

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073118\
 Data File : VV006776.D
 Acq On : 31 Jul 2018 09:48
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 01 01:38:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 31 07:41:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	216452	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	200725	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	93124	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52162	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.58	69	44839	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.13	63	113031	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	3.95	46	153066	43.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.98%
24) Chloroform-d	4.40	84	109688	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.09	65	53621	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.10	84	212648	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.12	67	70002	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.36	98	188395	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	7.67	79	23122	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.14	63	123910	43.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.06%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	53725	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	66288	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	99246	5.095	ug/L	# 85
3) Chloromethane	1.25	50	96658	5.845	ug/L	98
5) Vinyl chloride	1.32	62	106128	5.124	ug/L	97
6) Bromomethane	1.54	94	32685	6.448	ug/L	97
8) Chloroethane	1.60	64	62648	5.526	ug/L	99
9) Trichlorofluoromethane	1.77	101	131702	5.543	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	82770	5.716	ug/L	99
12) 1,1-Dichloroethene	2.14	96	75529	5.327	ug/L	96
13) Acetone	2.20	43	114794	51.258	ug/L	100
14) Carbon disulfide	2.32	76	229371	4.810	ug/L	99
15) Methyl Acetate	2.46	43	33418	5.034	ug/L	97
16) Methylene chloride	2.54	84	83227	5.120	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	184241	5.297	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	81382	5.284	ug/L	99
19) 1,1-Dichloroethane	3.23	63	153942	5.433	ug/L	99
21) 2-Butanone	4.04	43	185350	49.412	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	85223	5.307	ug/L	98

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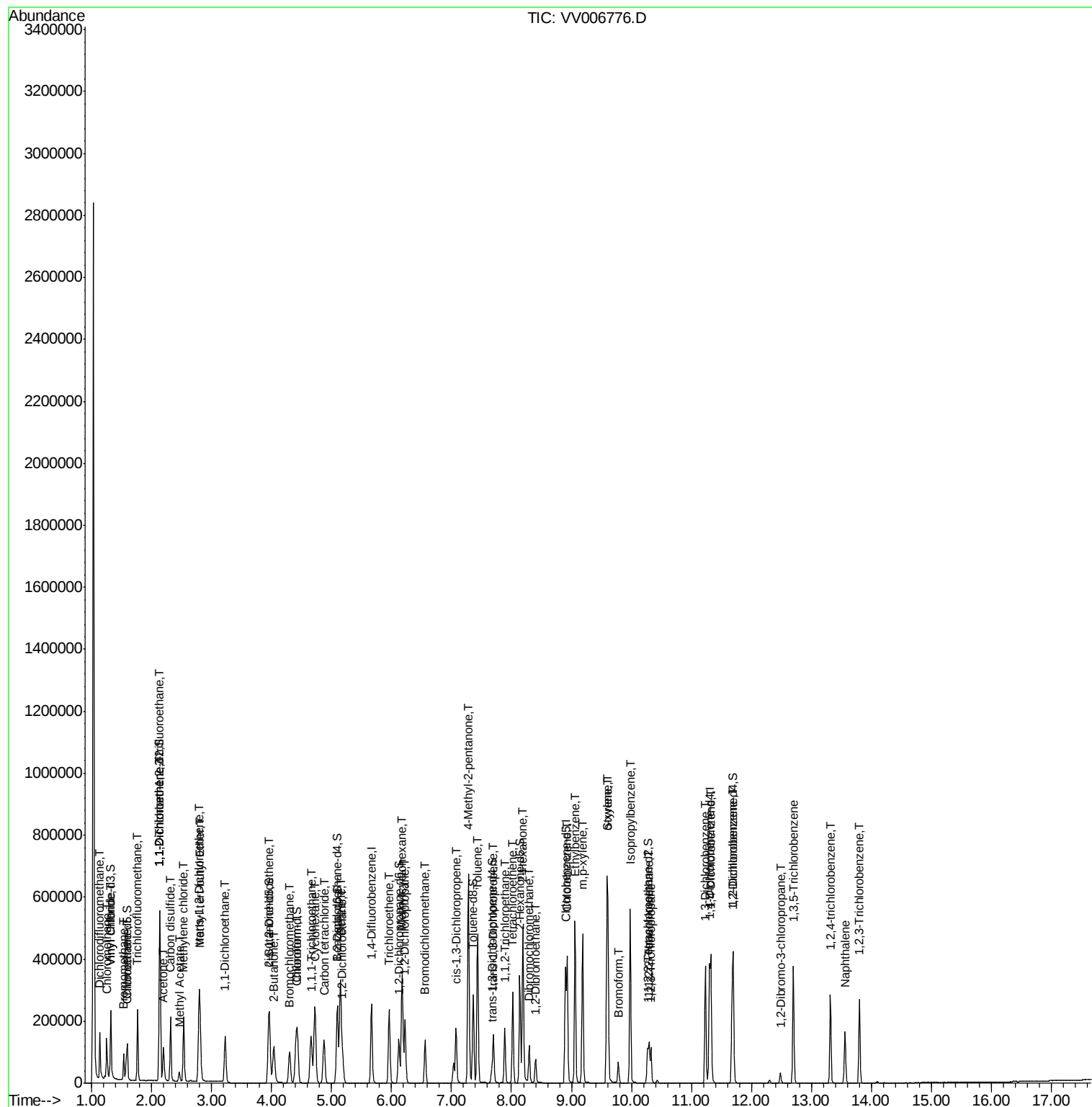
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	34260	5.184	ug/L	96
25) Chloroform	4.43	83	145263	5.464	ug/L	98
27) 1,2-Dichloroethane	5.19	62	83118	5.329	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	120122	5.562	ug/L	99
30) Cyclohexane	4.72	56	129267	5.346	ug/L	100
31) Carbon tetrachloride	4.87	117	102512	5.554	ug/L	100
33) Benzene	5.15	78	333049	5.519	ug/L	100
34) Trichloroethene	5.96	95	82543	5.419	ug/L	97
35) Methylcyclohexane	6.18	83	140010	5.502	ug/L	99
37) 1,2-Dichloropropane	6.22	63	83878	5.415	ug/L	100
38) Bromodichloromethane	6.56	83	94115	5.439	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	107205	5.313	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	439418	51.602	ug/L	99
42) Toluene	7.43	91	344648	5.547	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	85747	5.404	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	55561	5.326	ug/L	97
47) Tetrachloroethene	8.02	164	67244	5.558	ug/L	99
48) 2-Hexanone	8.19	43	307748	51.794	ug/L	99
49) Dibromochloromethane	8.30	129	58958	5.340	ug/L	100
50) 1,2-Dibromoethane	8.40	107	49583	5.318	ug/L	99
51) Chlorobenzene	8.93	112	217160	5.373	ug/L	100
52) Ethylbenzene	9.06	91	360228	5.439	ug/L	99
53) m,p-xylene	9.19	106	138368	5.533	ug/L	99
54) o-xylene	9.59	106	132292	5.431	ug/L	99
55) Styrene	9.61	104	227331	5.533	ug/L	96
56) Isopropylbenzene	9.98	105	351707	5.560	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	63274	4.958	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	47521	5.212	ug/L	98
61) Bromoform	9.78	173	29117	5.144	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	153591	5.335	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	158369	5.398	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	148920	5.311	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7992	4.762	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	119235	5.425	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	88138	5.048	ug/L	99
69) Naphthalene	13.56	128	133710	4.475	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	83952	5.081	ug/L	99

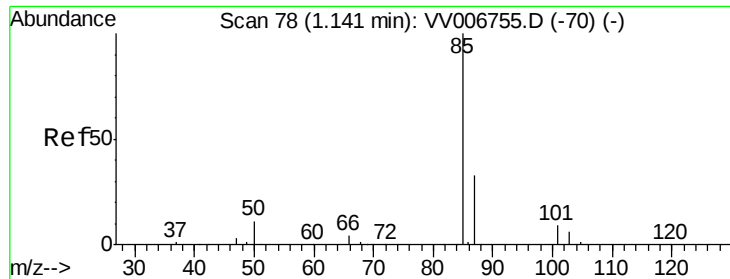
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.095 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

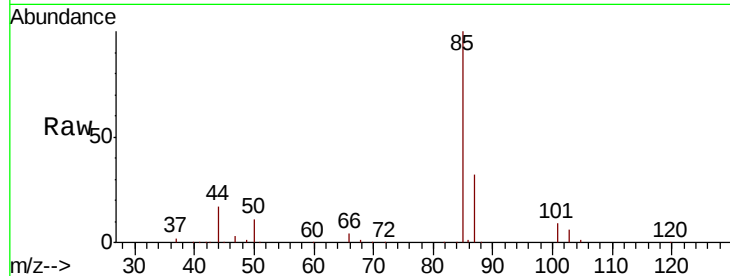
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 99246

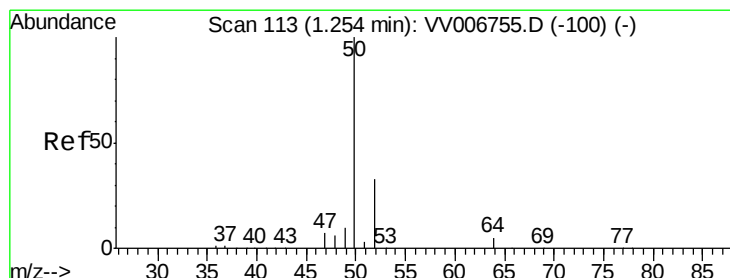
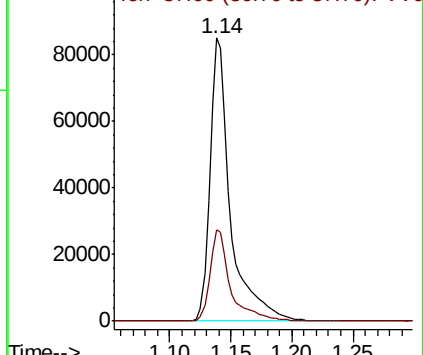
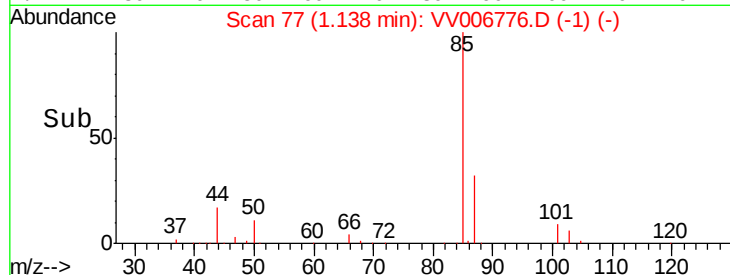
Ion Ratio Lower Upper

85 100

87 32.6 19.9 29.9#



Abundance Ion 85.00 (84.70 to 85.70): VV006776.D (-1) (-)



#3

Chloromethane

Concen: 5.845 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006776.D

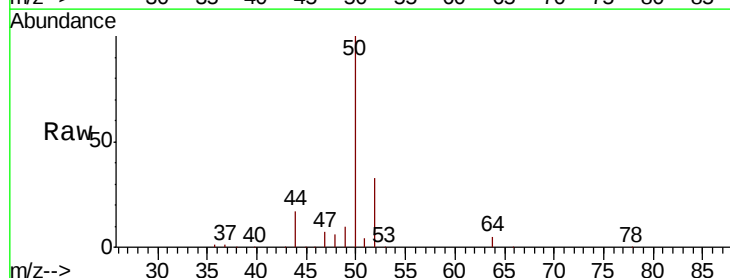
Acq: 31 Jul 2018 09:48

Tgt Ion: 50 Resp: 96658

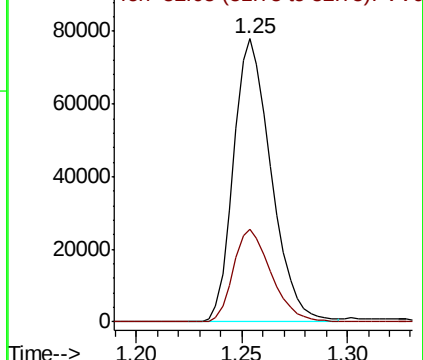
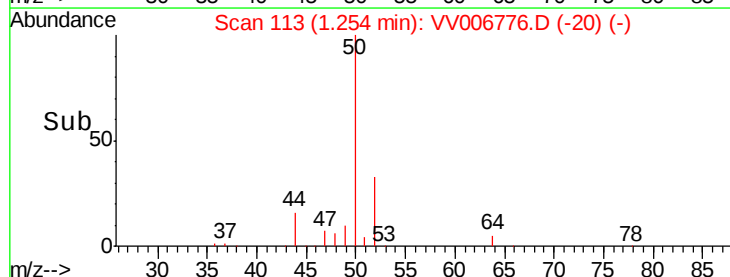
Ion Ratio Lower Upper

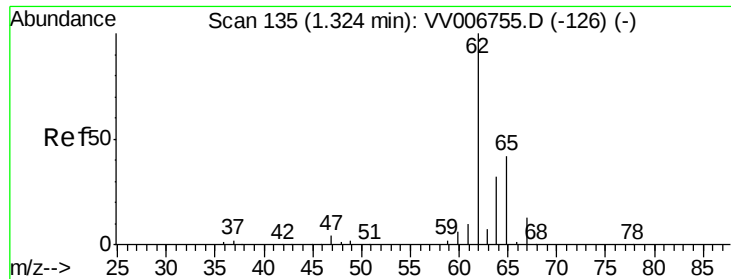
50 100

52 32.9 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV006776.D (-20) (-)





#5

Vinyl chloride

Concen: 5.124 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

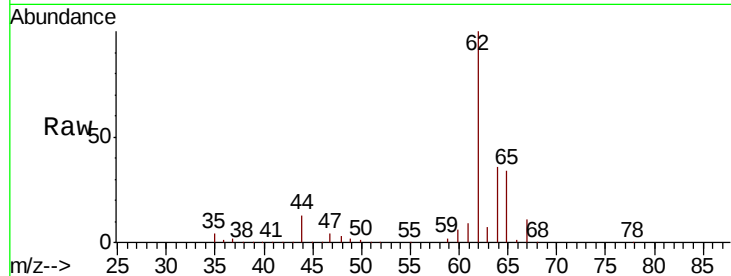
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 106128

Ion Ratio Lower Upper

62 100

64 36.3 26.5 49.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

100000

80000

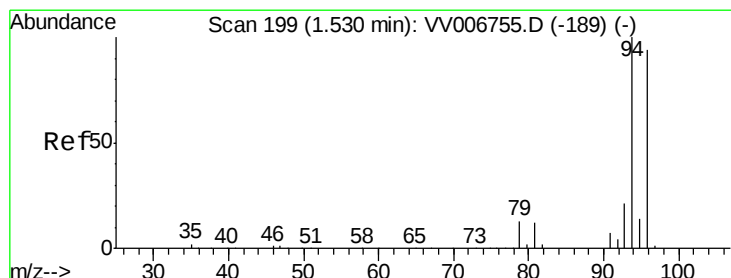
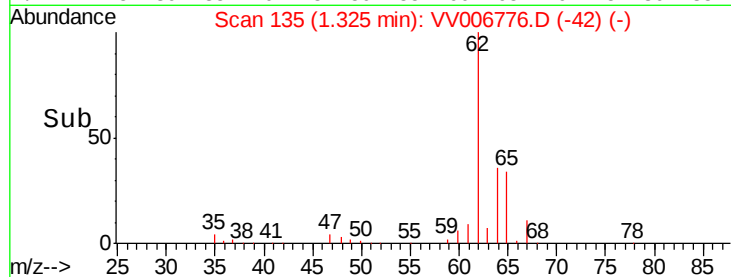
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 6.448 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.01 min

Lab File: VV006776.D

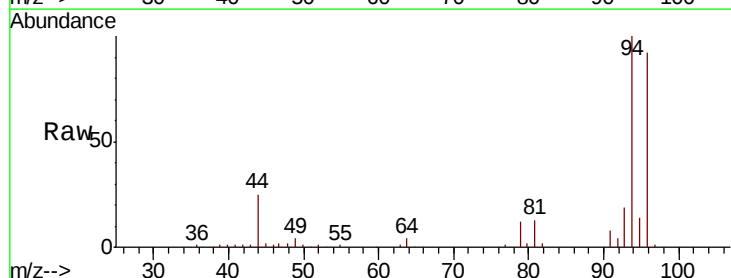
Acq: 31 Jul 2018 09:48

Tgt Ion: 94 Resp: 32685

Ion Ratio Lower Upper

94 100

96 91.8 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

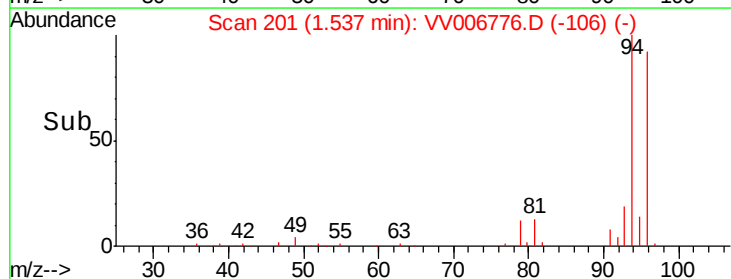
30000

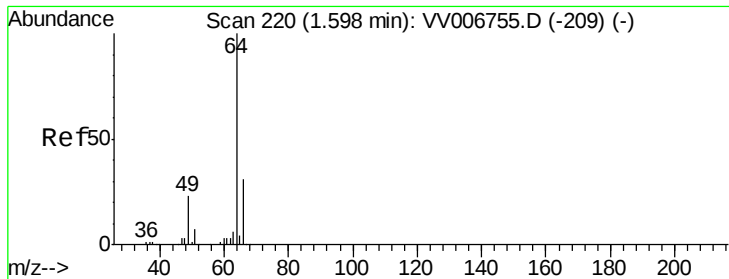
20000

10000

0

Time-->





#8

Chloroethane

Concen: 5.526 ug/L

RT: 1.60 min Scan# 220

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

Instrument :

MSVOA_V

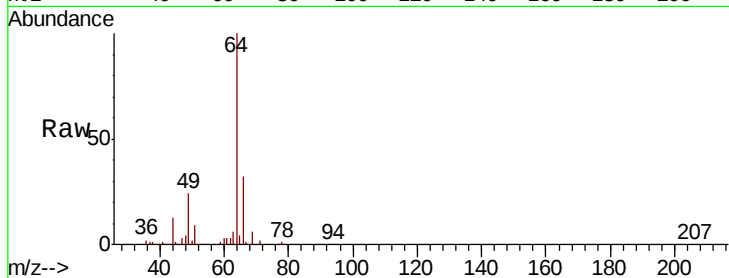
ClientSampleId :

Tot Ion: 64 Resp: 62648

Ion Ratio Lower Upper

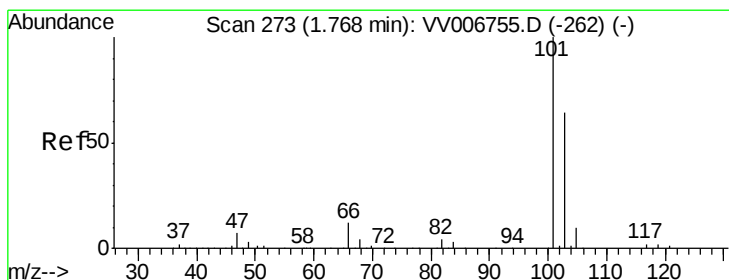
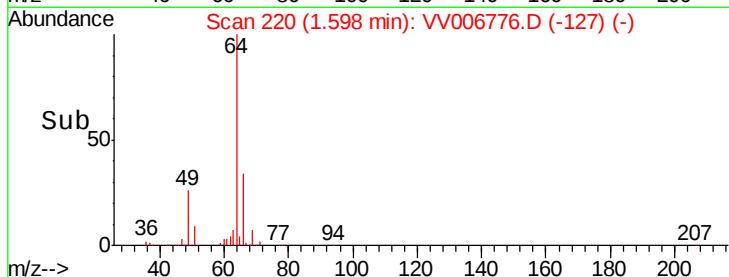
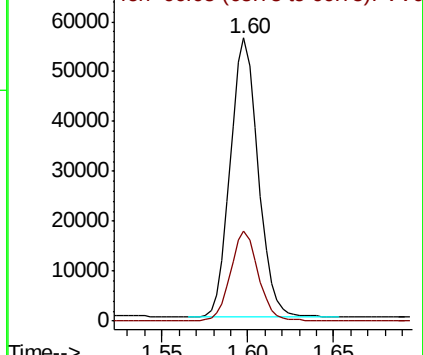
64 100

66 31.7 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV006776.D (-127) (-)

Ion 66.05 (65.75 to 66.75): VV006776.D (-127) (-)



#9

Trichlorofluoromethane

Concen: 5.543 ug/L

RT: 1.77 min Scan# 273

Delta R.T. 0.00 min

Lab File: VV006776.D

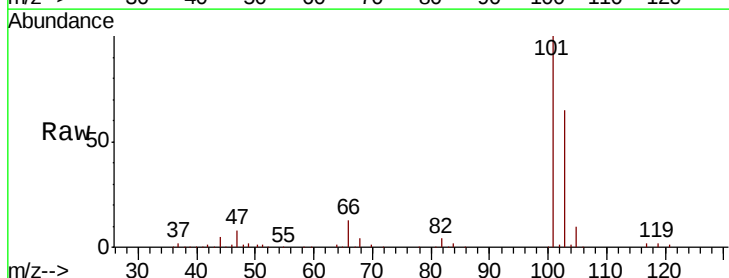
Acq: 31 Jul 2018 09:48

Tgt Ion: 101 Resp: 131702

Ion Ratio Lower Upper

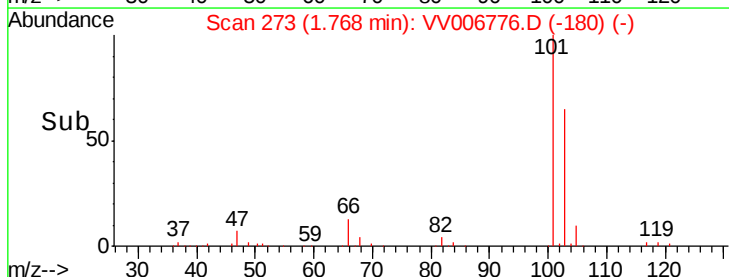
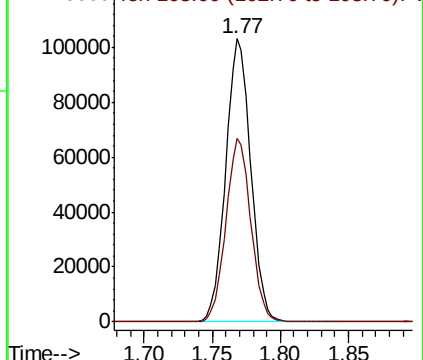
101 100

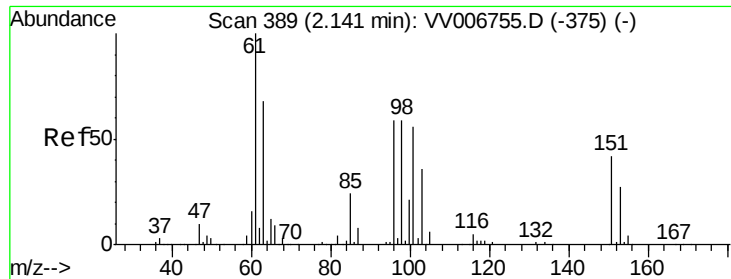
103 64.4 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV006776.D (-180) (-)

Ion 103.00 (102.70 to 103.70): VV006776.D (-180) (-)





#10

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

Concen: 5.716 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

Instrument :

MSVOA_V

ClientSampleId :

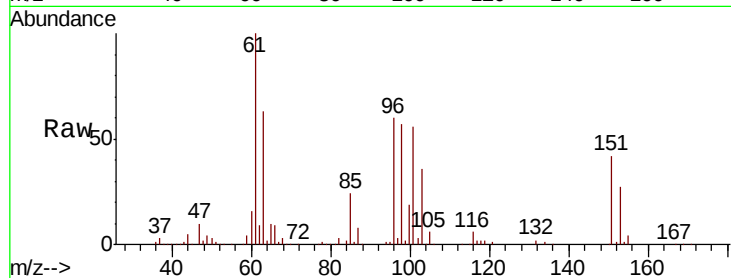
Tot Ion:101 Resp: 82770

Ion Ratio Lower Upper

101 100

85 42.6 33.1 49.7

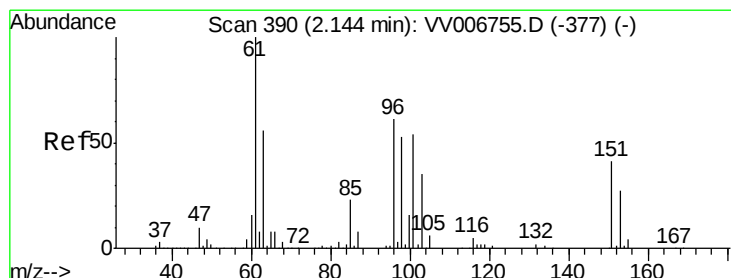
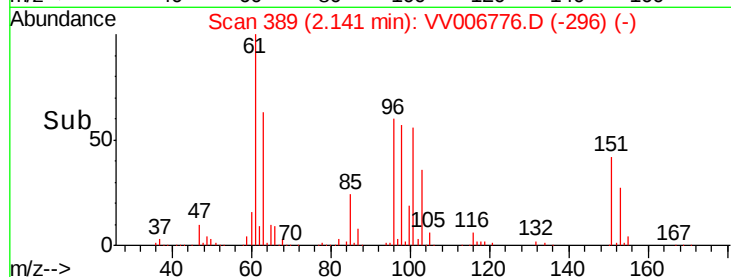
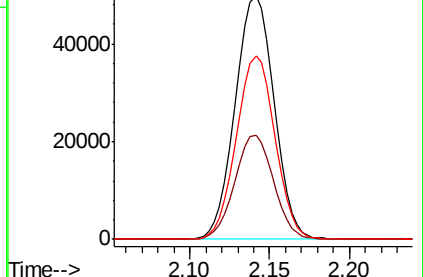
151 74.9 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): VV006776.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006776.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006776.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 5.327 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

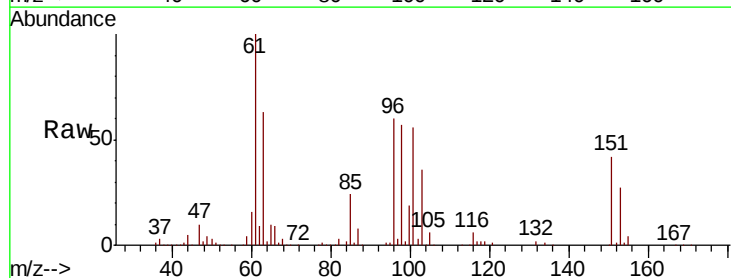
Tgt Ion: 96 Resp: 75529

Ion Ratio Lower Upper

96 100

61 165.9 113.5 210.9

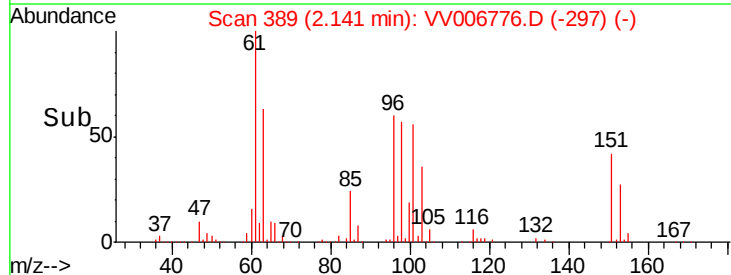
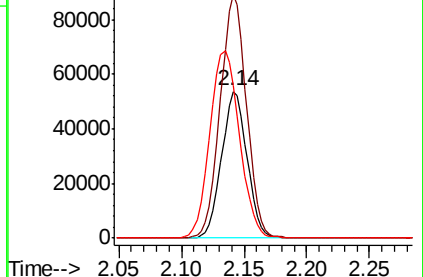
63 104.1 69.5 129.1

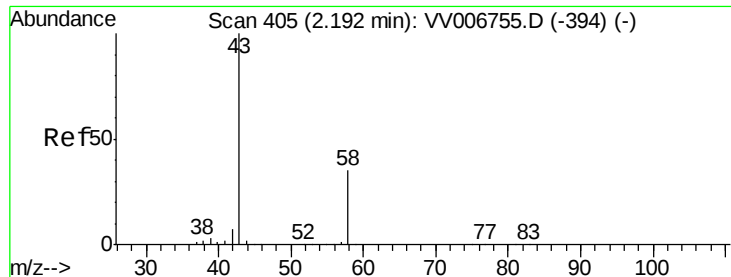


Abundance Ion 96.00 (95.70 to 96.70): VV006776.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006776.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006776.D (-297) (-)





#13

Acetone

Concen: 51.258 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.01 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

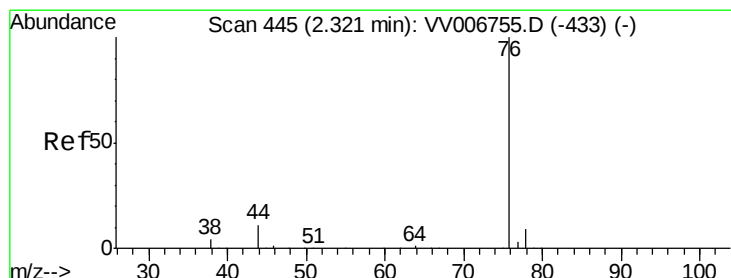
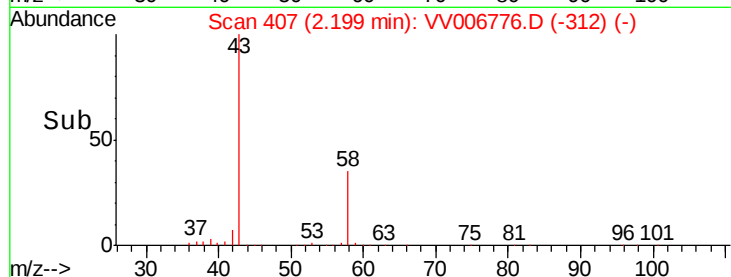
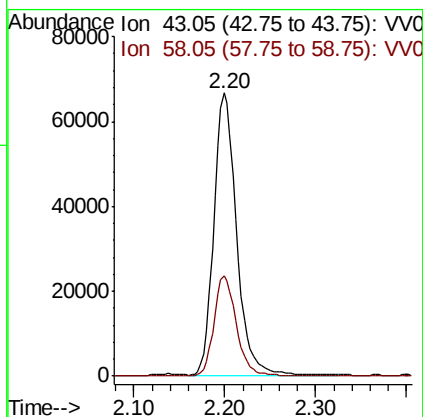
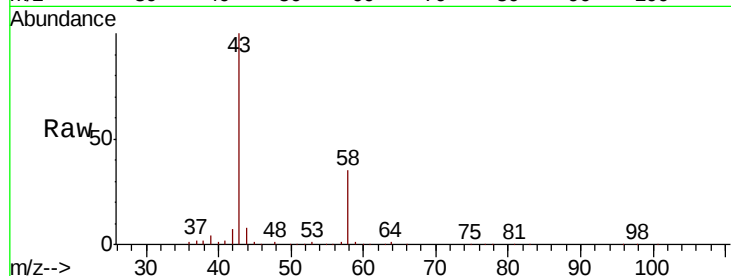
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 114794

Ion Ratio Lower Upper

43 100

58 35.6 0.0 71.4



#14

Carbon disulfide

Concen: 4.810 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006776.D

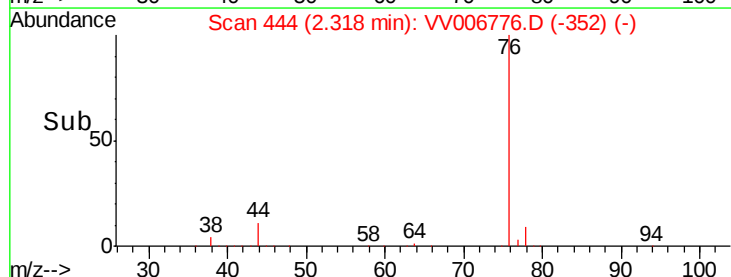
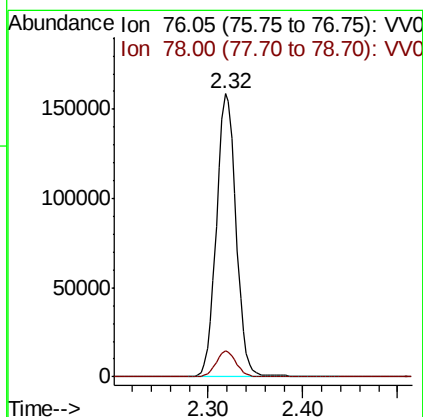
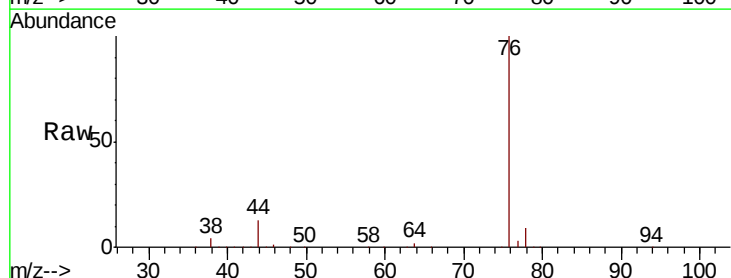
Acq: 31 Jul 2018 09:48

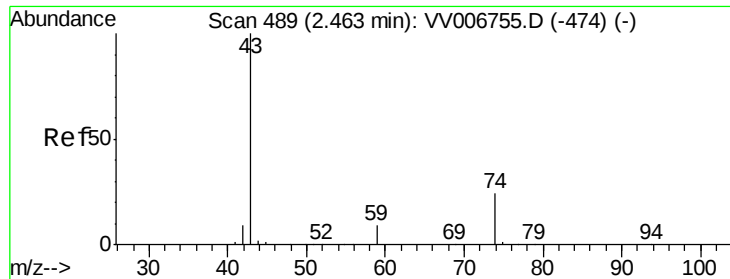
Tgt Ion: 76 Resp: 229371

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

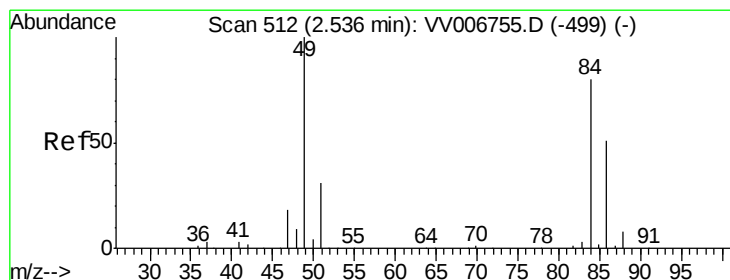
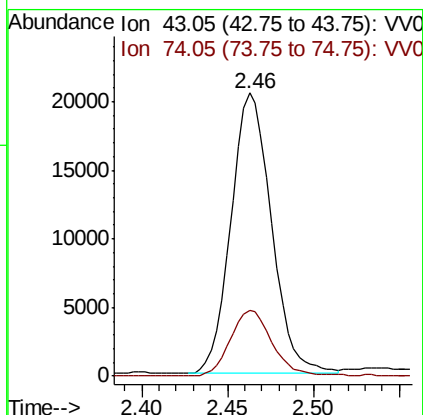
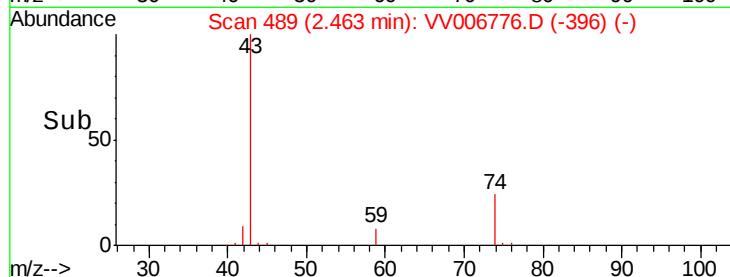
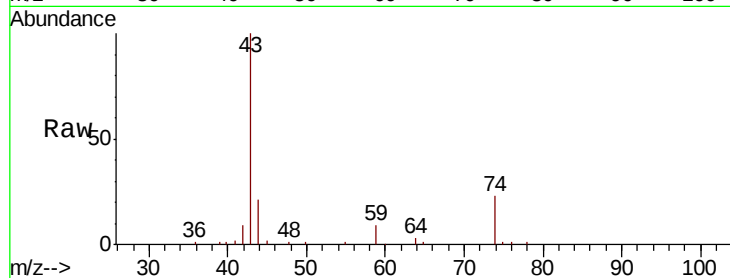




#15
Methyl Acetate
Concen: 5.034 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

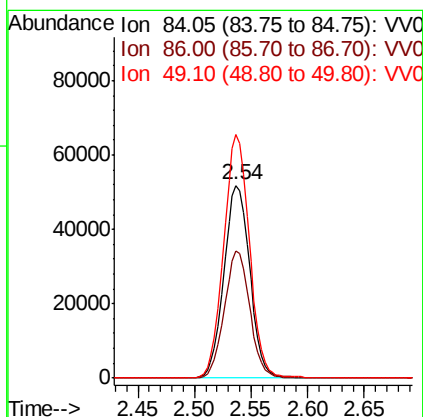
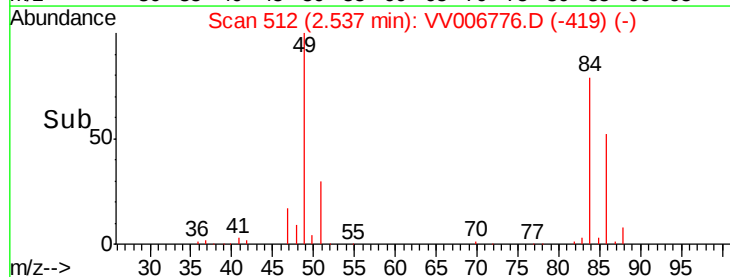
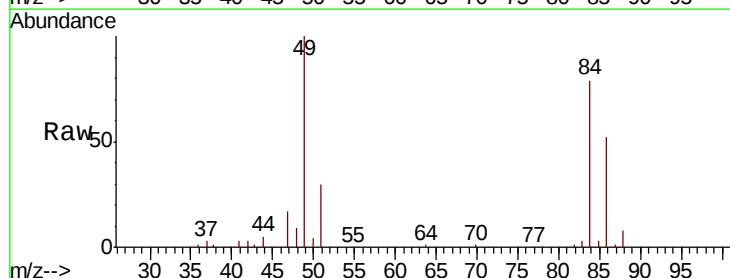
Instrument :
MSVOA_V
ClientSampleId :

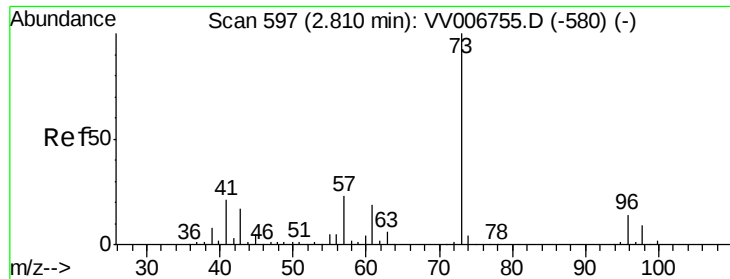
Tot Ion: 43 Resp: 33418
Ion Ratio Lower Upper
43 100
74 24.1 20.6 31.0



#16
Methylene chloride
Concen: 5.120 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Tgt Ion: 84 Resp: 83227
Ion Ratio Lower Upper
84 100
86 65.7 44.7 83.1
49 126.4 86.7 160.9

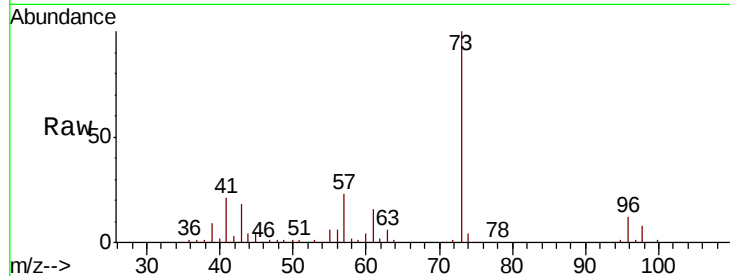




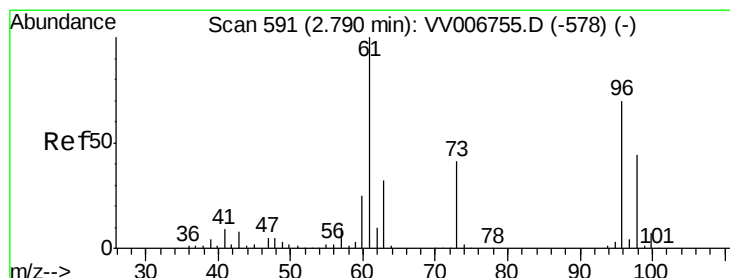
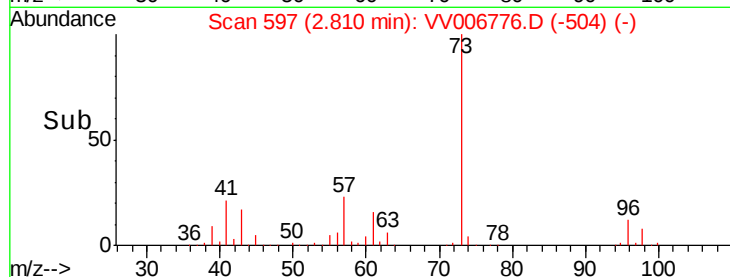
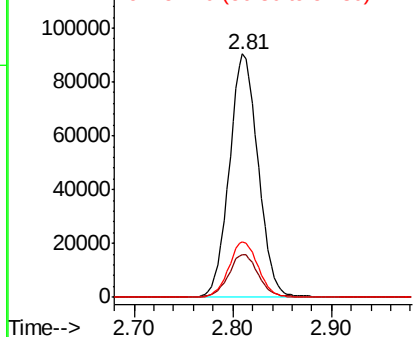
#17
Methvl tert-butvl Ether
Concen: 5.297 ug/L
RT: 2.81 min Scan# 597
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 184241
Ion Ratio Lower Upper
73 100
43 17.7 14.2 21.4
57 23.1 18.2 27.2

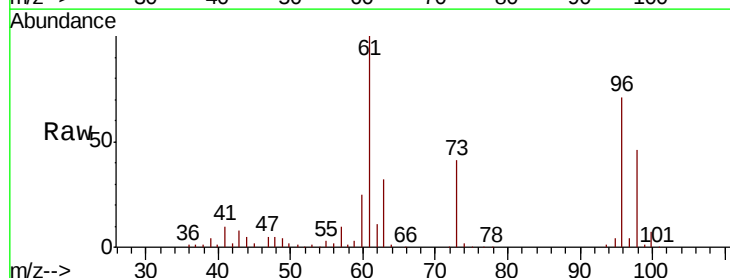


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

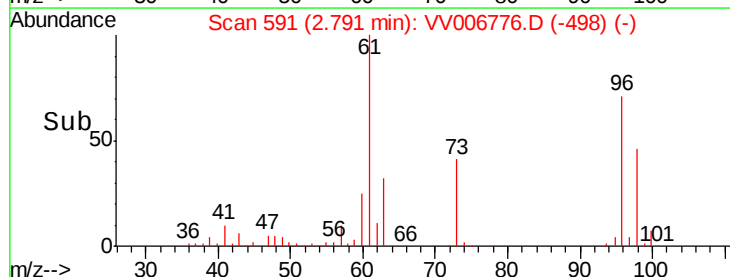
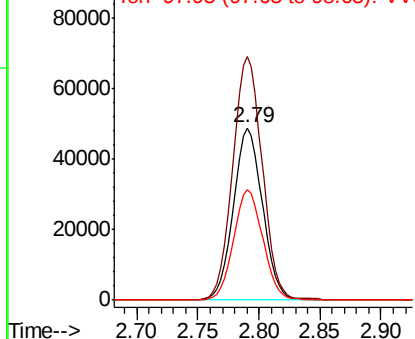


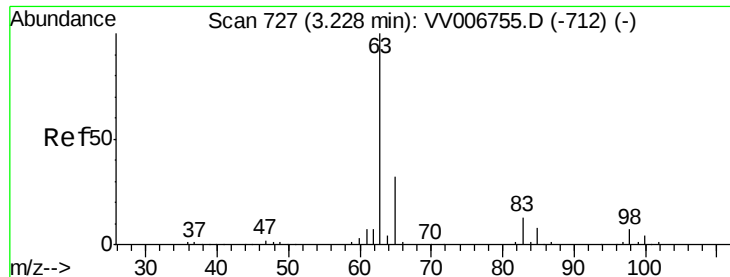
#18
trans-1,2-Dichloroethene
Concen: 5.284 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Tgt Ion: 96 Resp: 81382
Ion Ratio Lower Upper
96 100
61 141.2 98.5 182.9
98 64.3 45.4 84.4



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

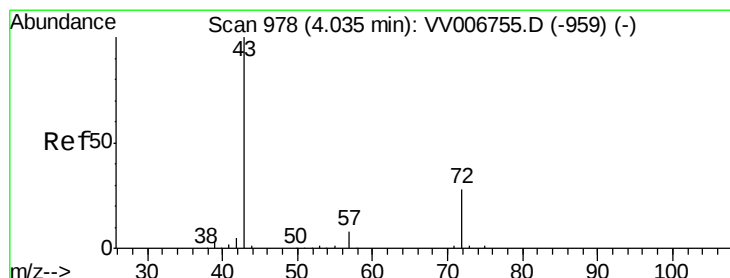
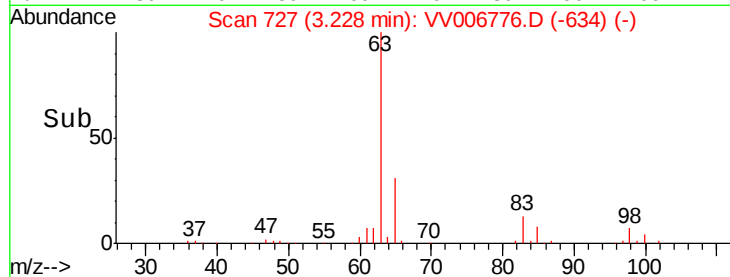
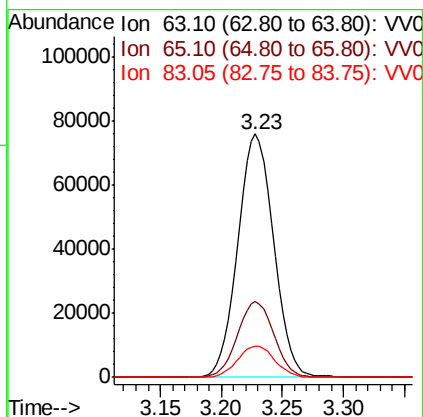
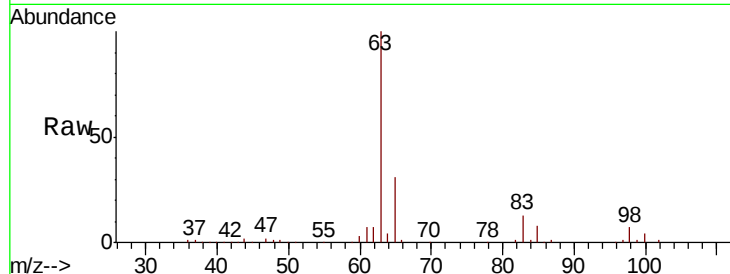




#19
 1,1-Dichloroethane
 Concen: 5.433 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

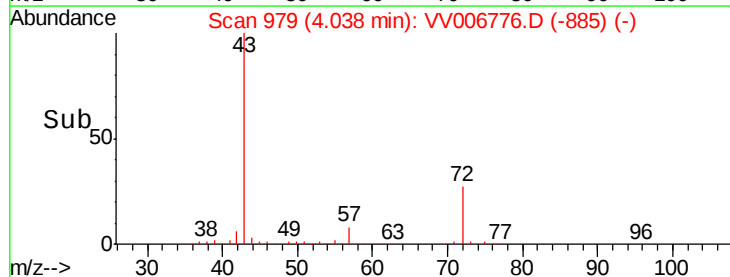
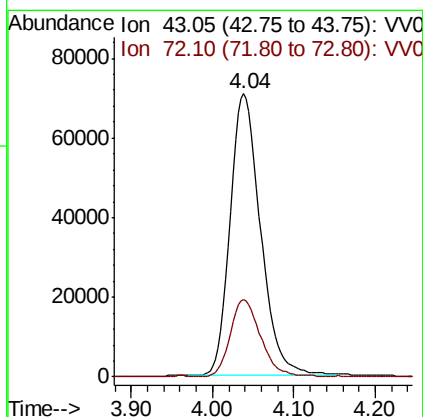
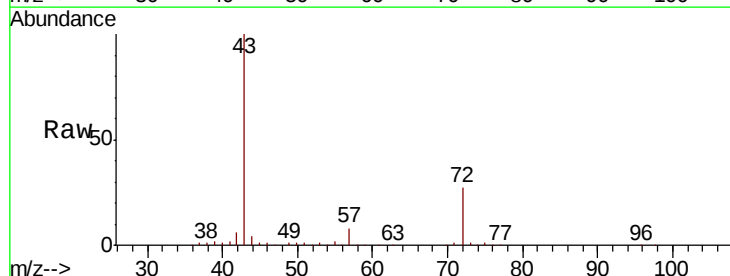
Instrument :
 MSVOA_V
 ClientSampled :

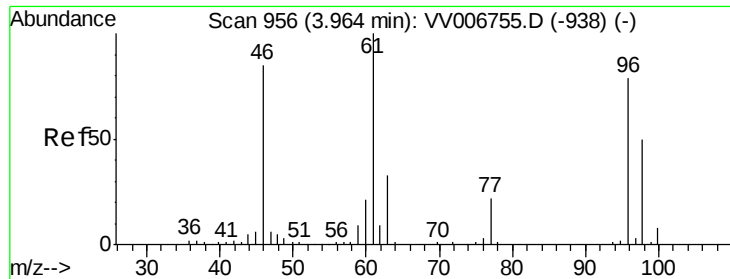
Tot Ion: 63 Resp: 153942
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.4 41.6
 83 12.8 9.0 16.8



#21
 2-Butanone
 Concen: 49.412 ug/L
 RT: 4.04 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

Tgt Ion: 43 Resp: 185350
 Ion Ratio Lower Upper
 43 100
 72 27.7 13.8 41.4



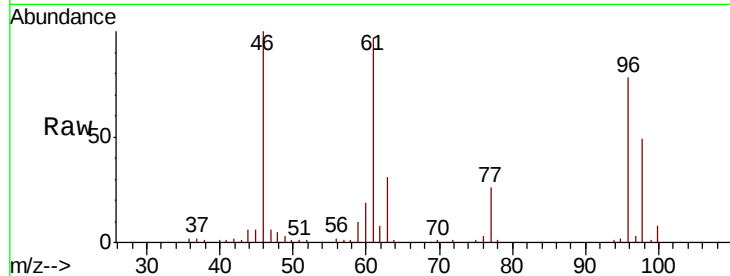


#22

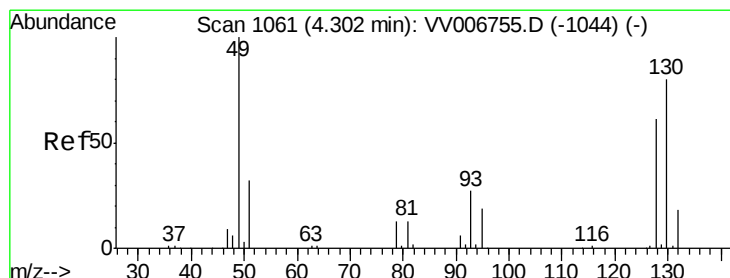
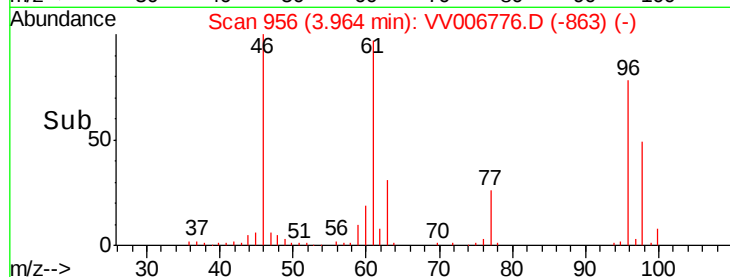
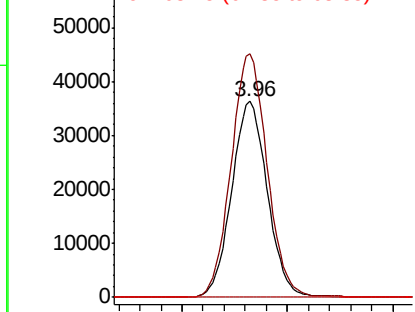
cis-1,2-Dichloroethene
Concen: 5.307 ug/L
RT: 3.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 85223
Ion Ratio Lower Upper
96 100
61 124.3 85.5 158.9
68 0.0 0.0 0.0



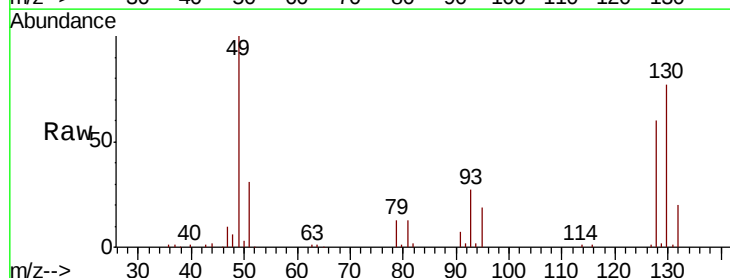
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



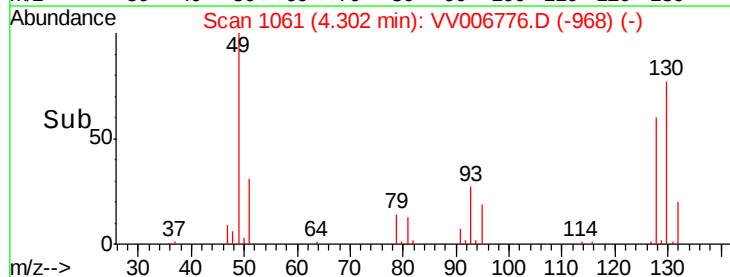
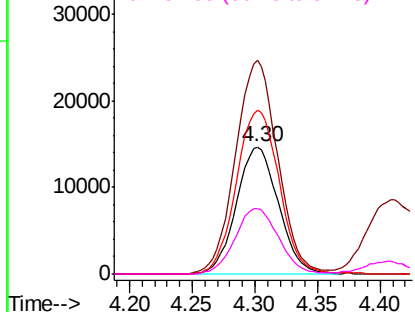
#23

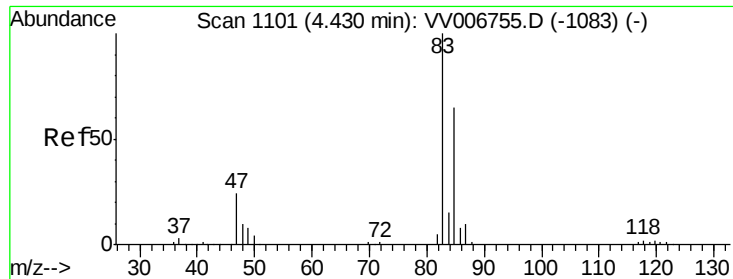
Bromochloromethane
Concen: 5.184 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Tgt Ion: 128 Resp: 34260
Ion Ratio Lower Upper
128 100
49 167.9 112.6 209.0
130 128.9 87.1 161.7
51 51.7 40.9 61.3



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

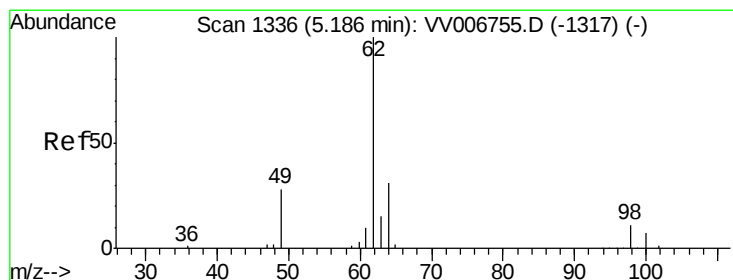
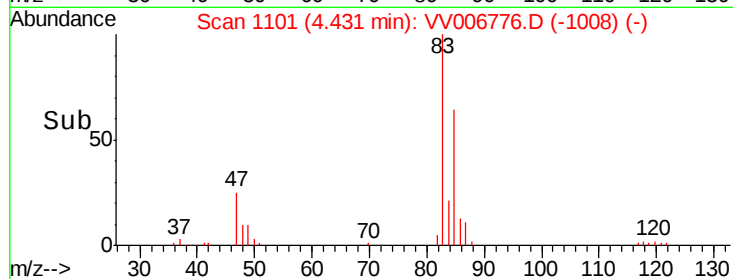
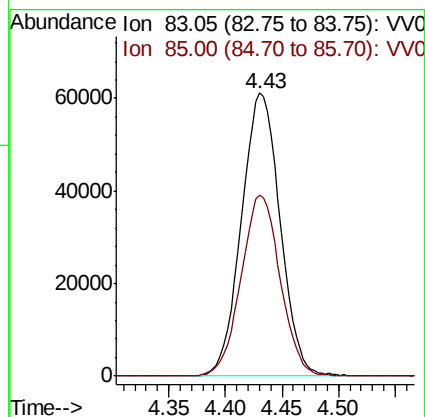
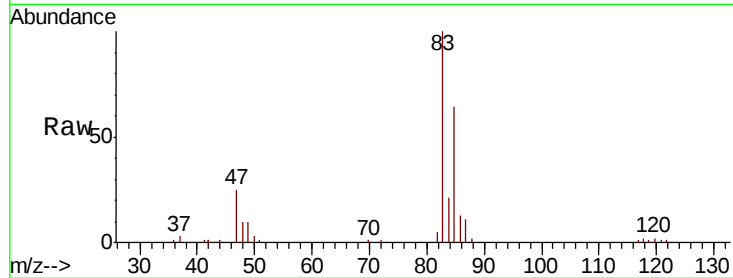




#25
Chloroform
Concen: 5.464 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

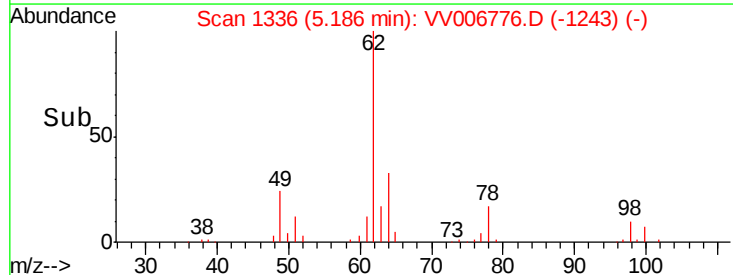
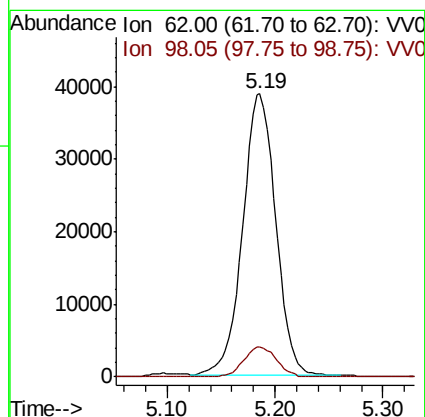
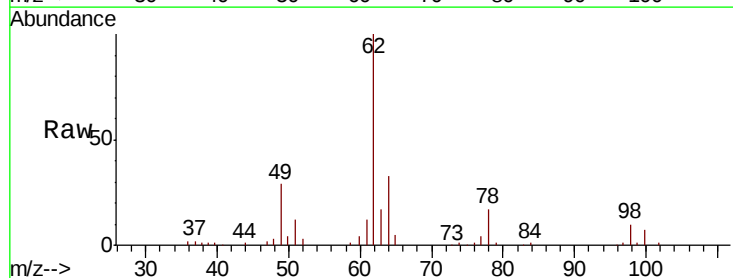
Instrument :
MSVOA_V
ClientSampleId :

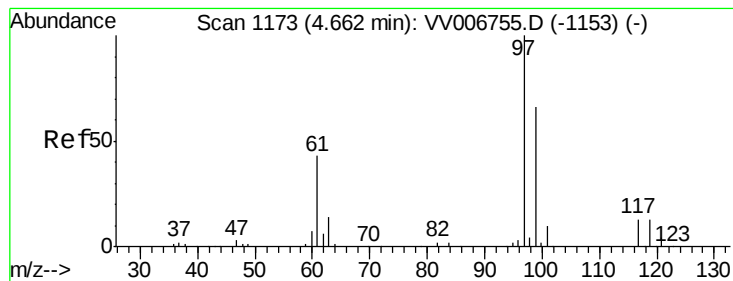
Tot Ion: 83 Resp: 145263
Ion Ratio Lower Upper
83 100
85 64.1 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.329 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Tgt Ion: 62 Resp: 83118
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.562 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

Instrument :

MSVOA_V

ClientSampleId :

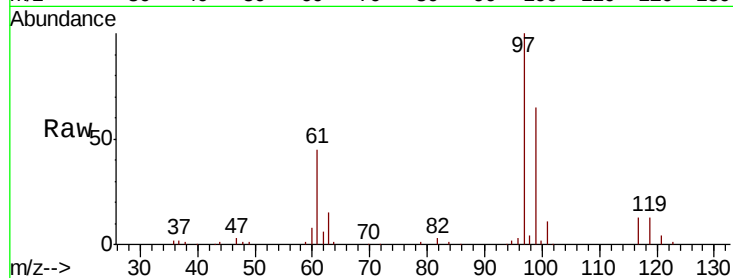
Tot Ion: 97 Resp: 120122

Ion Ratio Lower Upper

97 100

99 63.5 51.7 77.5

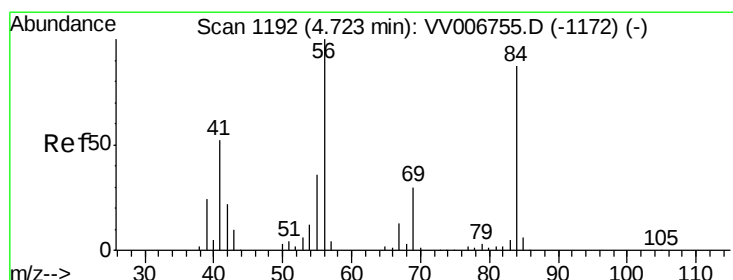
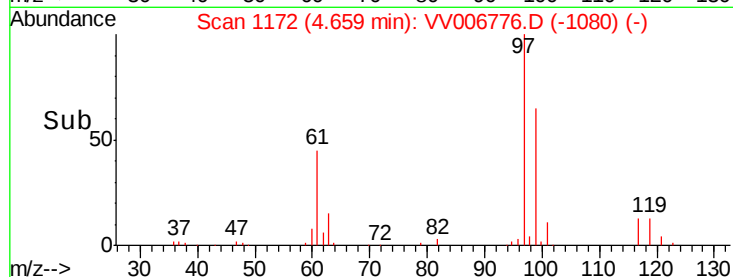
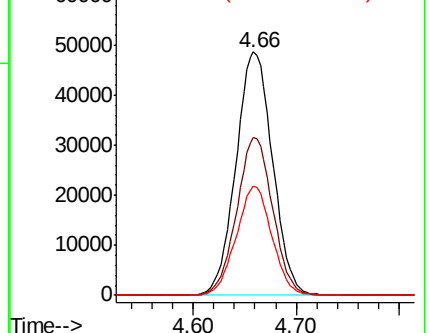
61 43.8 34.9 52.3



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.346 ug/L

RT: 4.72 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

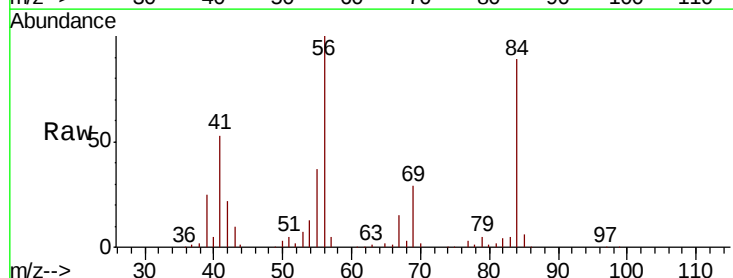
Tgt Ion: 56 Resp: 129267

Ion Ratio Lower Upper

56 100

69 30.2 24.6 36.8

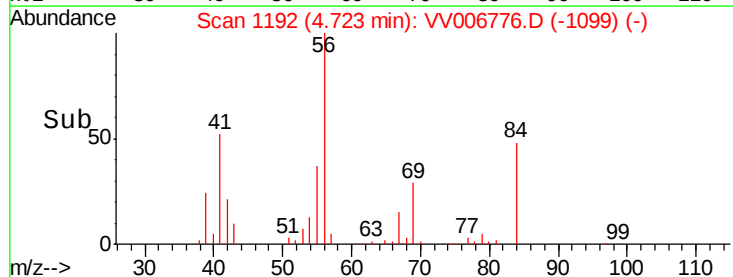
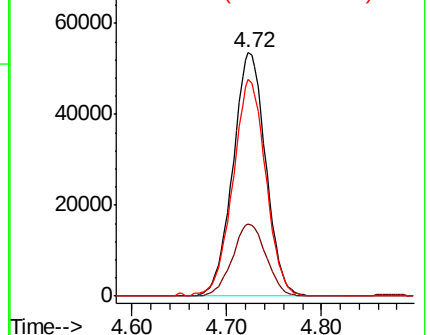
84 89.0 71.4 107.2

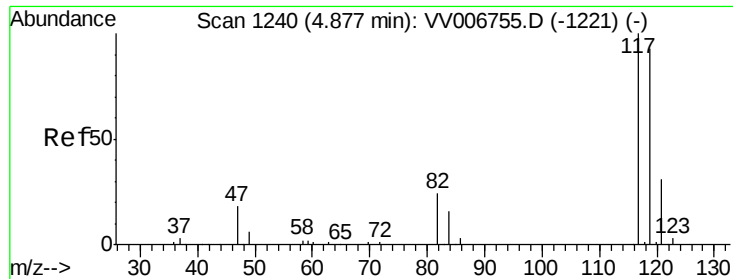


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.554 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

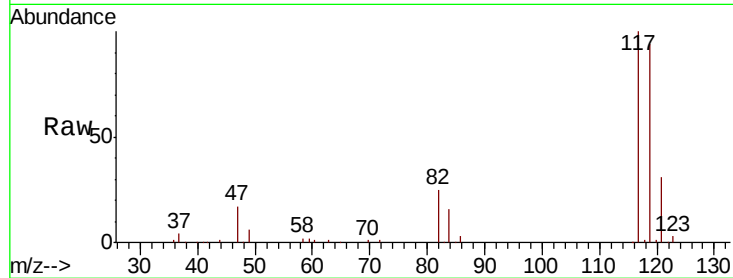
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 102512

Ion Ratio Lower Upper

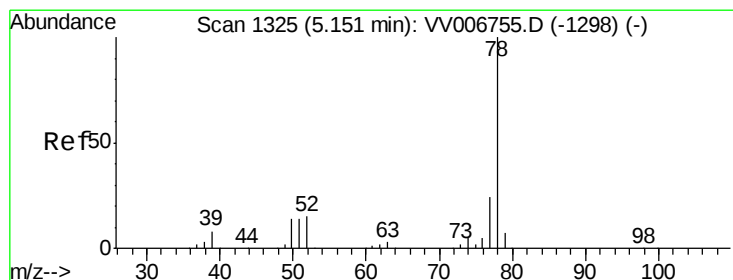
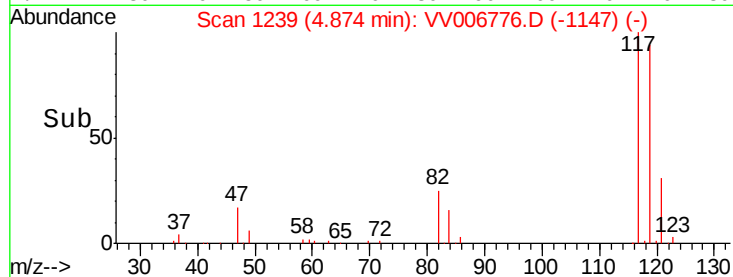
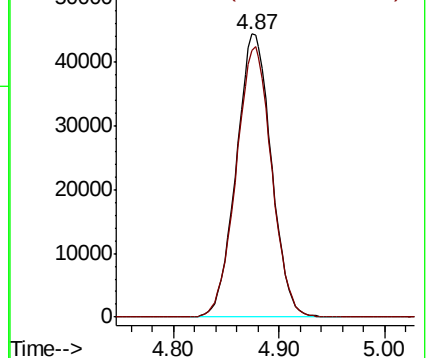
117 100

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



#33

Benzene

Concen: 5.519 ug/L

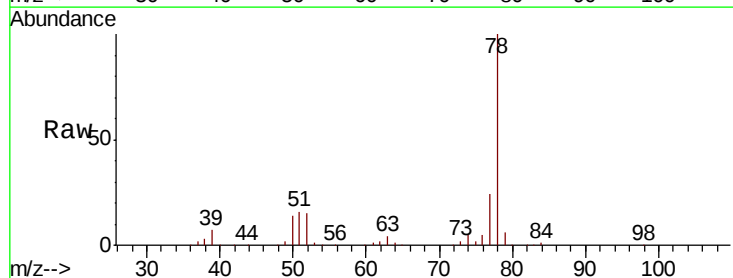
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

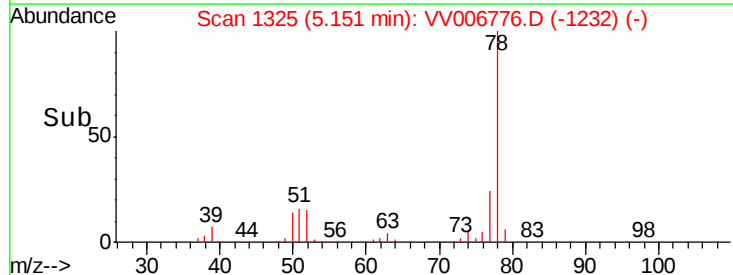
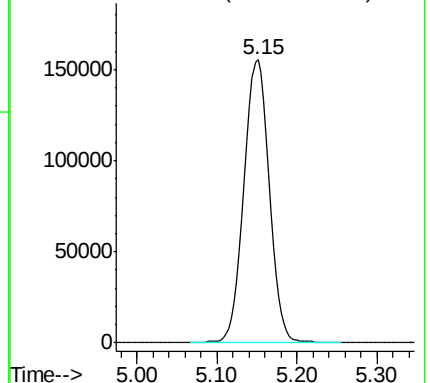
Lab File: VV006776.D

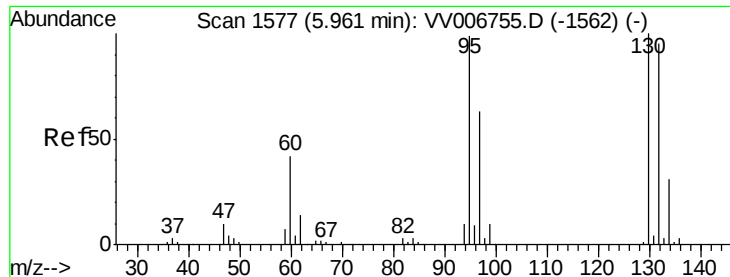
Acq: 31 Jul 2018 09:48

Tgt Ion: 78 Resp: 333049



Abundance Ion 78.10 (77.80 to 78.80): VV0

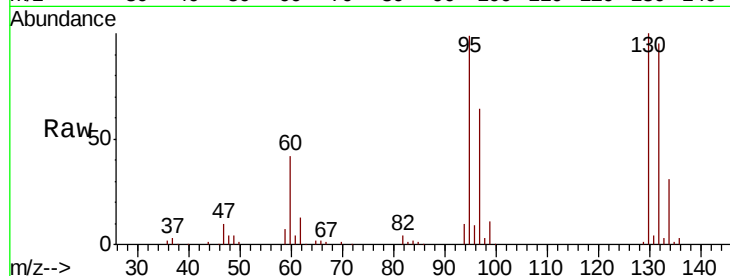




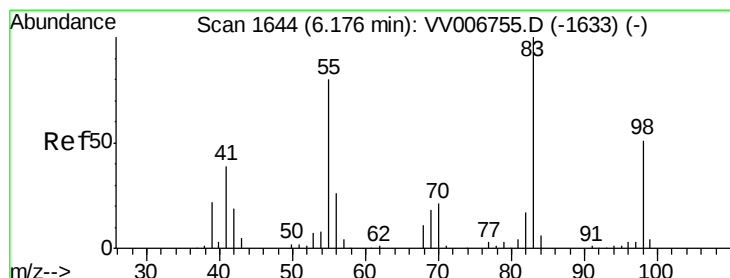
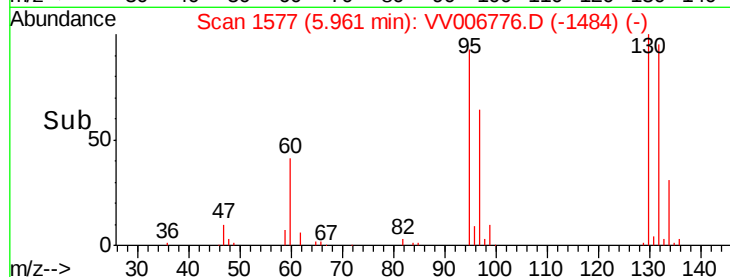
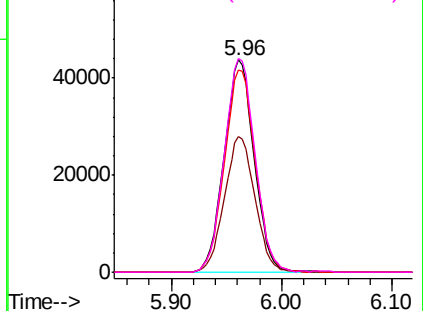
#34
 Trichloroethene
 Concen: 5.419 ug/L
 RT: 5.96 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 82543
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.9 83.3
 132 95.4 68.9 127.9
 130 100.7 73.4 136.4

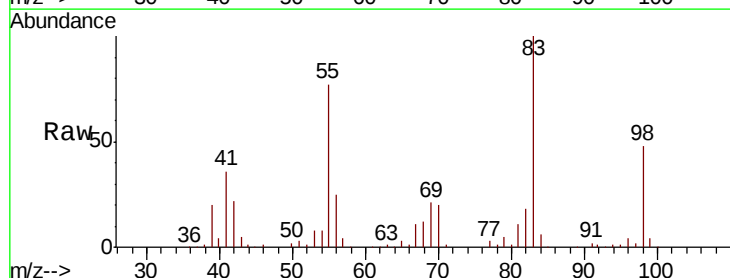


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

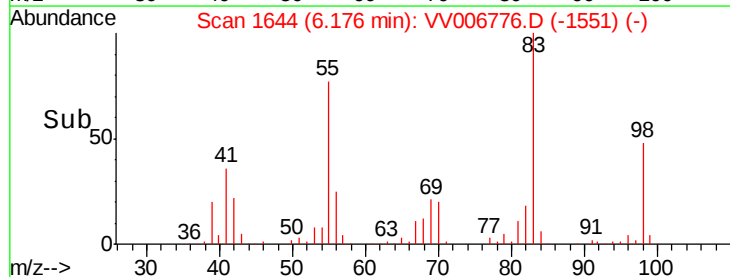
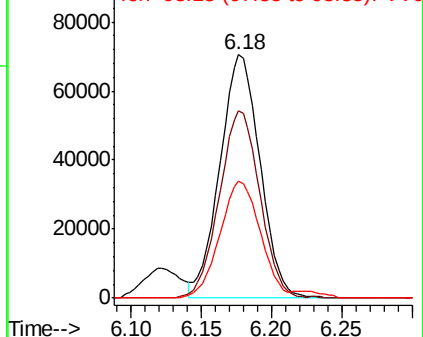


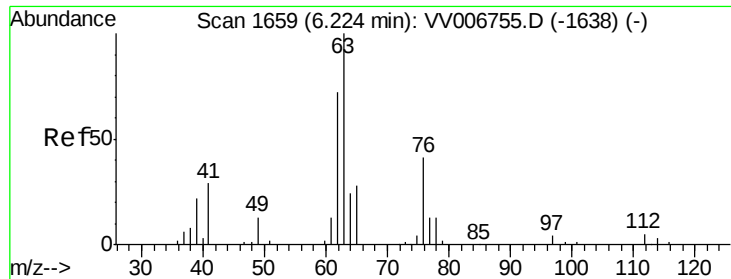
#35
 Methylcyclohexane
 Concen: 5.502 ug/L
 RT: 6.18 min Scan# 1644
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

Tgt Ion: 83 Resp: 140010
 Ion Ratio Lower Upper
 83 100
 55 77.4 61.9 92.9
 98 48.4 39.7 59.5



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: 5.415 ug/L

RT: 6.22 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

Instrument :

MSVOA_V

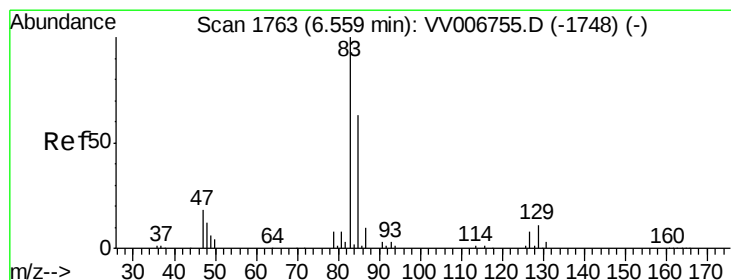
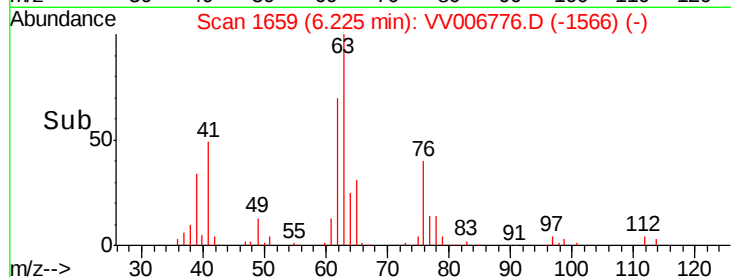
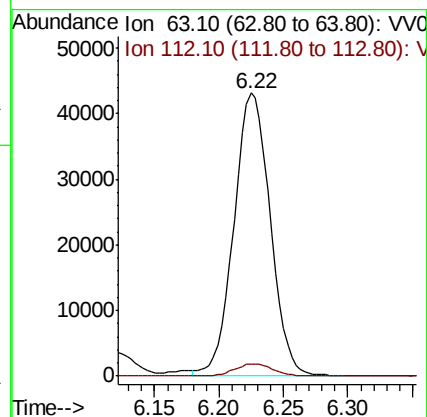
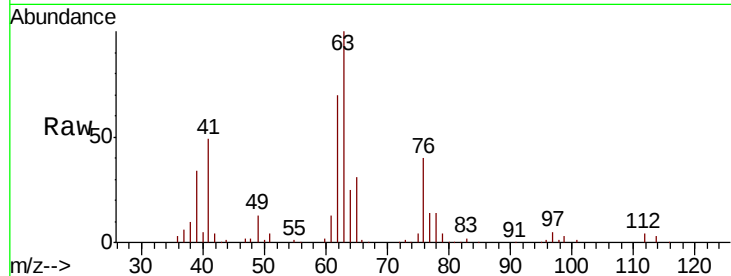
ClientSampleId :

Tot Ion: 63 Resp: 83878

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 5.439 ug/L

RT: 6.56 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

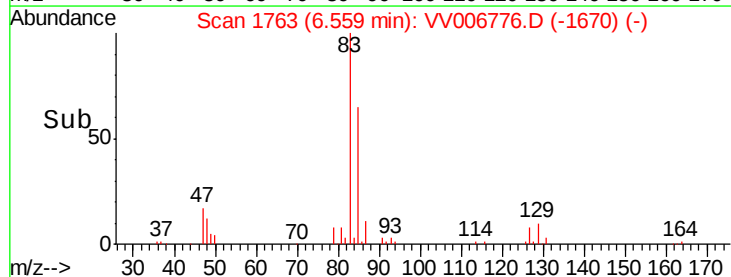
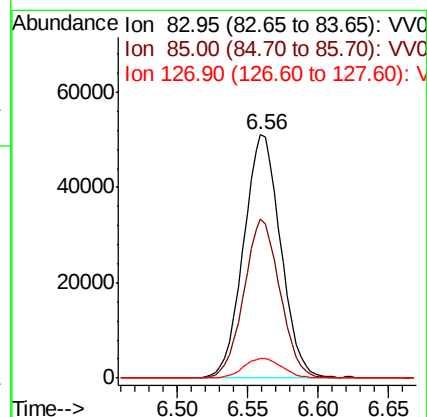
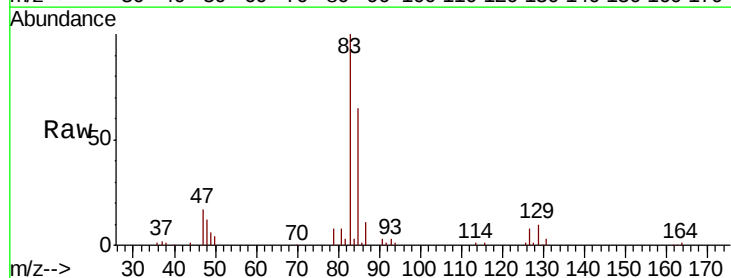
Tgt Ion: 83 Resp: 94115

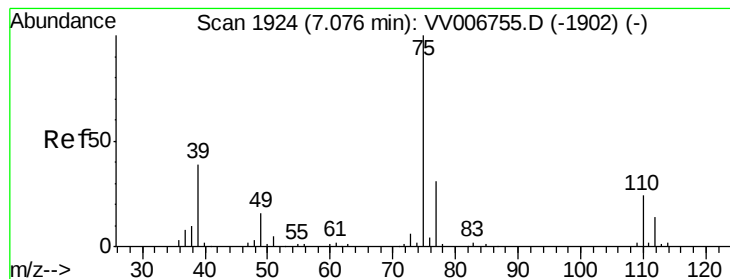
Ion Ratio Lower Upper

83 100

85 65.1 44.4 82.4

127 8.1 6.6 9.8



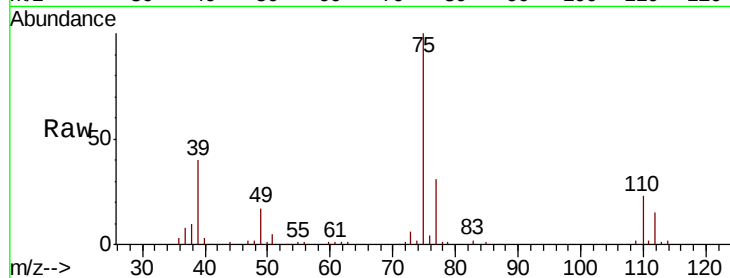


#39

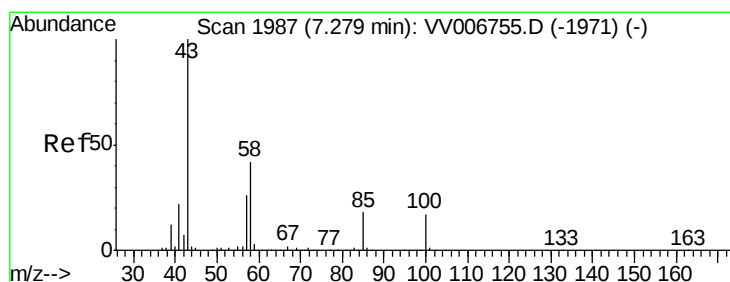
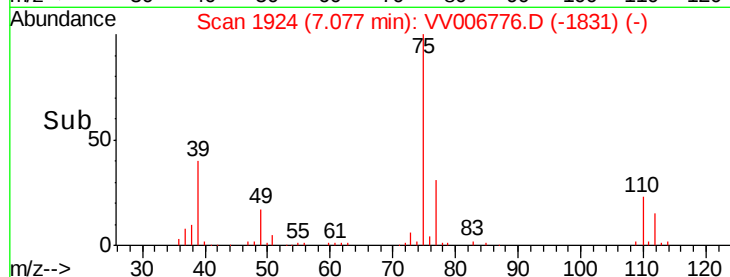
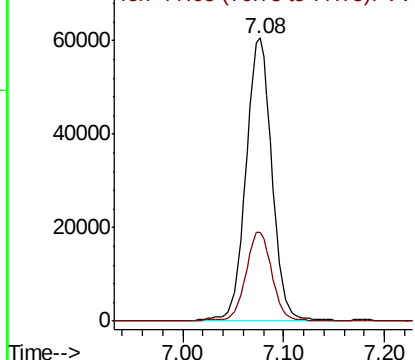
cis-1,3-Dichloropropene
Concen: 5.313 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 107205
Ion Ratio Lower Upper
75 100
77 31.5 22.0 40.8



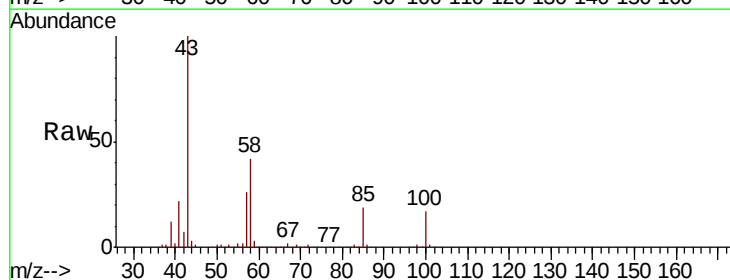
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



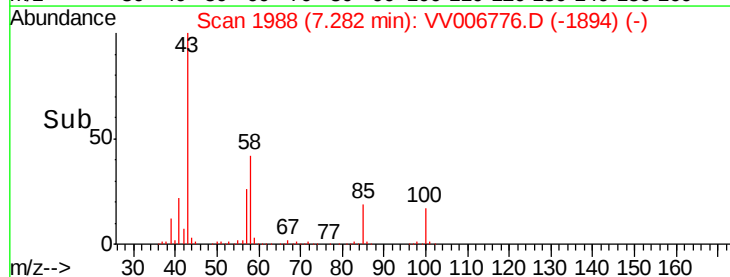
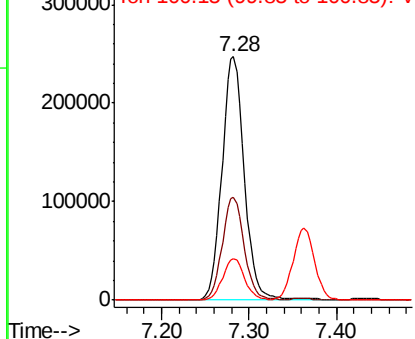
#40

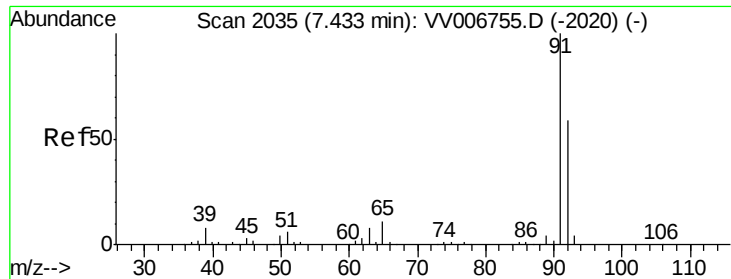
4-Methyl-2-pentanone
Concen: 51.602 ug/L
RT: 7.28 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Tgt Ion: 43 Resp: 439418
Ion Ratio Lower Upper
43 100
58 41.3 33.4 50.0
100 16.6 13.6 20.4



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: 5.547 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

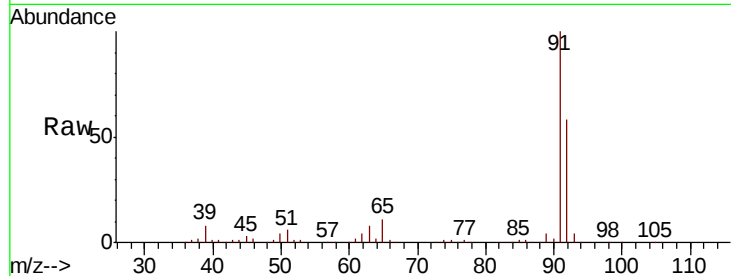
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 344648

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV006755.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VV006776.D (-2024) (-)

7.43

200000

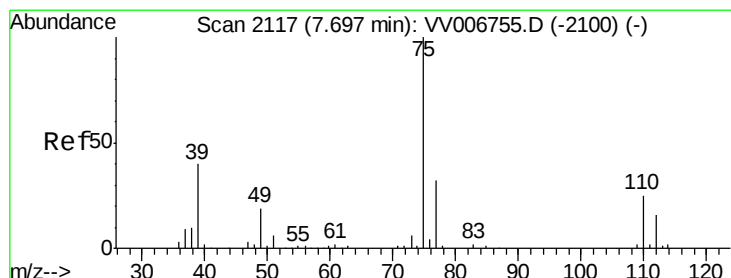
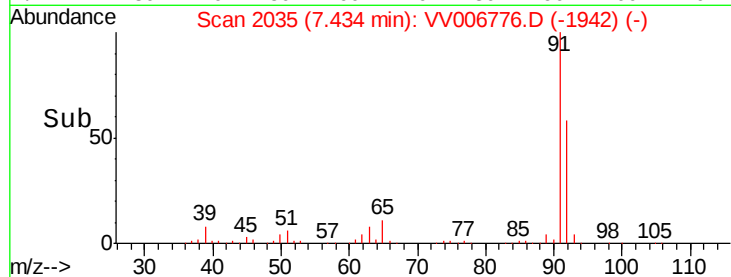
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.404 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VV006776.D

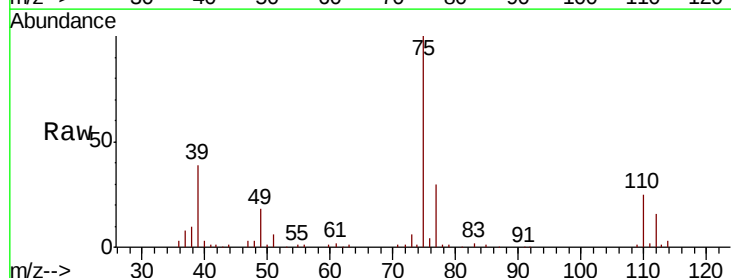
Acq: 31 Jul 2018 09:48

Tgt Ion: 75 Resp: 85747

Ion Ratio Lower Upper

75 100

77 30.3 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV006755.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV006776.D (-2024) (-)

7.70

60000

50000

40000

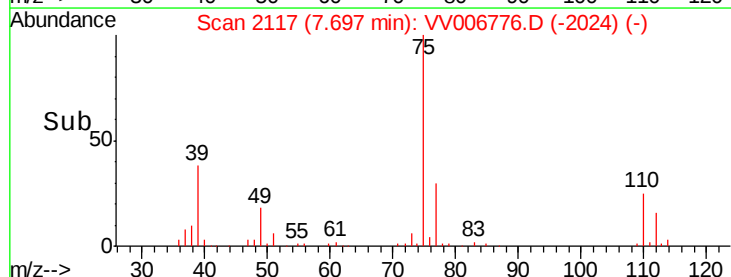
30000

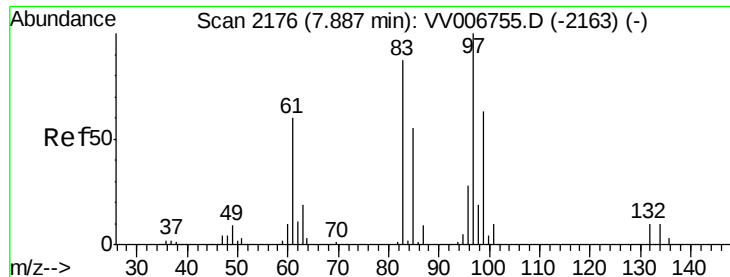
20000

10000

0

Time-->

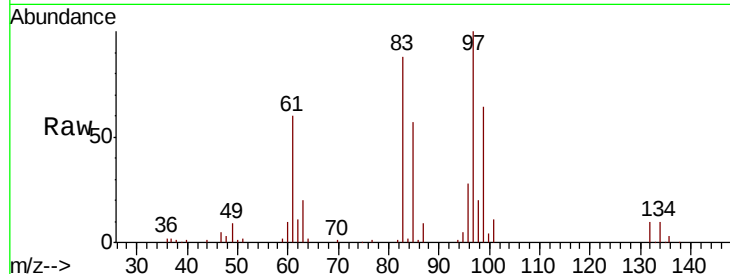




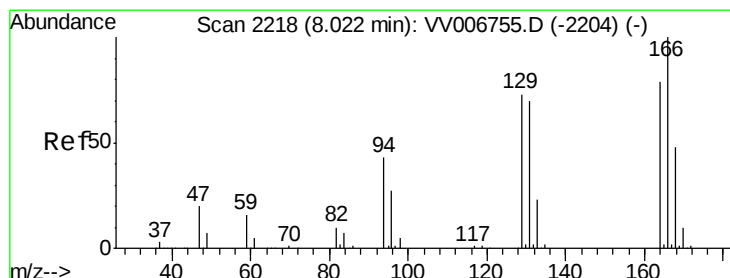
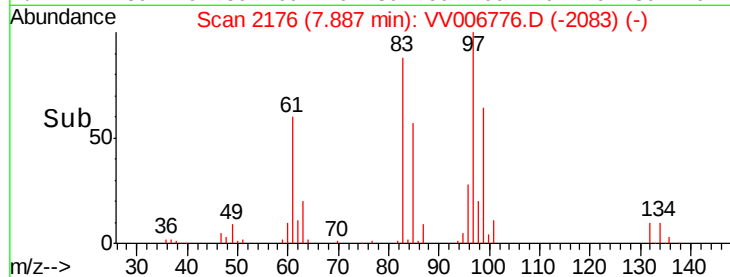
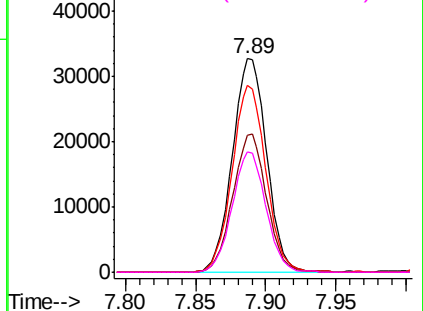
#45
 1,1,2-Trichloroethane
 Concen: 5.326 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	55561
Ion	Ratio	Lower	Upper
97	100		
99	64.3	43.0	79.8
83	87.5	59.4	110.4
85	56.6	37.5	69.7

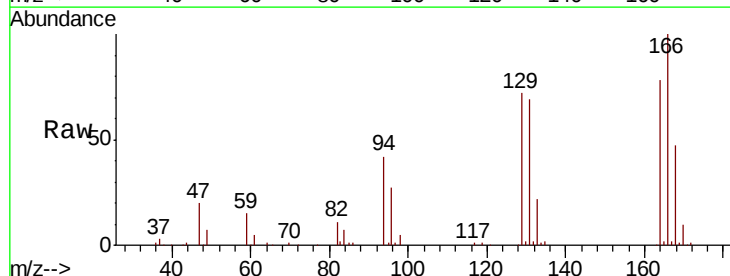


Abundance Ion 96.95 (96.65 to 97.65): VV006776.D (-2163) (-)
 Ion 99.05 (98.75 to 99.75): VV006776.D (-2163) (-)
 Ion 82.95 (82.65 to 83.65): VV006776.D (-2163) (-)
 Ion 85.00 (84.70 to 85.70): VV006776.D (-2163) (-)

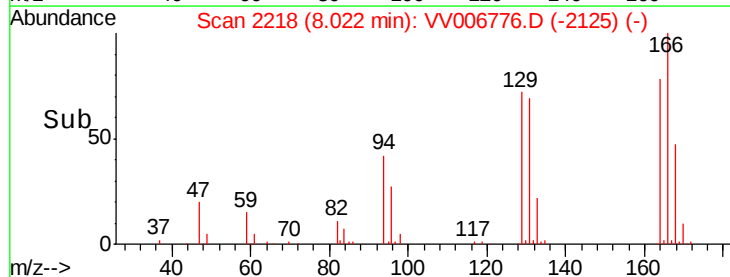
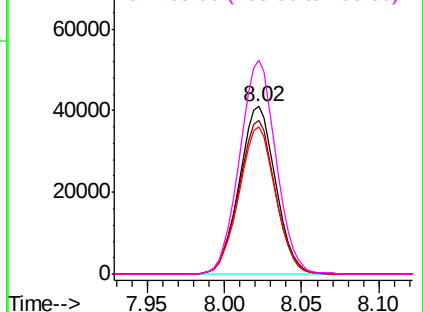


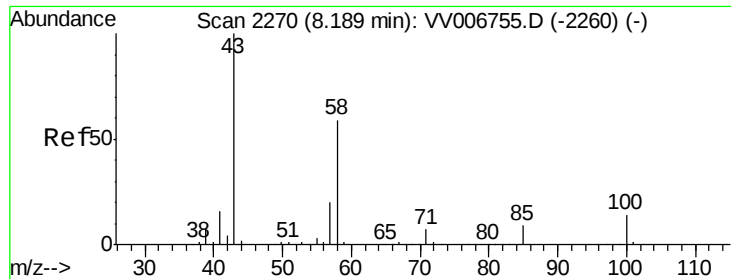
#47
 Tetrachloroethene
 Concen: 5.558 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

Tgt Ion:	164	Resp:	67244
Ion	Ratio	Lower	Upper
164	100		
129	91.5	65.0	120.8
131	87.6	61.9	115.1
166	127.5	89.3	165.9



Abundance Ion 163.90 (163.60 to 164.60): VV006776.D (-2218) (-)
 Ion 128.95 (128.65 to 129.65): VV006776.D (-2218) (-)
 Ion 130.95 (130.65 to 131.65): VV006776.D (-2218) (-)
 Ion 165.90 (165.60 to 166.60): VV006776.D (-2218) (-)

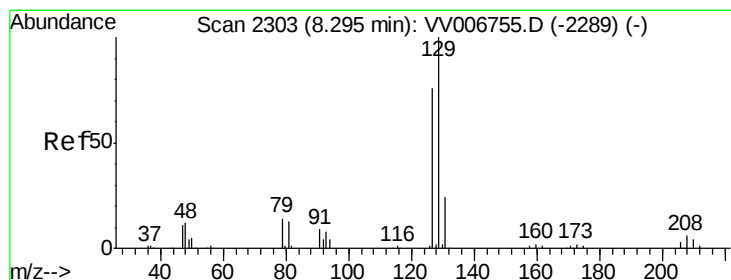
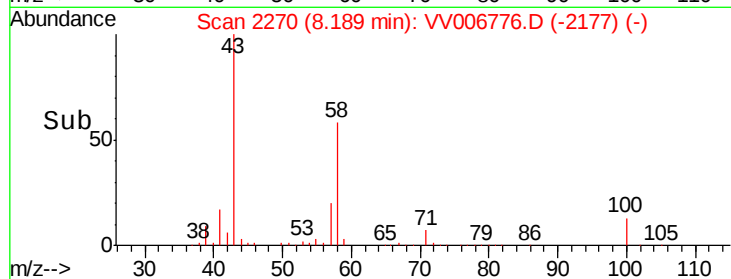
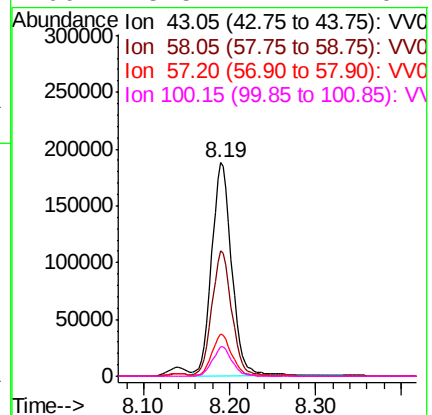
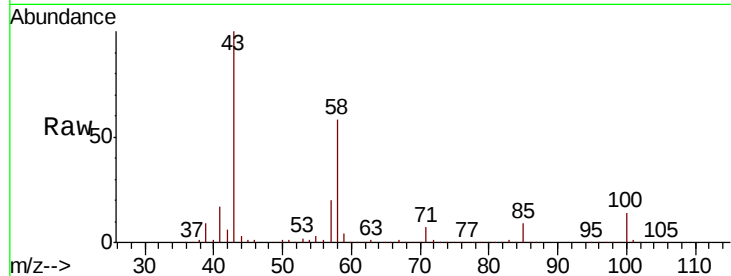




#48
2-Hexanone
Concen: 51.794 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

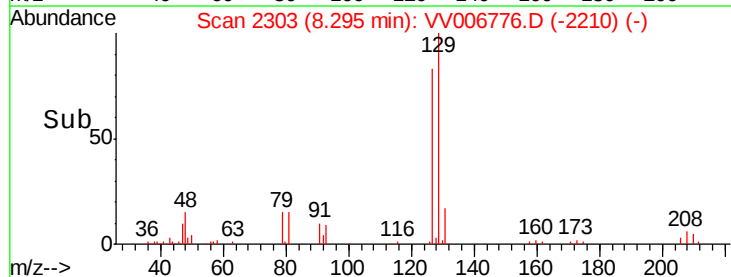
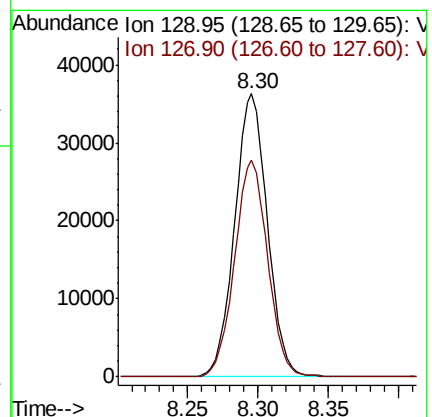
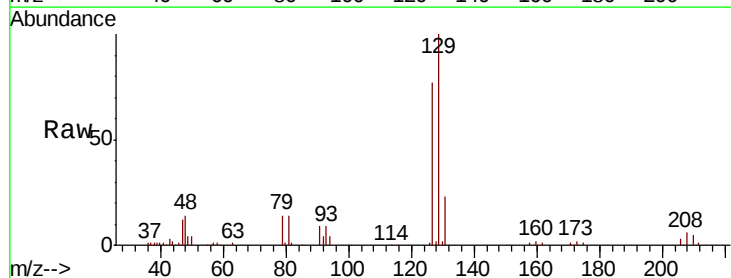
Instrument :
MSVOA_V
ClientSampled :

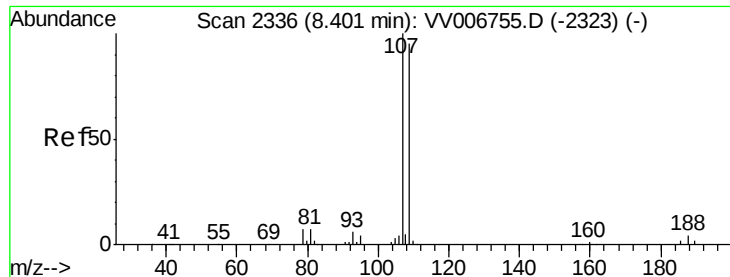
Tot Ion: 43 Resp: 307748
Ion Ratio Lower Upper
43 100
58 57.9 47.2 70.8
57 19.6 16.1 24.1
100 13.5 11.1 16.7



#49
Dibromochloromethane
Concen: 5.340 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Tgt Ion: 129 Resp: 58958
Ion Ratio Lower Upper
129 100
127 76.6 53.5 99.5

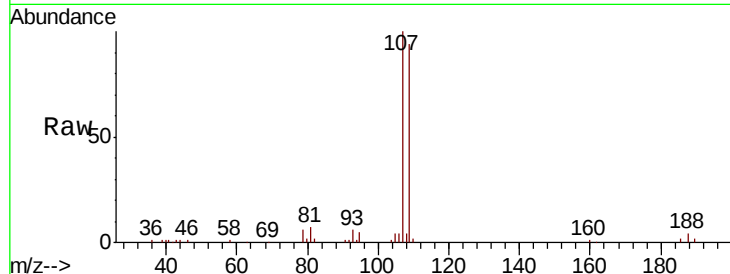




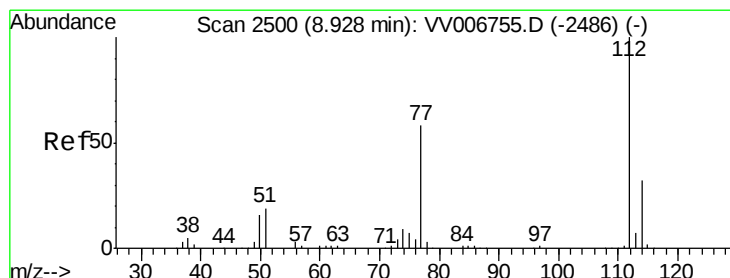
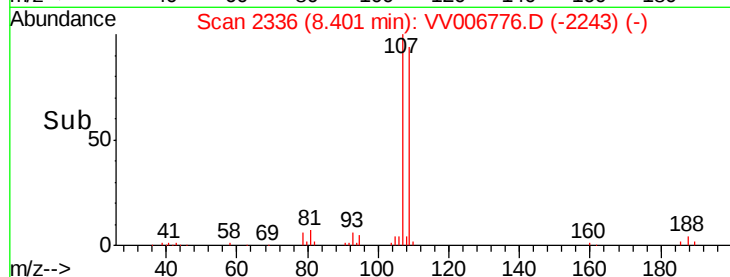
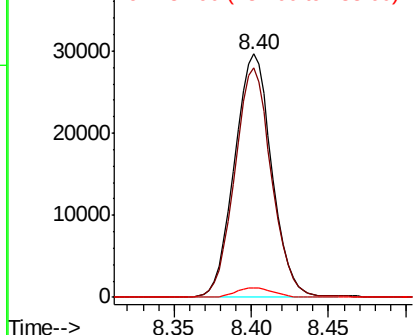
#50
1,2-Dibromoethane
Concen: 5.318 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 49583
Ion Ratio Lower Upper
107 100
109 94.1 66.8 124.0
188 3.8 3.1 4.7

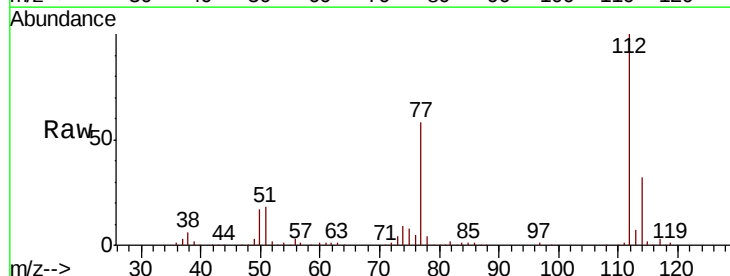


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

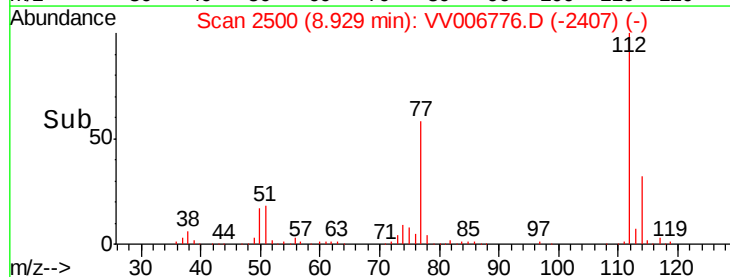
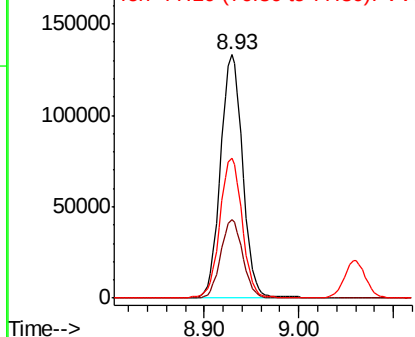


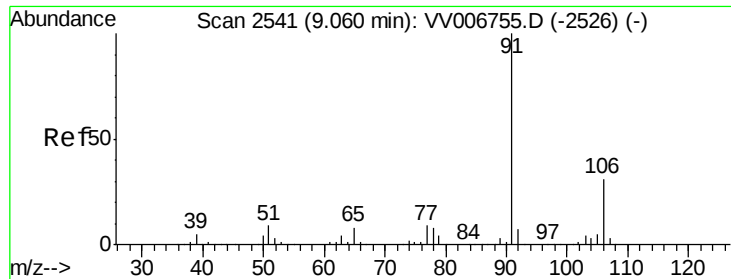
#51
Chlorobenzene
Concen: 5.373 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Tgt Ion:112 Resp: 217160
Ion Ratio Lower Upper
112 100
114 32.3 22.5 41.9
77 57.7 46.2 69.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

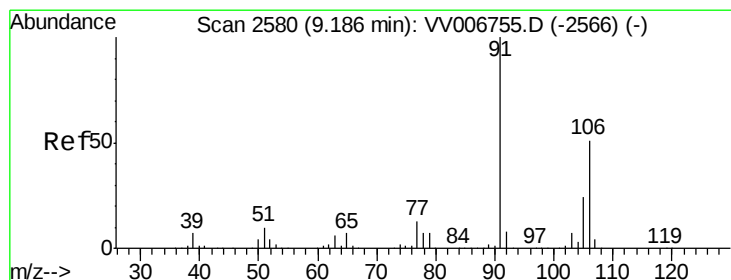
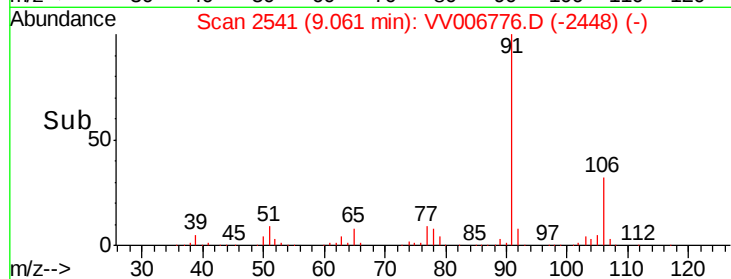
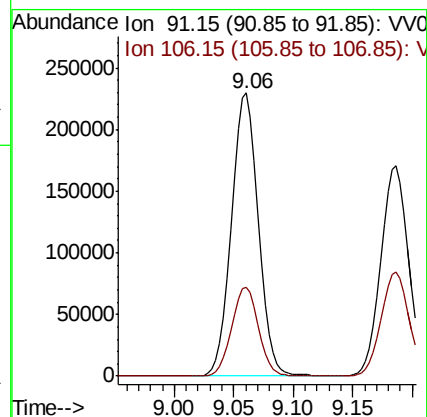
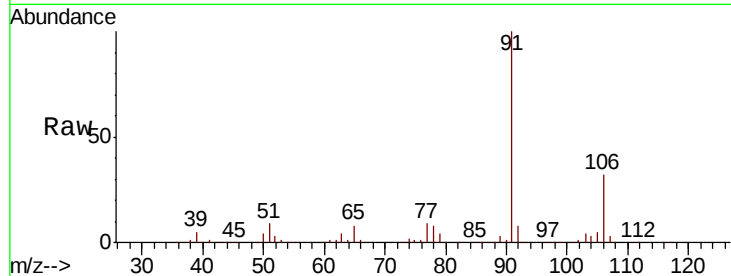




#52
Ethylbenzene
Concen: 5.439 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

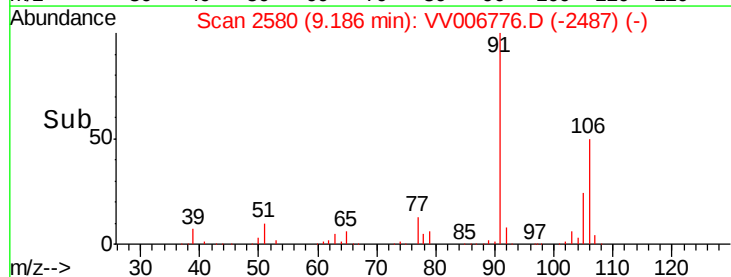
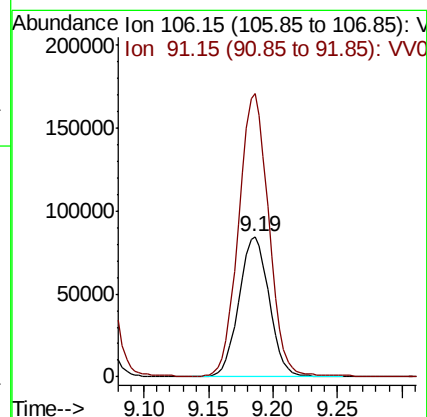
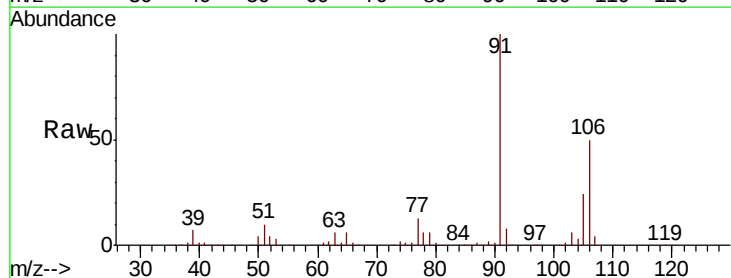
Instrument :
MSVOA_V
ClientSampled :

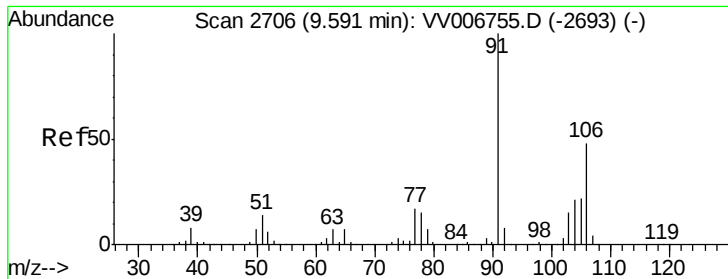
Tot Ion: 91 Resp: 360228
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.6



#53
m,p-xylene
Concen: 5.533 ug/L
RT: 9.19 min Scan# 2580
Delta R.T. 0.00 min
Lab File: VV006776.D
Acq: 31 Jul 2018 09:48

Tgt Ion: 106 Resp: 138368
Ion Ratio Lower Upper
106 100
91 201.2 140.3 260.5





#54

o-xylene

Concen: 5.431 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

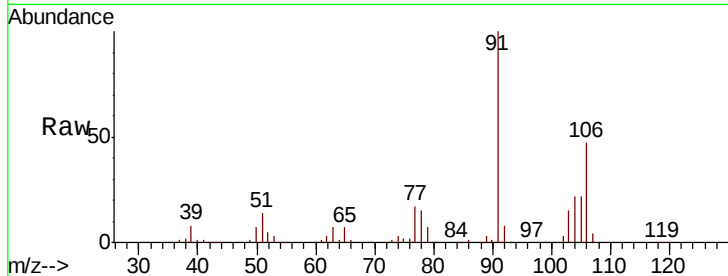
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 132292

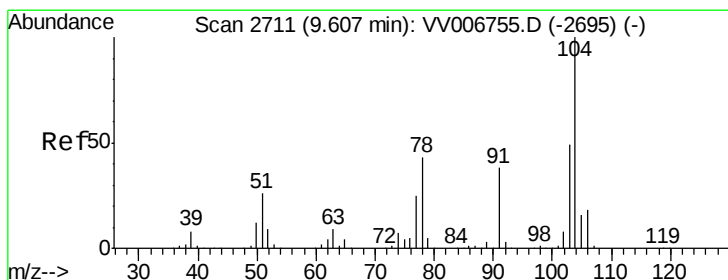
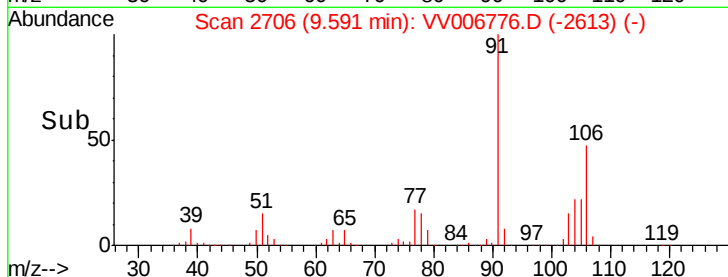
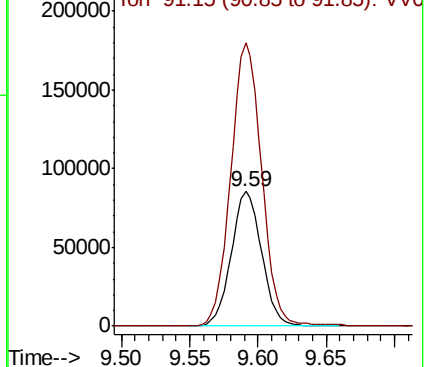
Ion Ratio Lower Upper

106 100

91 210.7 146.0 271.2



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



#55

Styrene

Concen: 5.533 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV006776.D

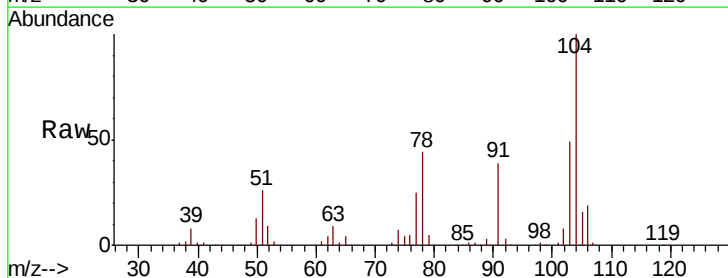
Acq: 31 Jul 2018 09:48

Tgt Ion:104 Resp: 227331

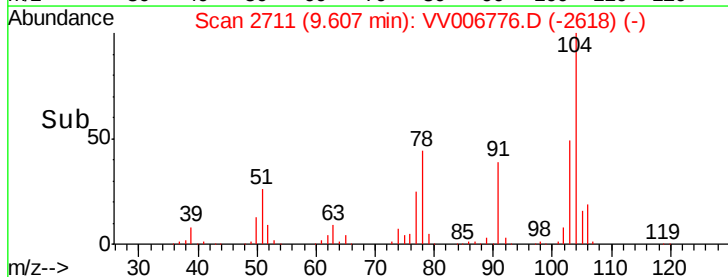
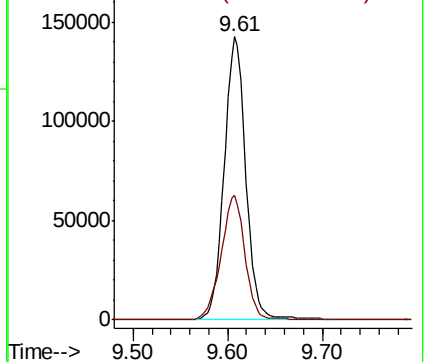
Ion Ratio Lower Upper

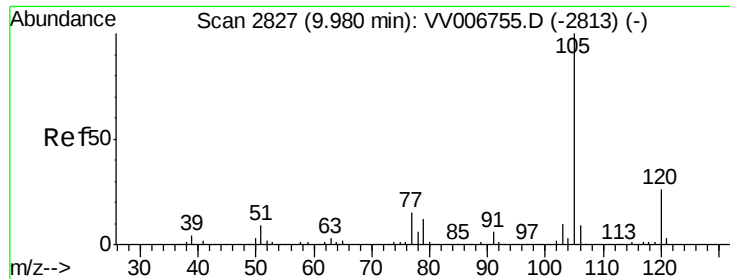
104 100

78 43.9 29.0 53.9



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





#56

Isopropylbenzene

Concen: 5.560 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

Instrument :

MSVOA_V

ClientSampleId :

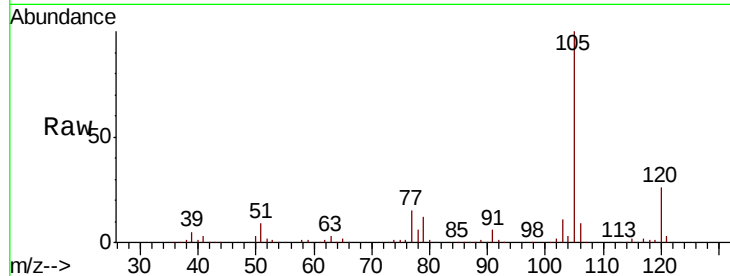
Tot Ion:105 Resp: 351707

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

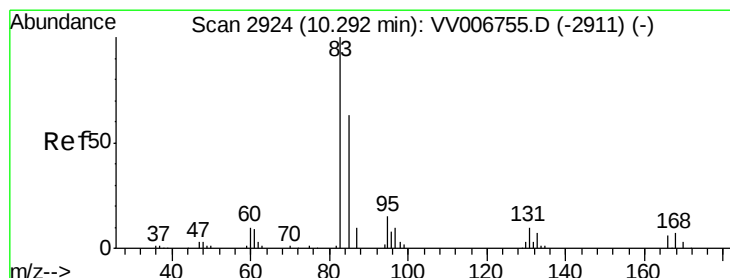
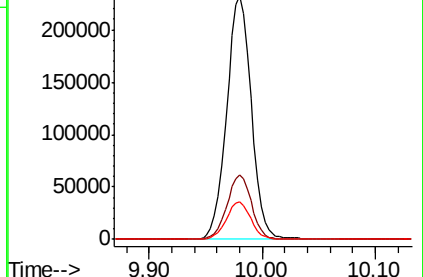
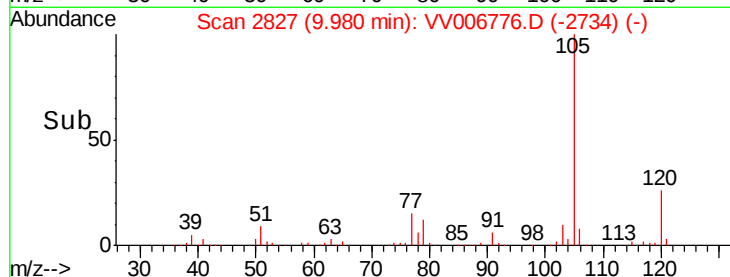
77 15.4 12.2 18.2



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: 4.958 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

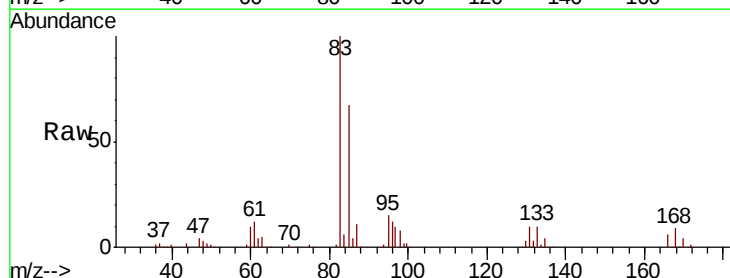
Tgt Ion: 83 Resp: 63274

Ion Ratio Lower Upper

83 100

85 67.5 45.6 84.6

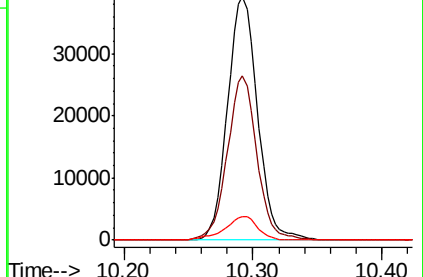
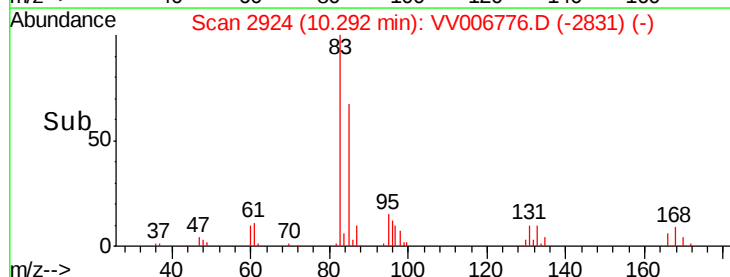
131 9.9 8.0 12.0

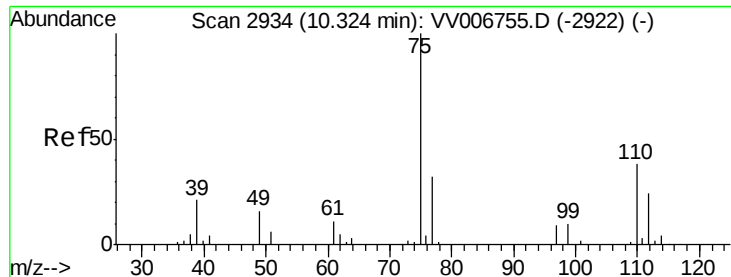


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

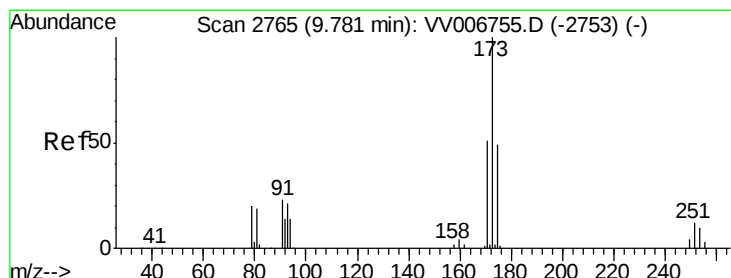
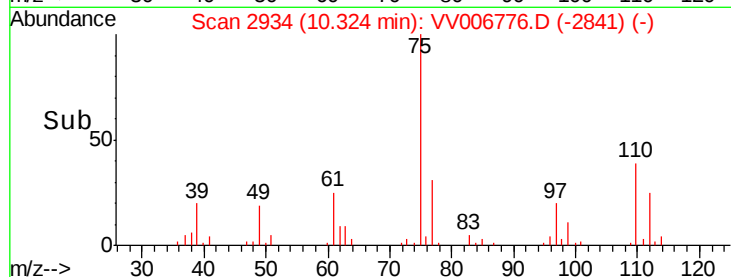
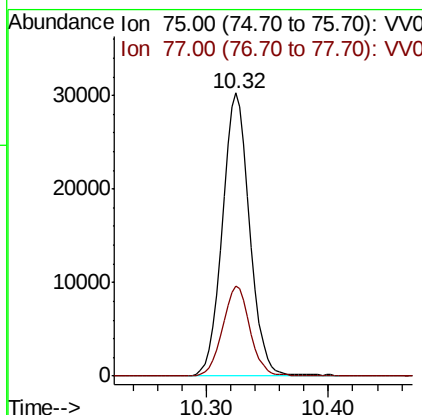
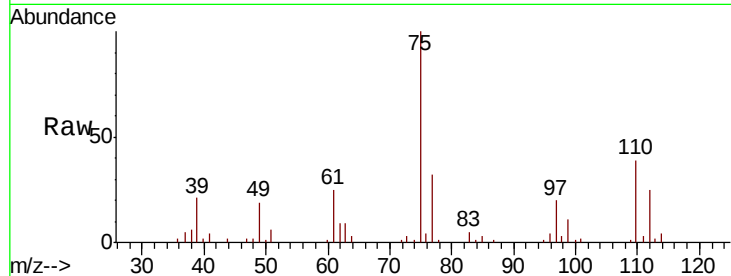




#59
 1,2,3-Trichloropropane
 Concen: 5.212 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

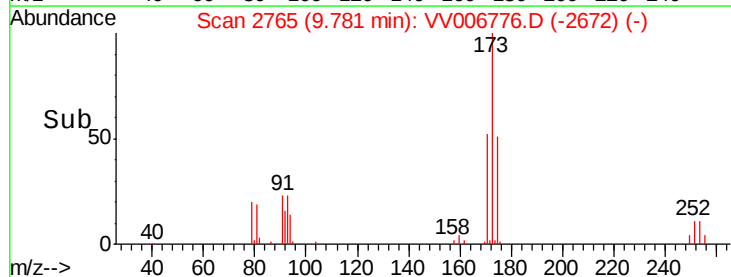
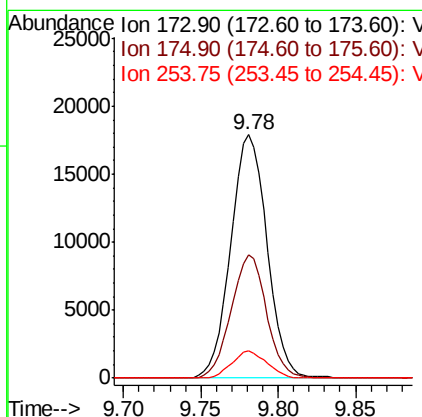
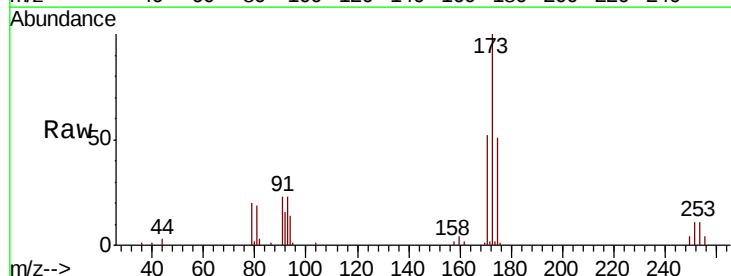
Instrument :
 MSVOA_V
 ClientSampleId :

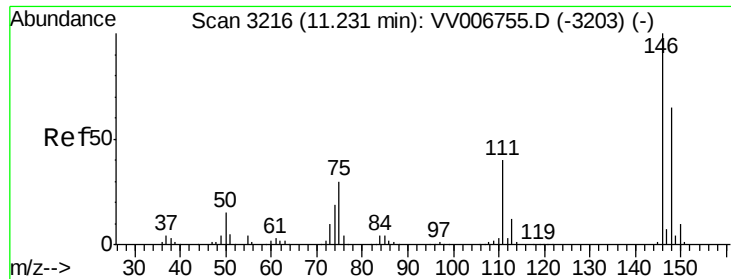
Tot Ion: 75 Resp: 47521
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.1 39.1



#61
 Bromoform
 Concen: 5.144 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

Tgt Ion: 173 Resp: 29117
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.1 58.7
 254 10.6 9.1 13.7

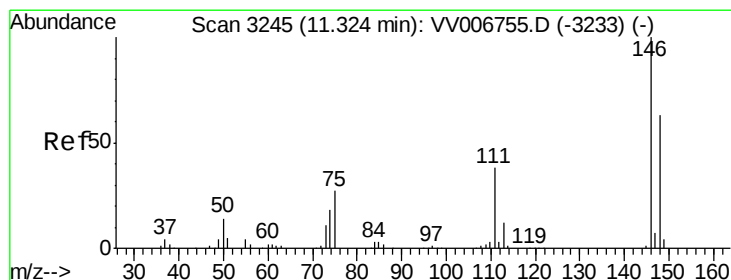
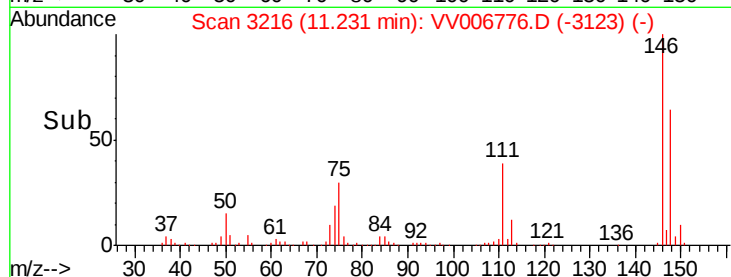
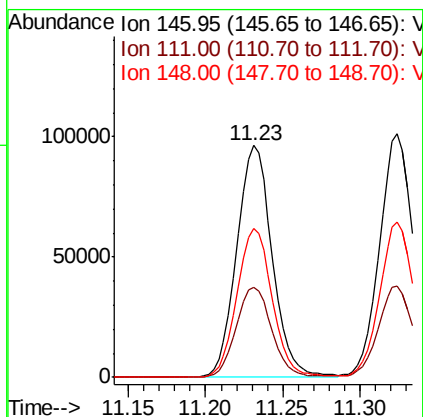
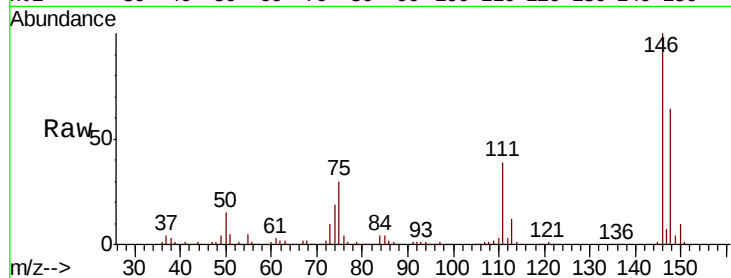




#62
 1,3-Dichlorobenzene
 Concen: 5.335 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

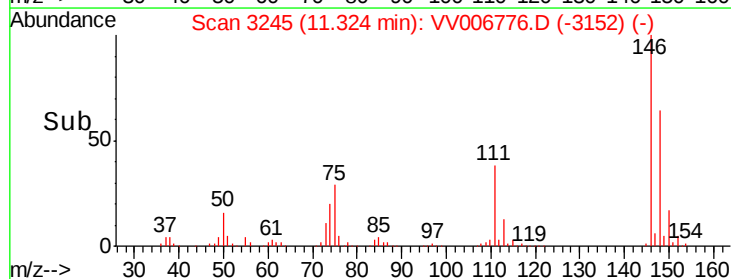
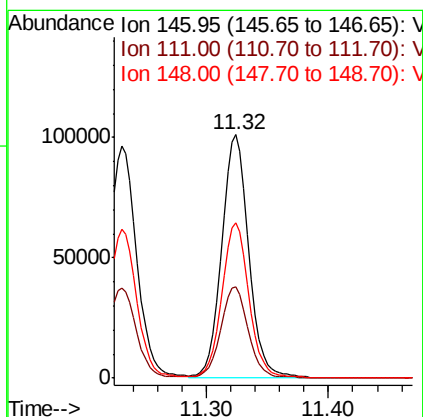
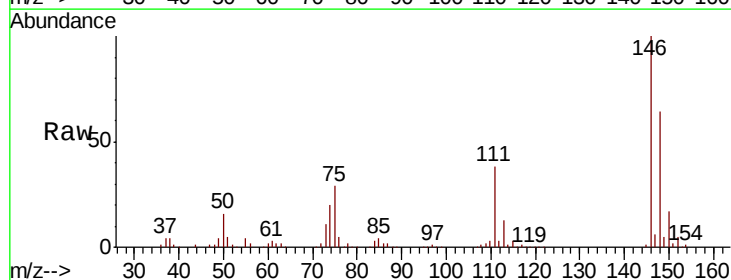
Instrument :
 MSVOA_V
 ClientSampleId :

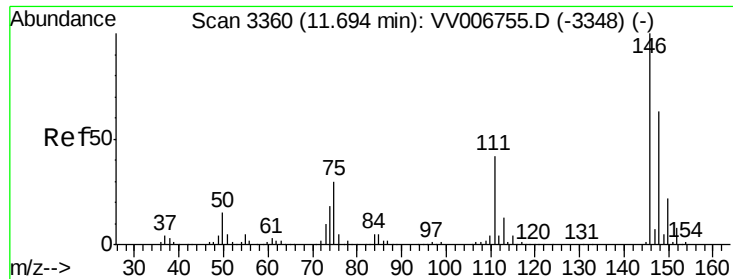
Tot Ion:146 Resp: 153591
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.5 51.1
 148 64.1 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.398 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

Tgt Ion:146 Resp: 158369
 Ion Ratio Lower Upper
 146 100
 111 37.8 27.0 50.2
 148 63.9 45.1 83.7

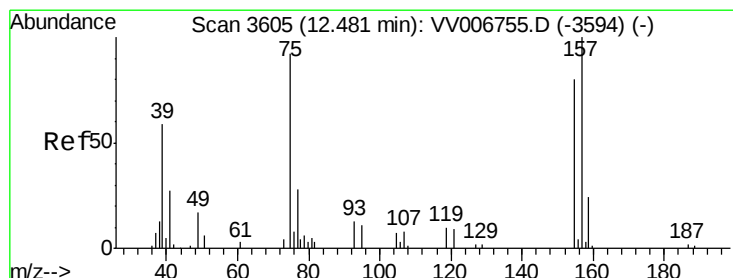
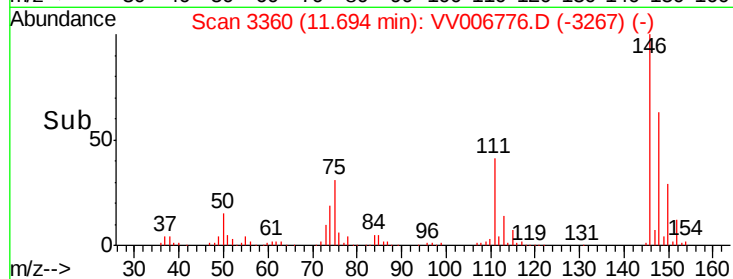
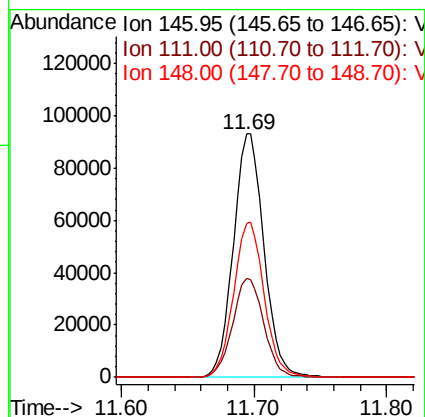
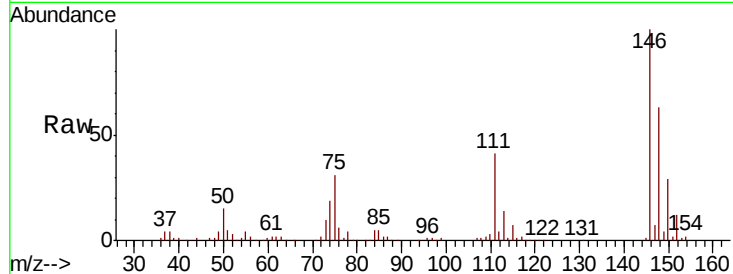




#65
 1,2-Dichlorobenzene
 Concen: 5.311 ug/L
 RT: 11.69 min Scan# 3360
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

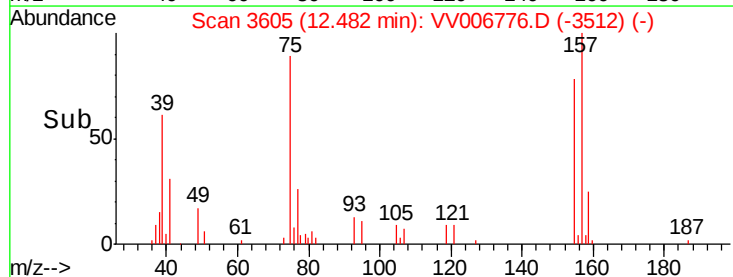
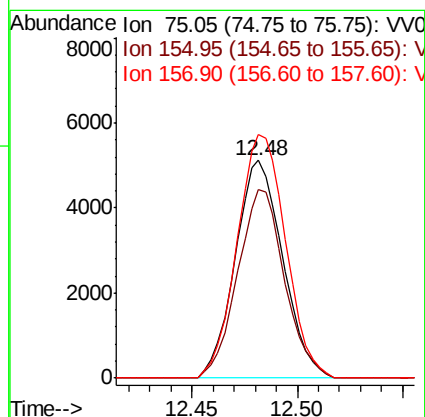
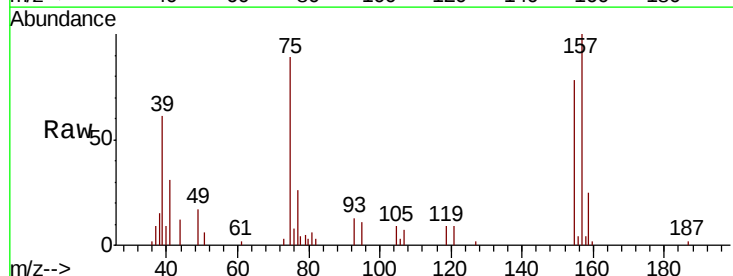
Instrument :
 MSVOA_V
 ClientSampleId :

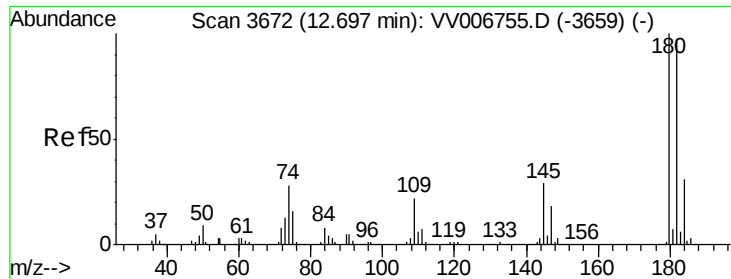
Tot Ion:146 Resp: 148920
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.9 49.3
 148 63.3 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.762 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

Tgt Ion: 75 Resp: 7992
 Ion Ratio Lower Upper
 75 100
 155 86.7 68.8 103.2
 157 111.9 85.6 128.4

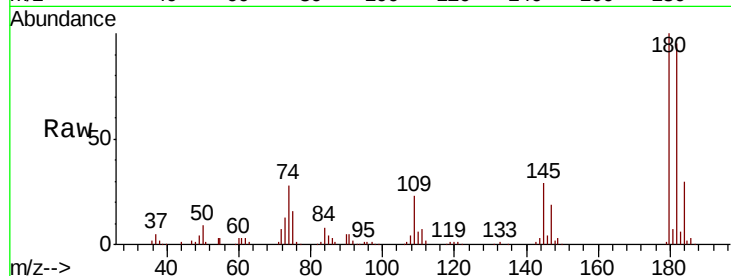




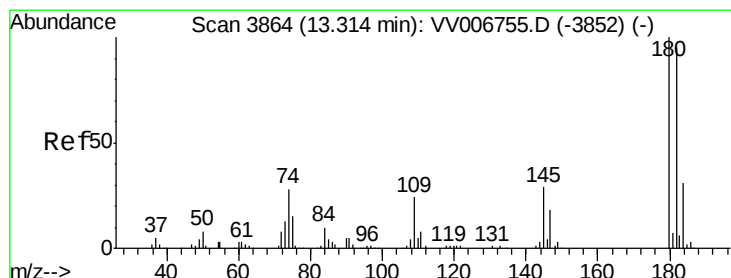
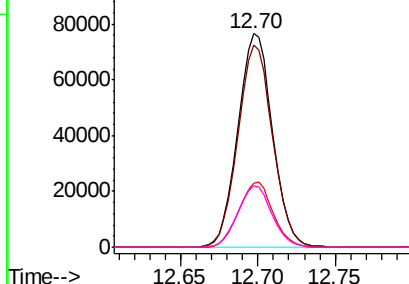
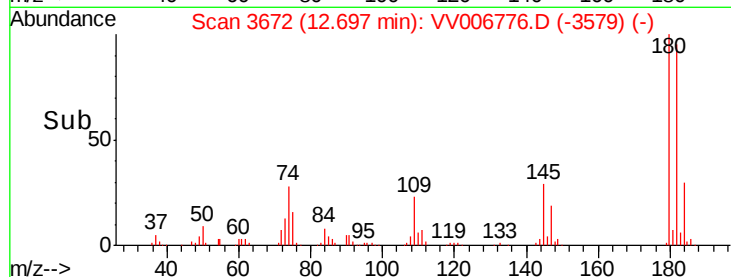
#67
 1,3,5-Trichlorobenzene
 Concen: 5.425 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.8	115.2
184	30.2	24.6	37.0
145	28.5	22.8	34.2

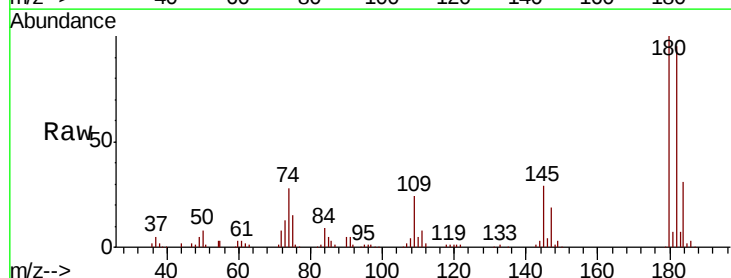


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

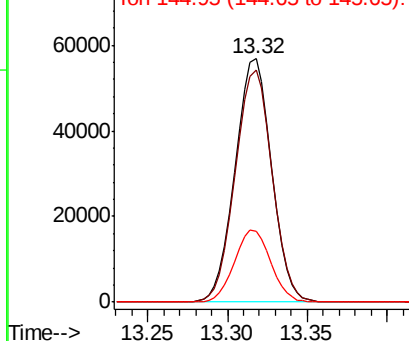
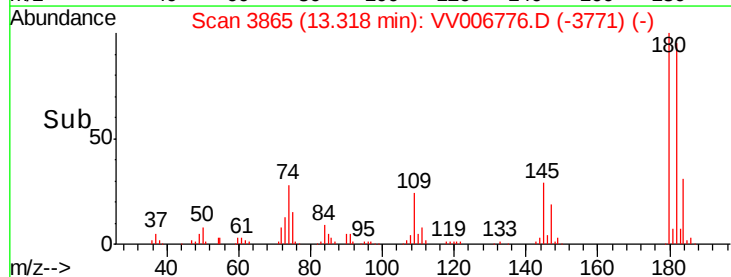


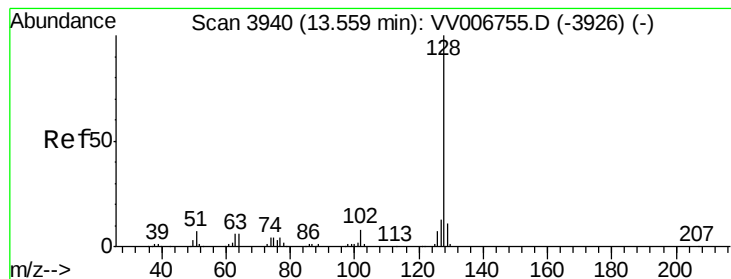
#68
 1,2,4-trichlorobenzene
 Concen: 5.048 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006776.D
 Acq: 31 Jul 2018 09:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.4
145	29.4	23.4	35.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.475 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

Instrument :

MSVOA_V

ClientSampled :

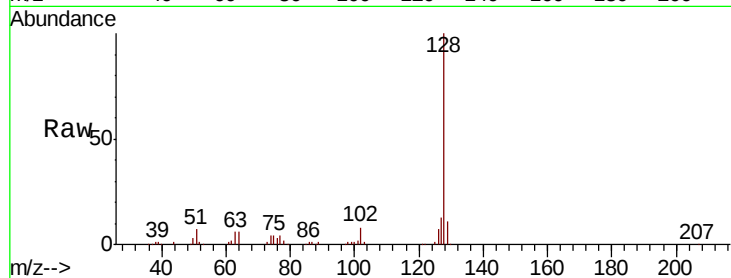
Tot Ion:128 Resp: 133710

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

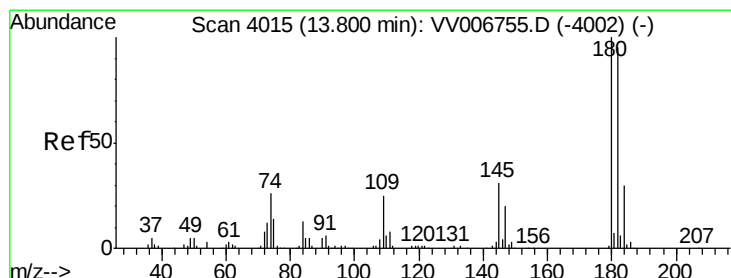
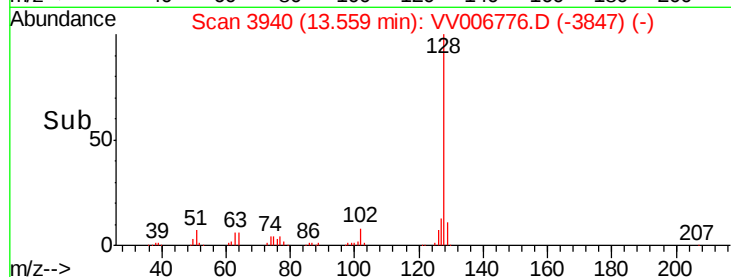
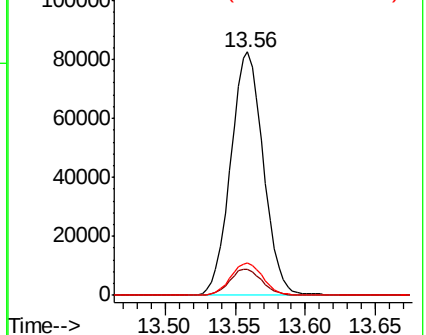
127 13.2 10.3 15.5



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: 5.081 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006776.D

Acq: 31 Jul 2018 09:48

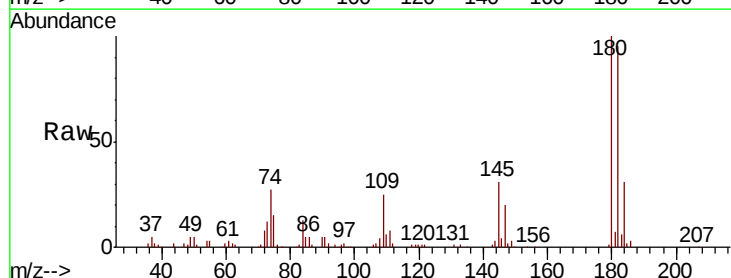
Tgt Ion:180 Resp: 83952

Ion Ratio Lower Upper

180 100

182 94.8 75.3 112.9

145 31.0 24.5 36.7



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

