

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080918\
 Data File : VV006948.D
 Acq On : 09 Aug 2018 12:50
 Operator : SY/MD
 Sample : VSTD0.575
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 10 01:54:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 01:53:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	283114	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	262203	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	107417	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8936	0.49	ug/L	0.00
7) Chloroethane-d5	1.58	69	7977	0.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	17756	0.52	ug/L	0.00
20) 2-Butanone-d5	3.98	46	25202	4.80	ug/L	0.00
24) Chloroform-d	4.40	84	17075	0.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	8353	0.45	ug/L	0.00
32) Benzene-d6	5.10	84	31572	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	10665	0.46	ug/L	0.00
41) Toluene-d8	7.36	98	24393	0.43	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3428	0.43	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	10990	3.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	8245	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	9496	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	14720	0.534	ug/L 98
3) Chloromethane	1.25	50	15711	0.592	ug/L 99
5) Vinyl chloride	1.32	62	14643	0.534	ug/L 96
6) Bromomethane	1.54	94	3586	0.602	ug/L 93
8) Chloroethane	1.60	64	9122	0.548	ug/L 96
9) Trichlorofluoromethane	1.77	101	19273	0.552	ug/L 93
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	11509	0.550	ug/L 98
12) 1,1-Dichloroethene	2.14	96	11540	0.568	ug/L 90
13) Acetone	2.22	43	16285	6.018	ug/L 92
14) Carbon disulfide	2.32	76	37267	0.555	ug/L 95
15) Methyl Acetate	2.48	43	4844	0.636	ug/L 92
16) Methylene chloride	2.54	84	16625	0.678	ug/L 96
17) Methyl tert-butyl Ether	2.82	73	25570	0.525	ug/L 94
18) trans-1,2-Dichloroethene	2.79	96	11864	0.545	ug/L 93
19) 1,1-Dichloroethane	3.23	63	22182	0.564	ug/L 98
21) 2-Butanone	4.06	43	32111	5.465	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	14129	0.572	ug/L 86
23) Bromochloromethane	4.30	128	2671	0.265	ug/L 90
25) Chloroform	4.43	83	24001	0.558	ug/L 98
27) 1,2-Dichloroethane	5.19	62	13810	0.515	ug/L 98
29) 1,1,1-Trichloroethane	4.66	97	19238	0.550	ug/L 99
30) Cyclohexane	4.72	56	18615	0.512	ug/L 99
31) Carbon tetrachloride	4.87	117	15214	0.519	ug/L 96
33) Benzene	5.15	78	46649	0.514	ug/L 100
34) Trichloroethene	5.96	95	11668	0.536	ug/L 95
35) Methylcyclohexane	6.18	83	16980	0.486	ug/L 100
37) 1,2-Dichloropropane	6.23	63	13674	0.550	ug/L 98
38) Bromodichloromethane	6.56	83	15323	0.542	ug/L 99
39) cis-1,3-Dichloropropene	7.08	75	15475	0.515	ug/L 96
40) 4-Methyl-2-pentanone	7.29	43	59482	4.429	ug/L 98

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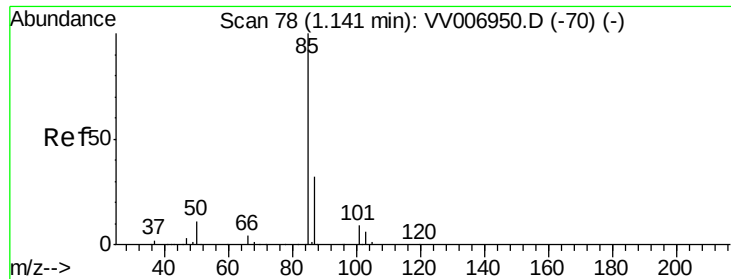
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 10 01:54:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 01:53:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	40999	0.470	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	11543	0.468	ug/L	94
45) 1,1,2-Trichloroethane	7.89	97	8594	0.531	ug/L	96
47) Tetrachloroethene	8.02	164	9324	0.528	ug/L	97
48) 2-Hexanone	8.20	43	38631	4.078	ug/L	98
49) Dibromochloromethane	8.30	129	8411	0.496	ug/L	81
50) 1,2-Dibromoethane	8.40	107	6922	0.507	ug/L #	95
51) Chlorobenzene	8.93	112	29040	0.522	ug/L	99
52) Ethylbenzene	9.06	91	40514	0.465	ug/L	100
53) m,p-xylene	9.19	106	14848	0.457	ug/L	100
54) o-xylene	9.59	106	13924	0.452	ug/L	94
55) Styrene	9.61	104	20874	0.402	ug/L	93
56) Isopropylbenzene	9.98	105	35070	0.434	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	10375	0.528	ug/L	96
59) 1,2,3-Trichloropropane	10.33	75	6753	0.485	ug/L #	78
61) Bromoform	9.78	173	4528	0.557	ug/L	92
62) 1,3-Dichlorobenzene	11.23	146	18876	0.543	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	19143	0.537	ug/L	93
65) 1,2-Dichlorobenzene	11.70	146	18223	0.533	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	1283	0.529	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	13470	0.512	ug/L	96
68) 1,2,4-trichlorobenzene	13.32	180	9555	0.495	ug/L	93
69) Naphthalene	13.56	128	12317	0.444	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	8754	0.470	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.534 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

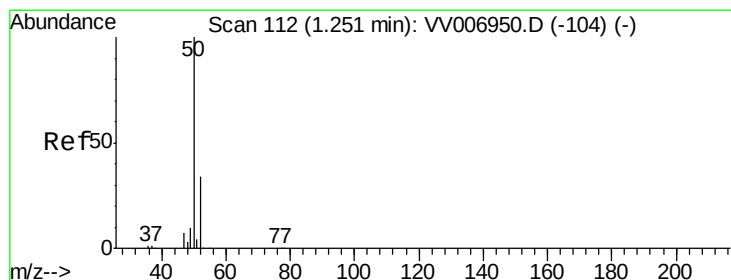
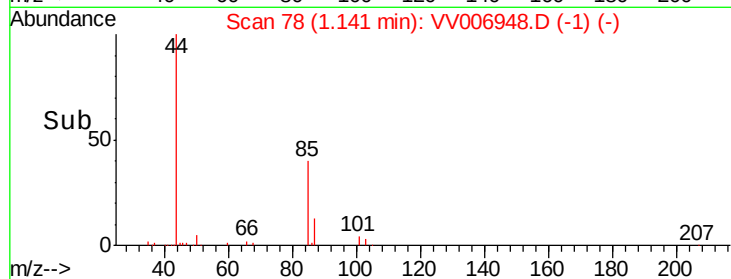
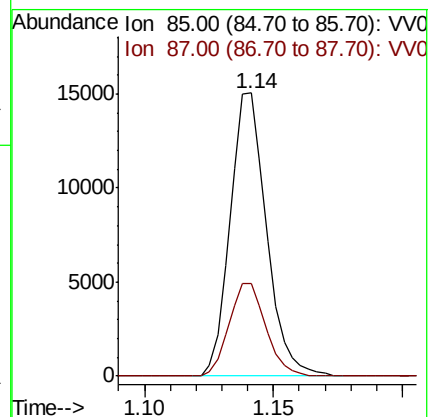
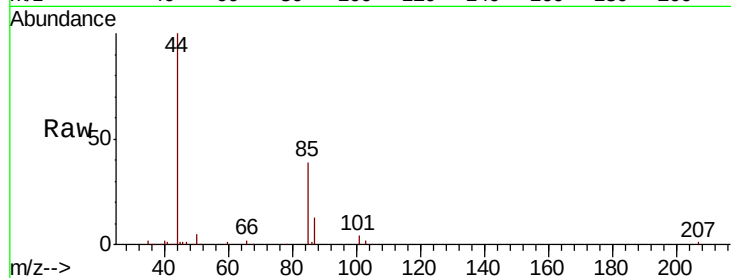
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 14720

Ion Ratio Lower Upper

85 100

87 33.1 25.4 38.2



#3

Chloromethane

Concen: 0.592 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006948.D

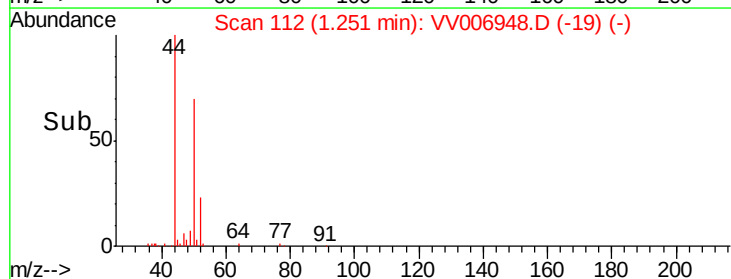
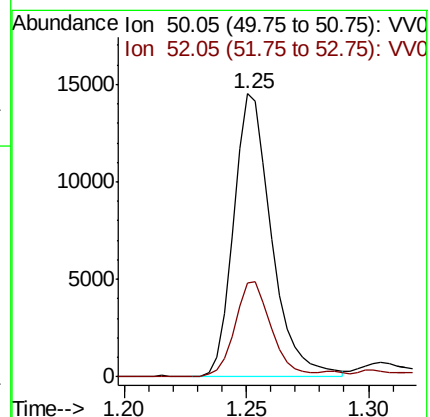
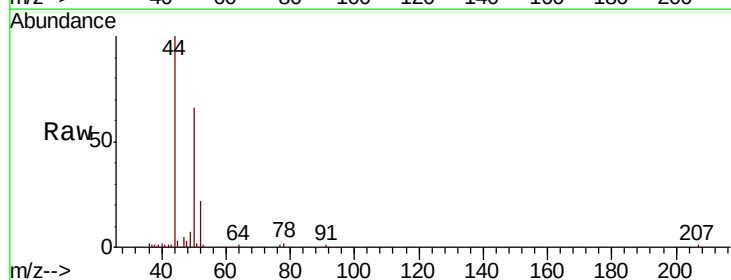
Acq: 09 Aug 2018 12:50

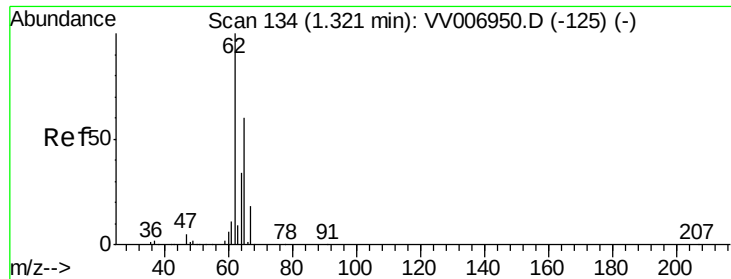
Tgt Ion: 50 Resp: 15711

Ion Ratio Lower Upper

50 100

52 33.3 23.6 43.8





#5

Vinyl chloride

Concen: 0.534 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_V

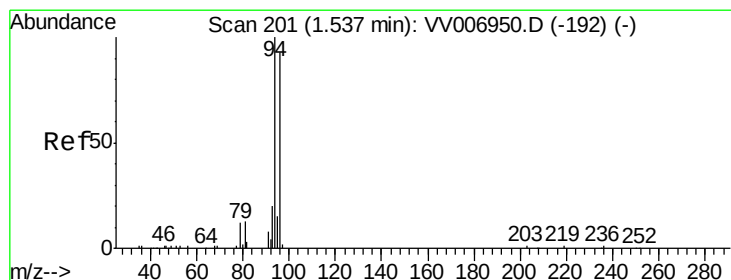
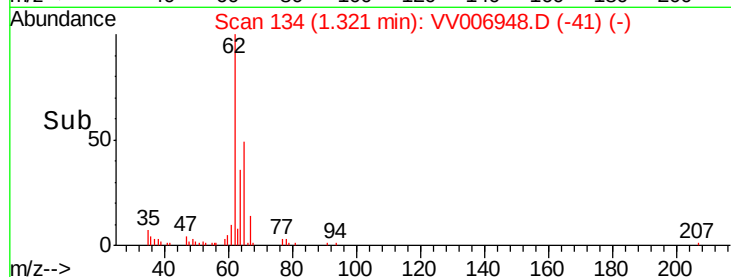
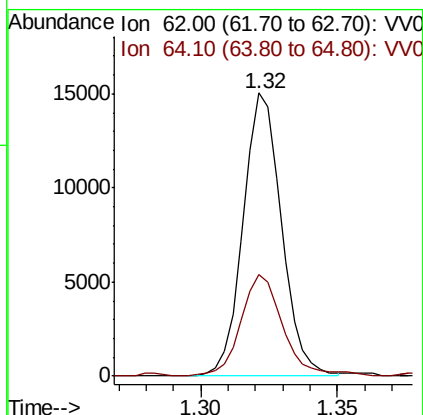
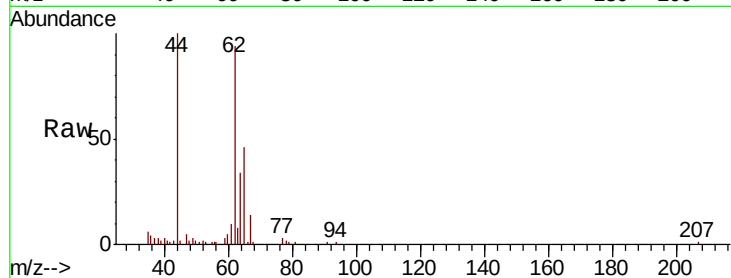
ClientSampleId :

Tot Ion: 62 Resp: 14643

Ion Ratio Lower Upper

62 100

64 35.8 23.5 43.7



#6

Bromomethane

Concen: 0.602 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV006948.D

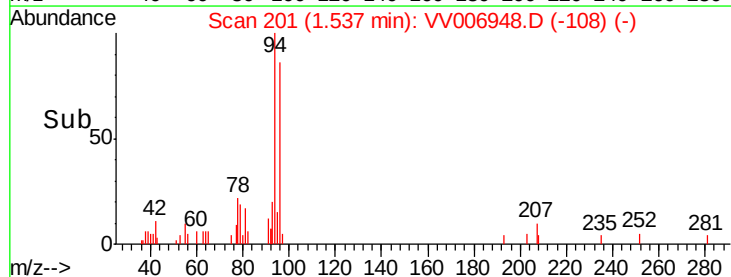
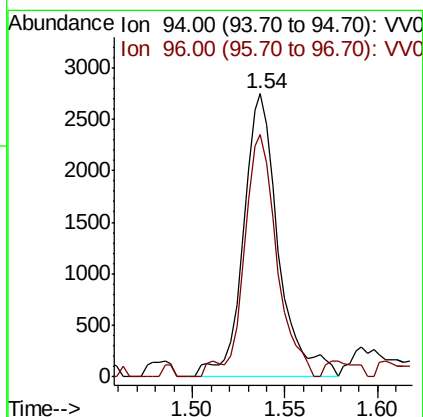
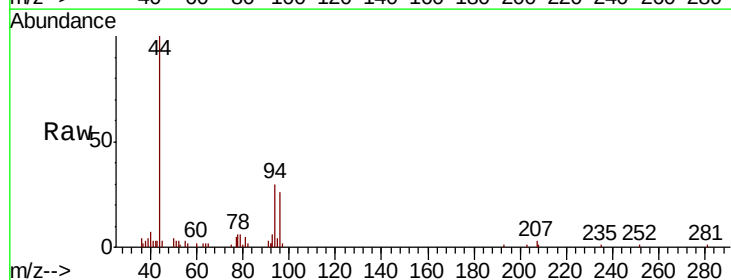
Acq: 09 Aug 2018 12:50

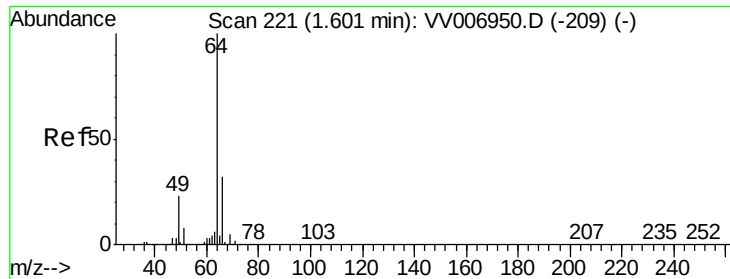
Tgt Ion: 94 Resp: 3586

Ion Ratio Lower Upper

94 100

96 85.8 65.0 120.6

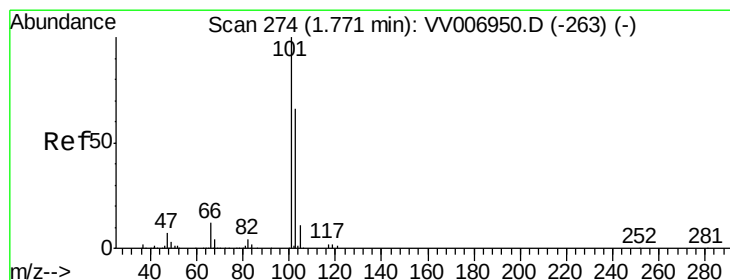
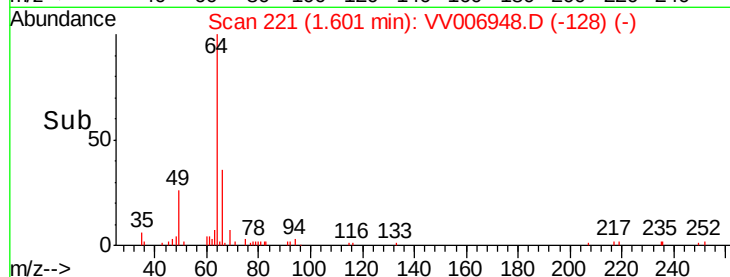
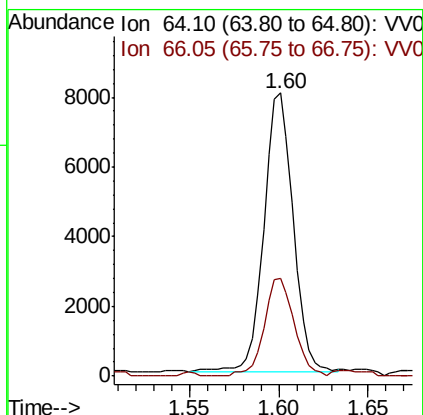
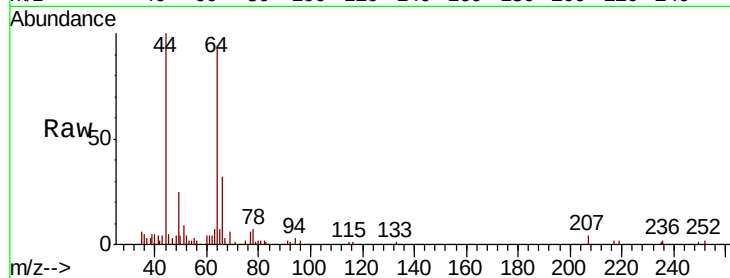




#8
Chloroethane
Concen: 0.548 ug/L
RT: 1.60 min Scan# 221
Delta R.T. -0.00 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

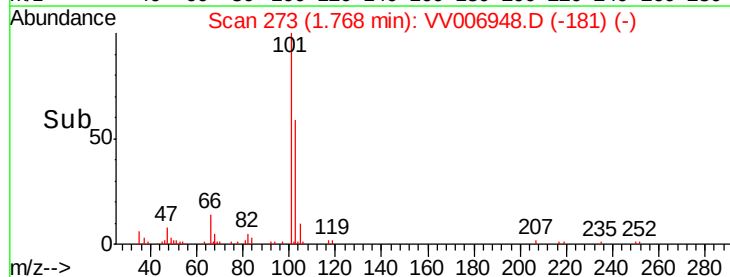
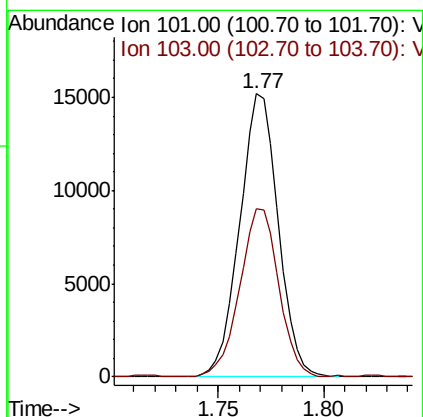
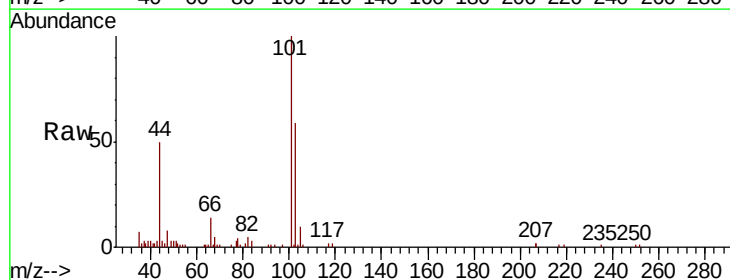
Instrument :
MSVOA_V
ClientSampleId :

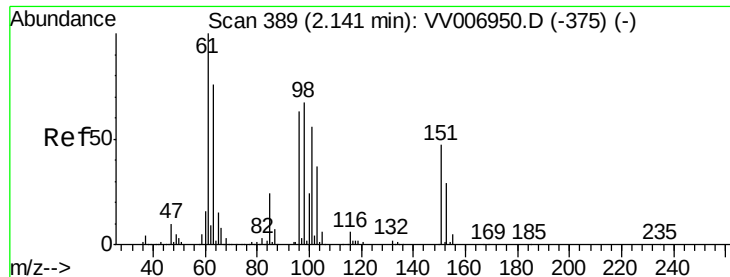
Tot Ion: 64 Resp: 9122
Ion Ratio Lower Upper
64 100
66 34.7 22.6 42.0



#9
Trichlorofluoromethane
Concen: 0.552 ug/L
RT: 1.77 min Scan# 273
Delta R.T. -0.00 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

Tgt Ion: 101 Resp: 19273
Ion Ratio Lower Upper
101 100
103 60.2 52.7 79.1





#10

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

Concen: 0.550 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_V

ClientSampleId :

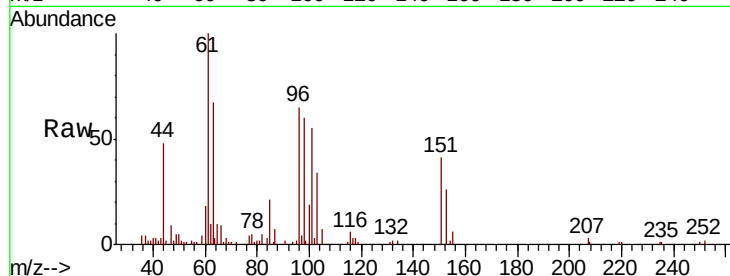
Tot Ion:101 Resp: 11509

Ion Ratio Lower Upper

101 100

85 39.5 33.9 50.9

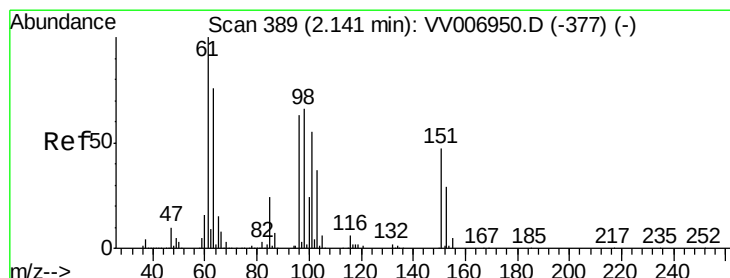
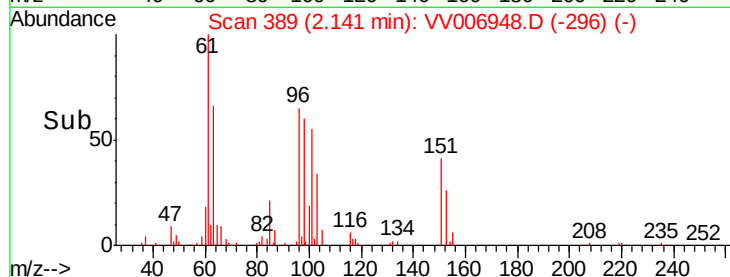
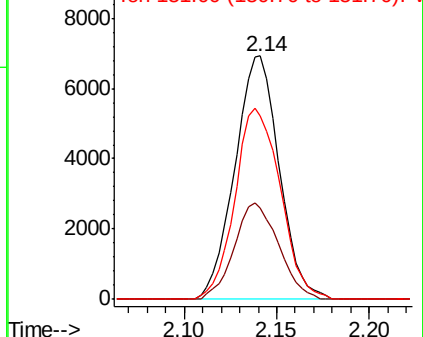
151 80.3 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV006950.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV006950.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV006950.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 0.568 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

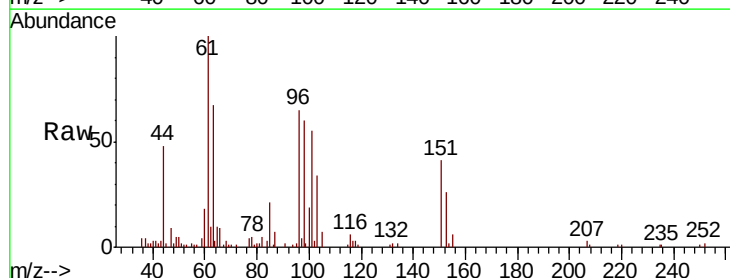
Tgt Ion: 96 Resp: 11540

Ion Ratio Lower Upper

96 100

61 153.4 111.6 207.4

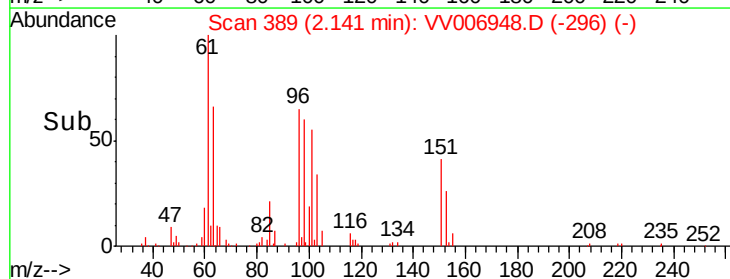
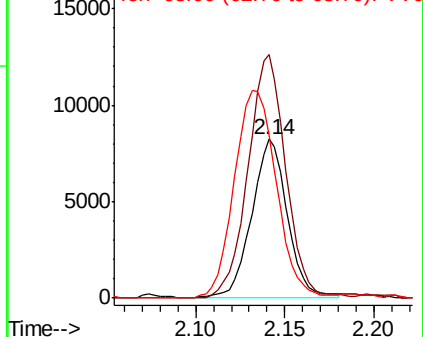
63 102.8 84.9 157.7

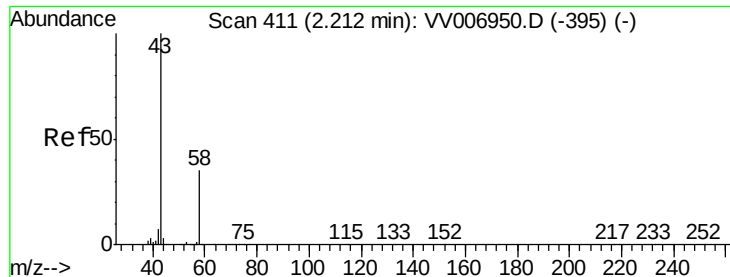


Abundance Ion 96.00 (95.70 to 96.70): VV006950.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VV006950.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV006950.D (-377) (-)





#13

Acetone

Concen: 6.018 ug/L

RT: 2.22 min Scan# 412

Delta R.T. 0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

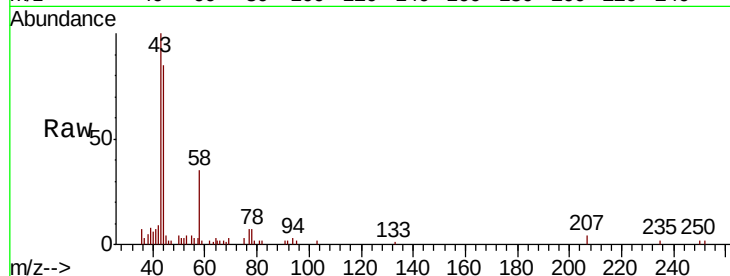
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 16285

Ion Ratio Lower Upper

43 100

58 40.6 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006950.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV006950.D (-395) (-)

2.22

8000

6000

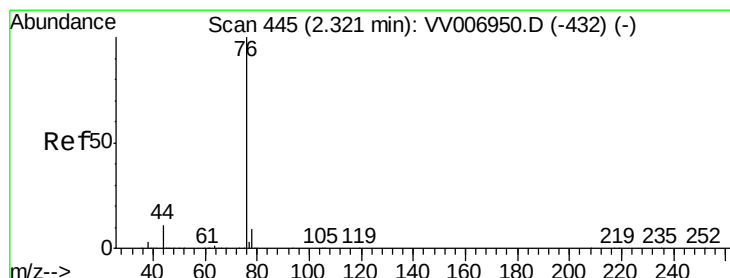
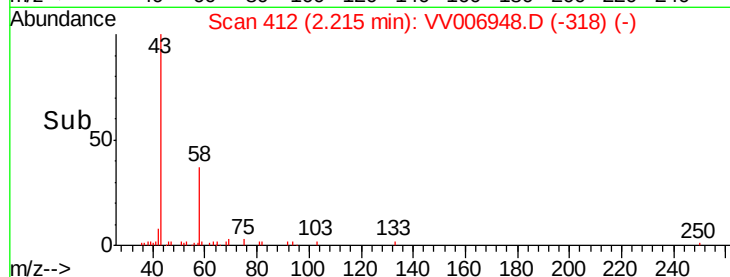
4000

2000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.555 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006948.D

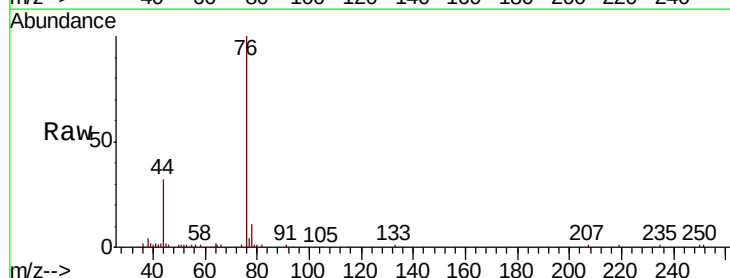
Acq: 09 Aug 2018 12:50

Tgt Ion: 76 Resp: 37267

Ion Ratio Lower Upper

76 100

78 11.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV006950.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV006950.D (-432) (-)

2.32

30000

25000

20000

15000

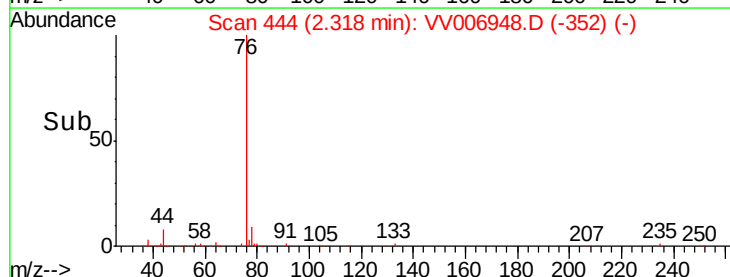
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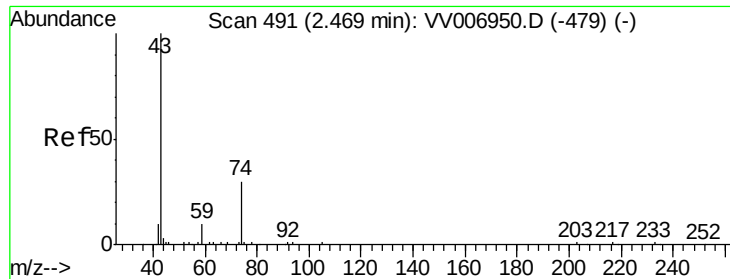
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0

Time-->

2.25 2.30 2.35

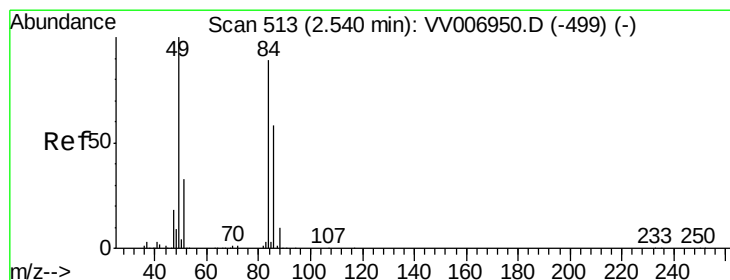
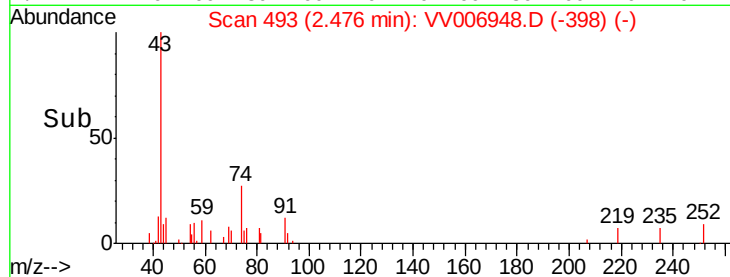
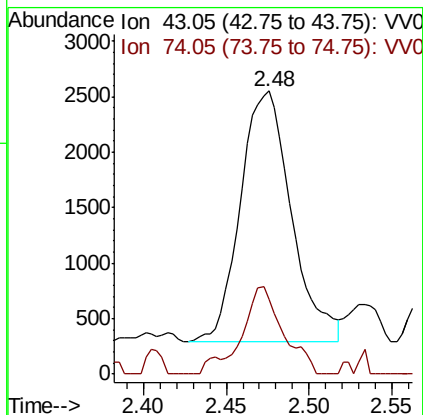
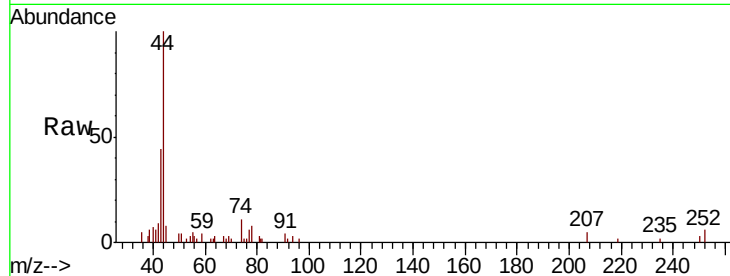




#15
Methvl Acetate
Concen: 0.636 ug/L
RT: 2.48 min Scan# 493
Delta R.T. 0.01 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

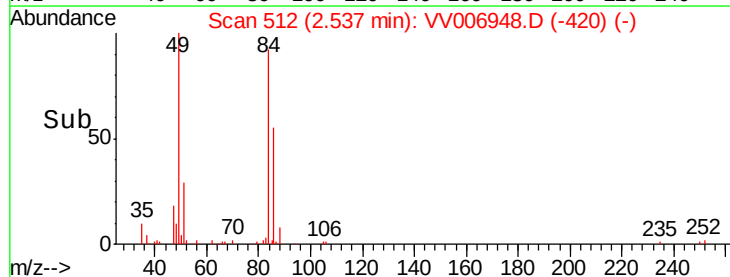
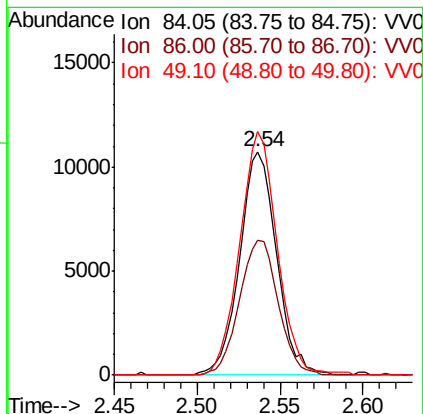
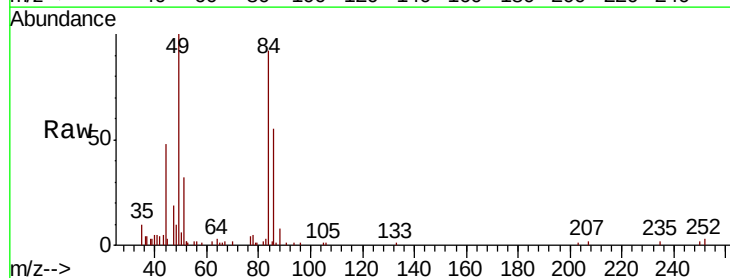
Instrument :
MSVOA_V
ClientSampled :

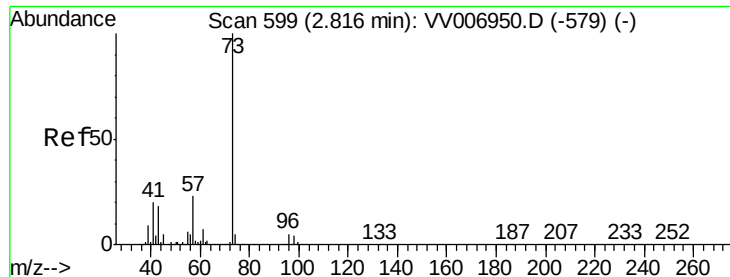
Tot Ion: 43 Resp: 4844
Ion Ratio Lower Upper
43 100
74 26.4 24.6 37.0



#16
Methylene chloride
Concen: 0.678 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

Tgt Ion: 84 Resp: 16625
Ion Ratio Lower Upper
84 100
86 60.3 45.7 84.9
49 109.1 78.8 146.4

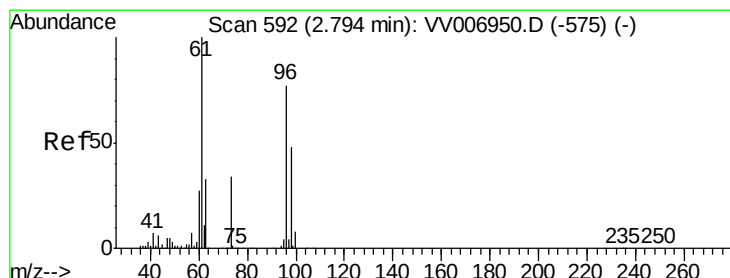
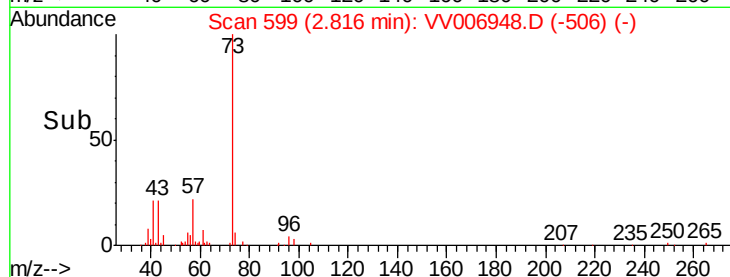
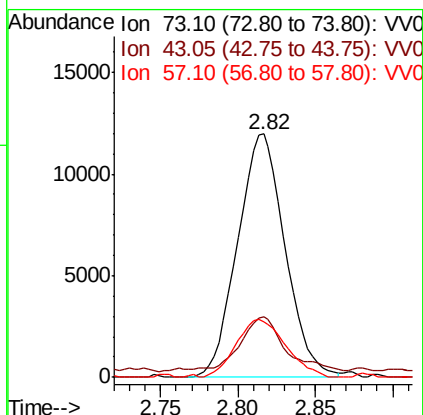
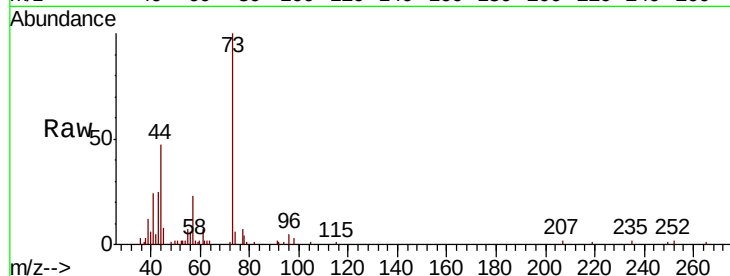




#17
Methyl tert-butyl Ether
Concen: 0.525 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

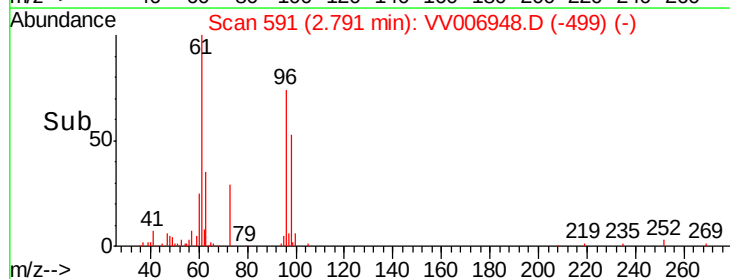
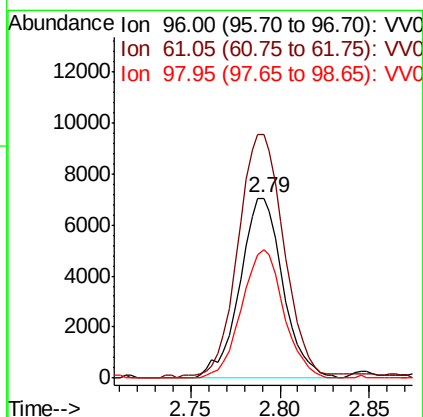
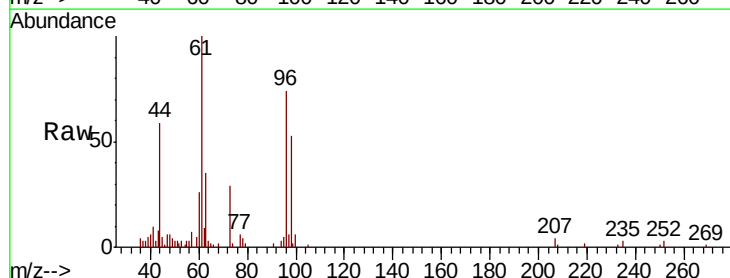
Instrument :
MSVOA_V
ClientSampleId :

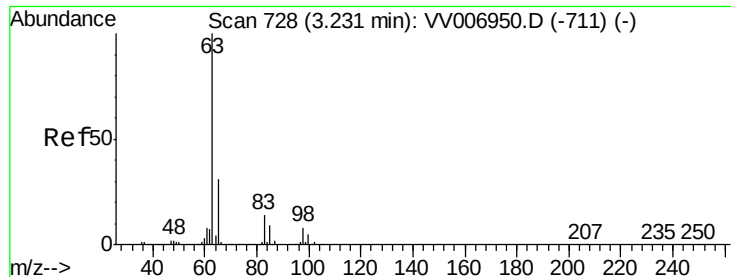
Tot Ion:	73	Resp:	25570
Ion	Ratio	Lower	Upper
73	100		
43	20.8	14.4	21.6
57	24.8	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 0.545 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

Tgt Ion:	96	Resp:	11864
Ion	Ratio	Lower	Upper
96	100		
61	135.1	91.1	169.3
98	71.5	43.5	80.9

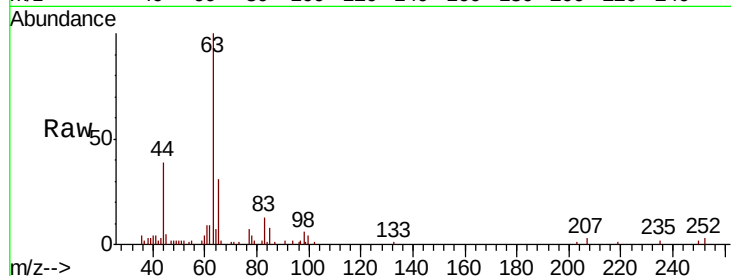




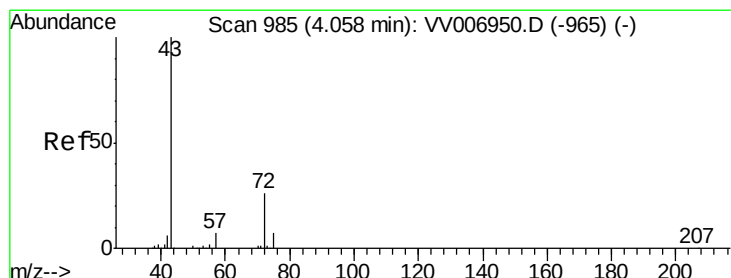
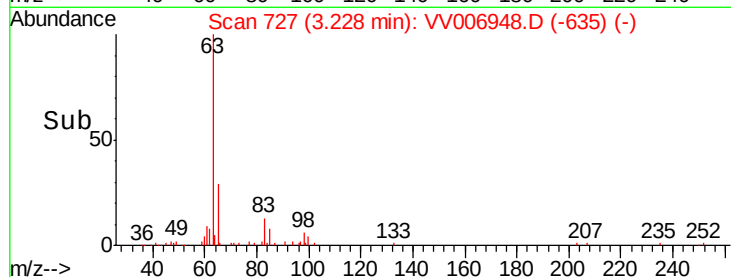
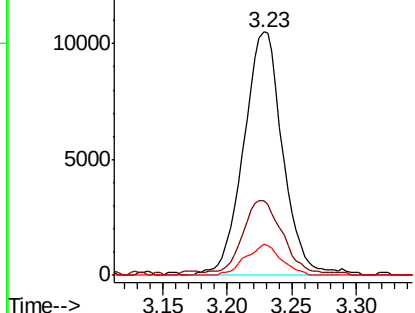
#19
 1,1-Dichloroethane
 Concen: 0.564 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 22182
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.7 40.3
 83 12.6 10.0 18.6

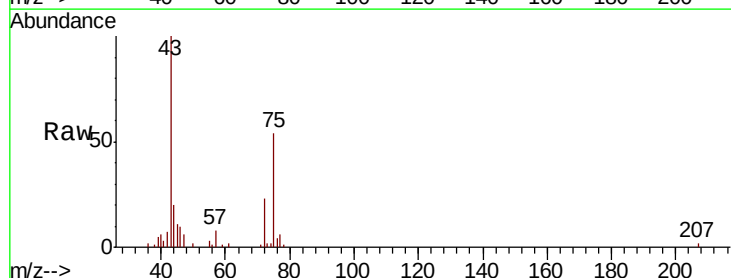


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

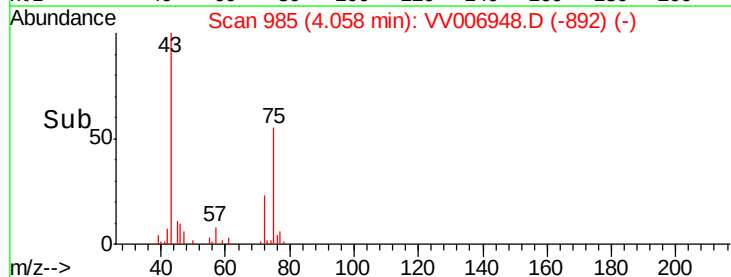
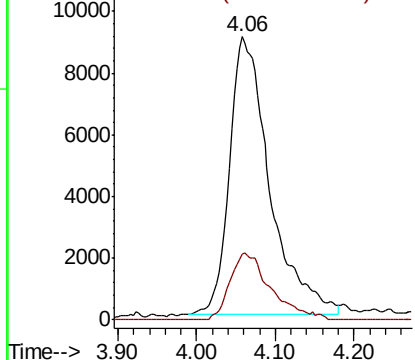


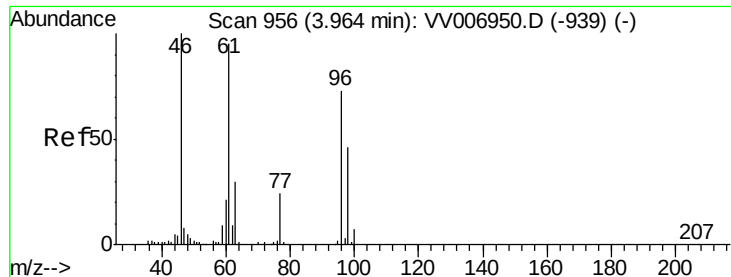
#21
 2-Butanone
 Concen: 5.465 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Tgt Ion: 43 Resp: 32111
 Ion Ratio Lower Upper
 43 100
 72 23.8 12.4 37.2



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



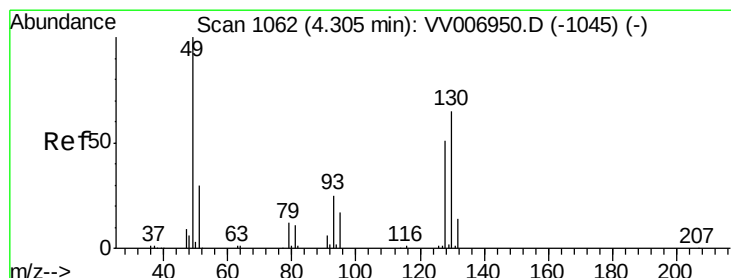
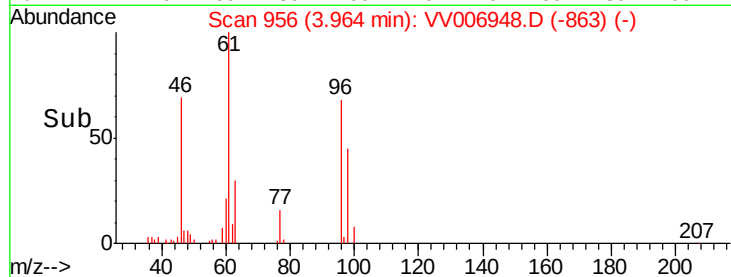
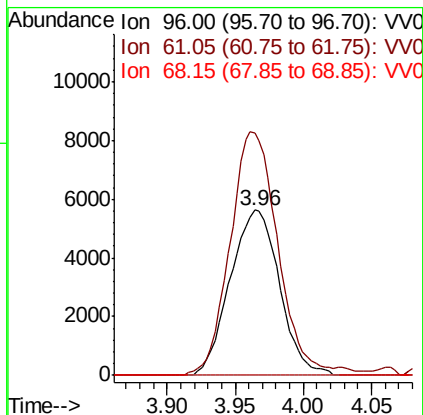
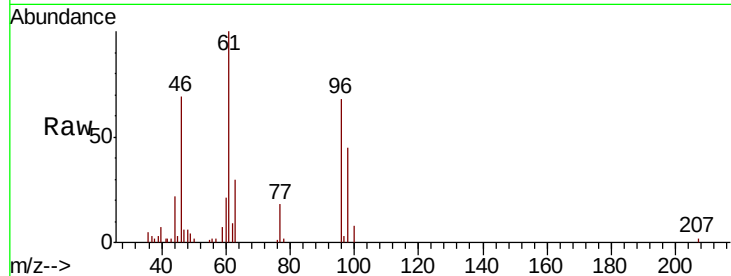


#22

cis-1,2-Dichloroethene
 Concen: 0.572 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Instrument :
 MSVOA_V
 ClientSampled :

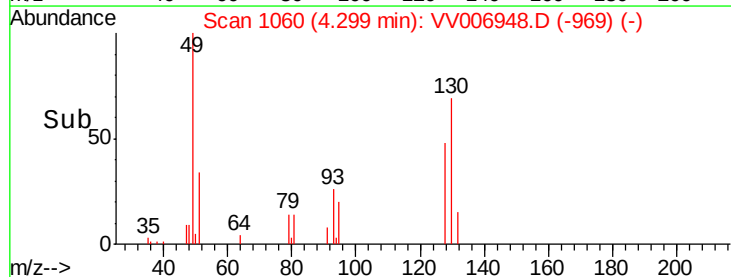
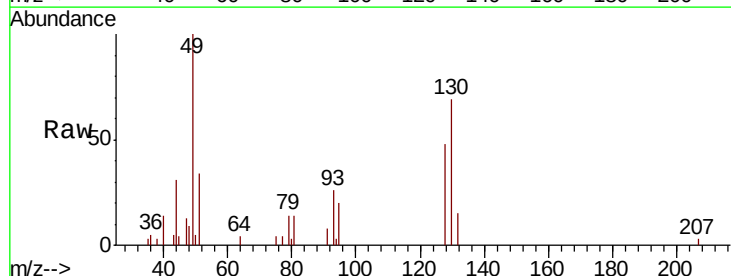
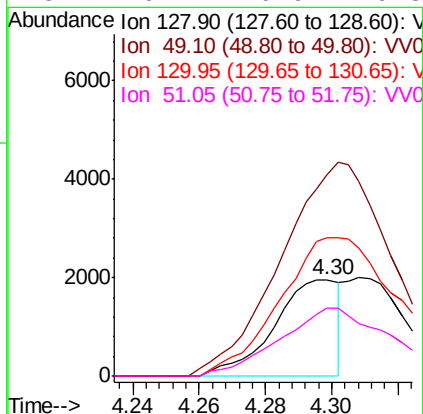
Tot Ion: 96 Resp: 14129
 Ion Ratio Lower Upper
 96 100
 61 146.7 91.1 169.1
 68 0.0 0.0 0.0

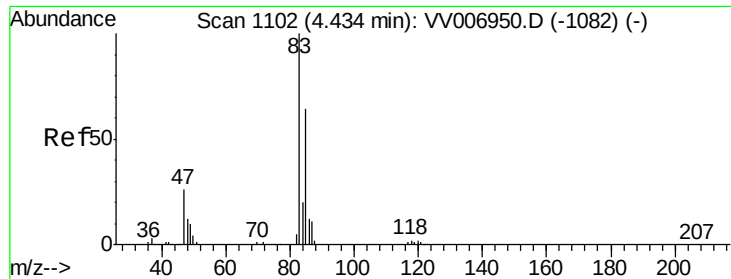


#23

Bromochloromethane
 Concen: 0.265 ug/L
 RT: 4.30 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Tgt Ion: 128 Resp: 2671
 Ion Ratio Lower Upper
 128 100
 49 208.3 138.6 257.4
 130 143.5 90.0 167.2
 51 70.2 46.9 70.3

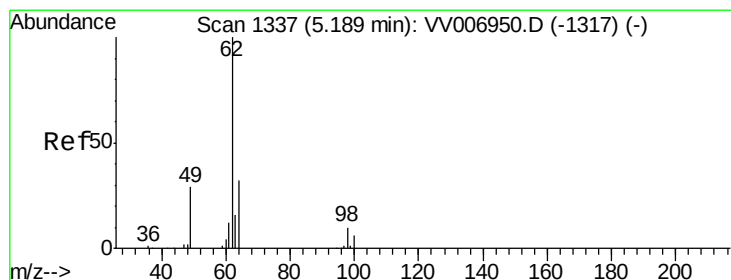
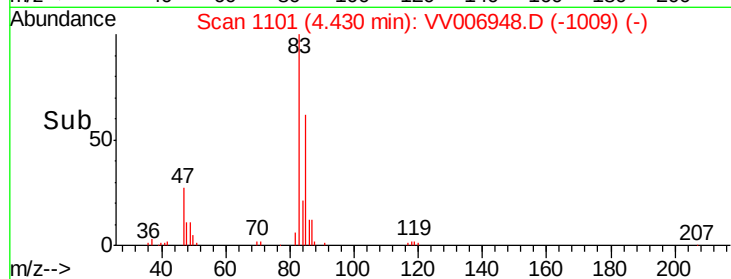
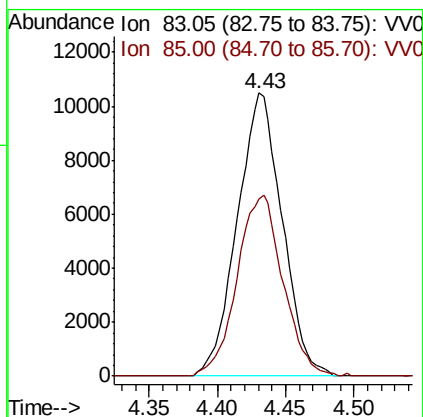
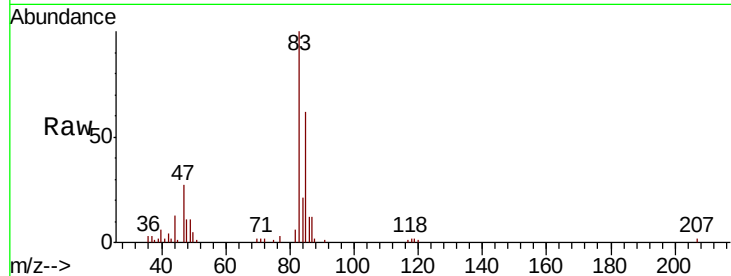




#25
Chloroform
Concen: 0.558 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

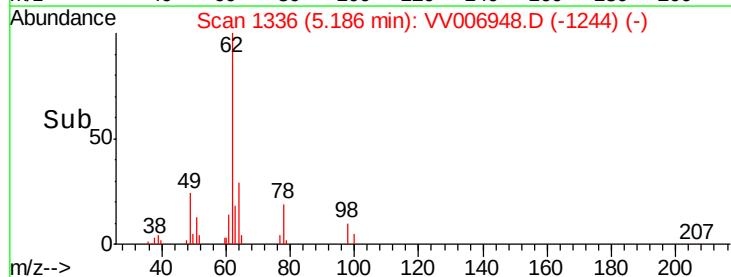
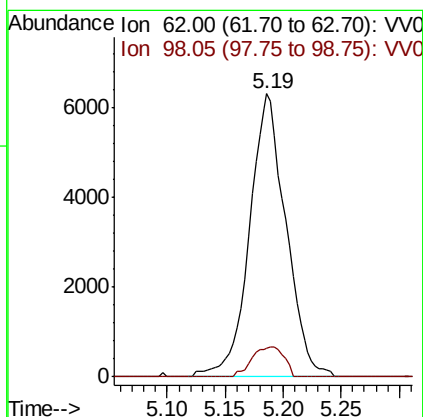
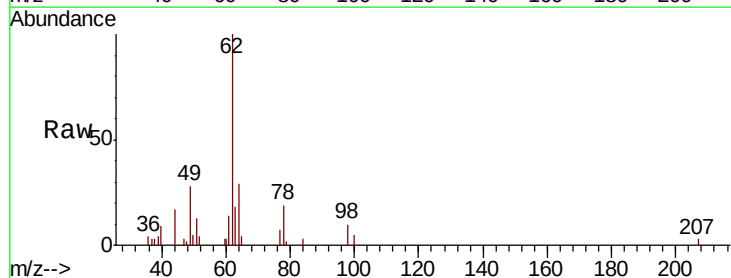
Instrument :
MSVOA_V
ClientSampled :

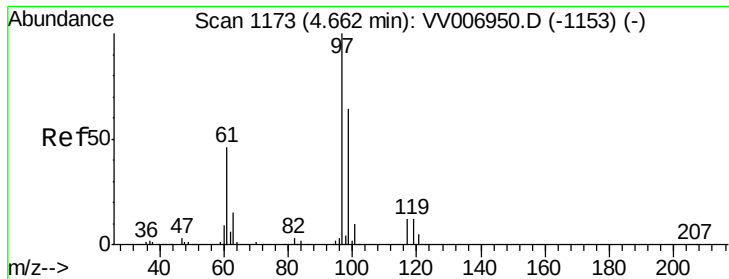
Tot Ion: 83 Resp: 24001
Ion Ratio Lower Upper
83 100
85 62.4 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.515 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

Tgt Ion: 62 Resp: 13810
Ion Ratio Lower Upper
62 100
98 10.2 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 0.550 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

Instrument :
MSVOA_V
ClientSampled :

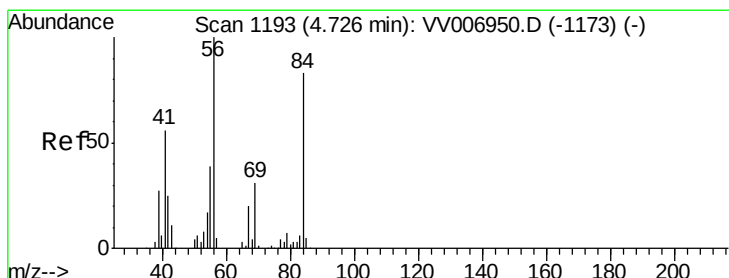
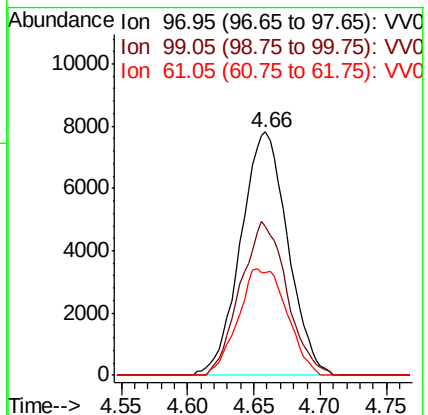
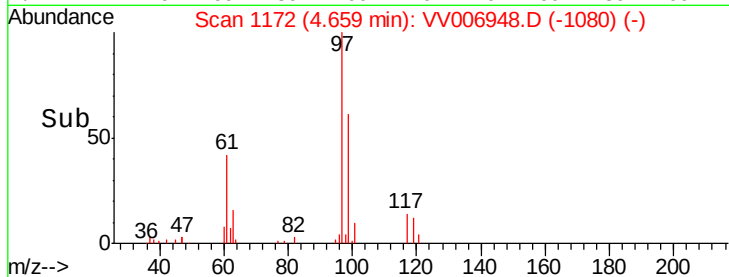
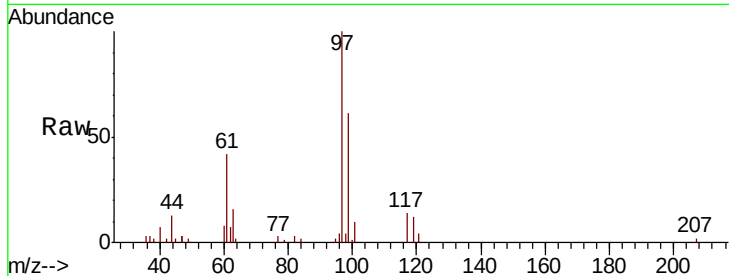
Tot Ion: 97 Resp: 19238

Ion Ratio Lower Upper

97 100

99 62.3 51.0 76.6

61 45.4 36.6 54.8



#30

Cyclohexane

Concen: 0.512 ug/L

RT: 4.72 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

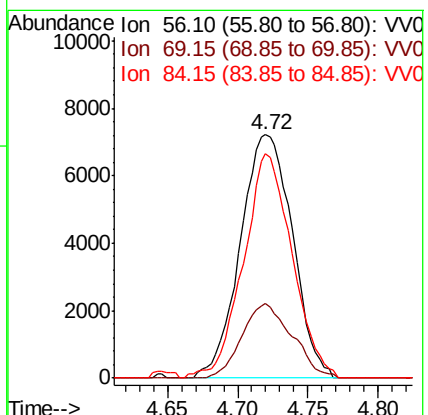
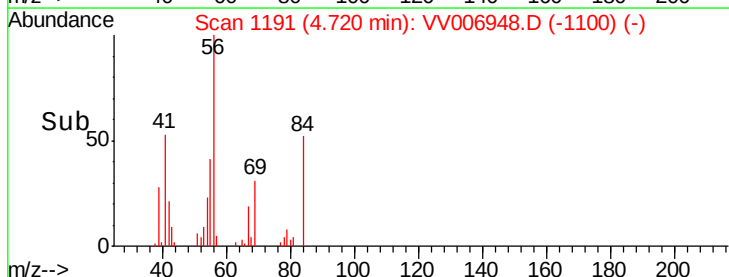
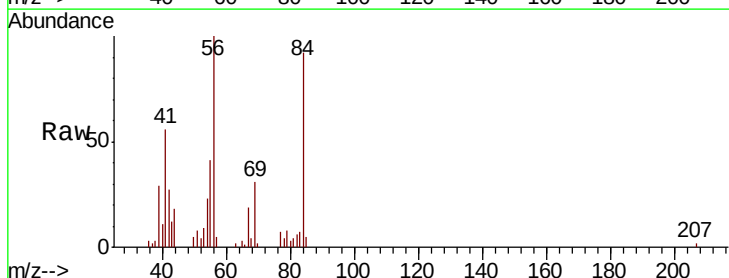
Tgt Ion: 56 Resp: 18615

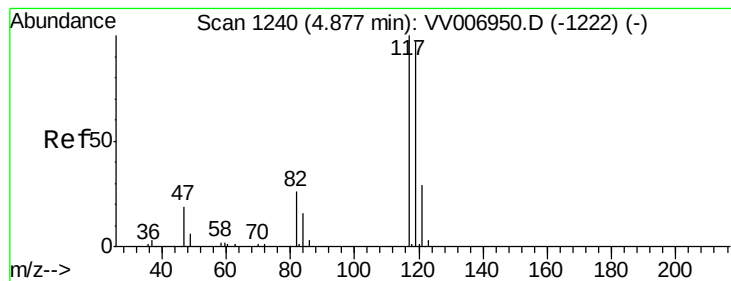
Ion Ratio Lower Upper

56 100

69 29.5 23.8 35.6

84 86.1 67.9 101.9





#31

Carbon tetrachloride

Concen: 0.519 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_V

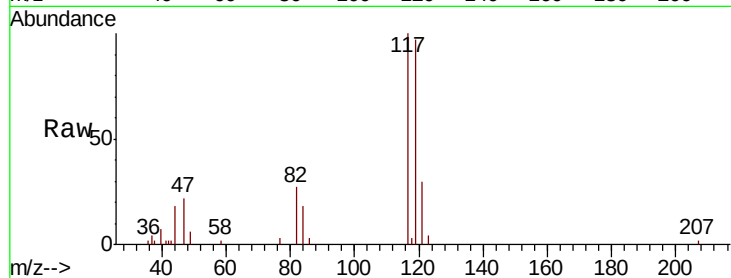
ClientSampleId :

Tot Ion:117 Resp: 15214

Ion Ratio Lower Upper

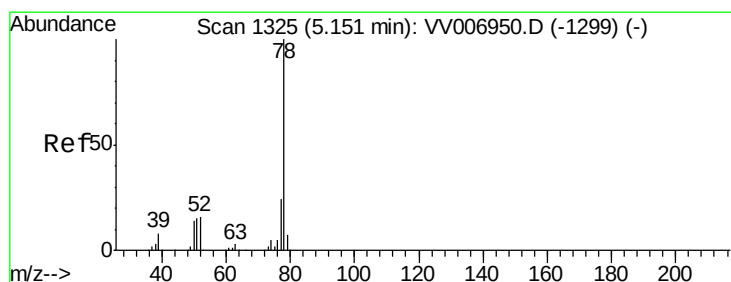
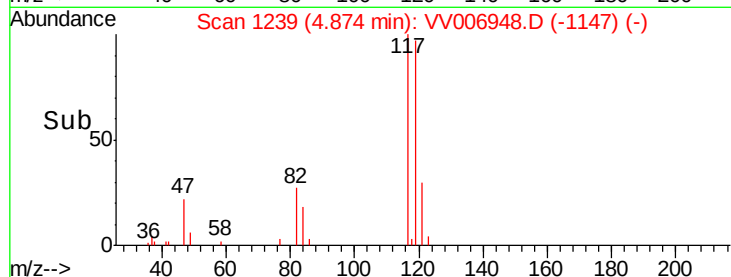
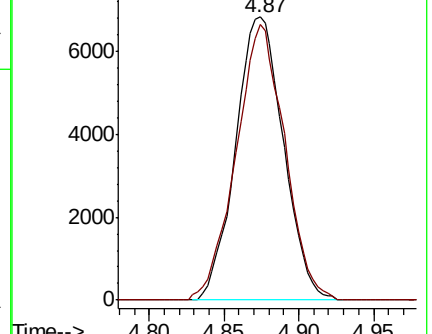
117 100

119 99.0 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.514 ug/L

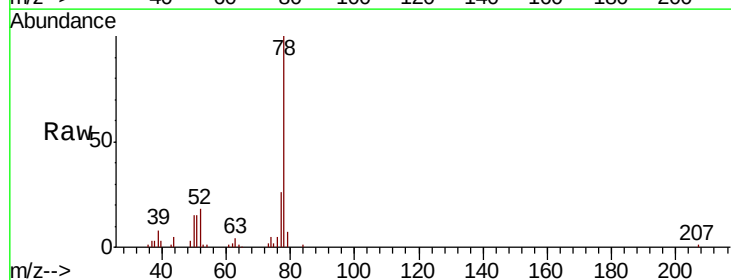
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

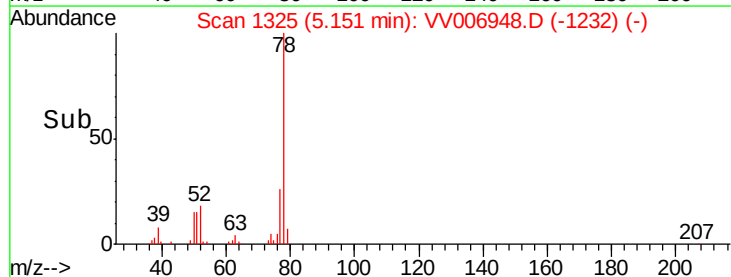
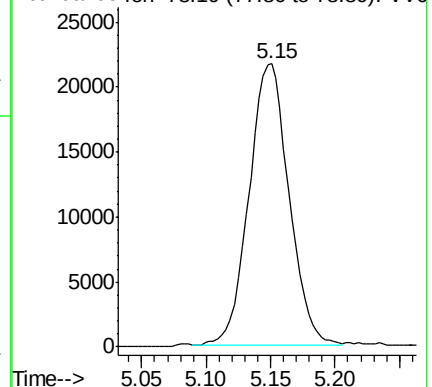
Lab File: VV006948.D

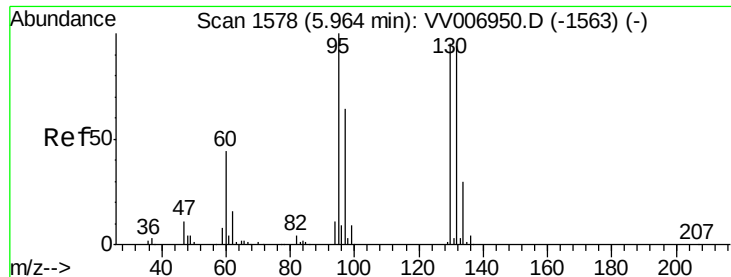
Acq: 09 Aug 2018 12:50

Tgt Ion: 78 Resp: 46649



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.536 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 11668

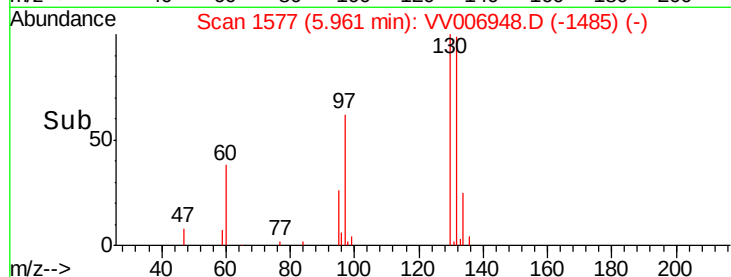
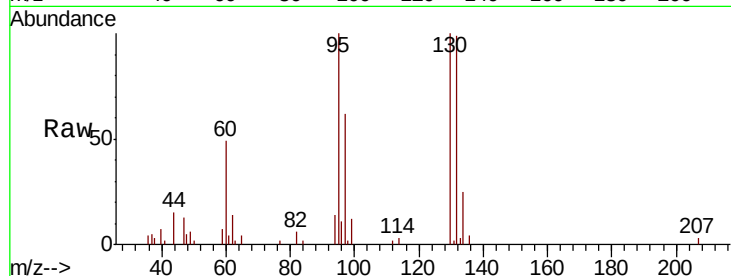
Ion Ratio Lower Upper

95 100

97 61.5 44.8 83.2

132 98.8 65.5 121.6

130 100.0 66.4 123.4

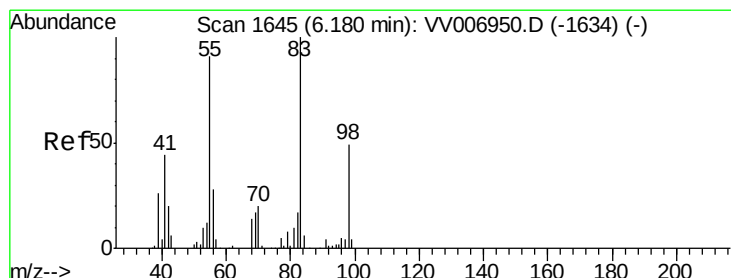
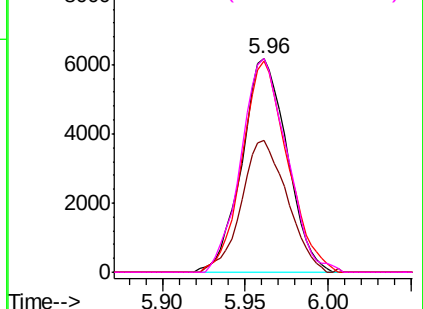


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.486 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

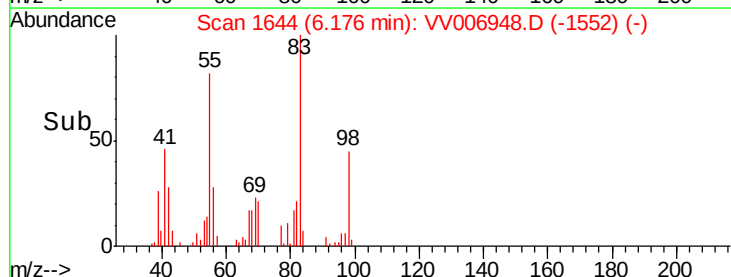
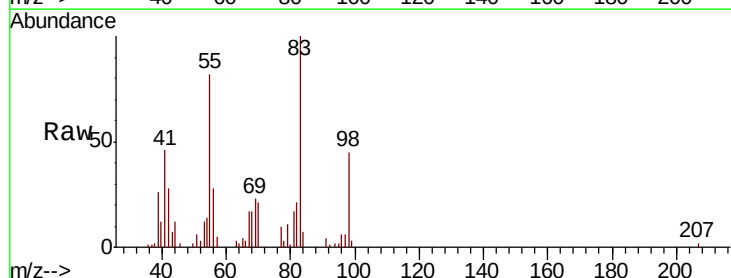
Tgt Ion: 83 Resp: 16980

Ion Ratio Lower Upper

83 100

55 85.5 68.1 102.1

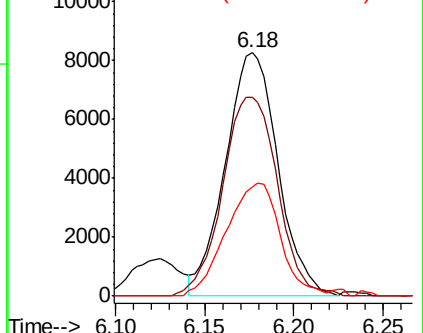
98 47.6 37.9 56.9

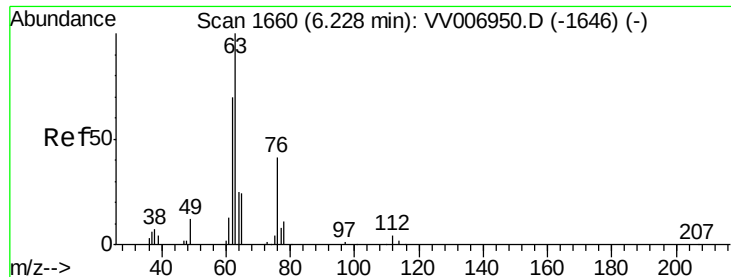


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

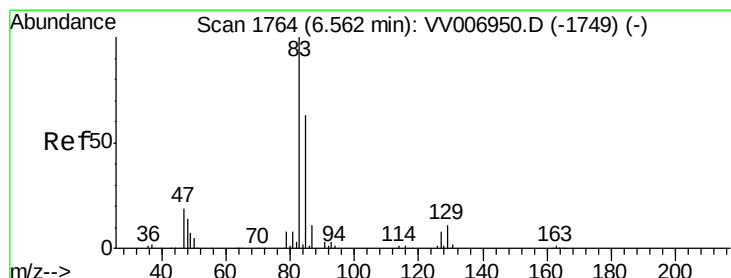
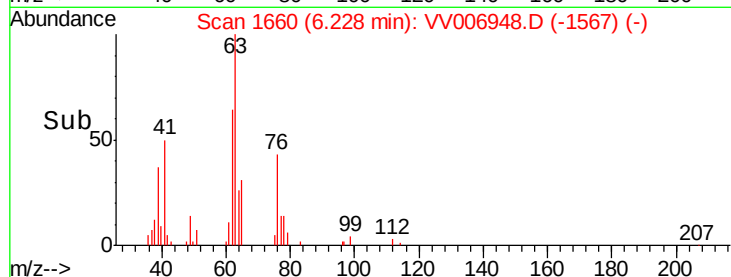
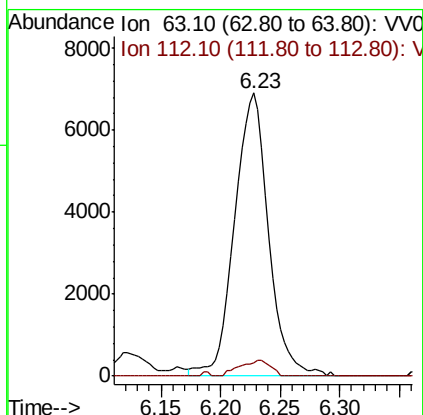
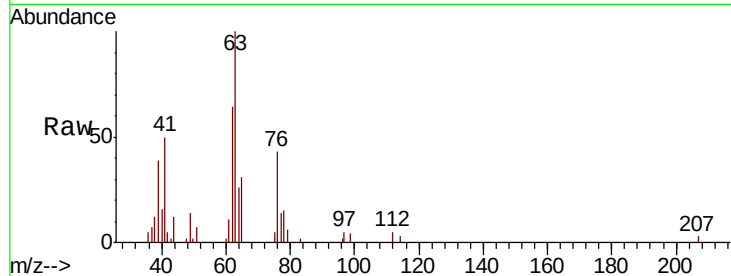




#37
 1,2-Dichloropropane
 Concen: 0.550 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

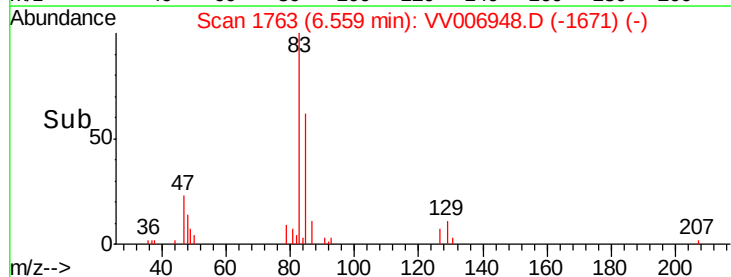
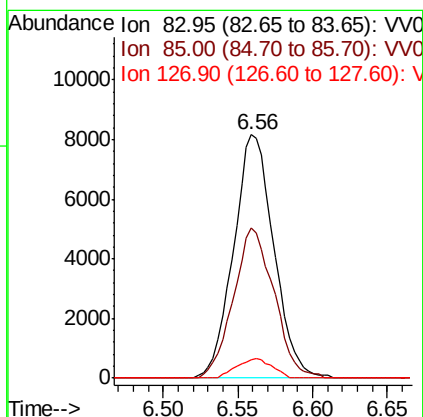
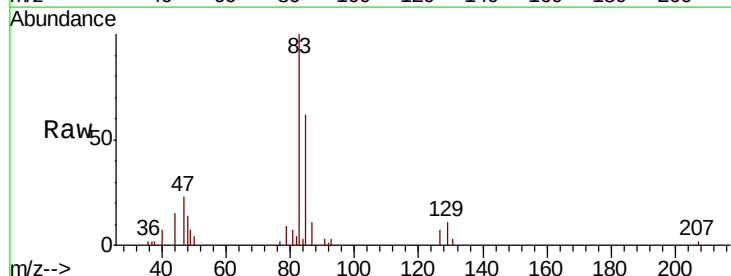
Instrument :
 MSVOA_V
 ClientSampleId :

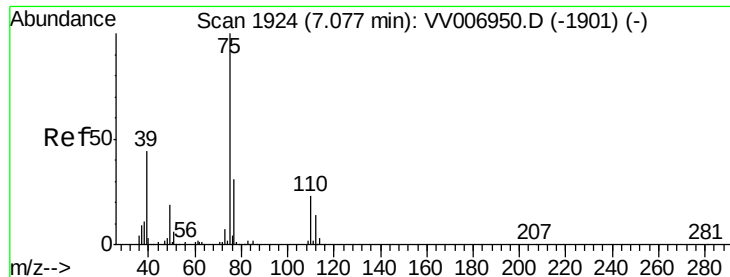
Tot Ion: 63 Resp: 13674
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 0.542 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Tgt Ion: 83 Resp: 15323
 Ion Ratio Lower Upper
 83 100
 85 61.8 43.8 81.4
 127 7.4 6.6 10.0

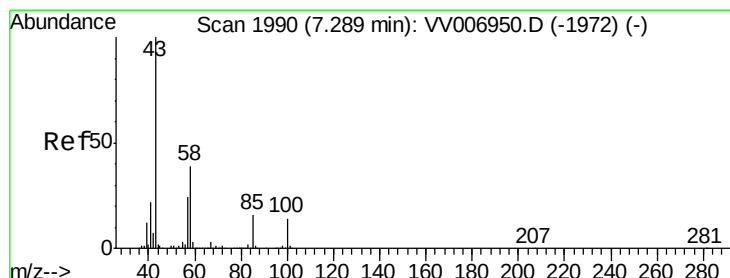
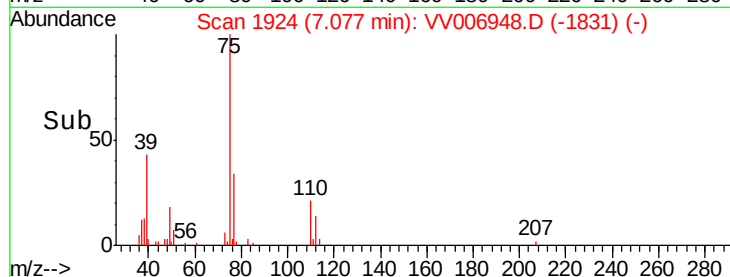
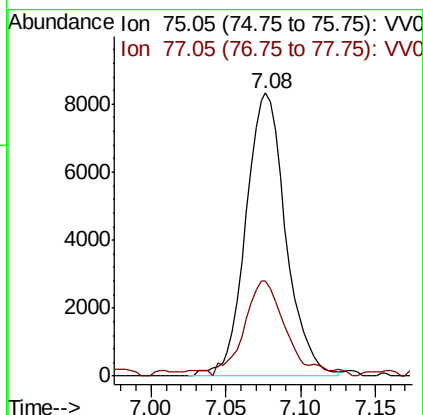
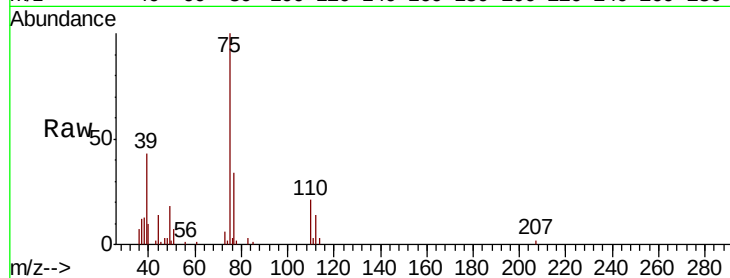




#39
 cis-1,3-Dichloropropene
 Concen: 0.515 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

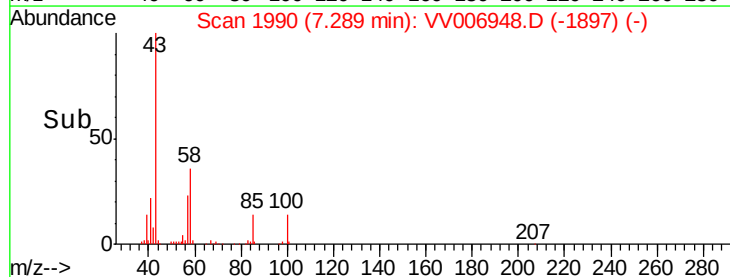
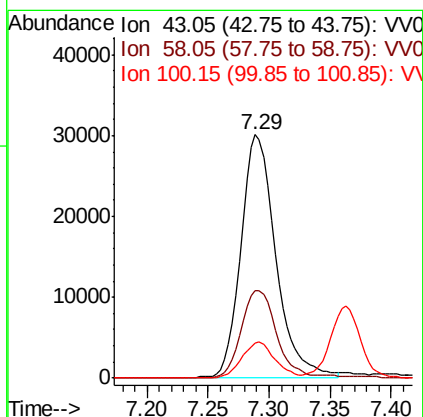
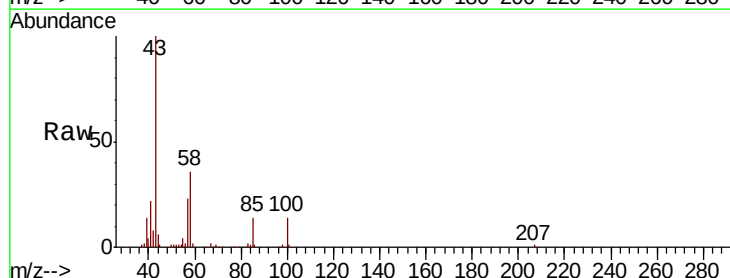
Instrument :
 MSVOA_V
 ClientSampleId :

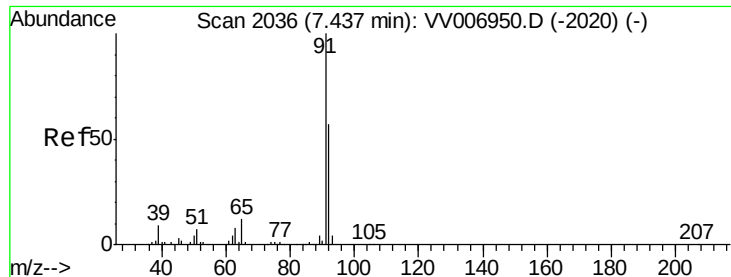
Tot Ion: 75 Resp: 15475
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 4.429 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Tgt Ion: 43 Resp: 59482
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.7 46.1
 100 13.9 11.2 16.8





#42

Toluene

Concen: 0.470 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

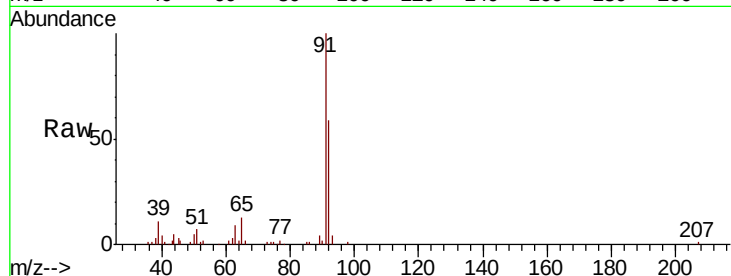
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 40999

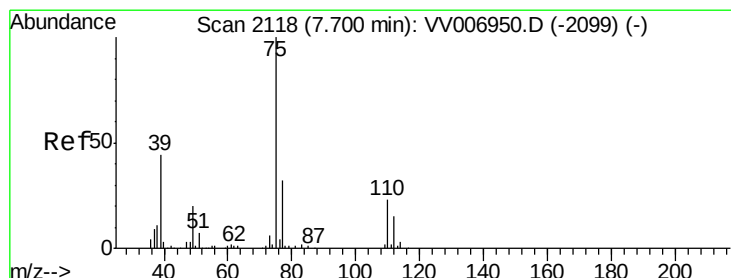
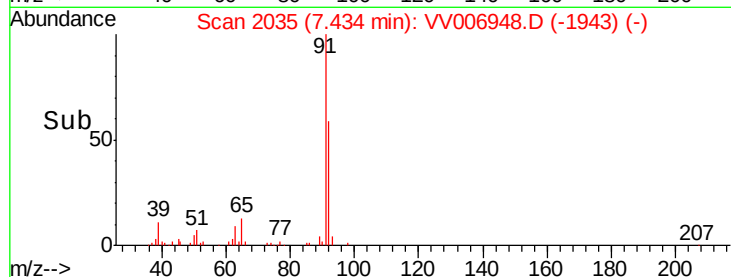
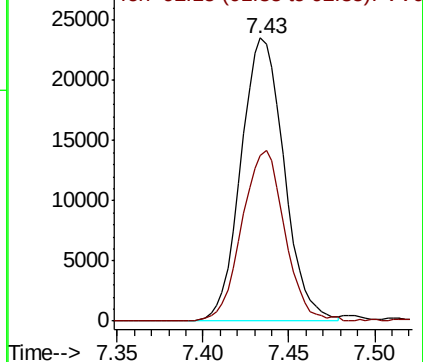
Ion Ratio Lower Upper

91 100

92 58.7 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.468 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006948.D

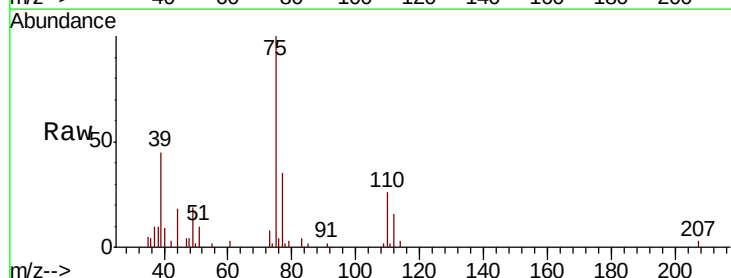
Acq: 09 Aug 2018 12:50

Tgt Ion: 75 Resp: 11543

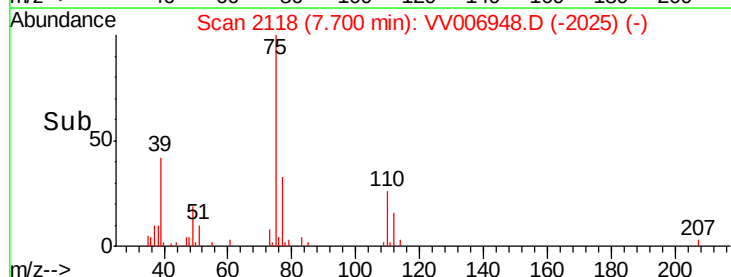
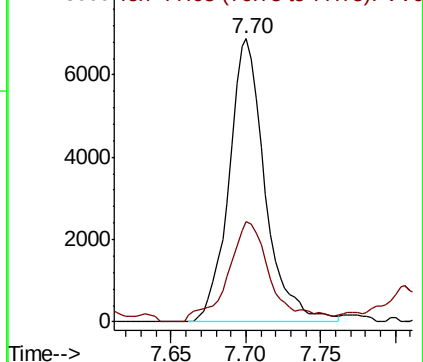
Ion Ratio Lower Upper

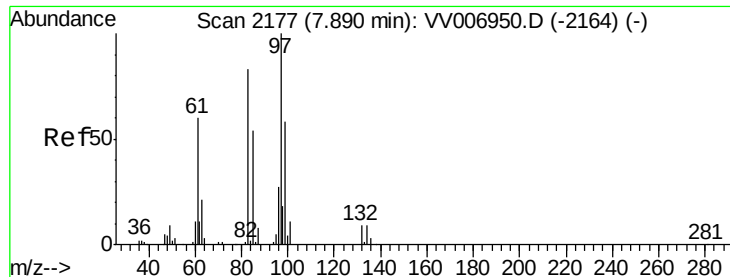
75 100

77 35.4 22.3 41.3



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

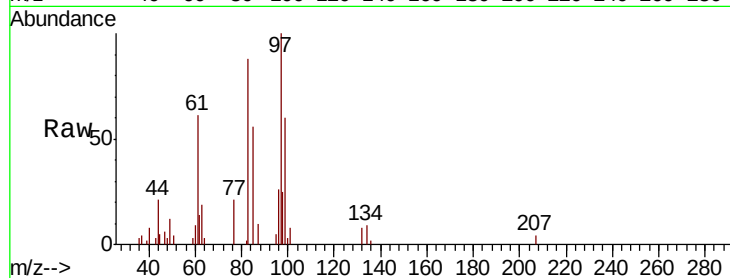




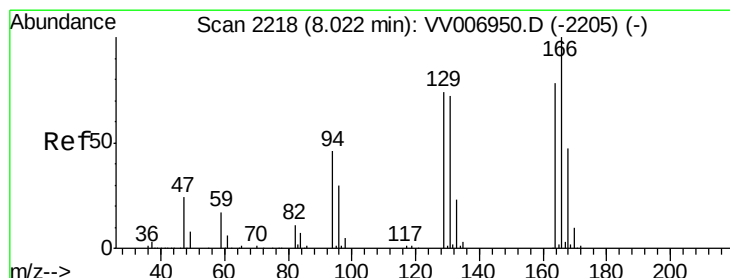
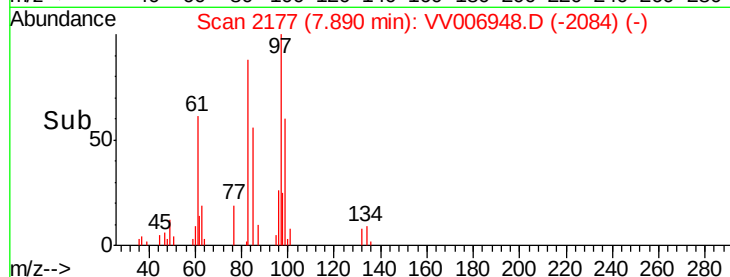
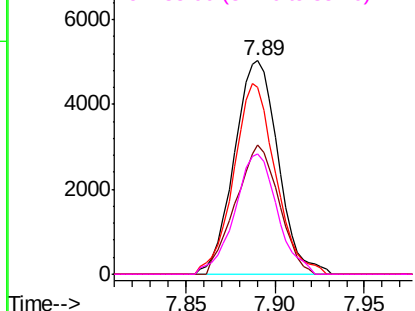
#45
 1,1,2-Trichloroethane
 Concen: 0.531 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	8594
Ion	Ratio	Lower	Upper
97	100		
99	60.3	40.6	75.4
83	87.8	58.0	107.8
85	56.5	37.5	69.7

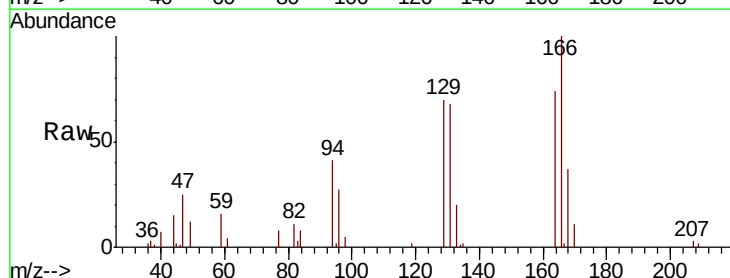


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

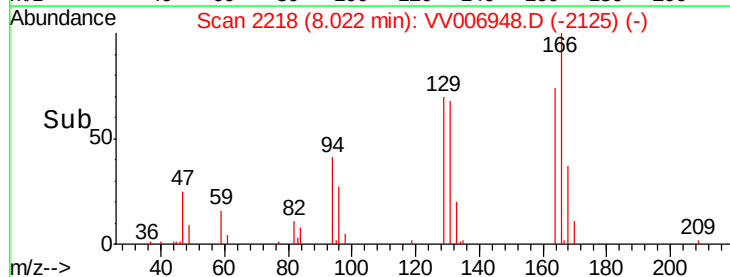
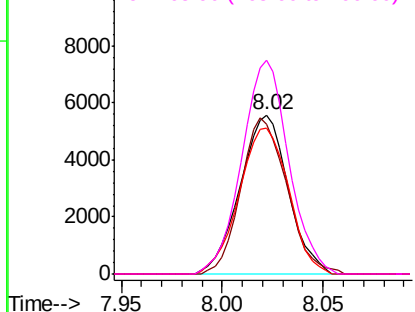


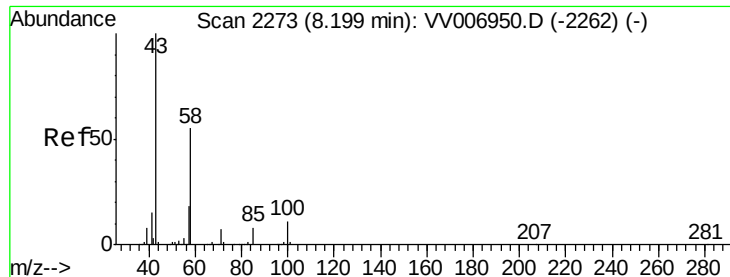
#47
 Tetrachloroethene
 Concen: 0.528 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Tgt Ion:	164	Resp:	9324
Ion	Ratio	Lower	Upper
164	100		
129	94.5	65.9	122.3
131	91.9	64.2	119.2
166	134.4	89.4	166.0



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

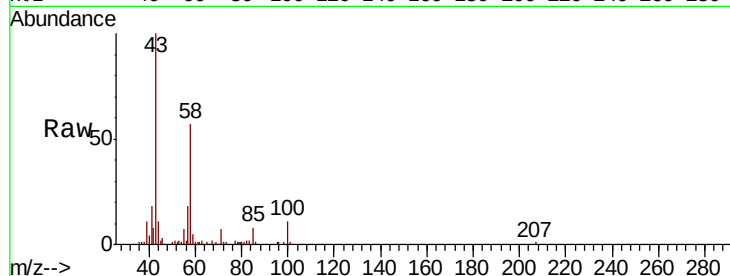




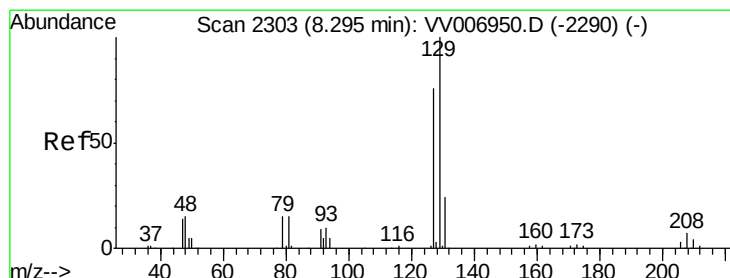
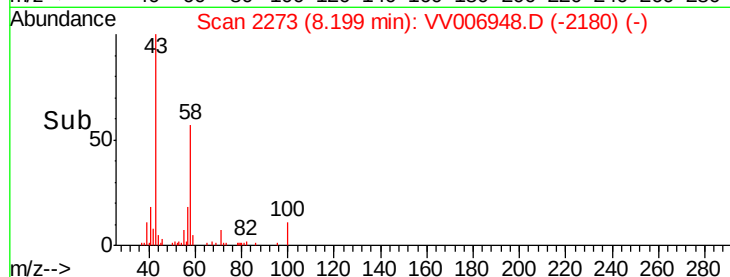
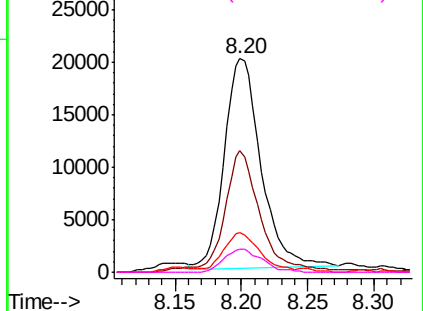
#48
2-Hexanone
Concen: 4.078 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	38631
Ion	Ratio	Lower	Upper
43	100		
58	57.4	44.2	66.2
57	18.7	14.8	22.2
100	11.4	8.8	13.2

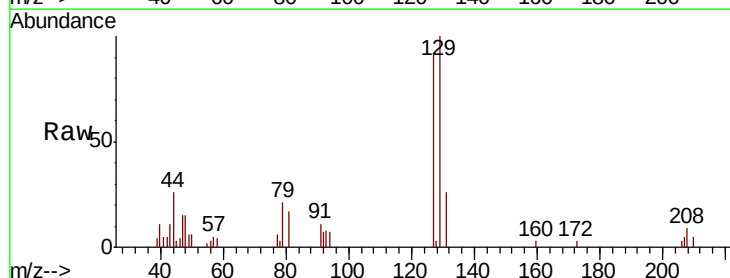


Abundance Ion 43.05 (42.75 to 43.75): VV006948.D (-2180) (-)
Ion 58.05 (57.75 to 58.75): VV006948.D (-2180) (-)
Ion 57.20 (56.90 to 57.90): VV006948.D (-2180) (-)
Ion 100.15 (99.85 to 100.85): VV006948.D (-2180) (-)

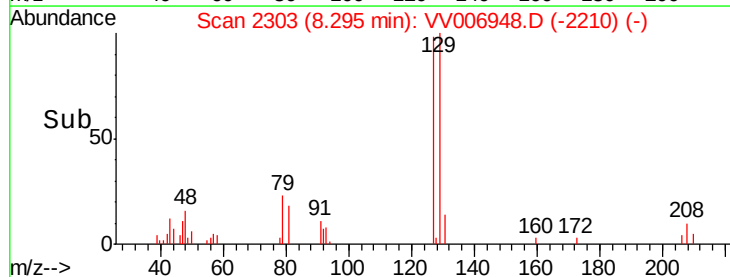
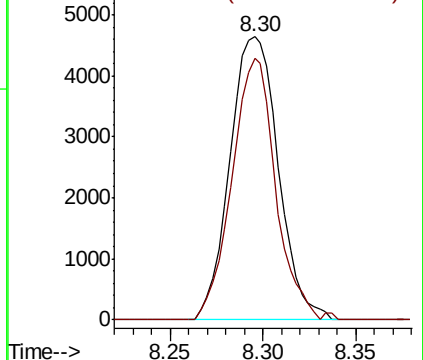


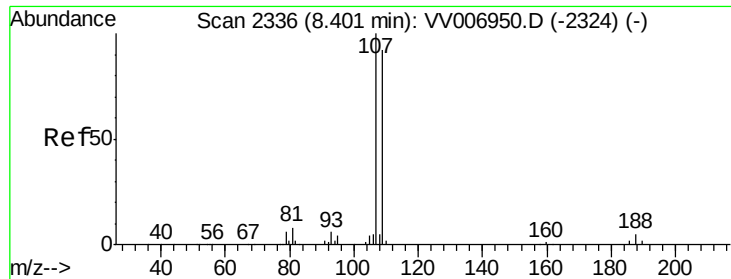
#49
Dibromochloromethane
Concen: 0.496 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

Tgt Ion:	129	Resp:	8411
Ion	Ratio	Lower	Upper
129	100		
127	92.2	53.3	98.9



Abundance Ion 128.95 (128.65 to 129.65): VV006948.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV006948.D (-2210) (-)

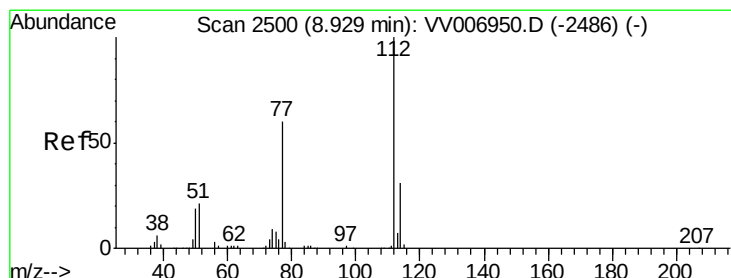
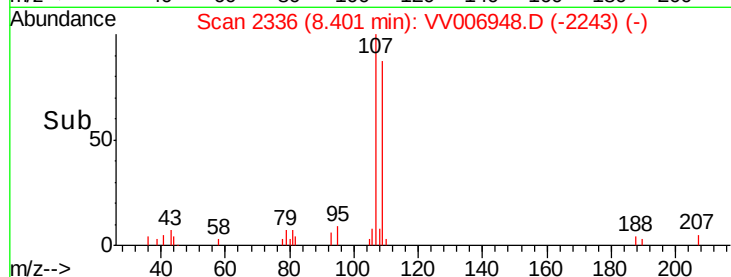
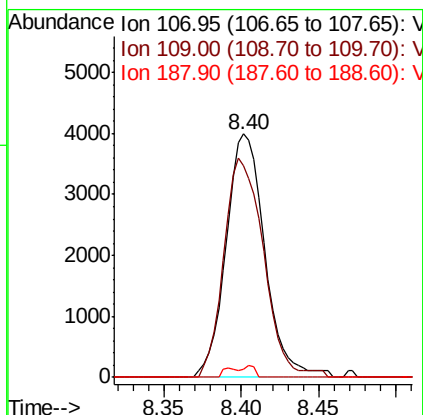
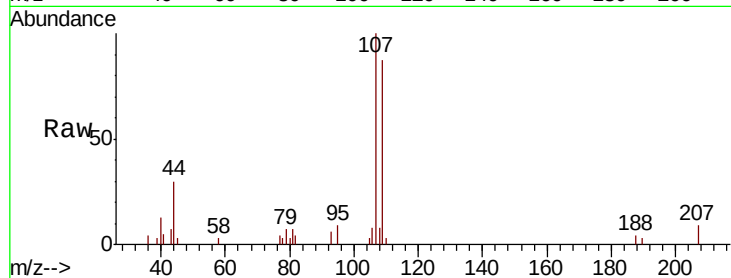




#50
 1,2-Dibromoethane
 Concen: 0.507 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

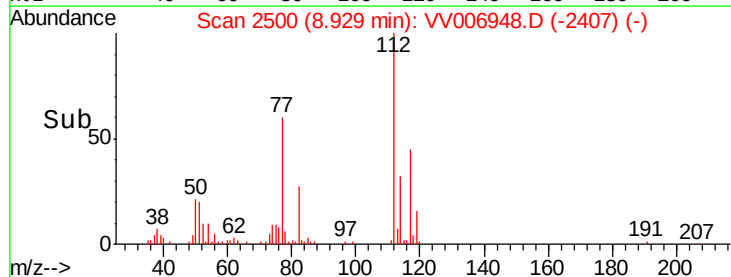
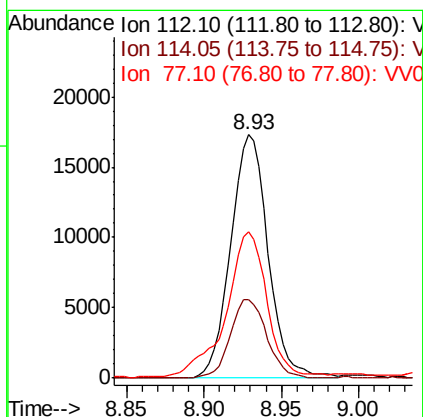
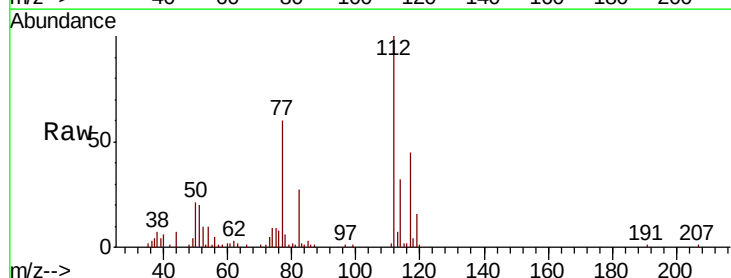
Instrument :
 MSVOA_V
 ClientSampled :

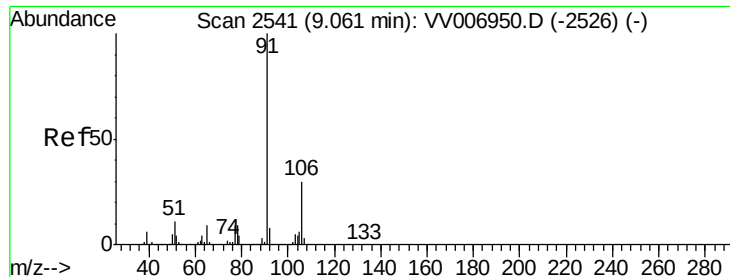
Tot Ion:107 Resp: 6922
 Ion Ratio Lower Upper
 107 100
 109 87.0 64.1 119.1
 188 3.5 4.0 6.0#



#51
 Chlorobenzene
 Concen: 0.522 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Tgt Ion:112 Resp: 29040
 Ion Ratio Lower Upper
 112 100
 114 32.4 21.8 40.6
 77 60.3 48.0 72.0





#52

Ethylbenzene

Concen: 0.465 ug/L

RT: 9.06 min Scan# 2540

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_V

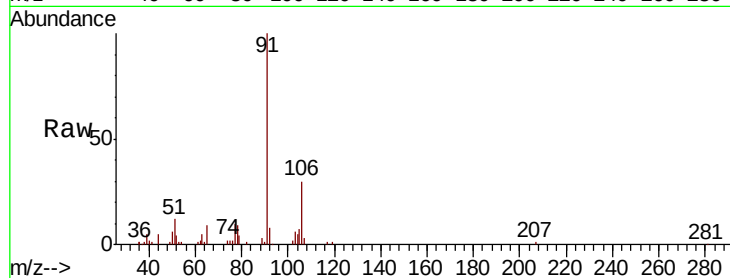
ClientSampleId :

Tot Ion: 91 Resp: 40514

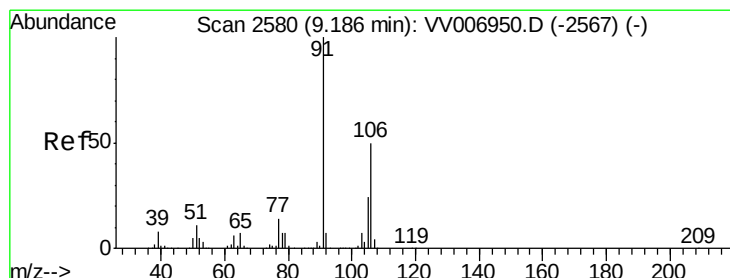
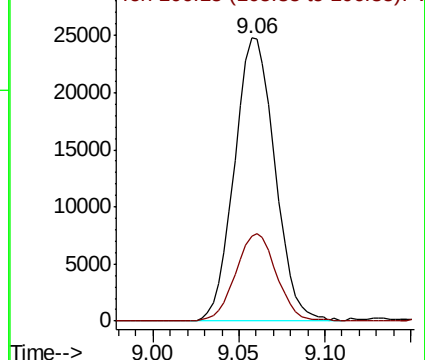
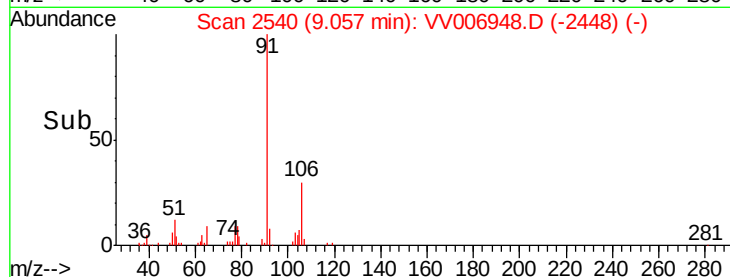
Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV006948.D (-2448) (-)



#53

m,p-xylene

Concen: 0.457 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006948.D

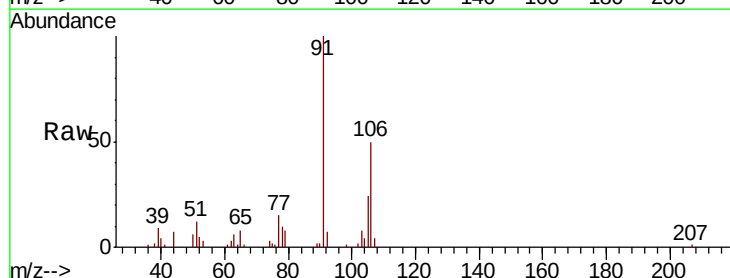
Acq: 09 Aug 2018 12:50

Tgt Ion: 106 Resp: 14848

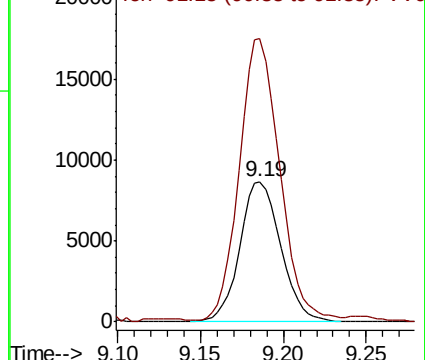
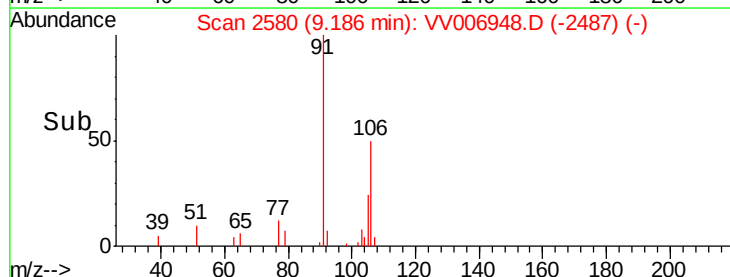
Ion Ratio Lower Upper

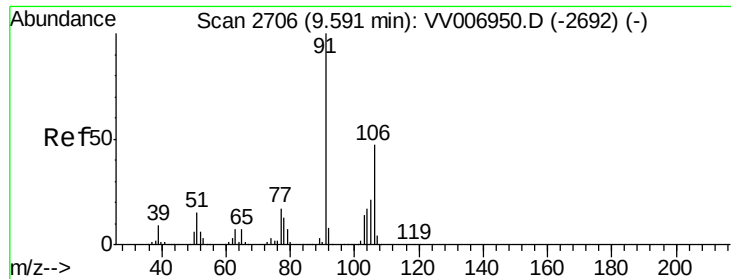
106 100

91 201.7 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV006948.D (-2487) (-)





#54

o-xylene

Concen: 0.452 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_V

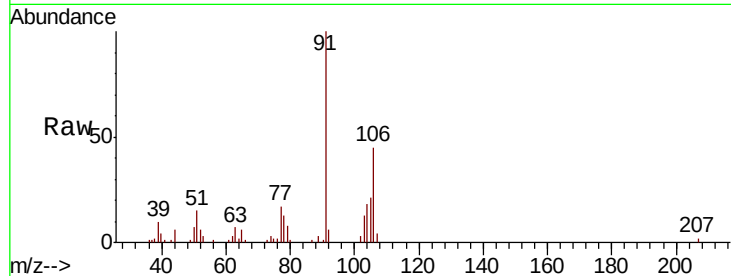
ClientSampleId :

Tot Ion:106 Resp: 13924

Ion Ratio Lower Upper

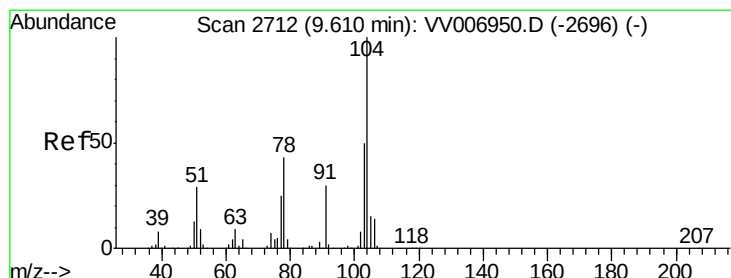
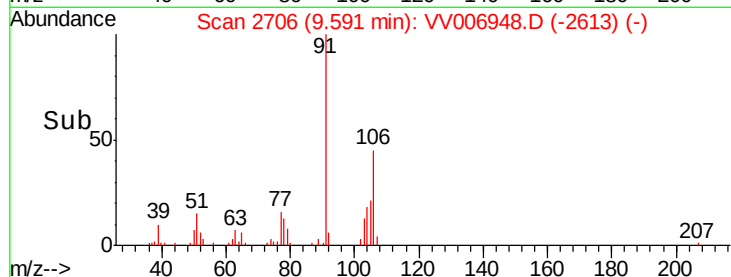
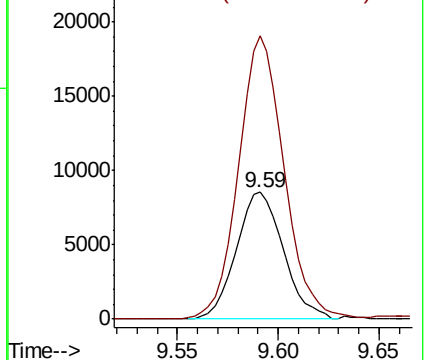
106 100

91 223.1 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.402 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV006948.D

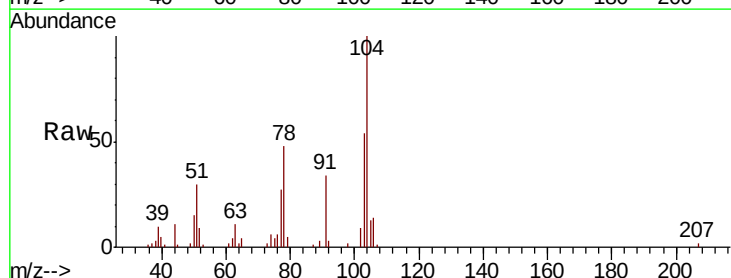
Acq: 09 Aug 2018 12:50

Tgt Ion:104 Resp: 20874

Ion Ratio Lower Upper

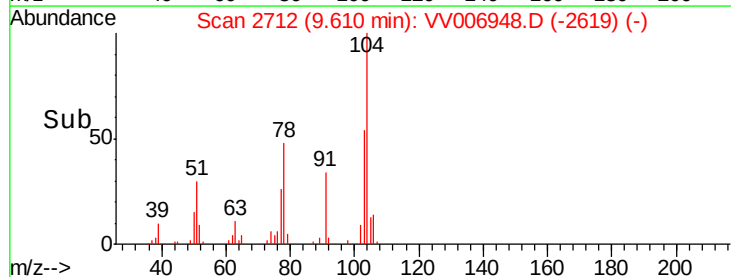
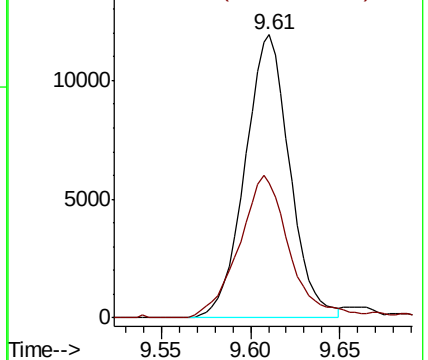
104 100

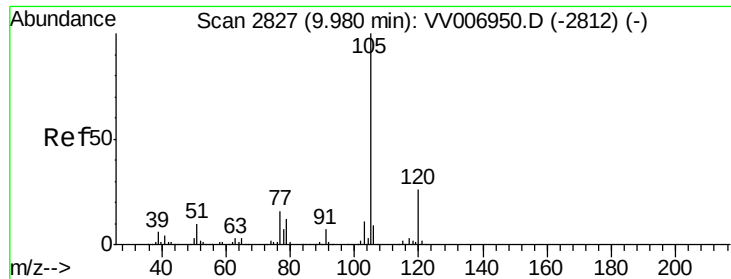
78 47.7 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

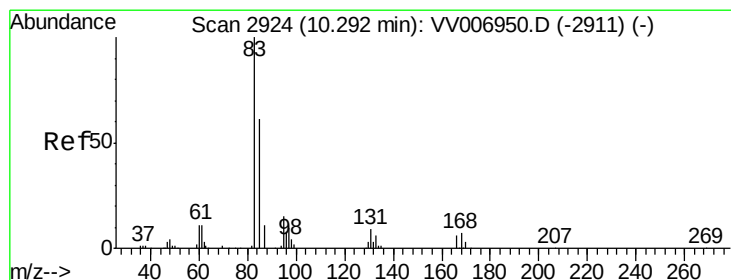
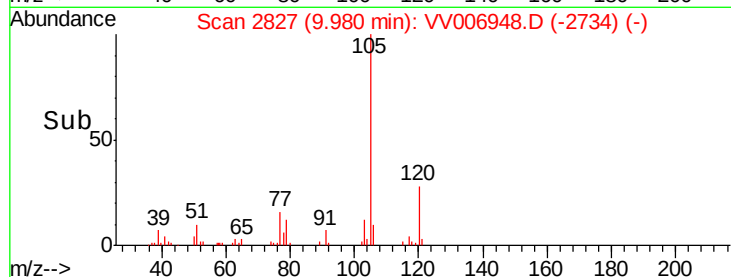
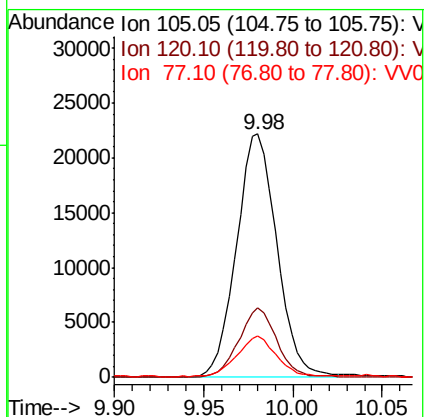
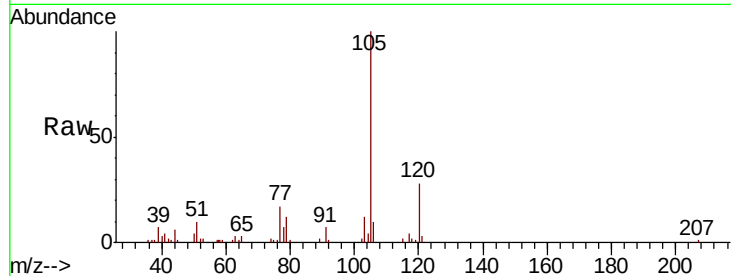




#56
Isopropylbenzene
Concen: 0.434 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. -0.00 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

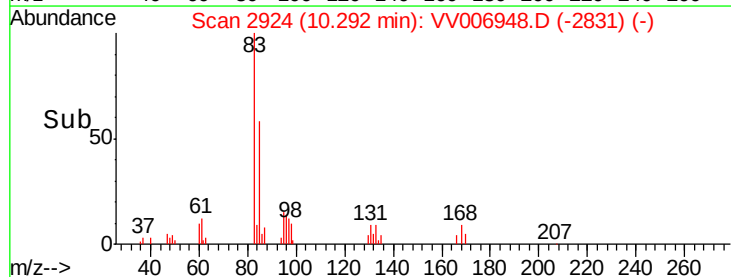
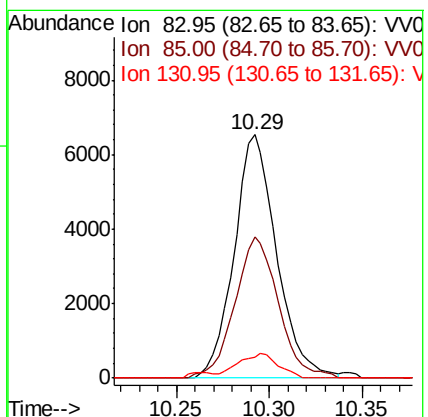
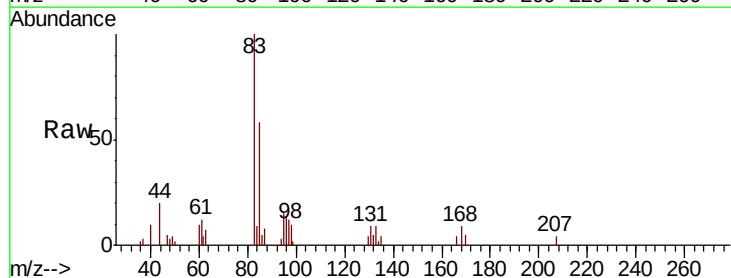
Instrument :
MSVOA_V
ClientSampleId :

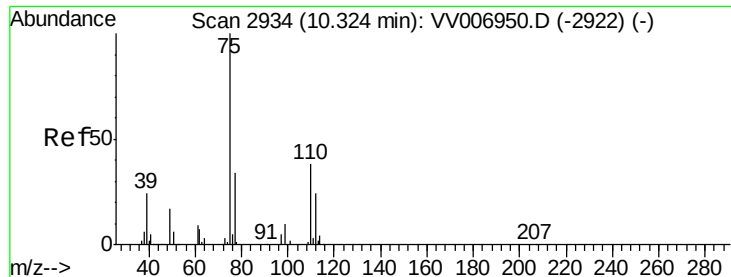
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.1	31.7
77	17.1	13.0	19.4



#58
1,1,2,2-Tetrachloroethane
Concen: 0.528 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VV006948.D
Acq: 09 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.2	43.0	79.8
131	8.8	7.4	11.2





#59

1,2,3-Trichloropropane

Concen: 0.485 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_V

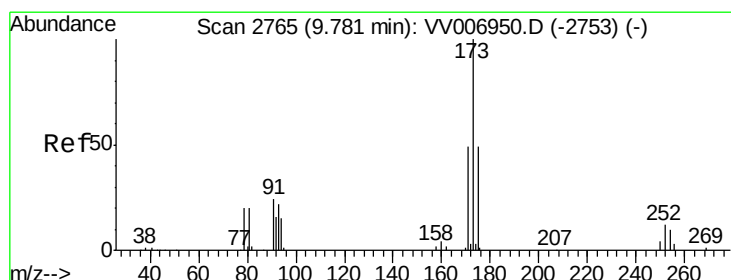
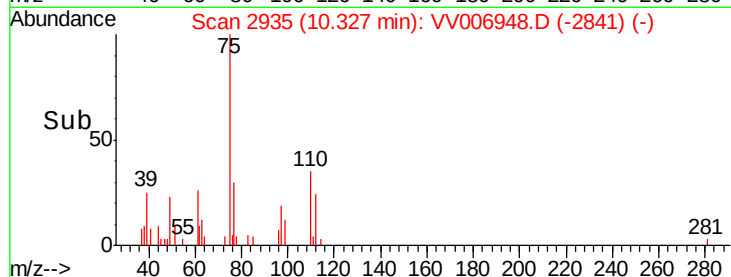
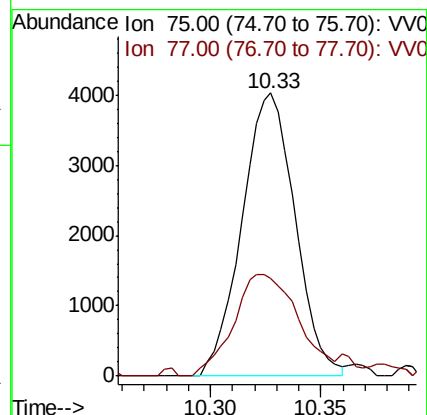
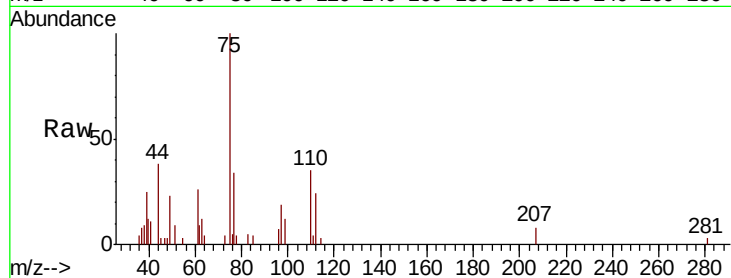
ClientSampleId :

Tot Ion: 75 Resp: 6753

Ion Ratio Lower Upper

75 100

77 43.8 25.4 38.0#



#61

Bromoform

Concen: 0.557 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

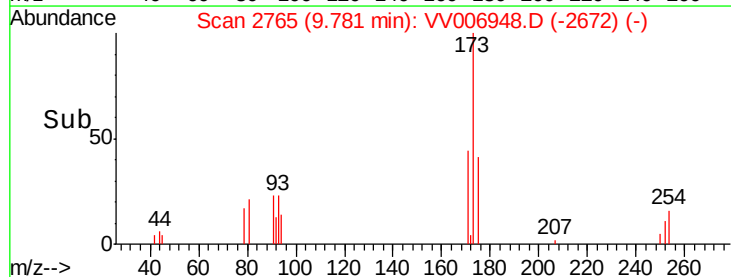
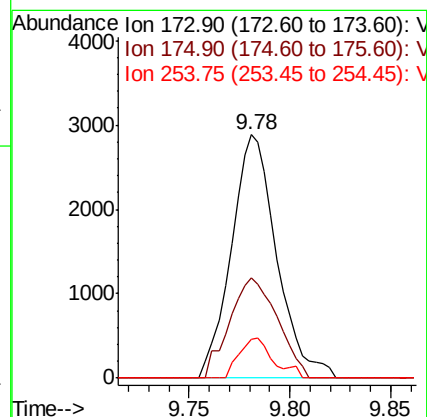
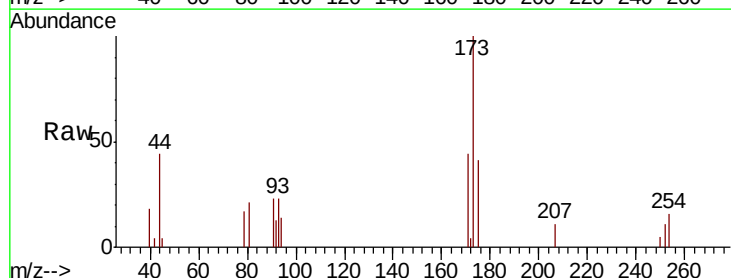
Tgt Ion: 173 Resp: 4528

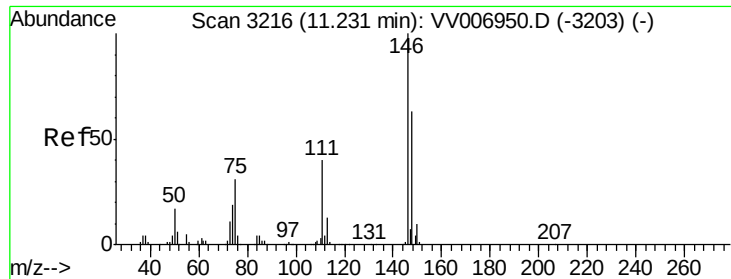
Ion Ratio Lower Upper

173 100

175 43.6 39.3 58.9

254 12.3 8.3 12.5

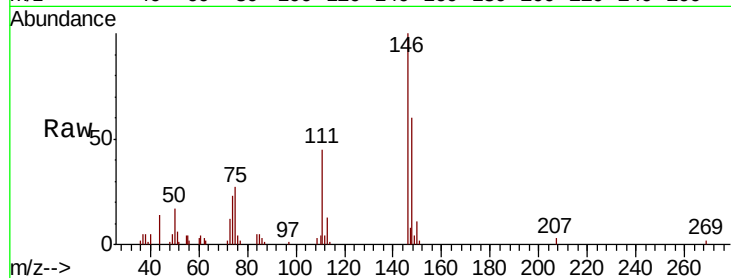




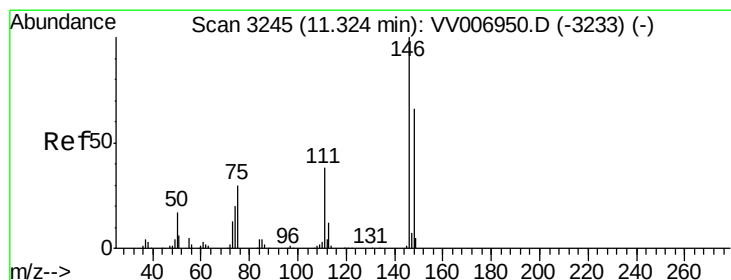
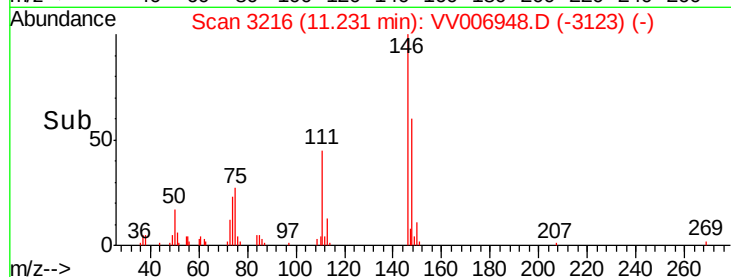
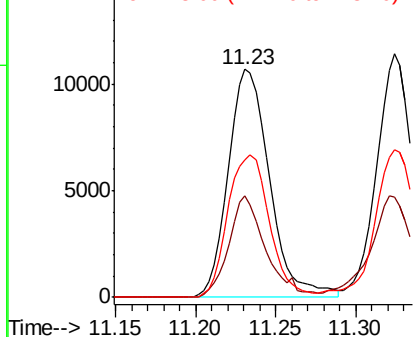
#62
 1,3-Dichlorobenzene
 Concen: 0.543 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	28.1	52.3
148	60.3	44.2	82.2

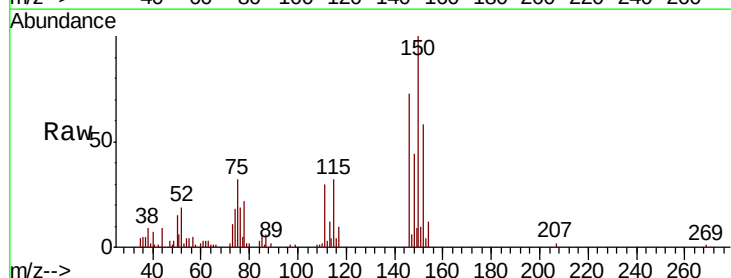


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

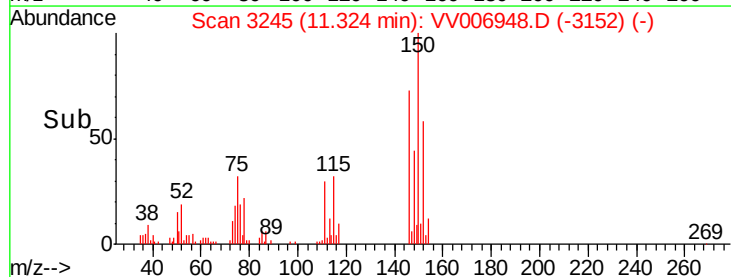
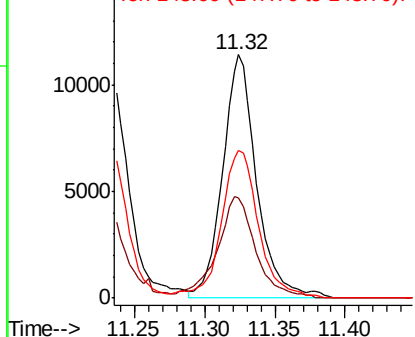


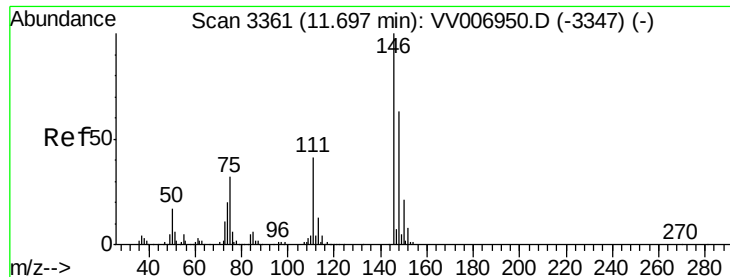
#63
 1,4-Dichlorobenzene
 Concen: 0.537 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	26.6	49.4
148	60.7	46.4	86.2



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

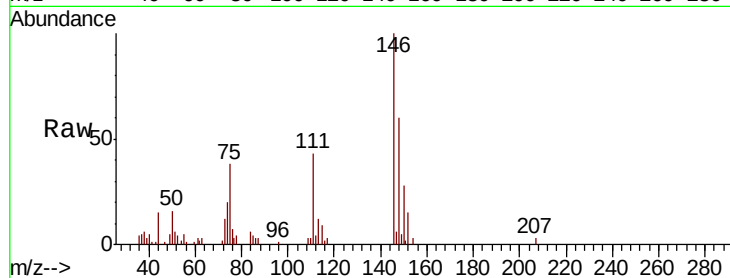




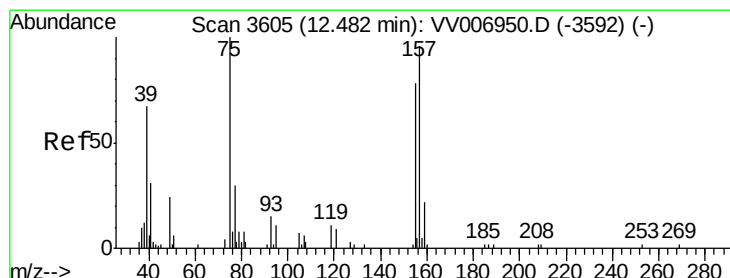
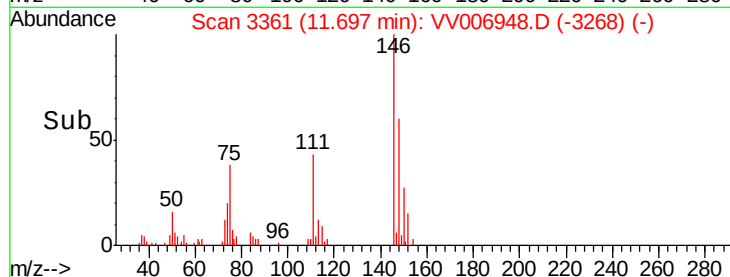
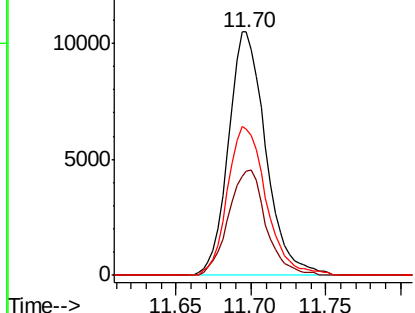
#65
 1,2-Dichlorobenzene
 Concen: 0.533 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	33.0	49.6
148	60.4	50.6	75.8

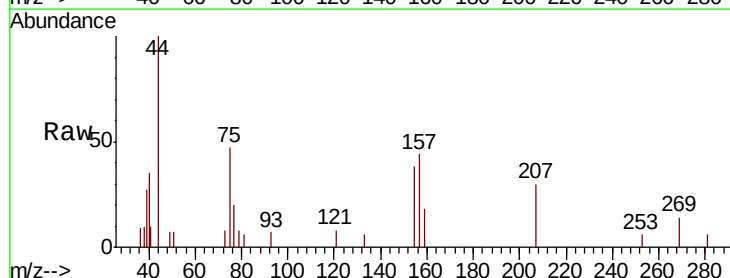


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

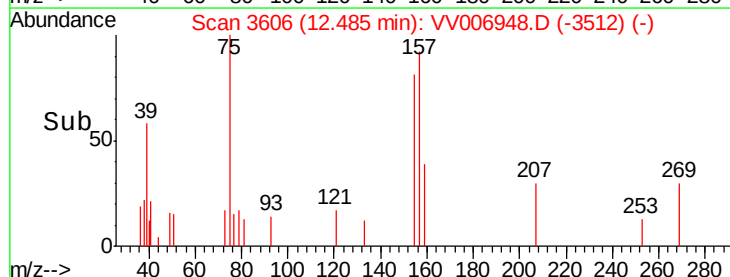
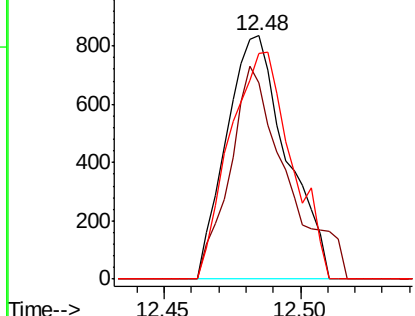


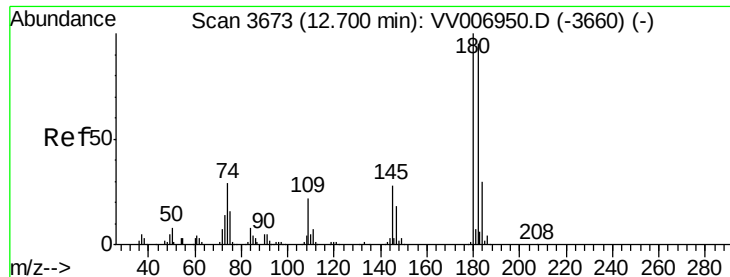
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.529 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	62.6	94.0
157	92.5	77.0	115.6



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

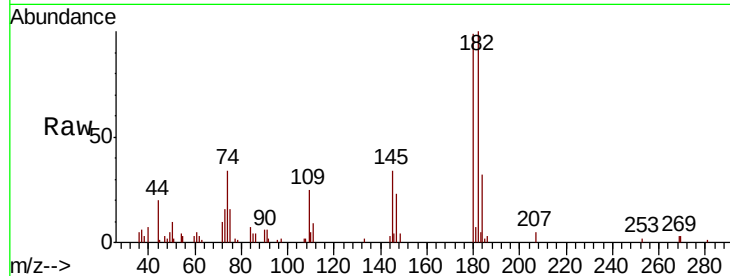




#67
 1,3,5-Trichlorobenzene
 Concen: 0.512 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	13470
Ion Ratio	Lower	Upper
180	100	
182	97.3	75.1 112.7
184	32.4	23.8 35.8
145	29.6	21.9 32.9



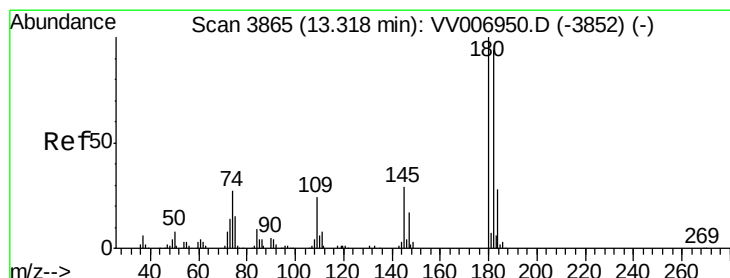
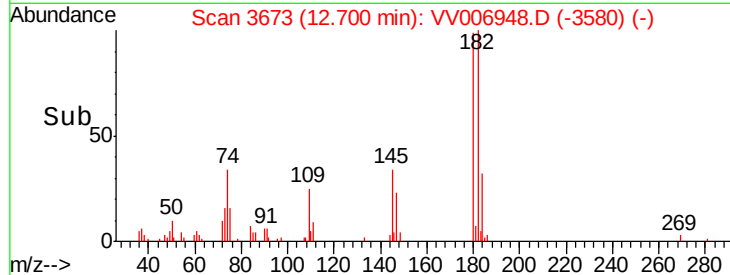
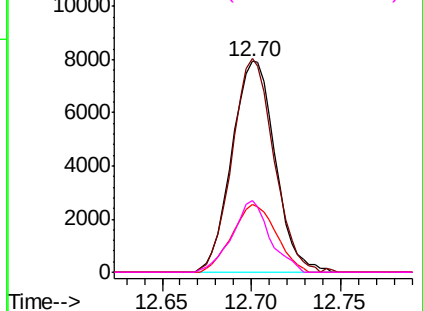
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

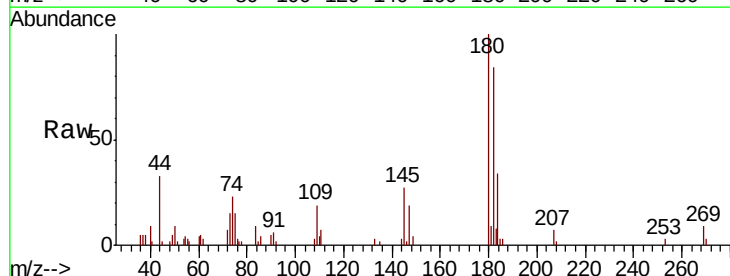
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.495 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006948.D
 Acq: 09 Aug 2018 12:50

Tgt Ion:180	Resp:	9555
Ion Ratio	Lower	Upper
180	100	
182	87.1	76.5 114.7
145	27.7	23.6 35.4

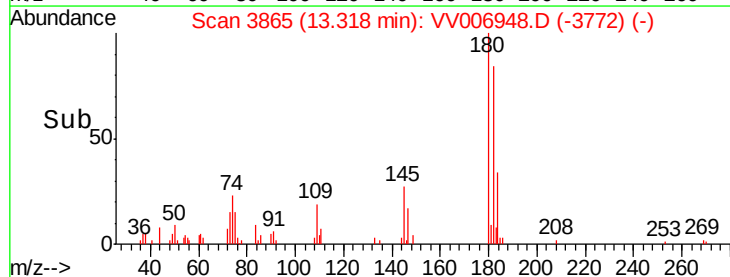
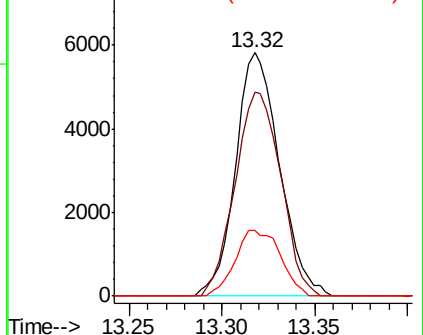


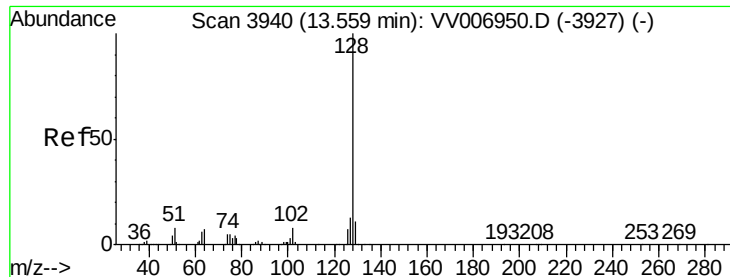
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.444 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

Instrument :

MSVOA_V

ClientSampleId :

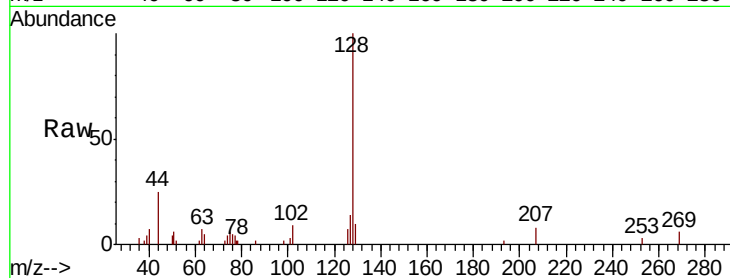
Tot Ion:128 Resp: 12317

Ion Ratio Lower Upper

128 100

129 9.6 8.5 12.7

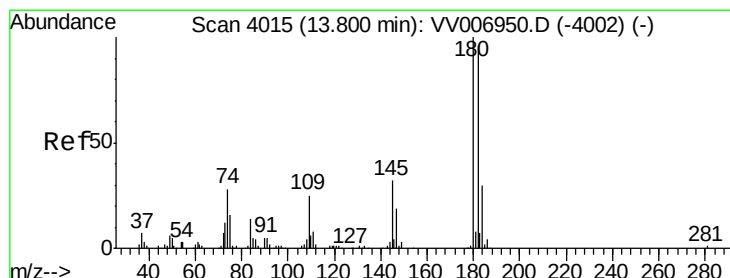
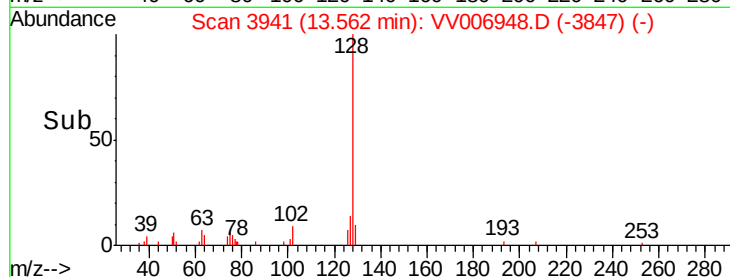
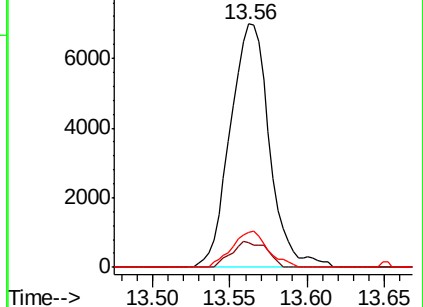
127 13.5 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.470 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006948.D

Acq: 09 Aug 2018 12:50

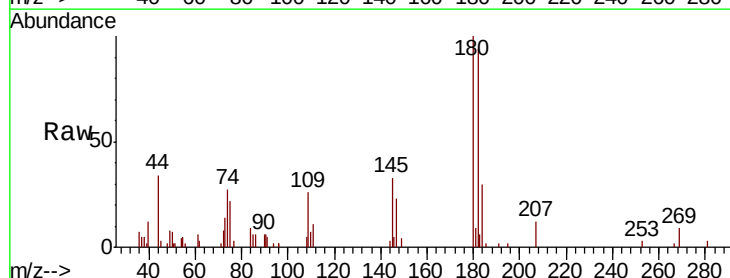
Tgt Ion:180 Resp: 8754

Ion Ratio Lower Upper

180 100

182 99.9 76.1 114.1

145 33.6 24.6 36.8



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

