

95 100

97 63.3 45.1 83.7

132 92.5 69.0 128.2

130 104.7 71.7 133.1

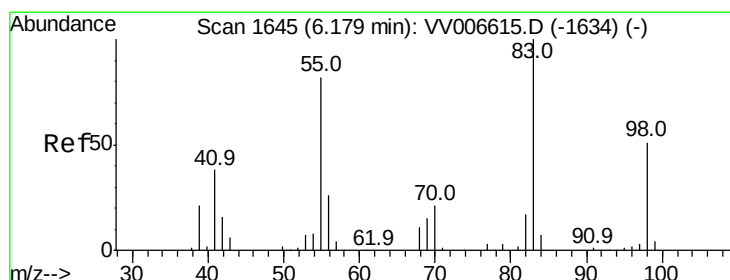
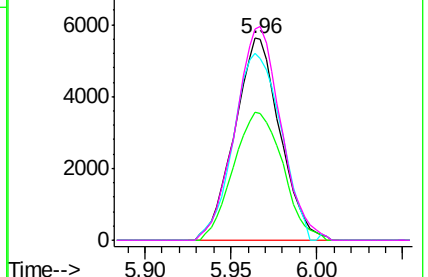
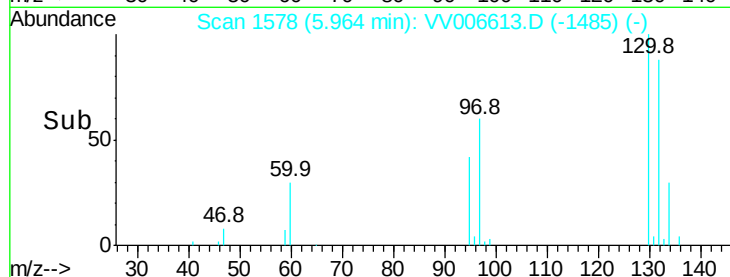


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.551 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

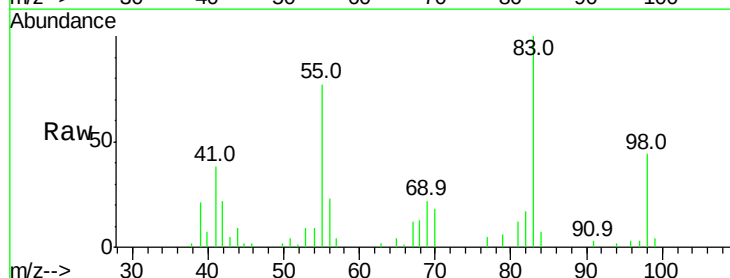
Tgt Ion: 83 Resp: 15423

Ion Ratio Lower Upper

83 100

55 78.0 60.7 91.1

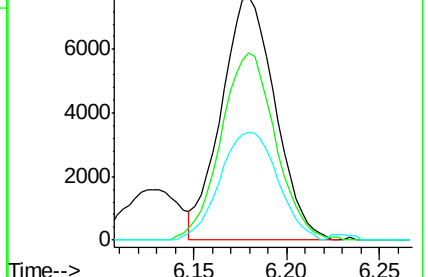
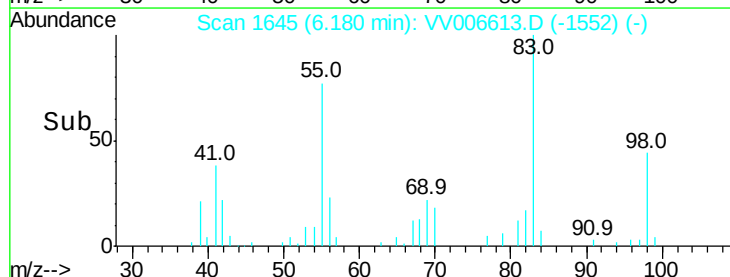
98 47.5 39.1 58.7

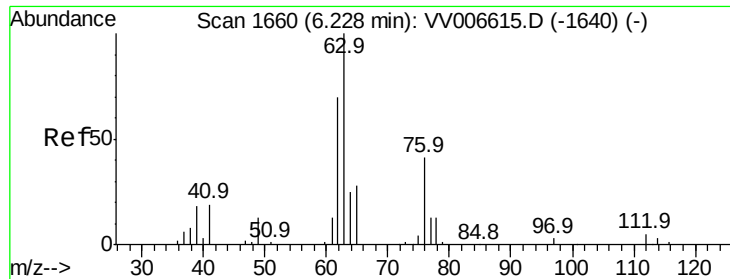


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

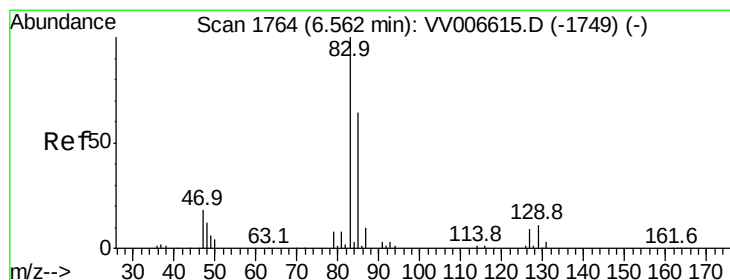
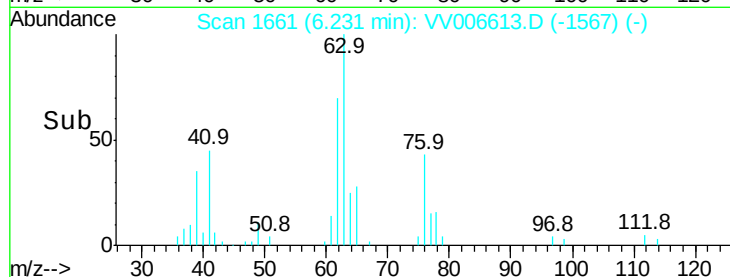
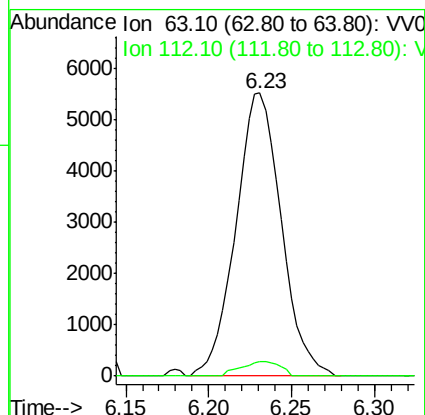
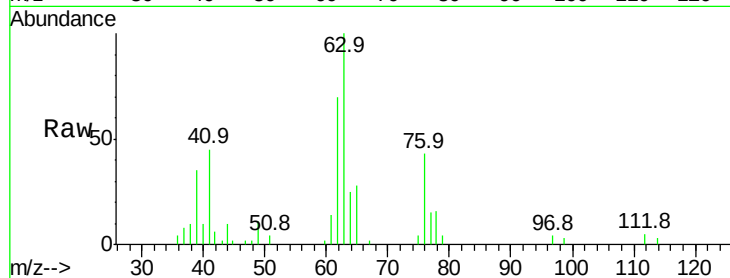




#37
 1,2-Dichloropropane
 Concen: 0.637 ug/L
 RT: 6.23 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

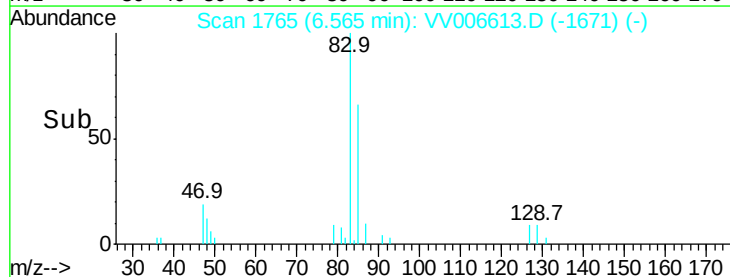
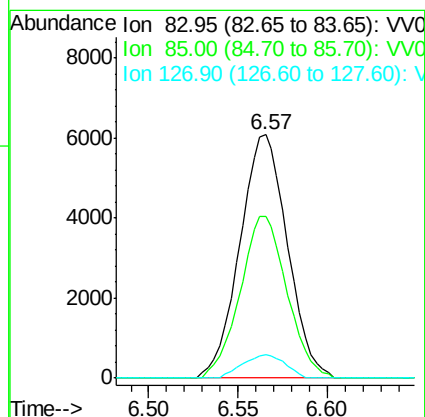
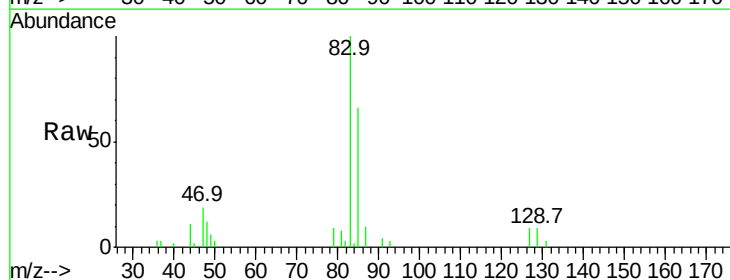
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

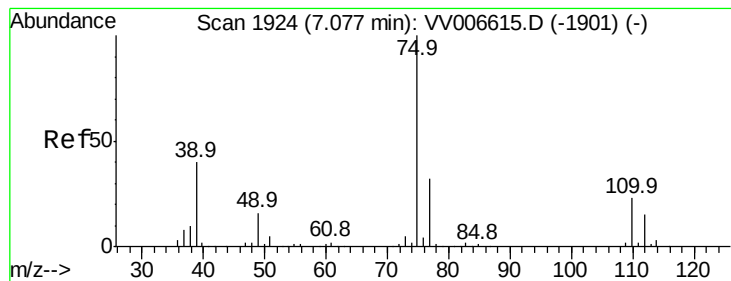
Tgt Ion: 63 Resp: 10569
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 0.606 ug/L
 RT: 6.57 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

Tgt Ion: 83 Resp: 11334
 Ion Ratio Lower Upper
 83 100
 85 66.3 44.7 83.1
 127 9.4 6.8 10.2



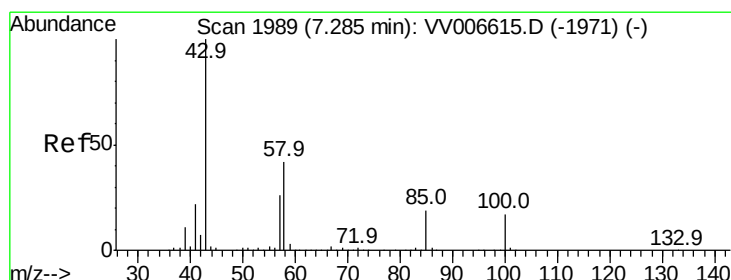
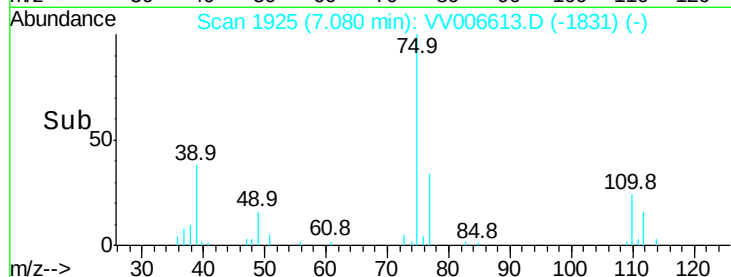
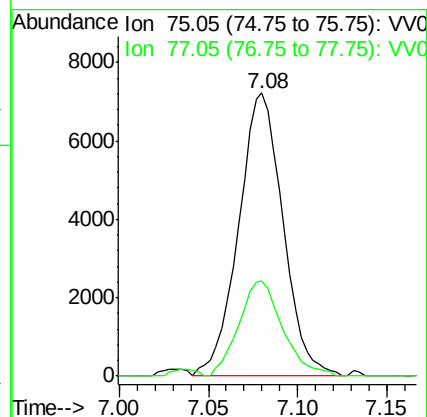
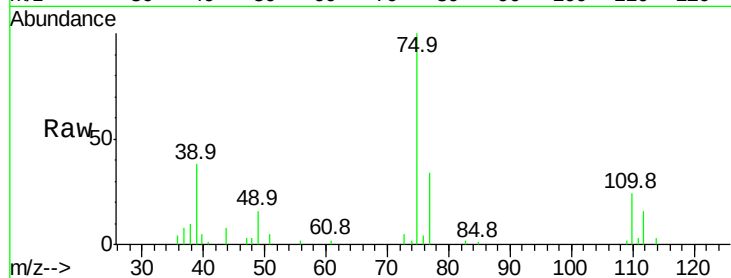


#39

cis-1,3-Dichloropropene
Concen: 0.563 ug/L
RT: 7.08 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.575

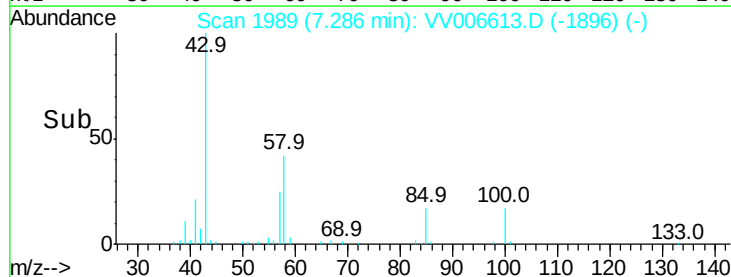
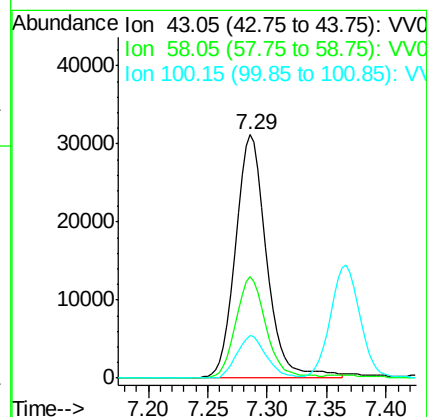
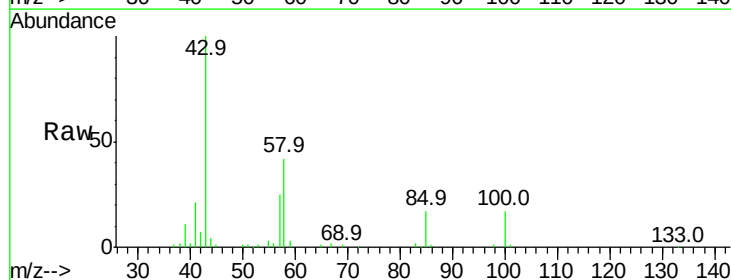
Tgt Ion: 75 Resp: 12528
Ion Ratio Lower Upper
75 100
77 33.5 22.2 41.2

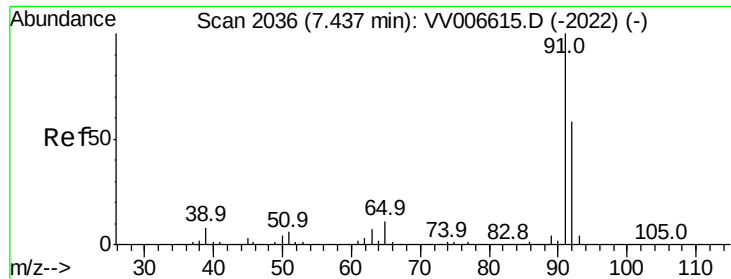


#40

4-Methyl-2-pentanone
Concen: 6.735 ug/L
RT: 7.29 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

Tgt Ion: 43 Resp: 56613
Ion Ratio Lower Upper
43 100
58 40.4 33.2 49.8
100 16.5 13.5 20.3





#42

Toluene

Concen: 0.573 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

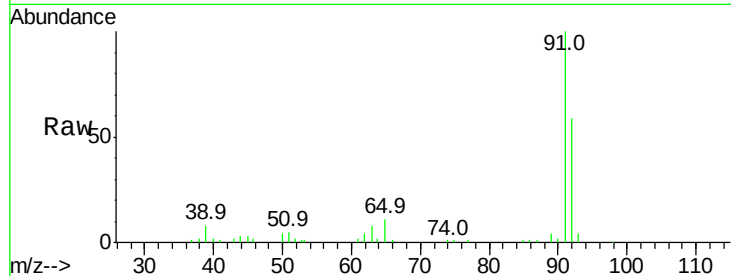
VSTD0.575

Tgt Ion: 91 Resp: 40419

Ion Ratio Lower Upper

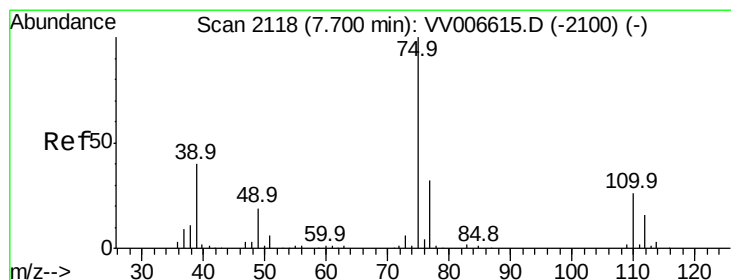
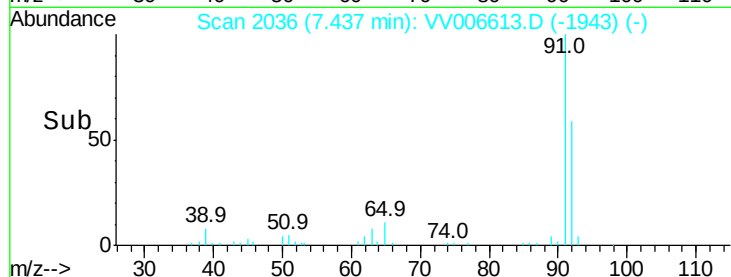
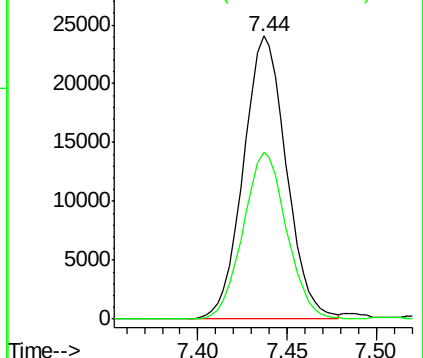
91 100

92 59.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.527 ug/L

RT: 7.70 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VV006613.D

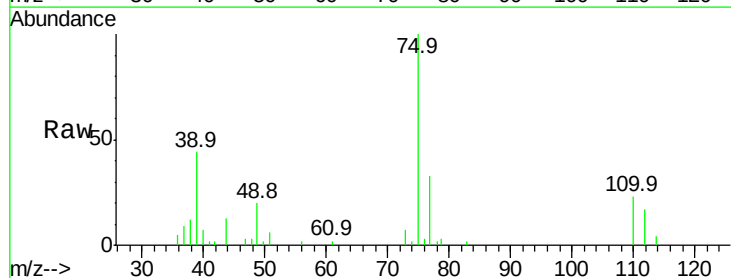
Acq: 17 Jul 2018 12:10

Tgt Ion: 75 Resp: 9057

Ion Ratio Lower Upper

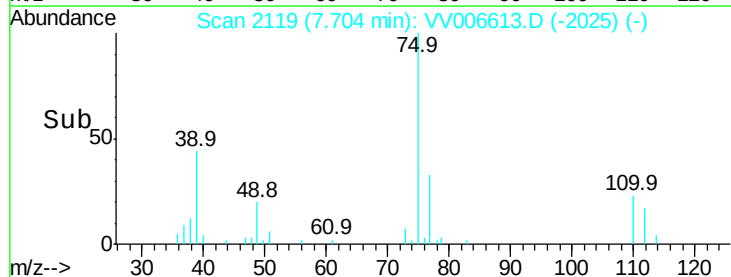
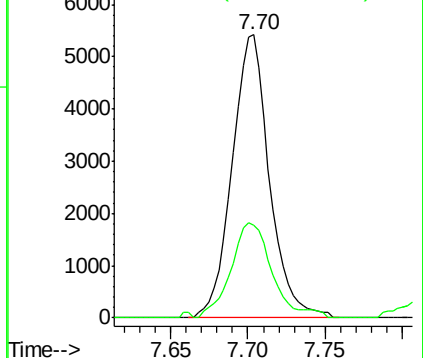
75 100

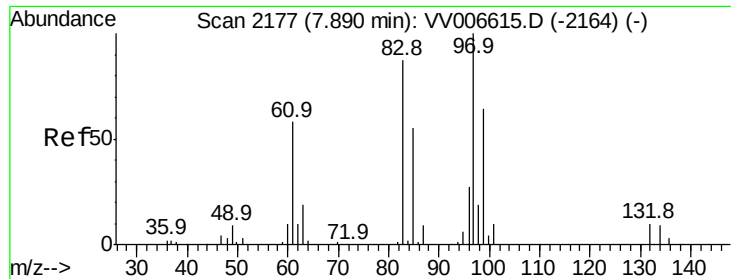
77 32.8 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 0.630 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

Tgt Ion: 97 Resp: 7307

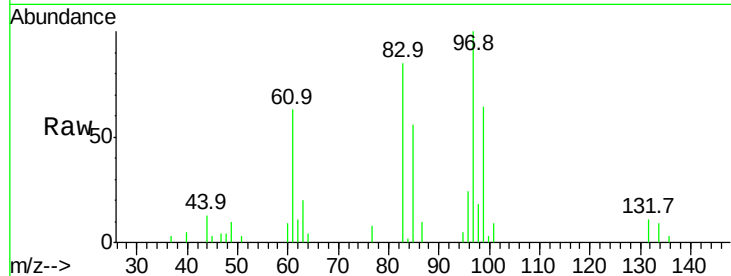
Ion Ratio Lower Upper

97 100

99 64.1 44.9 83.3

83 85.4 61.1 113.5

85 56.3 38.4 71.4

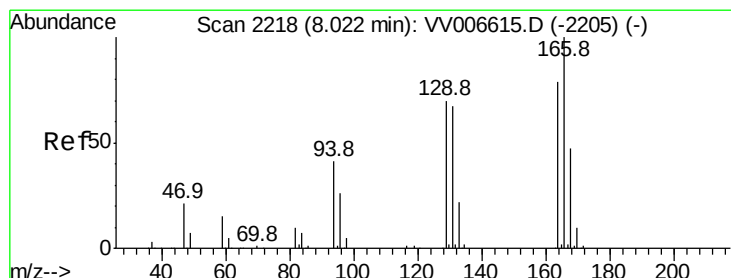
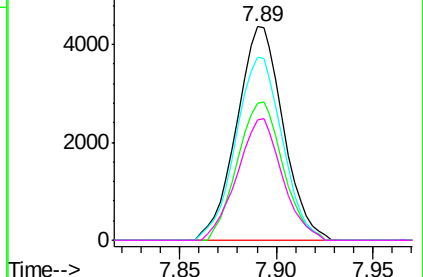
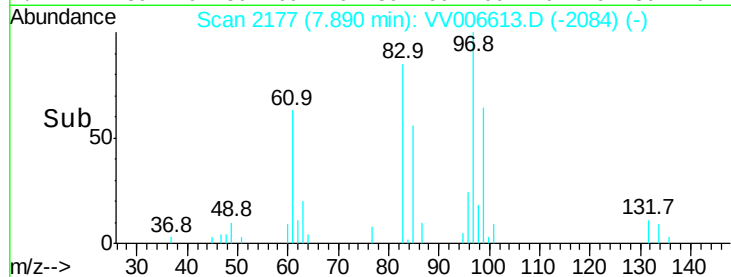


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 0.577 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Tgt Ion: 164 Resp: 8248

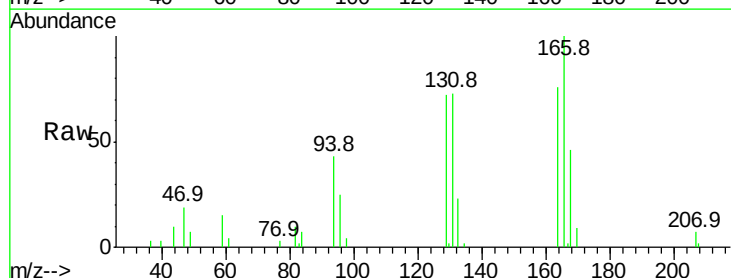
Ion Ratio Lower Upper

164 100

129 95.2 62.7 116.5

131 96.4 60.0 111.4

166 132.4 89.0 165.4

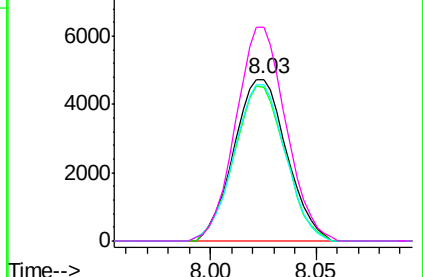
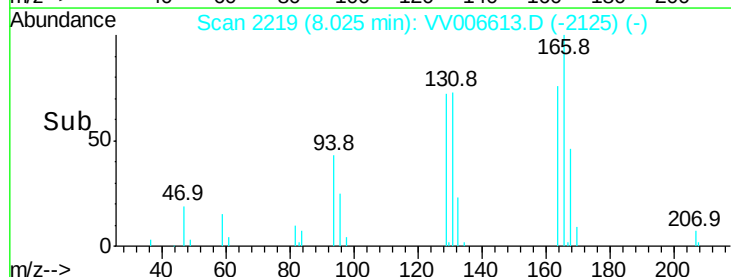


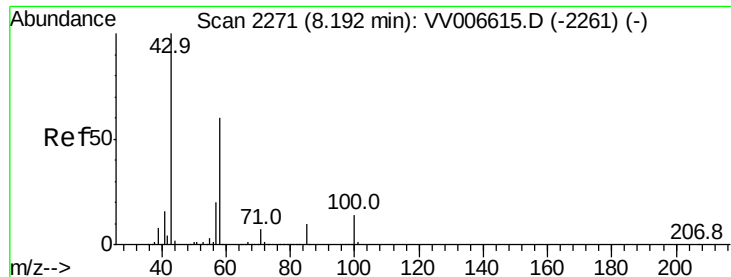
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

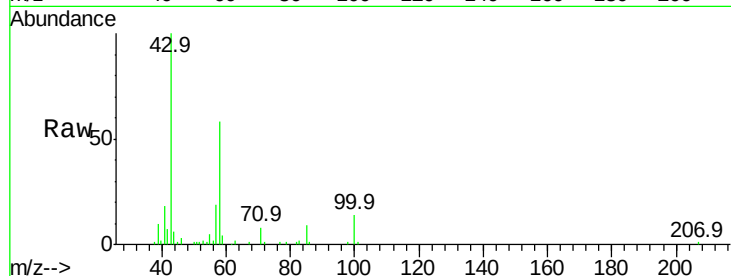




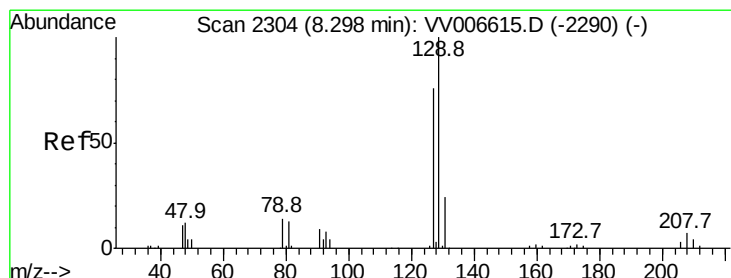
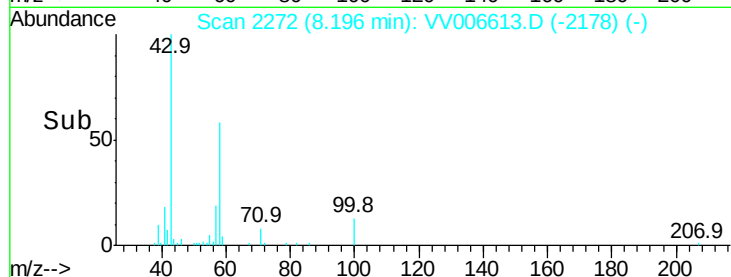
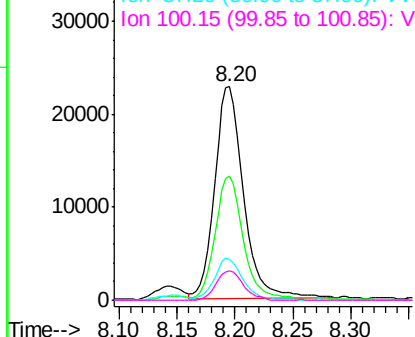
#48
2-Hexanone
Concen: 6.640 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

Instrument :
MSVOA_V
ClientSampled :
VSTD0.575

Tgt Ion: 43 Resp: 39575
Ion Ratio Lower Upper
43 100
58 55.0 48.2 72.4
57 19.7 16.2 24.4
100 13.2 11.0 16.4

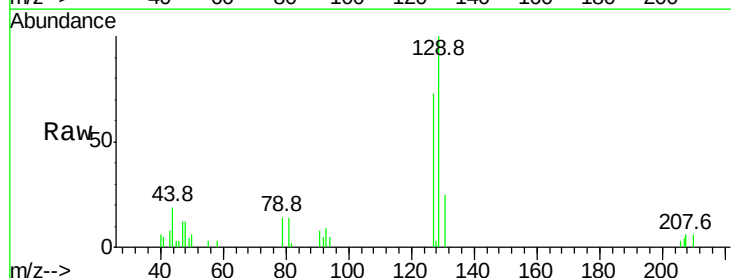


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

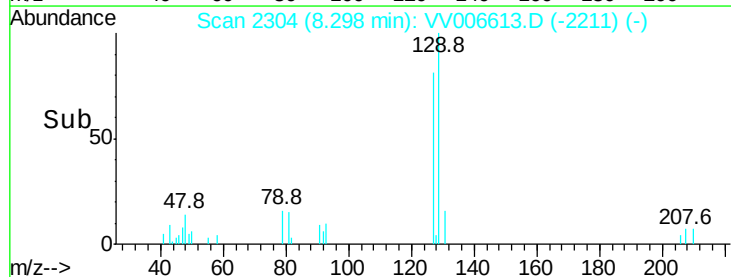
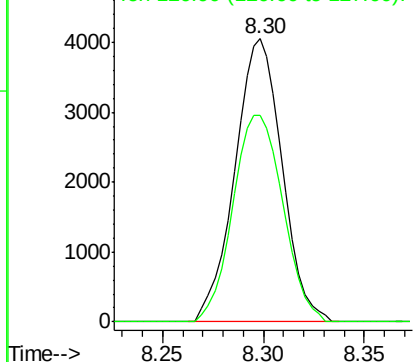


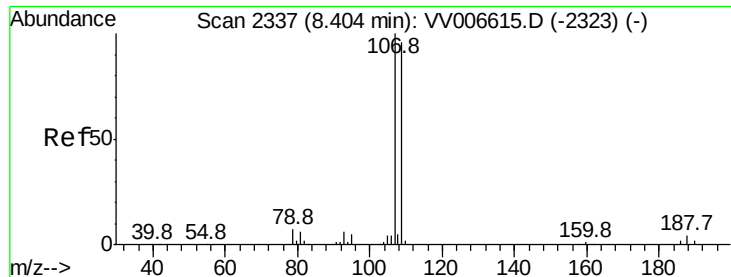
#49
Dibromochloromethane
Concen: 0.548 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

Tgt Ion: 129 Resp: 6634
Ion Ratio Lower Upper
129 100
127 72.8 53.2 98.8



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

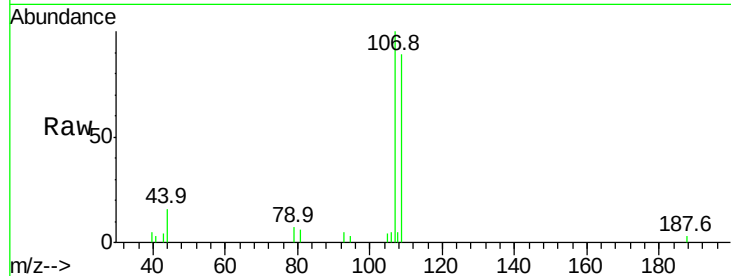




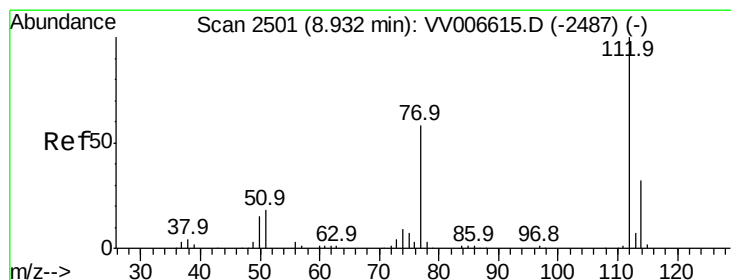
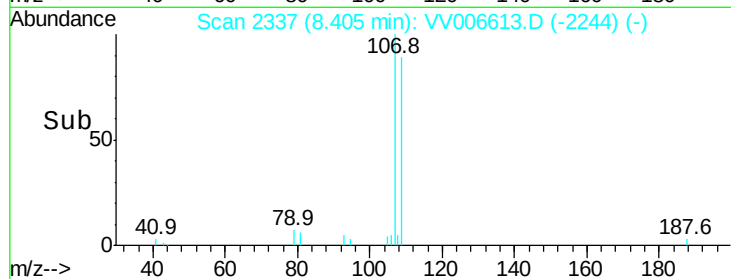
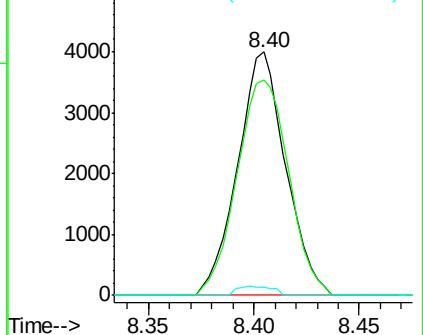
#50
1,2-Dibromoethane
Concen: 0.598 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.575

Tgt Ion:107 Resp: 6316
Ion Ratio Lower Upper
107 100
109 88.7 67.1 124.5
188 3.3 3.3 4.9

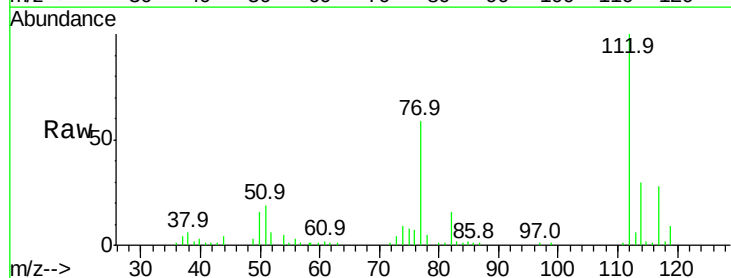


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

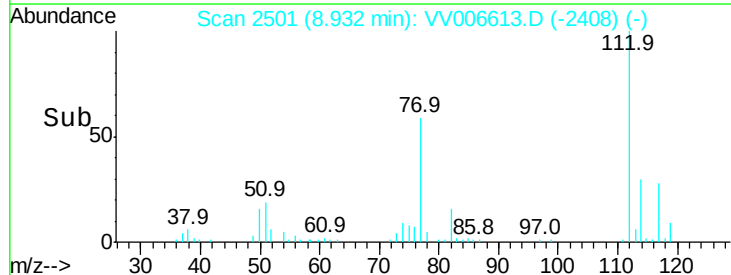
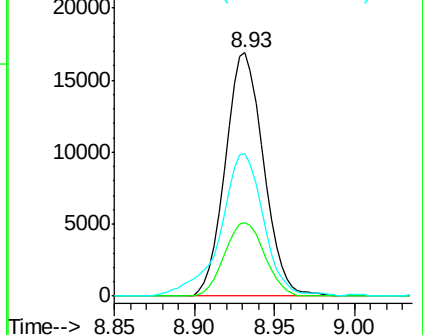


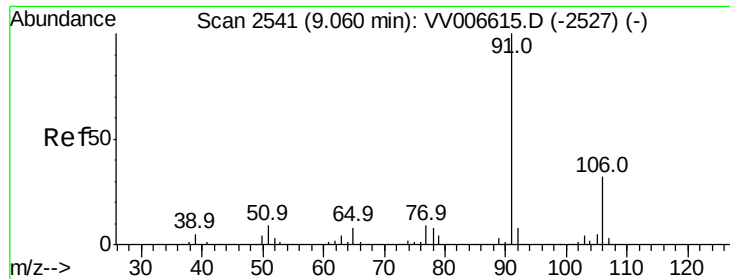
#51
Chlorobenzene
Concen: 0.598 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

Tgt Ion:112 Resp: 27597
Ion Ratio Lower Upper
112 100
114 30.4 22.6 42.0
77 58.7 46.2 69.4



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: 0.565 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

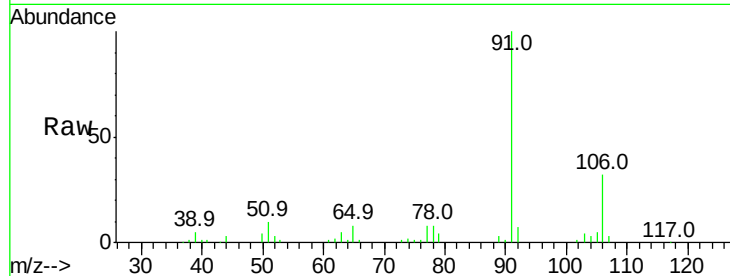
VSTD0.575

Tgt Ion: 91 Resp: 42304

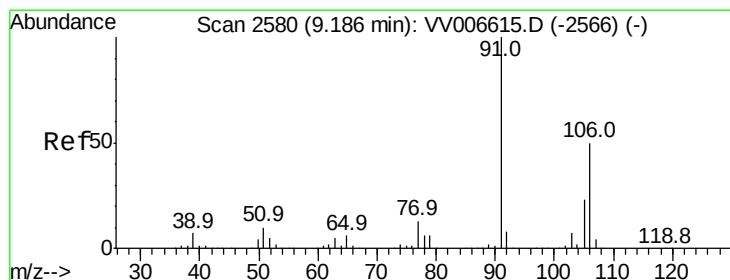
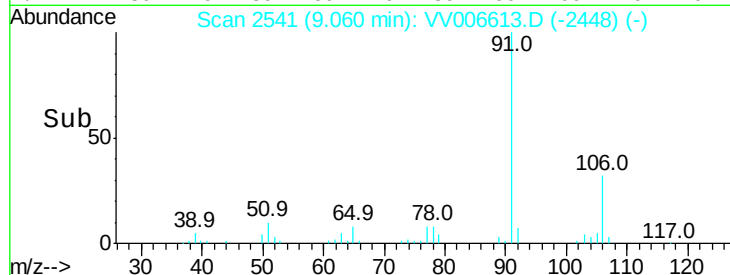
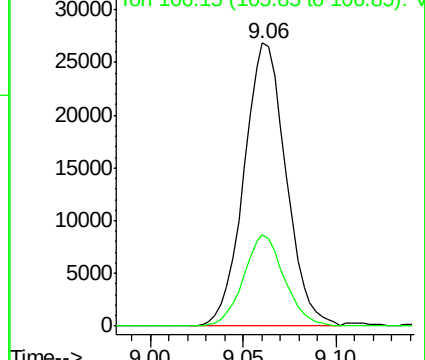
Ion Ratio Lower Upper

91 100

106 32.4 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006613.D (-2448) (-)



#53

m,p-xylene

Concen: 0.554 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006613.D

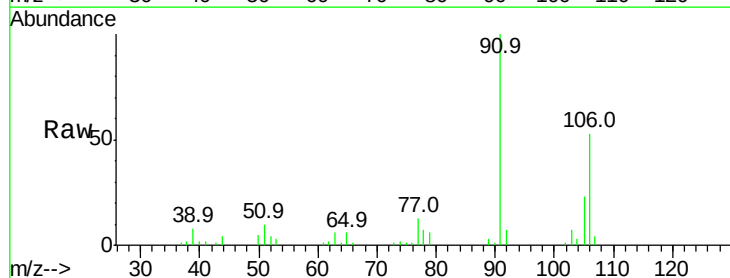
Acq: 17 Jul 2018 12:10

Tgt Ion: 106 Resp: 15998

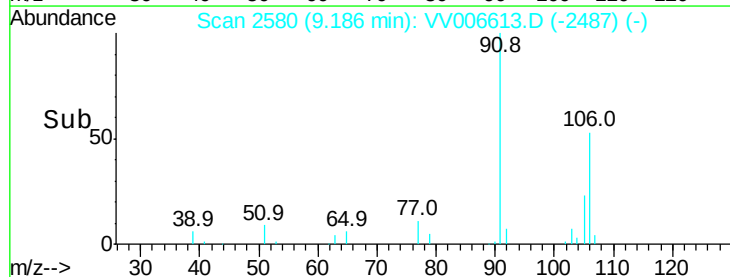
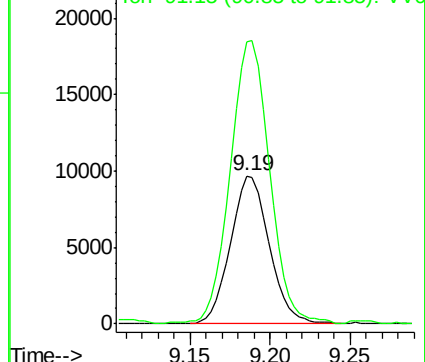
Ion Ratio Lower Upper

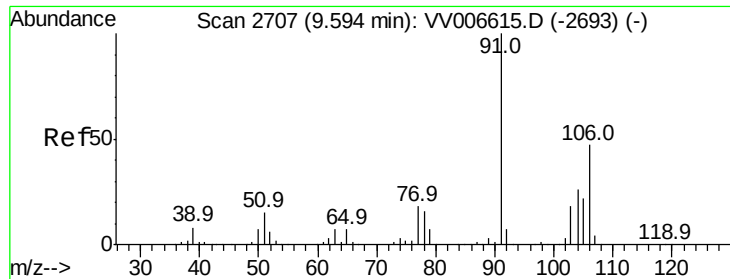
106 100

91 190.4 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006613.D (-2487) (-)

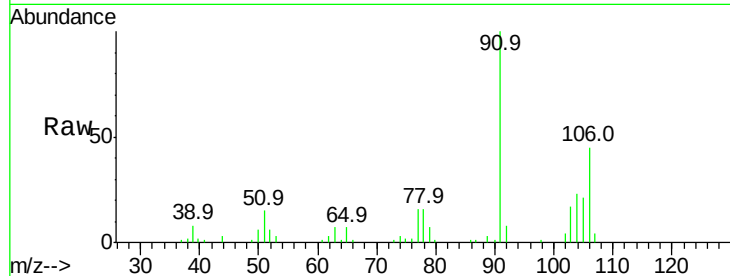




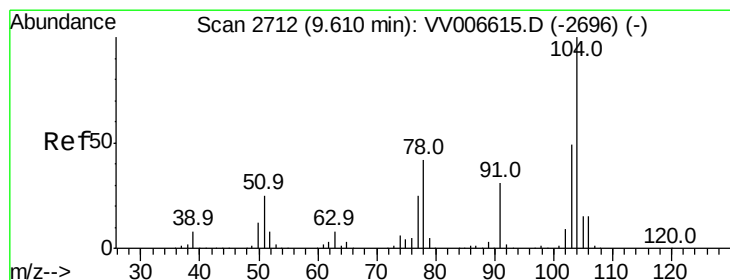
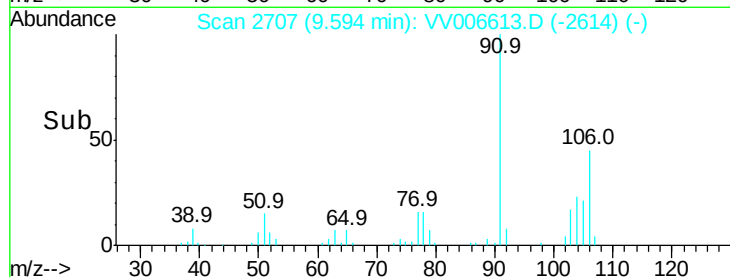
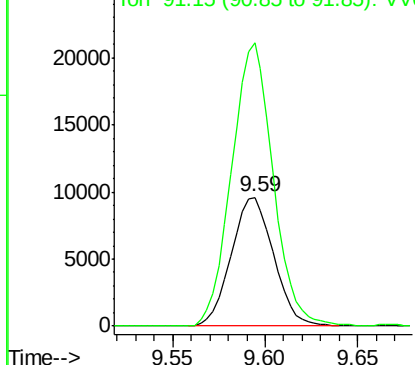
#54
o-xylene
Concen: 0.538 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.575

Tgt Ion:106 Resp: 15211
Ion Ratio Lower Upper
106 100
91 220.1 149.0 276.6

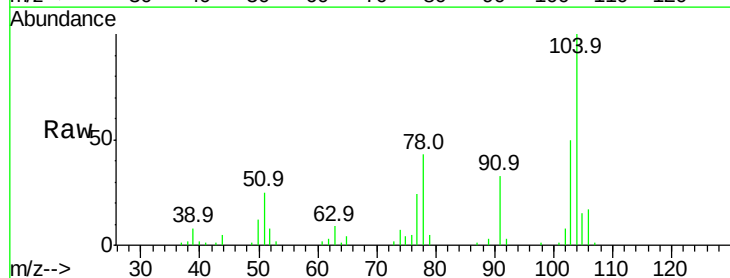


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

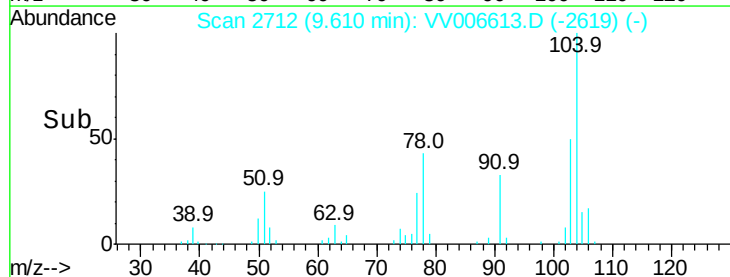
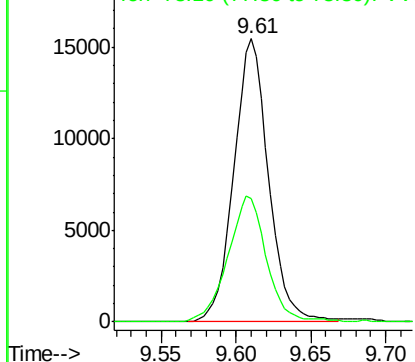


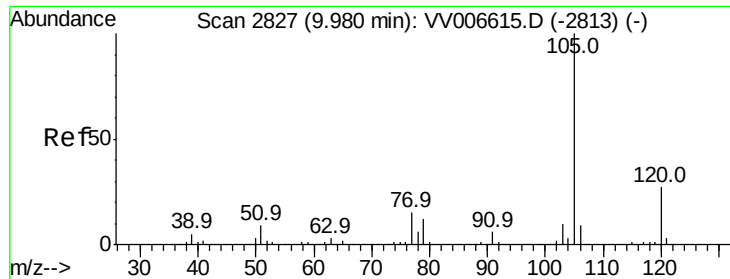
#55
Styrene
Concen: 0.525 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006613.D
Acq: 17 Jul 2018 12:10

Tgt Ion:104 Resp: 24925
Ion Ratio Lower Upper
104 100
78 43.4 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.534 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

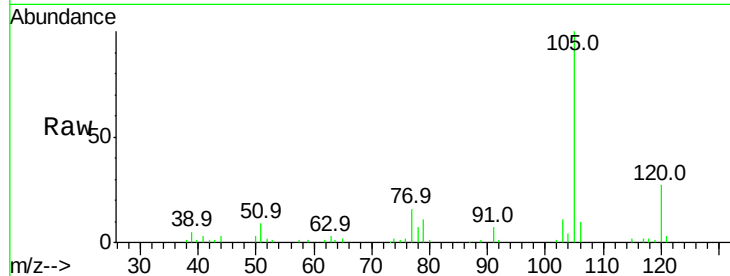
Tgt Ion:105 Resp: 38696

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

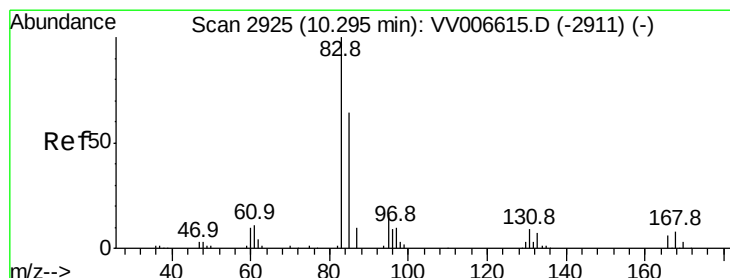
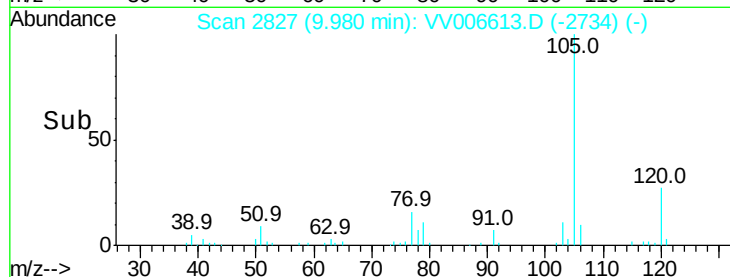
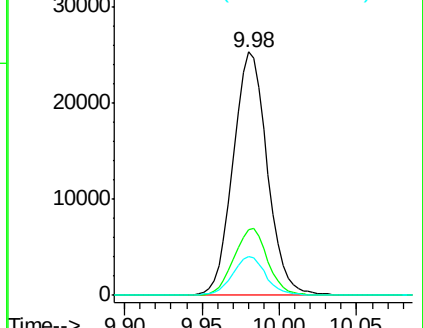
77 15.6 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.634 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

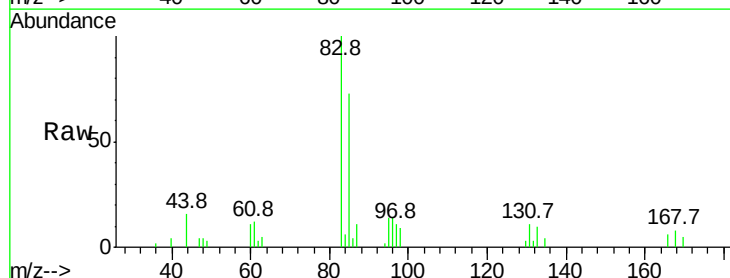
Tgt Ion: 83 Resp: 8683

Ion Ratio Lower Upper

83 100

85 72.6 45.3 84.1

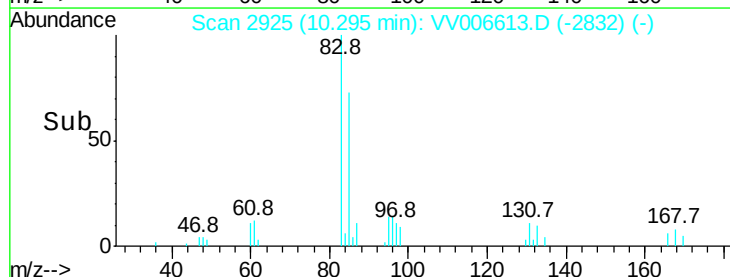
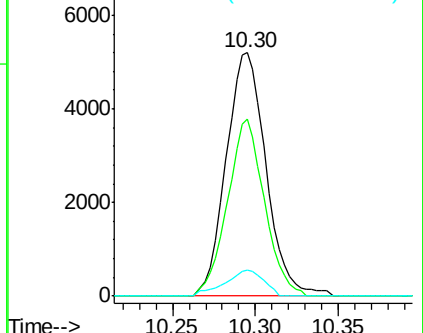
131 10.8 7.7 11.5

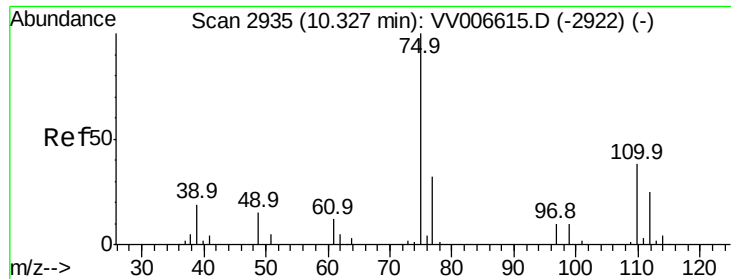


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

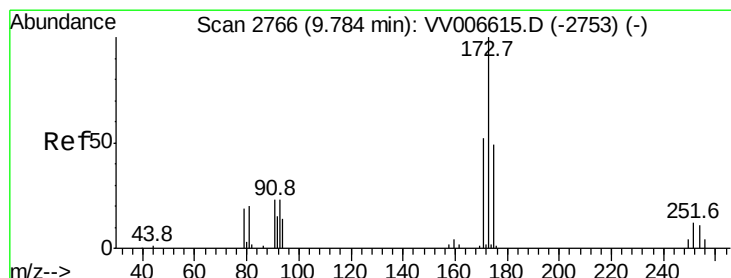
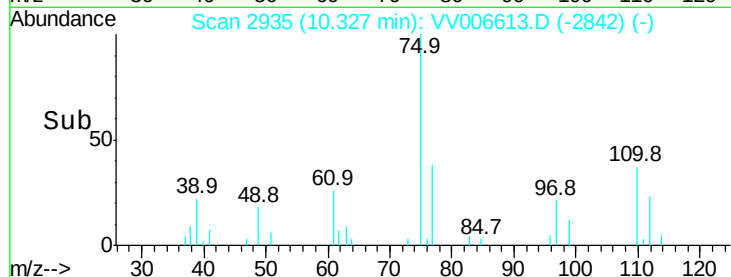
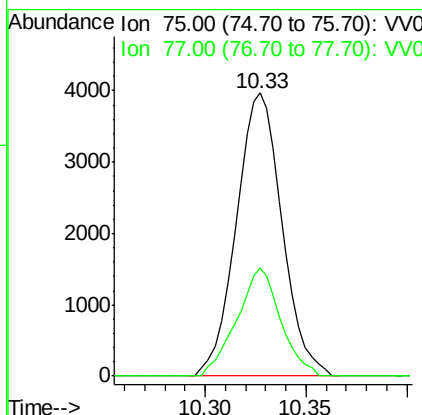
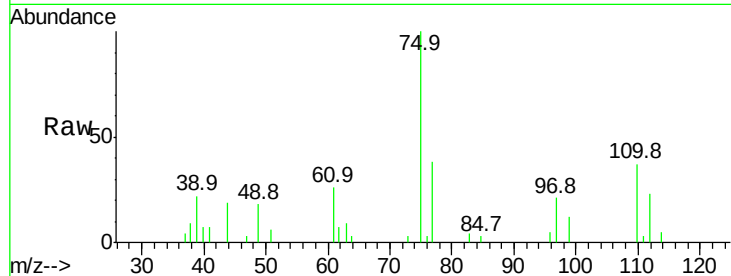




#59
 1,2,3-Trichloropropane
 Concen: 0.638 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

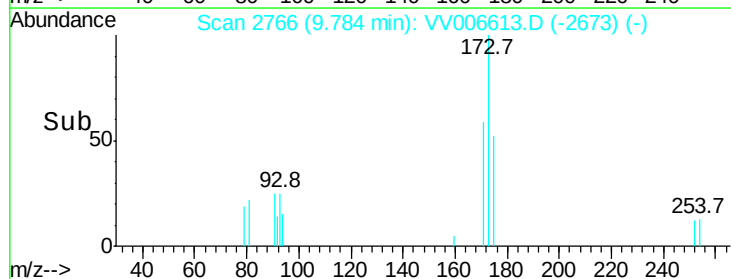
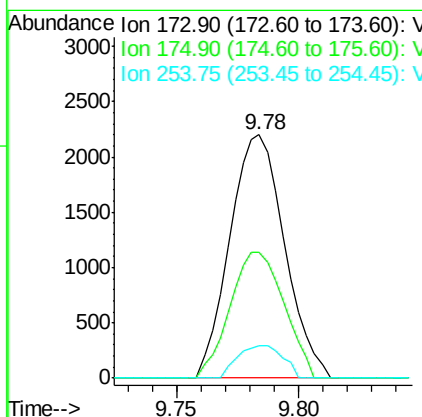
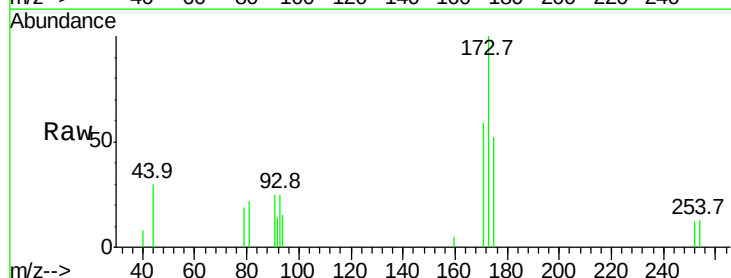
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

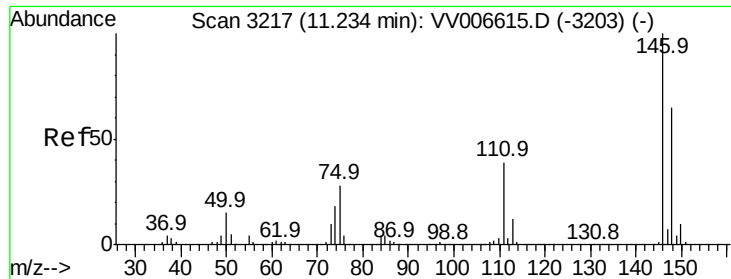
Tgt Ion: 75 Resp: 6291
 Ion Ratio Lower Upper
 75 100
 77 36.5 25.9 38.9



#61
 Bromoform
 Concen: 0.590 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

Tgt Ion: 173 Resp: 3421
 Ion Ratio Lower Upper
 173 100
 175 51.1 39.0 58.6
 254 11.0 8.7 13.1

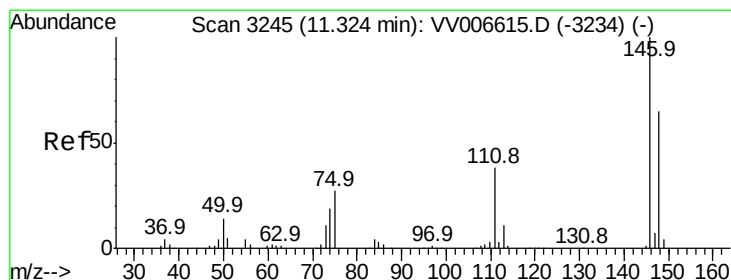
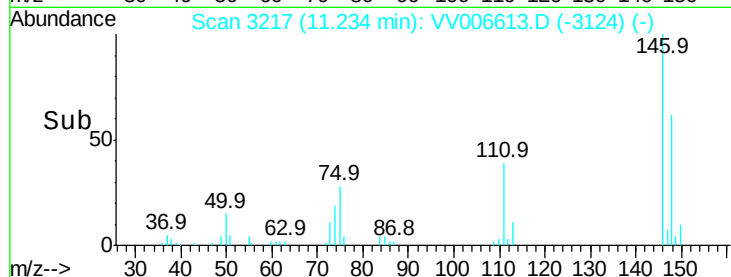
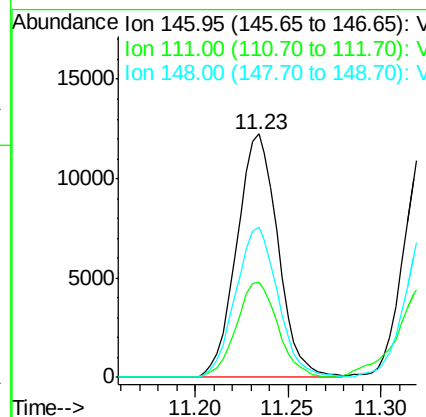
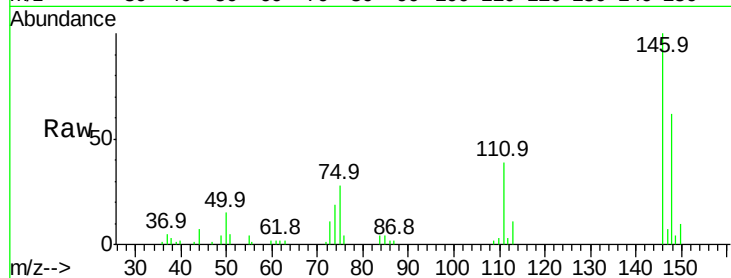




#62
 1,3-Dichlorobenzene
 Concen: 0.592 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

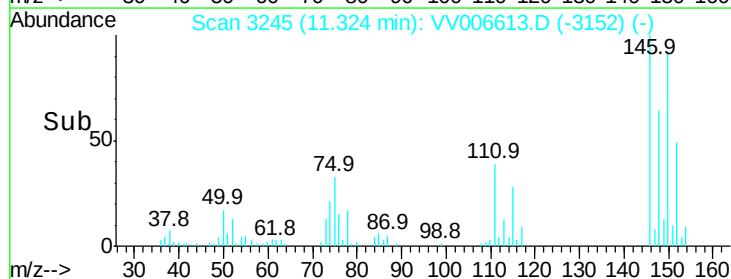
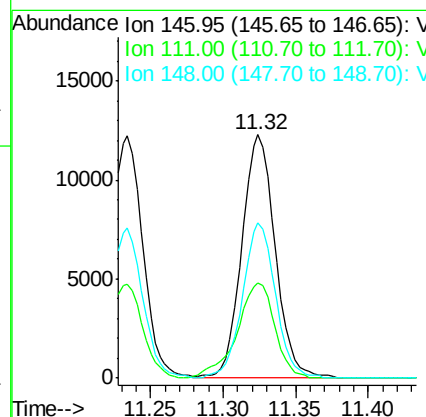
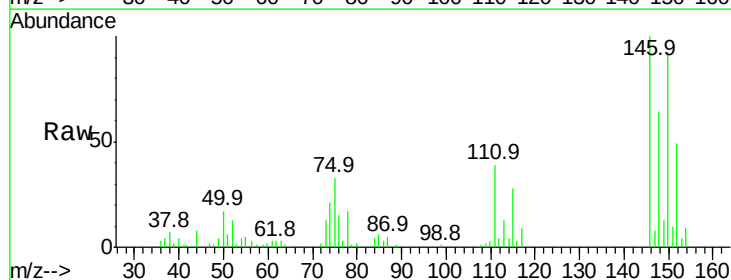
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

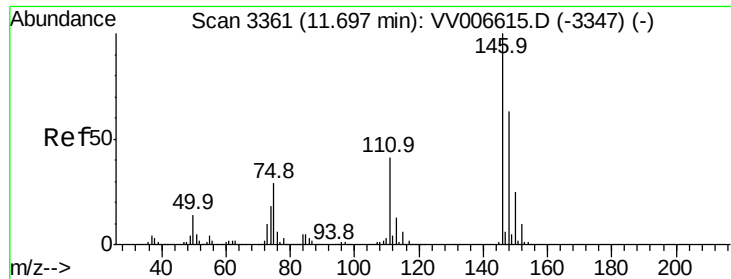
Tgt Ion:146 Resp: 18915
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.4 51.0
 148 61.8 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 0.606 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

Tgt Ion:146 Resp: 19670
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.1 50.3
 148 63.9 45.7 84.9

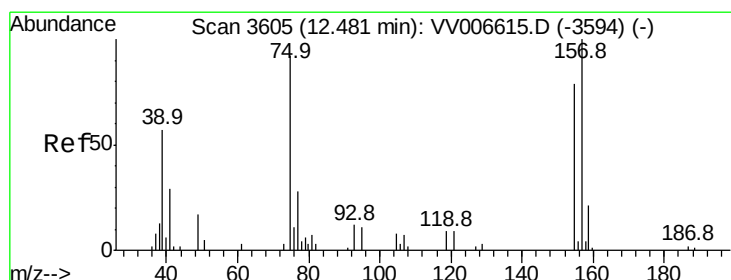
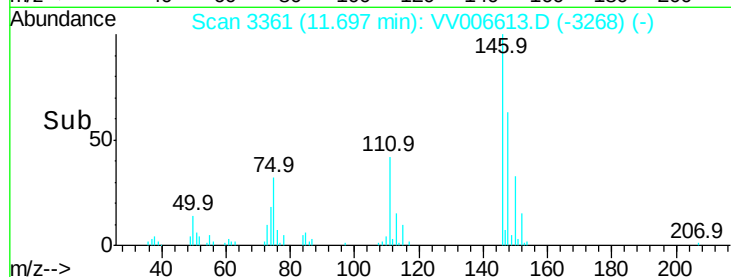
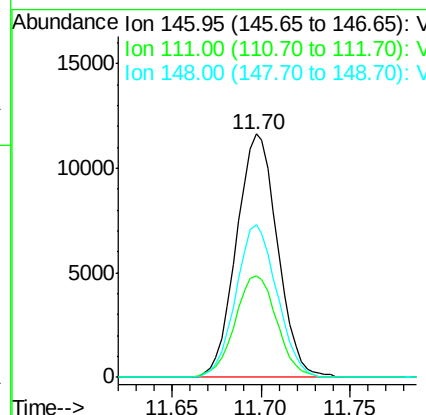
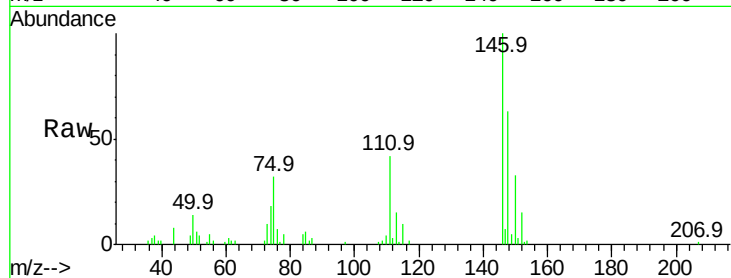




#65
 1,2-Dichlorobenzene
 Concen: 0.603 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

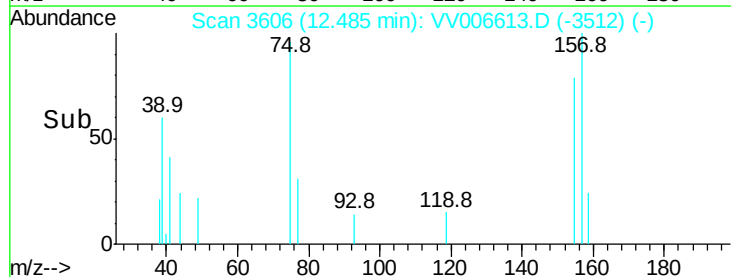
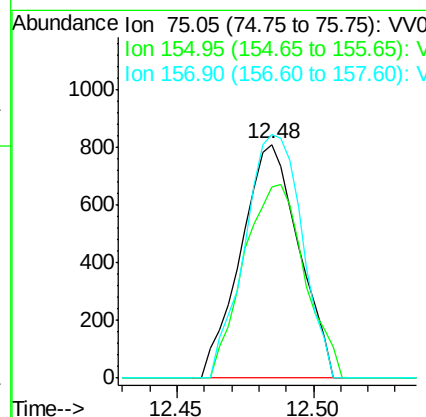
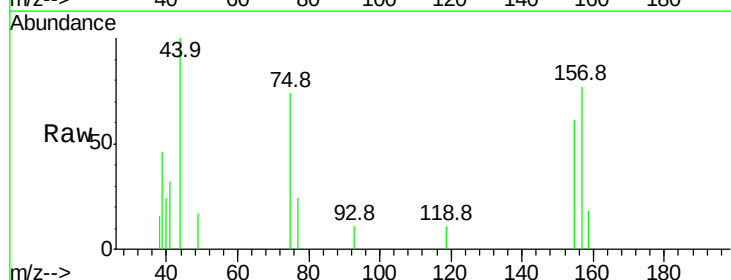
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

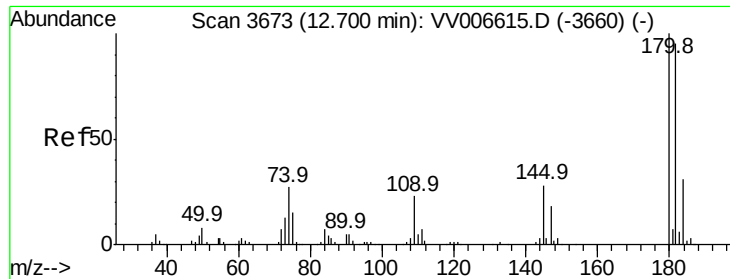
Tgt Ion: 146 Resp: 18618
 Ion Ratio Lower Upper
 146 100
 111 41.9 32.6 48.8
 148 62.9 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.724 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

Tgt Ion: 75 Resp: 1194
 Ion Ratio Lower Upper
 75 100
 155 81.9 68.9 103.3
 157 104.1 87.0 130.6

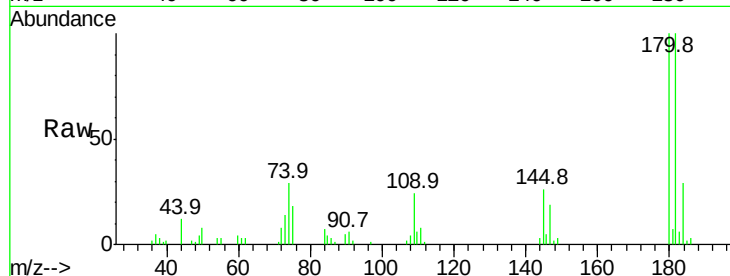




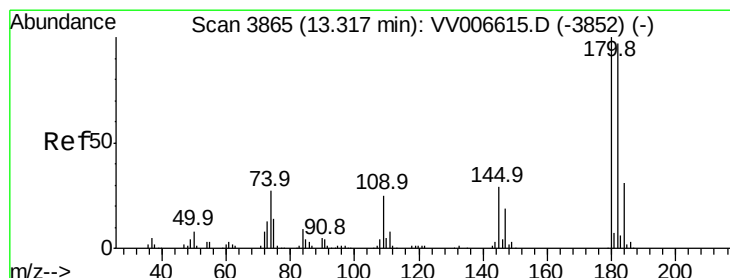
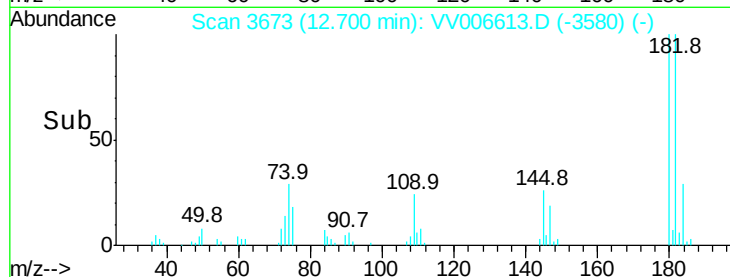
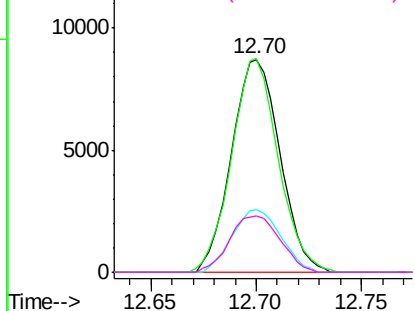
#67
 1,3,5-Trichlorobenzene
 Concen: 0.549 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

Tgt Ion:180 Resp: 13888
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.2 114.2
 184 29.6 24.3 36.5
 145 27.6 23.0 34.4

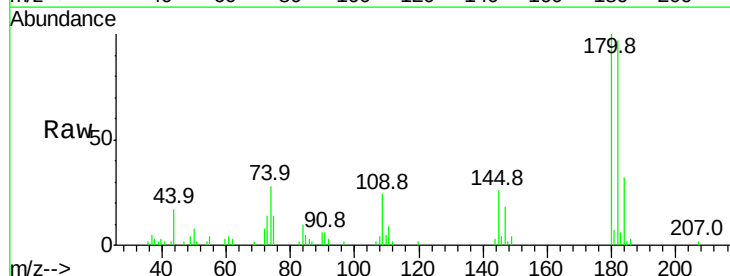


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

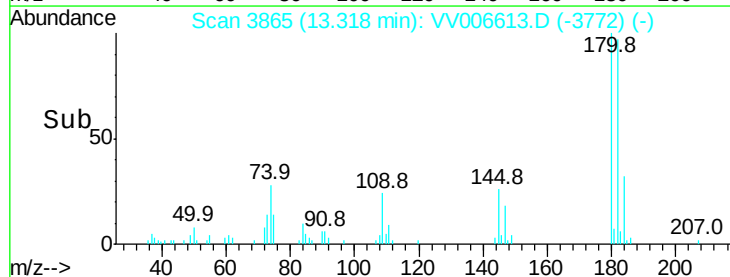
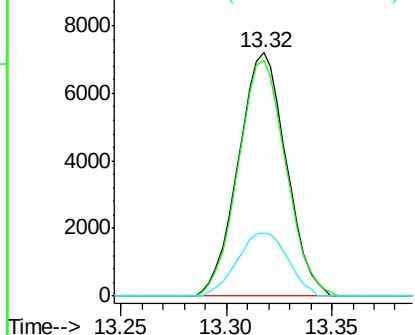


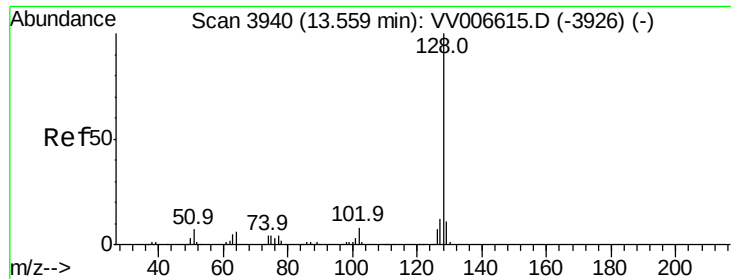
#68
 1,2,4-trichlorobenzene
 Concen: 0.564 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006613.D
 Acq: 17 Jul 2018 12:10

Tgt Ion:180 Resp: 11351
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.6 114.8
 145 27.4 23.4 35.0



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: 0.579 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

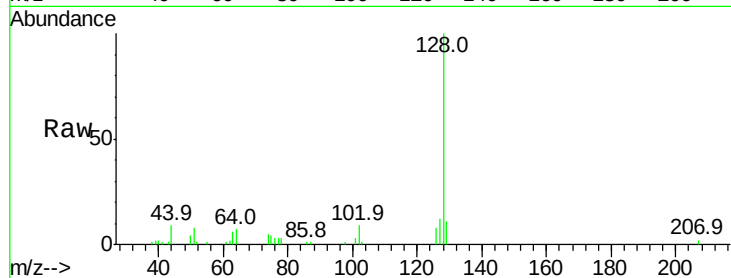
Tgt Ion:128 Resp: 19807

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

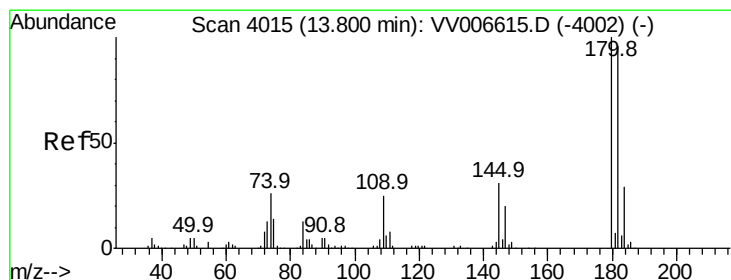
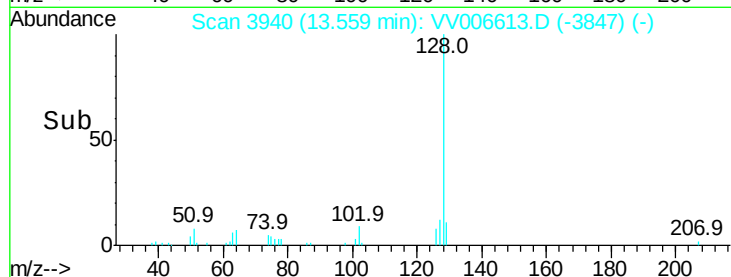
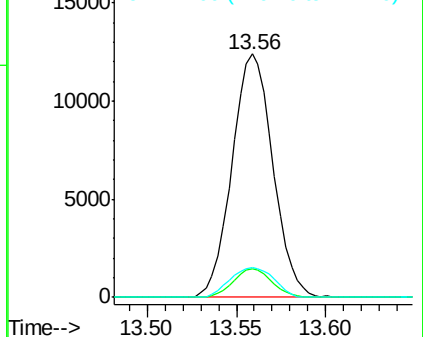
127 13.0 10.1 15.1



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: 0.570 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006613.D

Acq: 17 Jul 2018 12:10

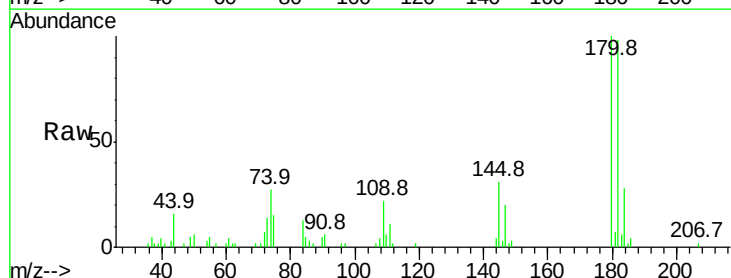
Tgt Ion:180 Resp: 10759

Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.2

145 31.5 24.6 37.0



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

