

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073018\
 Data File : VV006774.D
 Acq On : 30 Jul 2018 20:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 31 07:42:07 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	196491	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	186219	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	85075	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48617	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.57	69	43328	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.13	63	100508	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	3.95	46	177653	55.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.20%
24) Chloroform-d	4.40	84	107165	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.09	65	53777	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.00%
32) Benzene-d6	5.10	84	204595	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.12	67	70033	5.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.40%
41) Toluene-d8	7.36	98	182084	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
43) trans-1,3-Dichloropropene-	7.67	79	22659	5.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.40%
46) 2-Hexanone-d5	8.14	63	145561	54.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.96%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	58984	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	67762	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	74813	4.231	ug/L	# 86
3) Chloromethane	1.25	50	88354	5.885	ug/L	100
5) Vinyl chloride	1.32	62	92294	4.908	ug/L	100
6) Bromomethane	1.52	94	22623	4.916	ug/L	97
8) Chloroethane	1.59	64	55518	5.395	ug/L	98
9) Trichlorofluoromethane	1.76	101	103333	4.791	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	59987	4.564	ug/L	98
12) 1,1-Dichloroethene	2.14	96	63354	4.922	ug/L	95
13) Acetone	2.19	43	116758	57.432	ug/L	100
14) Carbon disulfide	2.31	76	194716	4.498	ug/L	100
15) Methyl Acetate	2.46	43	34533	5.730	ug/L	96
16) Methylene chloride	2.54	84	75994	5.150	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	177221	5.612	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	71925	5.144	ug/L	100
19) 1,1-Dichloroethane	3.23	63	139467	5.423	ug/L	100
21) 2-Butanone	4.04	43	197299	57.941	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	76981	5.280	ug/L	98

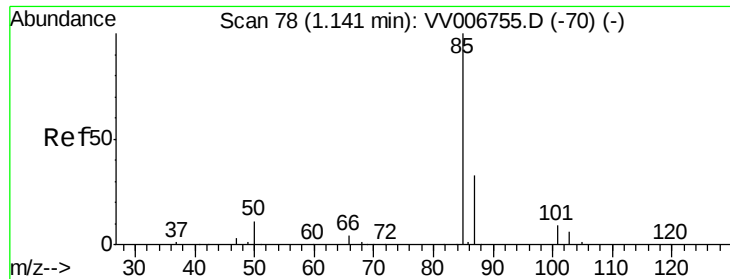
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073018\
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 QLast Update : Tue Jul 31 07:41:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33208	5.535	ug/L	98
25) Chloroform	4.43	83	129568	5.369	ug/L	98
27) 1,2-Dichloroethane	5.19	62	78975	5.578	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	101881	5.085	ug/L	100
30) Cyclohexane	4.72	56	93487	4.168	ug/L	100
31) Carbon tetrachloride	4.88	117	83714	4.888	ug/L	99
33) Benzene	5.15	78	291951	5.215	ug/L	100
34) Trichloroethene	5.96	95	70893	5.016	ug/L	99
35) Methylcyclohexane	6.18	83	96940	4.106	ug/L	98
37) 1,2-Dichloropropane	6.23	63	77228	5.374	ug/L	99
38) Bromodichloromethane	6.56	83	84726	5.278	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	95628	5.108	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	455404	57.646	ug/L	99
42) Toluene	7.44	91	302303	5.244	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	77268	5.249	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	53885	5.567	ug/L	98
47) Tetrachloroethene	8.02	164	53868	4.799	ug/L	99
48) 2-Hexanone	8.19	43	318687	57.813	ug/L	99
49) Dibromochloromethane	8.30	129	53937	5.266	ug/L	98
50) 1,2-Dibromoethane	8.40	107	47319	5.470	ug/L	98
51) Chlorobenzene	8.93	112	191949	5.119	ug/L	99
52) Ethylbenzene	9.06	91	304273	4.952	ug/L	100
53) m,p-xylene	9.19	106	118065	5.089	ug/L	99
54) o-xylene	9.59	106	113837	5.037	ug/L	99
55) Styrene	9.61	104	199600	5.237	ug/L	99
56) Isopropylbenzene	9.98	105	290018	4.942	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	64248	5.426	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	47542	5.621	ug/L	99
61) Bromoform	9.78	173	27544	5.327	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	134609	5.119	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	137523	5.131	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	135621	5.294	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	8446	5.509	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	100990	5.029	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	77569	4.863	ug/L	99
69) Naphthalene	13.56	128	129757	4.754	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	77436	5.130	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.231 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

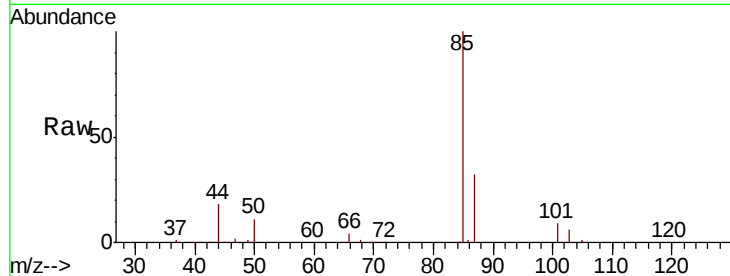
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 74813

Ion Ratio Lower Upper

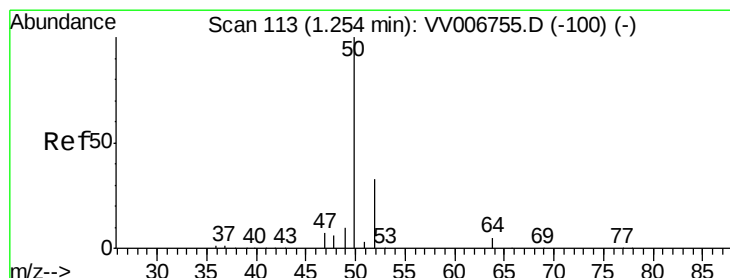
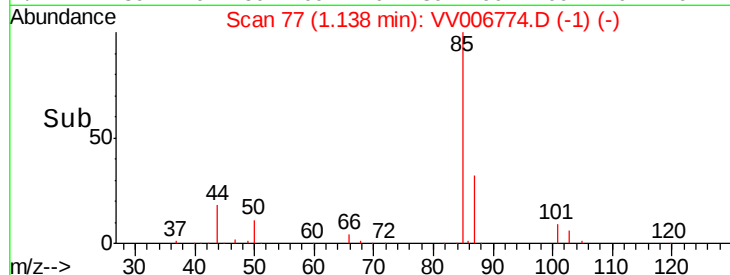
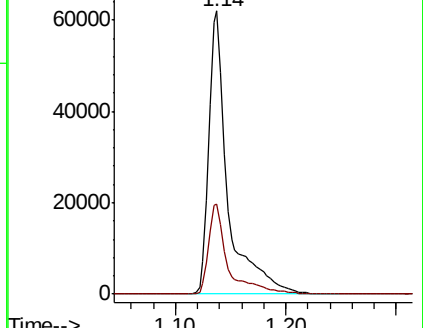
85 100

87 32.1 19.9 29.9#



Abundance Ion 85.00 (84.70 to 85.70): VV006774.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV006774.D (-1) (-)



#3

Chloromethane

Concen: 5.885 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006774.D

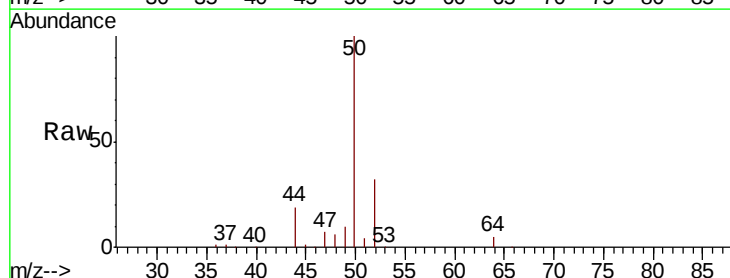
Acq: 30 Jul 2018 20:30

Tgt Ion: 50 Resp: 88354

Ion Ratio Lower Upper

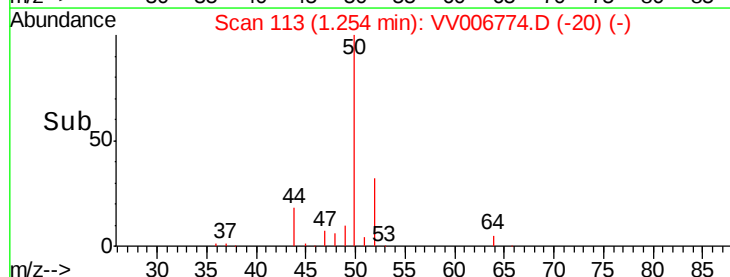
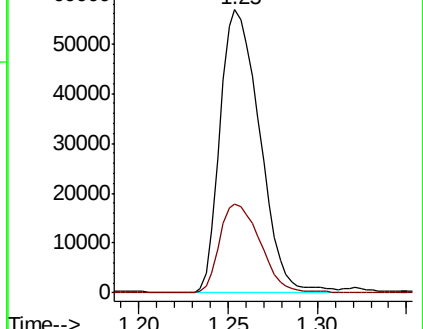
50 100

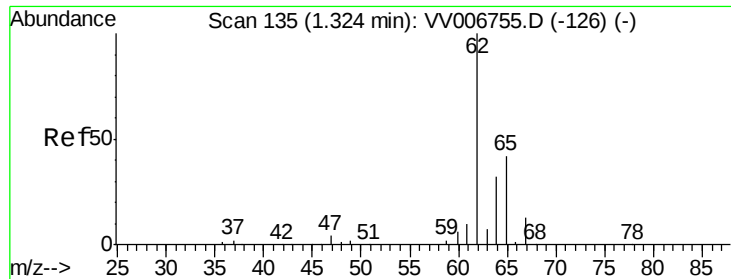
52 31.6 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV006774.D (-20) (-)

Ion 52.05 (51.75 to 52.75): VV006774.D (-20) (-)

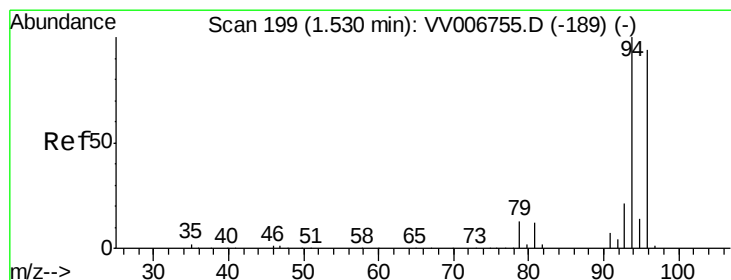
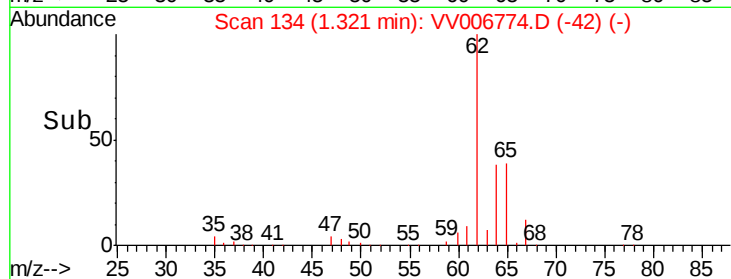
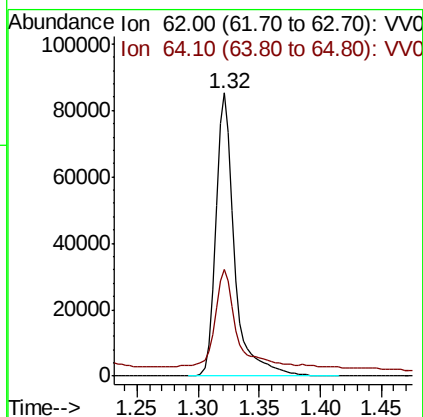
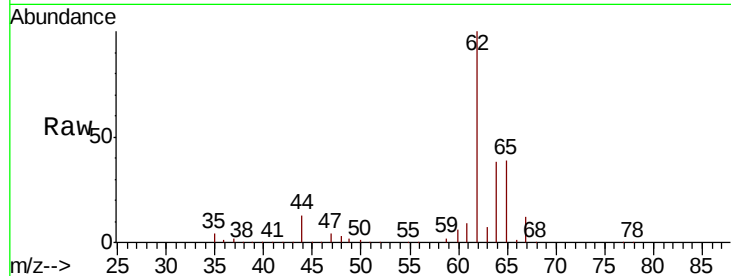




#5
 Vinyl chloride
 Concen: 4.908 ug/L
 RT: 1.32 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

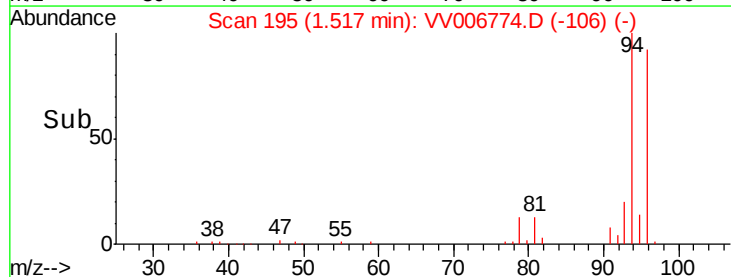
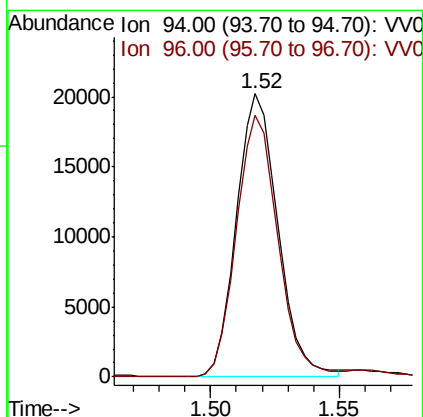
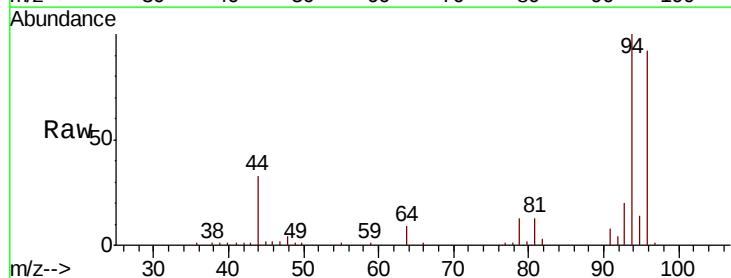
Instrument :
 MSVOA_V
 ClientSampled :

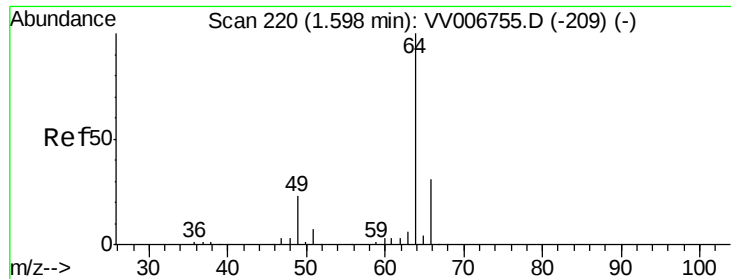
Tot Ion: 62 Resp: 92294
 Ion Ratio Lower Upper
 62 100
 64 37.6 26.5 49.3



#6
 Bromomethane
 Concen: 4.916 ug/L
 RT: 1.52 min Scan# 195
 Delta R.T. -0.01 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Tgt Ion: 94 Resp: 22623
 Ion Ratio Lower Upper
 94 100
 96 92.4 66.4 123.4

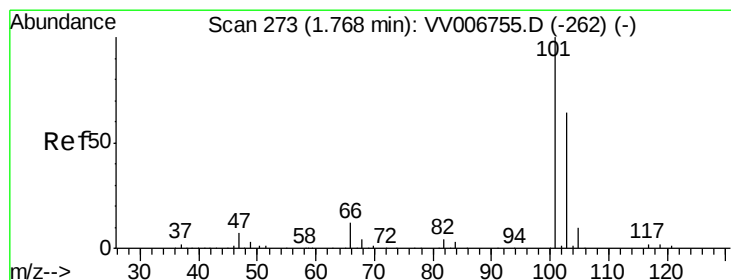
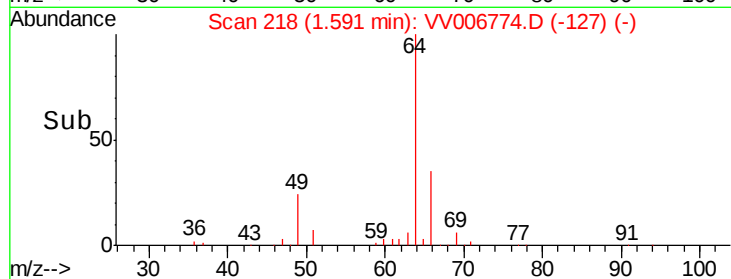
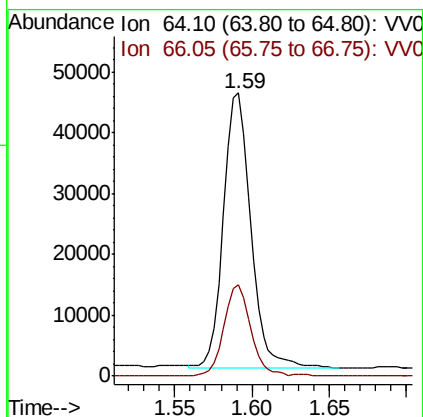
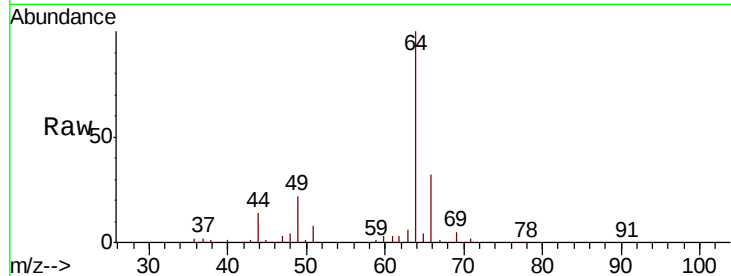




#8
Chloroethane
Concen: 5.395 ug/L
RT: 1.59 min Scan# 218
Delta R.T. -0.01 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

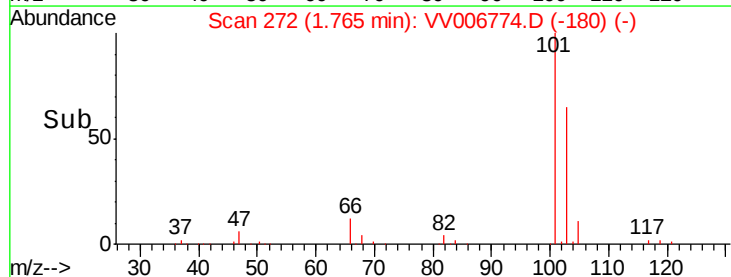
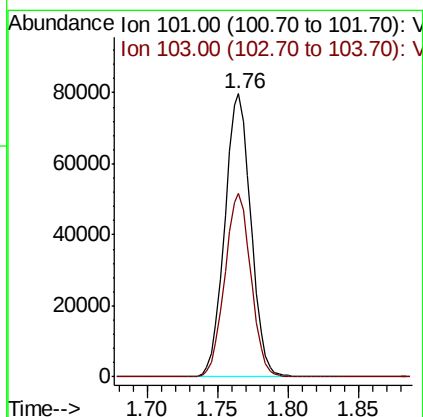
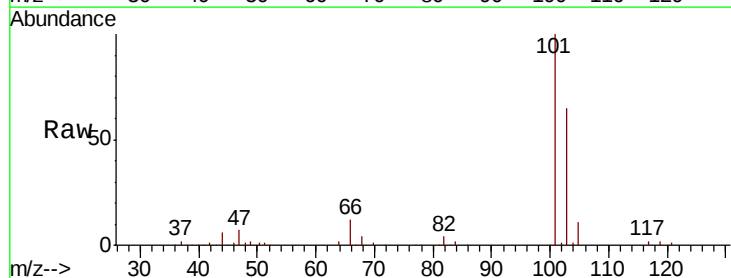
Instrument :
MSVOA_V
ClientSampleId :

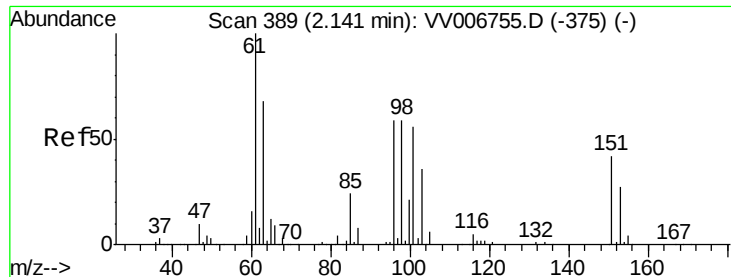
Tot Ion: 64 Resp: 55518
Ion Ratio Lower Upper
64 100
66 32.4 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.791 ug/L
RT: 1.76 min Scan# 272
Delta R.T. -0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

Tgt Ion:101 Resp: 103333
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.6





#10

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

Concen: 4.564 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

Instrument :

MSVOA_V

ClientSampleId :

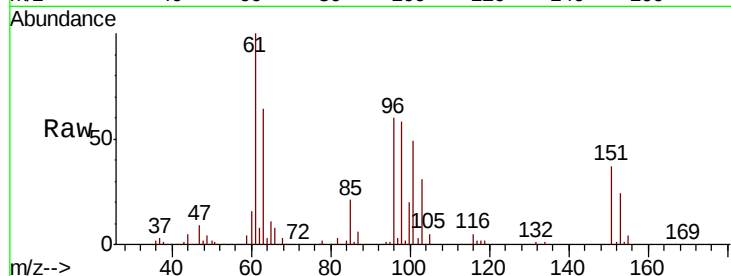
Tot Ion:101 Resp: 59987

Ion Ratio Lower Upper

101 100

85 43.1 33.1 49.7

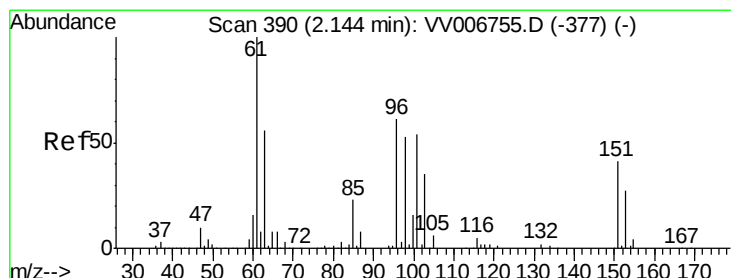
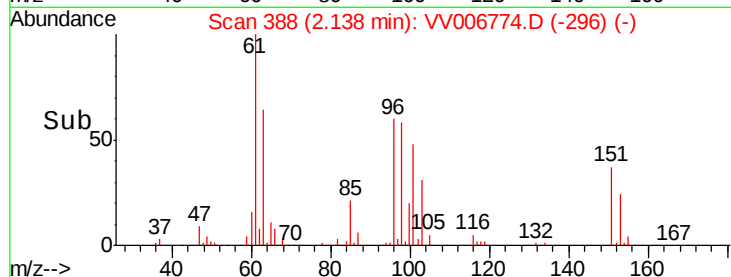
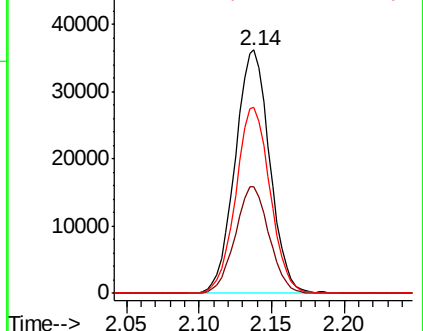
151 75.8 59.7 89.5



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: 4.922 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.01 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

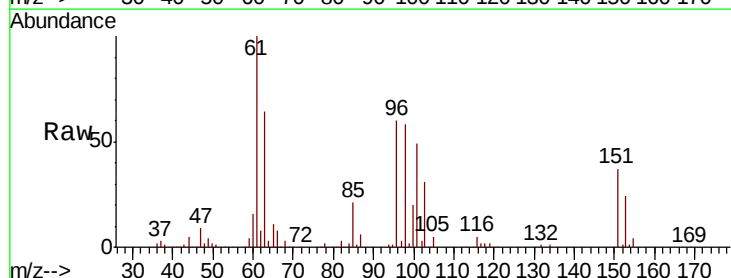
Tgt Ion: 96 Resp: 63354

Ion Ratio Lower Upper

96 100

61 166.0 113.5 210.9

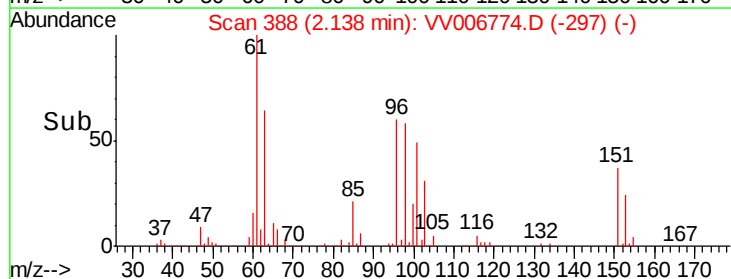
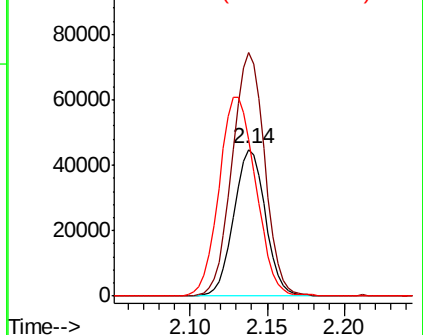
63 107.0 69.5 129.1

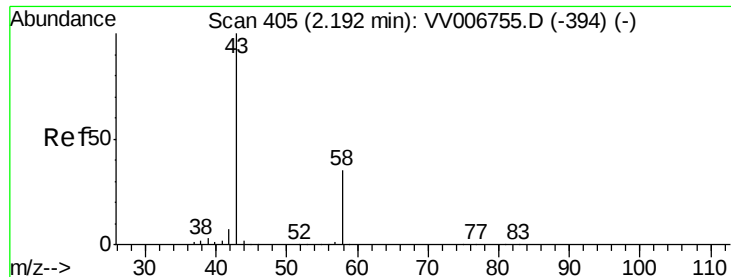


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 57.432 ug/L

RT: 2.19 min Scan# 404

Delta R.T. -0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

Instrument :

MSVOA_V

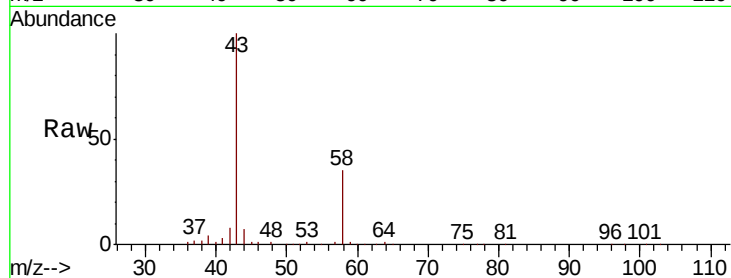
ClientSampleId :

Tot Ion: 43 Resp: 116758

Ion Ratio Lower Upper

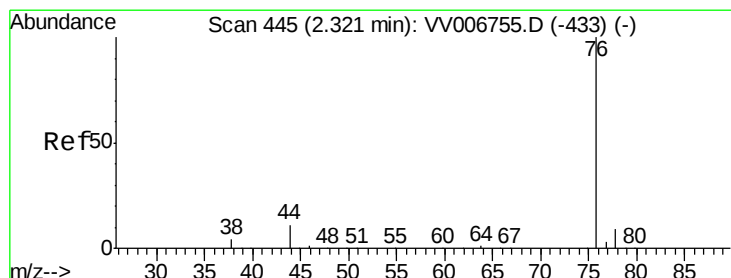
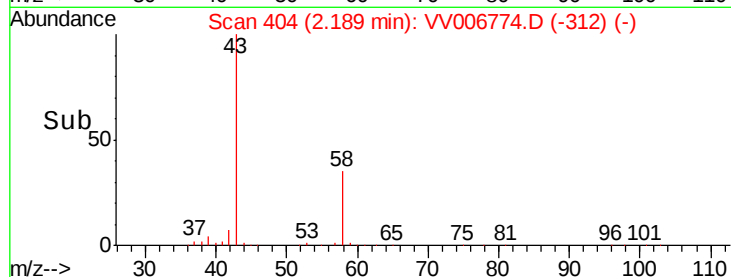
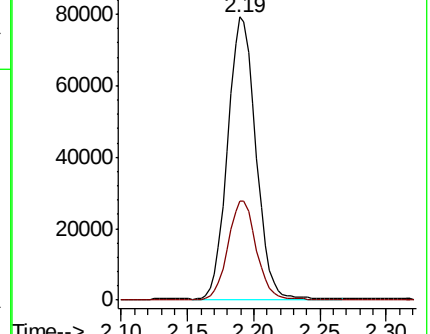
43 100

58 35.7 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006774.D (-312) (-)

Ion 58.05 (57.75 to 58.75): VV006774.D (-312) (-)



#14

Carbon disulfide

Concen: 4.498 ug/L

RT: 2.31 min Scan# 443

Delta R.T. -0.01 min

Lab File: VV006774.D

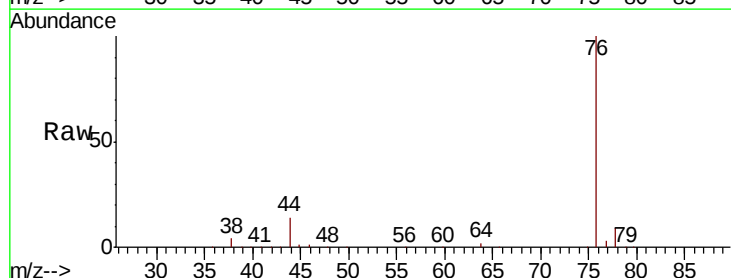
Acq: 30 Jul 2018 20:30

Tgt Ion: 76 Resp: 194716

Ion Ratio Lower Upper

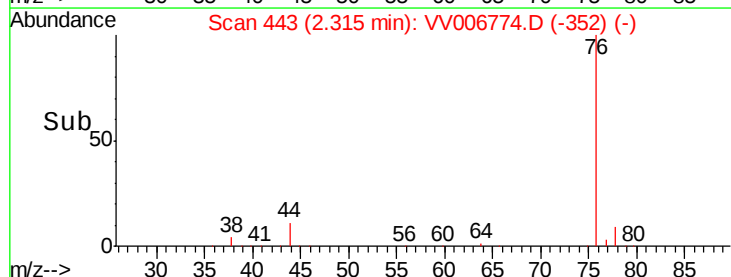
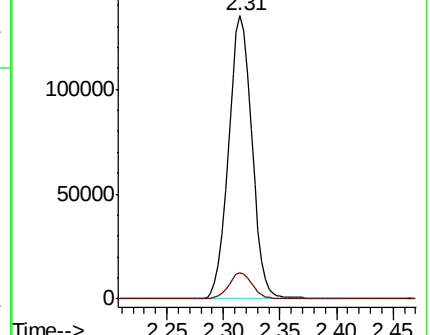
76 100

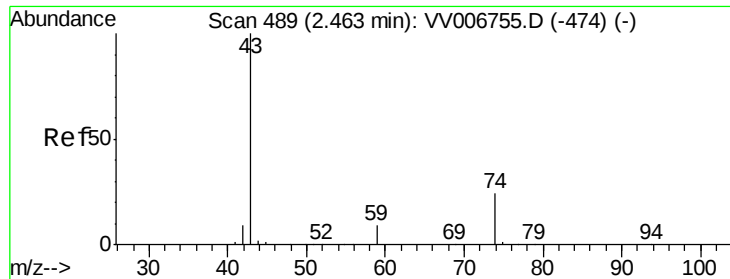
78 9.4 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV006774.D (-352) (-)

Ion 78.00 (77.70 to 78.70): VV006774.D (-352) (-)

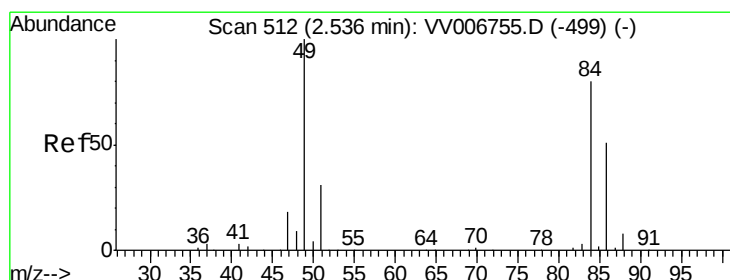
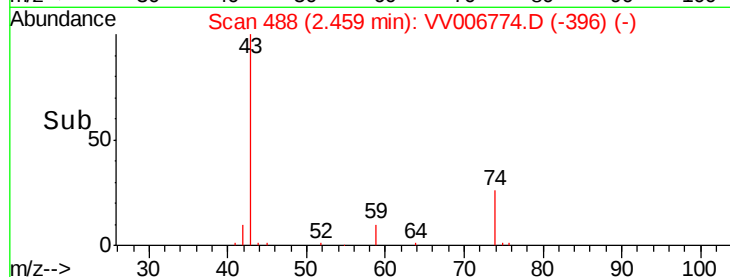
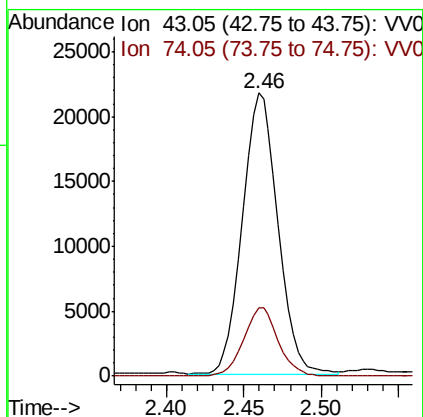
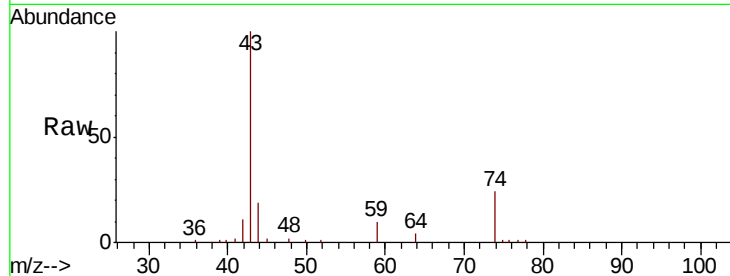




#15
Methyl Acetate
Concen: 5.730 ug/L
RT: 2.46 min Scan# 488
Delta R.T. -0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

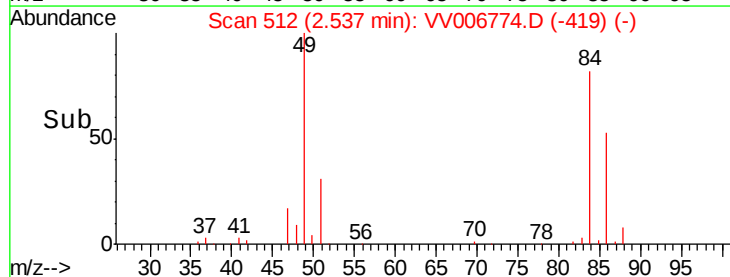
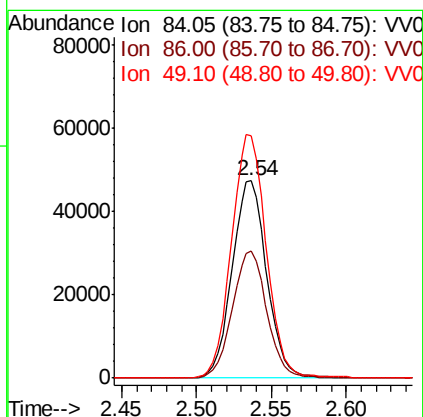
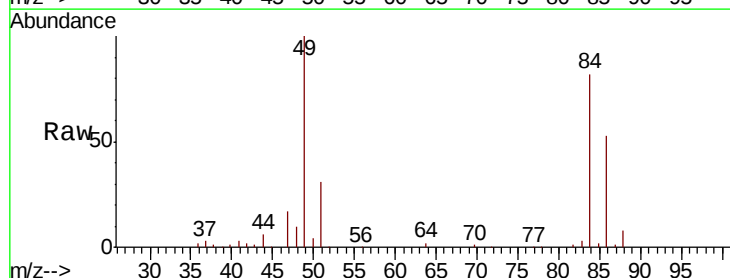
Instrument :
MSVOA_V
ClientSampled :

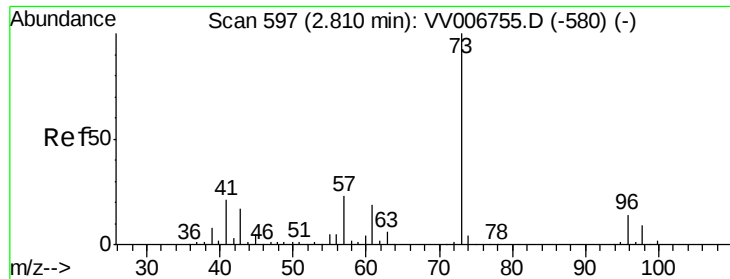
Tot Ion: 43 Resp: 34533
Ion Ratio Lower Upper
43 100
74 23.7 20.6 31.0



#16
Methylene chloride
Concen: 5.150 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

Tgt Ion: 84 Resp: 75994
Ion Ratio Lower Upper
84 100
86 64.4 44.7 83.1
49 122.5 86.7 160.9

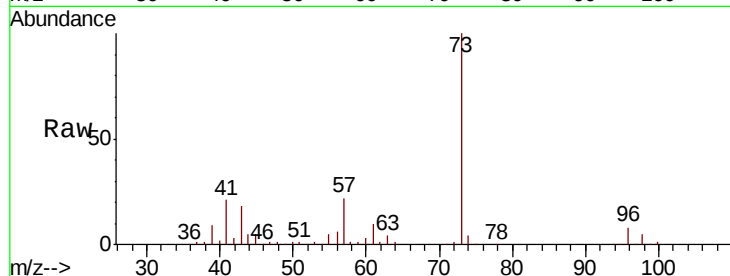




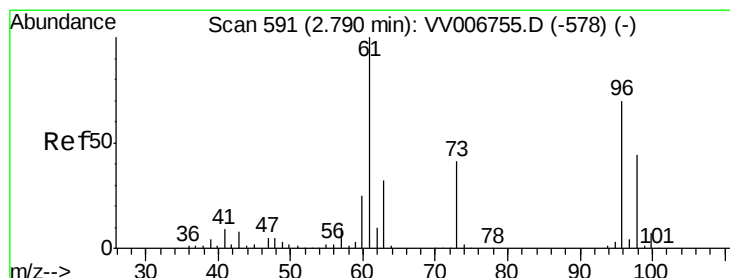
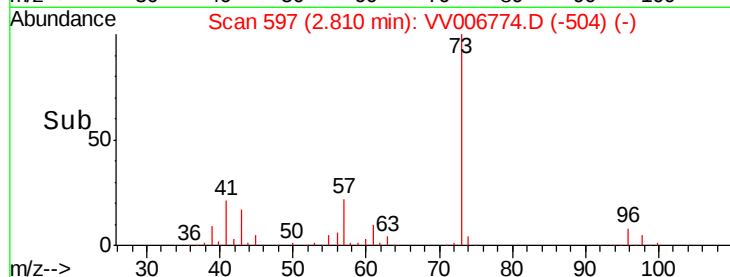
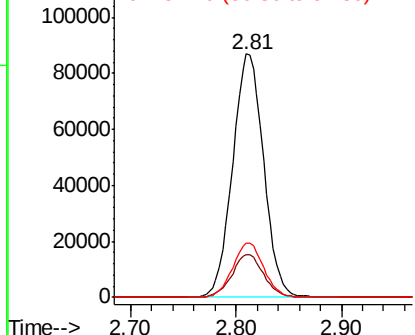
#17
Methvl tert-butvl Ether
Concen: 5.612 ug/L
RT: 2.81 min Scan# 597
Delta R.T. 0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 177221
Ion Ratio Lower Upper
73 100
43 17.5 14.2 21.4
57 22.4 18.2 27.2

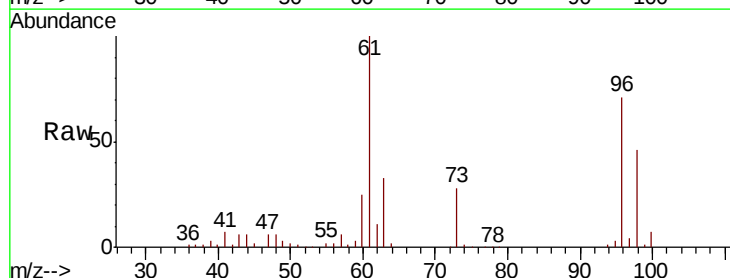


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

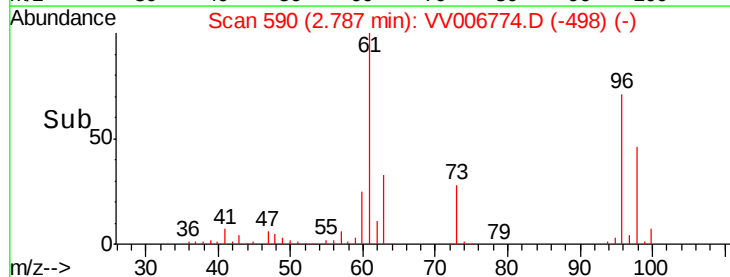
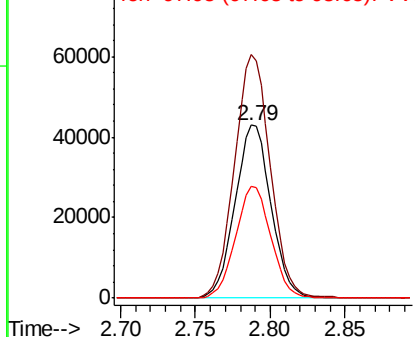


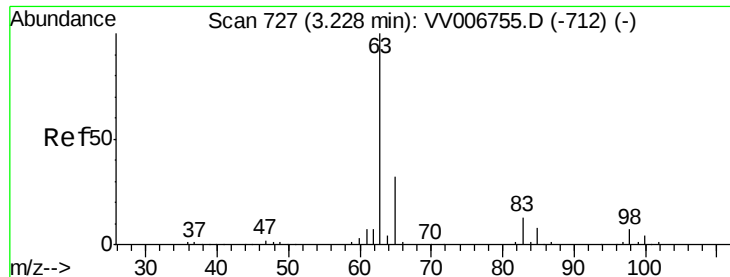
#18
trans-1,2-Dichloroethene
Concen: 5.144 ug/L
RT: 2.79 min Scan# 590
Delta R.T. -0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

Tgt Ion: 96 Resp: 71925
Ion Ratio Lower Upper
96 100
61 140.7 98.5 182.9
98 64.6 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

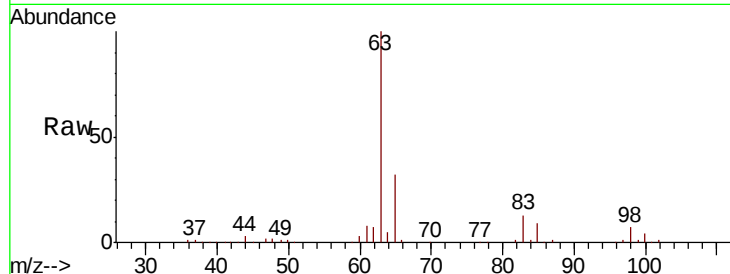




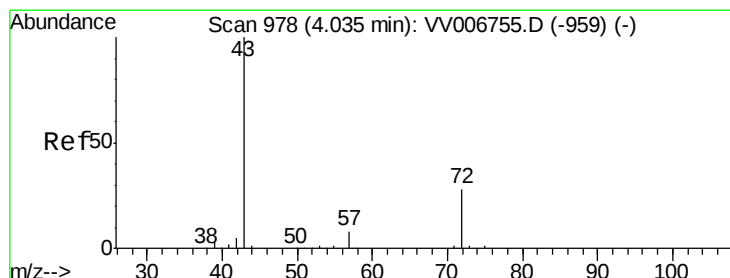
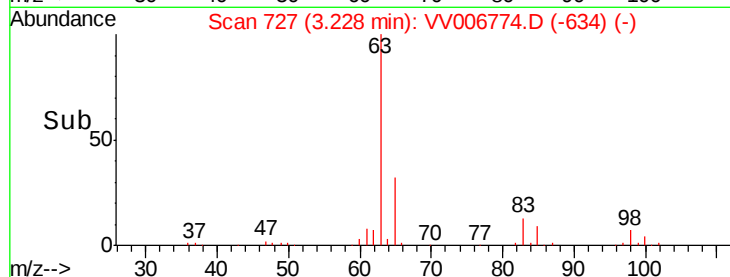
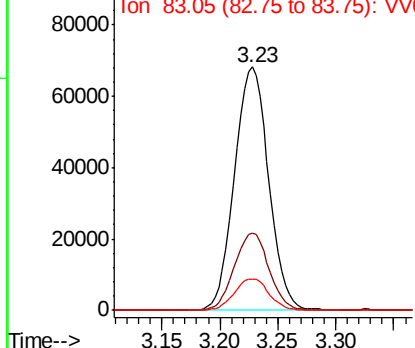
#19
 1,1-Dichloroethane
 Concen: 5.423 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 63 Resp: 139467
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.4 41.6
 83 13.0 9.0 16.8

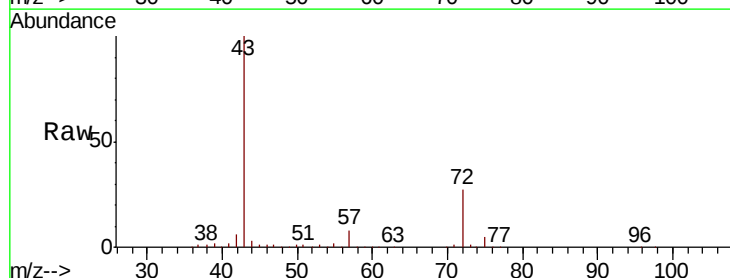


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

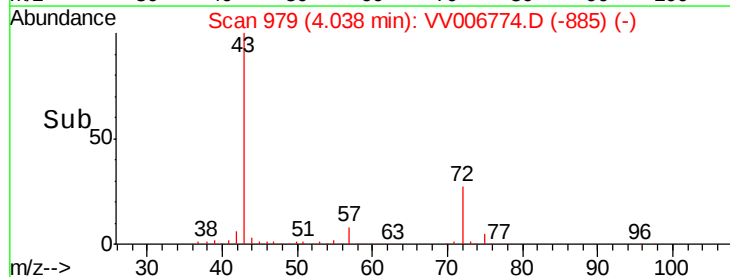
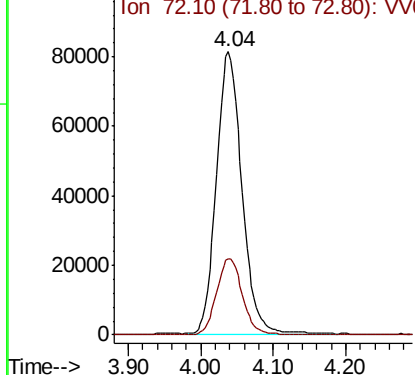


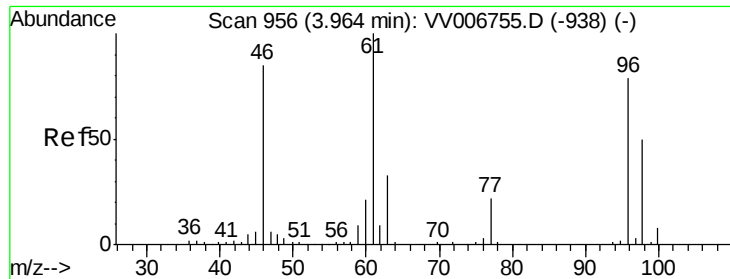
#21
 2-Butanone
 Concen: 57.941 ug/L
 RT: 4.04 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Tgt Ion: 43 Resp: 197299
 Ion Ratio Lower Upper
 43 100
 72 26.9 13.8 41.4



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



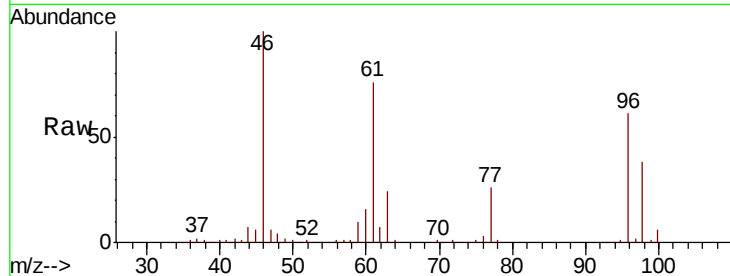


#22

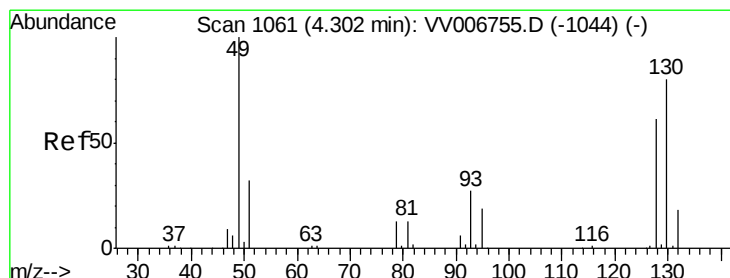
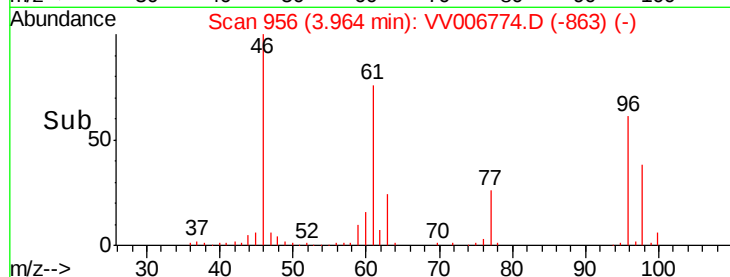
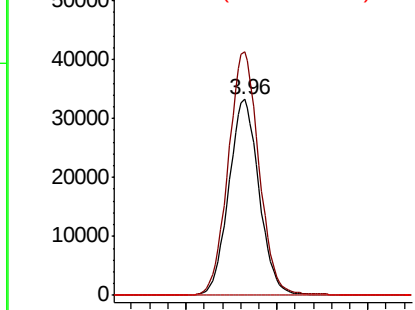
cis-1,2-Dichloroethene
Concen: 5.280 ug/L
RT: 3.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 76981
Ion Ratio Lower Upper
96 100
61 124.4 85.5 158.9
68 0.0 0.0 0.0



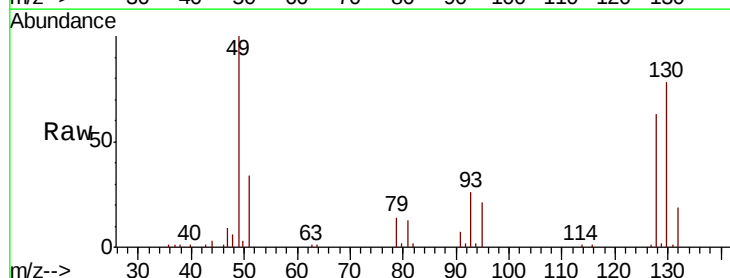
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



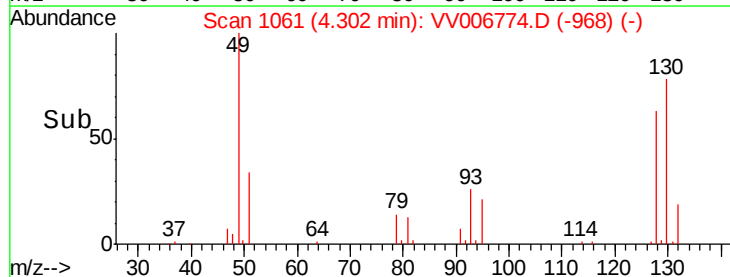
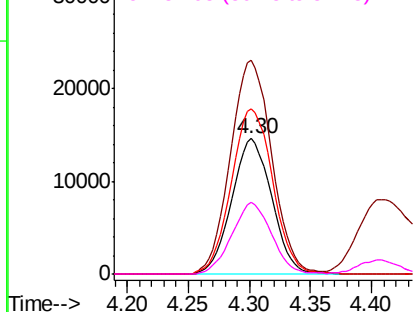
#23

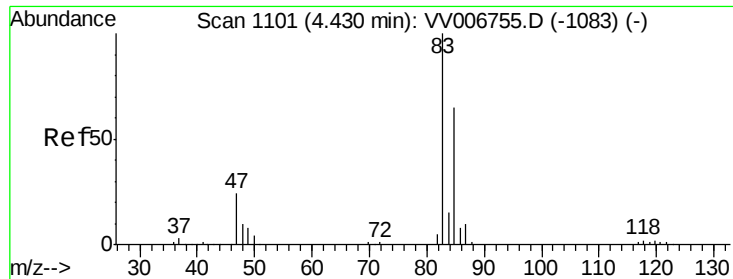
Bromochloromethane
Concen: 5.535 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

Tgt Ion: 128 Resp: 33208
Ion Ratio Lower Upper
128 100
49 162.6 112.6 209.0
130 122.6 87.1 161.7
51 52.9 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

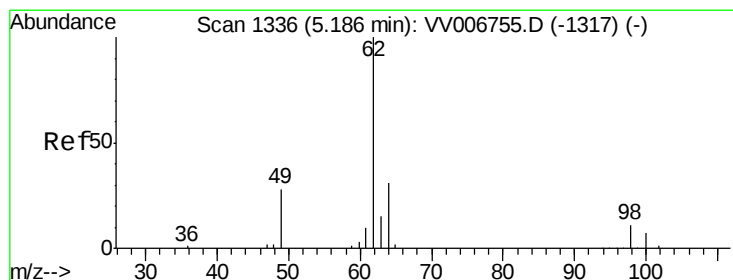
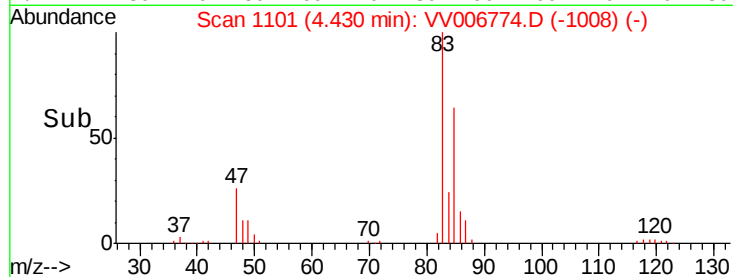
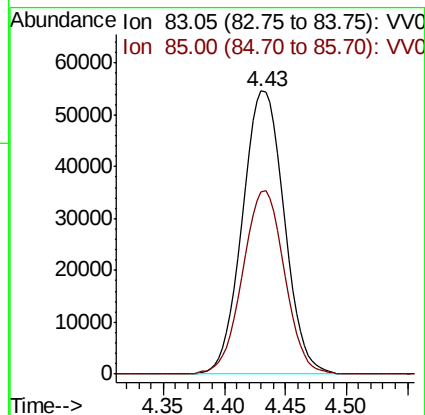
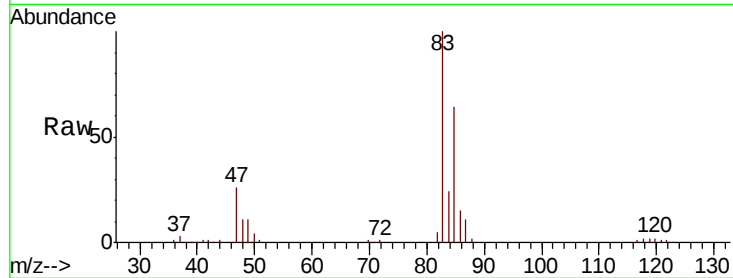




#25
Chloroform
Concen: 5.369 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

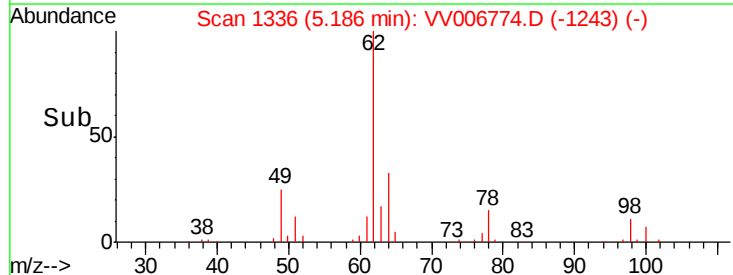
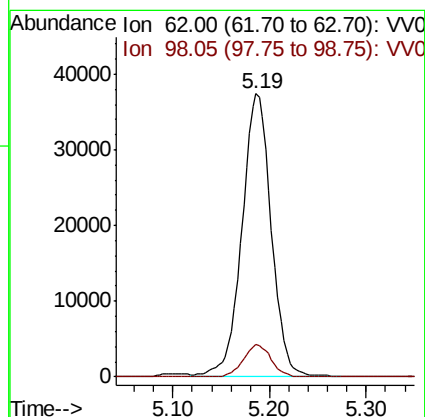
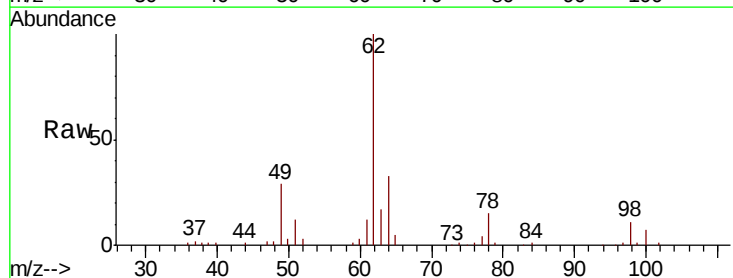
Instrument :
MSVOA_V
ClientSampleId :

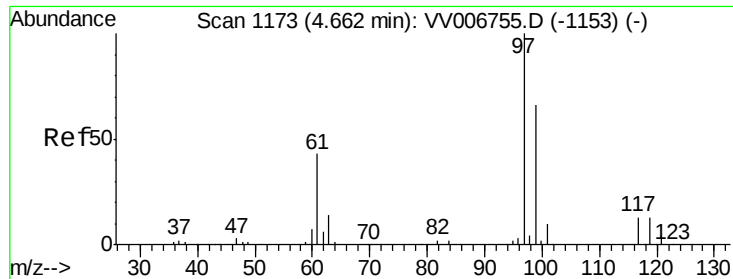
Tot Ion: 83 Resp: 129568
Ion Ratio Lower Upper
83 100
85 64.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.578 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

Tgt Ion: 62 Resp: 78975
Ion Ratio Lower Upper
62 100
98 11.4 8.4 12.6

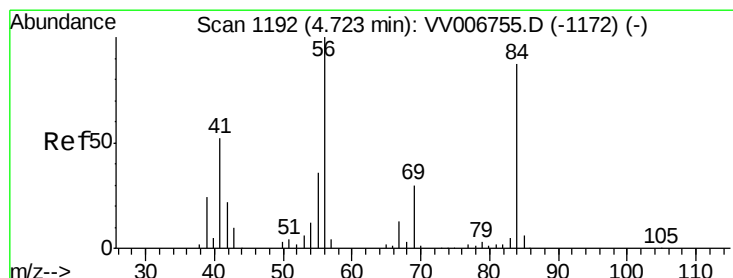
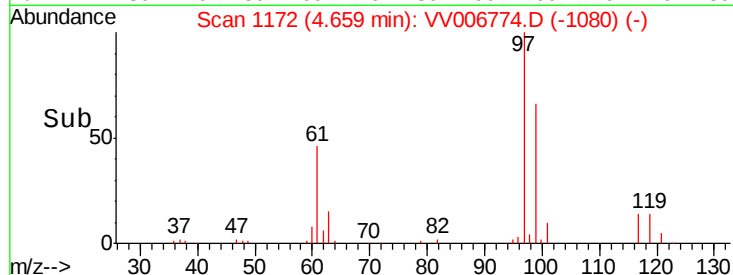
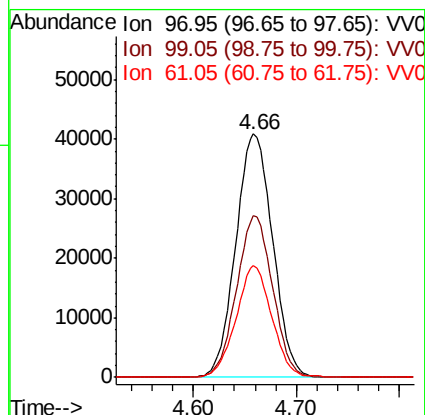
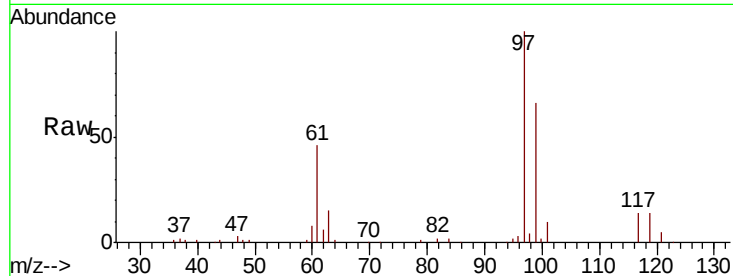




#29
 1,1,1-Trichloroethane
 Concen: 5.085 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

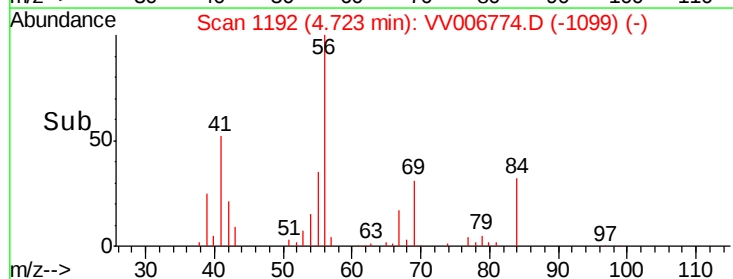
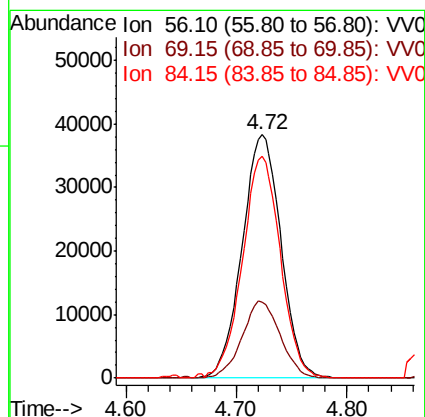
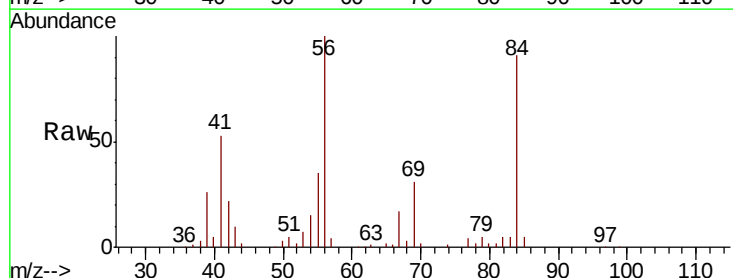
Instrument :
 MSVOA_V
 ClientSampleId :

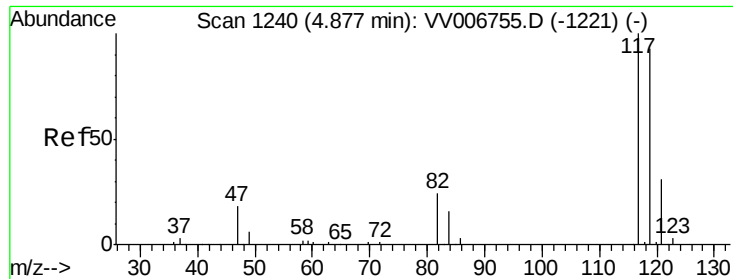
Tot Ion: 97 Resp: 101881
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 44.2 34.9 52.3



#30
 Cyclohexane
 Concen: 4.168 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Tgt Ion: 56 Resp: 93487
 Ion Ratio Lower Upper
 56 100
 69 31.0 24.6 36.8
 84 89.0 71.4 107.2





#31

Carbon tetrachloride

Concen: 4.888 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

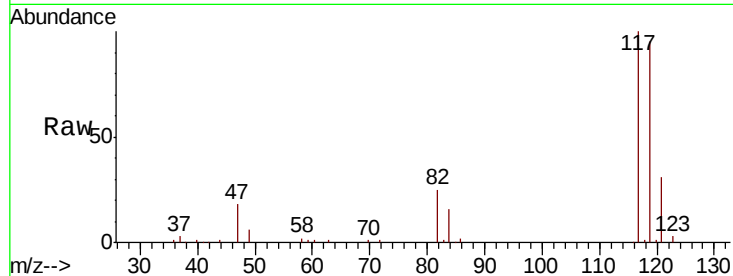
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 83714

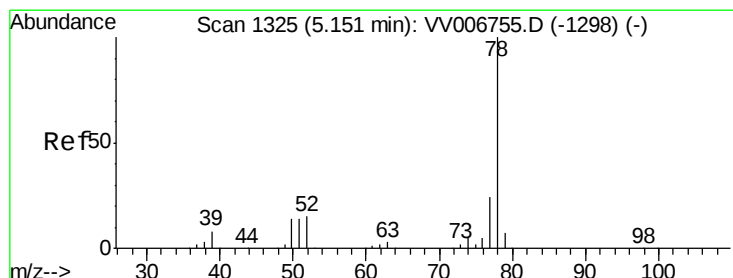
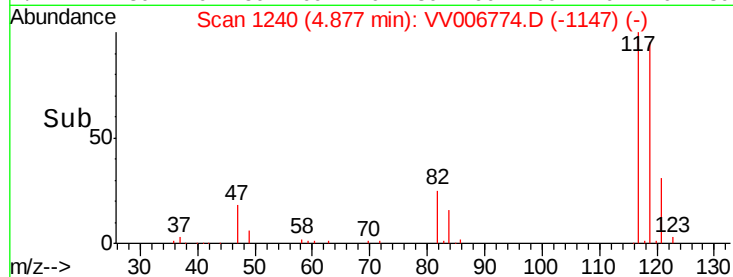
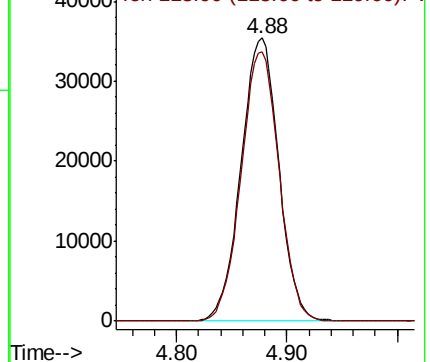
Ion Ratio Lower Upper

117 100

119 95.8 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: 5.215 ug/L

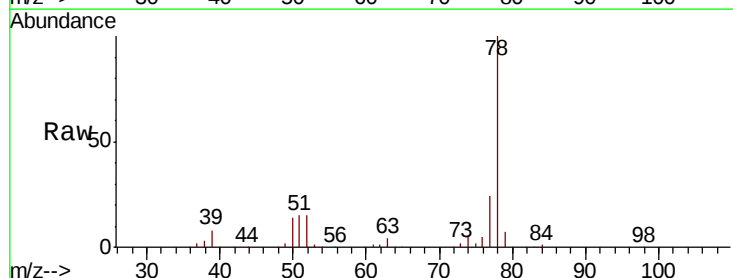
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

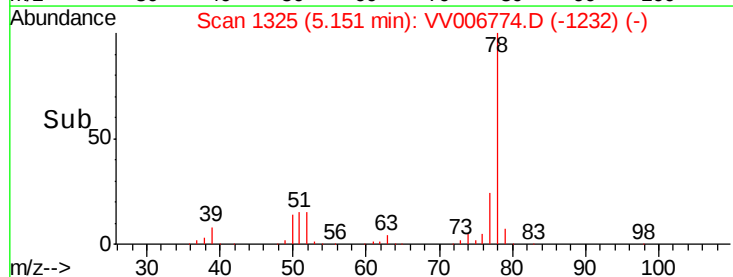
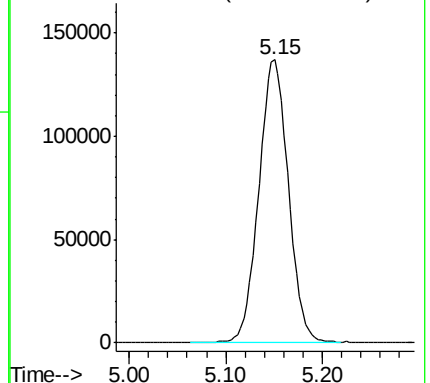
Lab File: VV006774.D

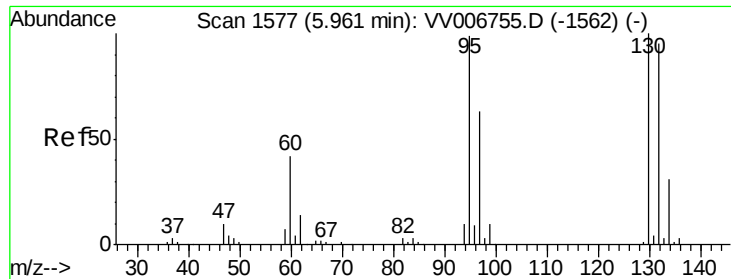
Acq: 30 Jul 2018 20:30

Tgt Ion: 78 Resp: 291951



Abundance Ion 78.10 (77.80 to 78.80): VV0

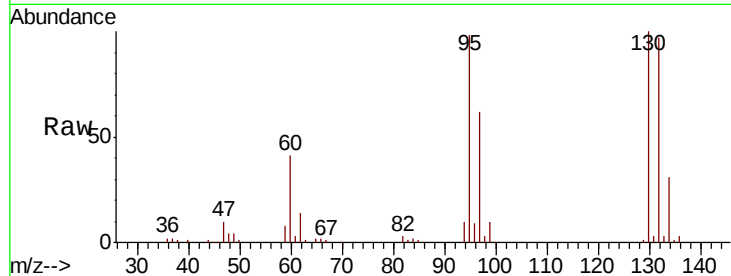




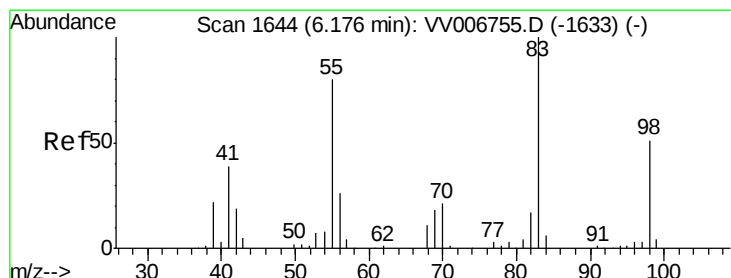
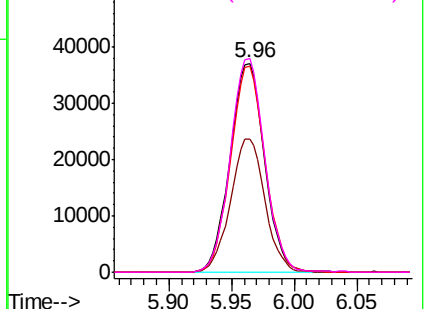
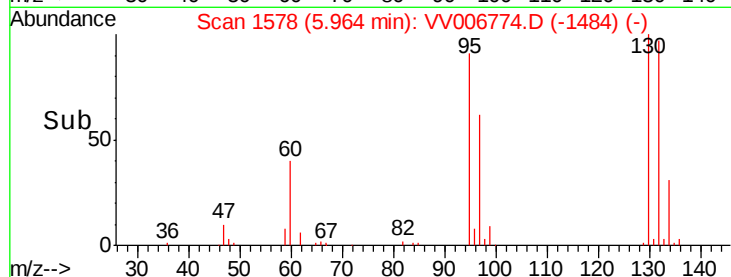
#34
 Trichloroethene
 Concen: 5.016 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 70893
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.9 83.3
 132 98.9 68.9 127.9
 130 102.4 73.4 136.4

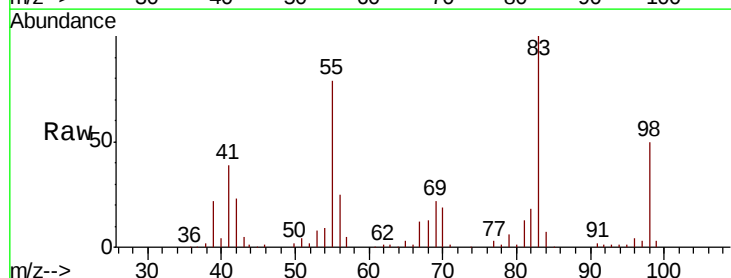


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

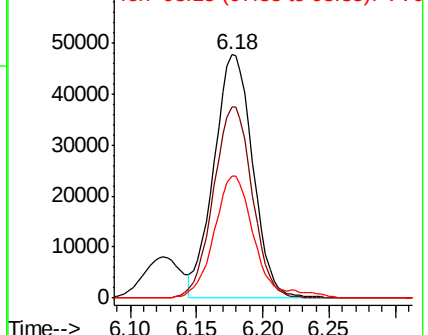
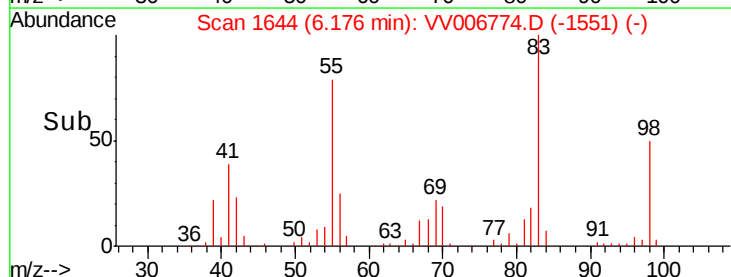


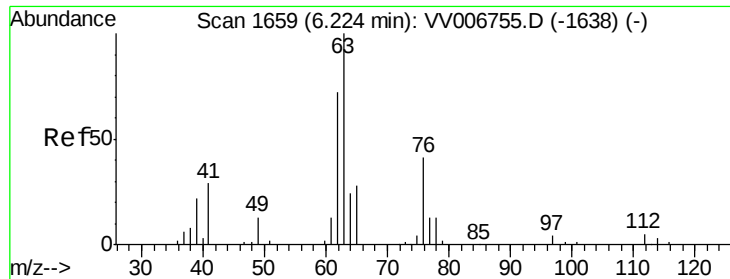
#35
 Methylcyclohexane
 Concen: 4.106 ug/L
 RT: 6.18 min Scan# 1644
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Tgt Ion: 83 Resp: 96940
 Ion Ratio Lower Upper
 83 100
 55 78.8 61.9 92.9
 98 52.0 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

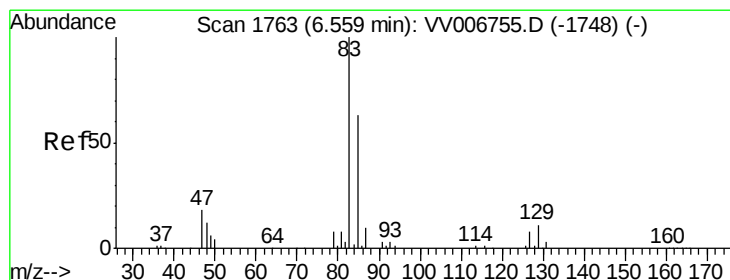
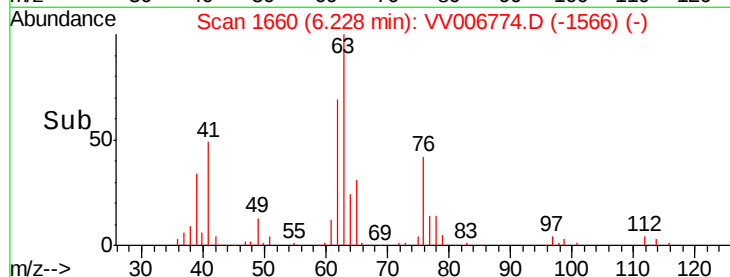
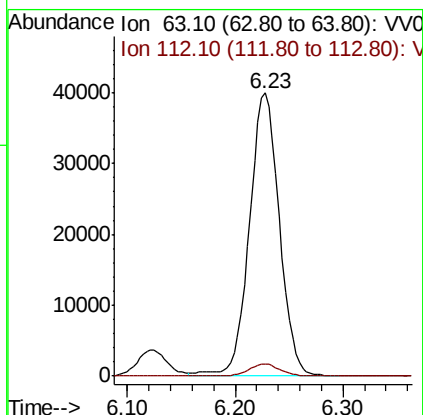
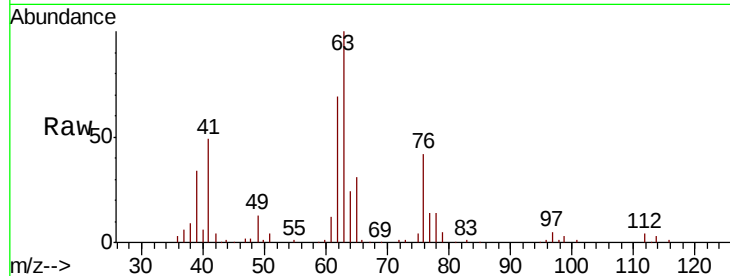




#37
 1,2-Dichloropropane
 Concen: 5.374 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

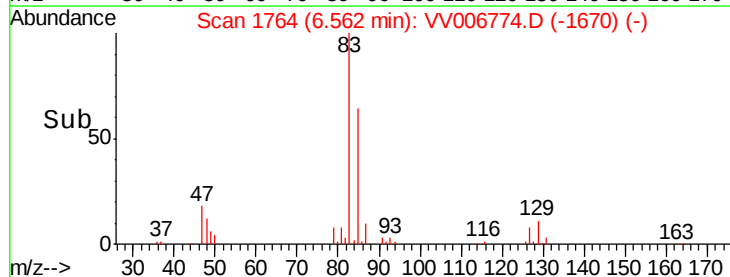
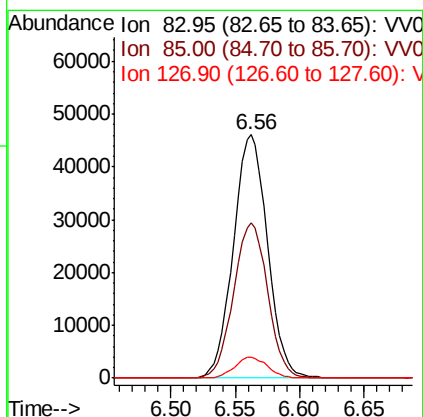
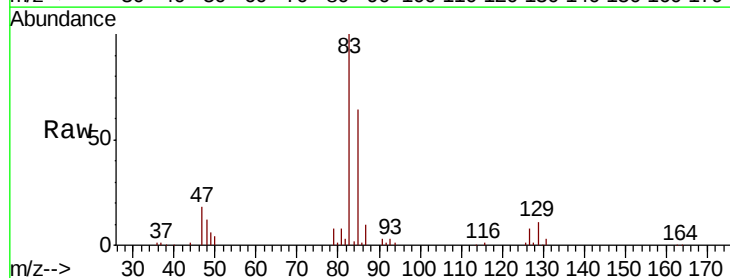
Instrument :
 MSVOA_V
 ClientSampled :

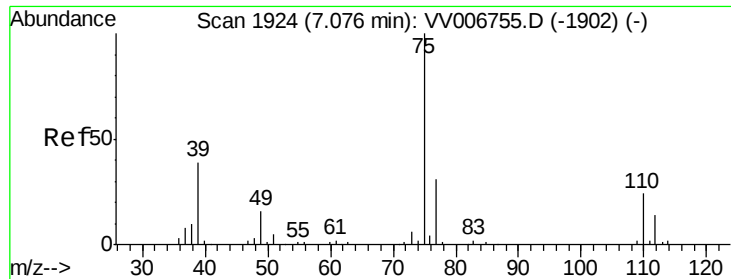
Tot Ion: 63 Resp: 77228
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.278 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Tgt Ion: 83 Resp: 84726
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.4 82.4
 127 8.4 6.6 9.8

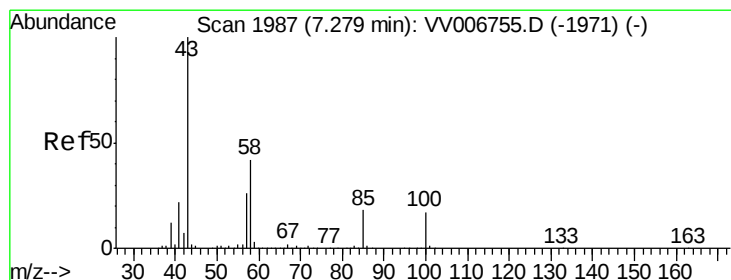
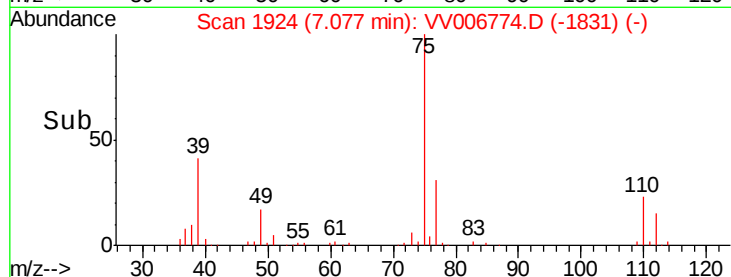
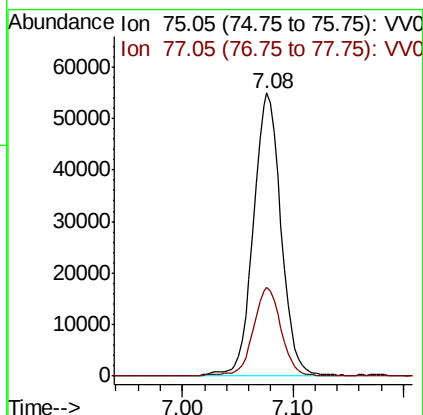
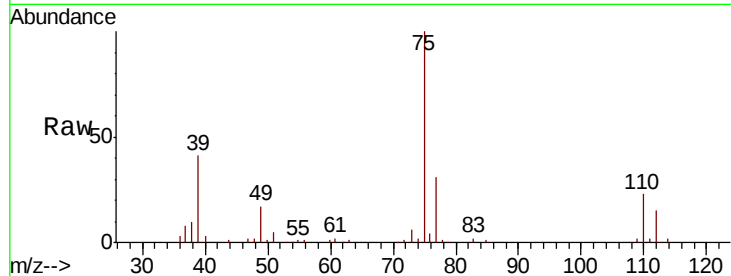




#39
 cis-1,3-Dichloropropene
 Concen: 5.108 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

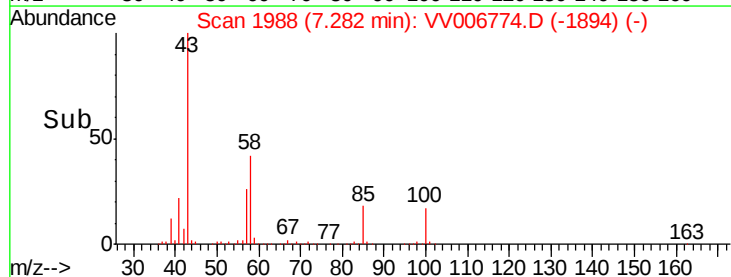
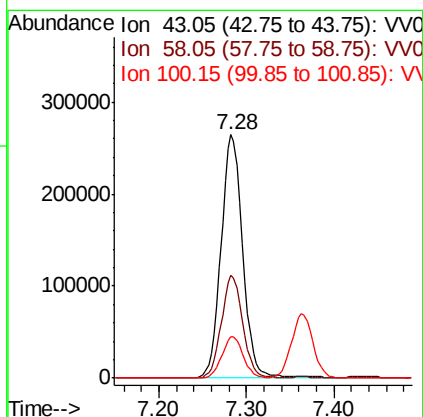
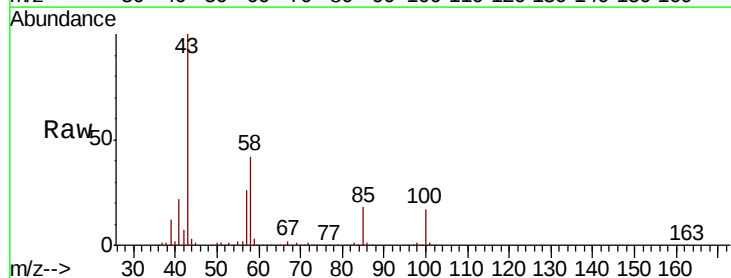
Instrument :
 MSVOA_V
 ClientSampleId :

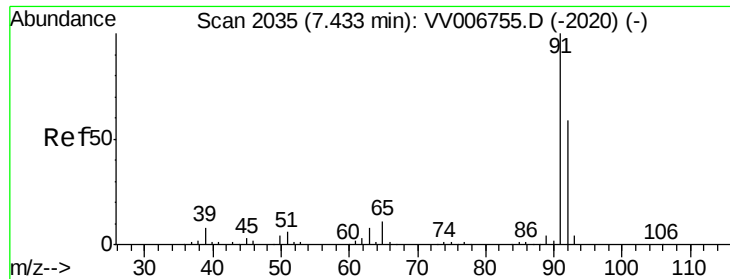
Tot Ion: 75 Resp: 95628
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 57.646 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Tgt Ion: 43 Resp: 455404
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.4 50.0
 100 16.7 13.6 20.4





#42

Toluene

Concen: 5.244 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

Instrument :

MSVOA_V

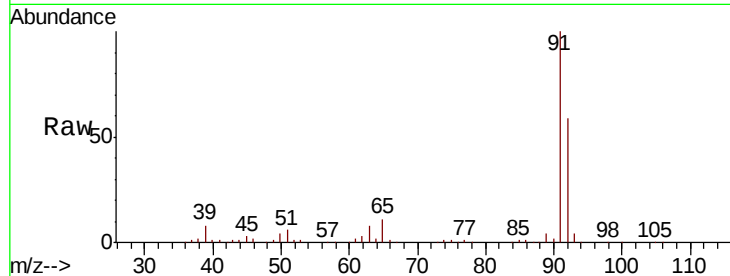
ClientSampleId :

Tot Ion: 91 Resp: 302303

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.7



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

Ion 92.15 (91.85 to 92.85): VV006774.D (-1942) (-)

7.44

200000

150000

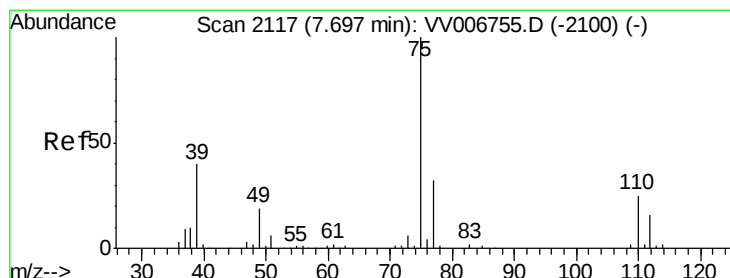
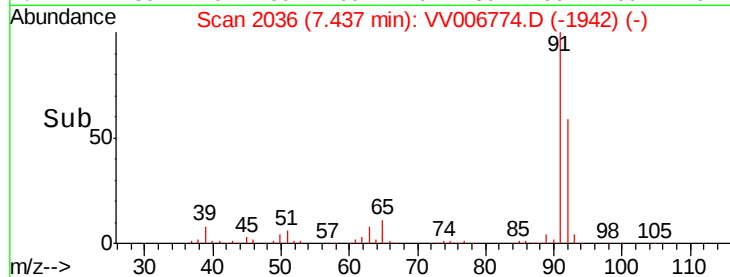
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.249 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006774.D

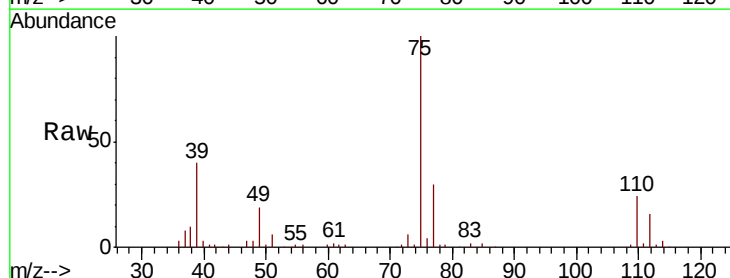
Acq: 30 Jul 2018 20:30

Tgt Ion: 75 Resp: 77268

Ion Ratio Lower Upper

75 100

77 30.4 22.8 42.4



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

Ion 77.05 (76.75 to 77.75): VV006774.D (-1942) (-)

7.70

50000

40000

30000

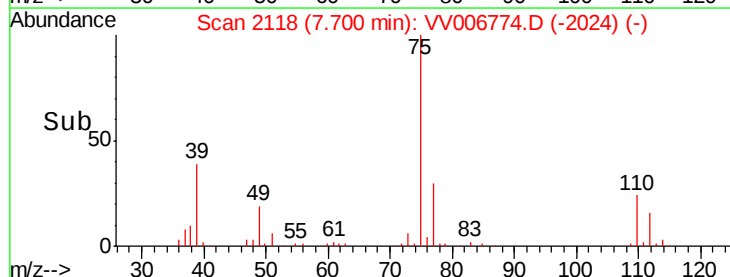
20000

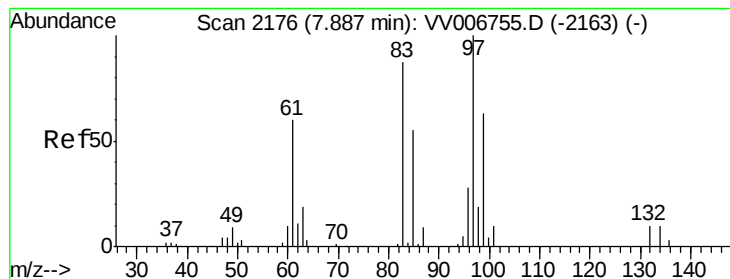
10000

0

7.60 7.70 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.567 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 53885

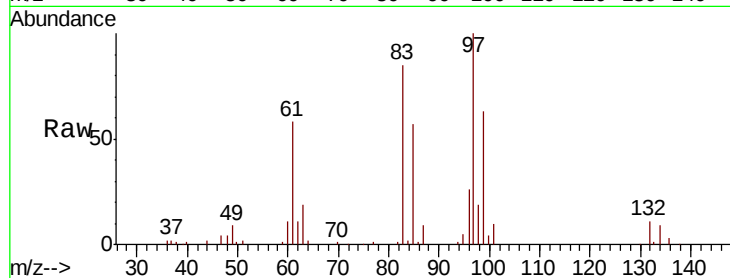
Ion Ratio Lower Upper

97 100

99 62.7 43.0 79.8

83 84.7 59.4 110.4

85 56.9 37.5 69.7

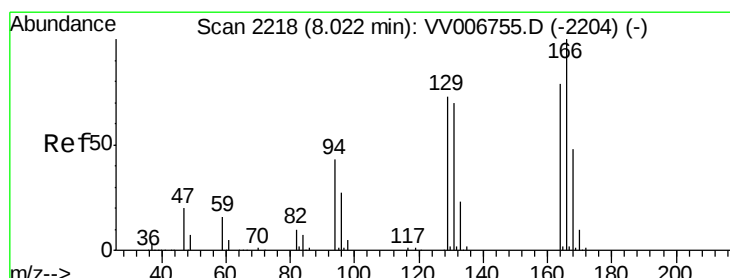
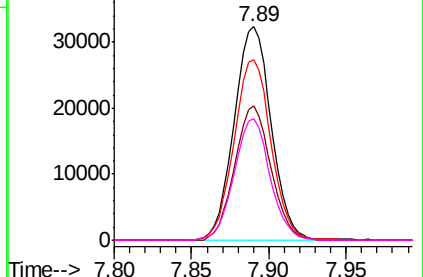
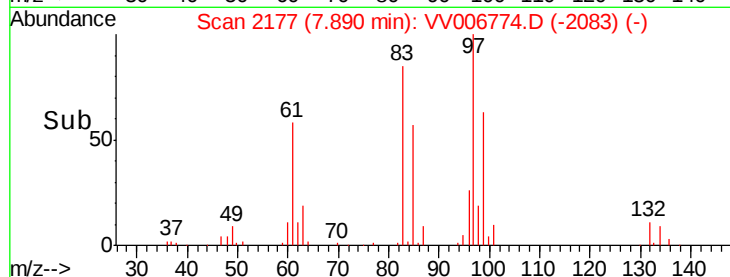


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.799 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

Tgt Ion:164 Resp: 53868

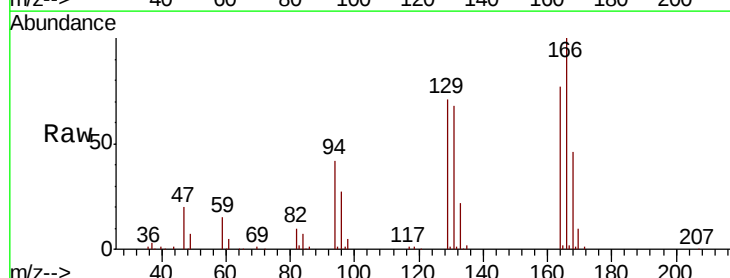
Ion Ratio Lower Upper

164 100

129 91.9 65.0 120.8

131 87.7 61.9 115.1

166 129.5 89.3 165.9

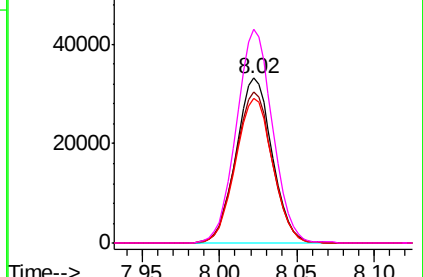
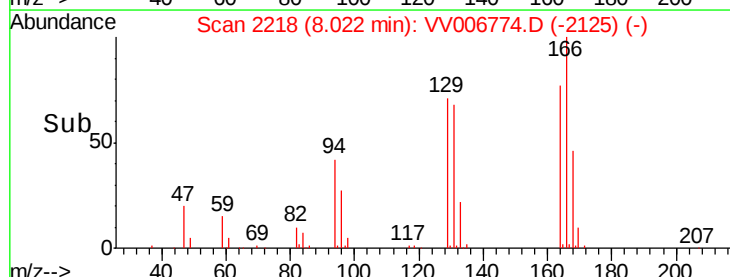


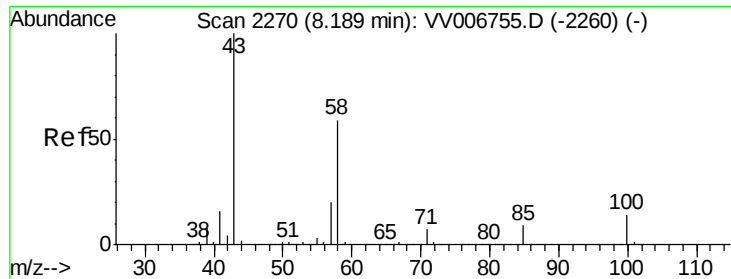
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

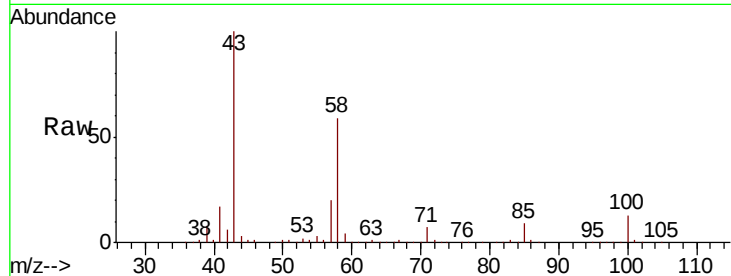




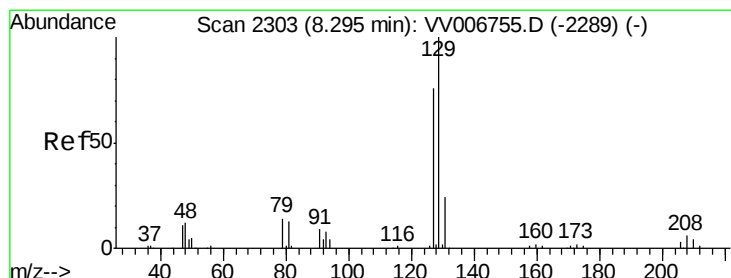
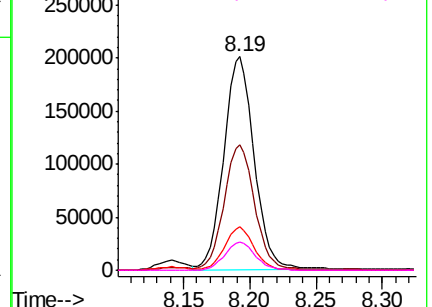
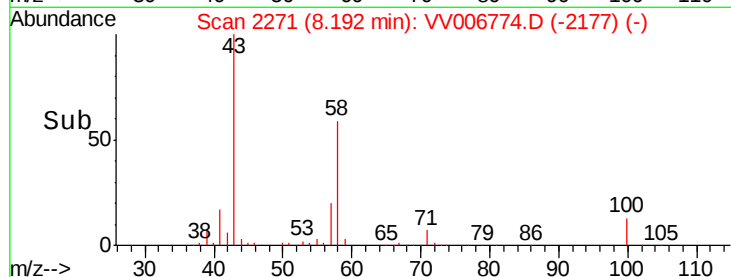
#48
2-Hexanone
Concen: 57.813 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 318687
Ion Ratio Lower Upper
43 100
58 59.5 47.2 70.8
57 19.5 16.1 24.1
100 13.1 11.1 16.7

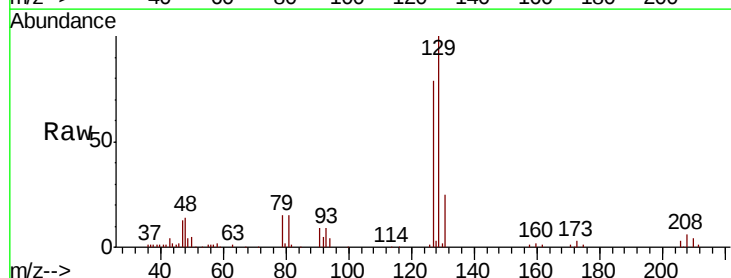


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

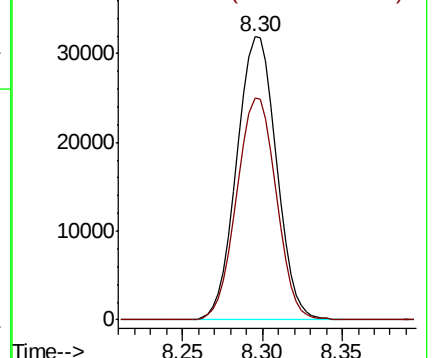
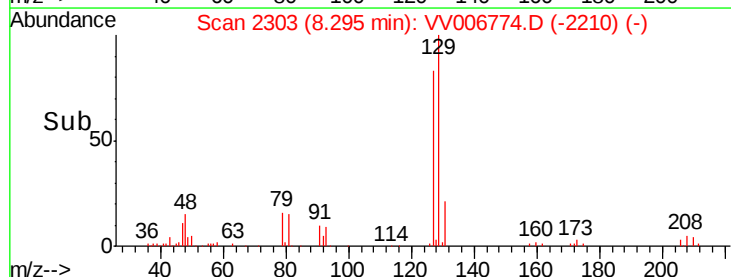


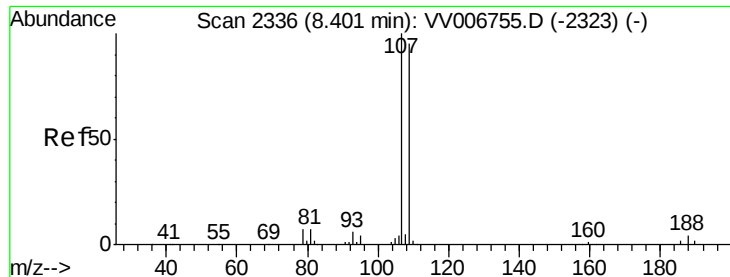
#49
Dibromochloromethane
Concen: 5.266 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

Tgt Ion: 129 Resp: 53937
Ion Ratio Lower Upper
129 100
127 78.6 53.5 99.5



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

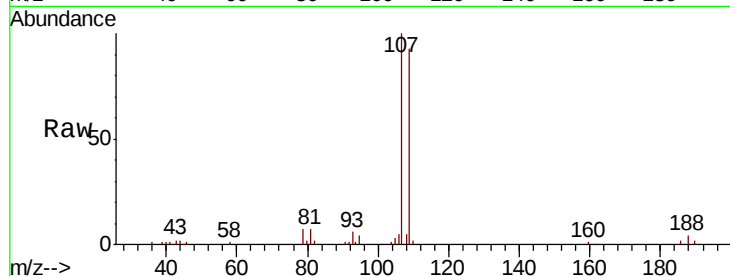




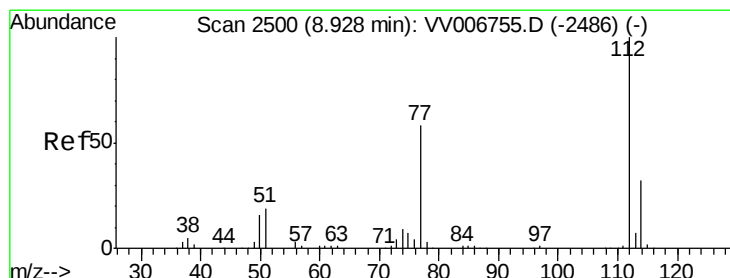
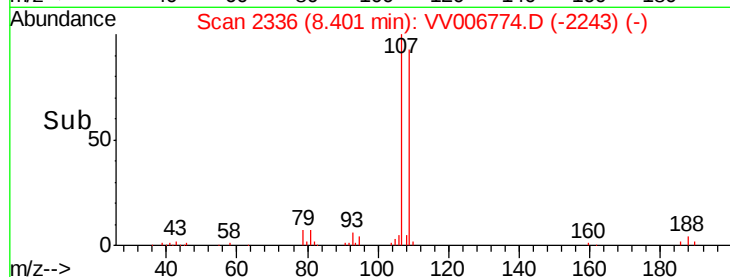
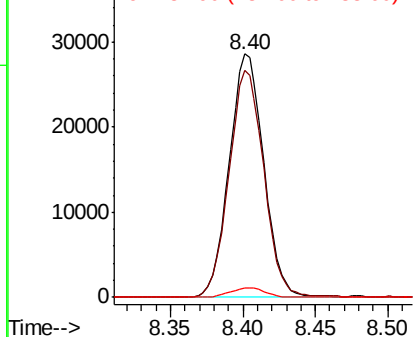
#50
1,2-Dibromoethane
Concen: 5.470 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 47319
Ion Ratio Lower Upper
107 100
109 93.1 66.8 124.0
188 3.8 3.1 4.7

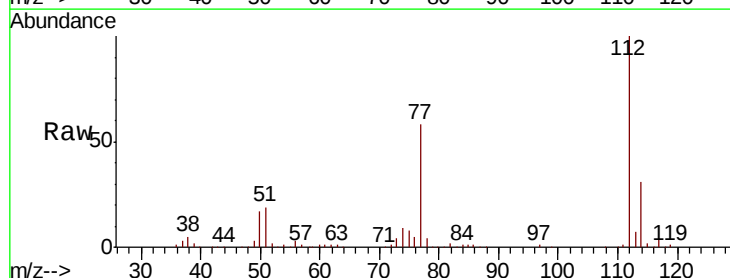


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

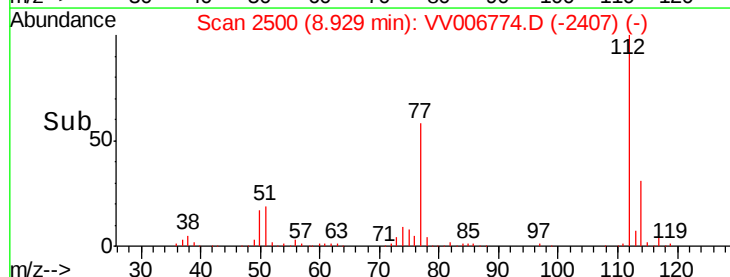
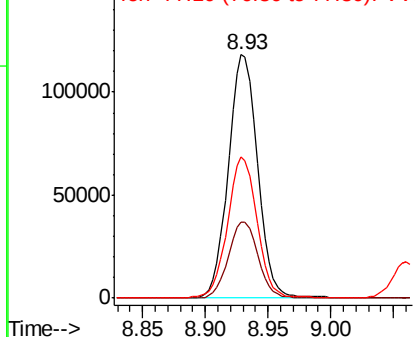


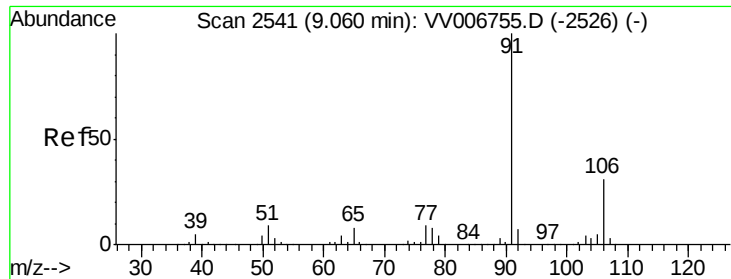
#51
Chlorobenzene
Concen: 5.119 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006774.D
Acq: 30 Jul 2018 20:30

Tgt Ion:112 Resp: 191949
Ion Ratio Lower Upper
112 100
114 31.4 22.5 41.9
77 58.1 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: 4.952 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

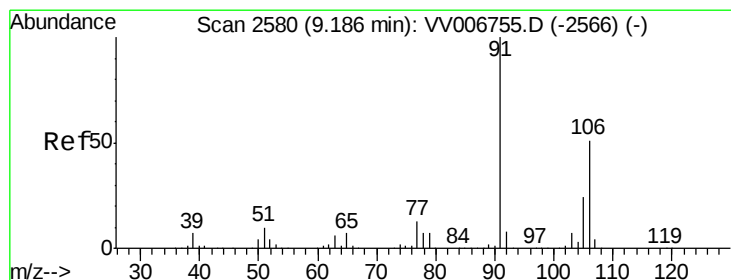
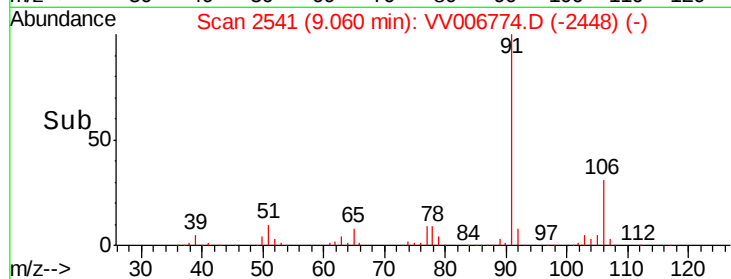
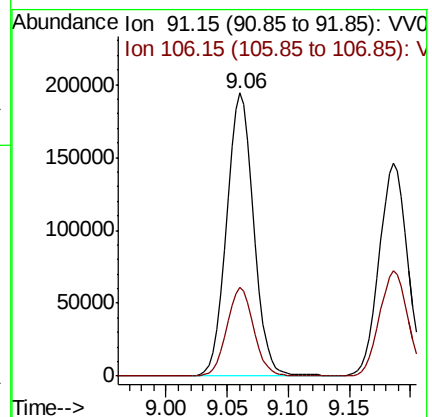
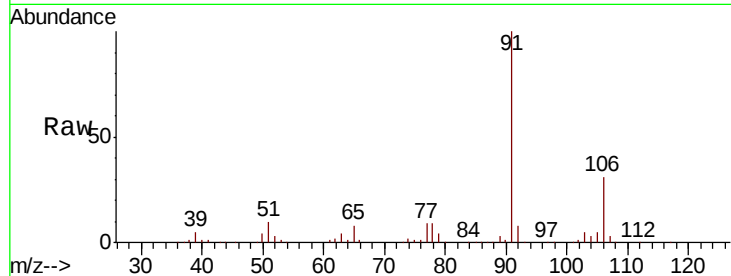
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 304273

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6



#53

m,p-xylene

Concen: 5.089 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006774.D

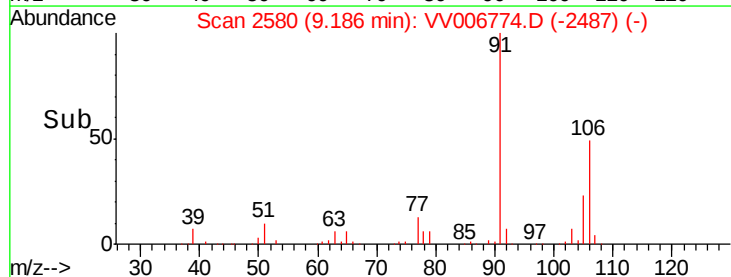
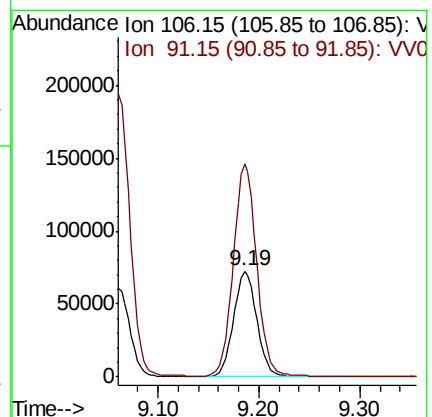
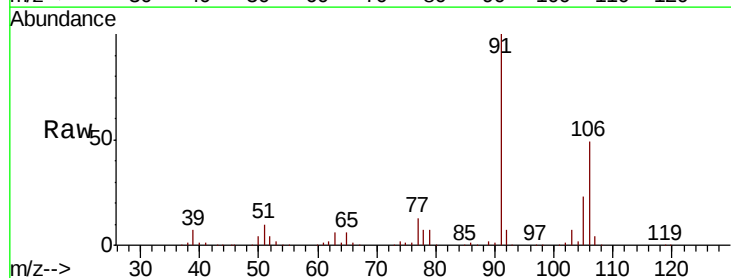
Acq: 30 Jul 2018 20:30

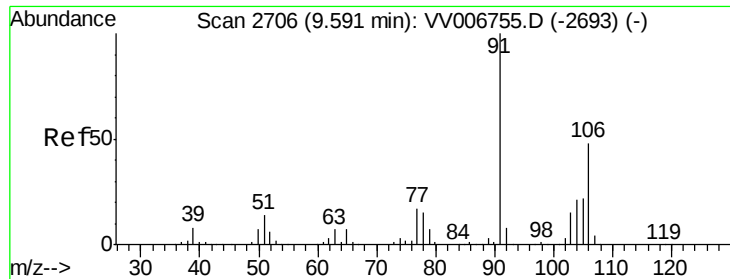
Tgt Ion: 106 Resp: 118065

Ion Ratio Lower Upper

106 100

91 202.3 140.3 260.5





#54

o-xylene

Concen: 5.037 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

Instrument :

MSVOA_V

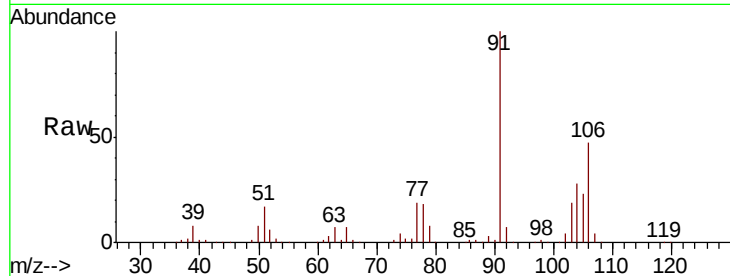
ClientSampled :

Tot Ion:106 Resp: 113837

Ion Ratio Lower Upper

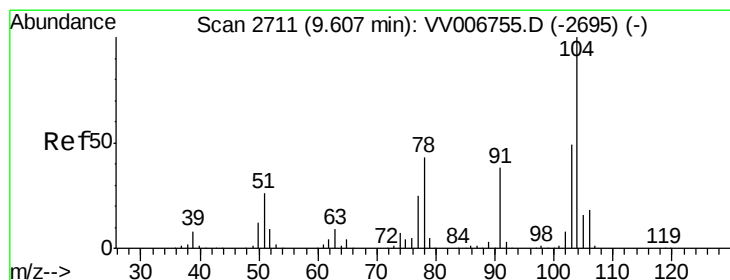
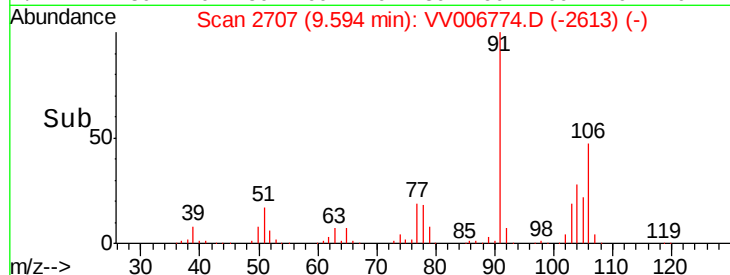
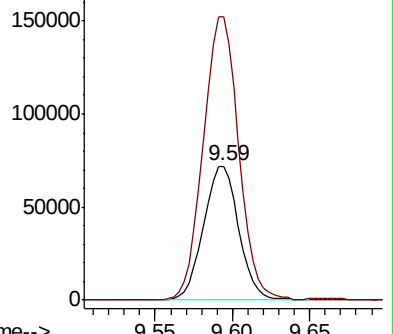
106 100

91 210.8 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.237 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006774.D

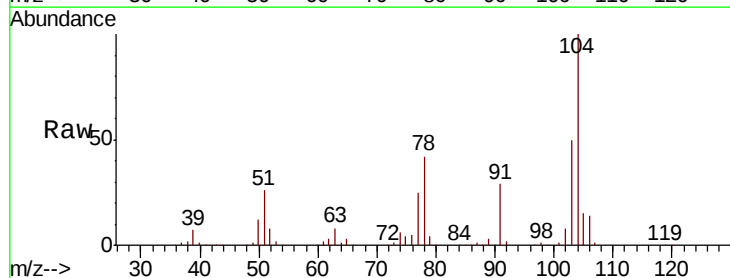
Acq: 30 Jul 2018 20:30

Tgt Ion:104 Resp: 199600

Ion Ratio Lower Upper

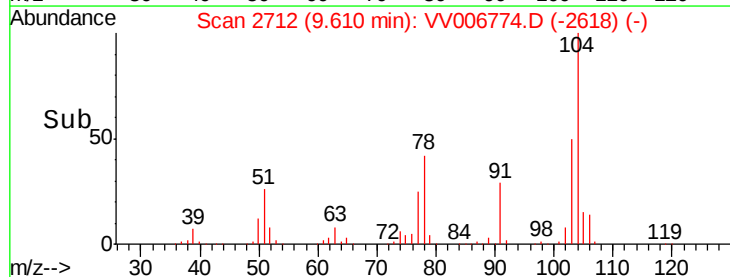
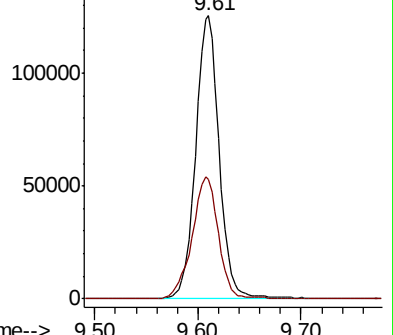
104 100

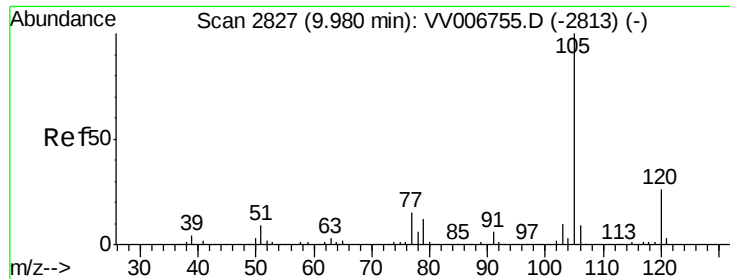
78 42.3 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.942 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

Instrument :

MSVOA_V

ClientSampleId :

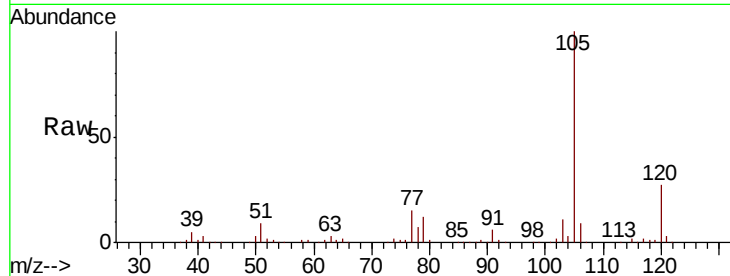
Tot Ion:105 Resp: 290018

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

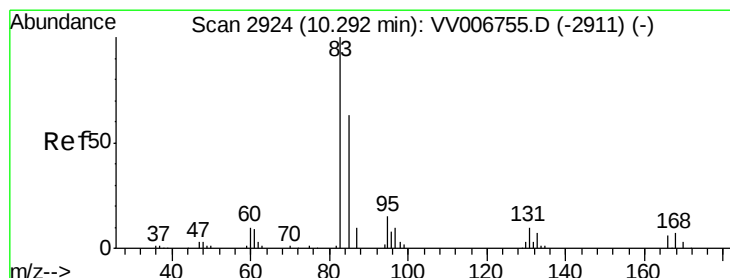
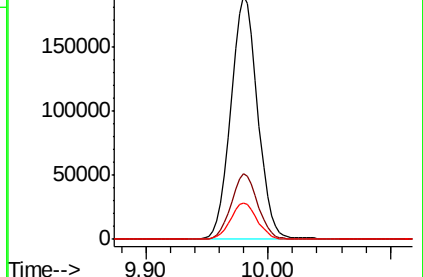
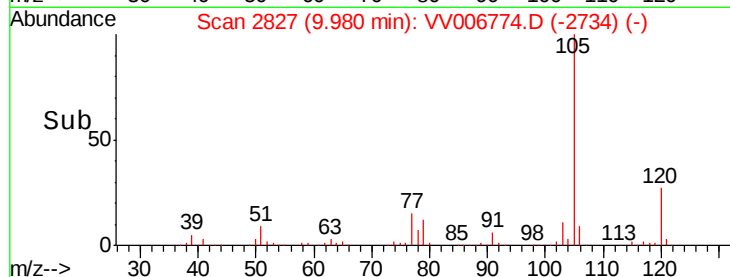
77 15.1 12.2 18.2



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: 5.426 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

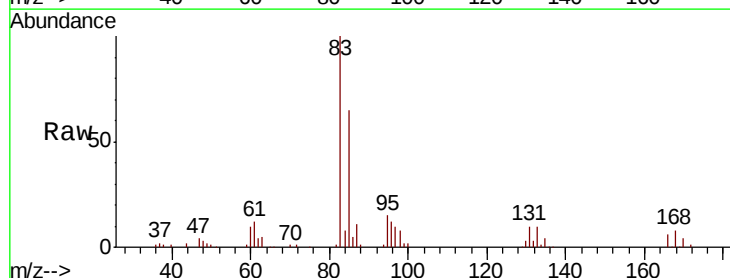
Tgt Ion: 83 Resp: 64248

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.6

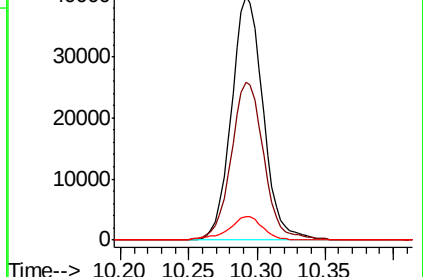
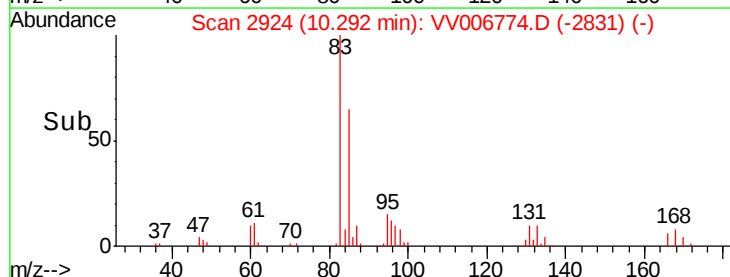
131 9.6 8.0 12.0

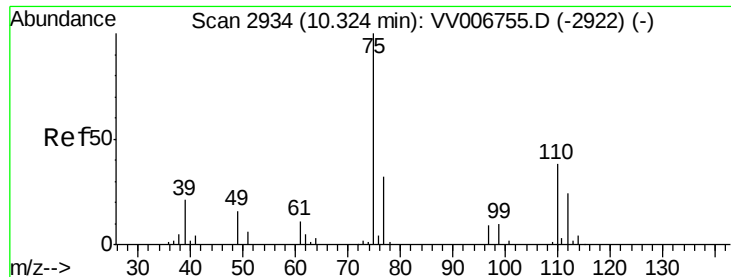


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

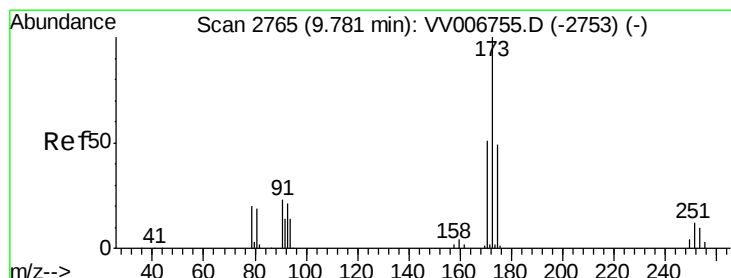
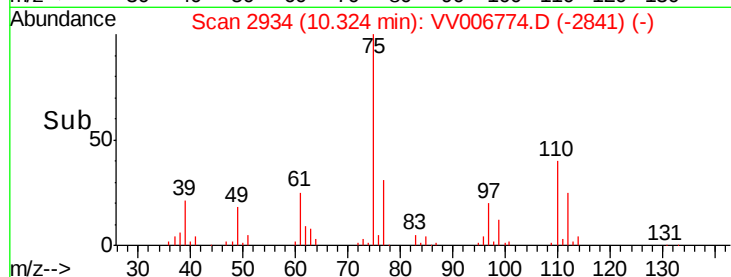
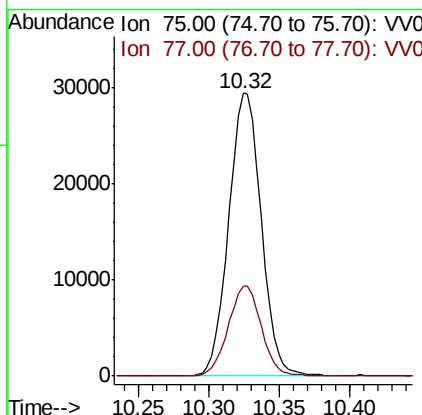
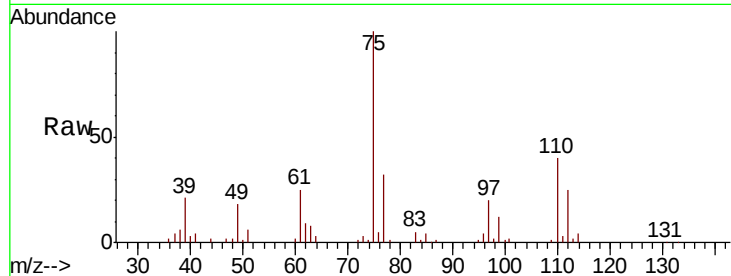




#59
 1,2,3-Trichloropropane
 Concen: 5.621 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

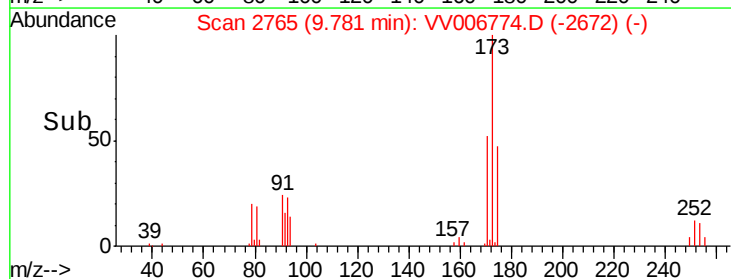
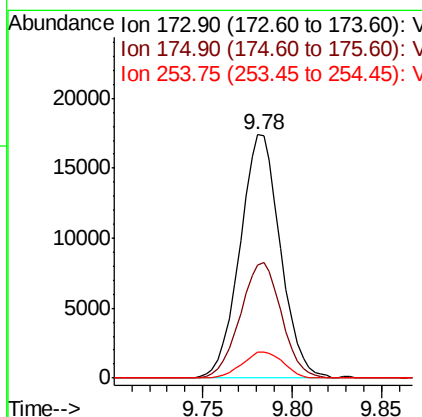
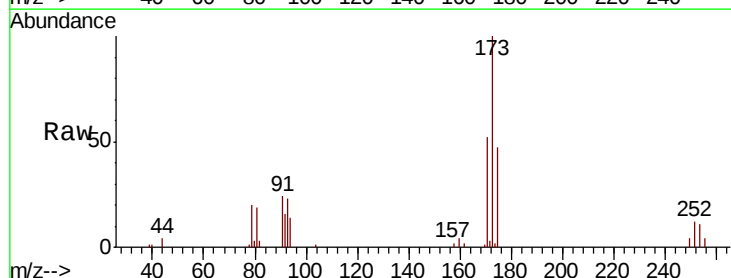
Instrument :
 MSVOA_V
 ClientSampleId :

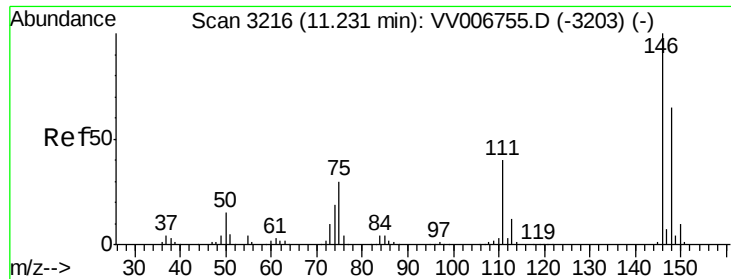
Tot Ion: 75 Resp: 47542
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.1 39.1



#61
 Bromoform
 Concen: 5.327 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Tgt Ion: 173 Resp: 27544
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.1 58.7
 254 11.0 9.1 13.7

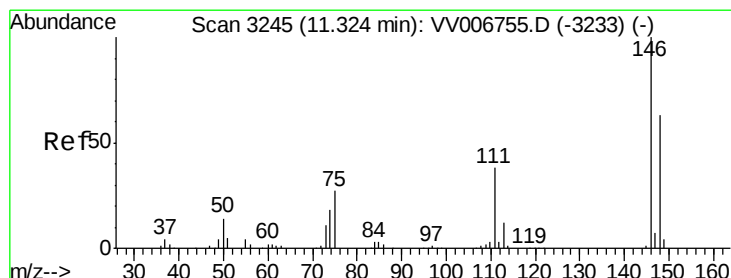
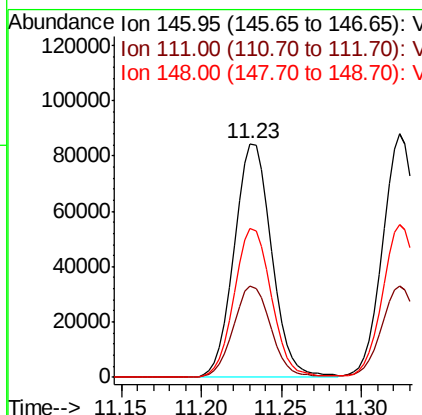
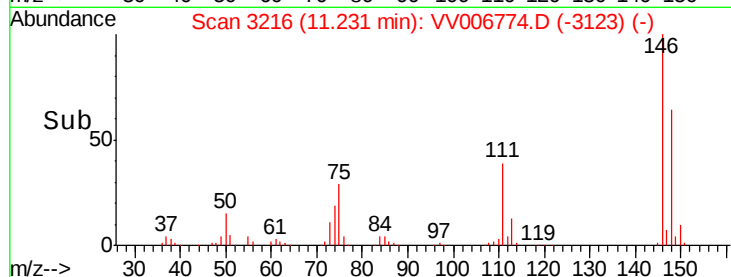
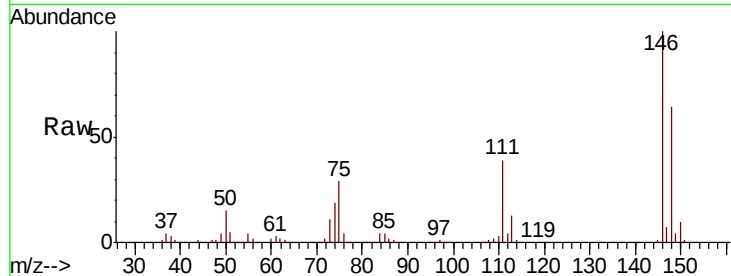




#62
 1,3-Dichlorobenzene
 Concen: 5.119 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

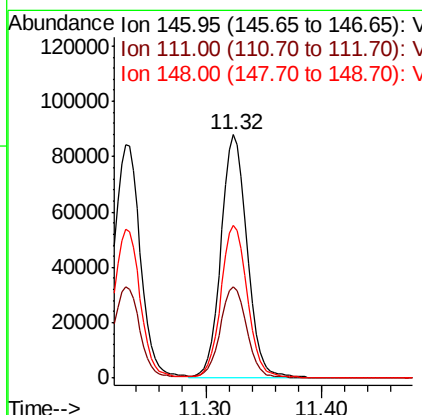
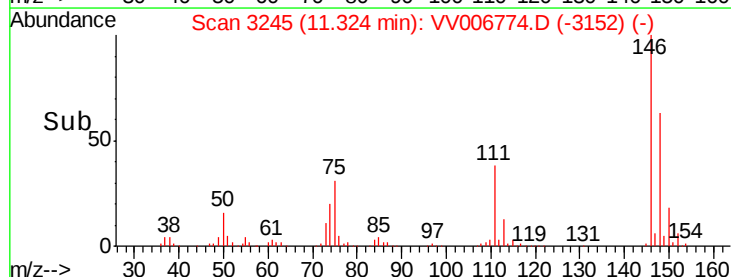
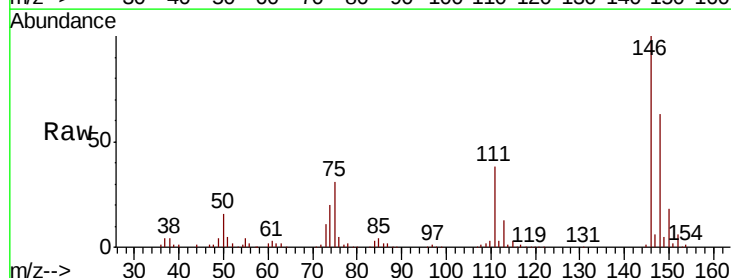
Instrument :
 MSVOA_V
 ClientSampled :

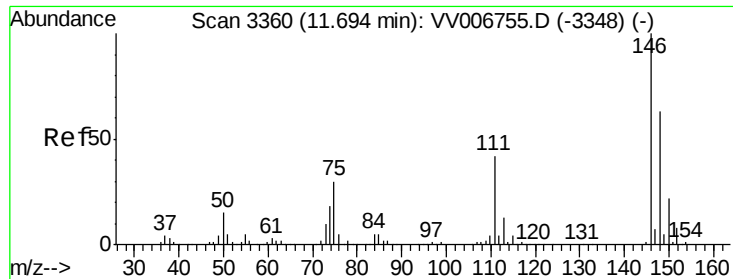
Tot Ion:146 Resp: 134609
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.5 51.1
 148 63.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.131 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Tgt Ion:146 Resp: 137523
 Ion Ratio Lower Upper
 146 100
 111 37.7 27.0 50.2
 148 63.0 45.1 83.7

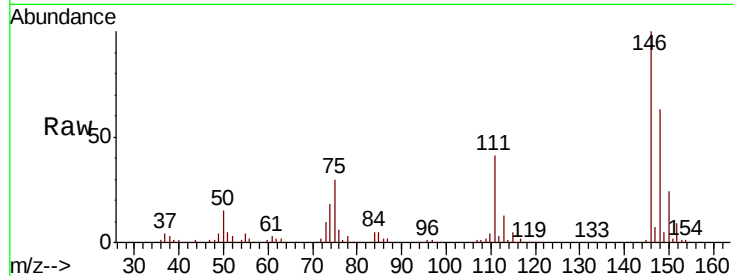




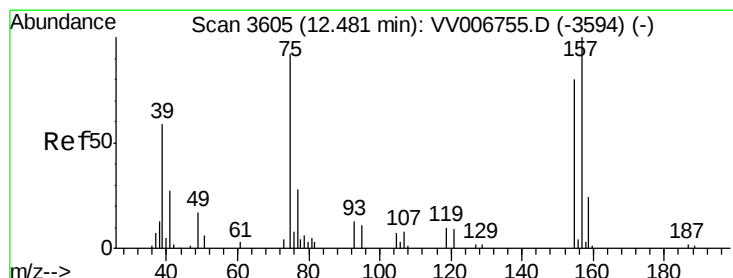
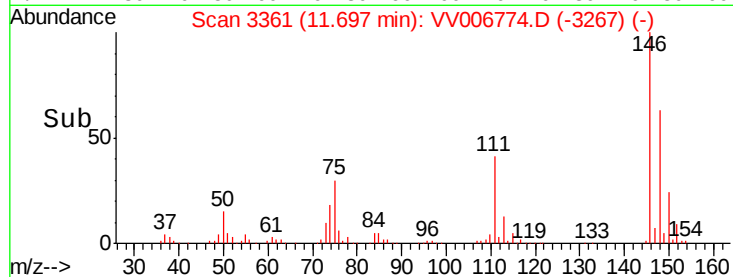
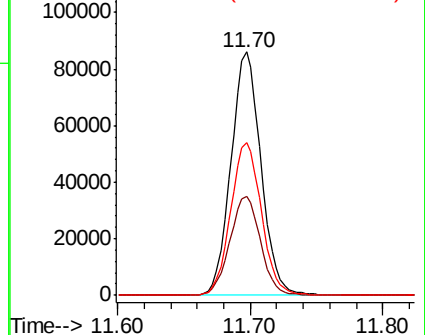
#65
 1,2-Dichlorobenzene
 Concen: 5.294 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:146 Resp: 135621
 Ion Ratio Lower Upper
 146 100
 111 40.9 32.9 49.3
 148 62.9 50.2 75.4

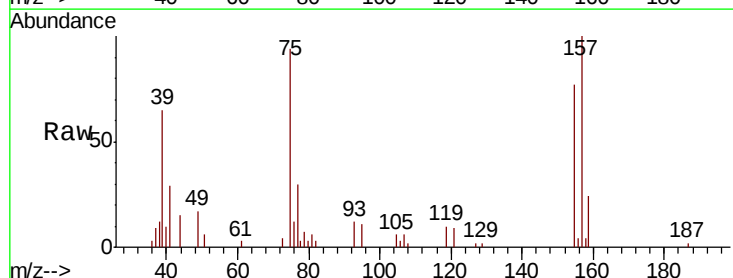


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

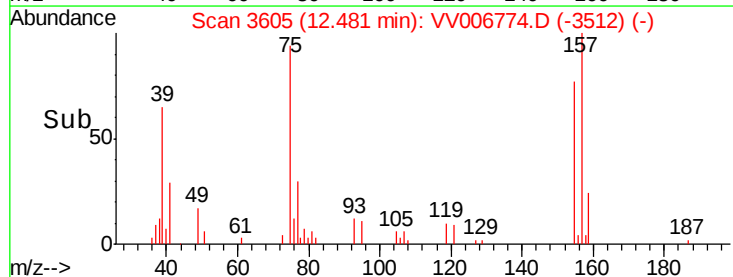
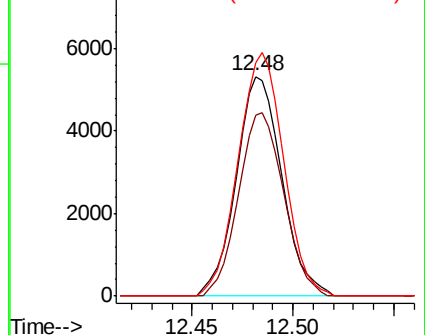


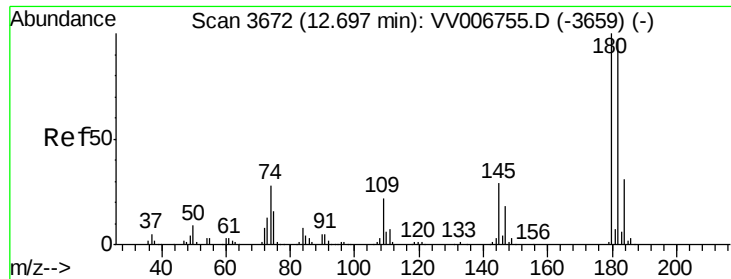
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.509 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Tgt Ion: 75 Resp: 8446
 Ion Ratio Lower Upper
 75 100
 155 82.4 68.8 103.2
 157 106.5 85.6 128.4



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

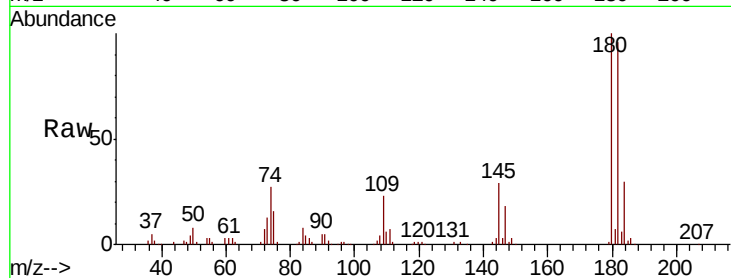




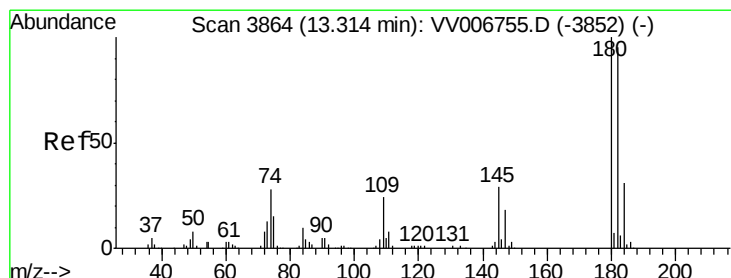
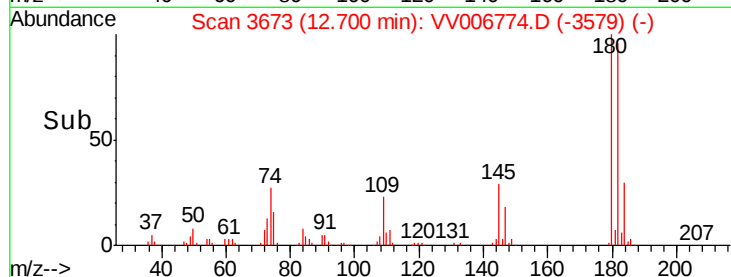
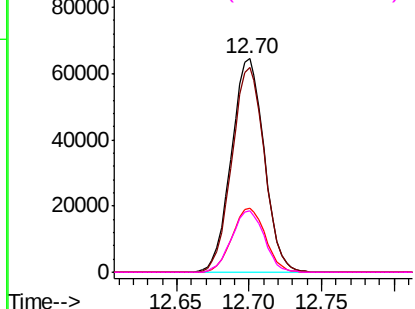
#67
 1,3,5-Trichlorobenzene
 Concen: 5.029 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	100990
Ion Ratio	Lower	Upper
180	100	
182	95.3	76.8 115.2
184	30.3	24.6 37.0
145	28.6	22.8 34.2

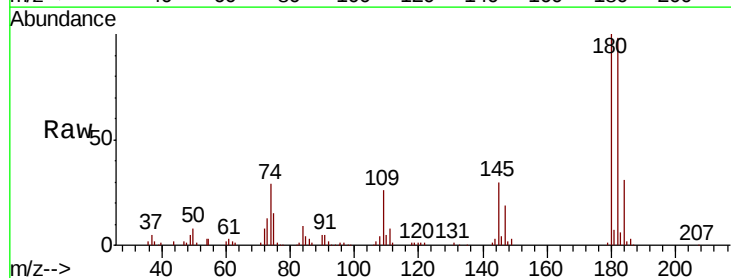


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

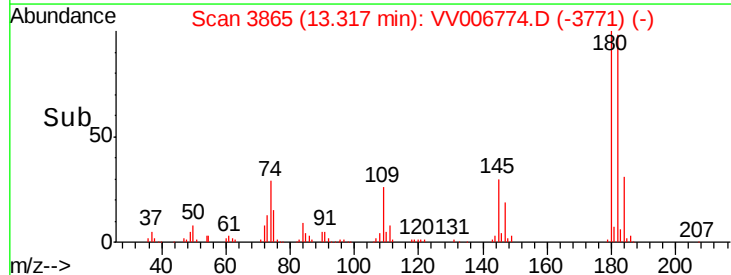
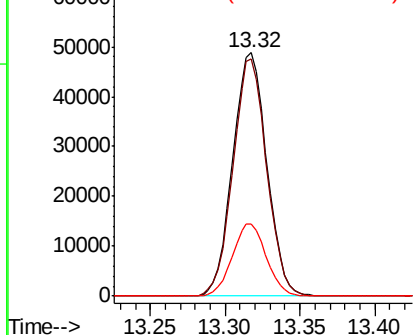


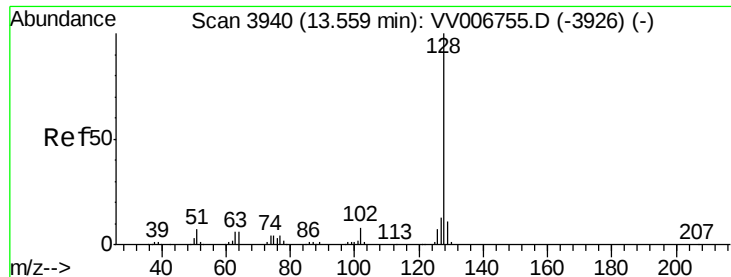
#68
 1,2,4-trichlorobenzene
 Concen: 4.863 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006774.D
 Acq: 30 Jul 2018 20:30

Tgt Ion:180	Resp:	77569
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.2 114.4
145	29.6	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: 4.754 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

Instrument :

MSVOA_V

ClientSampleId :

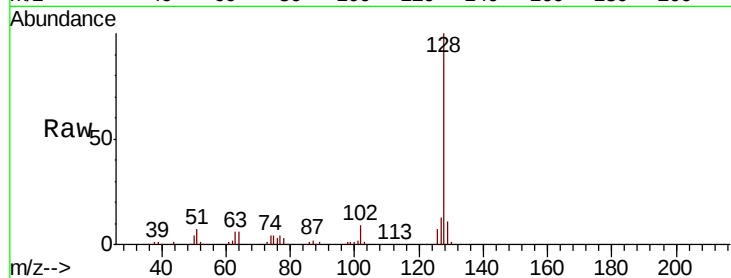
Tot Ion:128 Resp: 129757

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

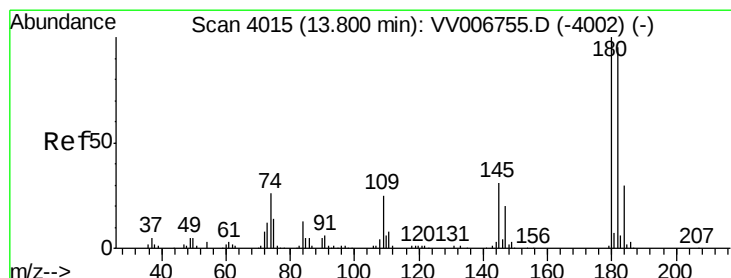
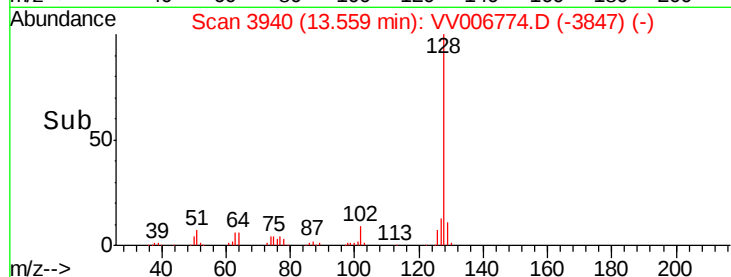
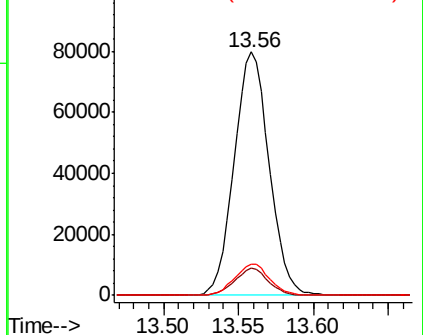
127 12.7 10.3 15.5



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: 5.130 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006774.D

Acq: 30 Jul 2018 20:30

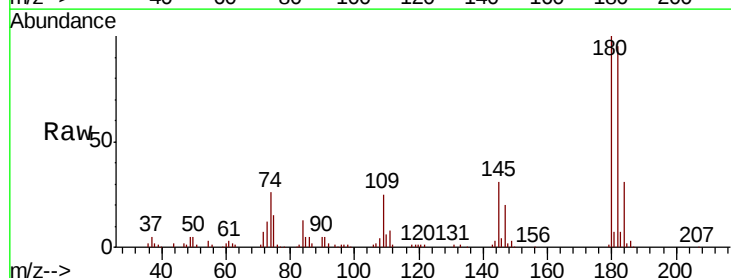
Tgt Ion:180 Resp: 77436

Ion Ratio Lower Upper

180 100

182 94.6 75.3 112.9

145 30.5 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

