

Data File : VV006615.D
Acq On : 17 Jul 2018 13:06
Operator : SY/MD
Sample : VSTD00577
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

Quant Time: Jul 17 13:39:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 17 12:39:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	243551	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	226865	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	107849	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	114742	8.67	ug/L	0.00
7) Chloroethane-d5	1.57	69	82880	7.17	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.13	63	195701	7.94	ug/L	0.00
20) 2-Butanone-d5	3.96	46	147203	43.77	ug/L	0.00
24) Chloroform-d	4.41	84	181566	6.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	88484	7.31	ug/L	0.00
32) Benzene-d6	5.10	84	378646	7.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	117143	6.98	ug/L	0.00
41) Toluene-d8	7.36	98	354259	7.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	40969	7.20	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	224018	77.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	92851	7.03	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	124910	6.73	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	88643	4.641 ug/L	99
3) Chloromethane	1.27	50	136076	5.825 ug/L	99
5) Vinyl chloride	1.32	62	145380	6.705 ug/L	99
6) Bromomethane	1.56	94	4367	0.435 ug/L	96
8) Chloroethane	1.59	64	78099	5.934 ug/L	100
9) Trichlorofluoromethane	1.76	101	159459	6.536 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	96531	6.405 ug/L	98
12) 1,1-Dichloroethene	2.14	96	96525	6.330 ug/L	96
13) Acetone	2.19	43	153636	72.226 ug/L	96
14) Carbon disulfide	2.32	76	296346	6.498 ug/L	100
15) Methyl Acetate	2.46	43	45173	7.214 ug/L	96
16) Methylene chloride	2.54	84	109375	6.361 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	245338	6.792 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	106725	6.415 ug/L	98
19) 1,1-Dichloroethane	3.23	63	198907	6.889 ug/L	99
21) 2-Butanone	4.04	43	281257	80.586 ug/L	94
22) cis-1,2-Dichloroethene	3.97	96	111456	6.236 ug/L	97
23) Bromochloromethane	4.30	128	46481	6.349 ug/L	94
25) Chloroform	4.43	83	184171	6.413 ug/L	100
27) 1,2-Dichloroethane	5.19	62	109212	6.696 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	149502	6.290 ug/L	99
30) Cyclohexane	4.72	56	159117	6.291 ug/L	96
31) Carbon tetrachloride	4.88	117	124035	6.237 ug/L	99
33) Benzene	5.15	78	430907	6.364 ug/L	100
34) Trichloroethene	5.96	95	104660	6.026 ug/L	99
35) Methylcyclohexane	6.18	83	169319	6.054 ug/L	98
37) 1,2-Dichloropropane	6.23	63	107942	6.518 ug/L	100
38) Bromodichloromethane	6.56	83	120466	6.451 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	143696	6.464 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	635198	75.667 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	445858	6.331	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	112001	6.527	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	74815	6.456	ug/L	97
47) Tetrachloroethene	8.02	164	85416	5.981	ug/L	98
48) 2-Hexanone	8.19	43	453583	76.202	ug/L	97
49) Dibromochloromethane	8.30	129	77476	6.411	ug/L	99
50) 1,2-Dibromoethane	8.40	107	67616	6.410	ug/L	97
51) Chlorobenzene	8.93	112	283702	6.158	ug/L	99
52) Ethylbenzene	9.06	91	469224	6.271	ug/L	99
53) m,p-xylene	9.19	106	181208	6.285	ug/L	97
54) o-xylene	9.59	106	177161	6.278	ug/L	97
55) Styrene	9.61	104	308005	6.491	ug/L	99
56) Isopropylbenzene	9.98	105	454154	6.275	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.30	83	92659	6.777	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	67113	6.810	ug/L	99
61) Bromoform	9.78	173	39620	6.413	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	209220	6.151	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	211164	6.107	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	207360	6.311	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12735	7.253	ug/L	88
67) 1,3,5-Trichlorobenzene	12.70	180	161888	6.007	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	132308	6.171	ug/L	100
69) Naphthalene	13.56	128	246039	6.758	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	127214	6.329	ug/L	100

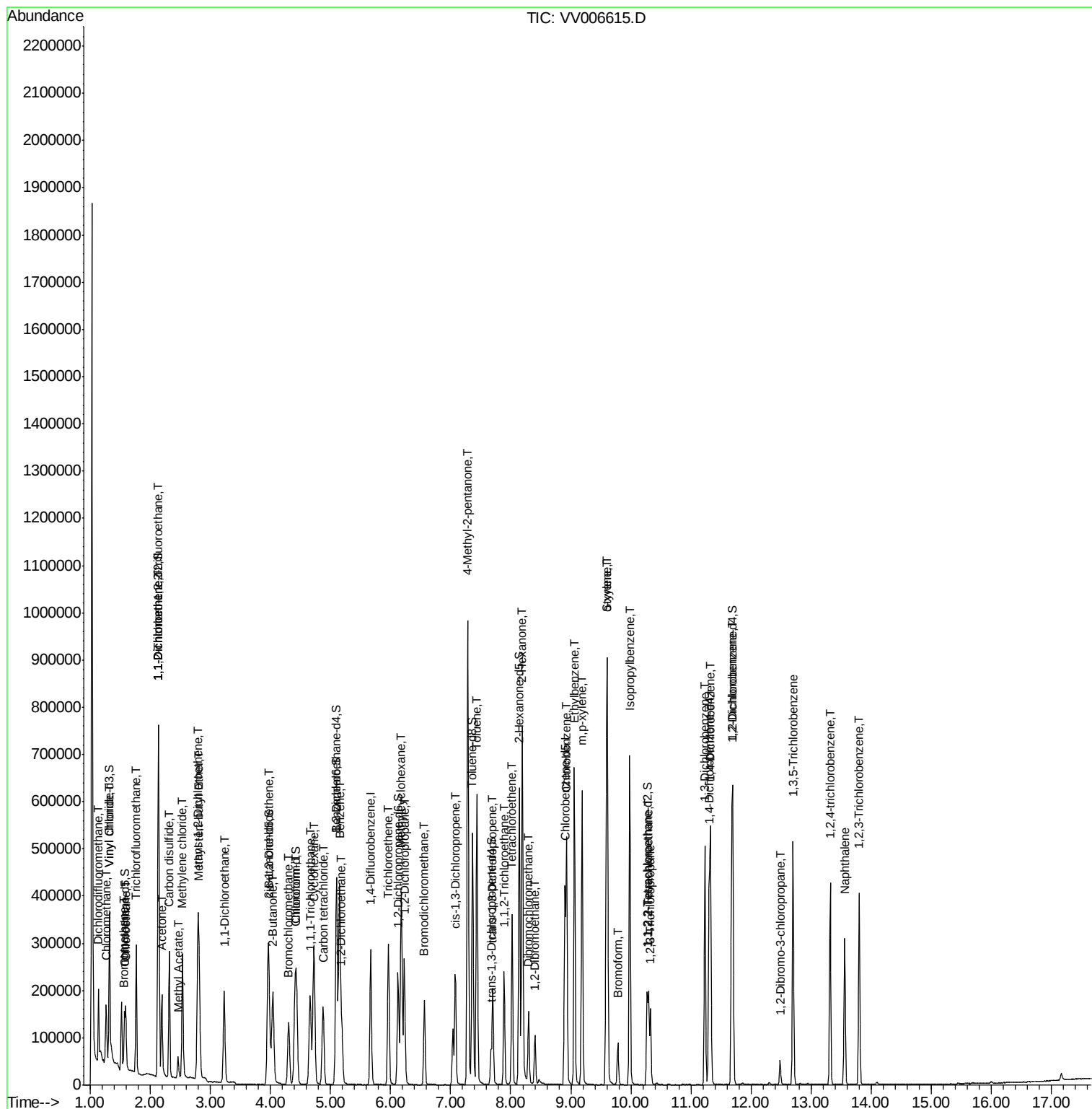
(#) = qualifier out of range (m) = manual integration (+) = signals summed

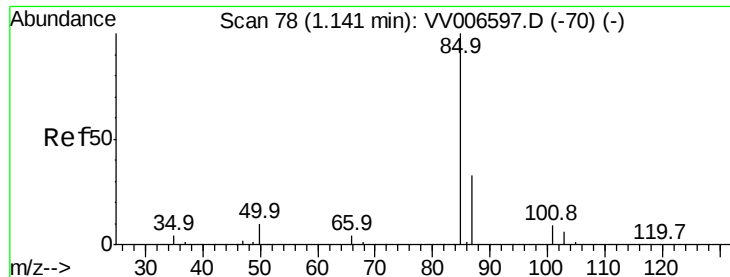
Data File : VV006615.D

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#2

Dichlorodifluoromethane

Concen: 4.641 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

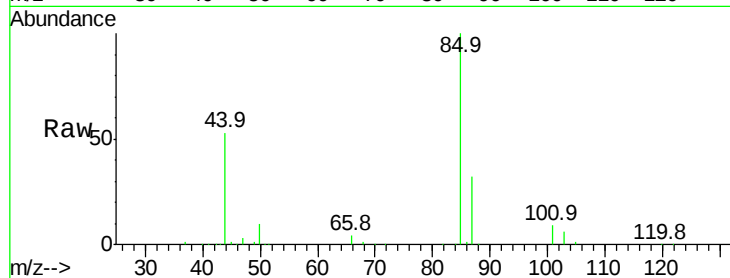
VSTD00577

Tgt Ion: 85 Resp: 88643

Ion Ratio Lower Upper

85 100

87 31.6 25.7 38.5

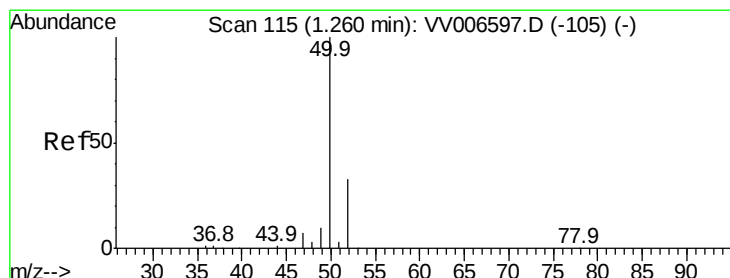
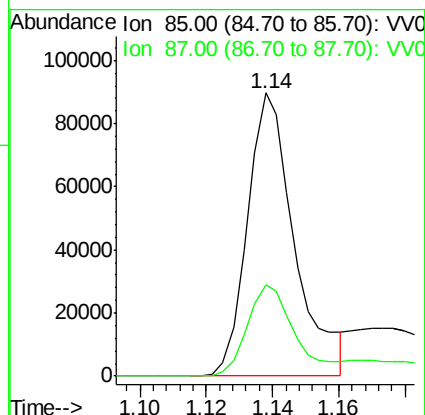
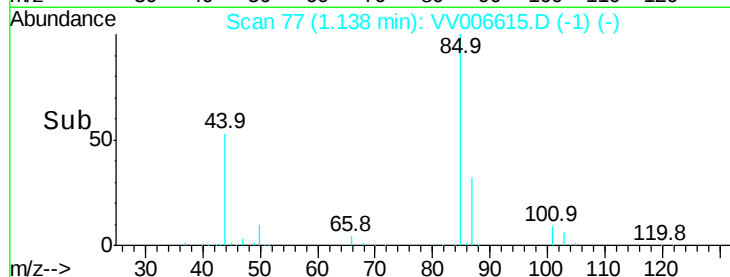


Abundance Ion 85.00 (84.70 to 85.70): VV006615.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006615.D (-70) (-)

1.14

1.16



#3

Chloromethane

Concen: 5.825 ug/L

RT: 1.27 min Scan# 117

Delta R.T. 0.01 min

Lab File: VV006615.D

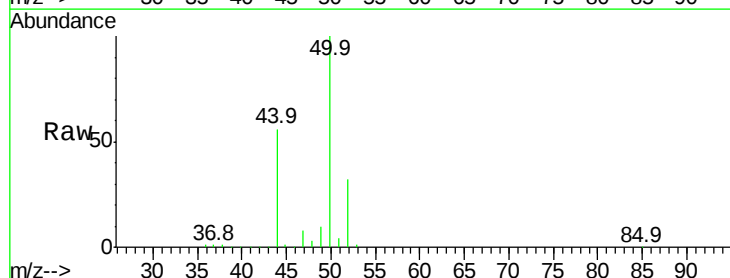
Acq: 17 Jul 2018 13:06

Tgt Ion: 50 Resp: 136076

Ion Ratio Lower Upper

50 100

52 32.3 22.9 42.5

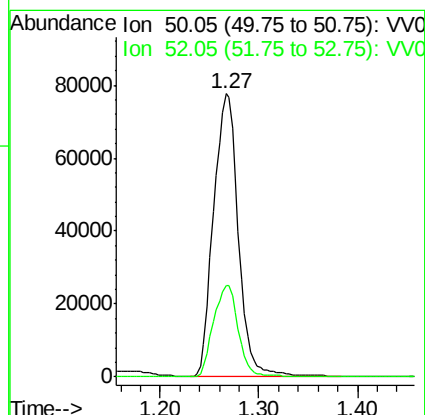
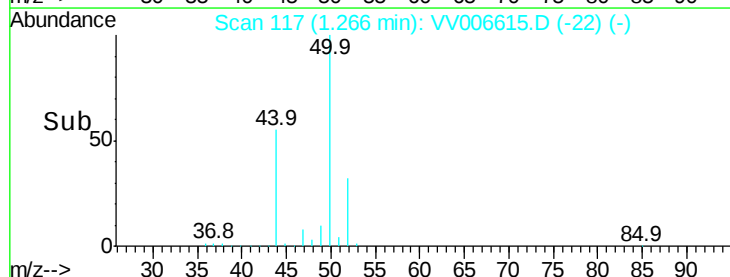


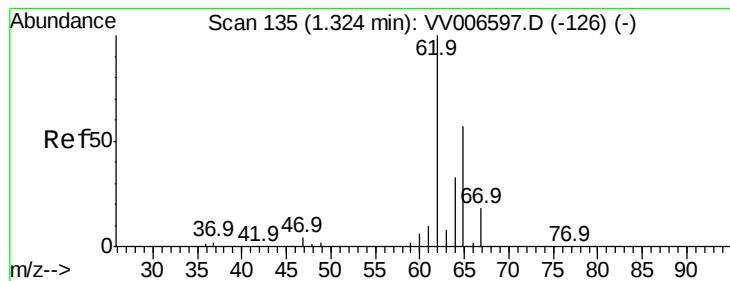
Abundance Ion 50.05 (49.75 to 50.75): VV006615.D (-105) (-)

Ion 52.05 (51.75 to 52.75): VV006615.D (-105) (-)

1.27

1.40





#5

Vinyl chloride

Concen: 6.705 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

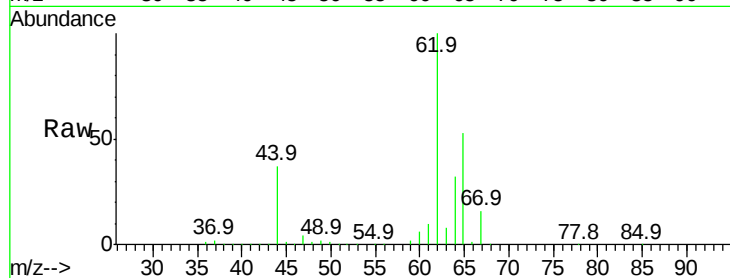
VSTD00577

Tgt Ion: 62 Resp: 145380

Ion Ratio Lower Upper

62 100

64 32.3 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

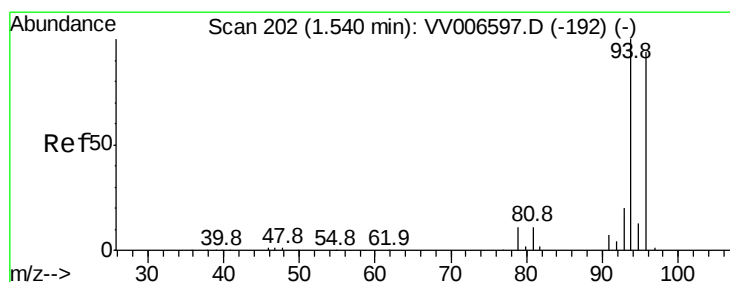
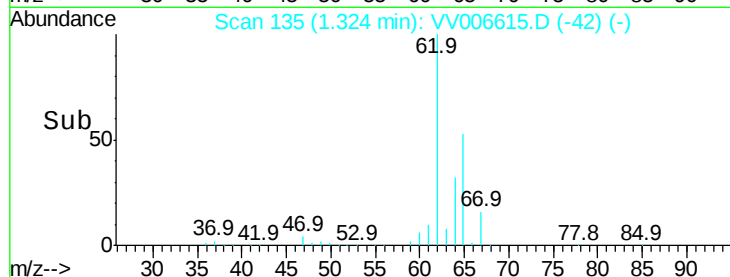
1.32

100000

50000

0

Time-->



#6

Bromomethane

Concen: 0.435 ug/L

RT: 1.56 min Scan# 207

Delta R.T. 0.02 min

Lab File: VV006615.D

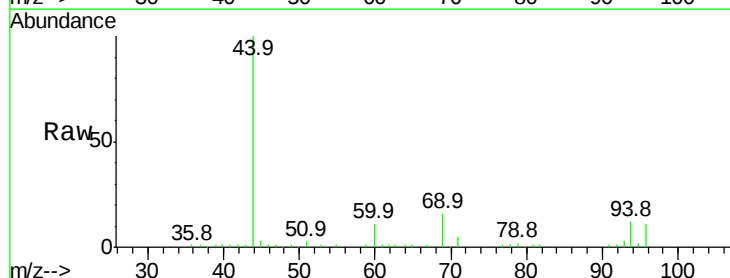
Acq: 17 Jul 2018 13:06

Tgt Ion: 94 Resp: 4367

Ion Ratio Lower Upper

94 100

96 98.0 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.56

50000

40000

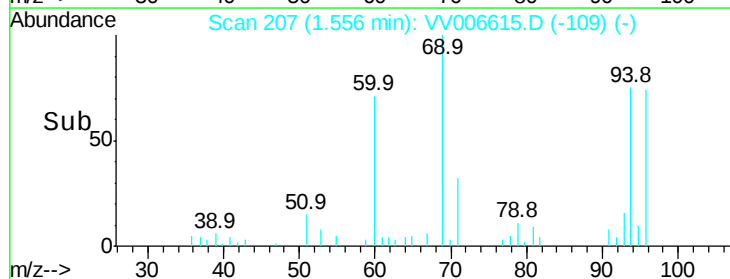
30000

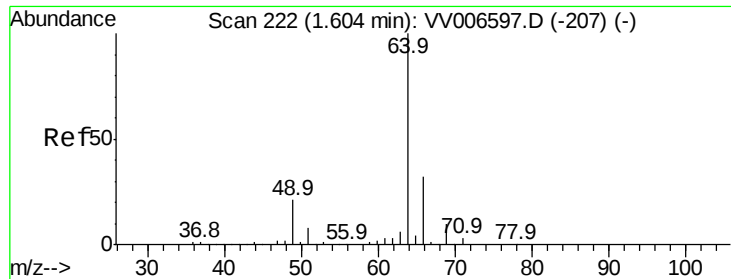
20000

10000

0

Time-->





#8

Chloroethane

Concen: 5.934 ug/L

RT: 1.59 min Scan# 218

Delta R.T. -0.01 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

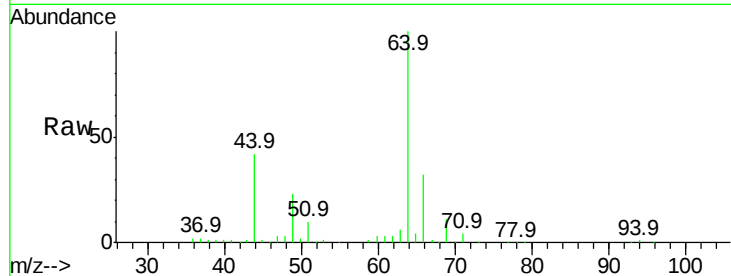
VSTD00577

Tgt Ion: 64 Resp: 78099

Ion Ratio Lower Upper

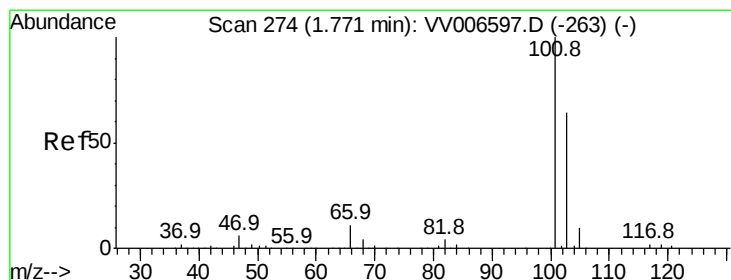
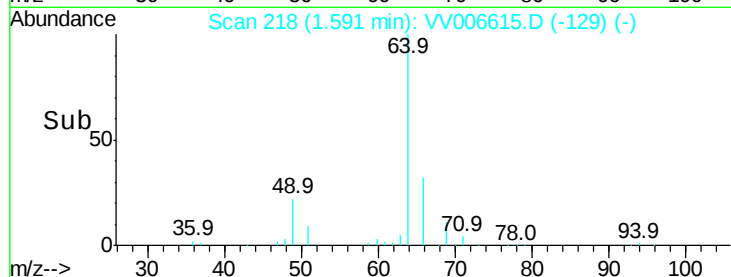
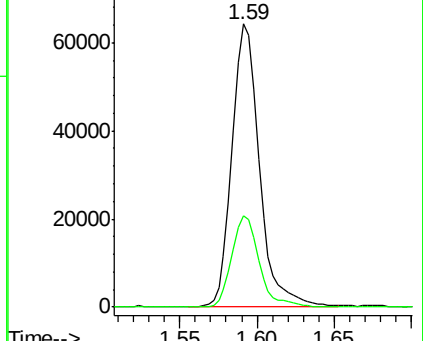
64 100

66 32.2 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006615.D (-218) (-)

Ion 66.05 (65.75 to 66.75): VV006615.D (-218) (-)



#9

Trichlorofluoromethane

Concen: 6.536 ug/L

RT: 1.76 min Scan# 272

Delta R.T. -0.01 min

Lab File: VV006615.D

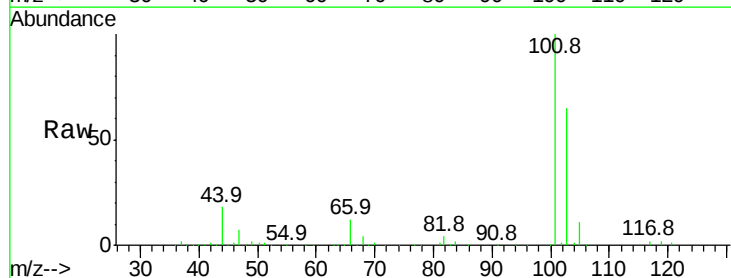
Acq: 17 Jul 2018 13:06

Tgt Ion: 101 Resp: 159459

Ion Ratio Lower Upper

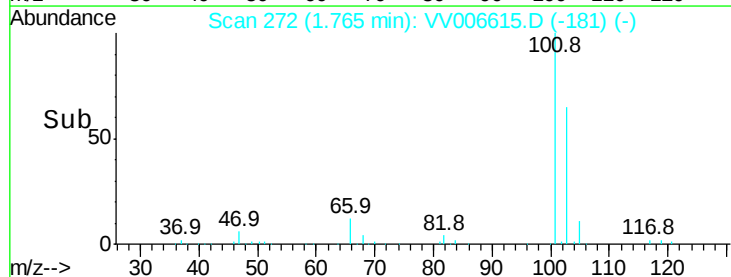
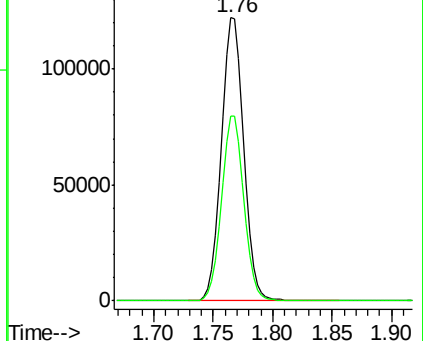
101 100

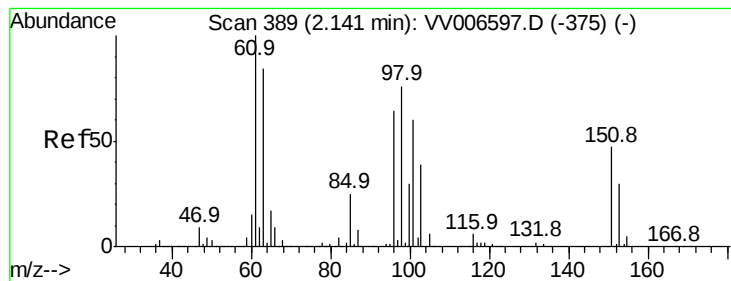
103 64.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006615.D (-272) (-)

Ion 103.00 (102.70 to 103.70): VV006615.D (-272) (-)





#10

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

Concen: 6.405 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

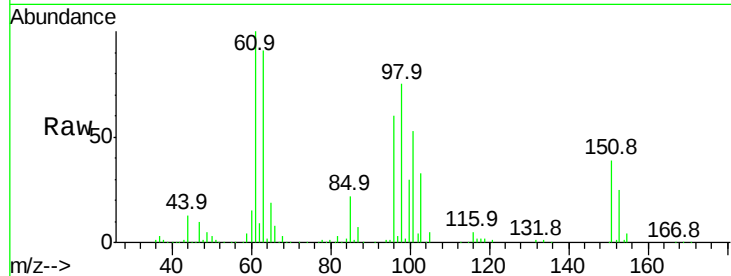
Tgt Ion: 101 Resp: 96531

Ion Ratio Lower Upper

101 100

85 42.4 33.1 49.7

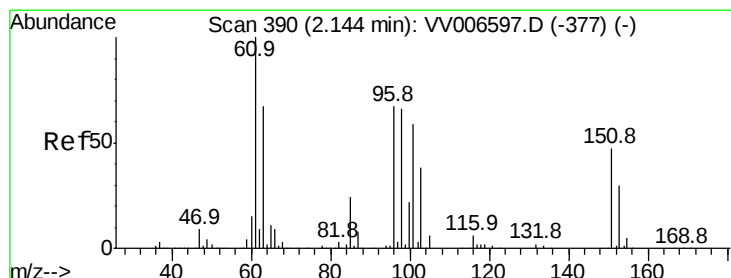
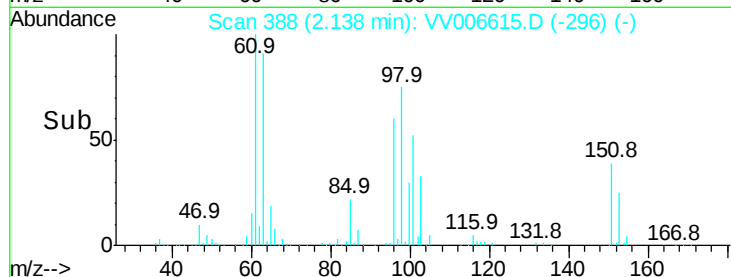
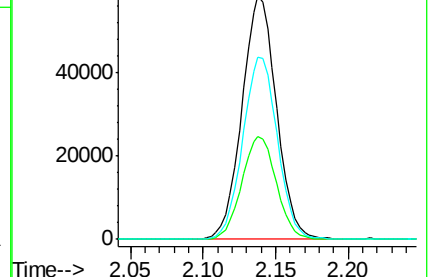
151 75.6 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): VV006615.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006615.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006615.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 6.330 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

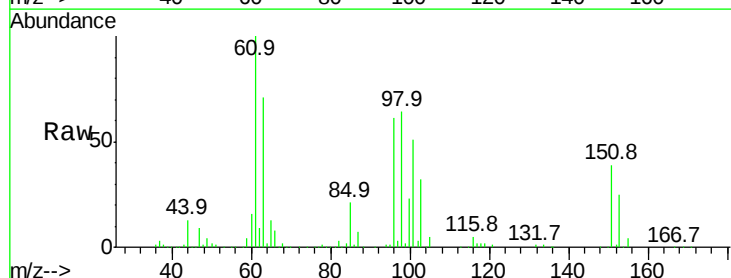
Tgt Ion: 96 Resp: 96525

Ion Ratio Lower Upper

96 100

61 164.2 110.7 205.7

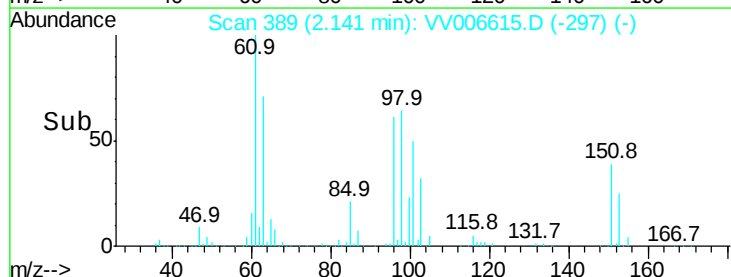
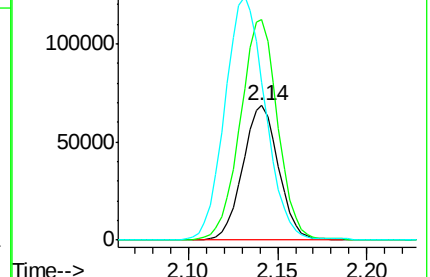
63 117.0 79.0 146.8

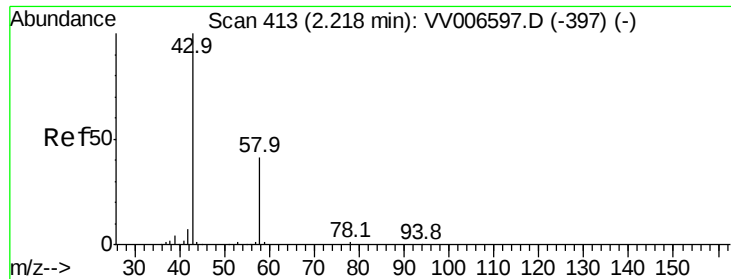


Abundance Ion 96.00 (95.70 to 96.70): VV006615.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006615.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006615.D (-297) (-)





#13

Acetone

Concen: 72.226 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.03 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampled :

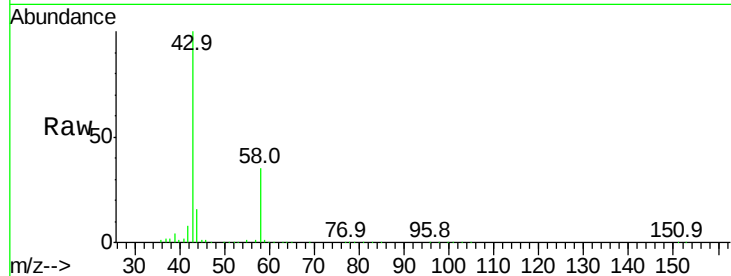
VSTD00577

Tgt Ion: 43 Resp: 153636

Ion Ratio Lower Upper

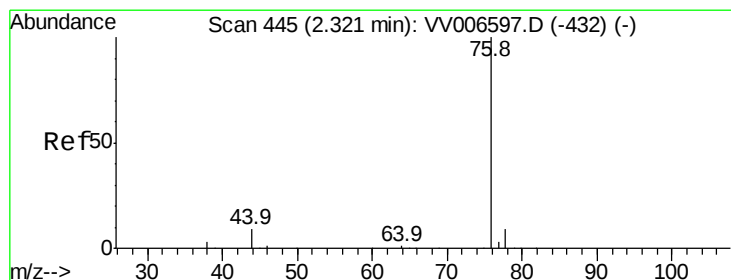
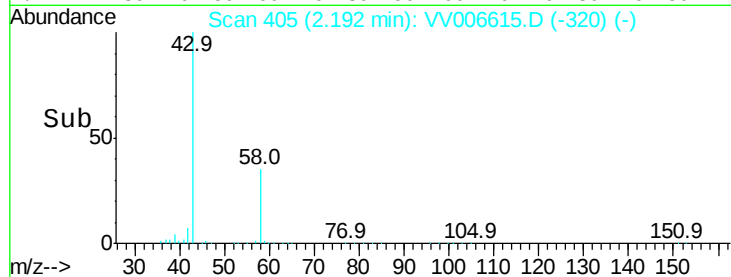
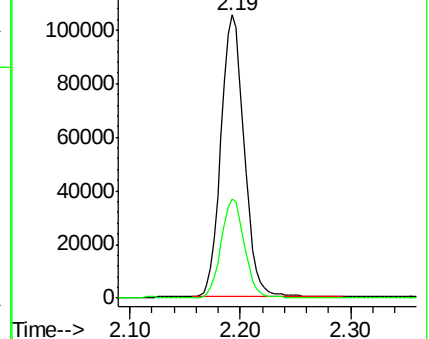
43 100

58 35.4 0.0 76.2



Abundance Ion 43.05 (42.75 to 43.75): VV006615.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VV006615.D (-320) (-)



#14

Carbon disulfide

Concen: 6.498 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006615.D

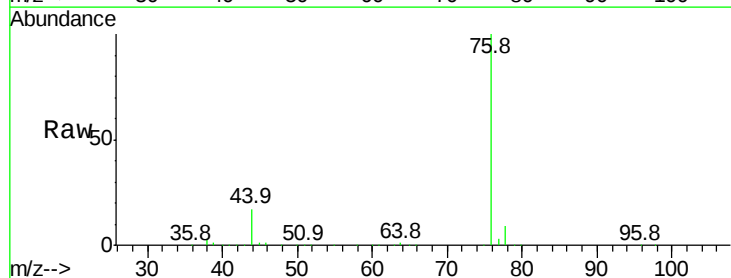
Acq: 17 Jul 2018 13:06

Tgt Ion: 76 Resp: 296346

Ion Ratio Lower Upper

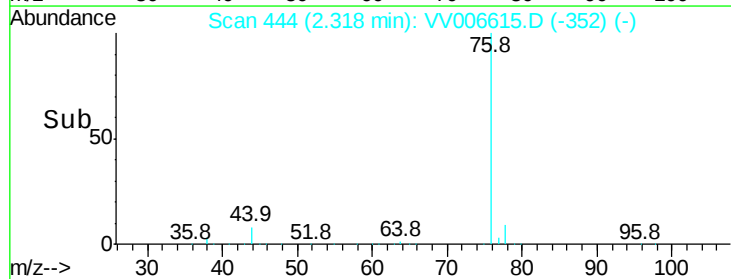
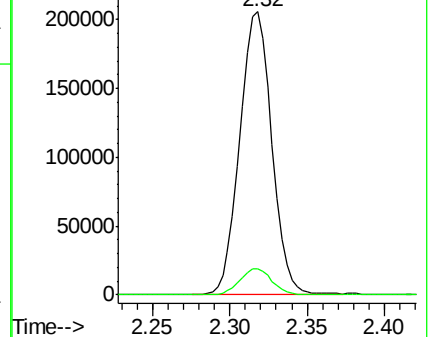
76 100

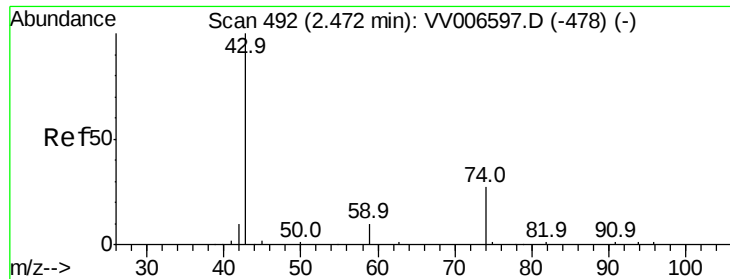
78 9.4 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV006615.D (-352) (-)

Ion 78.00 (77.70 to 78.70): VV006615.D (-352) (-)

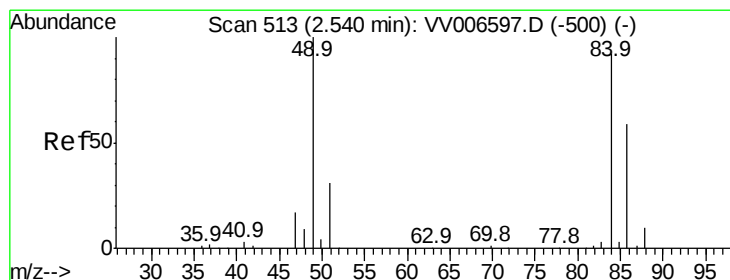
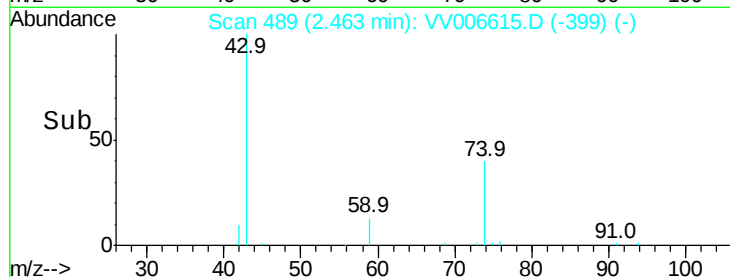
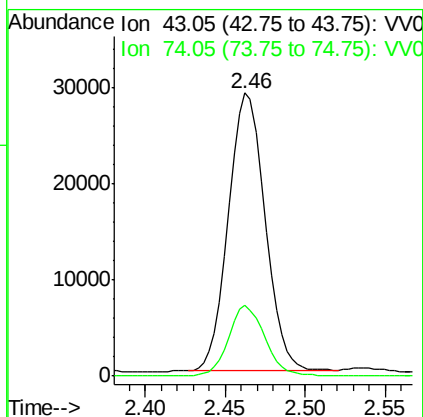
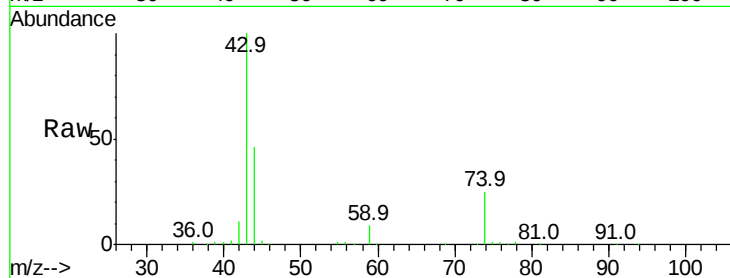




#15
Methyl Acetate
Concen: 7.214 ug/L
RT: 2.46 min Scan# 489
Delta R.T. -0.01 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

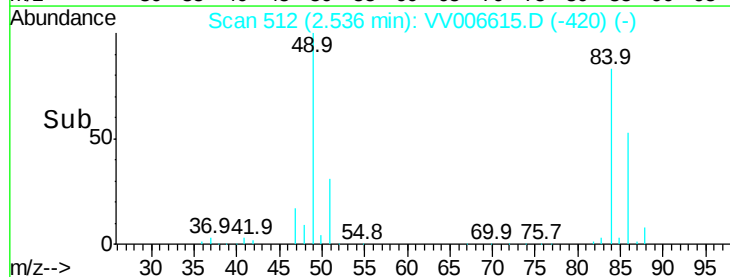
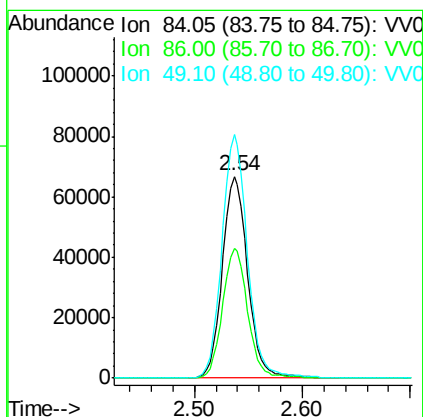
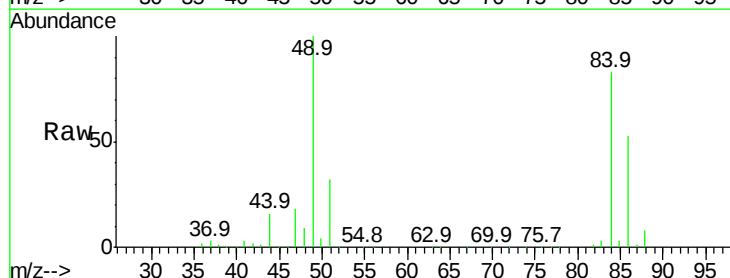
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

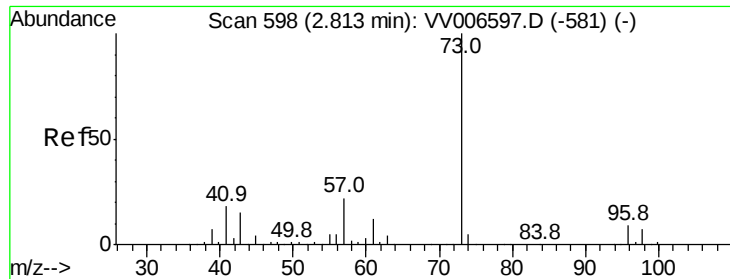
Tgt Ion: 43 Resp: 45173
Ion Ratio Lower Upper
43 100
74 25.3 21.8 32.6



#16
Methylene chloride
Concen: 6.361 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

Tgt Ion: 84 Resp: 109375
Ion Ratio Lower Upper
84 100
86 64.6 44.7 82.9
49 120.7 78.7 146.1





#17

Methyl tert-butyl Ether

Concen: 6.792 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

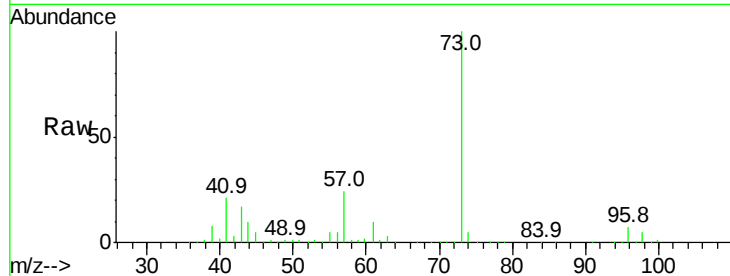
Tgt Ion: 73 Resp: 245338

Ion Ratio Lower Upper

73 100

43 17.1 12.5 18.7

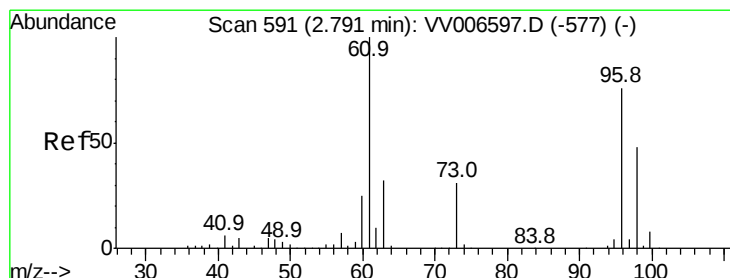
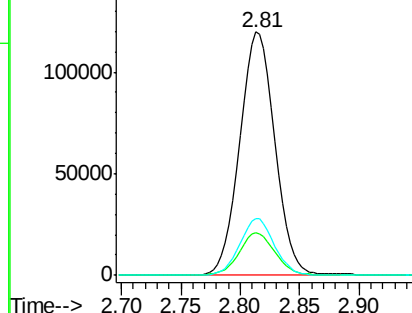
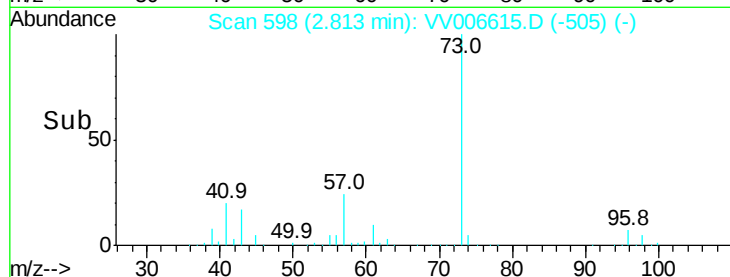
57 23.0 17.7 26.5



Abundance Ion 73.10 (72.80 to 73.80): VV006615.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006615.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006615.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 6.415 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

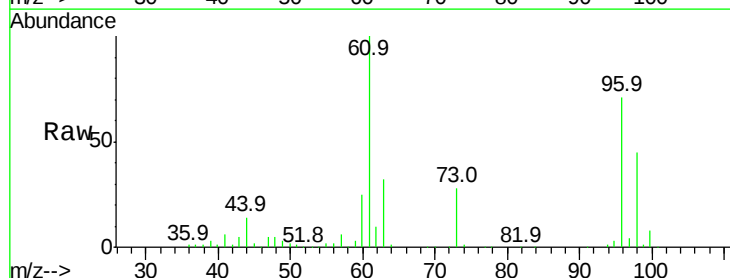
Tgt Ion: 96 Resp: 106725

Ion Ratio Lower Upper

96 100

61 140.1 96.5 179.3

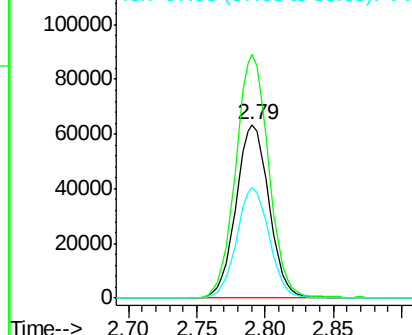
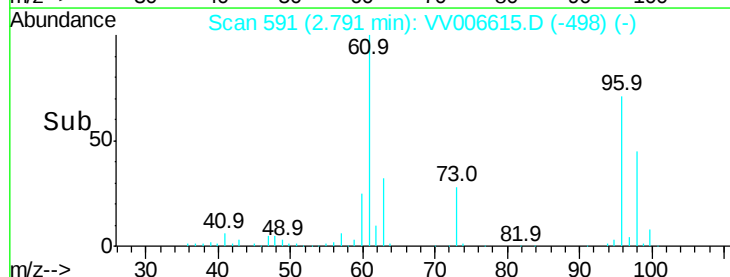
98 63.4 45.1 83.7

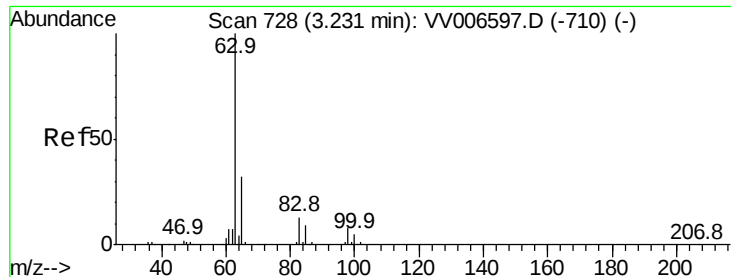


Abundance Ion 96.00 (95.70 to 96.70): VV006615.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006615.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006615.D (-498) (-)

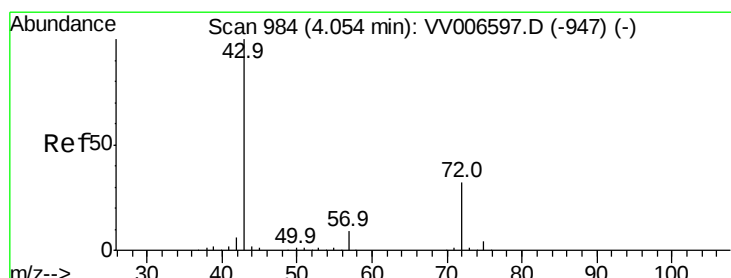
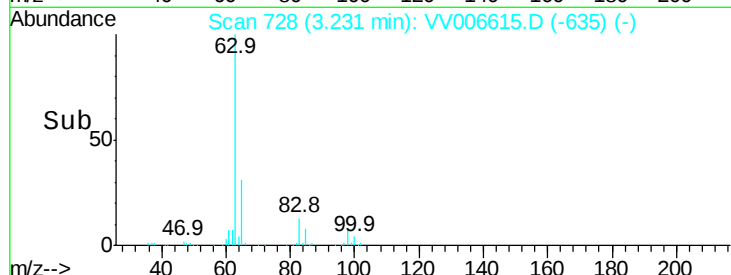
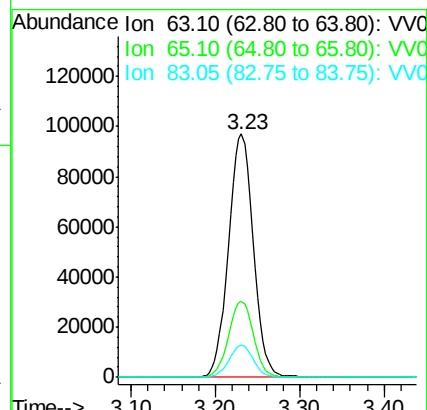
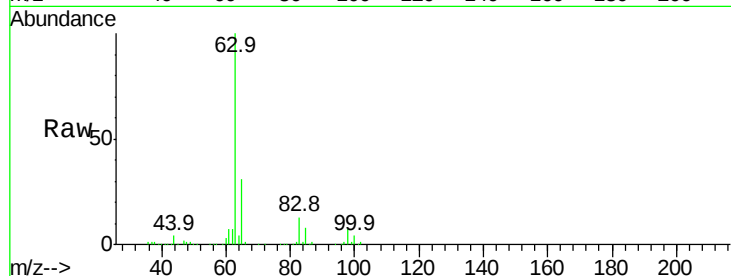




#19
 1,1-Dichloroethane
 Concen: 6.889 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006615.D
 Acq: 17 Jul 2018 13:06

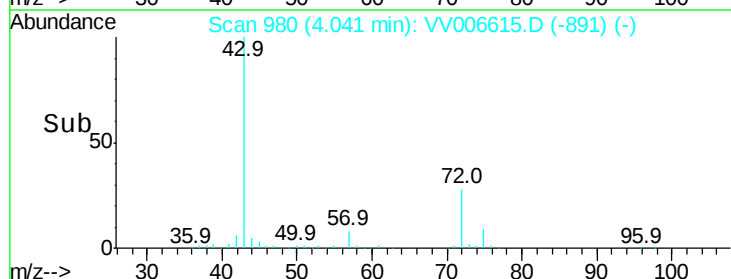
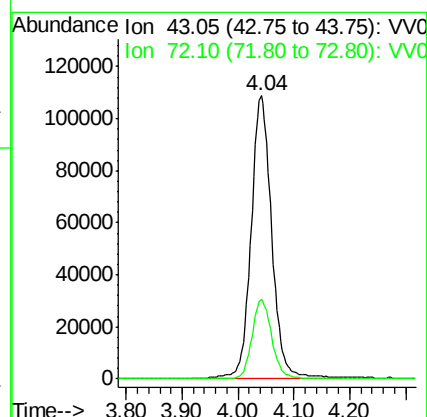
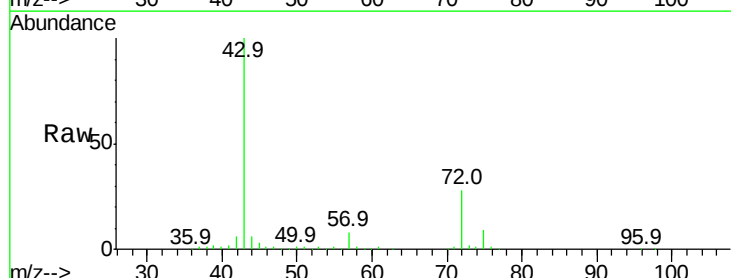
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

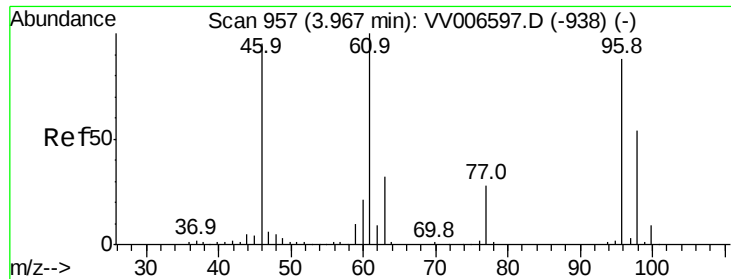
Tgt Ion: 63 Resp: 198907
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.0 41.0
 83 13.3 9.5 17.7



#21
 2-Butanone
 Concen: 80.586 ug/L
 RT: 4.04 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VV006615.D
 Acq: 17 Jul 2018 13:06

Tgt Ion: 43 Resp: 281257
 Ion Ratio Lower Upper
 43 100
 72 26.7 15.1 45.3



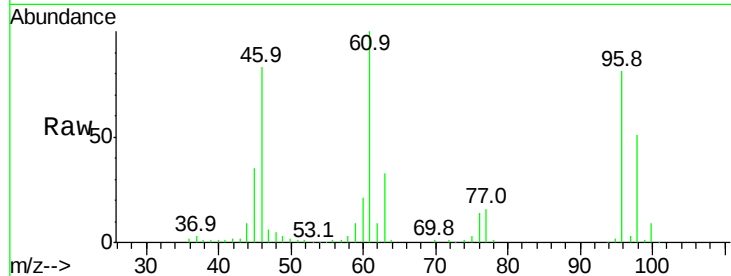


#22

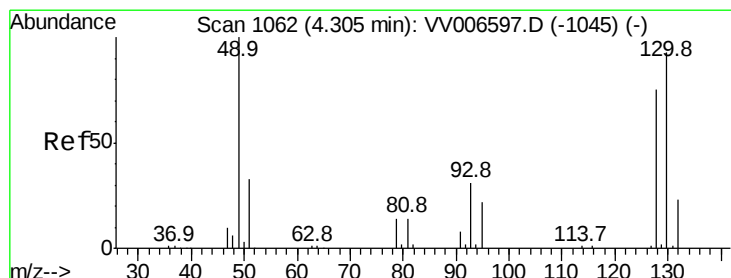
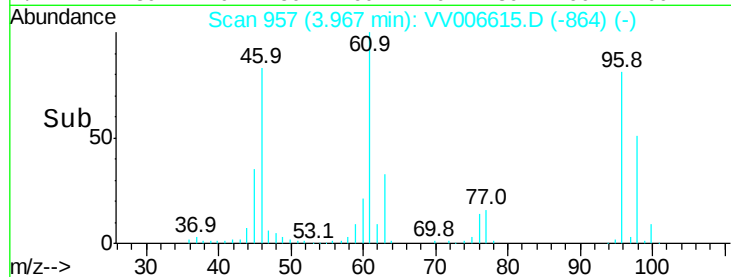
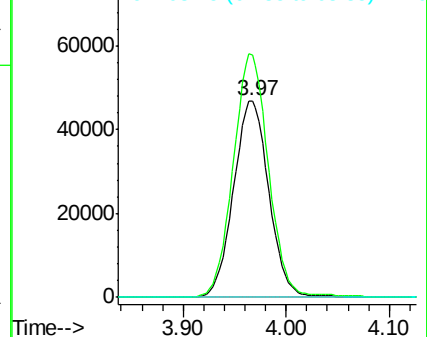
cis-1,2-Dichloroethene
Concen: 6.236 ug/L
RT: 3.97 min Scan# 957
Delta R.T. -0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

Tgt Ion: 96 Resp: 111456
Ion Ratio Lower Upper
96 100
61 123.2 83.8 155.6
68 0.0 0.0 0.0



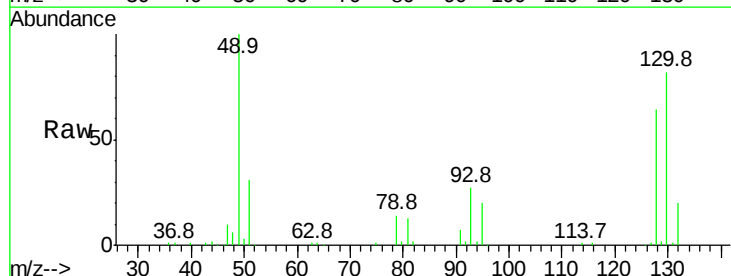
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



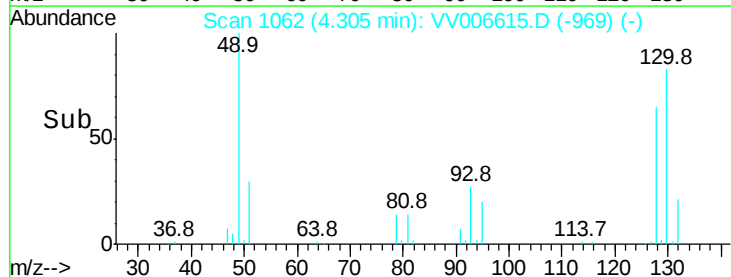
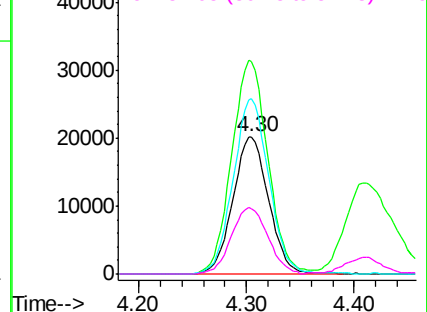
#23

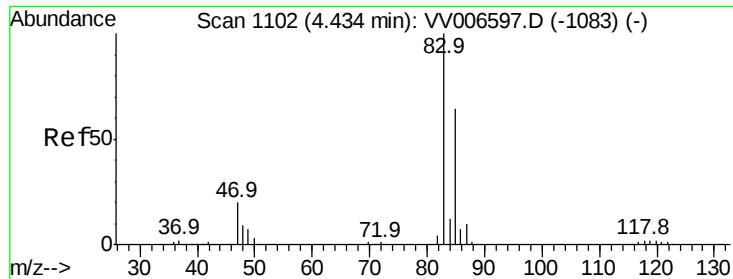
Bromochloromethane
Concen: 6.349 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

Tgt Ion: 128 Resp: 46481
Ion Ratio Lower Upper
128 100
49 155.1 98.8 183.4
130 127.7 89.5 166.1
51 47.8 36.2 54.2



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

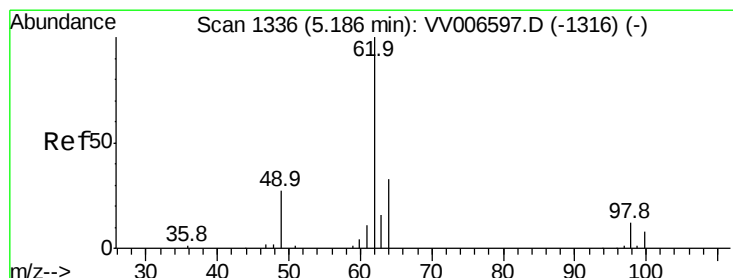
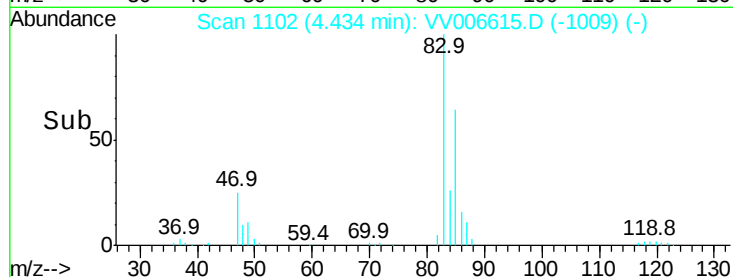
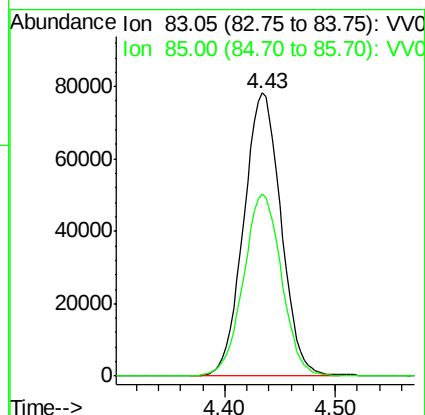
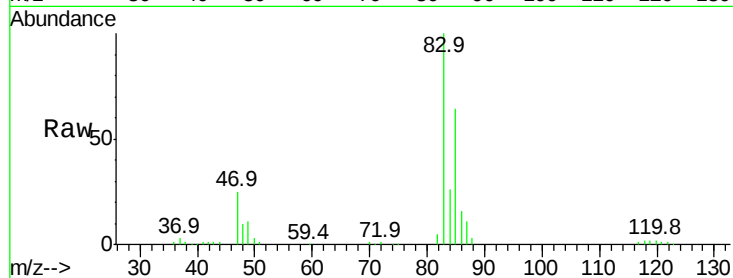




#25
Chloroform
Concen: 6.413 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

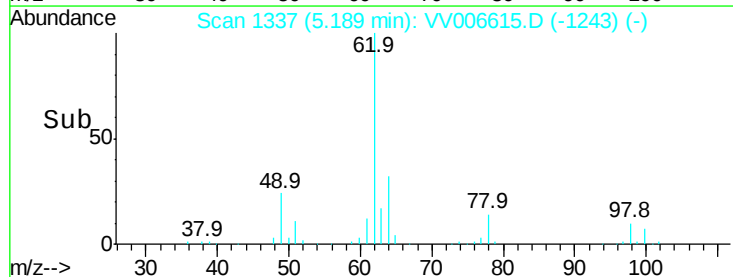
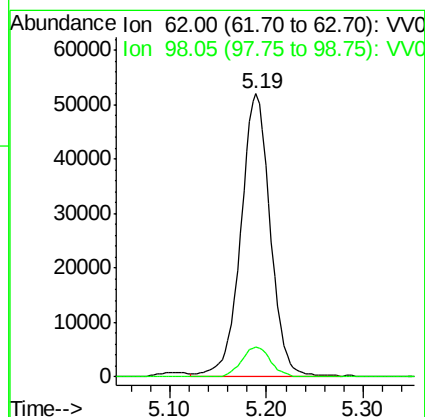
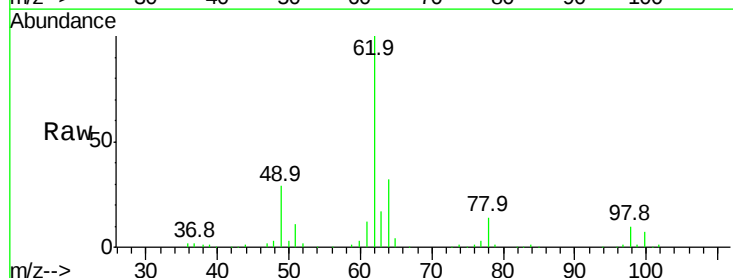
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

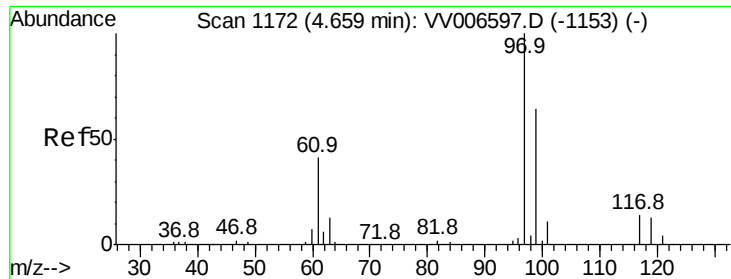
Tgt Ion: 83 Resp: 184171
Ion Ratio Lower Upper
83 100
85 64.2 44.8 83.2



#27
1,2-Dichloroethane
Concen: 6.696 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

Tgt Ion: 62 Resp: 109212
Ion Ratio Lower Upper
62 100
98 10.5 9.5 14.3

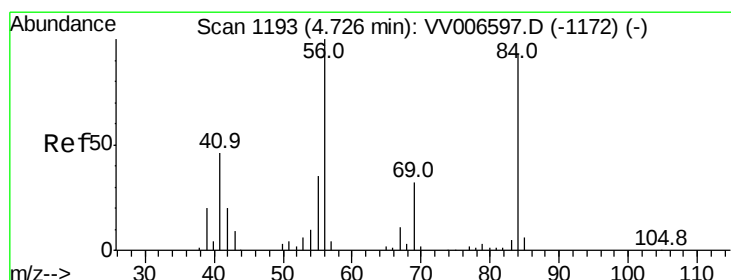
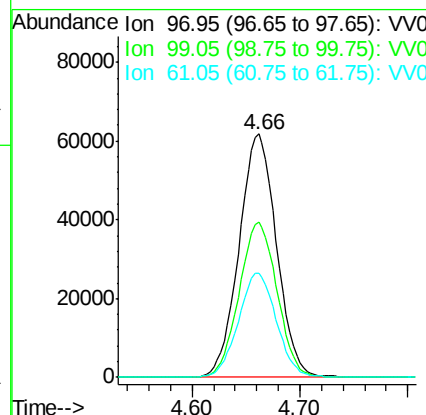
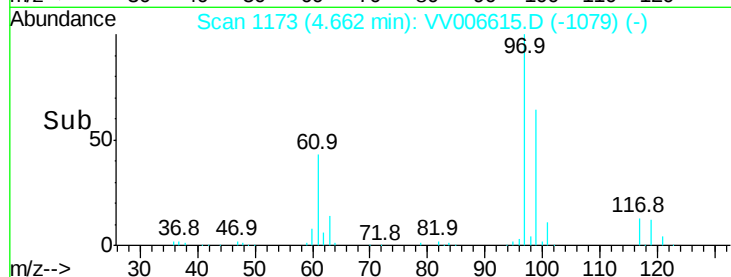
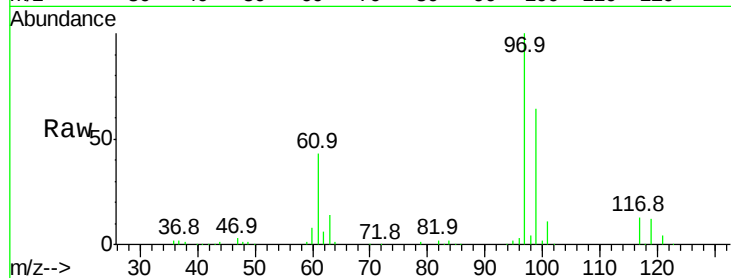




#29
1,1,1-Trichloroethane
Concen: 6.290 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

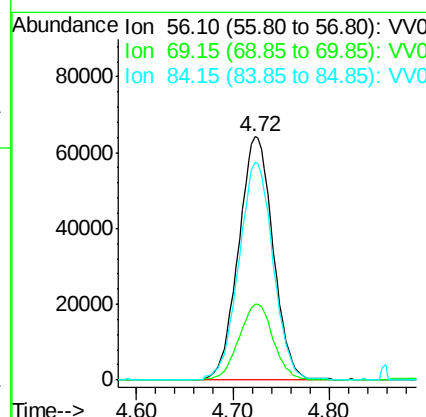
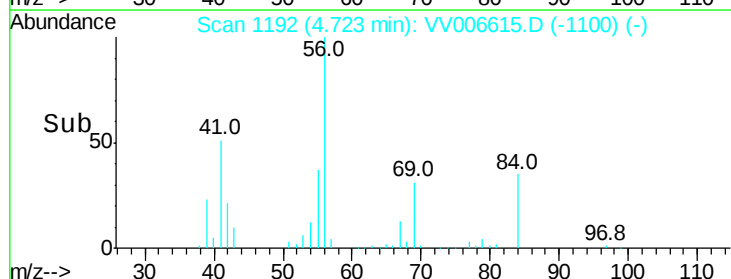
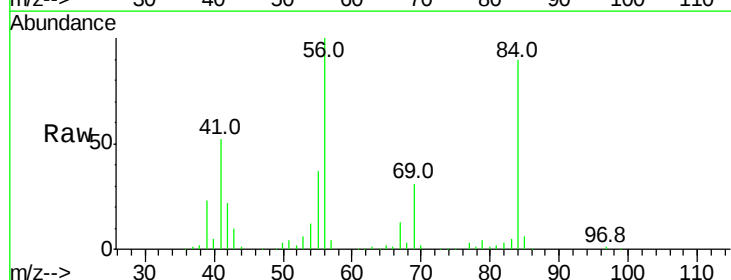
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

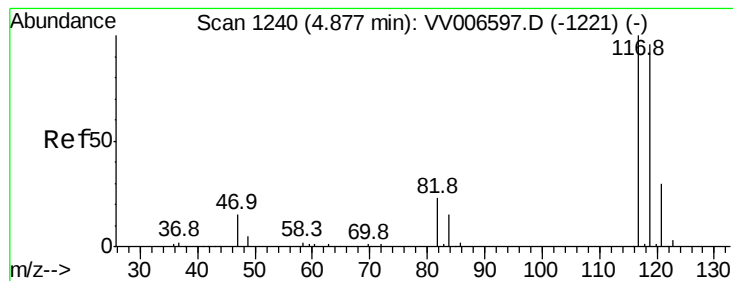
Tgt Ion: 97 Resp: 149502
Ion Ratio Lower Upper
97 100
99 64.5 51.2 76.8
61 43.4 33.7 50.5



#30
Cyclohexane
Concen: 6.291 ug/L
RT: 4.72 min Scan# 1192
Delta R.T. -0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

Tgt Ion: 56 Resp: 159117
Ion Ratio Lower Upper
56 100
69 31.1 25.5 38.3
84 89.1 74.7 112.1





#31

Carbon tetrachloride

Concen: 6.237 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

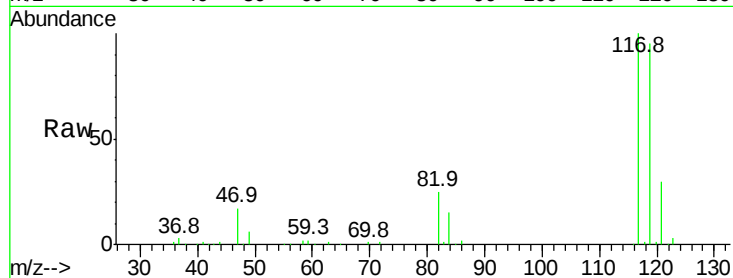
VSTD00577

Tgt Ion:117 Resp: 124035

Ion Ratio Lower Upper

117 100

119 95.6 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

60000

50000

40000

30000

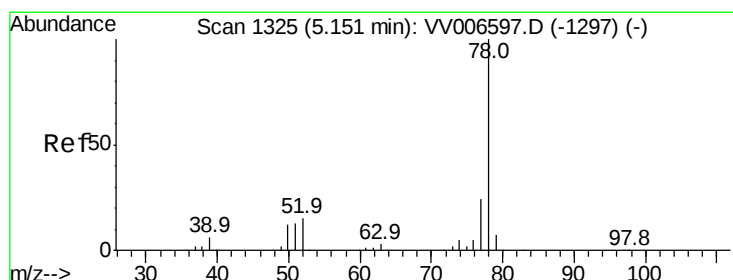
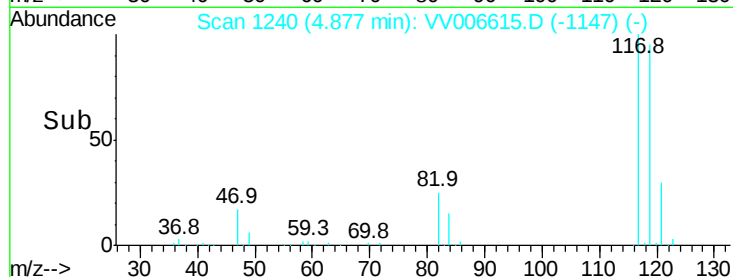
20000

10000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 6.364 ug/L

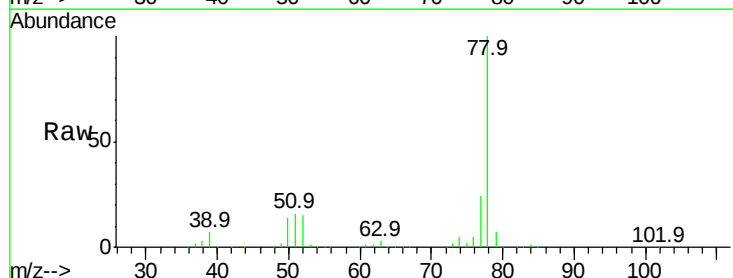
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Tgt Ion: 78 Resp: 430907



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

200000

150000

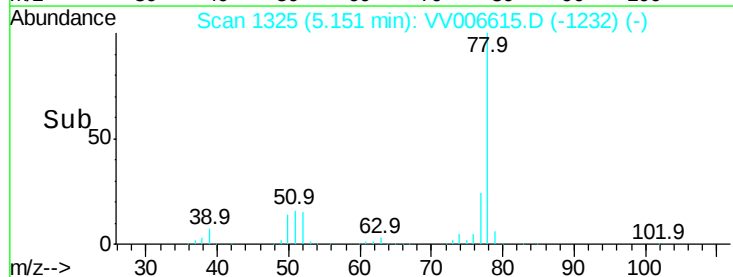
100000

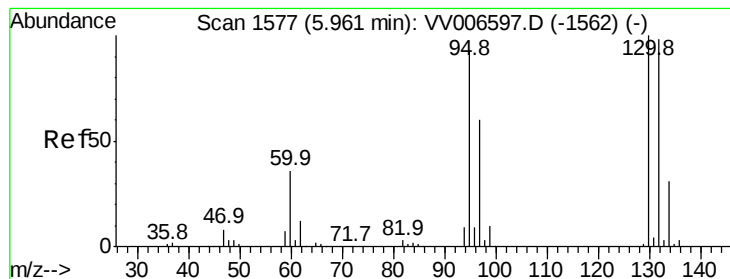
50000

0

5.00 5.10 5.20 5.30

Time-->





#34

Trichloroethene

Concen: 6.026 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

Tgt Ion: 95 Resp: 104660

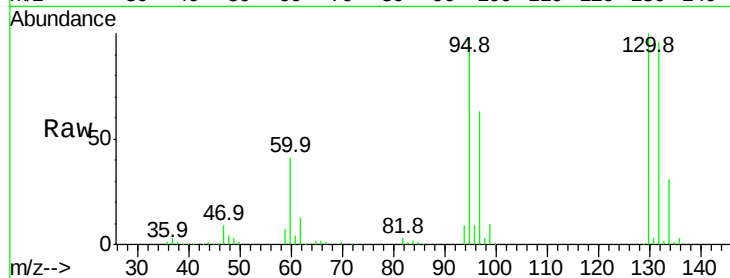
Ion Ratio Lower Upper

95 100

97 64.4 44.3 82.3

132 98.6 70.0 130.0

130 102.4 72.7 134.9

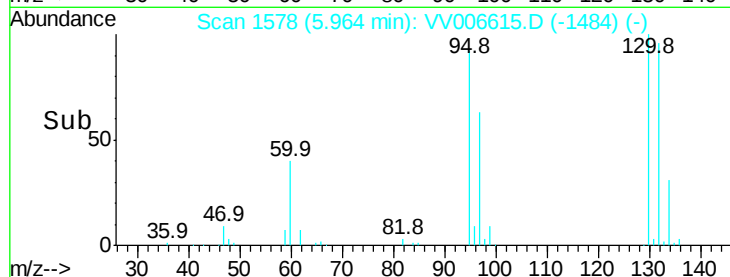


Abundance Ion 95.00 (94.70 to 95.70): VV0

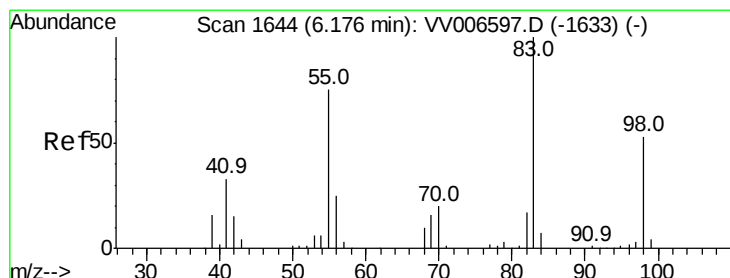
Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



Time-->



#35

Methylcyclohexane

Concen: 6.054 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

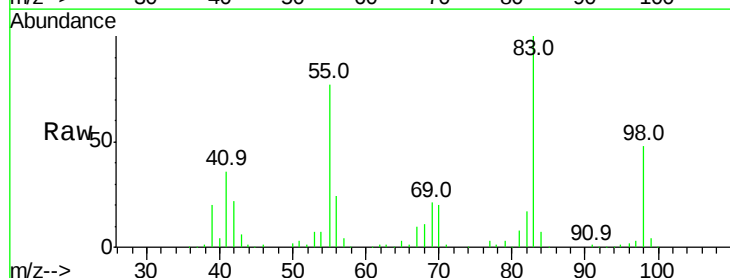
Tgt Ion: 83 Resp: 169319

Ion Ratio Lower Upper

83 100

55 75.9 58.3 87.5

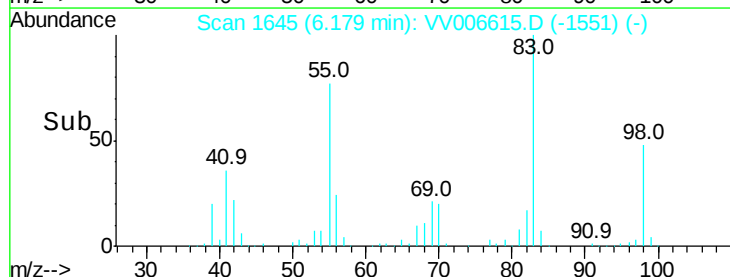
98 48.9 39.3 58.9



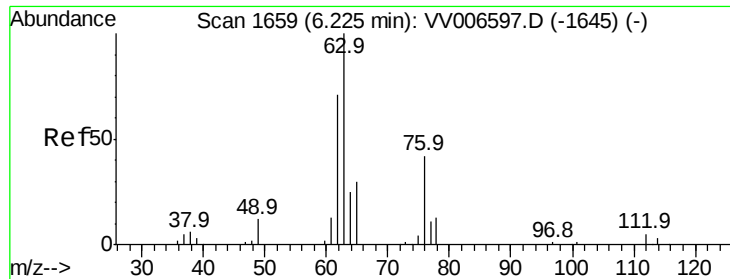
Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



Time-->



#37

1,2-Dichloropropane

Concen: 6.518 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

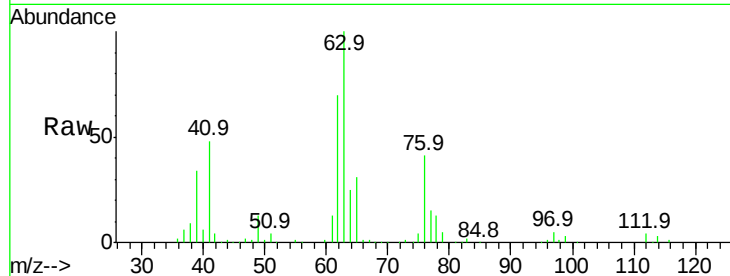
VSTD00577

Tgt Ion: 63 Resp: 107942

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

6.23

60000

50000

40000

30000

20000

10000

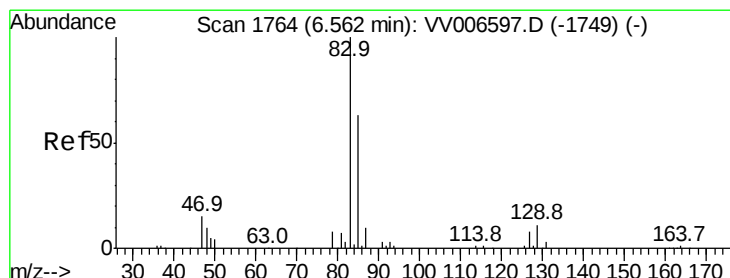
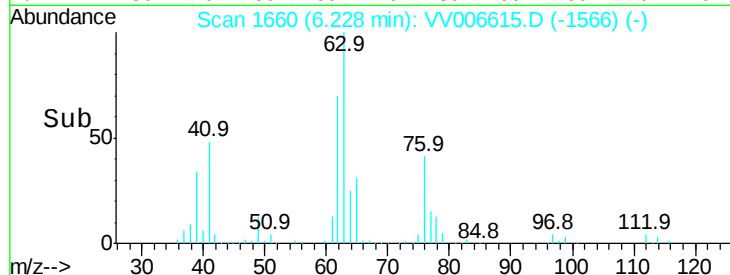
0

6.10

6.20

6.30

Time-->



#38

Bromodichloromethane

Concen: 6.451 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

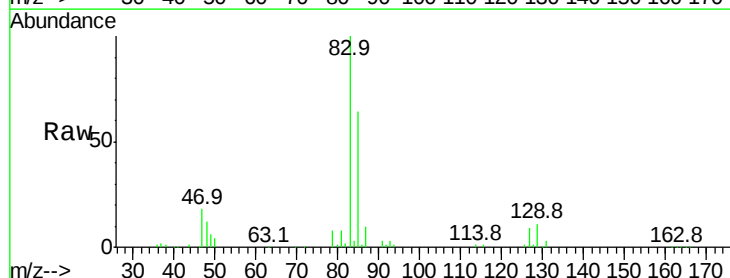
Tgt Ion: 83 Resp: 120466

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.7

127 8.5 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V

80000

60000

40000

20000

0

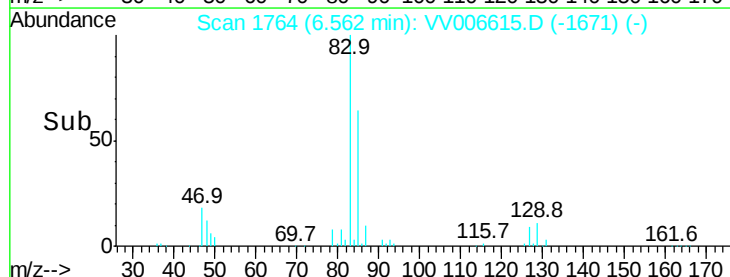
6.50

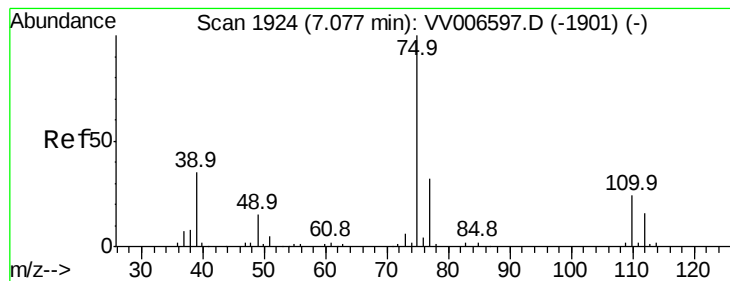
6.55

6.60

6.65

Time-->



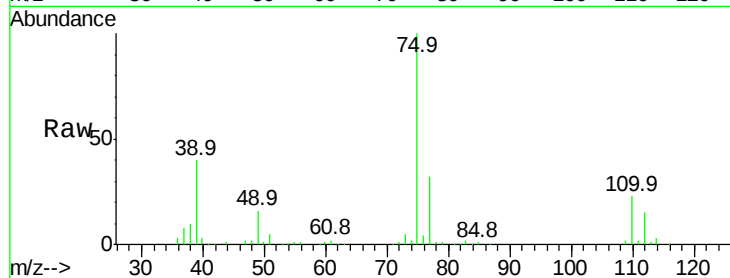


#39

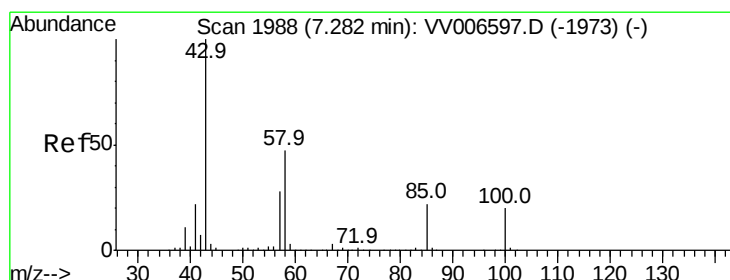
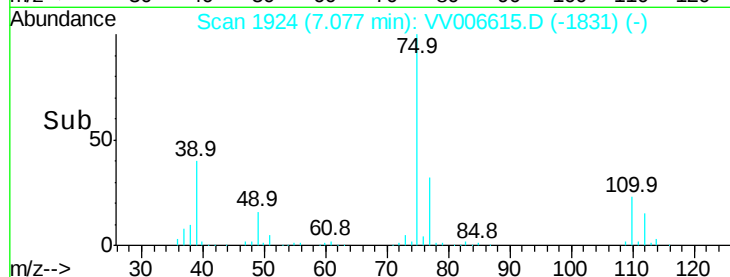
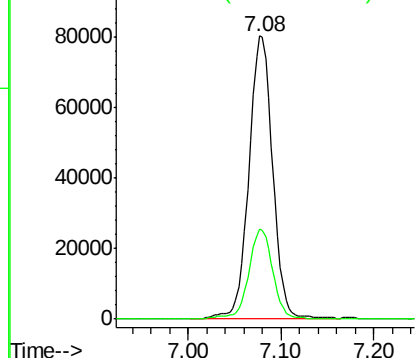
cis-1,3-Dichloropropene
Concen: 6.464 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

Tgt Ion: 75 Resp: 143696
Ion Ratio Lower Upper
75 100
77 31.7 22.0 41.0



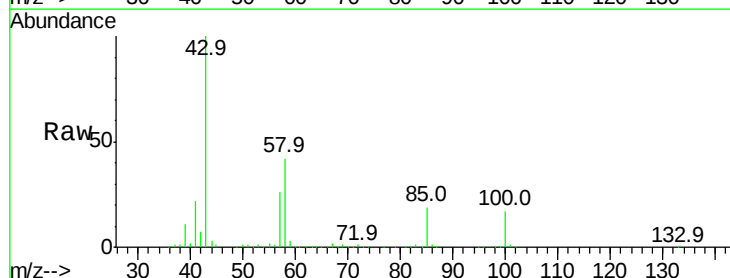
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



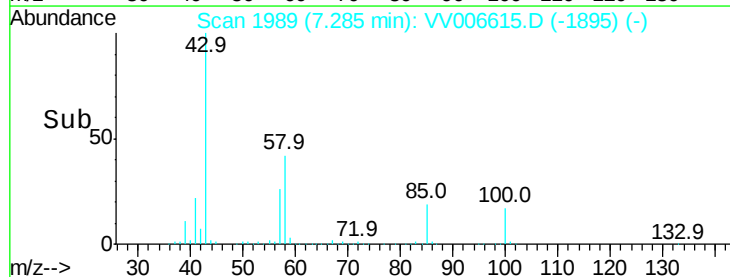
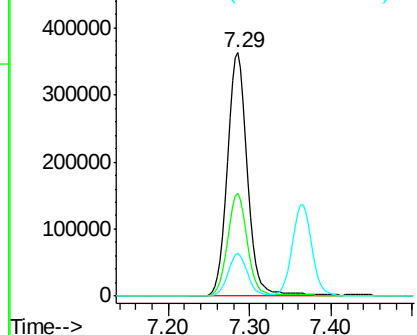
#40

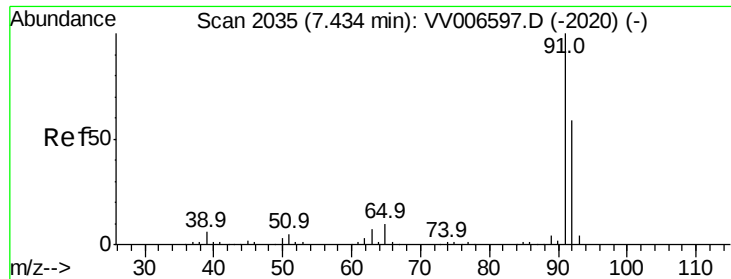
4-Methyl-2-pentanone
Concen: 75.667 ug/L
RT: 7.29 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

Tgt Ion: 43 Resp: 635198
Ion Ratio Lower Upper
43 100
58 41.5 35.8 53.6
100 16.9 15.4 23.0



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





#42

Toluene

Concen: 6.331 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

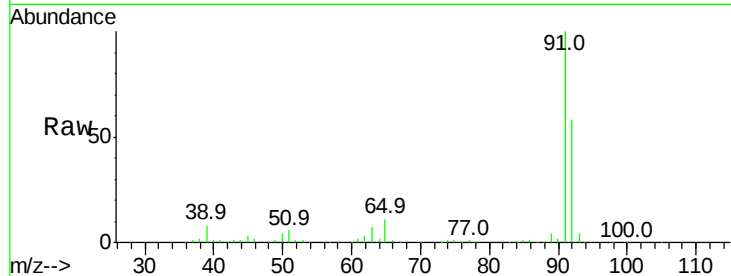
VSTD00577

Tgt Ion: 91 Resp: 445858

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV006615.D (-2024) (-)

Ion 92.15 (91.85 to 92.85): VV006615.D (-2024) (-)

7.44

250000

200000

150000

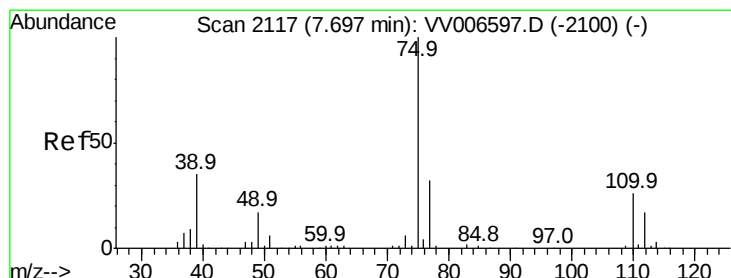
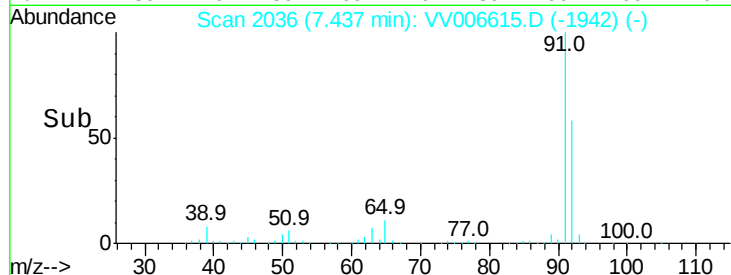
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 6.527 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006615.D

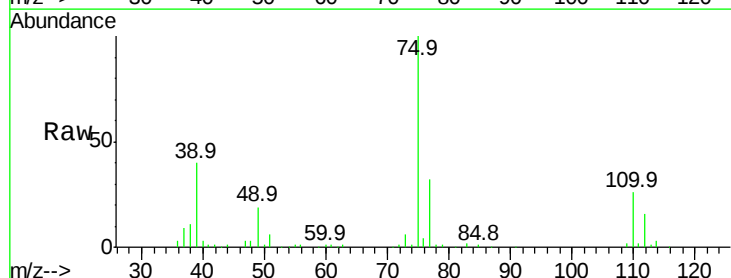
Acq: 17 Jul 2018 13:06

Tgt Ion: 75 Resp: 112001

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV006615.D (-2024) (-)

Ion 77.05 (76.75 to 77.75): VV006615.D (-2024) (-)

7.70

80000

60000

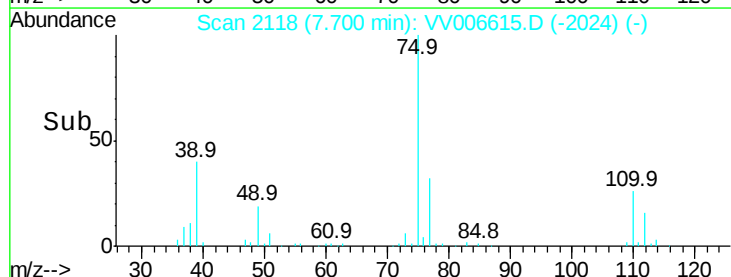
40000

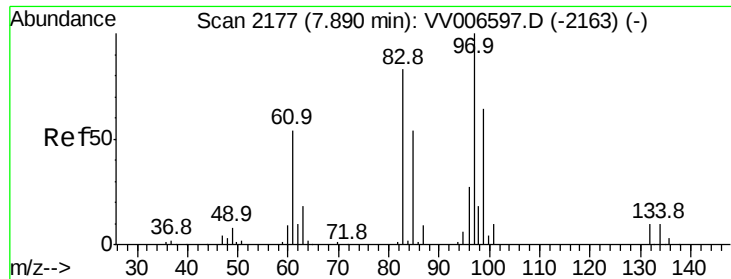
20000

0

7.60 7.70 7.80

Time-->

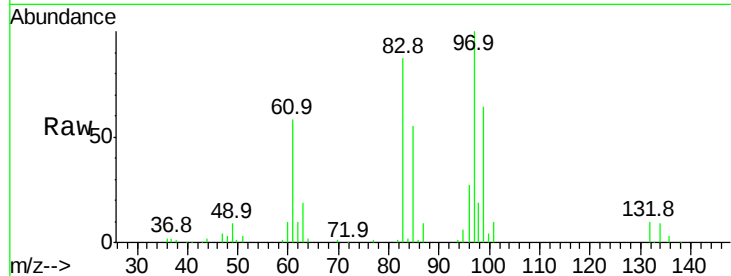




#45
 1,1,2-Trichloroethane
 Concen: 6.456 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006615.D
 Acq: 17 Jul 2018 13:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tgt Ion:	97	Resp:	74815
Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.3	80.3
83	87.3	58.0	107.8
85	54.9	37.8	70.2

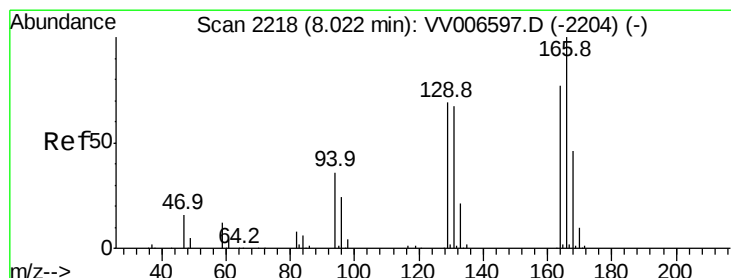
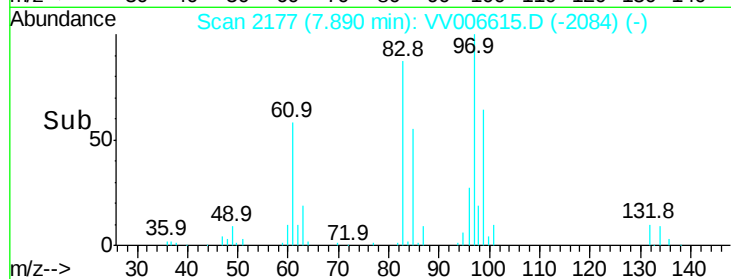
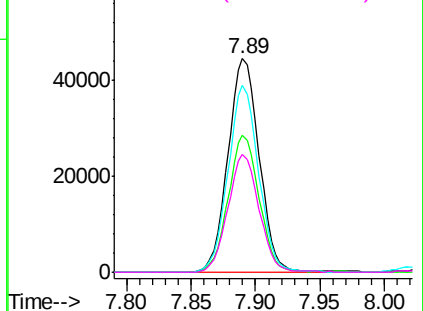


Abundance Ion 96.95 (96.65 to 97.65): VV006615.D (-2177) (-)

Ion 99.05 (98.75 to 99.75): VV006615.D (-2177) (-)

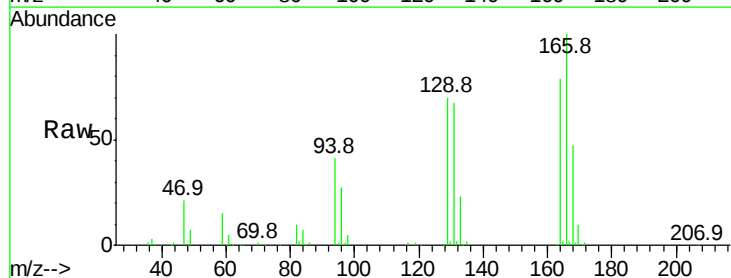
Ion 82.95 (82.65 to 83.65): VV006615.D (-2177) (-)

Ion 85.00 (84.70 to 85.70): VV006615.D (-2177) (-)



#47
 Tetrachloroethene
 Concen: 5.981 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006615.D
 Acq: 17 Jul 2018 13:06

Tgt Ion:	164	Resp:	85416
Ion	Ratio	Lower	Upper
164	100		
129	89.6	62.1	115.3
131	85.7	60.8	113.0
166	127.2	87.1	161.7

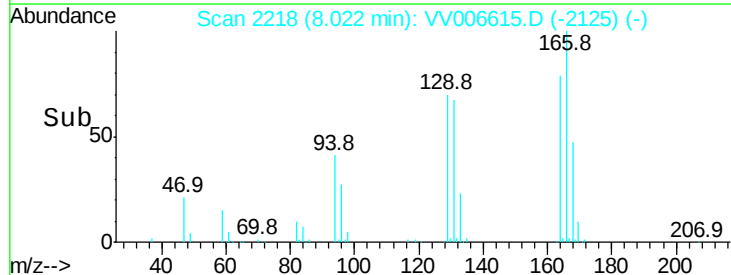
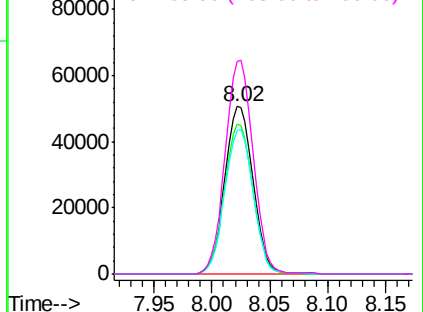


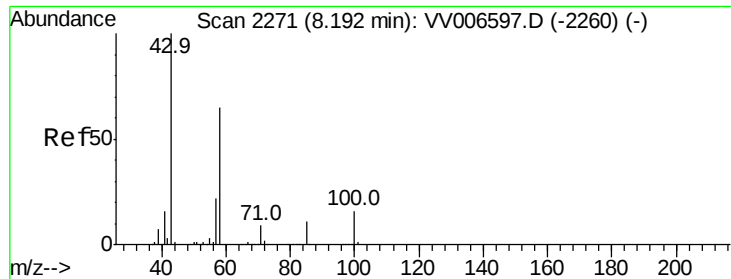
Abundance Ion 163.90 (163.60 to 164.60): VV006615.D (-2218) (-)

Ion 128.95 (128.65 to 129.65): VV006615.D (-2218) (-)

Ion 130.95 (130.65 to 131.65): VV006615.D (-2218) (-)

Ion 165.90 (165.60 to 166.60): VV006615.D (-2218) (-)

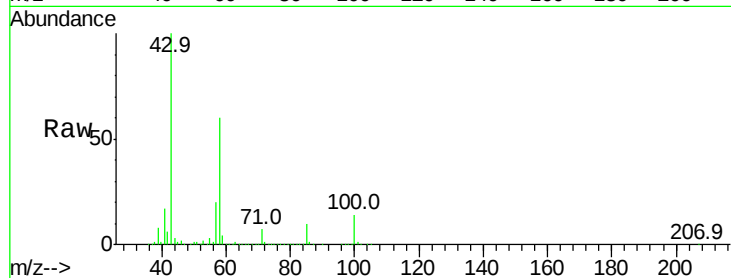




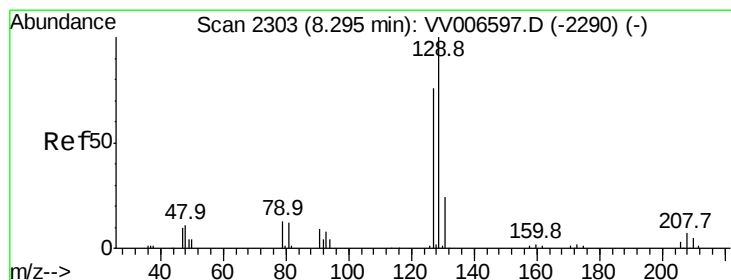
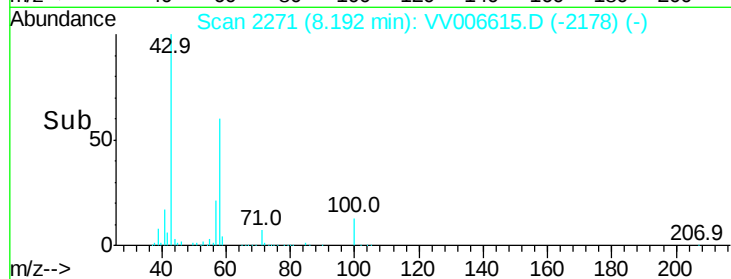
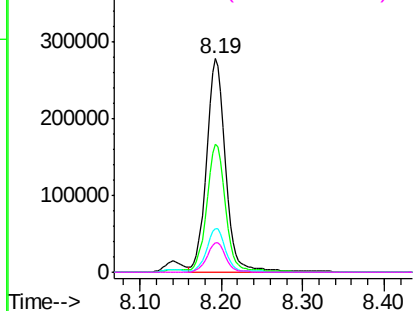
#48
2-Hexanone
Concen: 76.202 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

Tgt Ion: 43 Resp: 453583
Ion Ratio Lower Upper
43 100
58 60.3 50.3 75.5
57 20.3 17.0 25.4
100 13.7 12.3 18.5

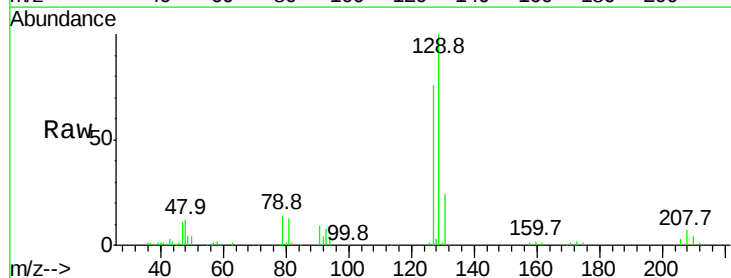


Abundance Ion 43.05 (42.75 to 43.75): VV006615.D (-2178) (-)
Ion 58.05 (57.75 to 58.75): VV006615.D (-2178) (-)
Ion 57.20 (56.90 to 57.90): VV006615.D (-2178) (-)
Ion 100.15 (99.85 to 100.85): VV006615.D (-2178) (-)

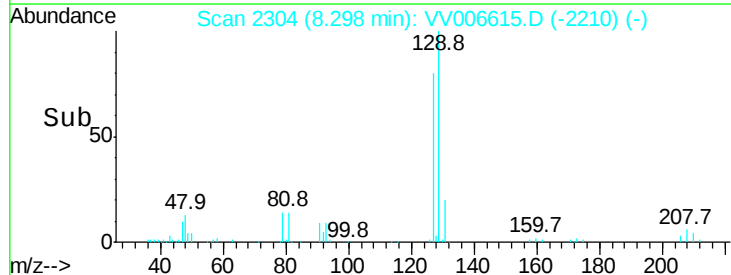
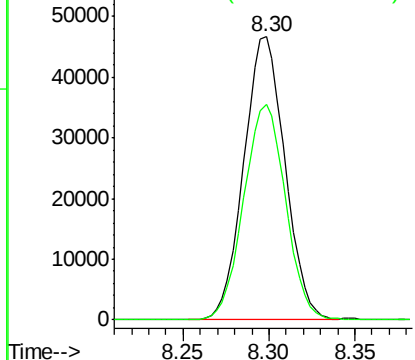


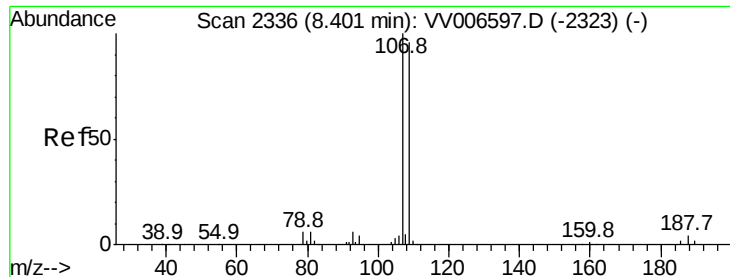
#49
Dibromochloromethane
Concen: 6.411 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

Tgt Ion: 129 Resp: 77476
Ion Ratio Lower Upper
129 100
127 76.0 52.7 97.9



Abundance Ion 128.95 (128.65 to 129.65): VV006615.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV006615.D (-2210) (-)

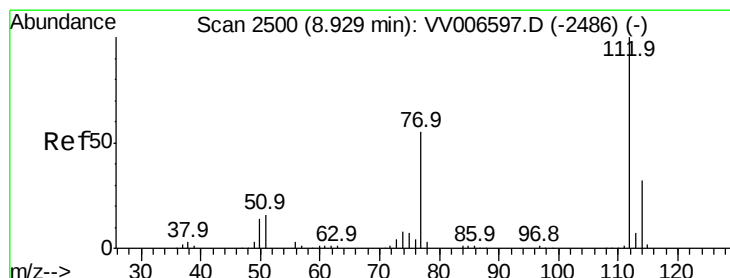
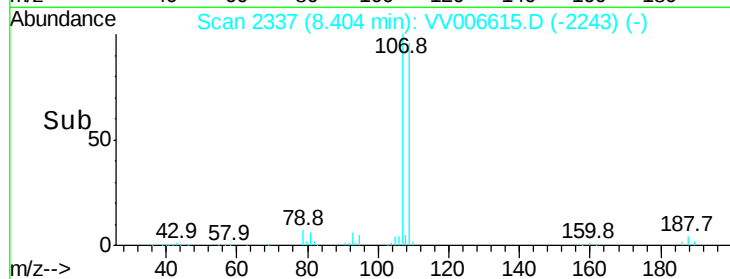
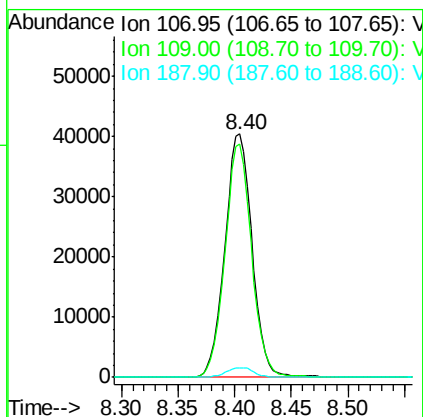
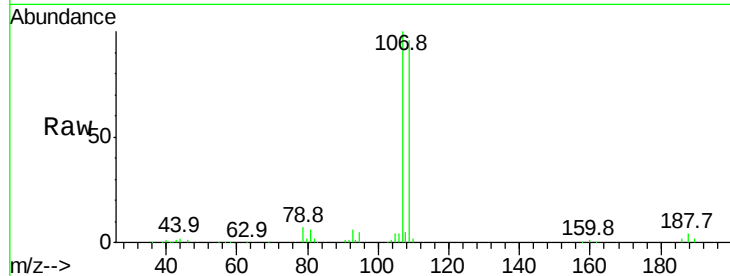




#50
1,2-Dibromoethane
Concen: 6.410 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

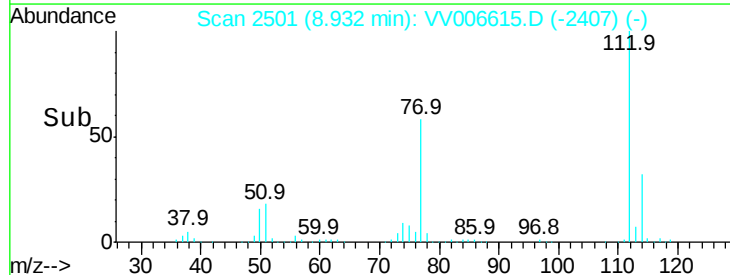
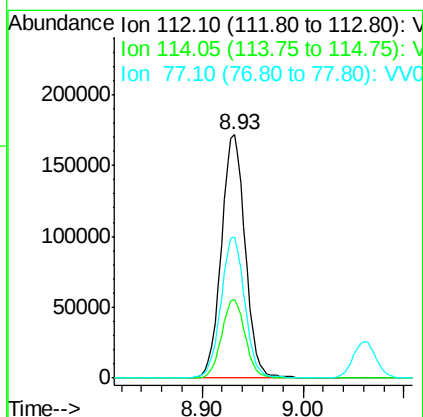
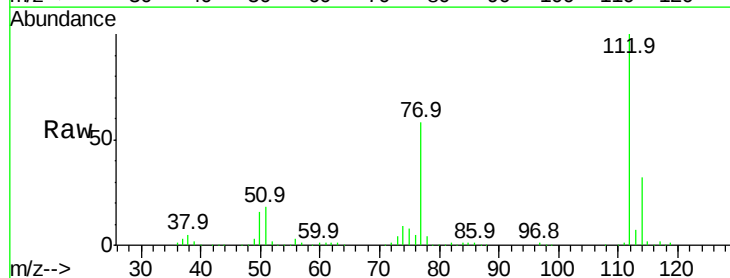
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

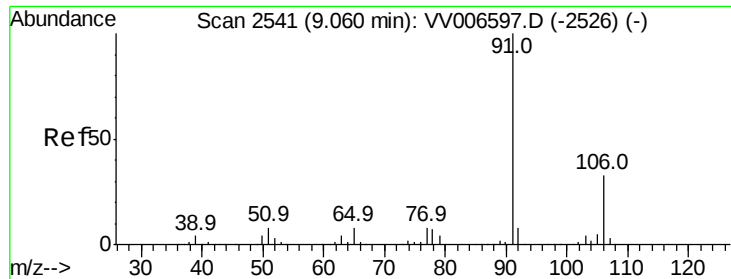
Tgt Ion:107 Resp: 67616
Ion Ratio Lower Upper
107 100
109 95.8 65.2 121.0
188 4.1 3.4 5.0



#51
Chlorobenzene
Concen: 6.158 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006615.D
Acq: 17 Jul 2018 13:06

Tgt Ion:112 Resp: 283702
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.5
77 57.8 45.1 67.7





#52

Ethylbenzene

Concen: 6.271 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

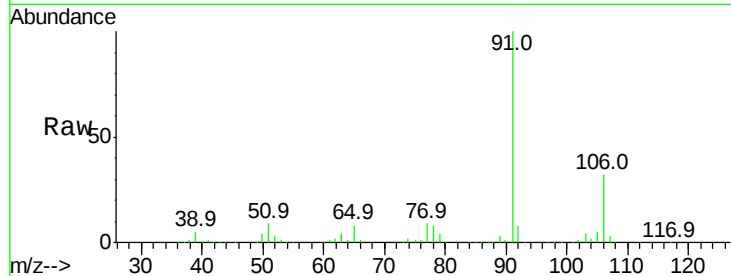
VSTD00577

Tgt Ion: 91 Resp: 469224

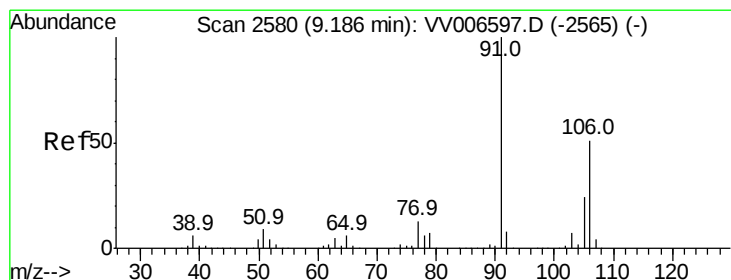
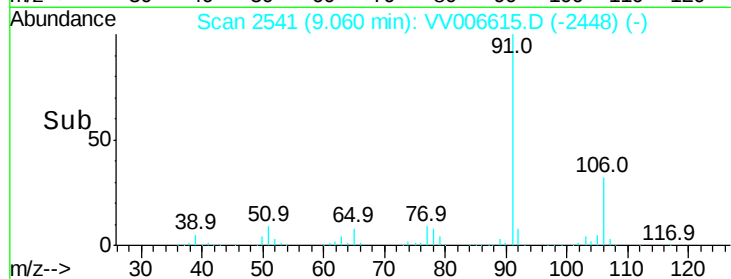
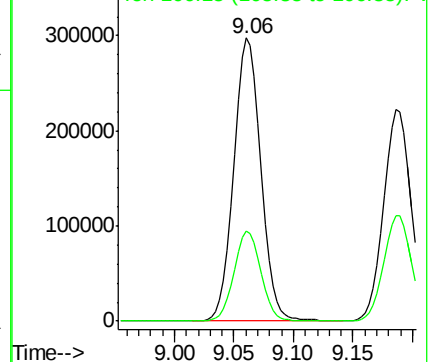
Ion Ratio Lower Upper

91 100

106 31.7 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV006615.D (-2448) (-)



#53

m,p-xylene

Concen: 6.285 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006615.D

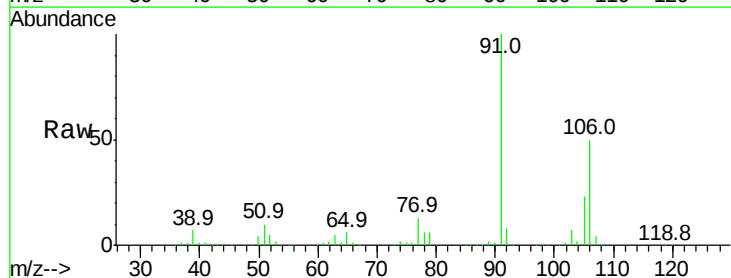
Acq: 17 Jul 2018 13:06

Tgt Ion: 106 Resp: 181208

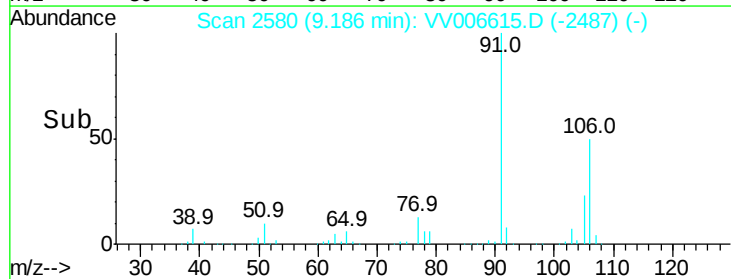
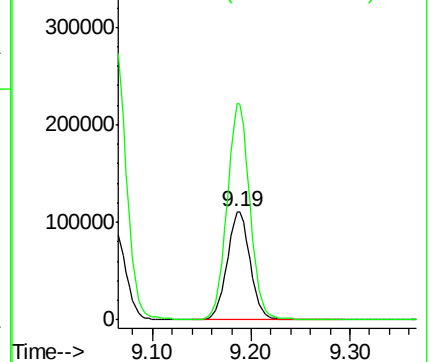
Ion Ratio Lower Upper

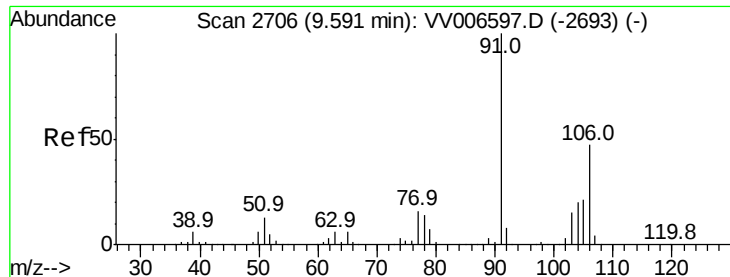
106 100

91 200.4 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): VV006615.D (-2487) (-)





#54

o-xylene

Concen: 6.278 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

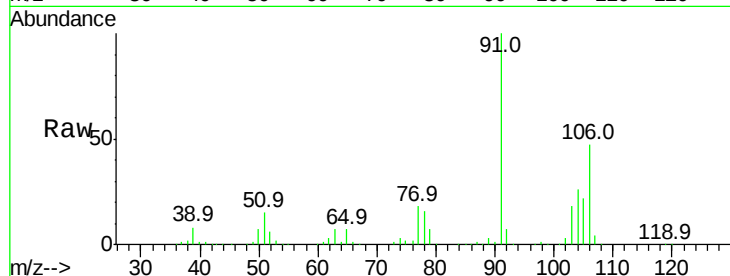
VSTD00577

Tgt Ion:106 Resp: 177161

Ion Ratio Lower Upper

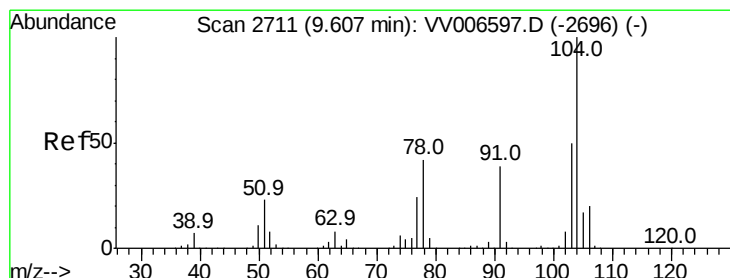
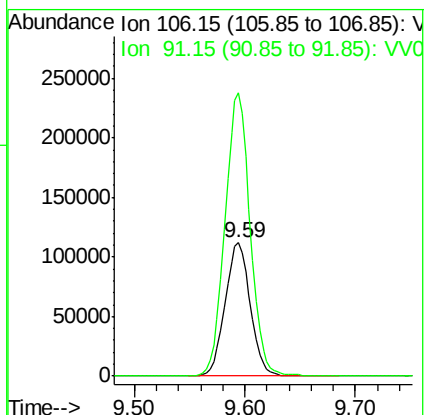
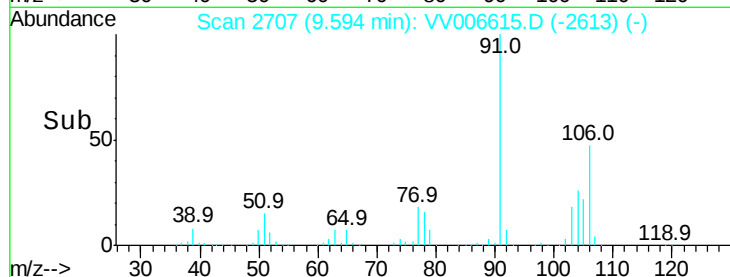
106 100

91 212.8 146.1 271.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 6.491 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006615.D

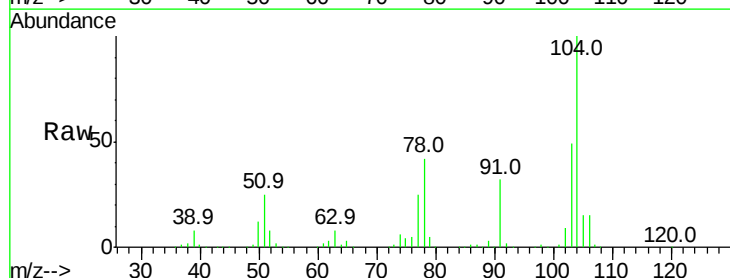
Acq: 17 Jul 2018 13:06

Tgt Ion:104 Resp: 308005

Ion Ratio Lower Upper

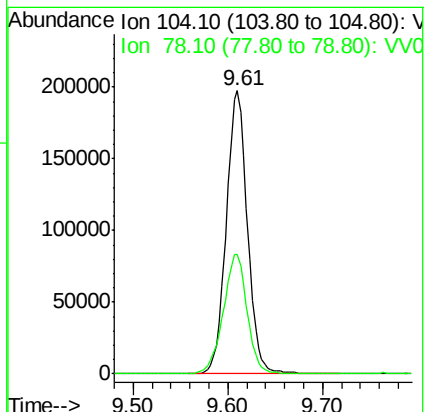
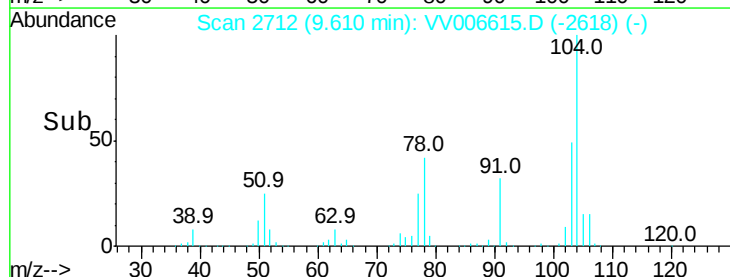
104 100

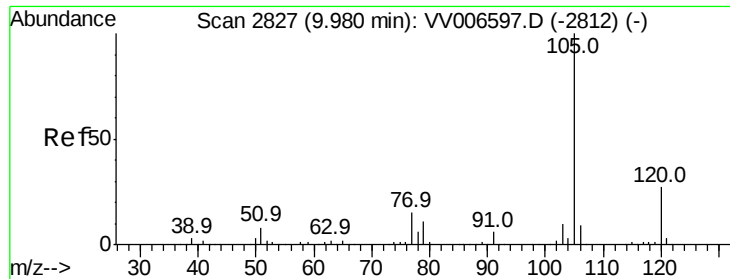
78 42.3 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 6.275 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

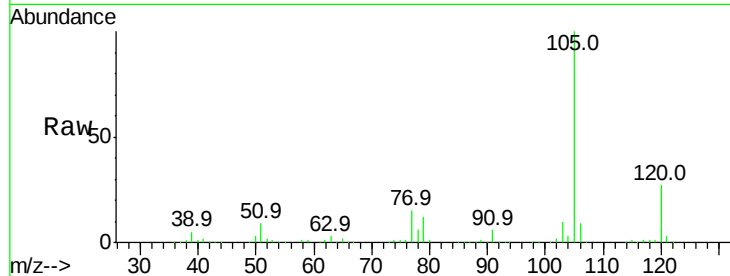
Tgt Ion:105 Resp: 454154

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

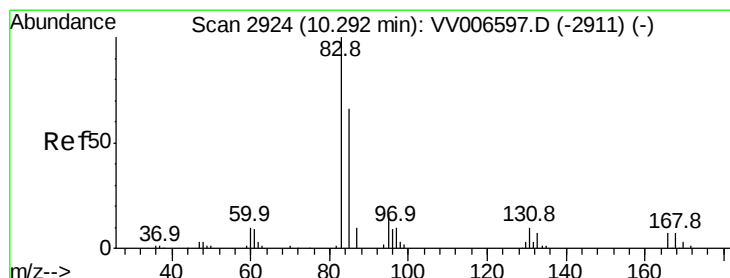
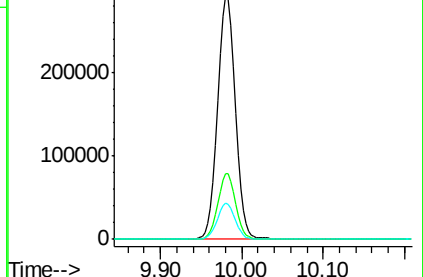
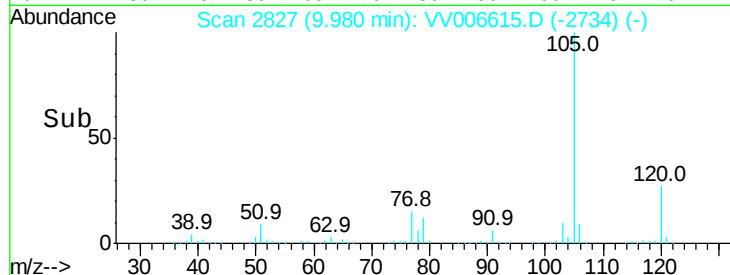
77 15.0 11.8 17.6



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: 6.777 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

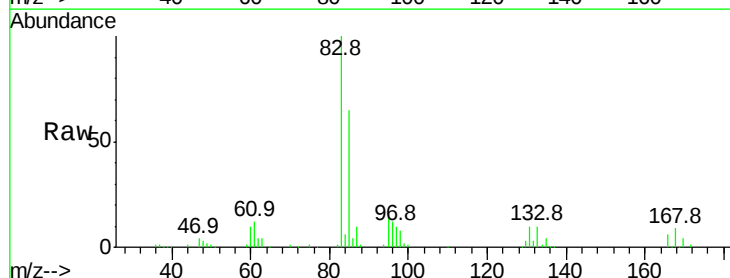
Tgt Ion: 83 Resp: 92659

Ion Ratio Lower Upper

83 100

85 64.7 44.7 83.1

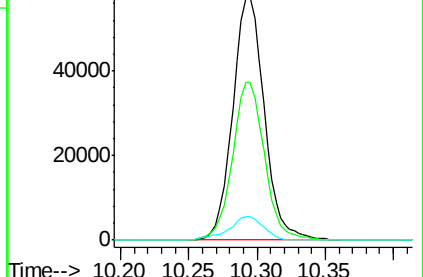
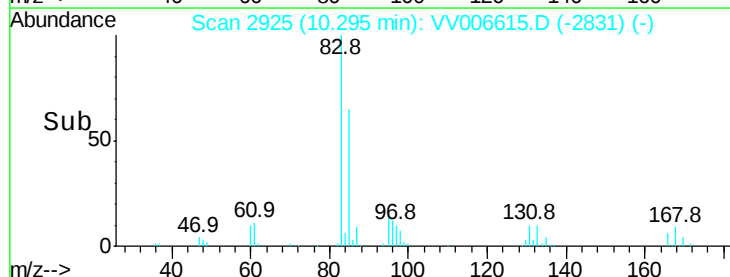
131 9.6 8.6 13.0

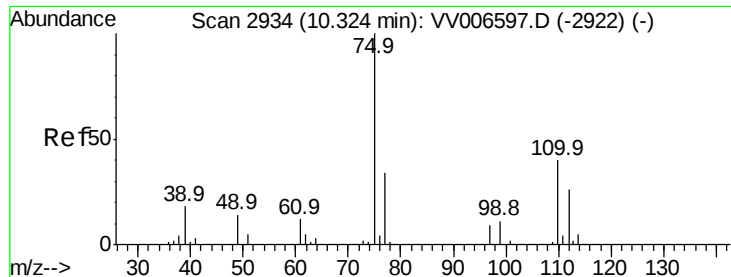


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 6.810 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

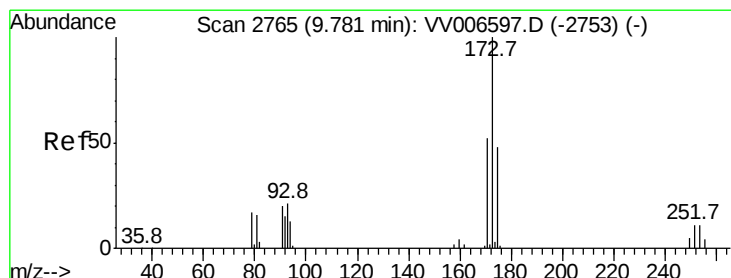
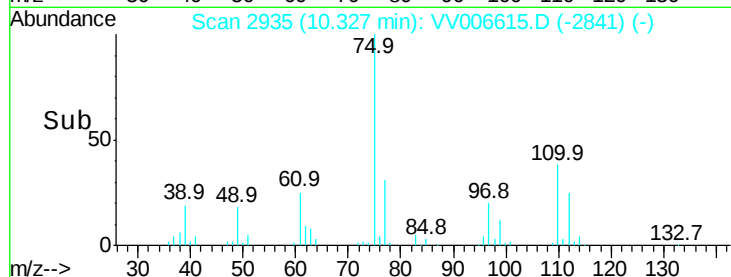
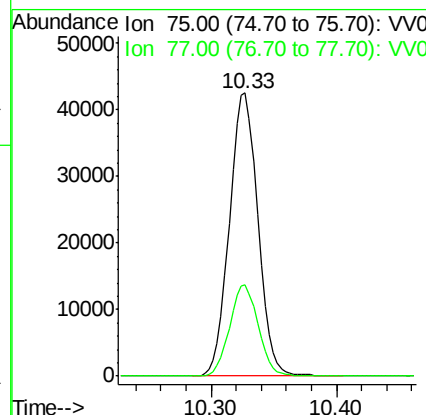
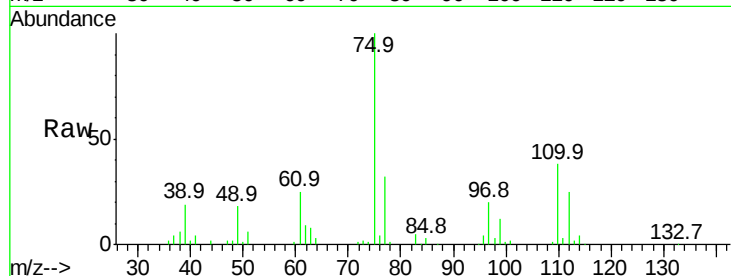
VSTD00577

Tgt Ion: 75 Resp: 67113

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



#61

Bromoform

Concen: 6.413 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

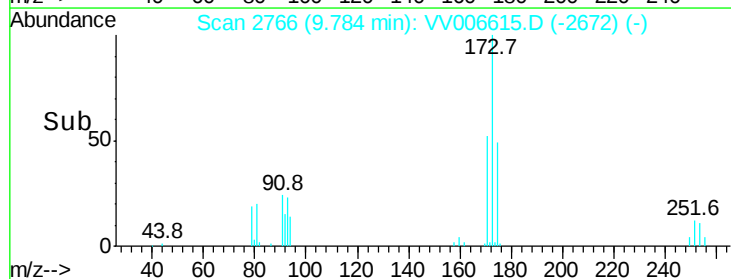
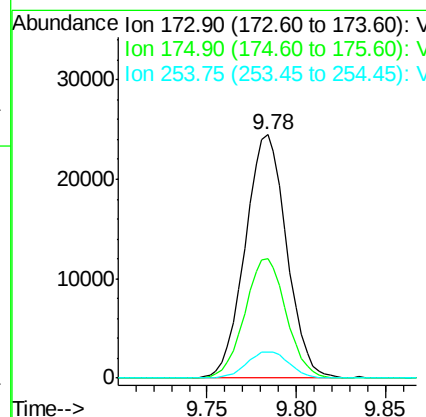
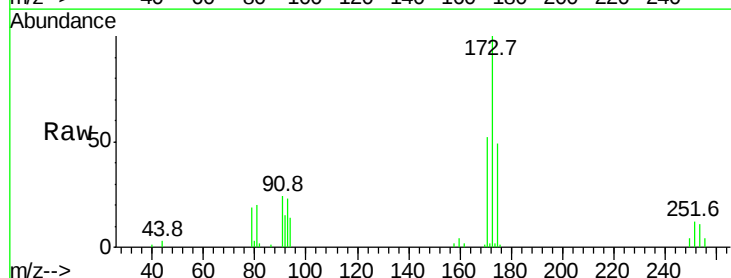
Tgt Ion: 173 Resp: 39620

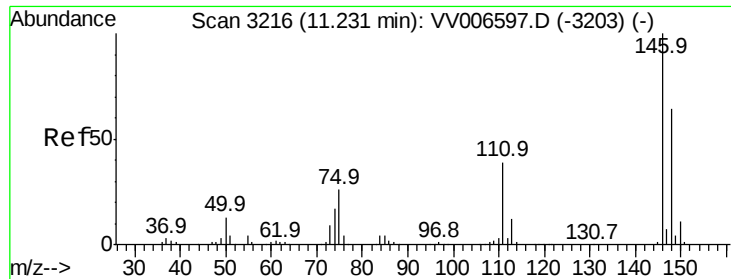
Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

254 10.9 9.6 14.4

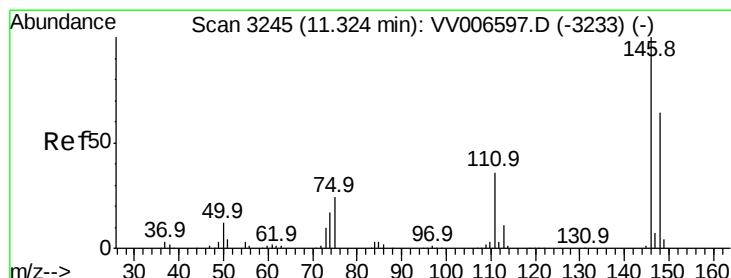
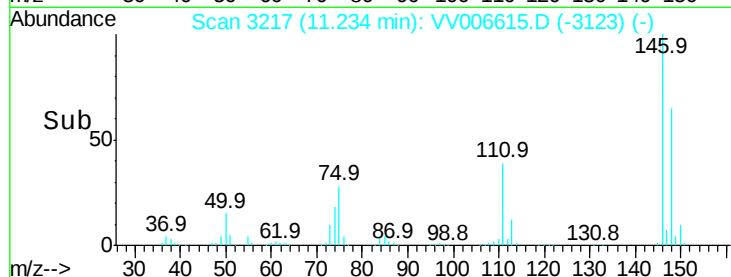
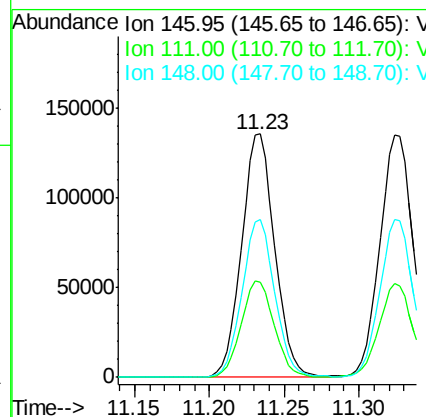
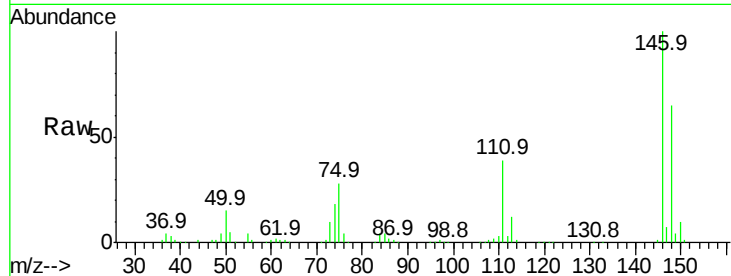




#62
 1,3-Dichlorobenzene
 Concen: 6.151 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV006615.D
 Acq: 17 Jul 2018 13:06

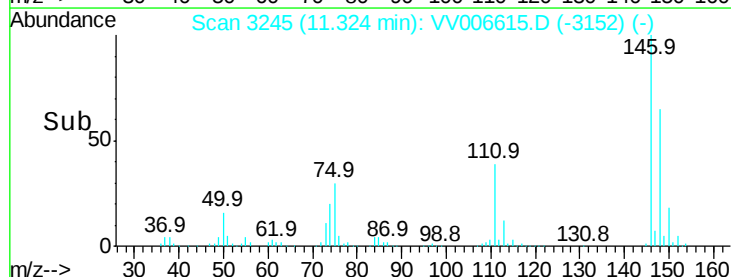
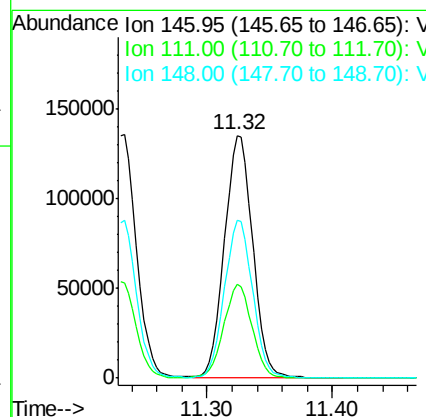
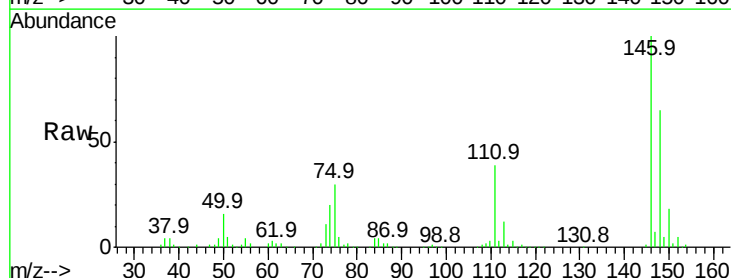
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

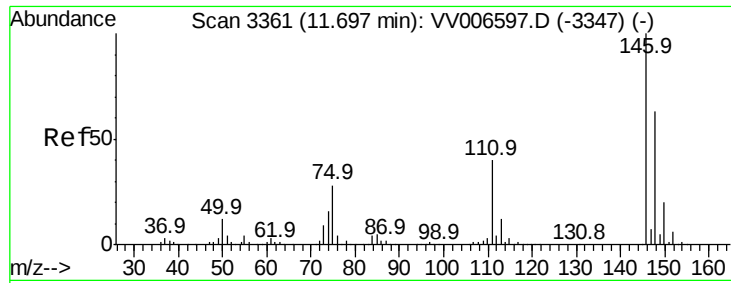
Tgt Ion:146 Resp: 209220
 Ion Ratio Lower Upper
 146 100
 111 39.2 26.9 49.9
 148 64.6 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 6.107 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV006615.D
 Acq: 17 Jul 2018 13:06

Tgt Ion:146 Resp: 211164
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.0 48.4
 148 65.3 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 6.311 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

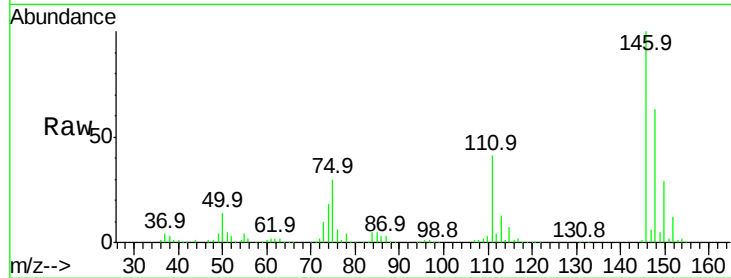
Tgt Ion:146 Resp: 207360

Ion Ratio Lower Upper

146 100

111 40.7 32.4 48.6

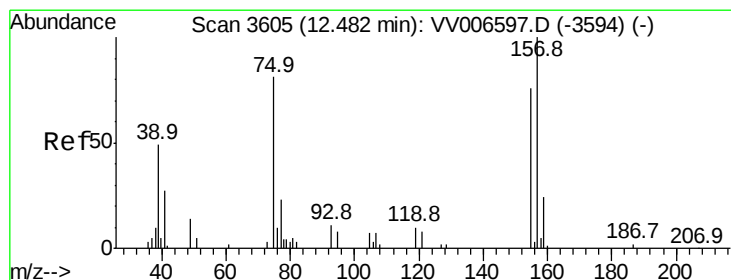
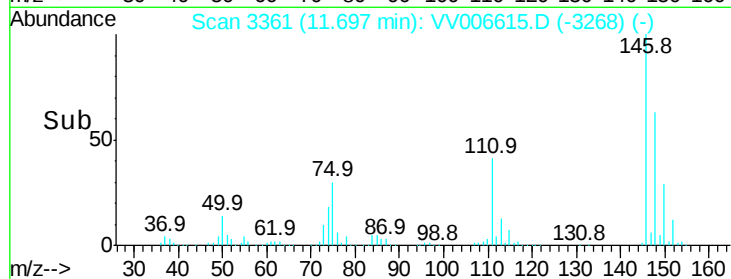
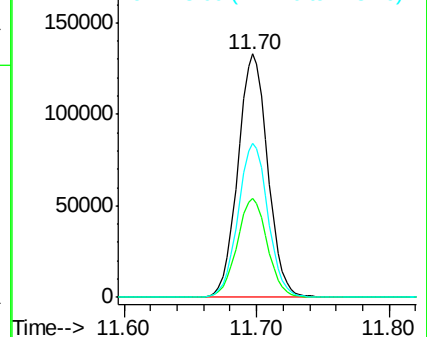
148 63.5 51.3 76.9



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: 7.253 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

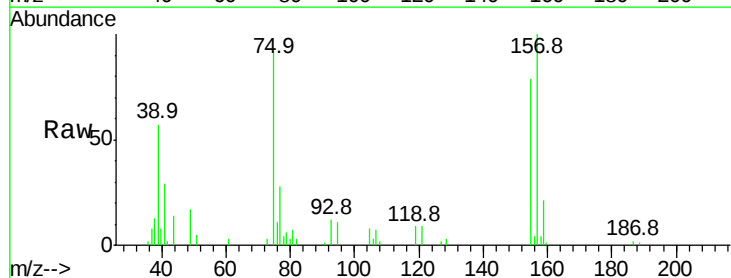
Tgt Ion: 75 Resp: 12735

Ion Ratio Lower Upper

75 100

155 86.1 75.4 113.2

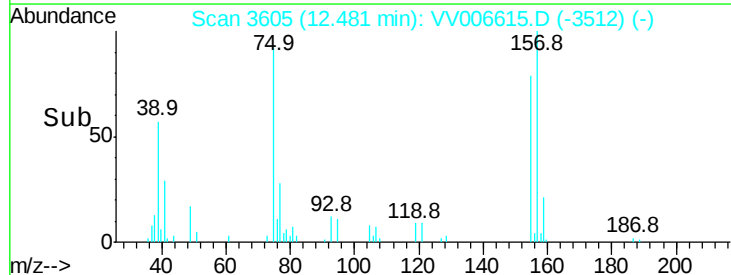
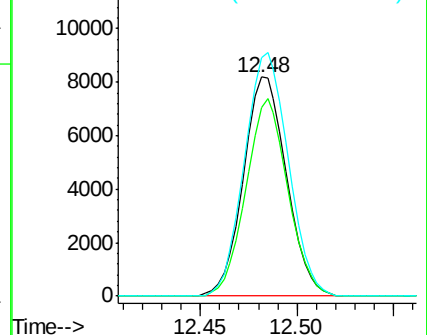
157 108.8 99.6 149.4

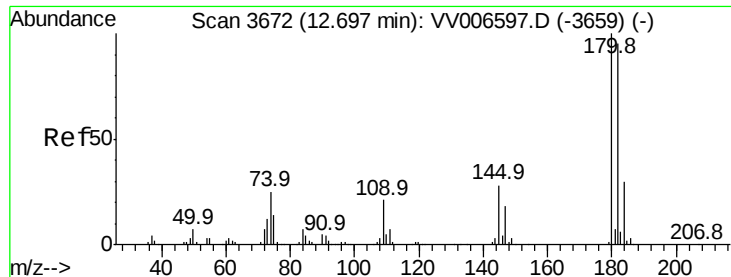


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

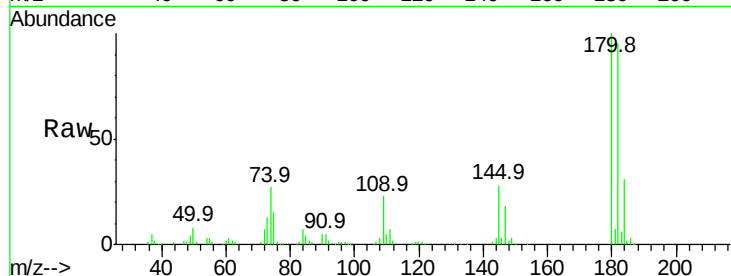




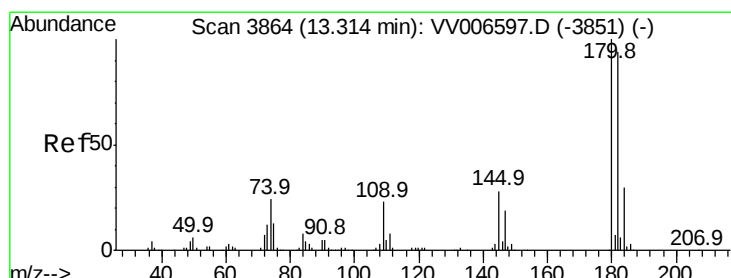
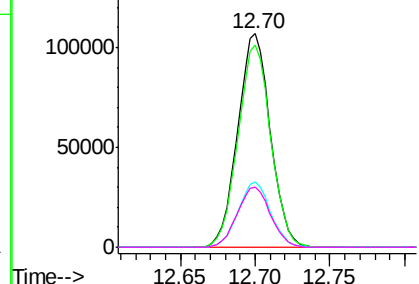
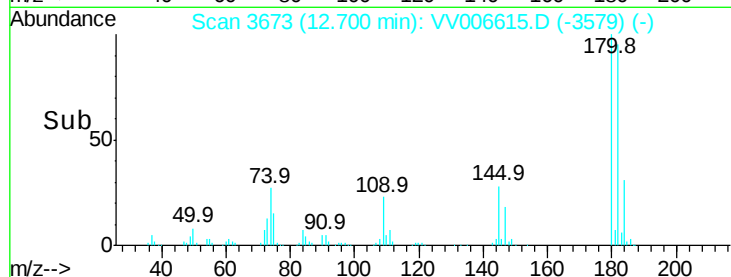
#67
 1,3,5-Trichlorobenzene
 Concen: 6.007 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006615.D
 Acq: 17 Jul 2018 13:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tgt Ion:180 Resp: 161888
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.1 114.1
 184 30.4 24.1 36.1
 145 28.7 22.3 33.5

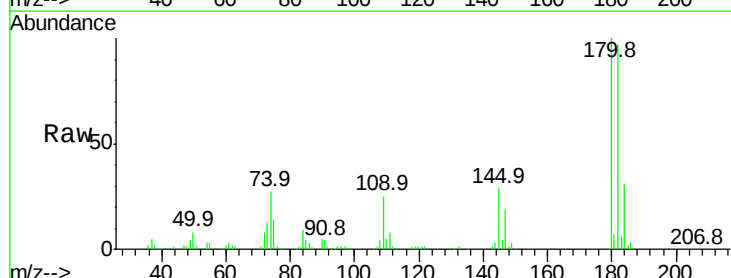


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

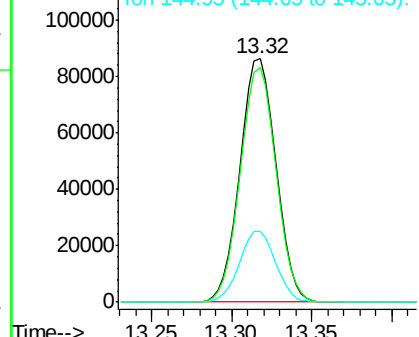
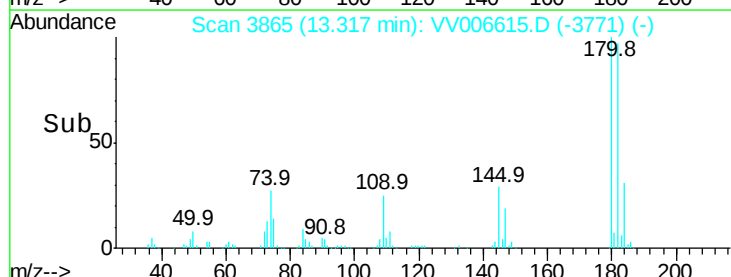


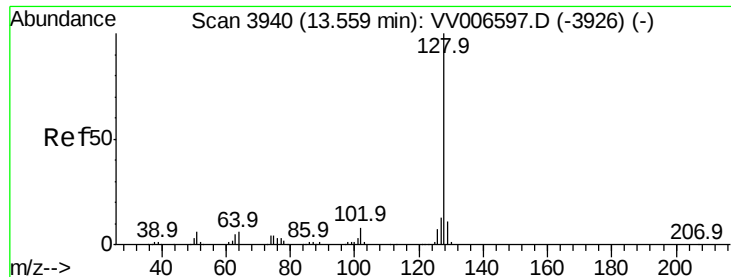
#68
 1,2,4-trichlorobenzene
 Concen: 6.171 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006615.D
 Acq: 17 Jul 2018 13:06

Tgt Ion:180 Resp: 132308
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.5 114.7
 145 29.2 23.0 34.4



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: 6.758 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

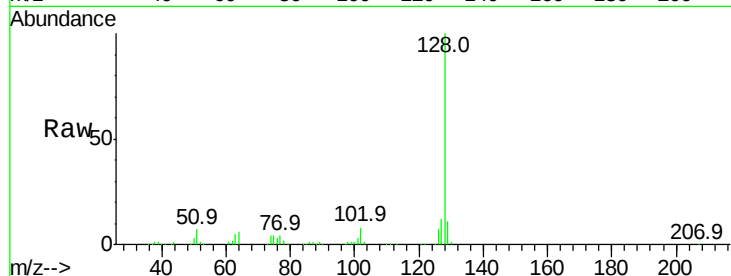
Tgt Ion:128 Resp: 246039

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

127 12.6 10.2 15.2



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

13.56

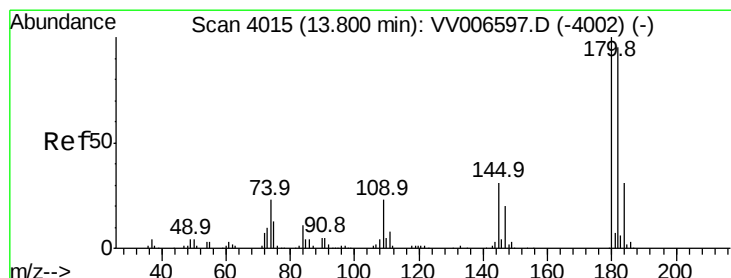
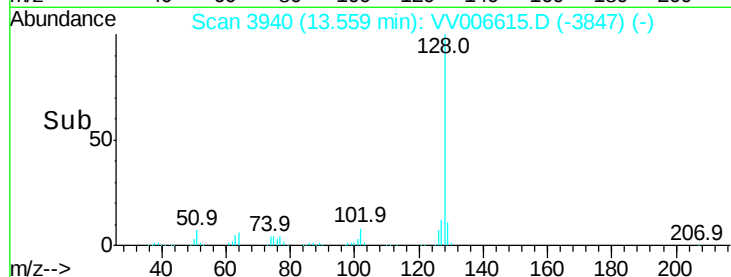
150000

100000

50000

0

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 6.329 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006615.D

Acq: 17 Jul 2018 13:06

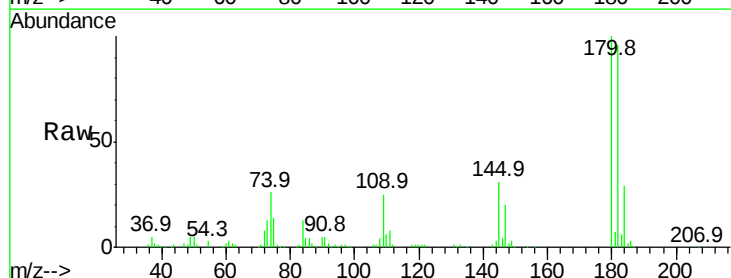
Tgt Ion:180 Resp: 127214

Ion Ratio Lower Upper

180 100

182 95.2 76.3 114.5

145 30.8 24.7 37.1



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

13.80

100000

80000

60000

40000

20000

0

Time-->

