

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072018\
 Data File : VV006676.D
 Acq On : 20 Jul 2018 19:38
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA7

Quant Time: Jul 26 02:10:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 26 02:08:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	232561	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	215417	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	104228	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73632	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.57	69	56874	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.13	63	158098	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.80%
20) 2-Butanone-d5	3.95	46	141714	39.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.96%
24) Chloroform-d	4.40	84	146034	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.09	65	67106	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.10	84	299900	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.12	67	93508	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.36	98	280612	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	7.67	79	29979	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.14	63	151846	49.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.94%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	68786	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	98531	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	122579	5.544 ug/L #	84
3) Chloromethane	1.26	50	84896	4.540 ug/L	98
5) Vinyl chloride	1.32	62	126038	5.218 ug/L #	51
6) Bromomethane	1.52	94	14561	2.126 ug/L	99
8) Chloroethane	1.59	64	78188	5.635 ug/L	95
9) Trichlorofluoromethane	1.77	101	160863	5.550 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	99558	5.480 ug/L	100
12) 1,1-Dichloroethene	2.14	96	93872	5.452 ug/L	93
13) Acetone	2.19	43	139803	51.426 ug/L	99
14) Carbon disulfide	2.31	76	310537	5.562 ug/L	100
15) Methyl Acetate	2.46	43	41216	5.167 ug/L	100
16) Methylene chloride	2.54	84	101639	4.692 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	226830	5.337 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	102764	5.415 ug/L	99
19) 1,1-Dichloroethane	3.23	63	193694	5.781 ug/L	99
21) 2-Butanone	4.04	43	233667	51.318 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	109959	5.534 ug/L	99

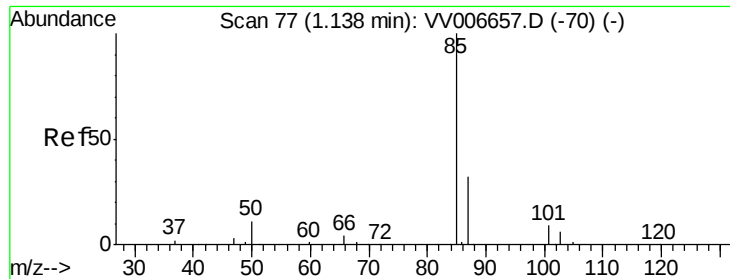
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072018\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	44513	5.503	ug/L	99
25) Chloroform	4.43	83	180566	5.593	ug/L	100
27) 1,2-Dichloroethane	5.19	62	101182	5.364	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	149993	5.571	ug/L	99
30) Cyclohexane	4.72	56	161036	5.350	ug/L	99
31) Carbon tetrachloride	4.88	117	126866	5.509	ug/L	100
33) Benzene	5.15	78	417953	5.516	ug/L	100
34) Trichloroethene	5.96	95	102471	5.345	ug/L	99
35) Methylcyclohexane	6.18	83	173393	5.419	ug/L	100
37) 1,2-Dichloropropane	6.23	63	106940	5.532	ug/L	99
38) Bromodichloromethane	6.56	83	119589	5.569	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	135690	5.338	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	559164	53.512	ug/L	100
42) Toluene	7.44	91	435382	5.559	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	103067	5.215	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	70037	5.385	ug/L	98
47) Tetrachloroethene	8.02	164	85150	5.530	ug/L	96
48) 2-Hexanone	8.19	43	390880	53.511	ug/L	99
49) Dibromochloromethane	8.30	129	76371	5.542	ug/L	98
50) 1,2-Dibromoethane	8.40	107	62300	5.330	ug/L	99
51) Chlorobenzene	8.93	112	277501	5.453	ug/L	99
52) Ethylbenzene	9.06	91	468816	5.576	ug/L	100
53) m,p-xylene	9.19	106	181679	5.683	ug/L	98
54) o-xylene	9.59	106	174912	5.608	ug/L	97
55) Styrene	9.61	104	301916	5.782	ug/L	100
56) Isopropylbenzene	9.98	105	460671	5.630	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	86225	5.528	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	60548	5.312	ug/L	100
61) Bromoform	9.78	173	39442	5.475	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	205764	5.420	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	211052	5.471	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	200998	5.523	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11489	5.319	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	162344	5.533	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	127593	5.481	ug/L	99
69) Naphthalene	13.56	128	209887	5.208	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	118884	5.421	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.544 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006676.D

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MSVOA_V

ClientSampleId :

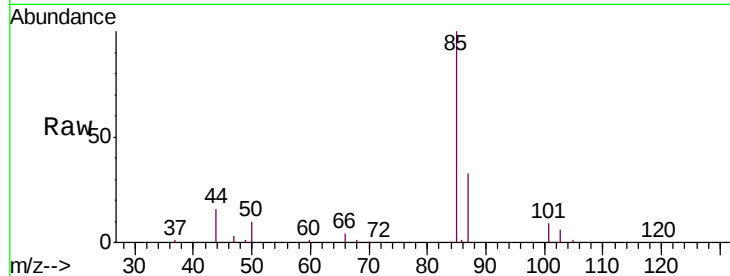
C0AA7

Tgt Ion: 85 Resp: 122579

Ion Ratio Lower Upper

85 100

87 32.3 19.4 29.2#



Abundance Ion 85.00 (84.70 to 85.70): VV006657.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006657.D (-70) (-)

1.14

100000

80000

60000

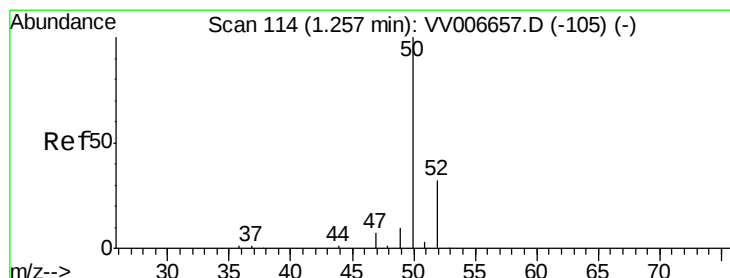
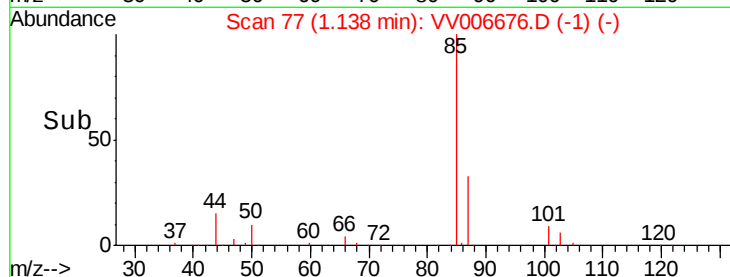
40000

20000

0

1.10 1.20

Time-->



#3

Chloromethane

Concen: 4.540 ug/L

RT: 1.26 min Scan# 115

Delta R.T. 0.00 min

Lab File: VV006676.D

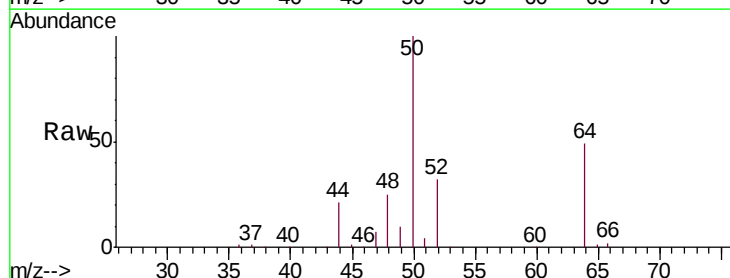
Acq: 20 Jul 2018 19:38

Tgt Ion: 50 Resp: 84896

Ion Ratio Lower Upper

50 100

52 32.2 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VV006657.D (-105) (-)

Ion 52.05 (51.75 to 52.75): VV006657.D (-105) (-)

1.26

60000

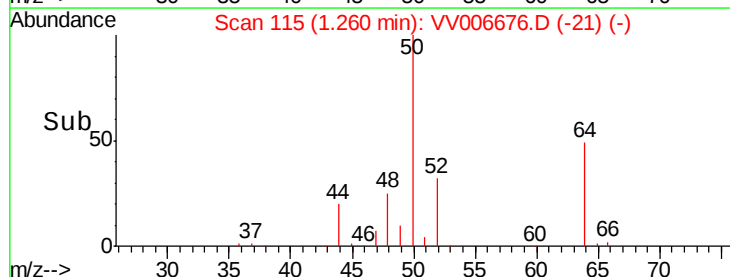
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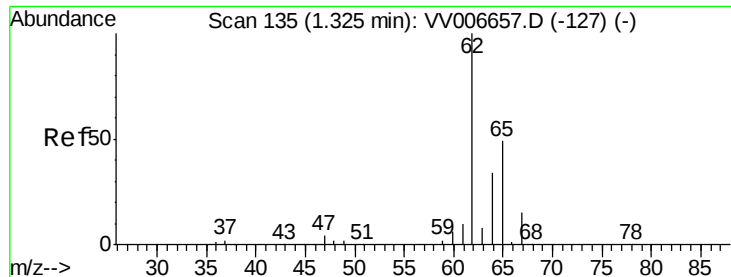
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.218 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

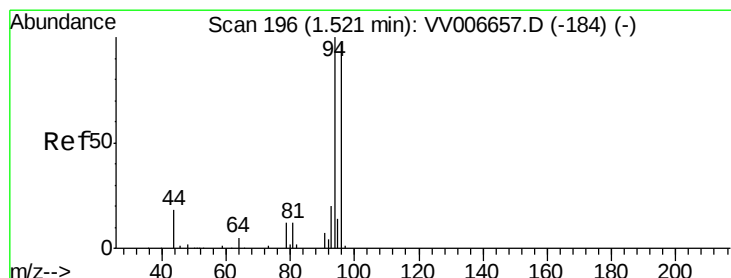
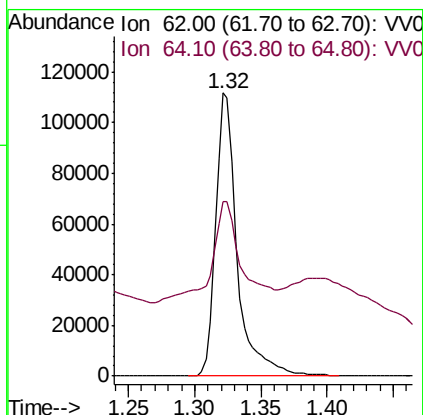
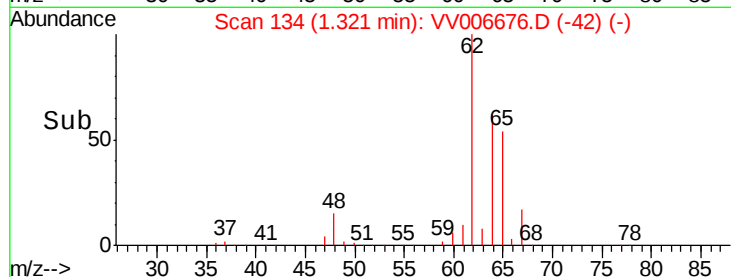
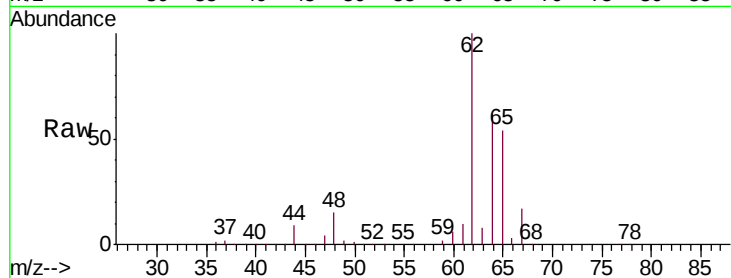
C0AA7

Tgt Ion: 62 Resp: 126038

Ion Ratio Lower Upper

62 100

64 61.8 23.7 44.1#



#6

Bromomethane

Concen: 2.126 ug/L

RT: 1.52 min Scan# 195

Delta R.T. -0.00 min

Lab File: VV006676.D

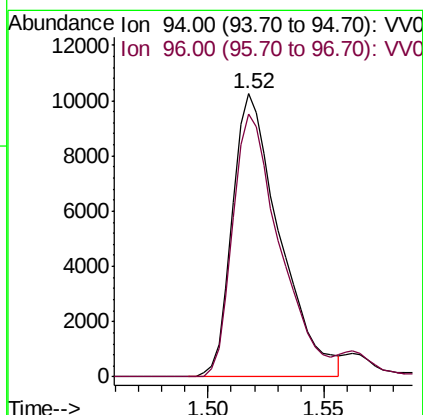
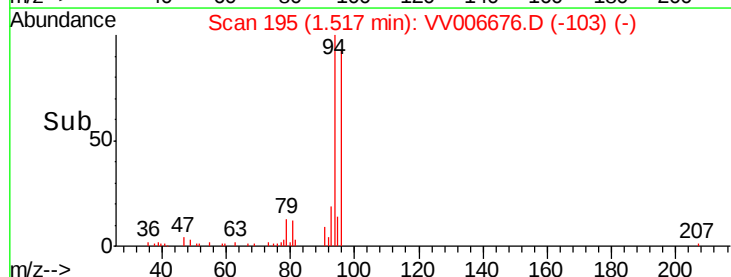
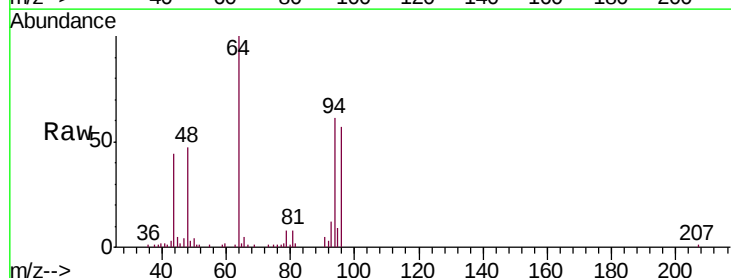
Acq: 20 Jul 2018 19:38

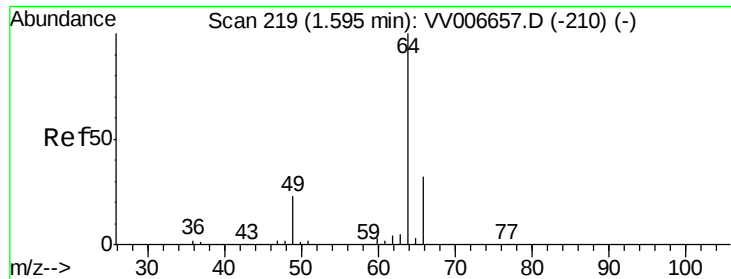
Tgt Ion: 94 Resp: 14561

Ion Ratio Lower Upper

94 100

96 93.0 64.5 119.7





#8

Chloroethane

Concen: 5.635 ug/L

RT: 1.59 min Scan# 217

Delta R.T. -0.01 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

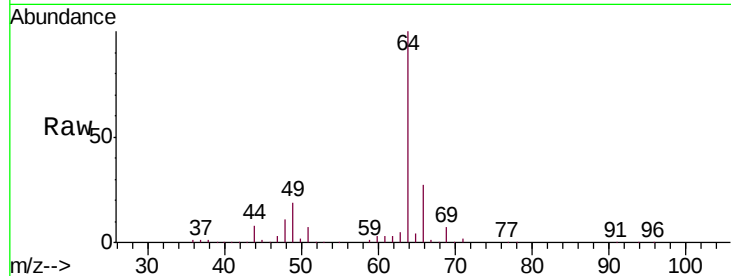
C0AA7

Tgt Ion: 64 Resp: 78188

Ion Ratio Lower Upper

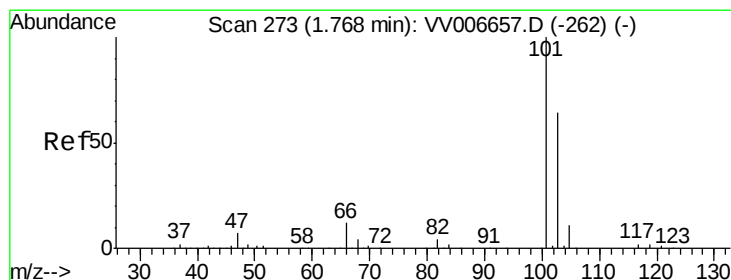
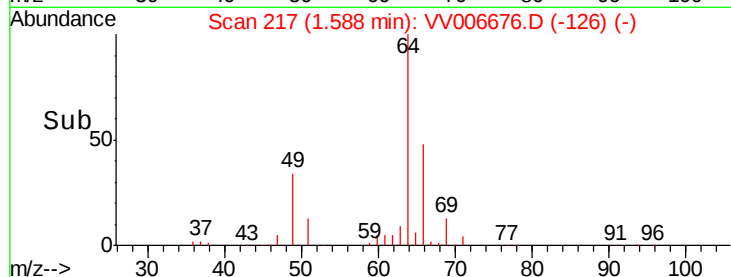
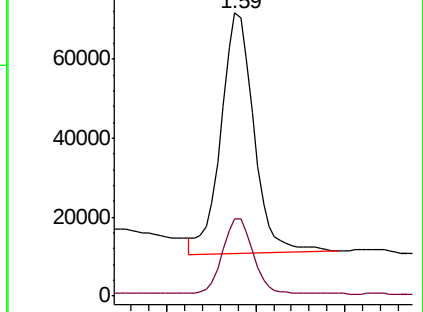
64 100

66 27.5 21.1 39.3



Abundance Ion 64.10 (63.80 to 64.80): VV006657.D (-210) (-)

Ion 66.05 (65.75 to 66.75): VV006657.D (-210) (-)



#9

Trichlorofluoromethane

Concen: 5.550 ug/L

RT: 1.77 min Scan# 272

Delta R.T. -0.00 min

Lab File: VV006676.D

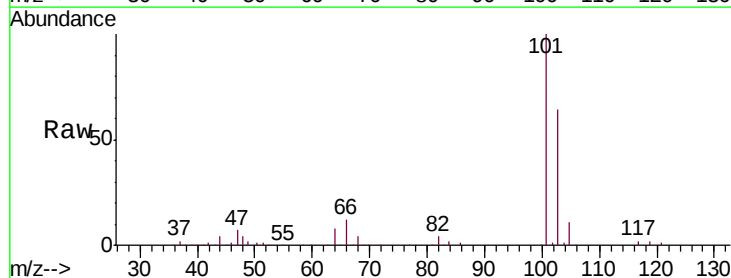
Acq: 20 Jul 2018 19:38

Tgt Ion: 101 Resp: 160863

Ion Ratio Lower Upper

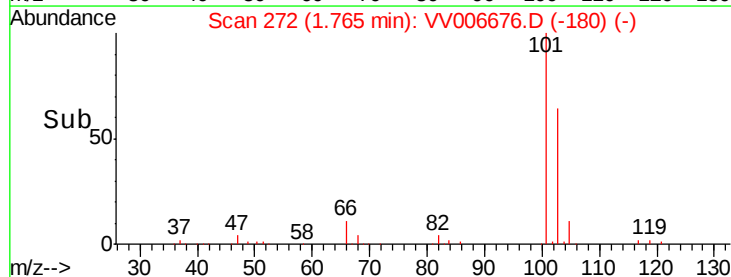
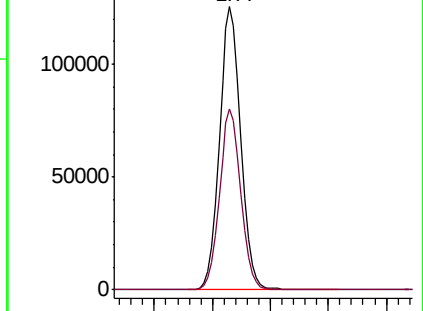
101 100

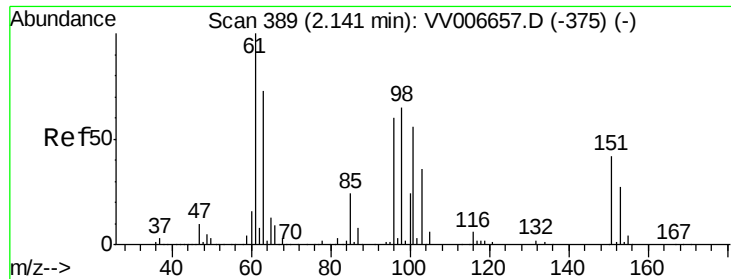
103 64.1 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VV006657.D (-262) (-)

Ion 103.00 (102.70 to 103.70): VV006657.D (-262) (-)





#10

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

Concen: 5.480 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

C0AA7

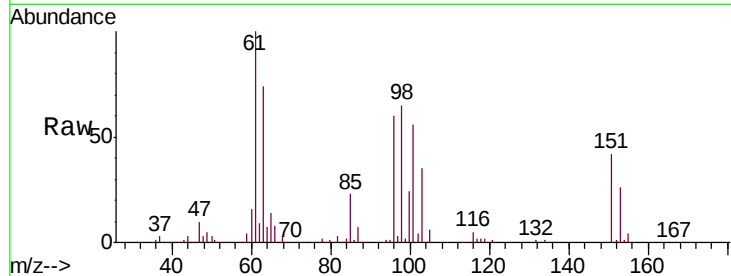
Tgt Ion: 101 Resp: 99558

Ion Ratio Lower Upper

101 100

85 42.0 33.7 50.5

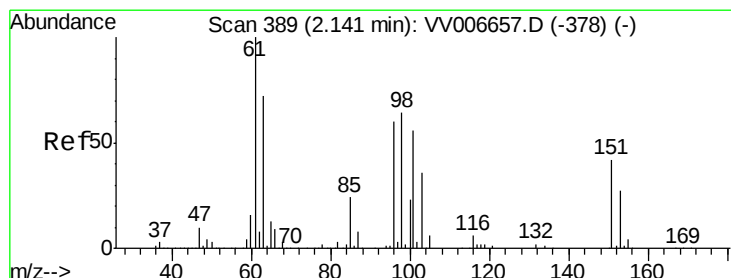
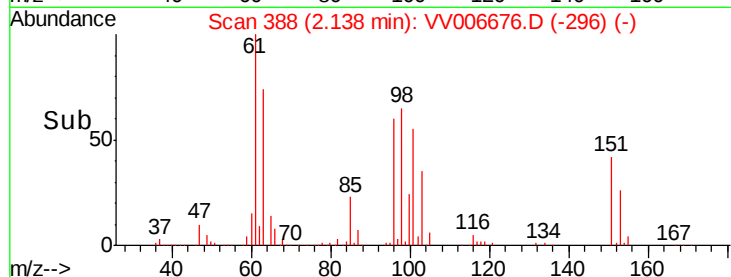
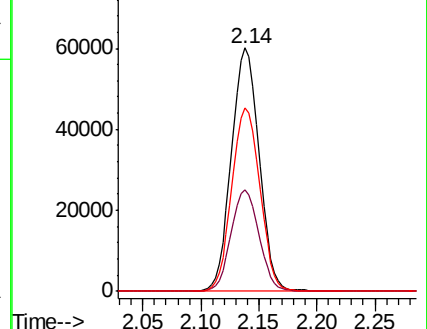
151 76.4 61.0 91.6



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: 5.452 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

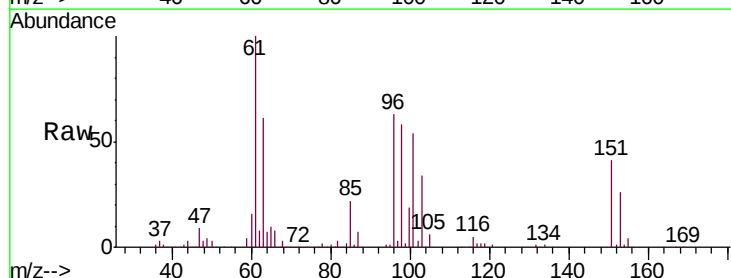
Tgt Ion: 96 Resp: 93872

Ion Ratio Lower Upper

96 100

61 159.8 115.1 213.8

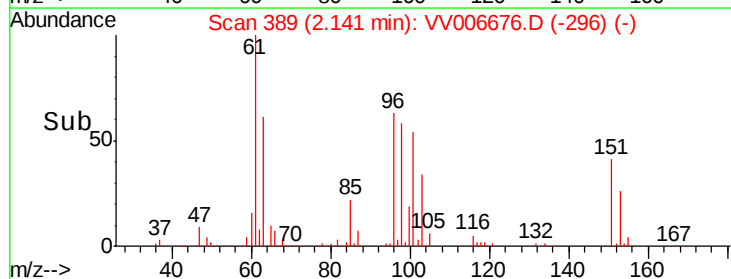
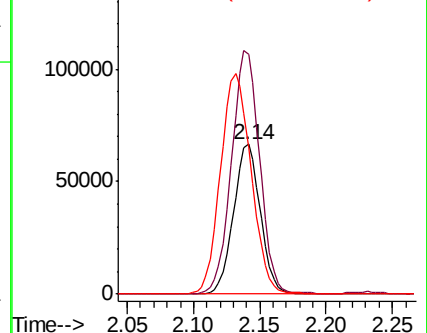
63 97.4 77.2 143.4

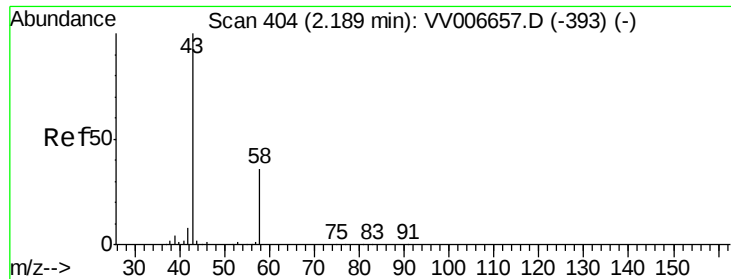


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.426 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

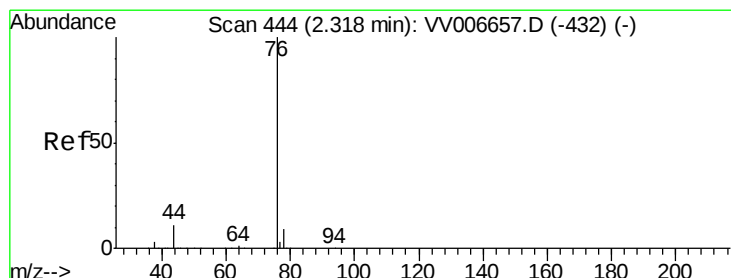
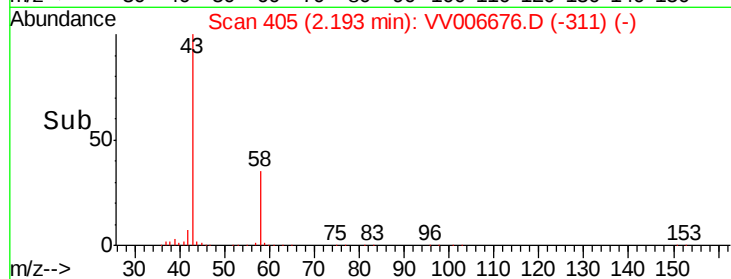
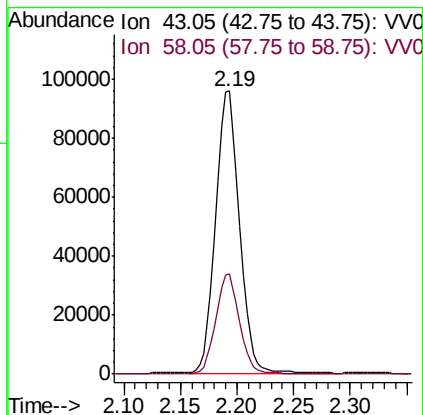
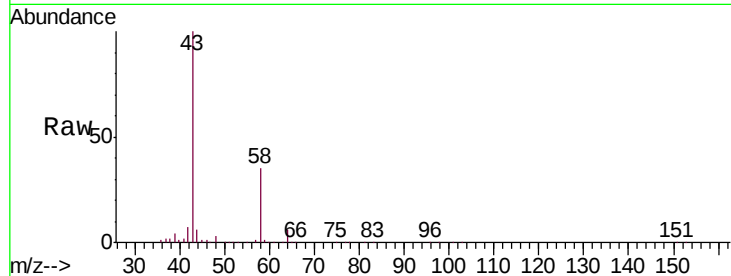
Instrument :
MSVOA_V
ClientSampleId :
C0AA7

Tgt Ion: 43 Resp: 139803

Ion Ratio Lower Upper

43 100

58 35.5 0.0 72.8



#14

Carbon disulfide

Concen: 5.562 ug/L

RT: 2.31 min Scan# 443

Delta R.T. -0.00 min

Lab File: VV006676.D

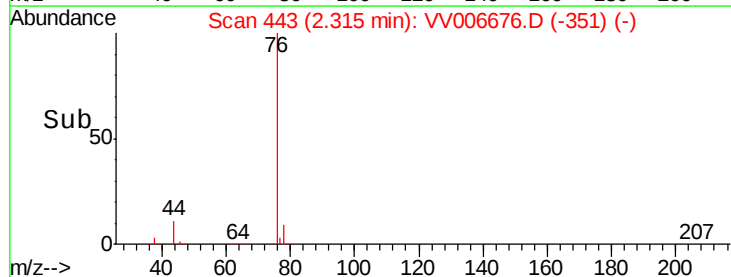
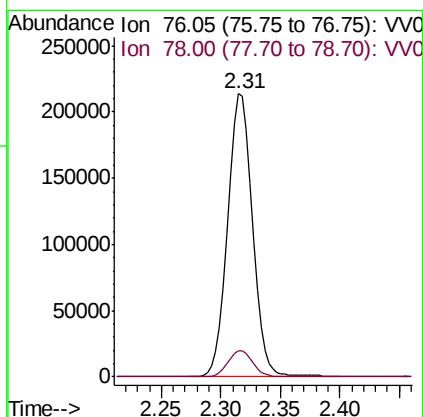
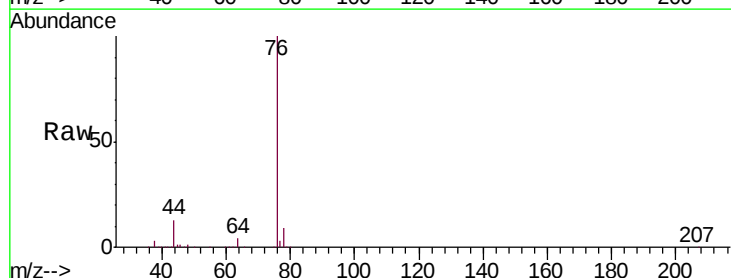
Acq: 20 Jul 2018 19:38

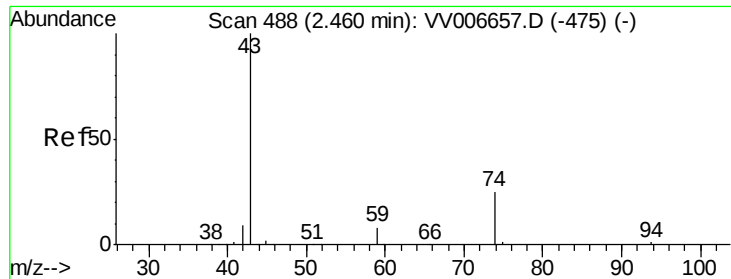
Tgt Ion: 76 Resp: 310537

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 5.167 ug/L

RT: 2.46 min Scan# 488

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

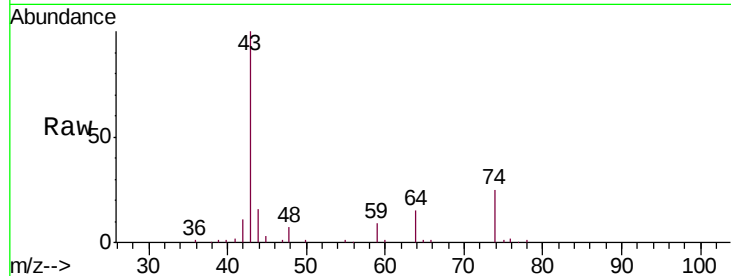
C0AA7

Tgt Ion: 43 Resp: 41216

Ion Ratio Lower Upper

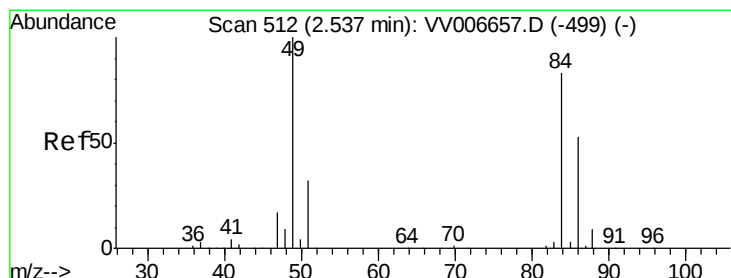
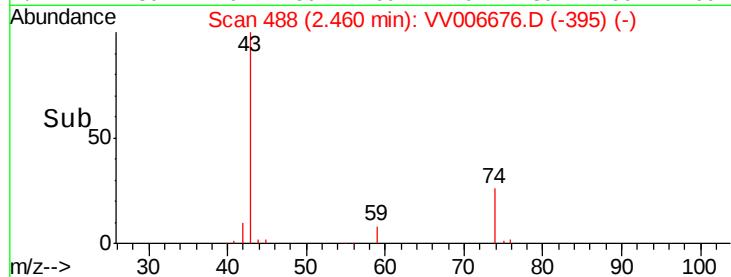
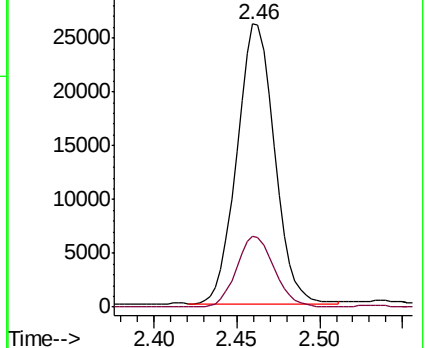
43 100

74 25.3 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VV006676.D (-395) (-)

Ion 74.05 (73.75 to 74.75): VV006676.D (-395) (-)



#16

Methylene chloride

Concen: 4.692 ug/L

RT: 2.54 min Scan# 512

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

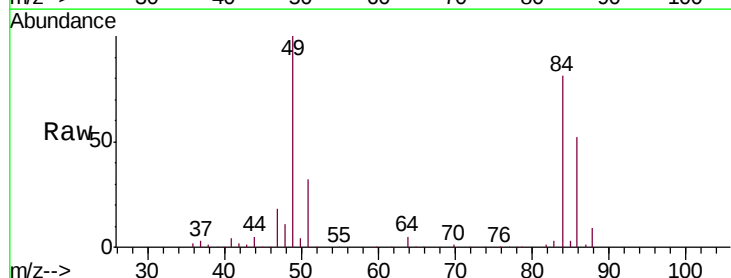
Tgt Ion: 84 Resp: 101639

Ion Ratio Lower Upper

84 100

86 64.2 45.4 84.2

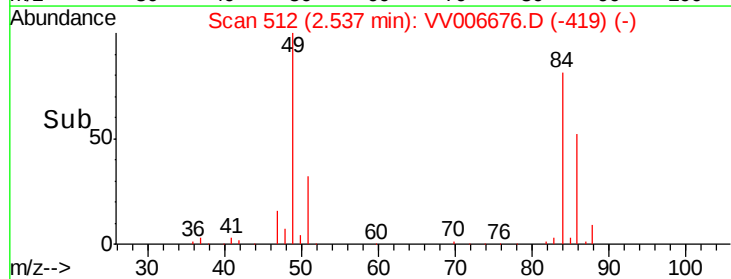
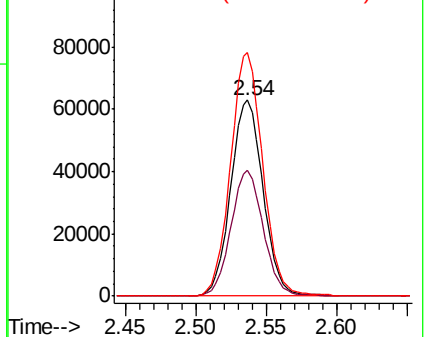
49 124.1 85.1 158.1

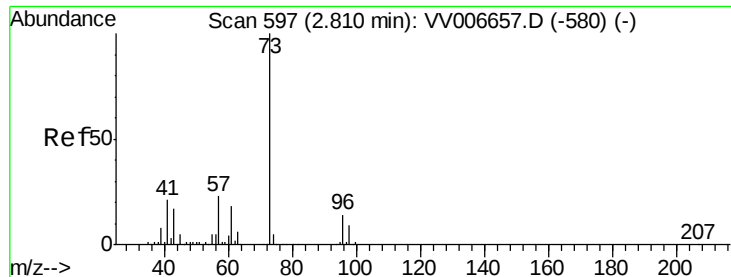


Abundance Ion 84.05 (83.75 to 84.75): VV006676.D (-419) (-)

Ion 86.00 (85.70 to 86.70): VV006676.D (-419) (-)

Ion 49.10 (48.80 to 49.80): VV006676.D (-419) (-)





#17

Methyl tert-butyl Ether

Concen: 5.337 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

C0AA7

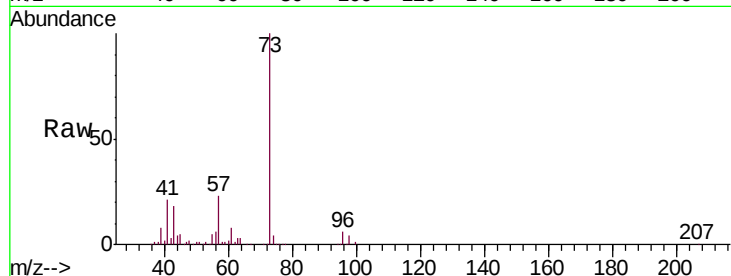
Tgt Ion: 73 Resp: 226830

Ion Ratio Lower Upper

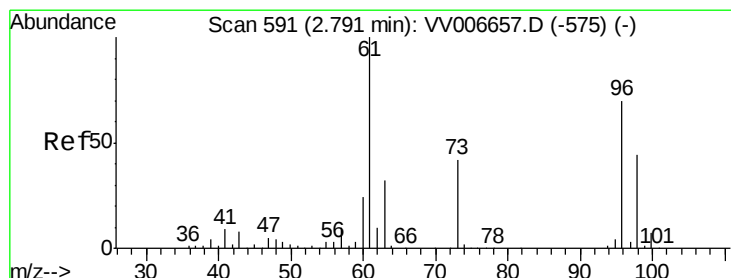
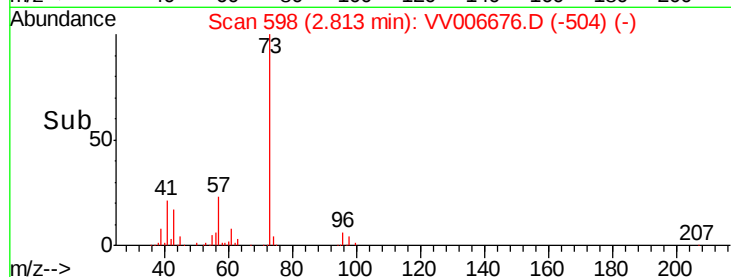
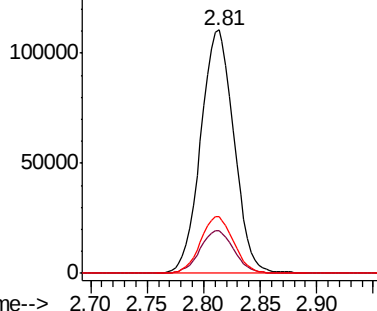
73 100

43 17.5 13.9 20.9

57 23.2 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV0
150000
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.415 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

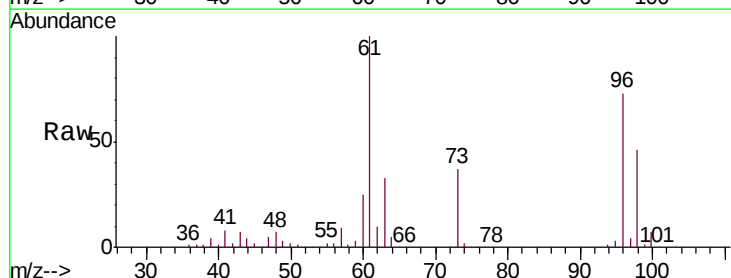
Tgt Ion: 96 Resp: 102764

Ion Ratio Lower Upper

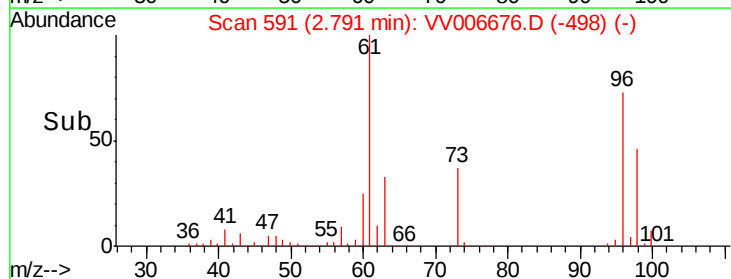
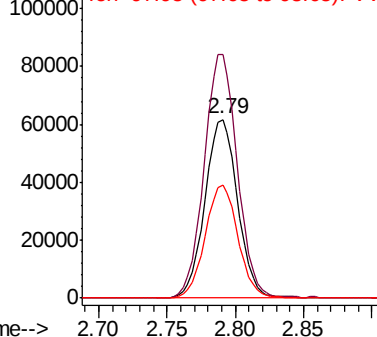
96 100

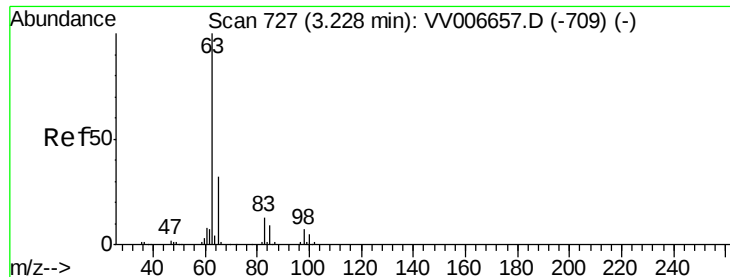
61 136.1 96.0 178.4

98 63.1 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
100000
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.781 ug/L

RT: 3.23 min Scan# 727

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

C0AA7

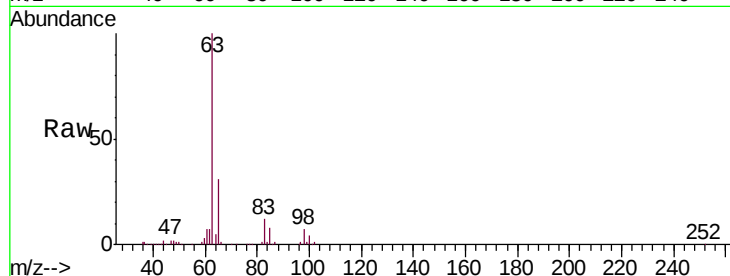
Tgt Ion: 63 Resp: 193694

Ion Ratio Lower Upper

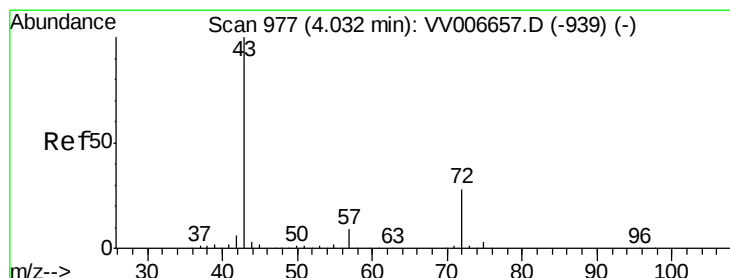
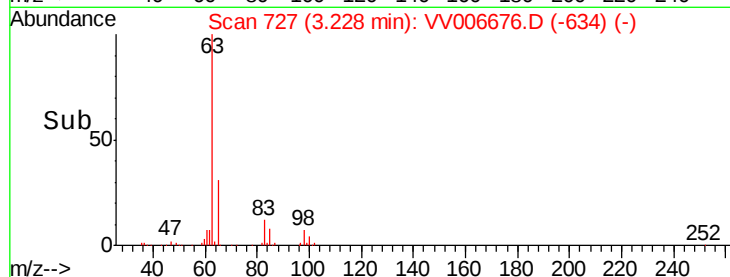
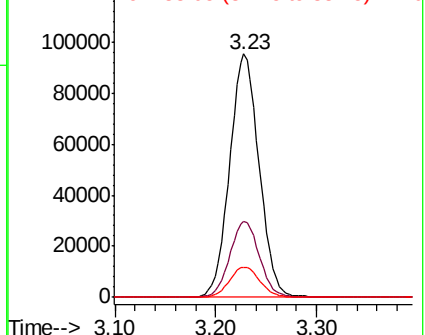
63 100

65 31.3 22.1 41.1

83 12.4 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 51.318 ug/L

RT: 4.04 min Scan# 979

Delta R.T. 0.01 min

Lab File: VV006676.D

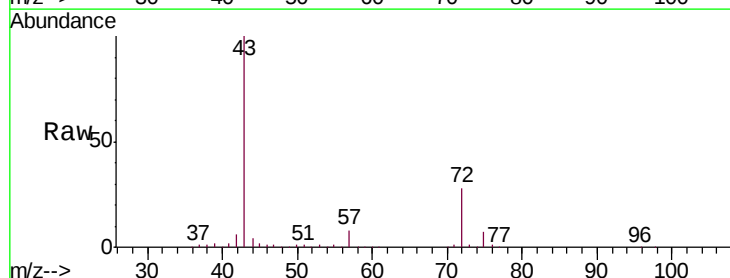
Acq: 20 Jul 2018 19:38

Tgt Ion: 43 Resp: 233667

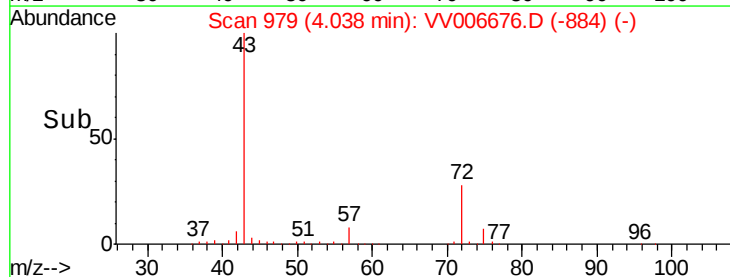
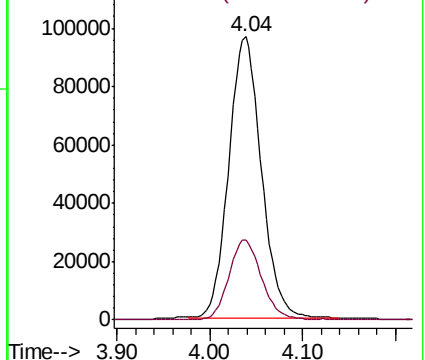
Ion Ratio Lower Upper

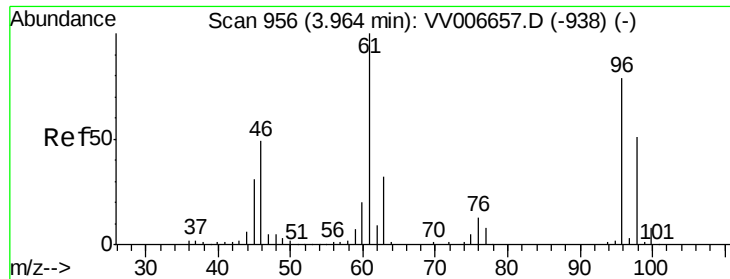
43 100

72 28.2 13.9 41.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0



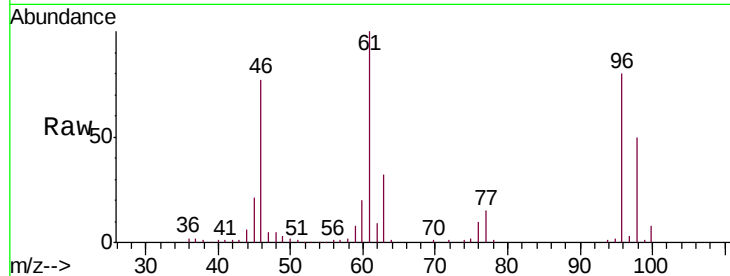


#22

cis-1,2-Dichloroethene
 Concen: 5.534 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

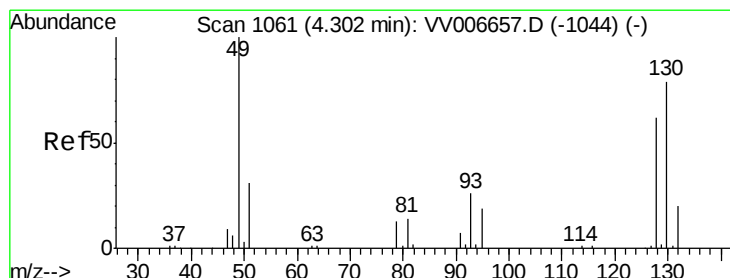
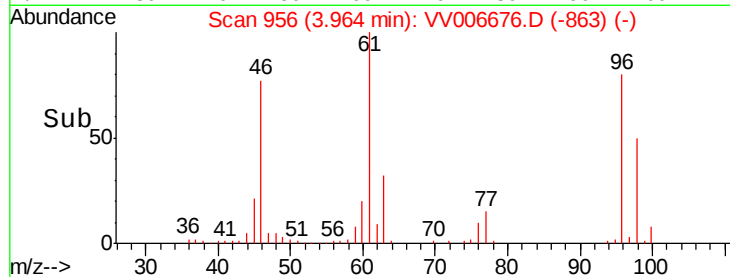
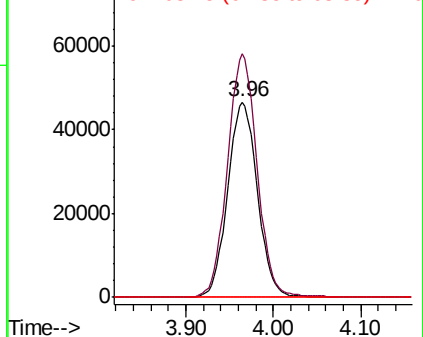
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA7

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.8	86.2	160.0
68	0.0	0.0	0.0



Abundance

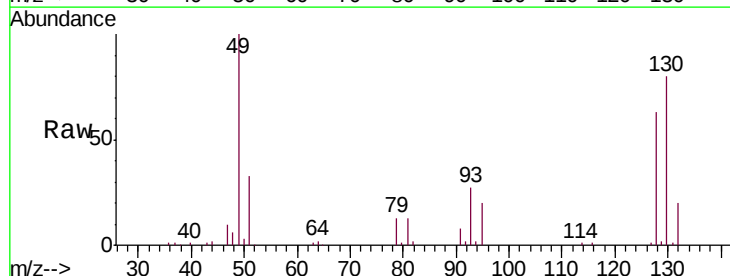
Ion 96.00 (95.70 to 96.70): VV006676.D (-968) (-)



#23

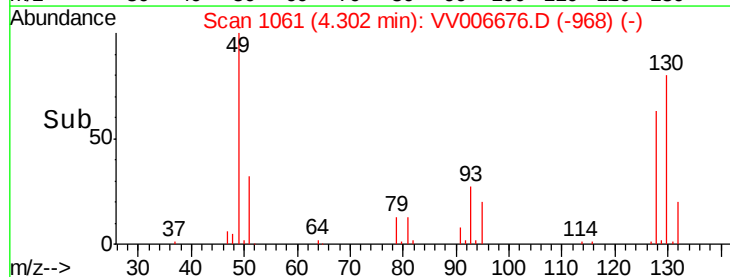
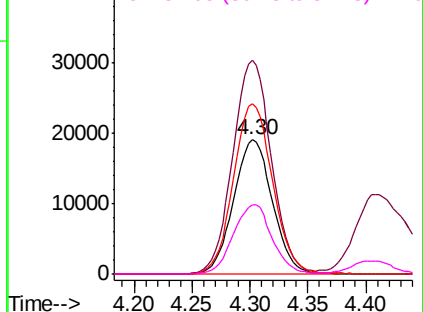
Bromochloromethane
 Concen: 5.503 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

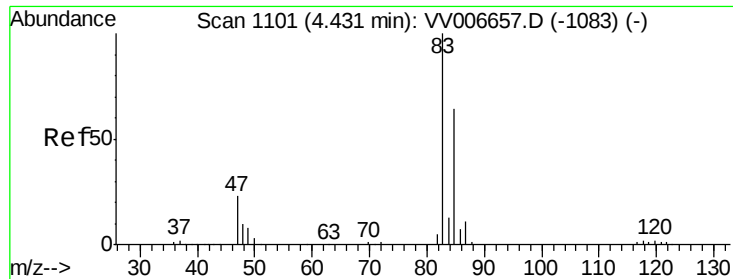
Tgt Ion	Ratio	Lower	Upper
128	100		
49	159.4	113.0	209.8
130	127.2	89.3	165.9
51	51.9	40.9	61.3



Abundance

Ion 127.90 (127.60 to 128.60): VV006676.D (-968) (-)

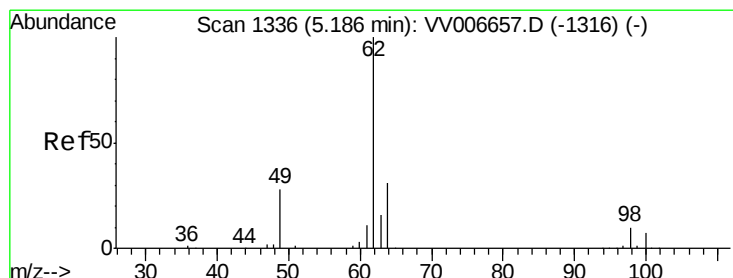
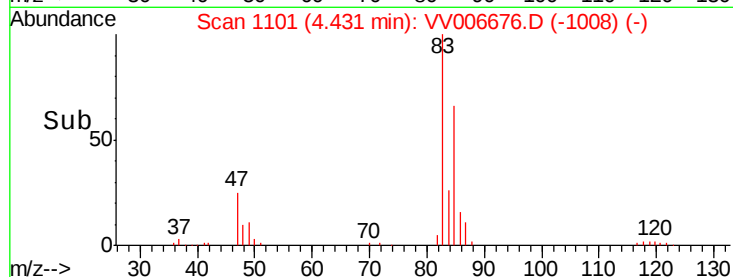
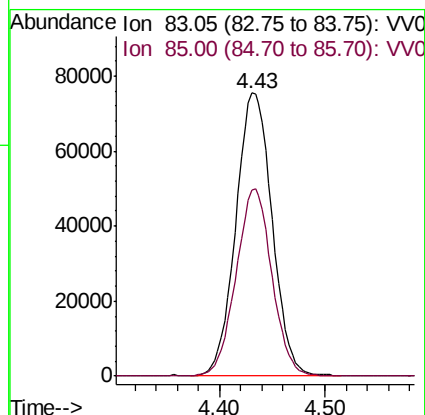
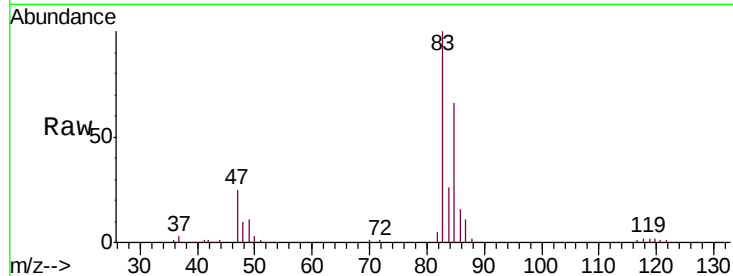




#25
Chloroform
Concen: 5.593 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV006676.D
Acq: 20 Jul 2018 19:38

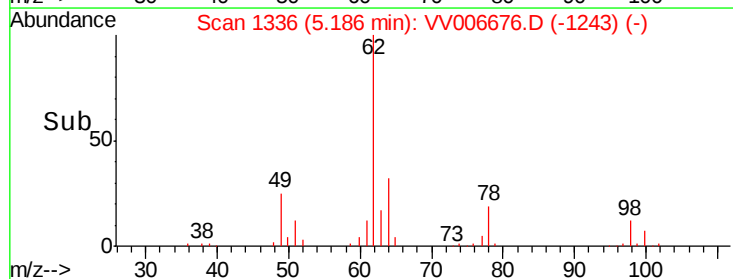
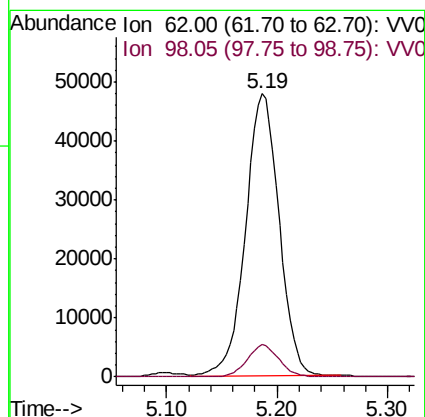
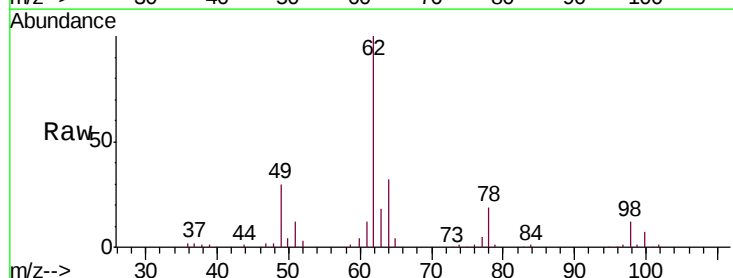
Instrument :
MSVOA_V
ClientSampleId :
C0AA7

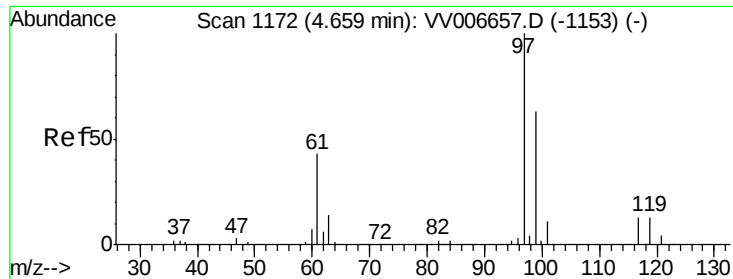
Tgt Ion: 83 Resp: 180566
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.364 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV006676.D
Acq: 20 Jul 2018 19:38

Tgt Ion: 62 Resp: 101182
Ion Ratio Lower Upper
62 100
98 11.5 8.4 12.6

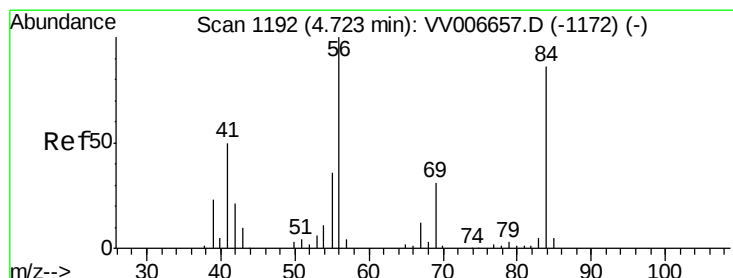
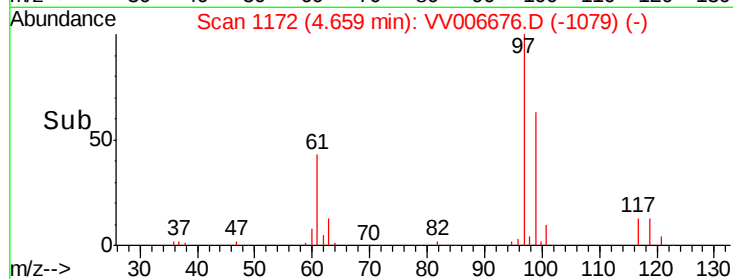
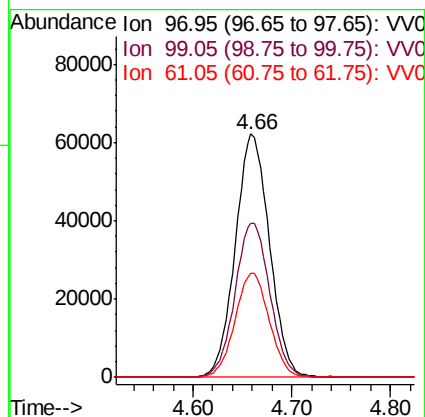
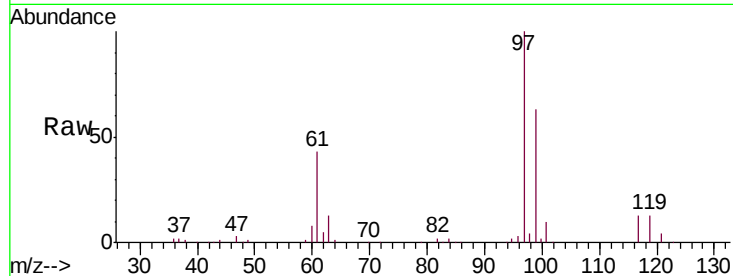




#29
 1,1,1-Trichloroethane
 Concen: 5.571 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

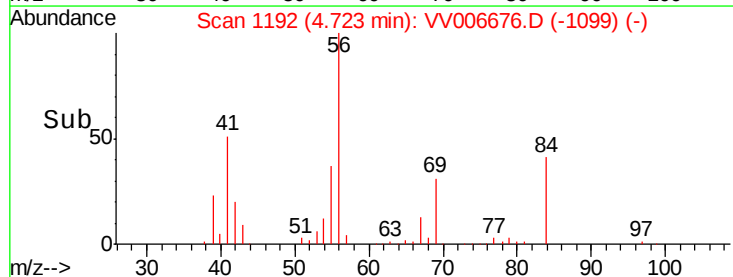
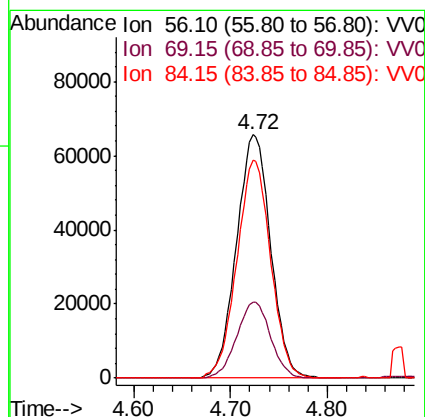
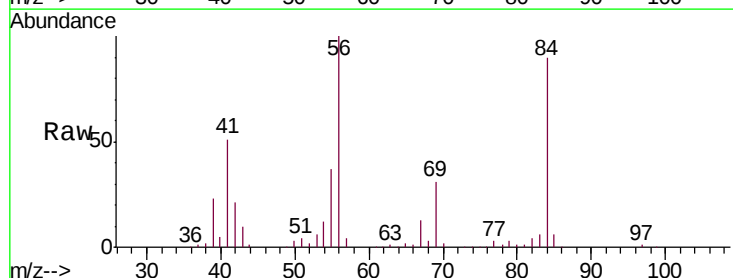
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA7

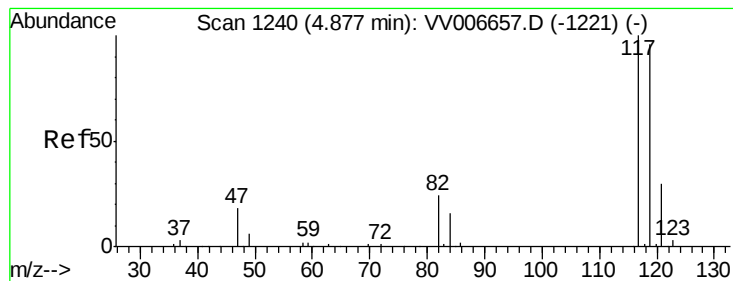
Tgt Ion: 97 Resp: 149993
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.5 77.3
 61 43.1 35.4 53.2



#30
 Cyclohexane
 Concen: 5.350 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

Tgt Ion: 56 Resp: 161036
 Ion Ratio Lower Upper
 56 100
 69 31.0 24.0 36.0
 84 88.5 71.0 106.6





#31

Carbon tetrachloride

Concen: 5.509 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

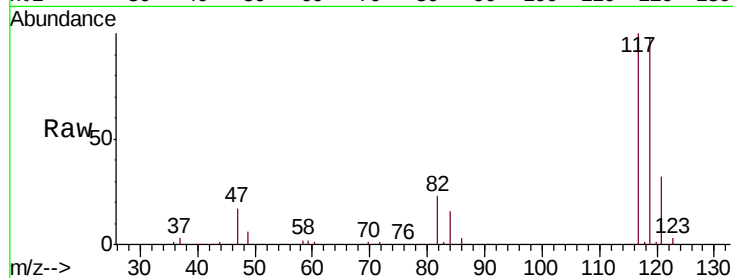
C0AA7

Tgt Ion:117 Resp: 126866

Ion Ratio Lower Upper

117 100

119 96.4 77.0 115.6



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

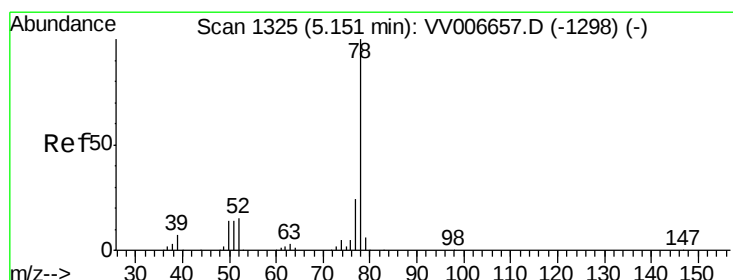
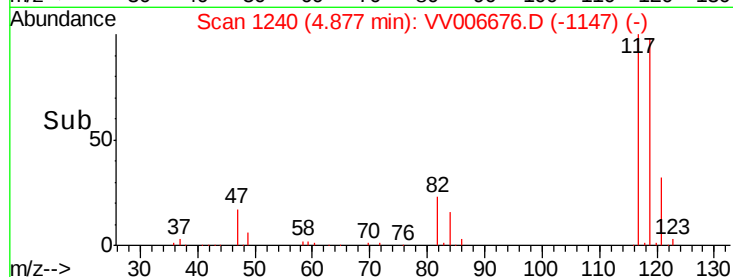
20000

10000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 5.516 ug/L

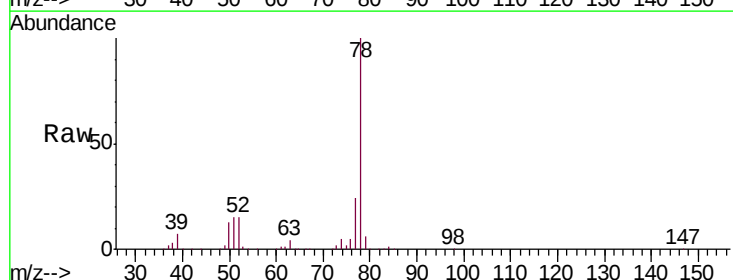
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Tgt Ion: 78 Resp: 417953



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

200000

150000

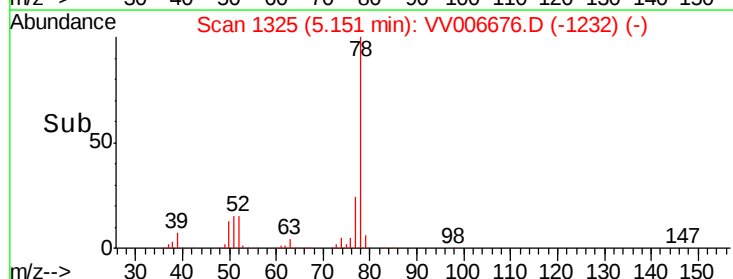
100000

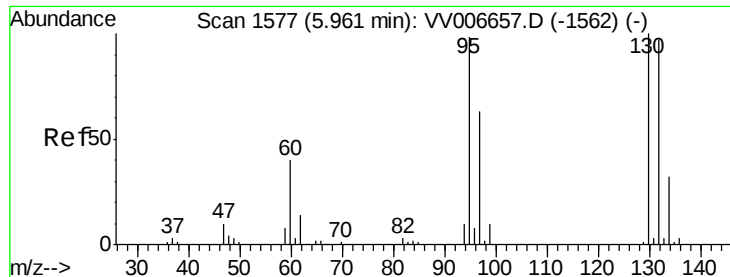
50000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 5.345 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

C0AA7

Tgt Ion: 95 Resp: 102471

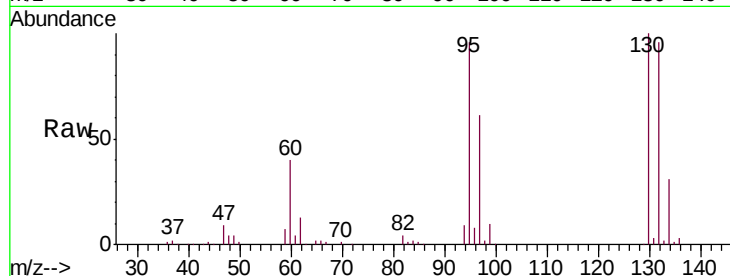
Ion Ratio Lower Upper

95 100

97 63.4 45.3 84.1

132 100.2 70.3 130.7

130 104.2 73.7 136.9

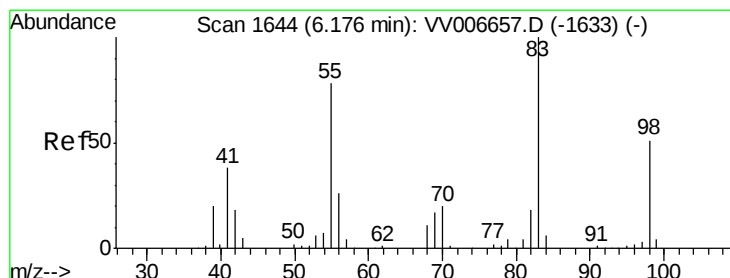
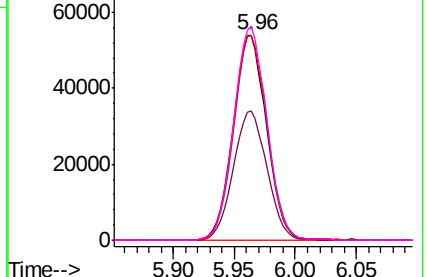
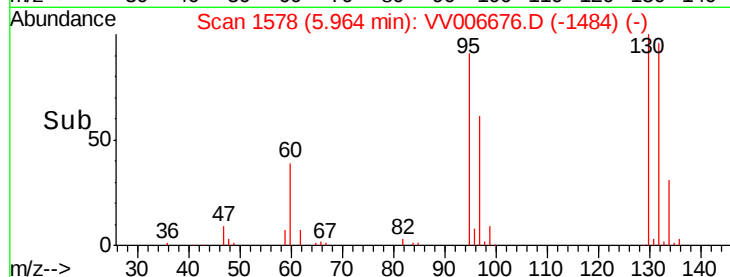


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 5.419 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

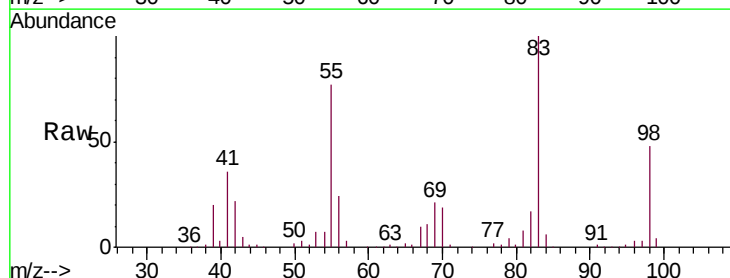
Tgt Ion: 83 Resp: 173393

Ion Ratio Lower Upper

83 100

55 76.8 61.3 91.9

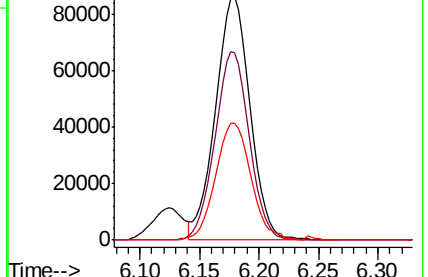
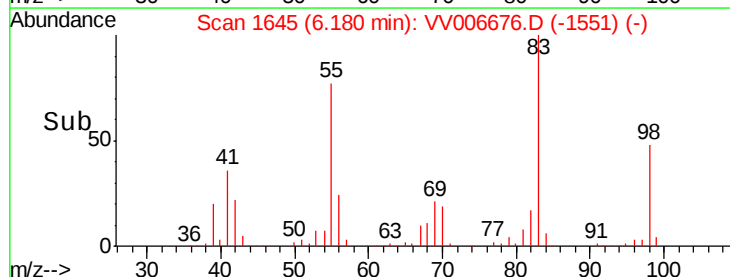
98 49.4 39.4 59.0

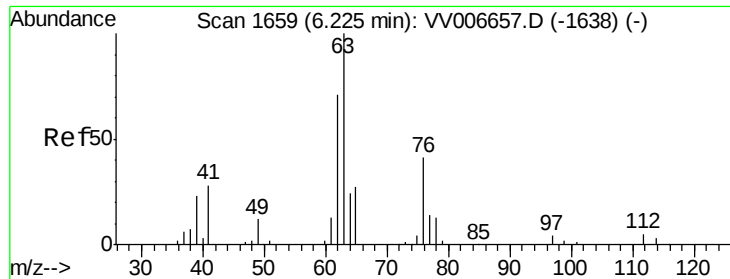


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

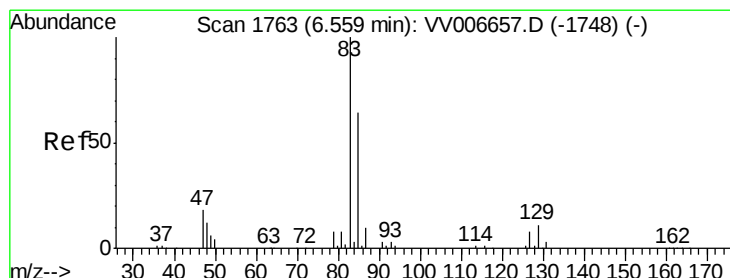
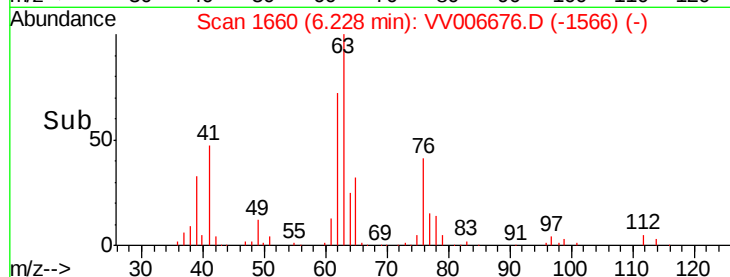
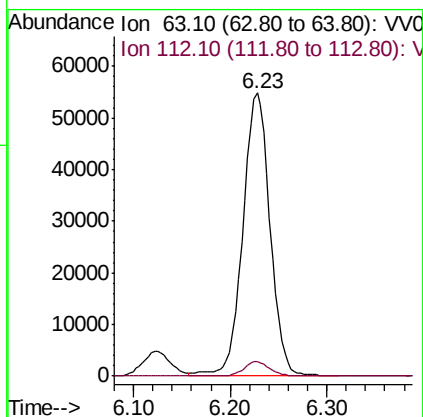
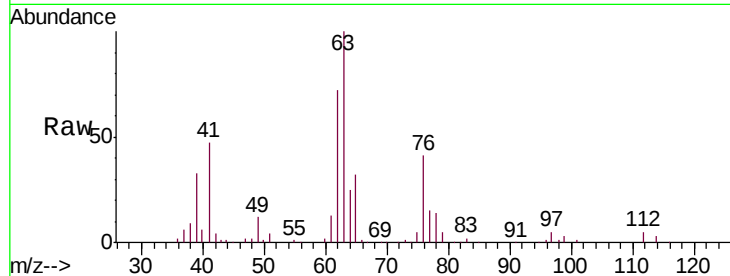




#37
 1,2-Dichloropropane
 Concen: 5.532 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

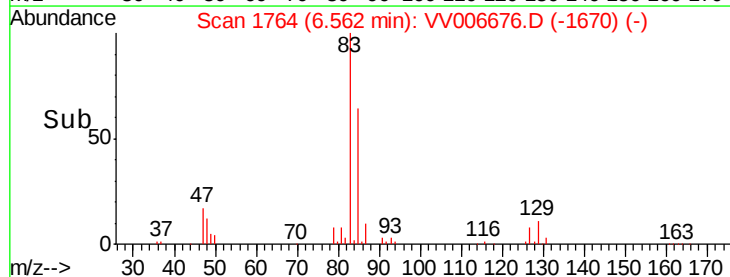
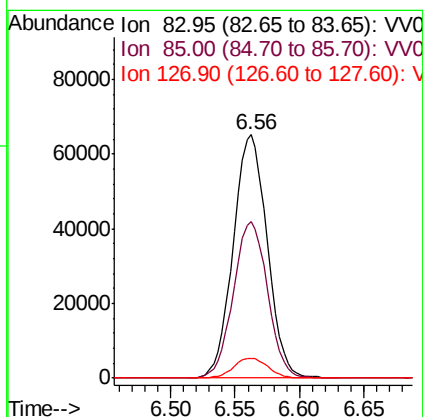
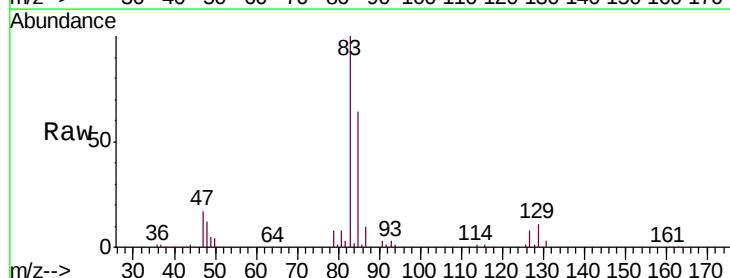
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA7

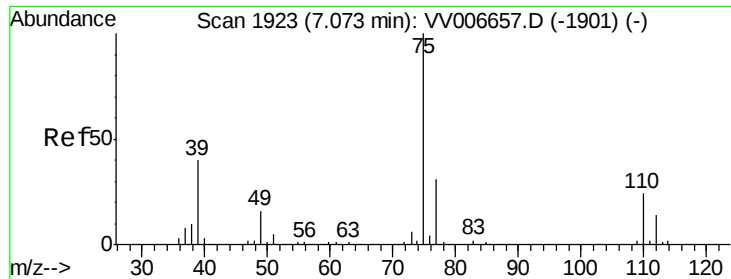
Tgt Ion: 63 Resp: 106940
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.569 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

Tgt Ion: 83 Resp: 119589
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.3 82.3
 127 8.2 6.5 9.7

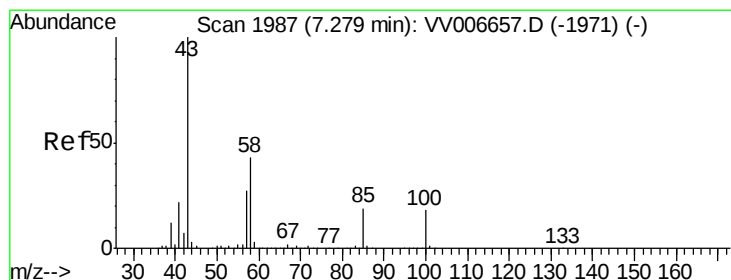
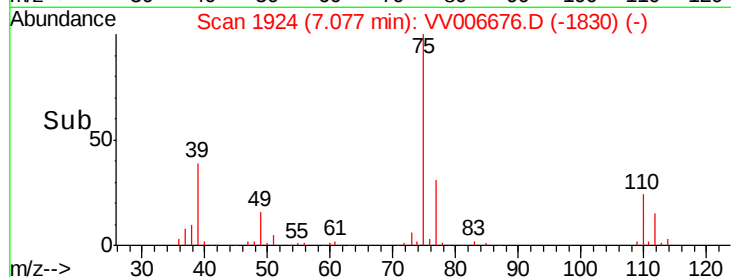
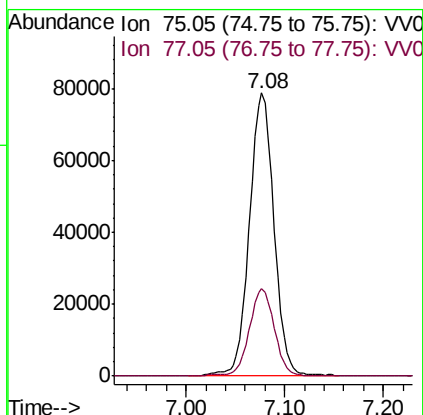
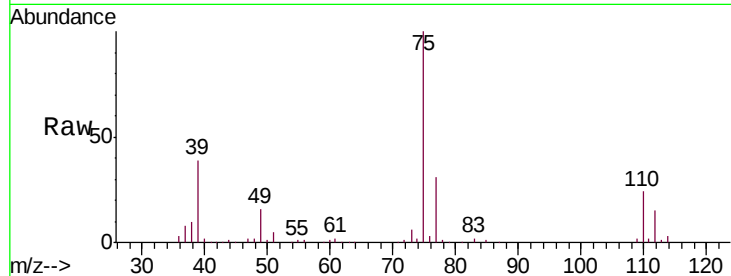




#39
 cis-1,3-Dichloropropene
 Concen: 5.338 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

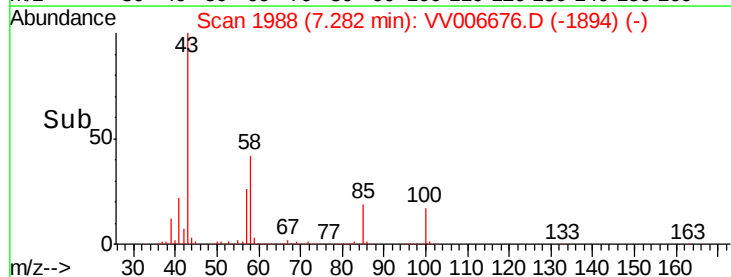
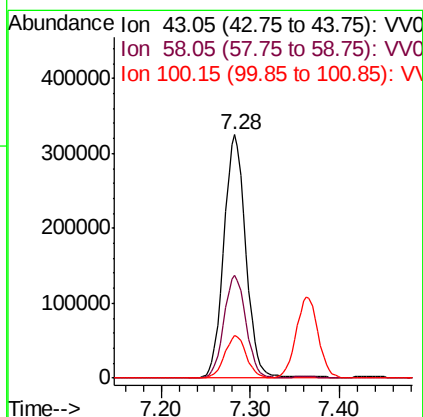
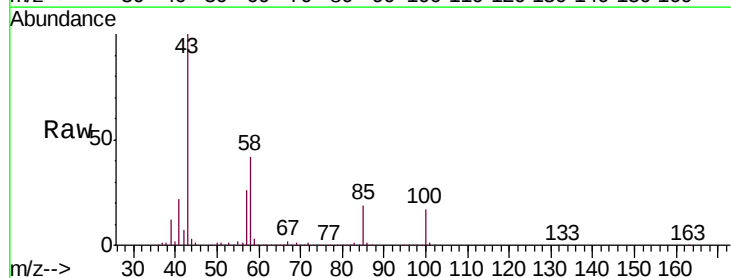
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA7

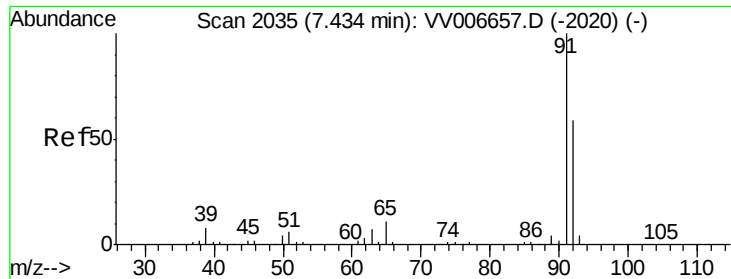
Tgt Ion: 75 Resp: 135690
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 53.512 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

Tgt Ion: 43 Resp: 559164
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.6 50.4
 100 17.0 13.8 20.8





#42

Toluene

Concen: 5.559 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

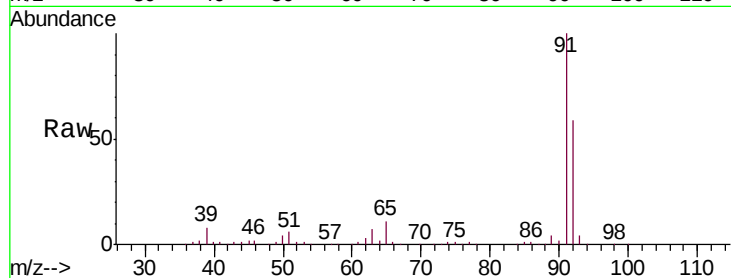
C0AA7

Tgt Ion: 91 Resp: 435382

Ion Ratio Lower Upper

91 100

92 58.6 41.4 76.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

250000

200000

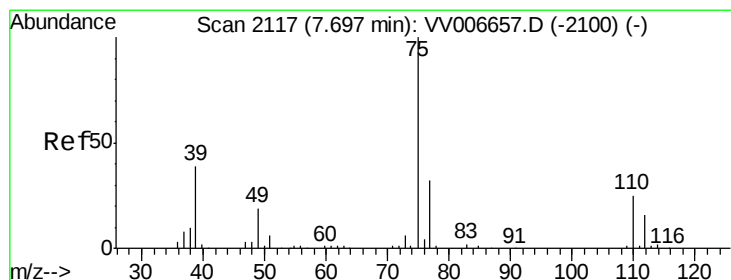
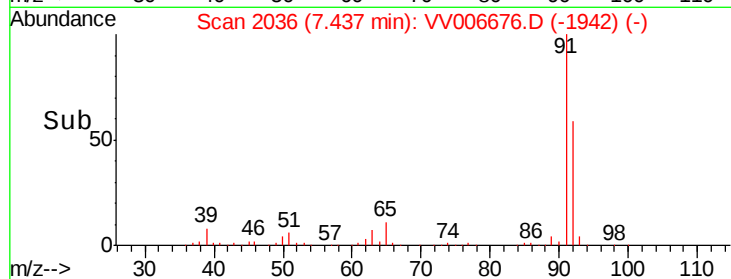
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.215 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006676.D

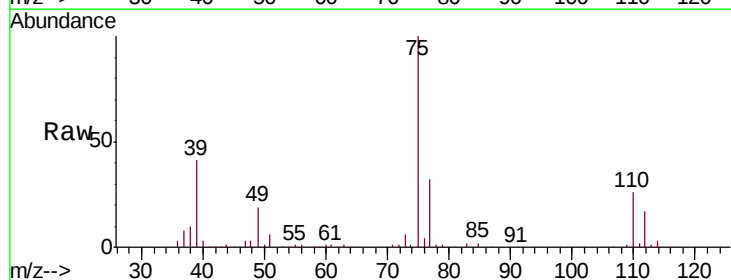
Acq: 20 Jul 2018 19:38

Tgt Ion: 75 Resp: 103067

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

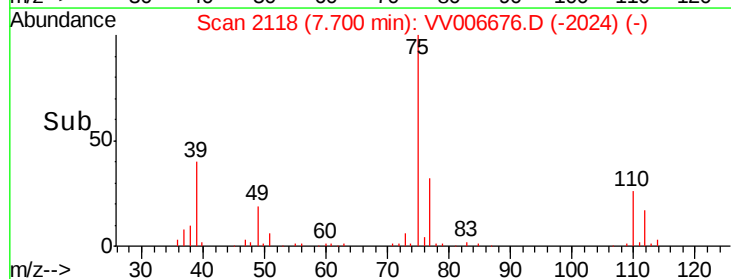
60000

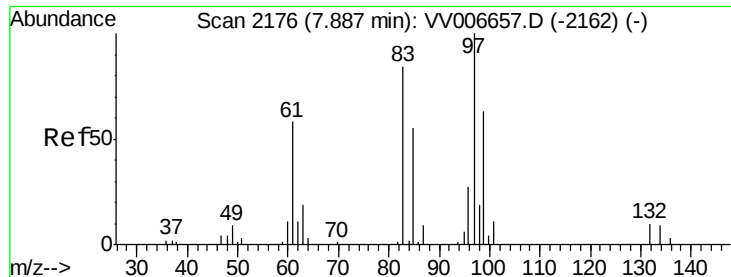
40000

20000

0

Time--> 7.60 7.70 7.80

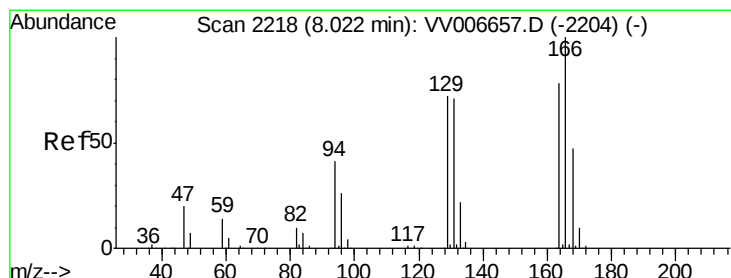
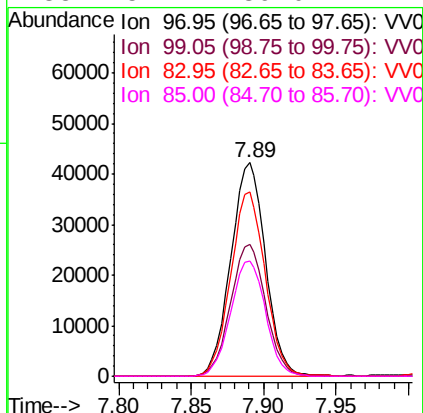
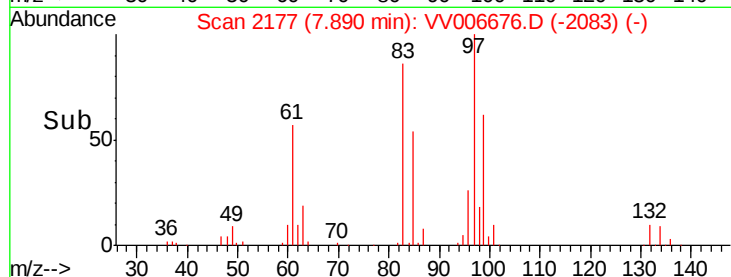
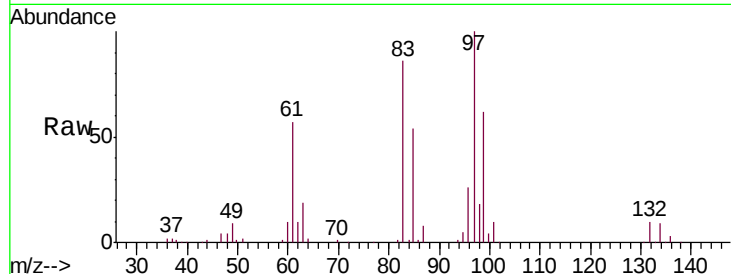




#45
 1,1,2-Trichloroethane
 Concen: 5.385 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

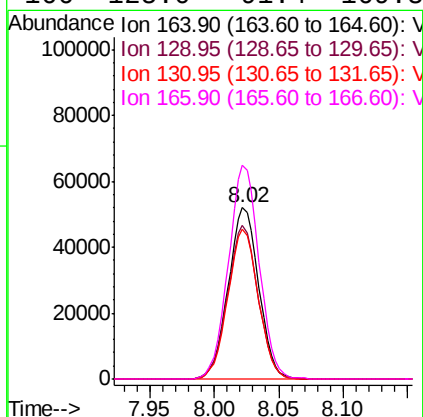
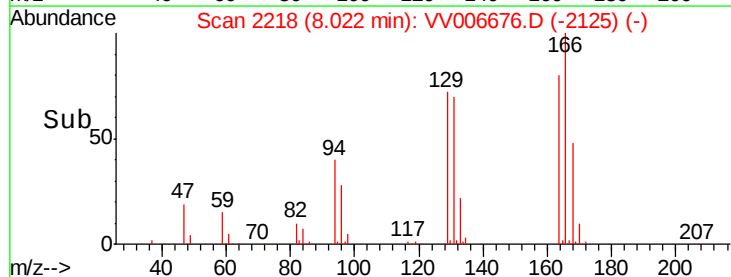
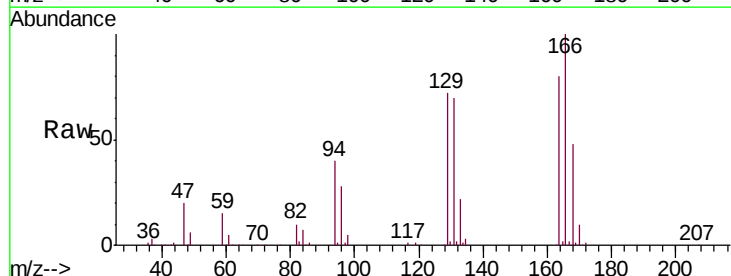
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA7

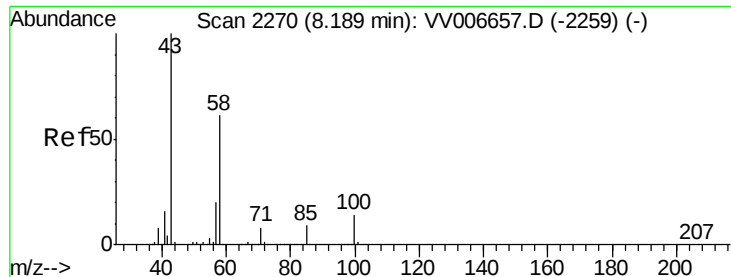
Tgt Ion:	97	Resp:	70037
Ion	Ratio	Lower	Upper
97	100		
99	61.9	45.2	84.0
83	86.0	60.5	112.3
85	54.2	39.0	72.4



#47
 Tetrachloroethene
 Concen: 5.530 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

Tgt Ion:	164	Resp:	85150
Ion	Ratio	Lower	Upper
164	100		
129	89.7	65.9	122.5
131	87.7	62.9	116.7
166	125.0	91.4	169.8

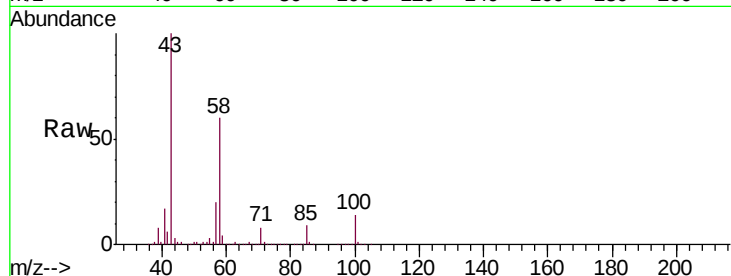




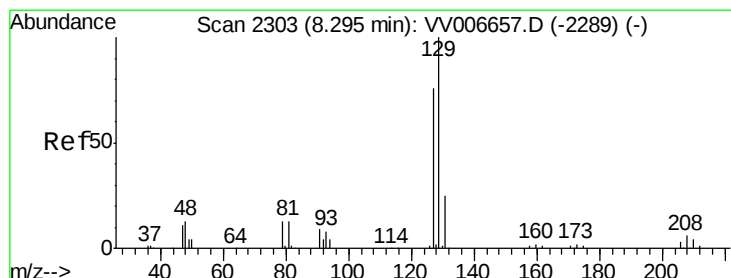
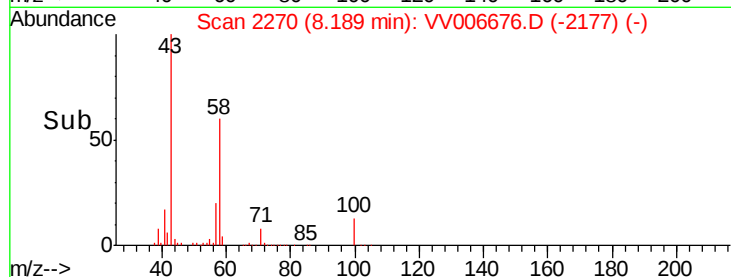
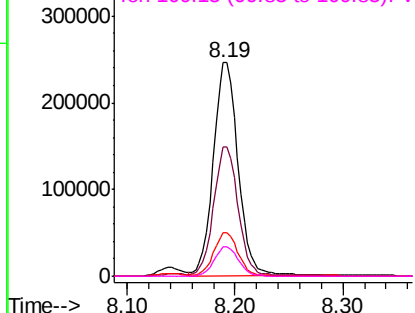
#48
2-Hexanone
Concen: 53.511 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV006676.D
Acq: 20 Jul 2018 19:38

Instrument :
MSVOA_V
ClientSampleId :
C0AA7

Tgt Ion:	43	Resp:	390880
Ion	Ratio	Lower	Upper
43	100		
58	60.7	48.2	72.2
57	20.1	16.2	24.4
100	13.9	11.0	16.4

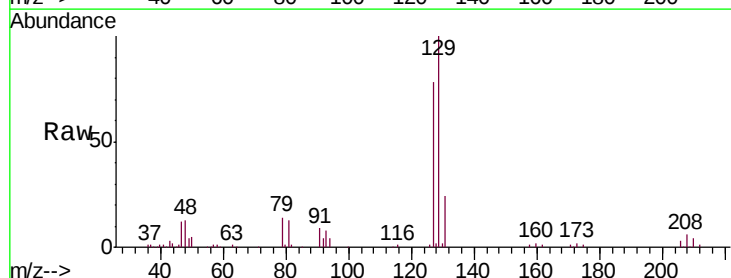


Abundance Ion 43.05 (42.75 to 43.75): VV006676.D (-2177) (-)
Ion 58.05 (57.75 to 58.75): VV006676.D (-2177) (-)
Ion 57.20 (56.90 to 57.90): VV006676.D (-2177) (-)
Ion 100.15 (99.85 to 100.85): VV006676.D (-2177) (-)

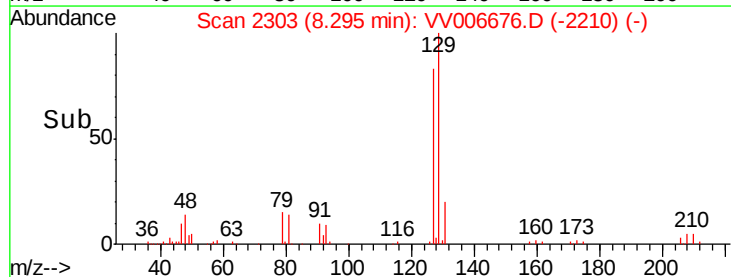
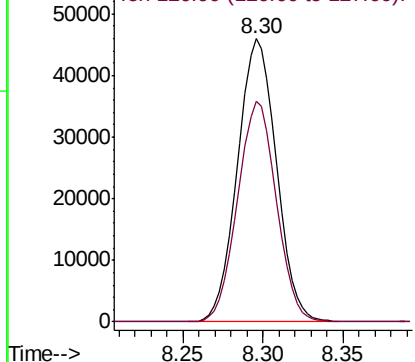


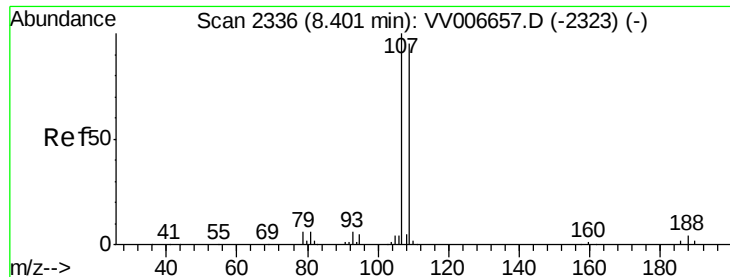
#49
Dibromochloromethane
Concen: 5.542 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006676.D
Acq: 20 Jul 2018 19:38

Tgt Ion:	129	Resp:	76371
Ion	Ratio	Lower	Upper
129	100		
127	77.9	53.6	99.6



Abundance Ion 128.95 (128.65 to 129.65): VV006676.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV006676.D (-2210) (-)

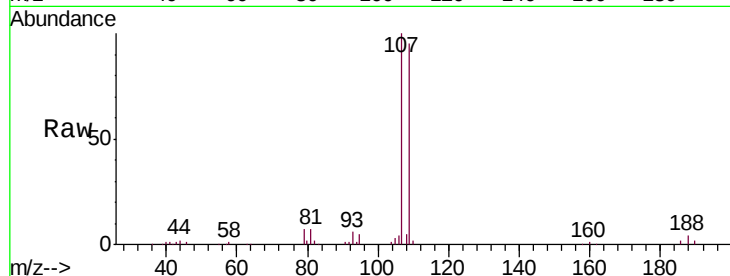




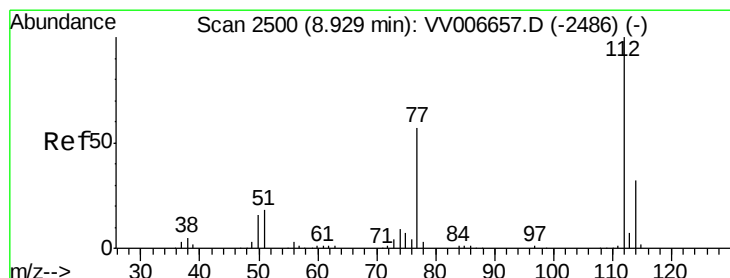
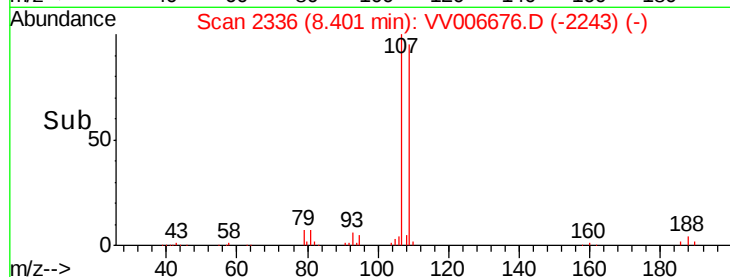
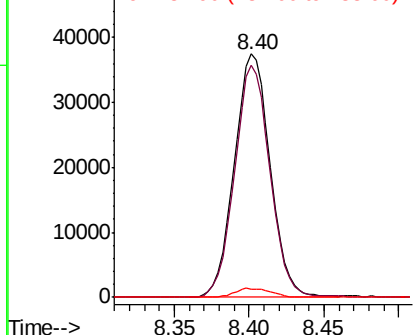
#50
1,2-Dibromoethane
Concen: 5.330 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006676.D
Acq: 20 Jul 2018 19:38

Instrument :
MSVOA_V
ClientSampleId :
C0AA7

Tgt Ion:107 Resp: 62300
Ion Ratio Lower Upper
107 100
109 95.1 66.0 122.6
188 3.6 3.1 4.7

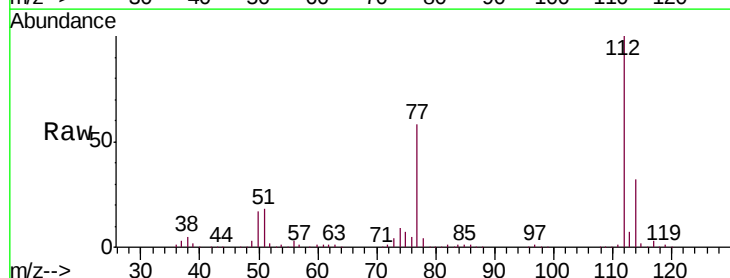


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

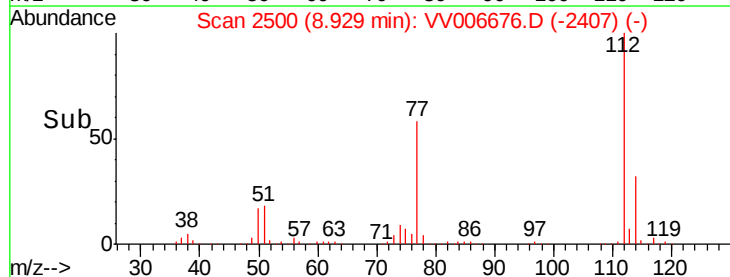
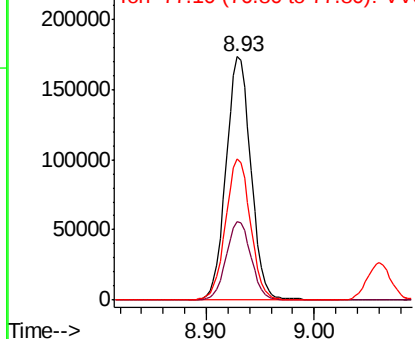


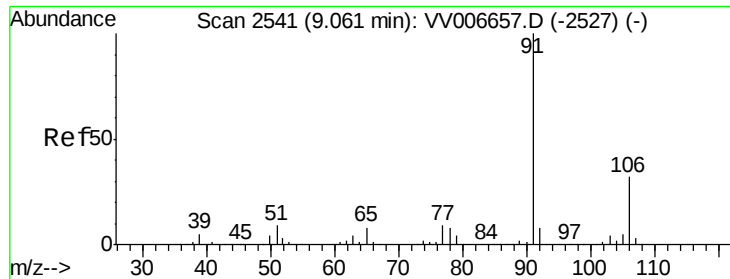
#51
Chlorobenzene
Concen: 5.453 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006676.D
Acq: 20 Jul 2018 19:38

Tgt Ion:112 Resp: 277501
Ion Ratio Lower Upper
112 100
114 32.1 21.8 40.4
77 57.9 46.6 69.8



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): VV0





#52

Ethylbenzene

Concen: 5.576 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

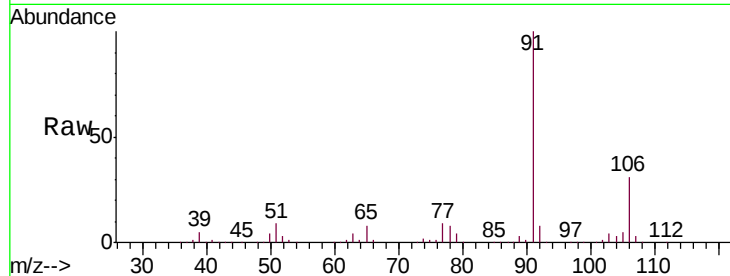
Instrument :
MSVOA_V
ClientSampleId :
C0AA7

Tgt Ion: 91 Resp: 468816

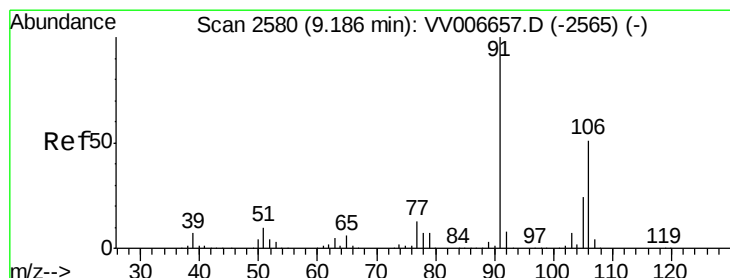
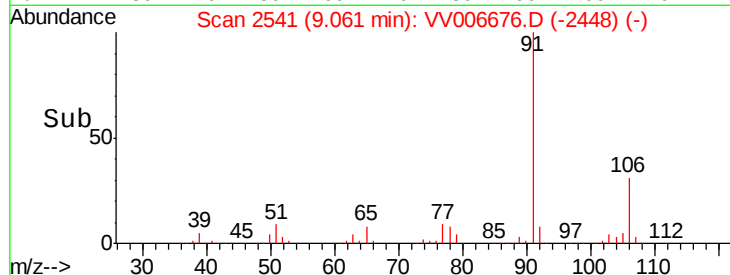
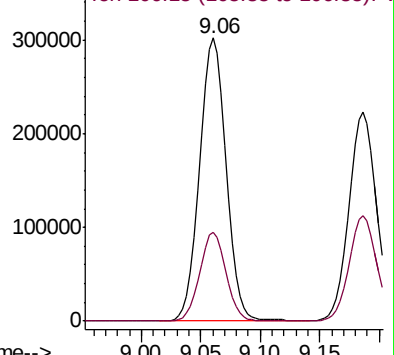
Ion Ratio Lower Upper

91 100

106 31.5 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV006676.D (-2527) (-)



#53

m,p-xylene

Concen: 5.683 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006676.D

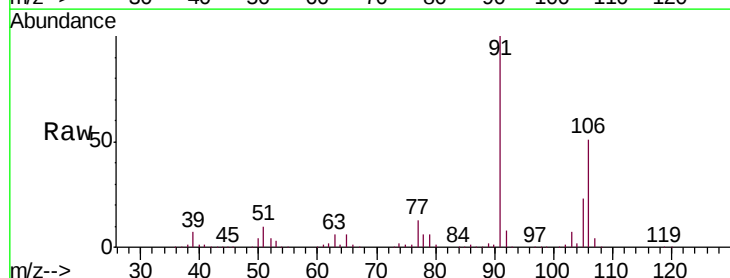
Acq: 20 Jul 2018 19:38

Tgt Ion: 106 Resp: 181679

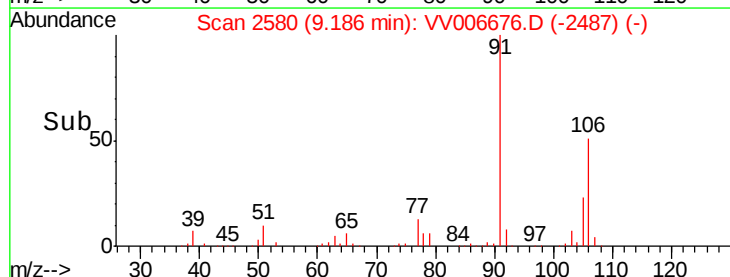
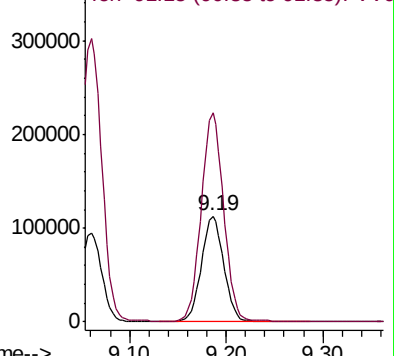
Ion Ratio Lower Upper

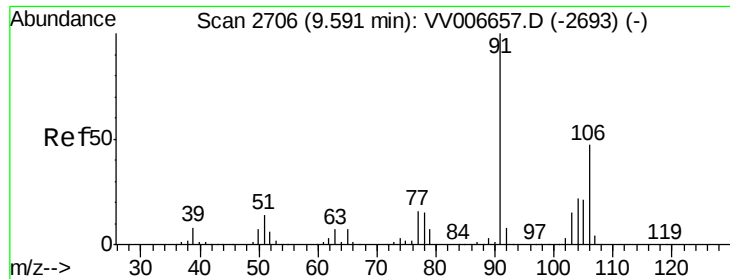
106 100

91 197.5 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006676.D (-2580) (-)





#54

o-xylene

Concen: 5.608 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

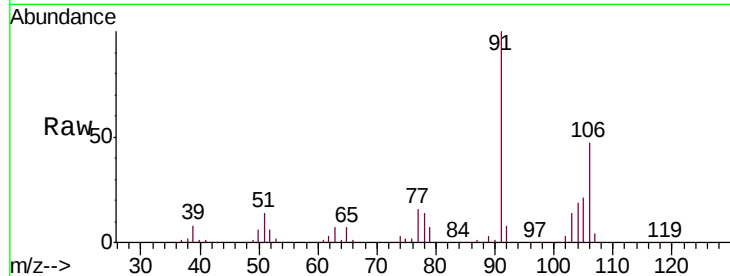
C0AA7

Tgt Ion:106 Resp: 174912

Ion Ratio Lower Upper

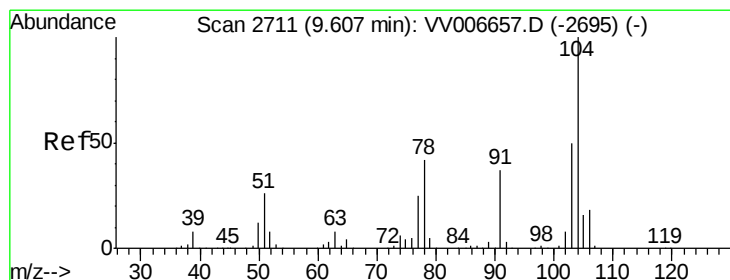
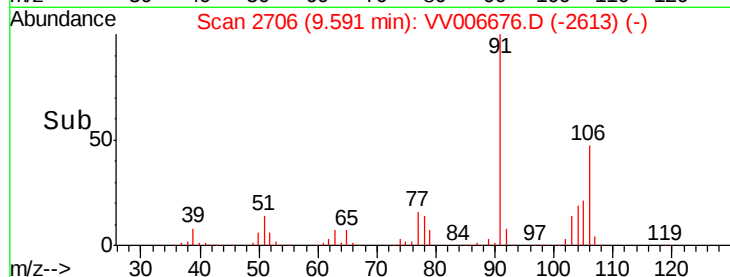
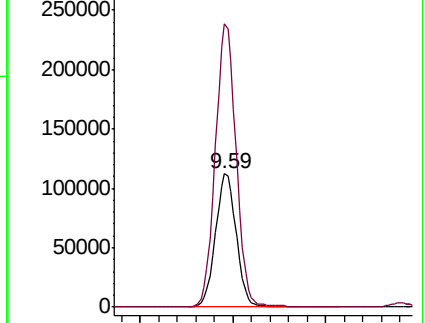
106 100

91 212.6 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.782 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV006676.D

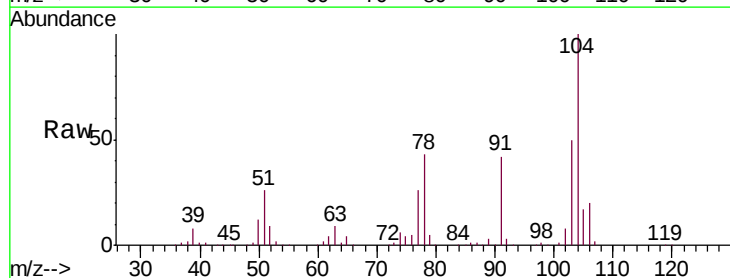
Acq: 20 Jul 2018 19:38

Tgt Ion:104 Resp: 301916

Ion Ratio Lower Upper

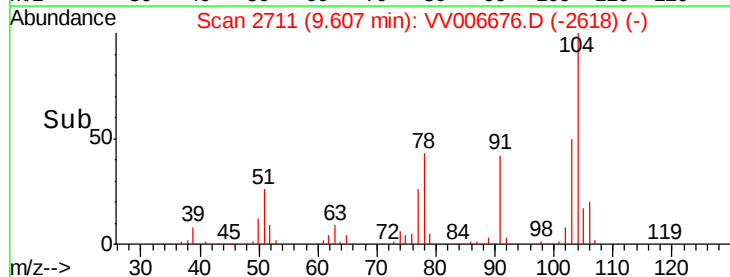
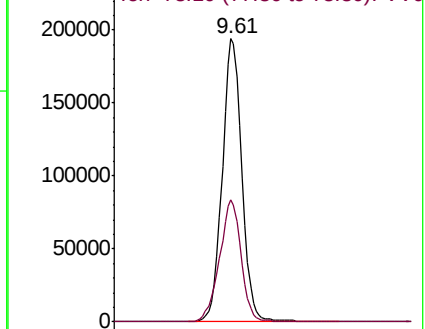
104 100

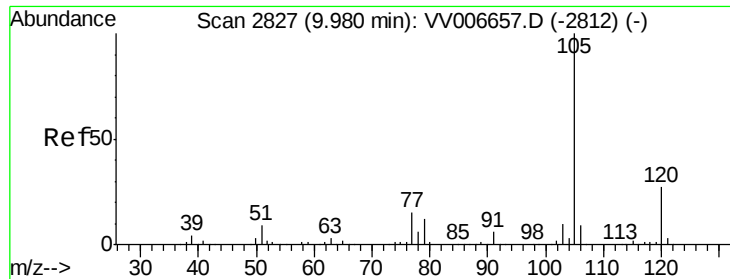
78 43.2 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.630 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

C0AA7

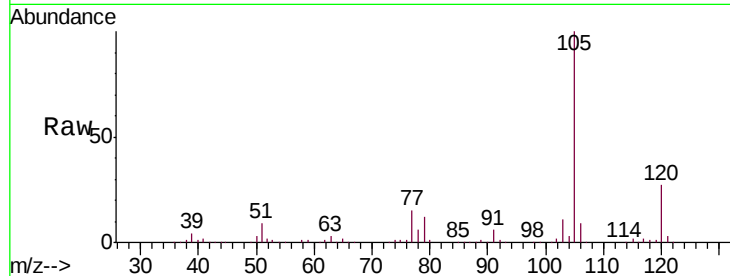
Tgt Ion: 105 Resp: 460671

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

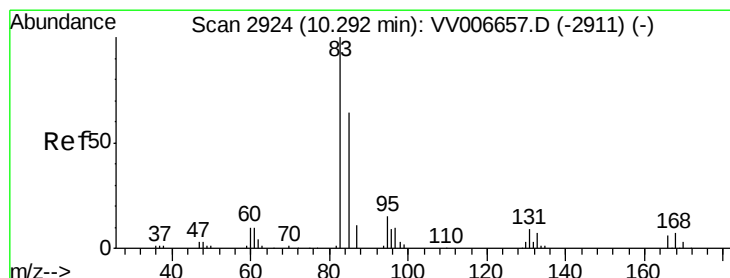
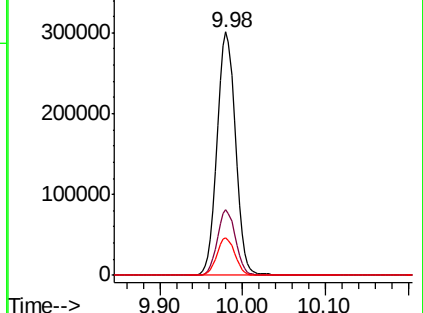
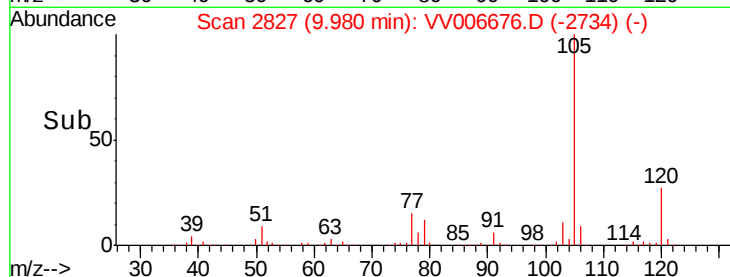
77 15.2 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.528 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

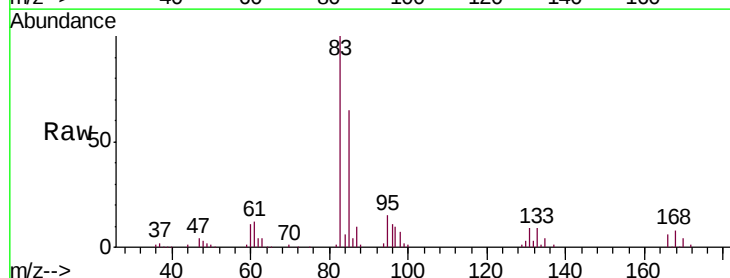
Tgt Ion: 83 Resp: 86225

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.5

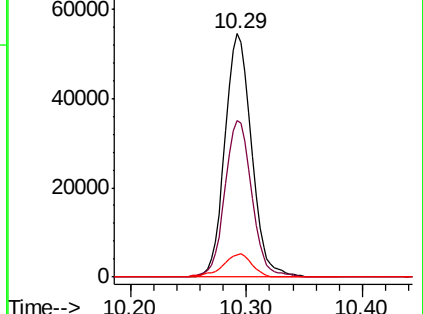
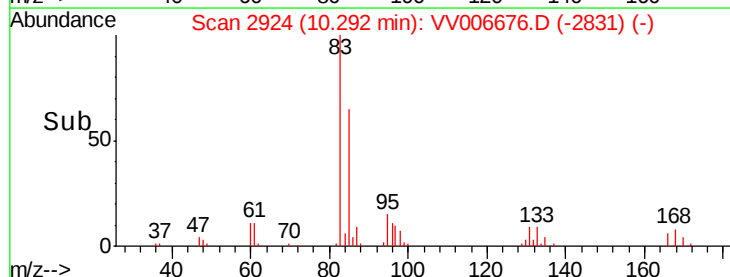
131 9.2 7.4 11.2

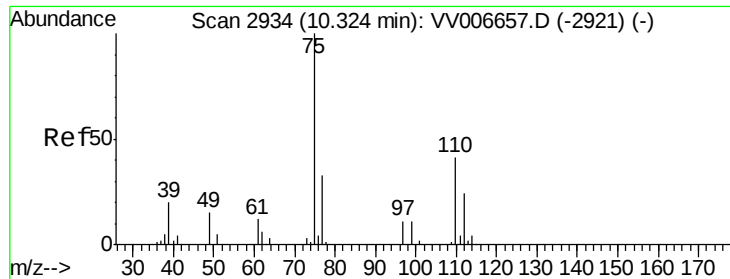


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.312 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

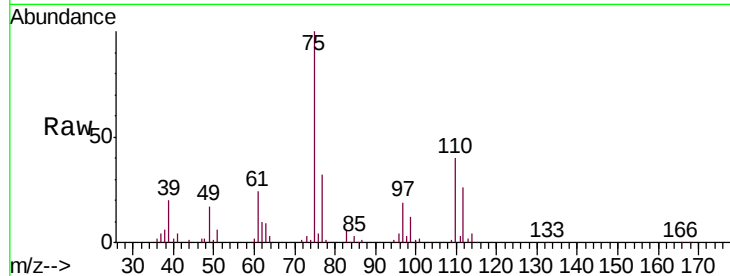
C0AA7

Tgt Ion: 75 Resp: 60548

Ion Ratio Lower Upper

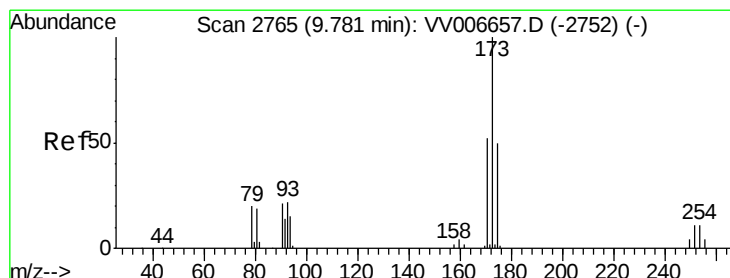
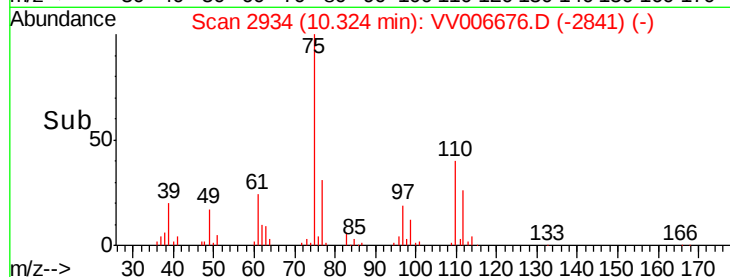
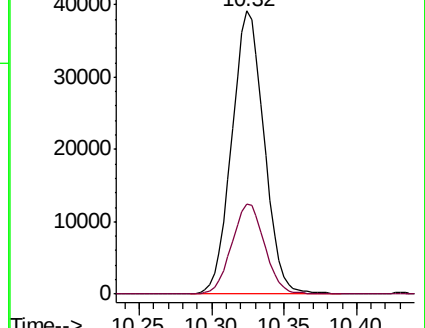
75 100

77 32.6 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV006657.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV006657.D (-2921) (-)



#61

Bromoform

Concen: 5.475 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

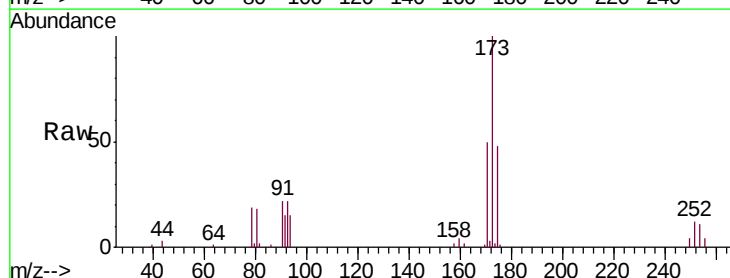
Tgt Ion: 173 Resp: 39442

Ion Ratio Lower Upper

173 100

175 47.6 38.9 58.3

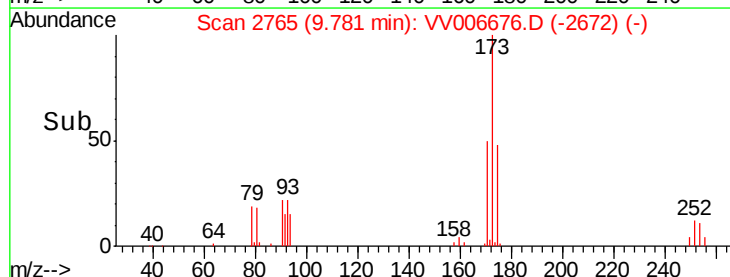
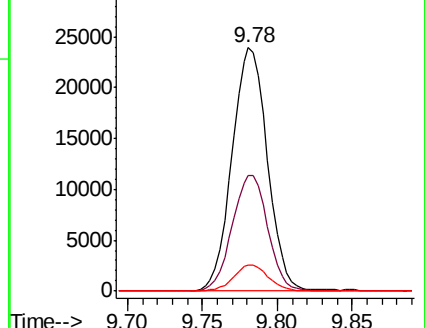
254 10.6 9.1 13.7

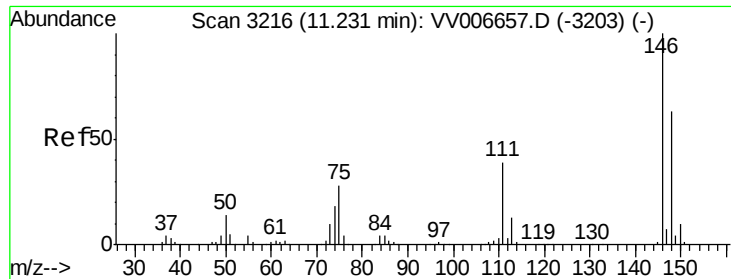


Abundance Ion 172.90 (172.60 to 173.60): VV006657.D (-2752) (-)

Ion 174.90 (174.60 to 175.60): VV006657.D (-2752) (-)

Ion 253.75 (253.45 to 254.45): VV006657.D (-2752) (-)





#62

1,3-Dichlorobenzene

Concen: 5.420 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

C0AA7

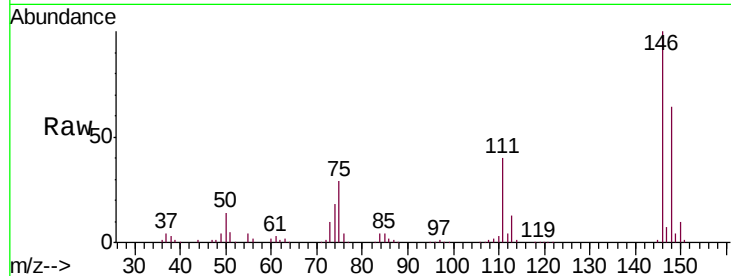
Tgt Ion:146 Resp: 205764

Ion Ratio Lower Upper

146 100

111 39.5 27.2 50.6

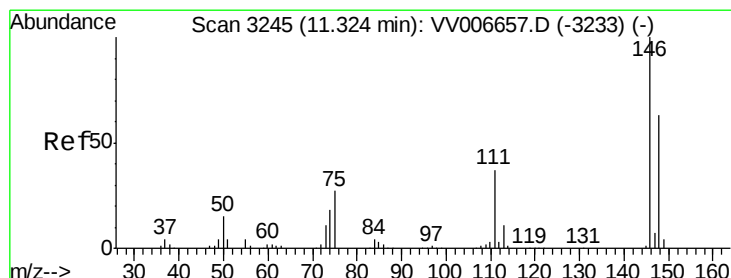
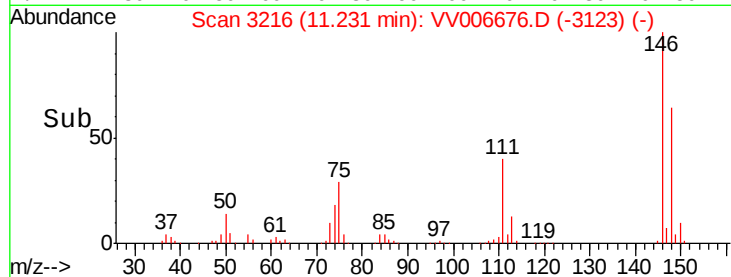
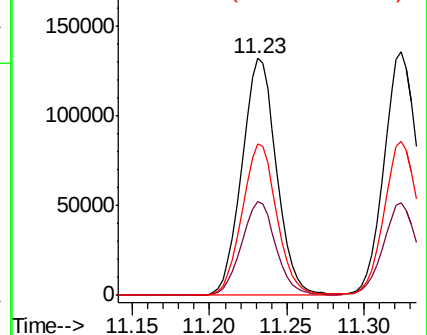
148 63.7 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.471 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

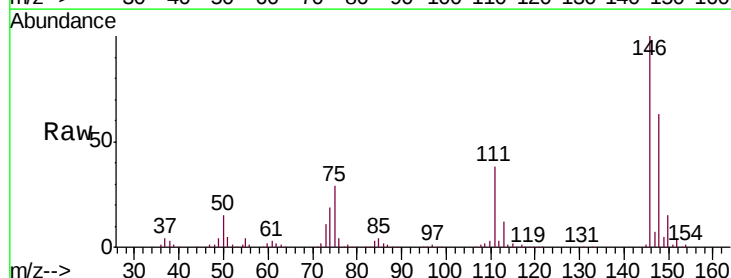
Tgt Ion:146 Resp: 211052

Ion Ratio Lower Upper

146 100

111 37.9 26.0 48.4

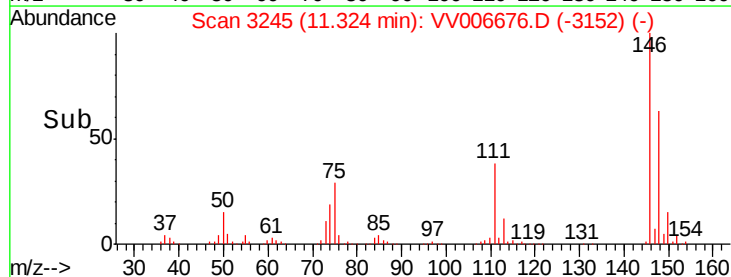
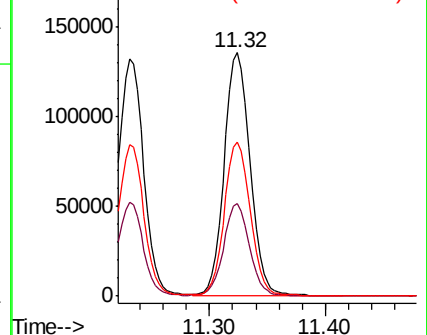
148 63.3 44.6 82.8

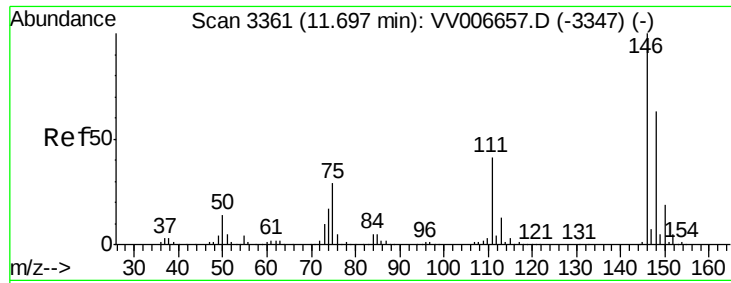


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

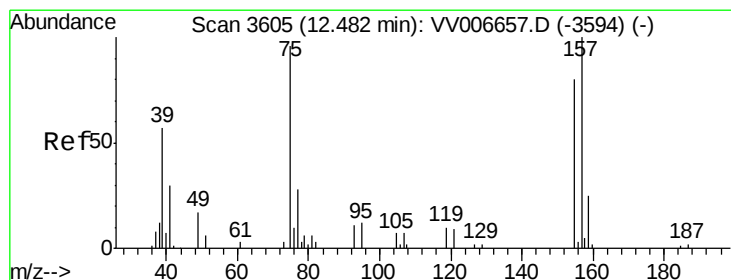
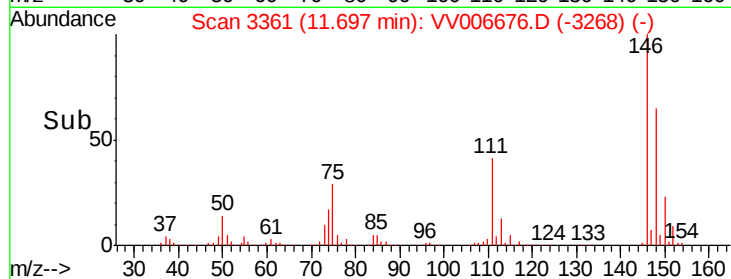
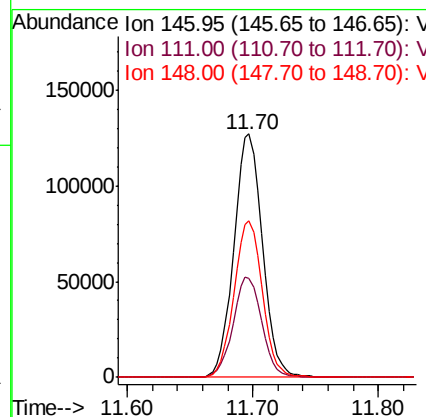
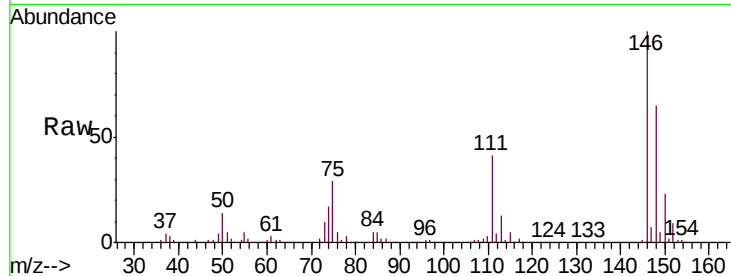




#65
 1,2-Dichlorobenzene
 Concen: 5.523 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

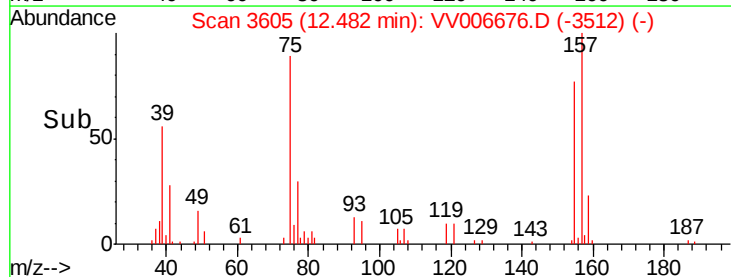
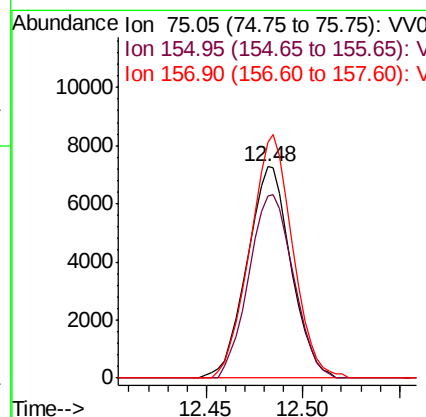
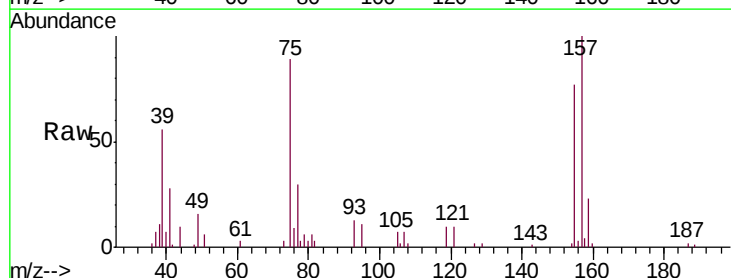
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA7

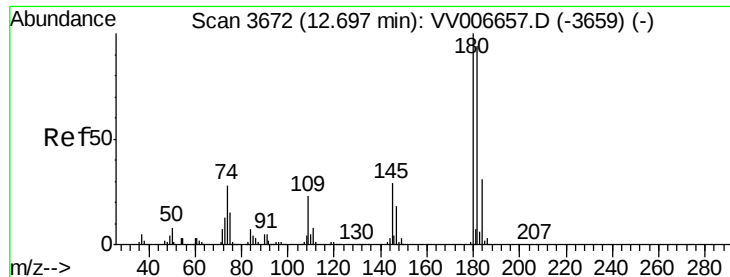
Tgt Ion: 146 Resp: 200998
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.6 49.0
 148 64.5 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.319 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

Tgt Ion: 75 Resp: 11489
 Ion Ratio Lower Upper
 75 100
 155 85.9 69.8 104.6
 157 111.8 95.0 142.6

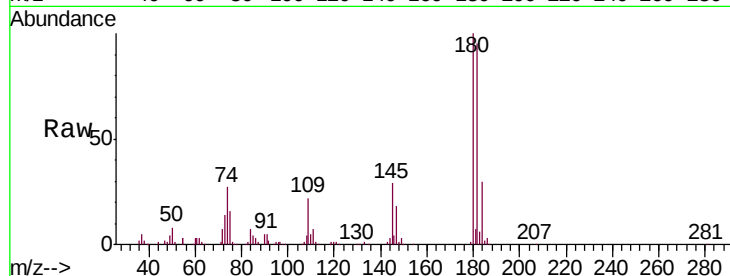




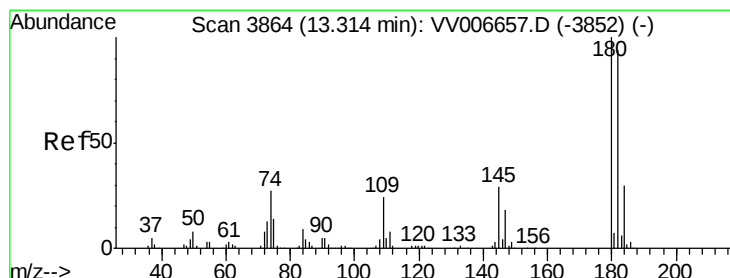
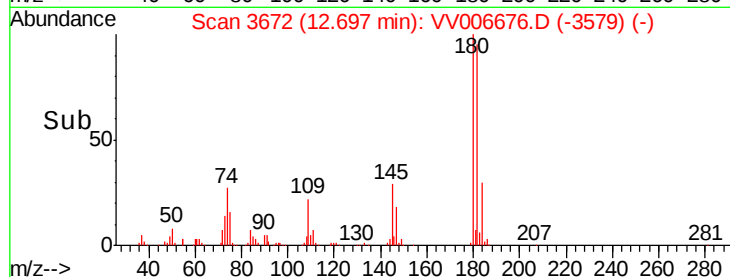
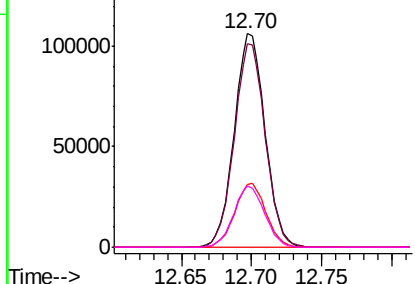
#67
 1,3,5-Trichlorobenzene
 Concen: 5.533 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA7

Tgt Ion:180 Resp: 162344
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.4 116.0
 184 30.2 24.2 36.2
 145 28.8 23.2 34.8

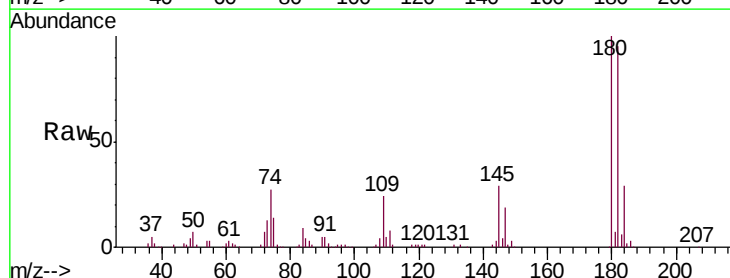


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

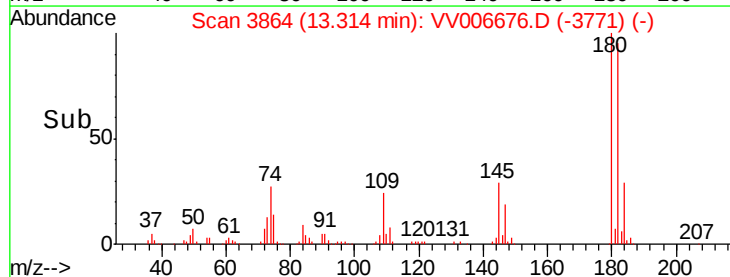
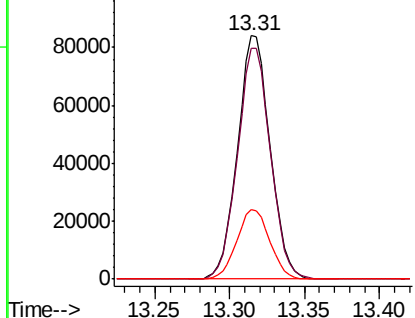


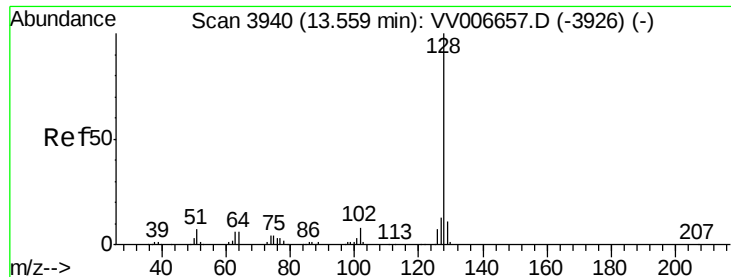
#68
 1,2,4-trichlorobenzene
 Concen: 5.481 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV006676.D
 Acq: 20 Jul 2018 19:38

Tgt Ion:180 Resp: 127593
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.8 113.8
 145 29.0 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: 5.208 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

Instrument :

MSVOA_V

ClientSampleId :

C0AA7

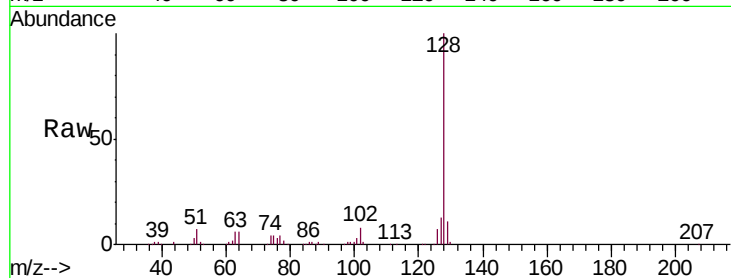
Tgt Ion:128 Resp: 209887

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

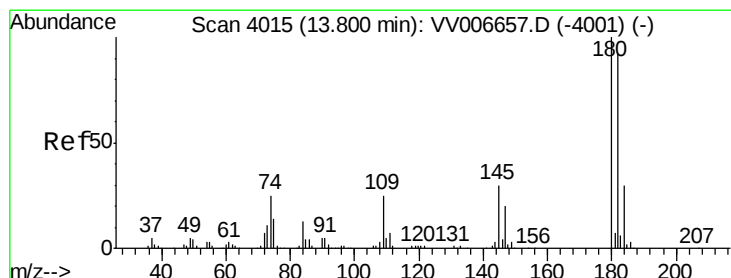
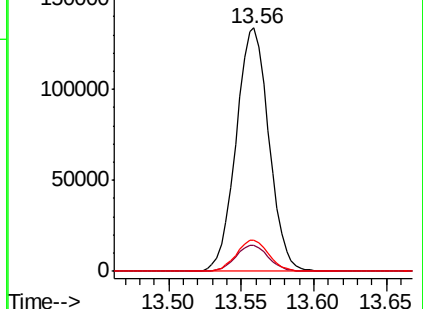
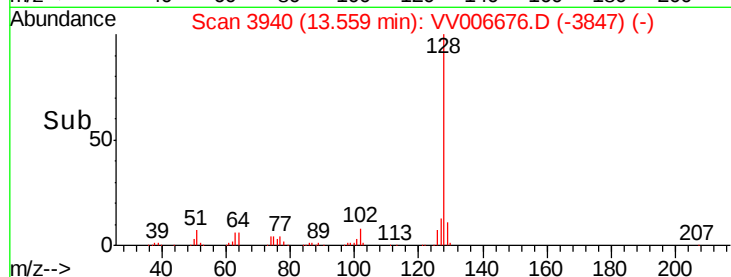
127 12.7 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.421 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006676.D

Acq: 20 Jul 2018 19:38

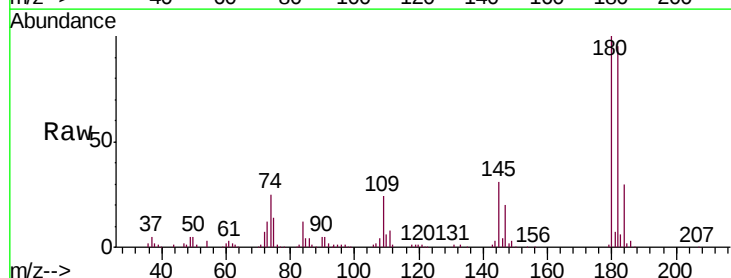
Tgt Ion:180 Resp: 118884

Ion Ratio Lower Upper

180 100

182 96.5 75.9 113.9

145 31.3 25.0 37.6



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

