

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080718\
 Data File : VV006903.D
 Acq On : 07 Aug 2018 17:42
 Operator : SY/MD
 Sample : VSTD01068
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 06:41:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 08 06:39:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	195063	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	183762	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	83795	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	121844	9.32	ug/L	0.00
7) Chloroethane-d5	1.58	69	111616	9.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	239067	9.69	ug/L	0.00
20) 2-Butanone-d5	3.97	46	401025	118.62	ug/L	0.00
24) Chloroform-d	4.41	84	252701	10.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	137062	11.28	ug/L	0.00
32) Benzene-d6	5.10	84	485694	10.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	170791	10.48	ug/L	0.00
41) Toluene-d8	7.37	98	431930	9.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	56912	9.84	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	260690	103.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	129248	10.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	139091	9.26	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	160682	10.197 ug/L	99
3) Chloromethane	1.25	50	193706	8.527 ug/L	100
5) Vinyl chloride	1.32	62	185810	10.400 ug/L	100
6) Bromomethane	1.54	94	43928	9.898 ug/L	98
8) Chloroethane	1.60	64	114615	9.723 ug/L	99
9) Trichlorofluoromethane	1.77	101	225656	10.398 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	135479	9.999 ug/L	98
12) 1,1-Dichloroethene	2.14	96	124931	9.948 ug/L	85
13) Acetone	2.21	43	235060	99.787 ug/L	97
14) Carbon disulfide	2.32	76	397839	10.497 ug/L	98
15) Methyl Acetate	2.47	43	65507	9.361 ug/L	99
16) Methylene chloride	2.54	84	143932	9.479 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	339385	10.024 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	138922	10.116 ug/L	94
19) 1,1-Dichloroethane	3.23	63	271721	10.507 ug/L	100
21) 2-Butanone	4.06	43	419906	113.827 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	142101	9.772 ug/L	96
23) Bromochloromethane	4.31	128	59807	9.468 ug/L	98
25) Chloroform	4.43	83	264202	10.443 ug/L	96
27) 1,2-Dichloroethane	5.19	62	170744	10.981 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	218667	10.125 ug/L	100
30) Cyclohexane	4.73	56	230440	10.473 ug/L	97
31) Carbon tetrachloride	4.88	117	184488	10.324 ug/L	98
33) Benzene	5.15	78	582851	10.221 ug/L	100
34) Trichloroethene	5.96	95	132328	9.250 ug/L	99
35) Methylcyclohexane	6.18	83	217131	9.670 ug/L	97
37) 1,2-Dichloropropane	6.23	63	159581	10.615 ug/L	100
38) Bromodichloromethane	6.56	83	180582	10.479 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	193622	10.147 ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	971413	114.986 ug/L	98

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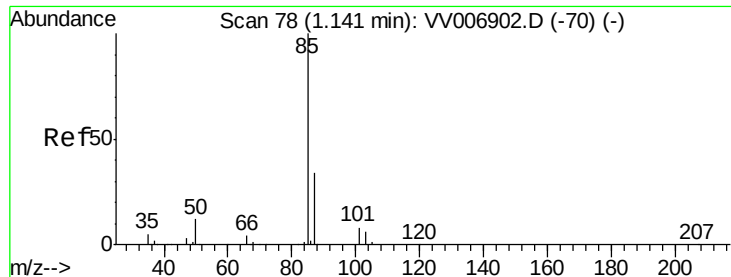
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 06:41:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.44	91	582669	10.459	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	161828	10.214	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	100555	9.411	ug/L	98
47) Tetrachloroethene	8.02	164	104041	9.264	ug/L	97
48) 2-Hexanone	8.20	43	712249	122.864	ug/L	98
49) Dibromochloromethane	8.30	129	110135	10.117	ug/L	96
50) 1,2-Dibromoethane	8.40	107	87263	9.683	ug/L	98
51) Chlorobenzene	8.93	112	340645	9.672	ug/L	99
52) Ethylbenzene	9.06	91	572427	9.980	ug/L	100
53) m,p-xylene	9.19	106	215991	10.227	ug/L	95
54) o-xylene	9.59	106	206144	9.661	ug/L	99
55) Styrene	9.61	104	360826	10.671	ug/L	100
56) Isopropylbenzene	9.98	105	540767	9.976	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	129005	9.864	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	91908	9.998	ug/L	98
61) Bromoform	9.78	173	58093	10.009	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	236422	9.081	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	239444	9.289	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	243602	9.498	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	18789	9.974	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	184285	9.231	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	139753	9.083	ug/L	95
69) Naphthalene	13.56	128	218122	8.320	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	137090	9.257	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 10.197 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

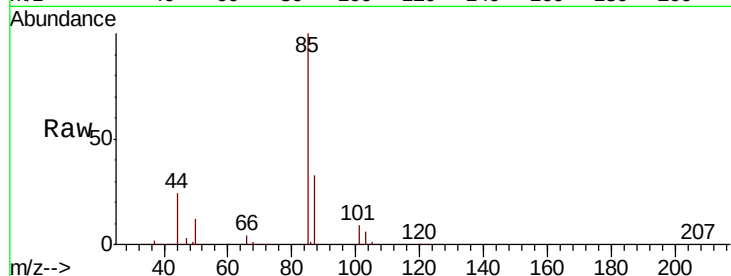
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 160682

Ion Ratio Lower Upper

85 100

87 32.8 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VV006902.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006903.D (-1) (-)

1.14

150000

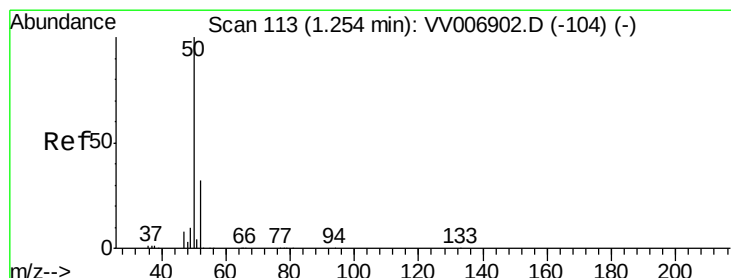
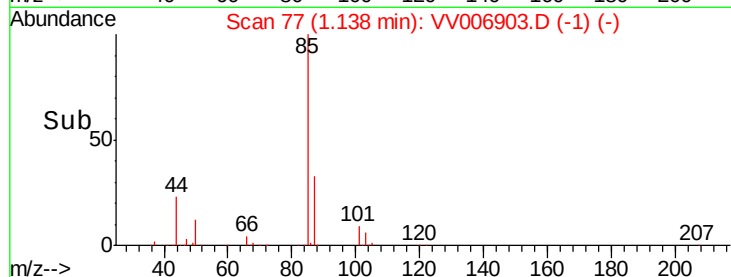
100000

50000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 8.527 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006903.D

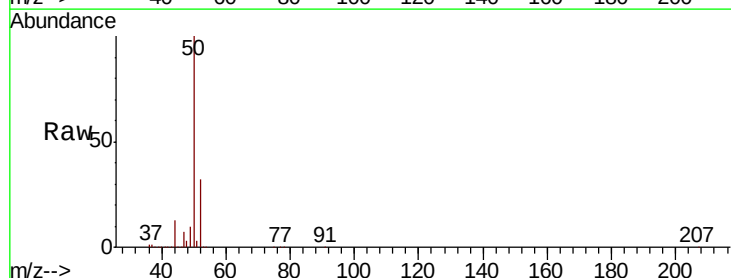
Acq: 07 Aug 2018 17:42

Tgt Ion: 50 Resp: 193706

Ion Ratio Lower Upper

50 100

52 31.9 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV006902.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006903.D (-20) (-)

1.25

200000

150000

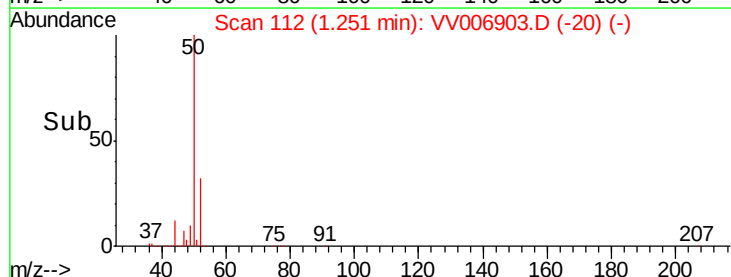
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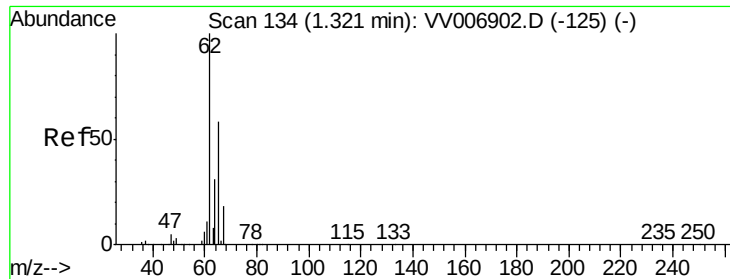
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 10.400 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

Instrument :

MSVOA_V

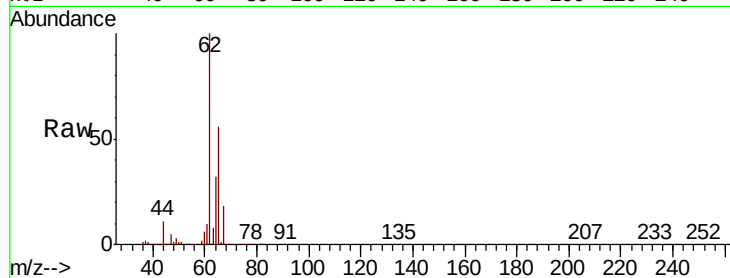
ClientSampleId :

Tot Ion: 62 Resp: 185810

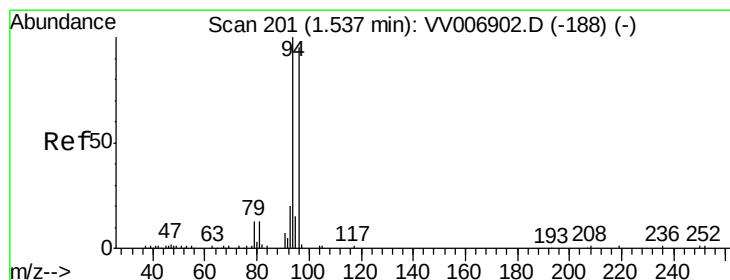
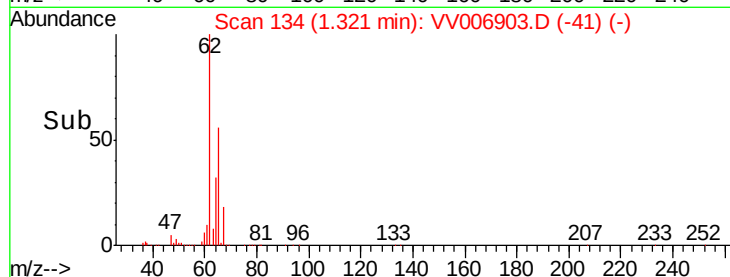
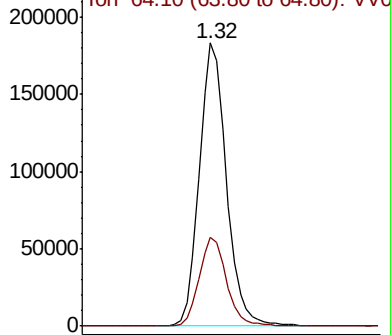
Ion Ratio Lower Upper

62 100

64 31.5 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV006903.D (-125) (-)



#6

Bromomethane

Concen: 9.898 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV006903.D

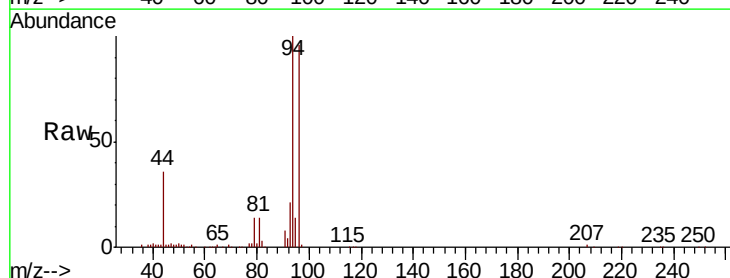
Acq: 07 Aug 2018 17:42

Tgt Ion: 94 Resp: 43928

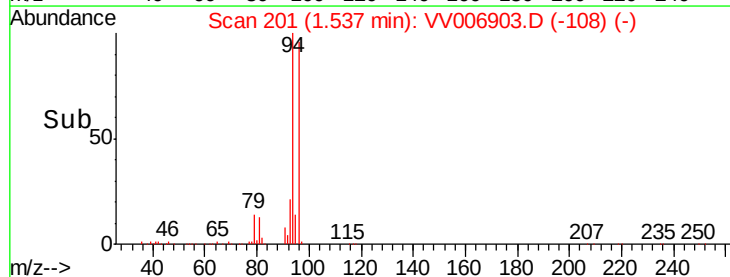
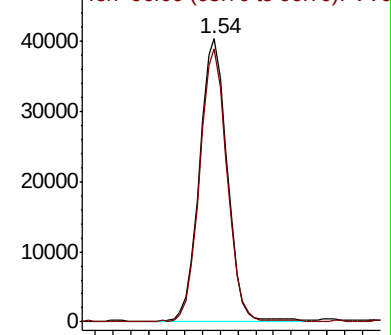
Ion Ratio Lower Upper

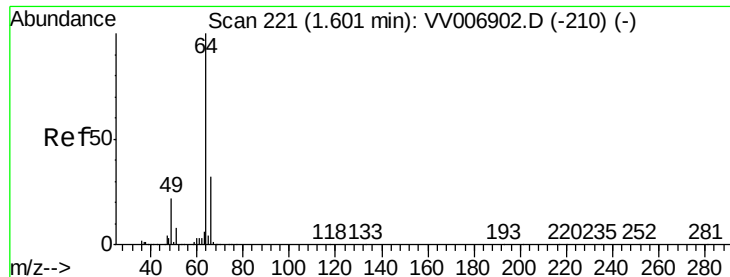
94 100

96 96.4 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV006903.D (-188) (-)

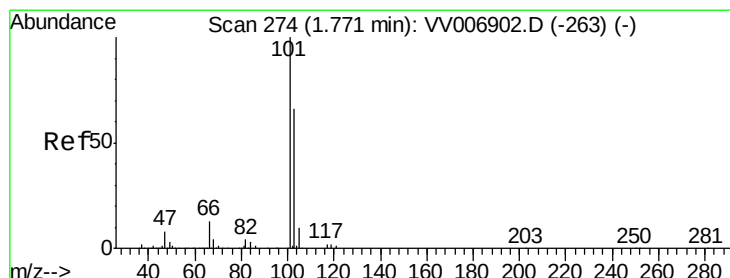
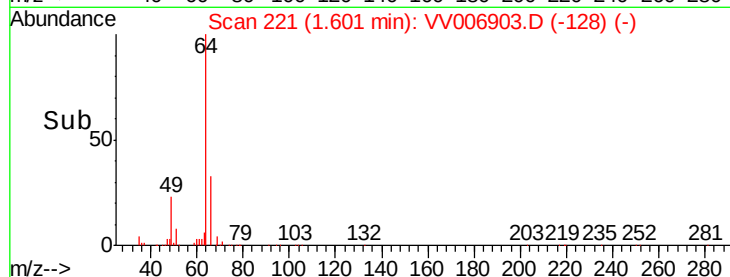
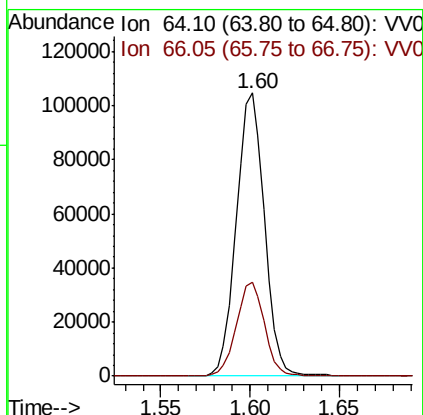
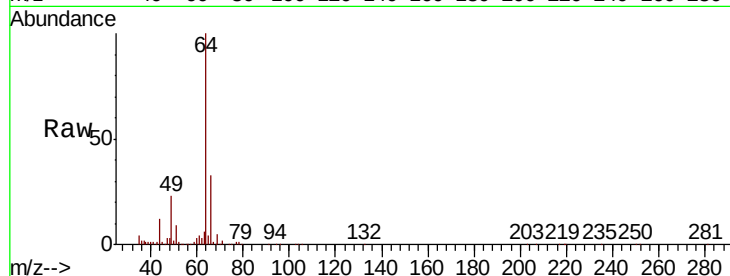




#8
Chloroethane
Concen: 9.723 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

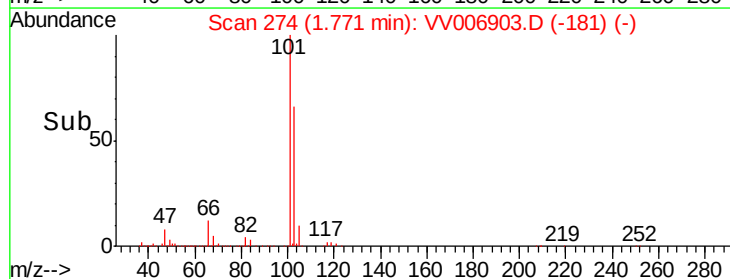
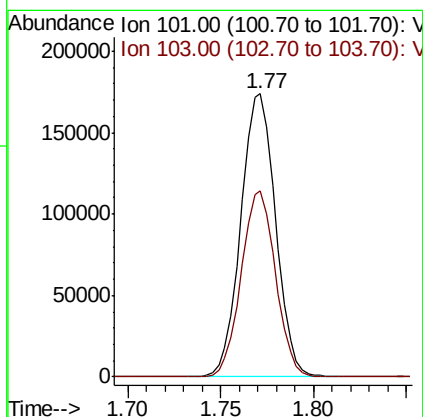
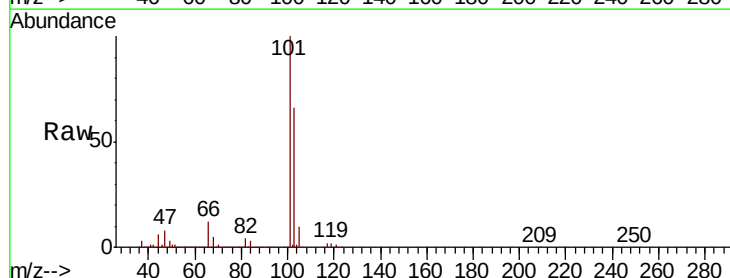
Instrument :
MSVOA_V
ClientSampleId :

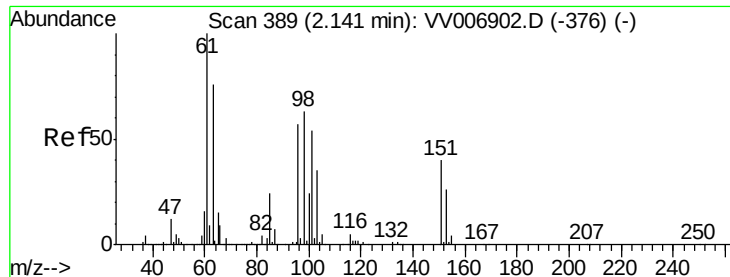
Tot Ion: 64 Resp: 114615
Ion Ratio Lower Upper
64 100
66 33.0 22.6 42.0



#9
Trichlorofluoromethane
Concen: 10.398 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

Tgt Ion: 101 Resp: 225656
Ion Ratio Lower Upper
101 100
103 64.7 52.3 78.5





#10

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

Concen: 9.999 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

Instrument :

MSVOA_V

ClientSampleId :

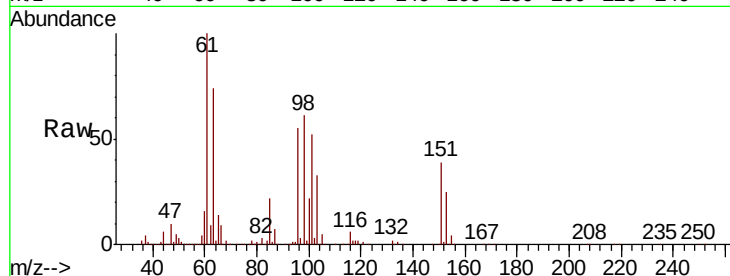
Tot Ion:101 Resp: 135479

Ion Ratio Lower Upper

101 100

85 42.9 36.2 54.4

151 76.1 59.8 89.8



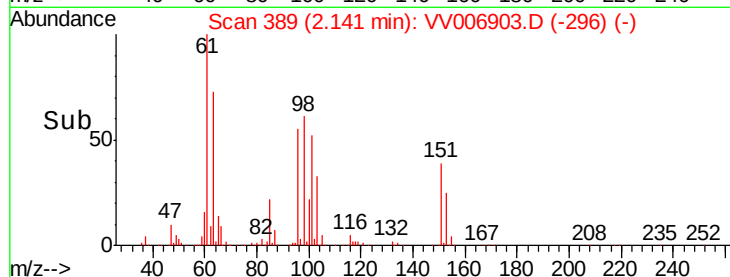
Abundance Ion 101.00 (100.70 to 101.70): VV006902.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VV006902.D (-376) (-)

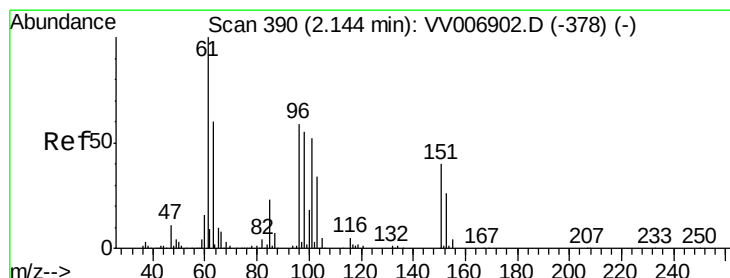
Ion 151.00 (150.70 to 151.70): VV006902.D (-376) (-)

2.14

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 9.948 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

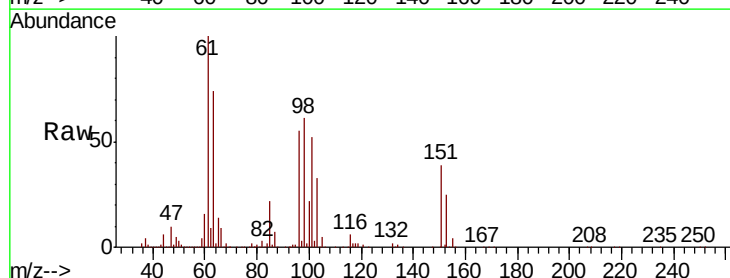
Tgt Ion: 96 Resp: 124931

Ion Ratio Lower Upper

96 100

61 180.6 119.0 221.0

63 132.8 73.6 136.6



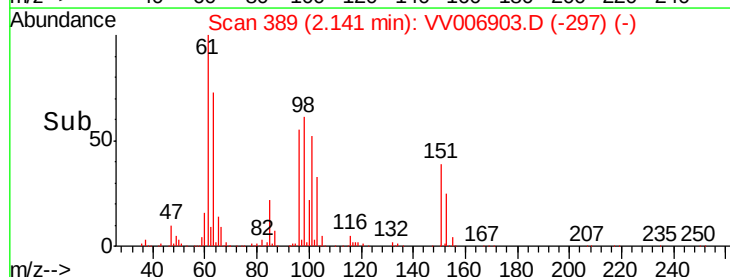
Abundance Ion 96.00 (95.70 to 96.70): VV006902.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VV006902.D (-378) (-)

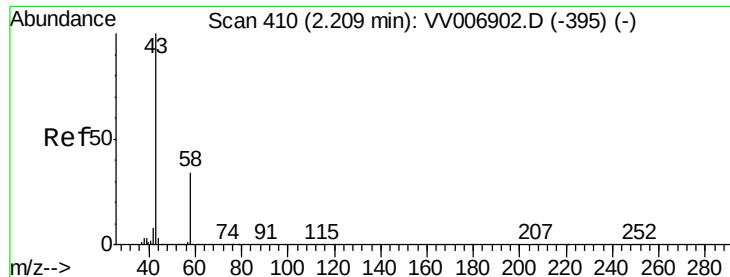
Ion 63.00 (62.70 to 63.70): VV006902.D (-378) (-)

2.14

Time-->



Time-->



#13

Acetone

Concen: 99.787 ug/L

RT: 2.21 min Scan# 410

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

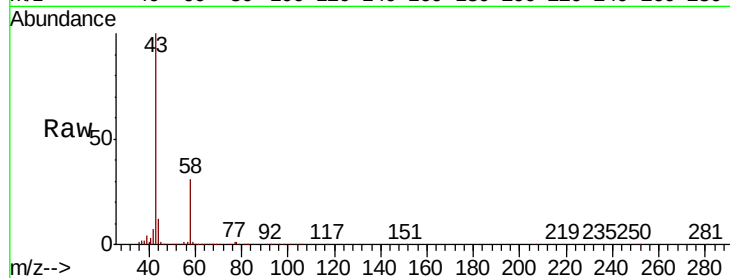
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 235060

Ion Ratio Lower Upper

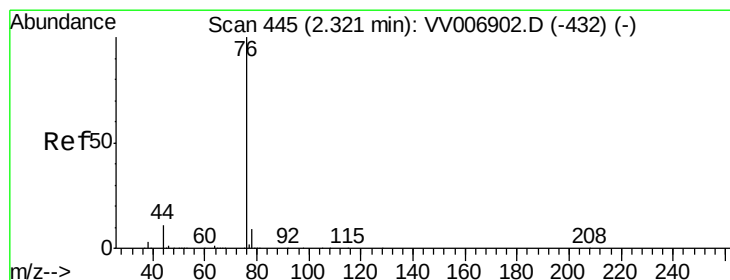
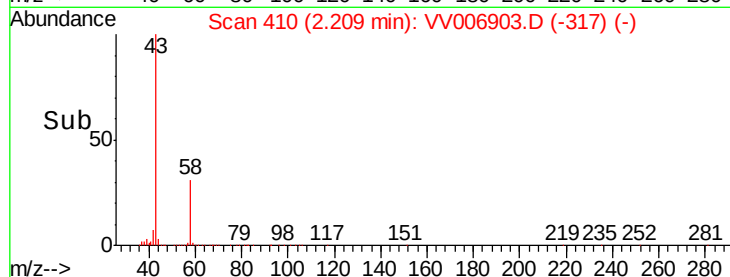
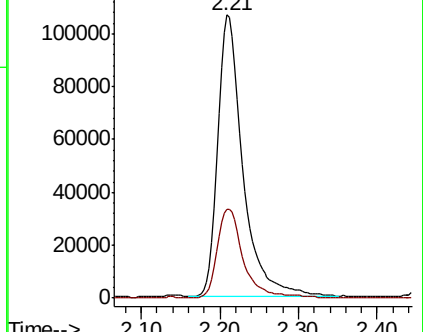
43 100

58 32.5 0.0 68.0



Abundance Ion 43.05 (42.75 to 43.75): VV006902.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV006902.D (-395) (-)



#14

Carbon disulfide

Concen: 10.497 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006903.D

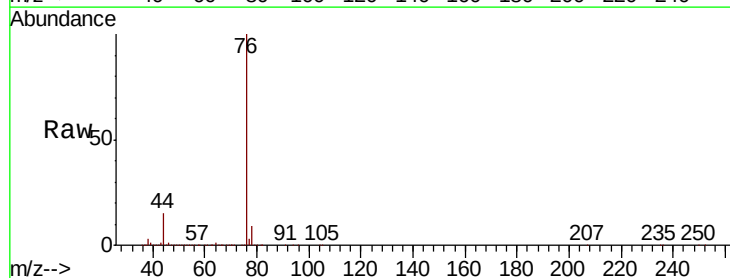
Acq: 07 Aug 2018 17:42

Tgt Ion: 76 Resp: 397839

Ion Ratio Lower Upper

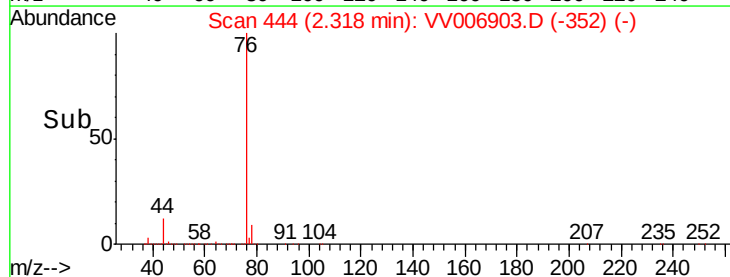
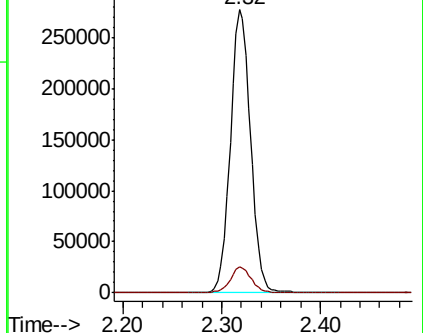
76 100

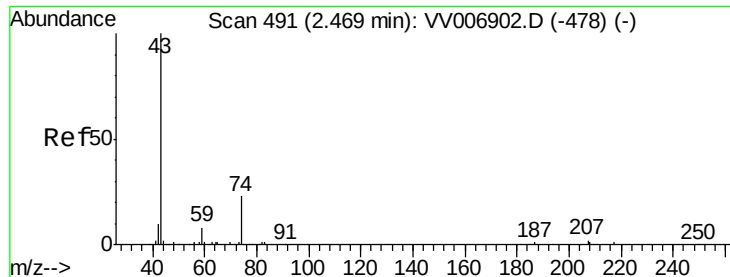
78 9.1 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VV006902.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV006902.D (-432) (-)

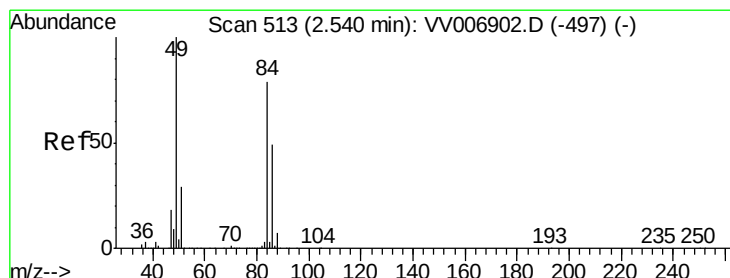
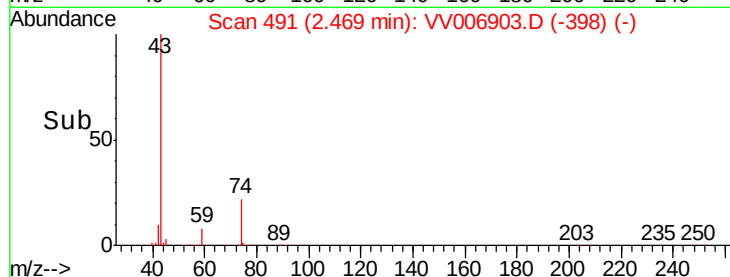
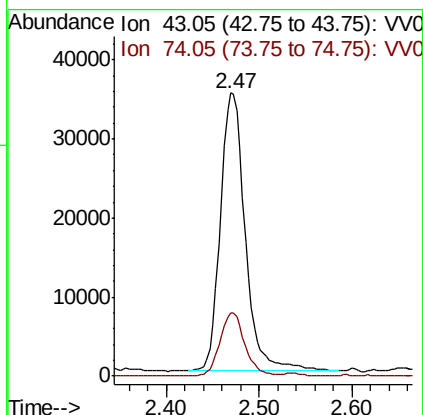
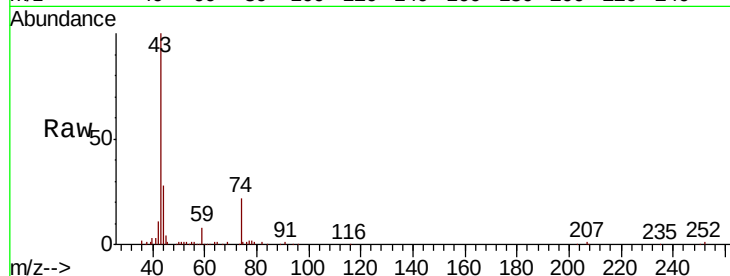




#15
Methvl Acetate
Concen: 9.361 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

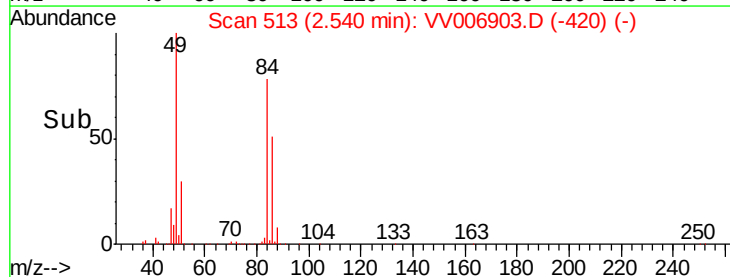
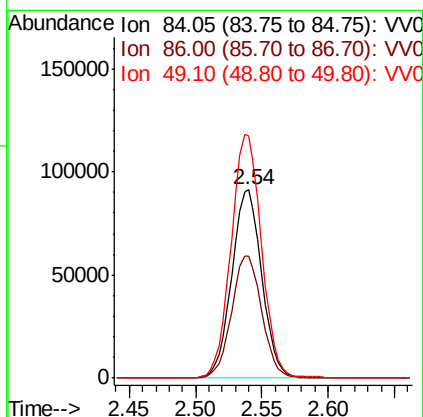
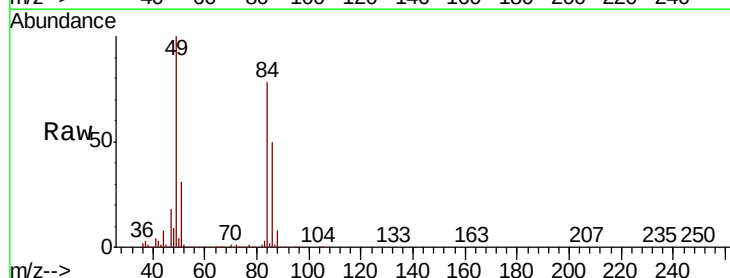
Instrument :
MSVOA_V
ClientSampleId :

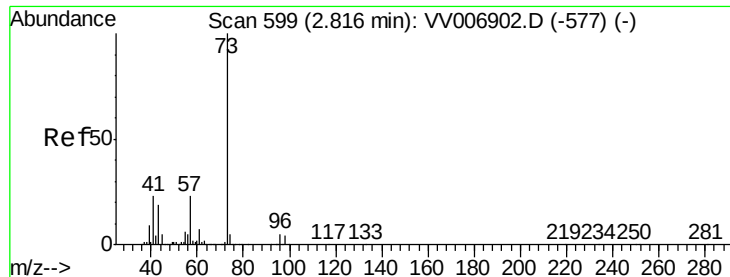
Tot Ion: 43 Resp: 65507
Ion Ratio Lower Upper
43 100
74 22.9 18.6 27.8



#16
Methylene chloride
Concen: 9.479 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

Tgt Ion: 84 Resp: 143932
Ion Ratio Lower Upper
84 100
86 65.1 43.6 81.0
49 128.9 88.6 164.6



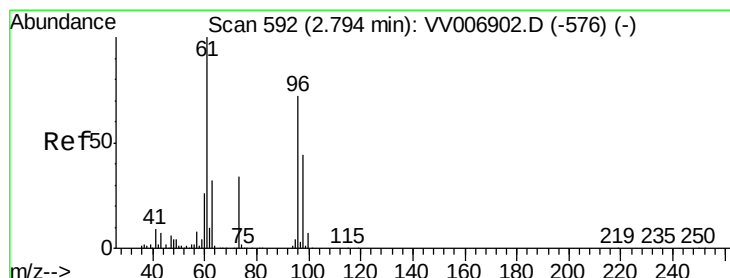
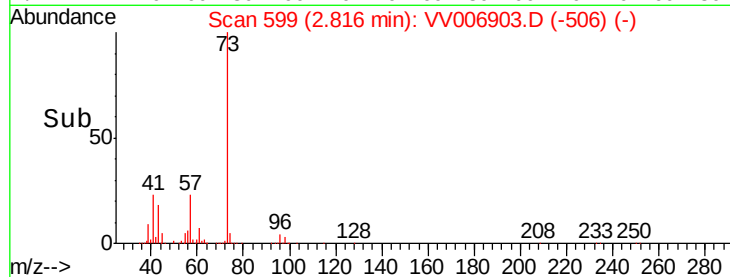
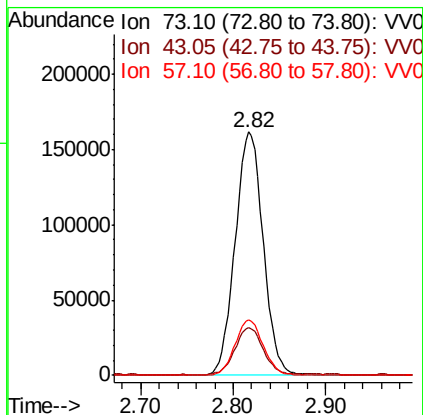
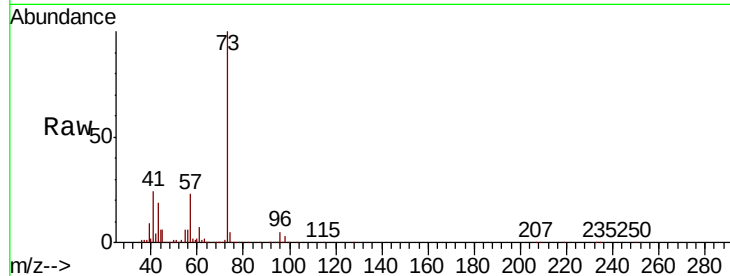


#17

Methyl tert-butyl Ether
 Concen: 10.024 ug/L
 RT: 2.82 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VV006903.D
 Acq: 07 Aug 2018 17:42

Instrument :
 MSVOA_V
 ClientSampled :

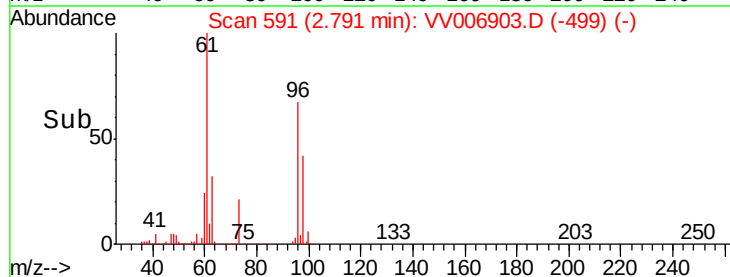
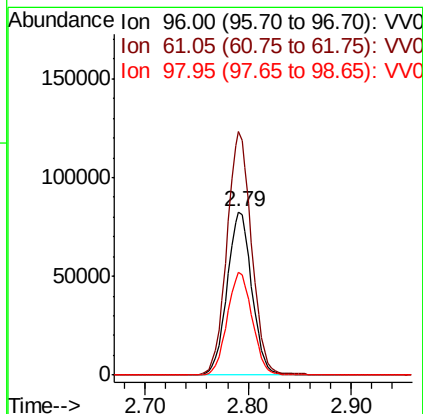
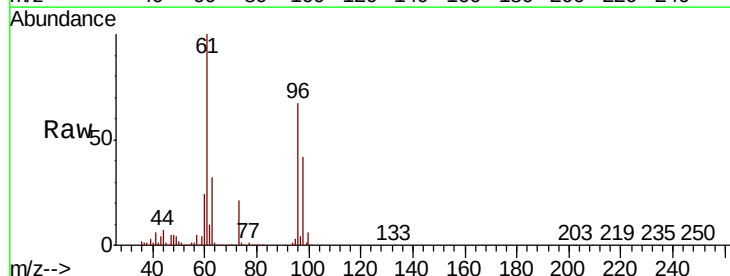
Tot Ion:	73	Resp:	339385
Ion	Ratio	Lower	Upper
73	100		
43	19.3	15.3	22.9
57	22.7	18.8	28.2

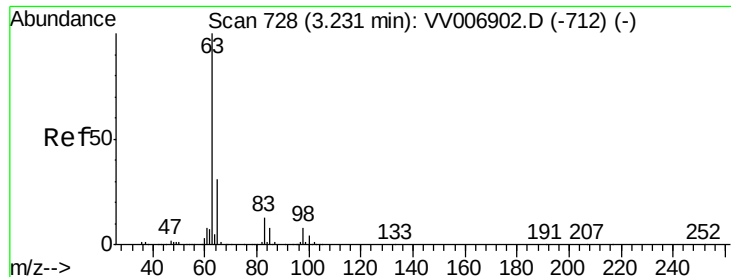


#18

trans-1,2-Dichloroethene
 Concen: 10.116 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VV006903.D
 Acq: 07 Aug 2018 17:42

Tgt Ion:	96	Resp:	138922
Ion	Ratio	Lower	Upper
96	100		
61	149.0	97.3	180.7
98	62.5	42.8	79.6

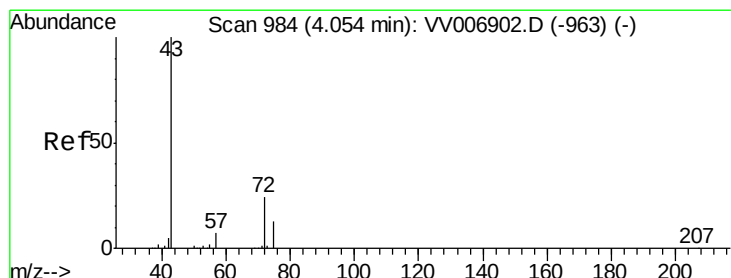
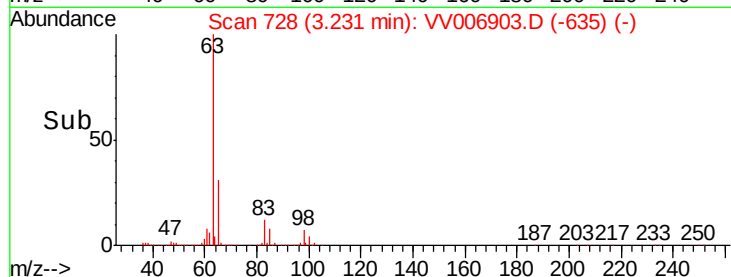
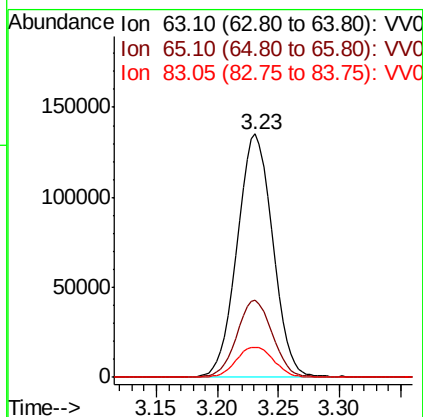
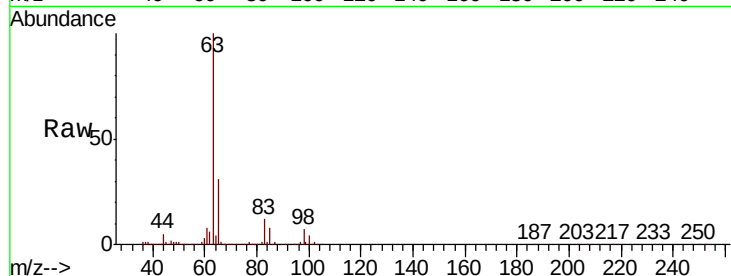




#19
 1,1-Dichloroethane
 Concen: 10.507 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006903.D
 Acq: 07 Aug 2018 17:42

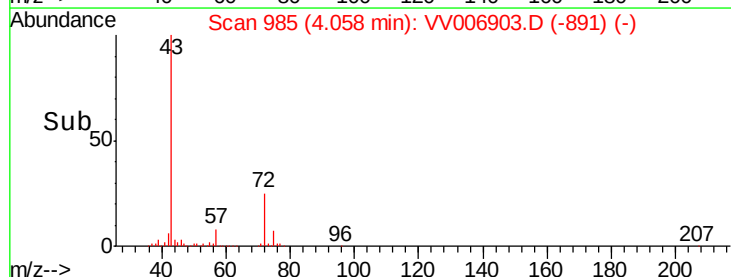
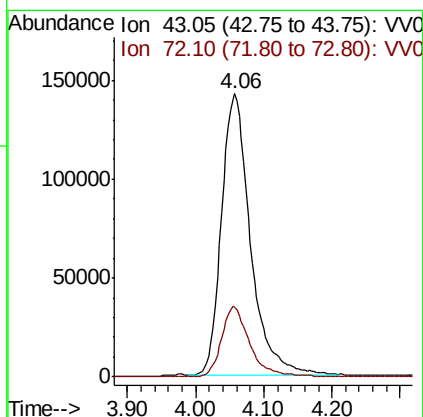
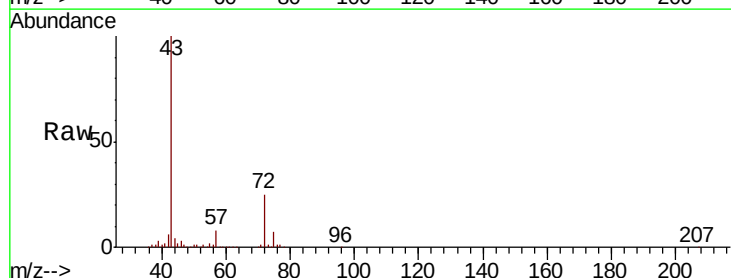
Instrument :
 MSVOA_V
 ClientSampleId :

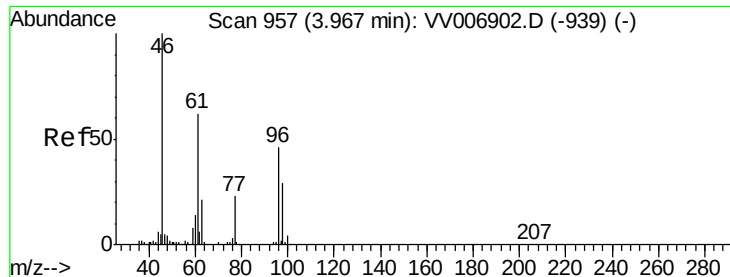
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.0	41.0
83	12.5	9.0	16.8



#21
 2-Butanone
 Concen: 113.827 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VV006903.D
 Acq: 07 Aug 2018 17:42

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.8	11.9	35.5



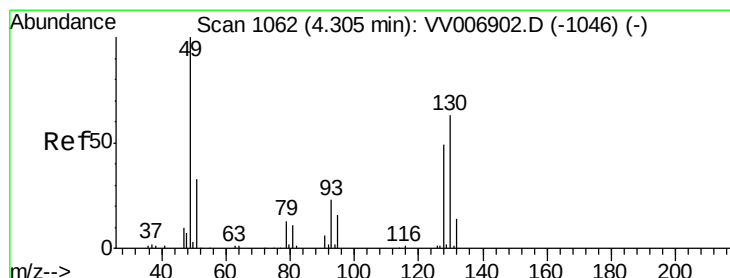
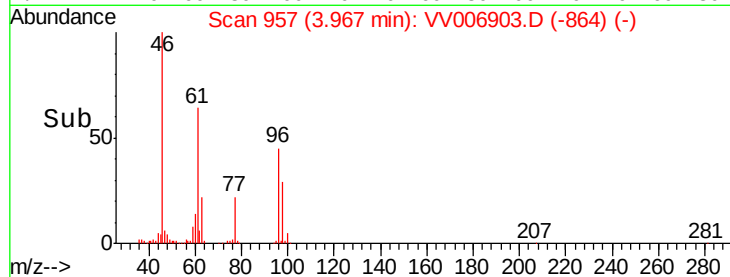
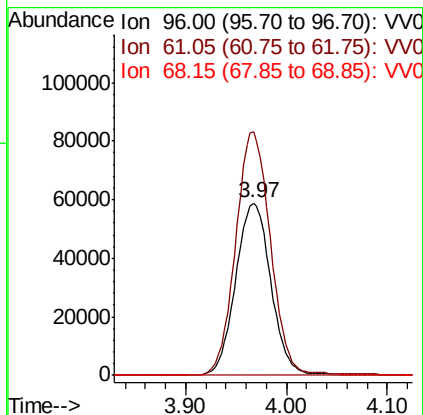
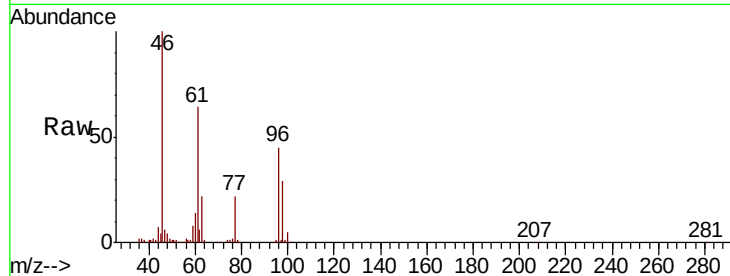


#22

cis-1,2-Dichloroethene
Concen: 9.772 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

Instrument :
MSVOA_V
ClientSampled :

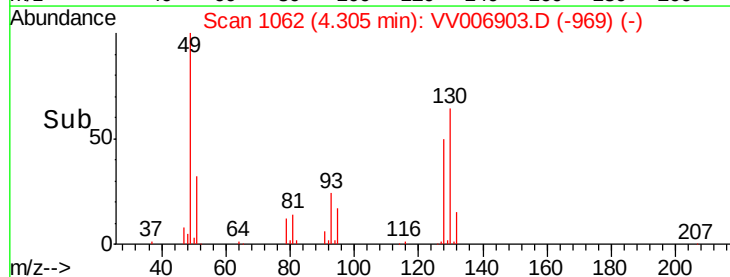
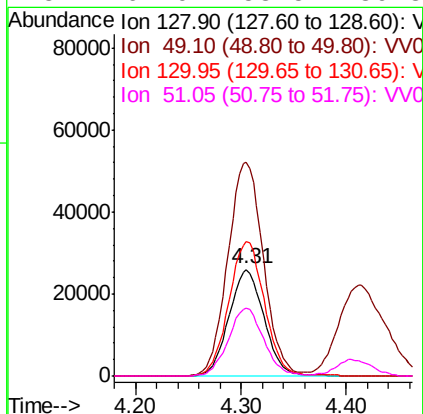
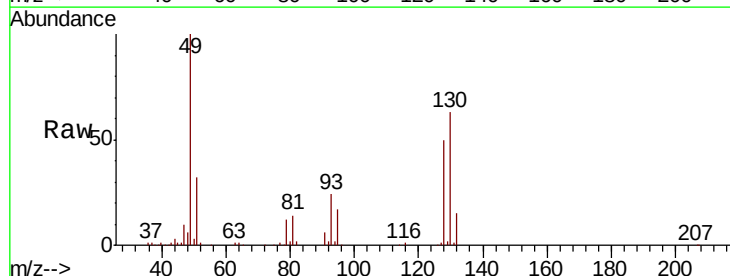
Tot Ion: 96 Resp: 142101
Ion Ratio Lower Upper
96 100
61 141.4 95.5 177.4
68 0.0 0.0 0.0

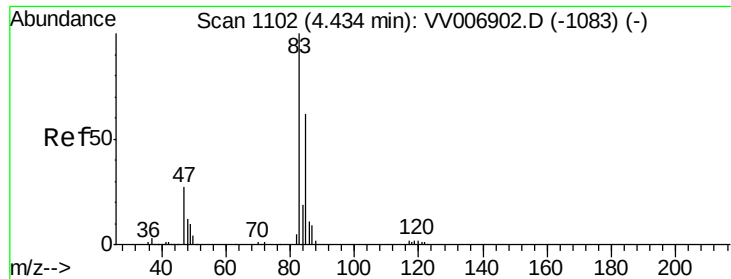


#23

Bromochloromethane
Concen: 9.468 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

Tgt Ion: 128 Resp: 59807
Ion Ratio Lower Upper
128 100
49 200.0 141.5 262.9
130 126.4 89.7 166.7
51 64.0 53.5 80.3

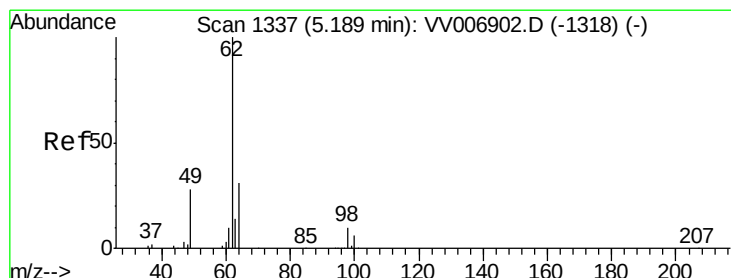
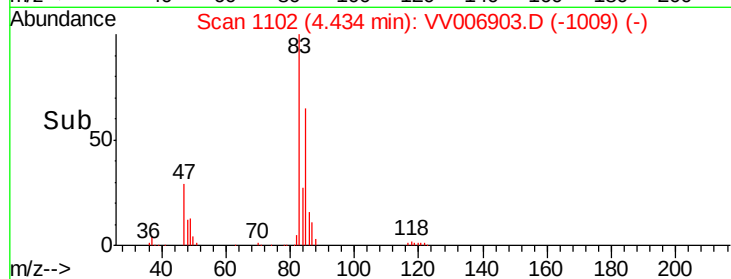
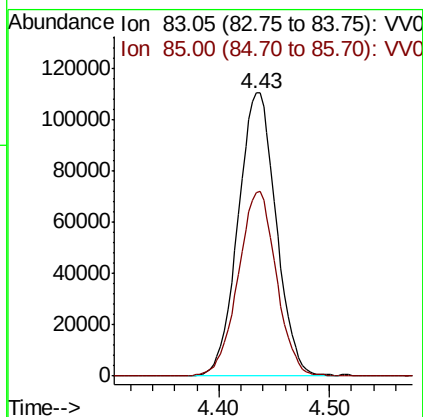
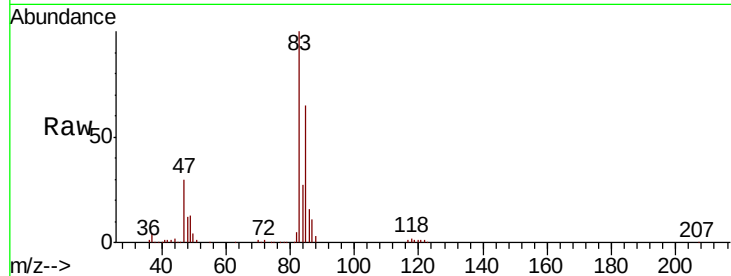




#25
Chloroform
Concen: 10.443 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

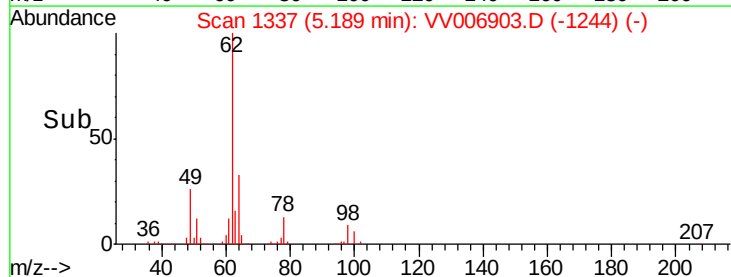
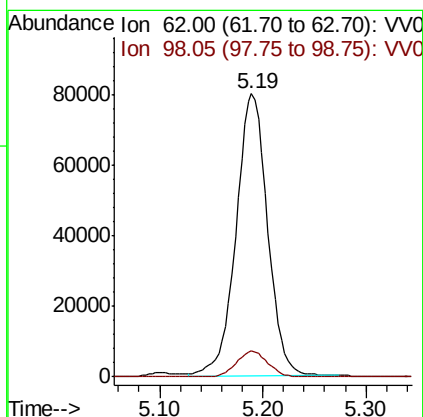
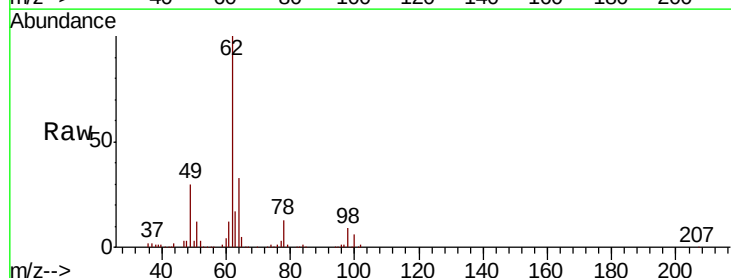
Instrument :
MSVOA_V
ClientSampleId :

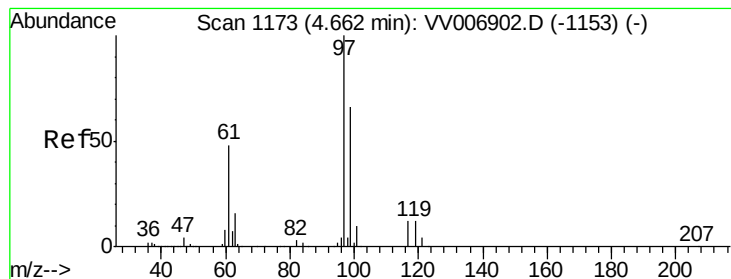
Tot Ion: 83 Resp: 264202
Ion Ratio Lower Upper
83 100
85 64.8 43.5 80.7



#27
1,2-Dichloroethane
Concen: 10.981 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

Tgt Ion: 62 Resp: 170744
Ion Ratio Lower Upper
62 100
98 9.1 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 10.125 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

Instrument :
MSVOA_V
ClientSampled :

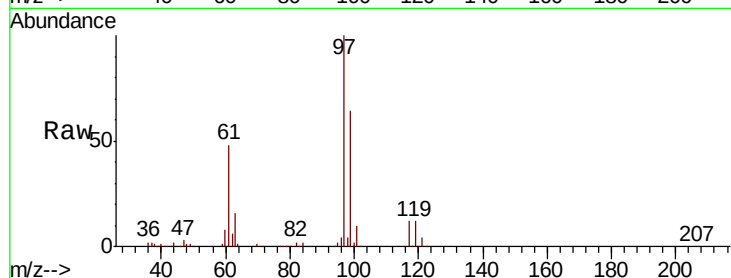
Tot Ion: 97 Resp: 218667

Ion Ratio Lower Upper

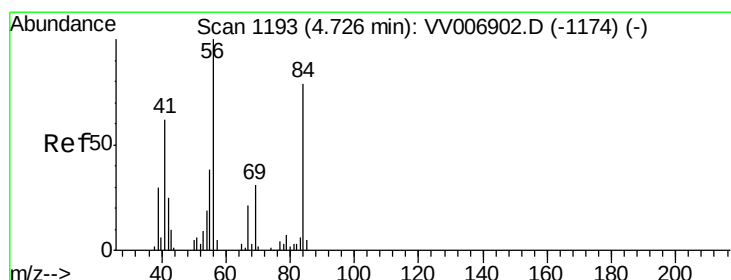
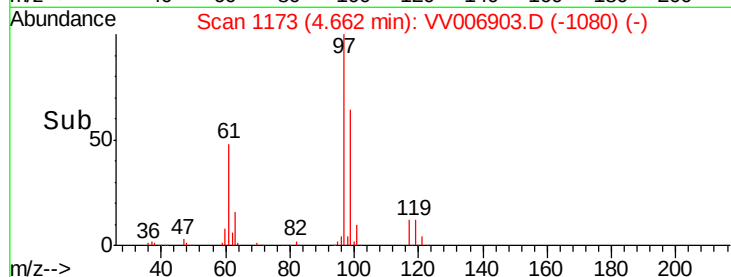
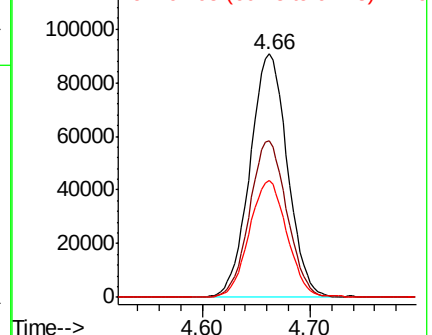
97 100

99 64.2 51.0 76.6

61 48.3 38.6 57.8



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 10.473 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

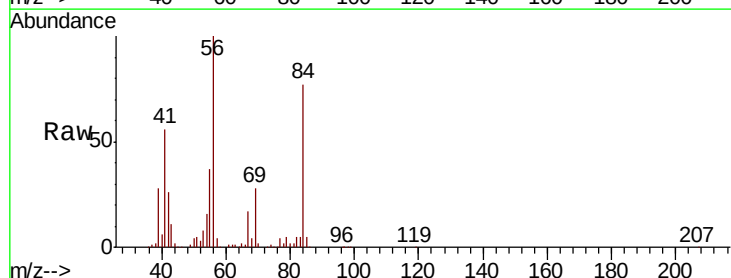
Tgt Ion: 56 Resp: 230440

Ion Ratio Lower Upper

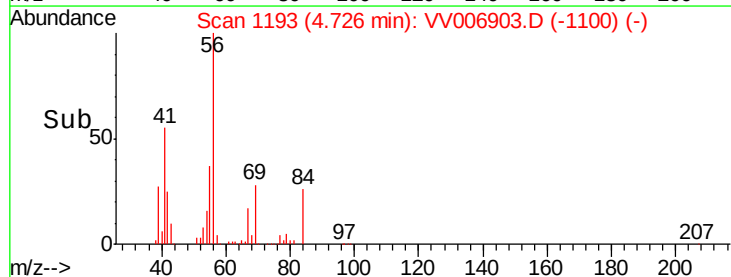
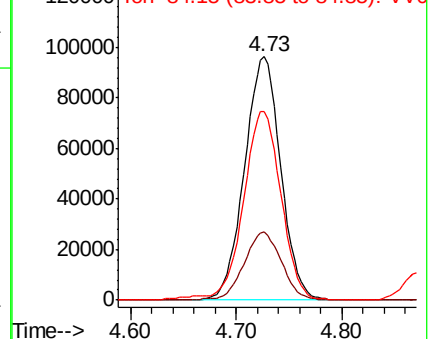
56 100

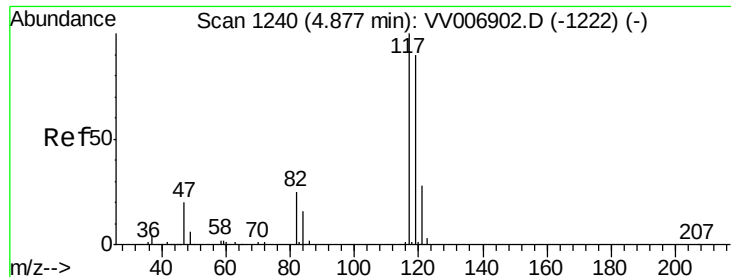
69 28.0 24.2 36.2

84 79.2 65.5 98.3



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

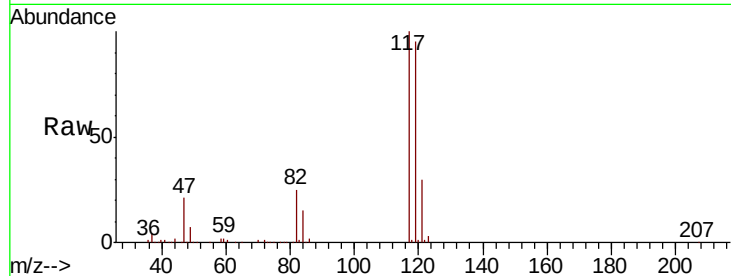




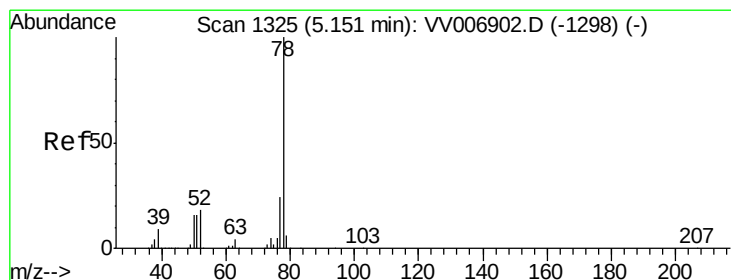
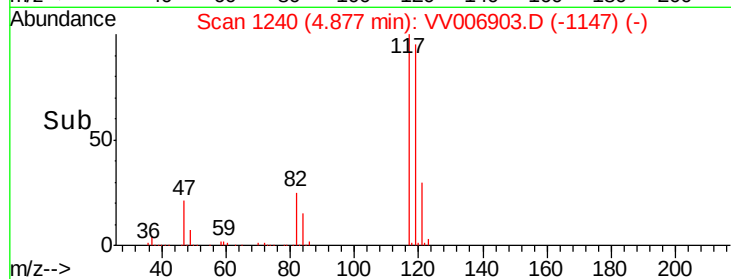
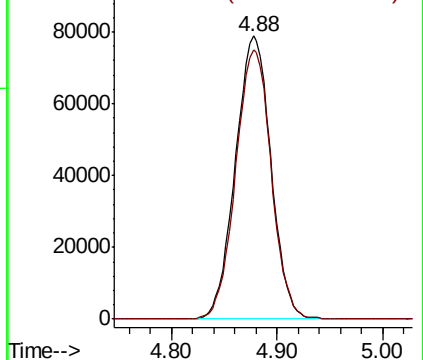
#31
Carbon tetrachloride
Concen: 10.324 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

Instrument :
MSVOA_V
ClientSampleId :

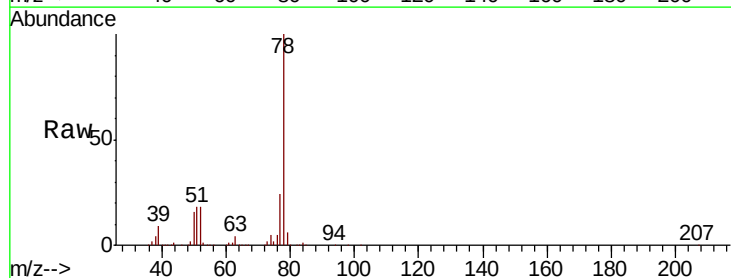
Tot Ion:117 Resp: 184488
Ion Ratio Lower Upper
117 100
119 95.3 74.9 112.3



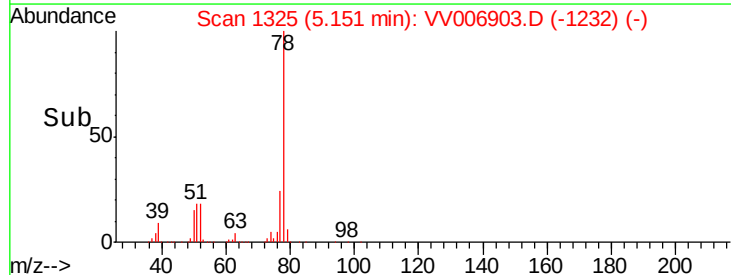
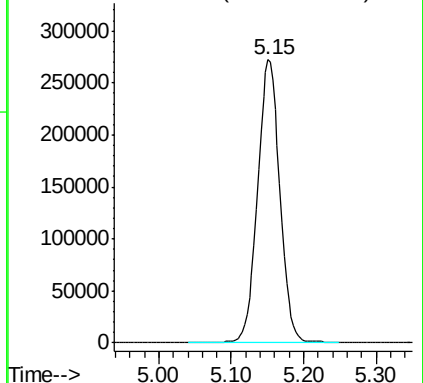
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

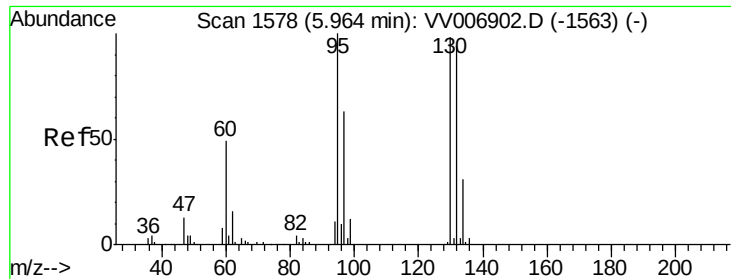


#33
Benzene
Concen: 10.221 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42
Tgt Ion: 78 Resp: 582851



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.250 ug/L

RT: 5.96 min Scan# 1578

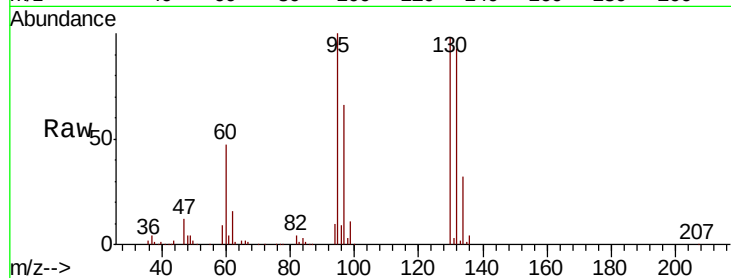
Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	95	Resp:	132328
Ion	Ratio	Lower	Upper
95	100		
97	66.2	44.4	82.4
132	93.0	65.6	121.8
130	98.3	68.8	127.8

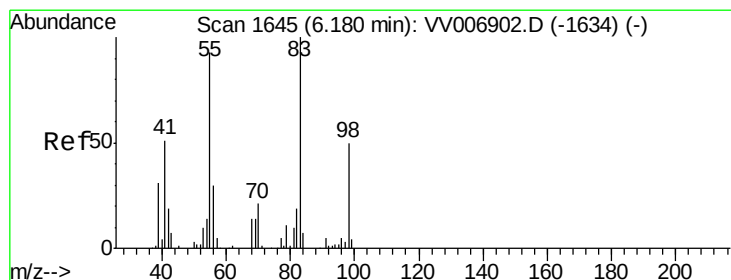
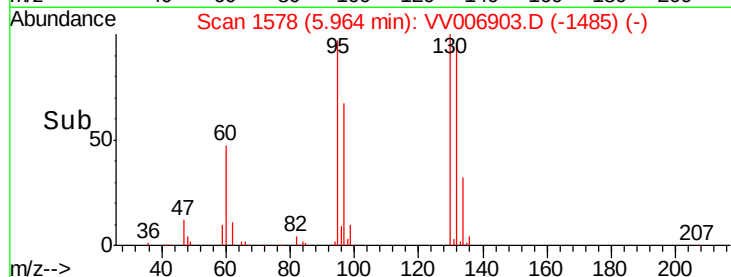
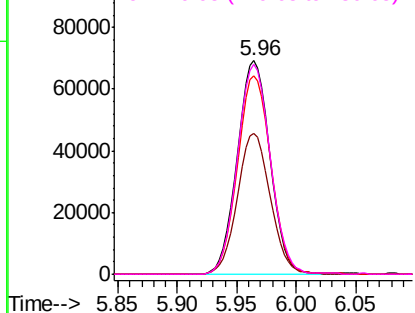


Abundance Ion 95.00 (94.70 to 95.70): VV006903.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006903.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006903.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006903.D (-1485) (-)



#35

Methylcyclohexane

Concen: 9.670 ug/L

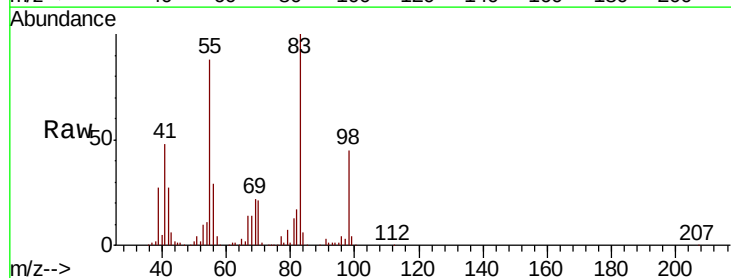
RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

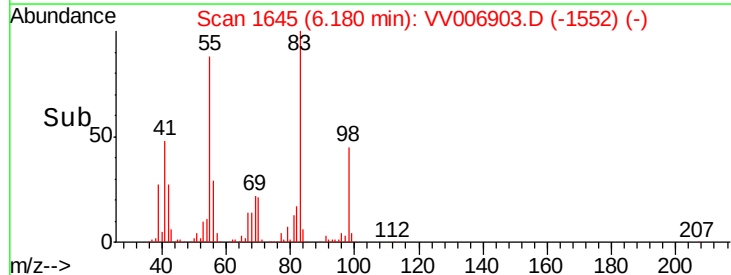
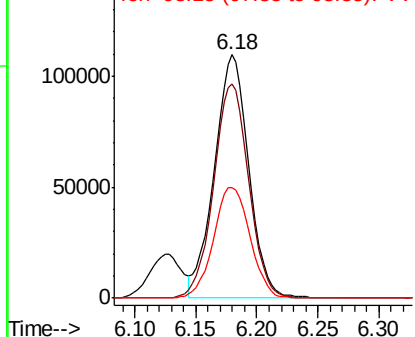
Tgt Ion:	83	Resp:	217131
Ion	Ratio	Lower	Upper
83	100		
55	90.0	69.8	104.8
98	48.2	36.4	54.6

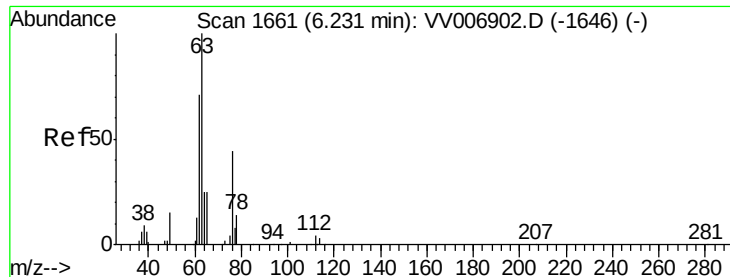


Abundance Ion 83.15 (82.85 to 83.85): VV006903.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006903.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006903.D (-1552) (-)

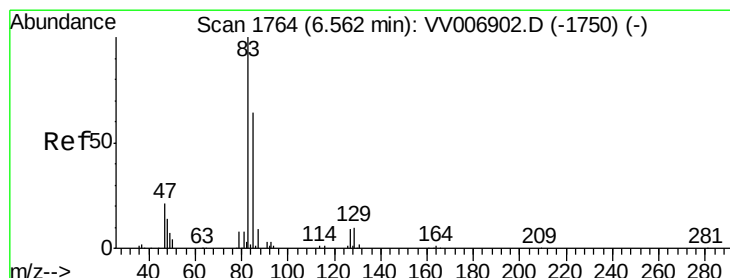
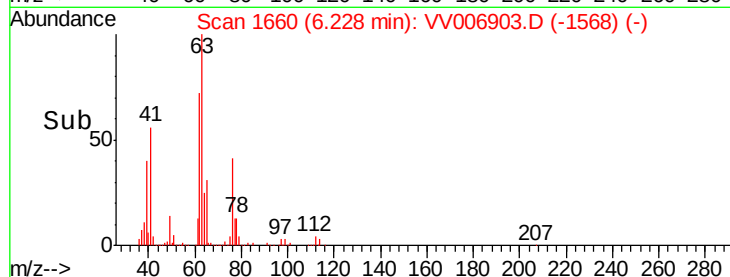
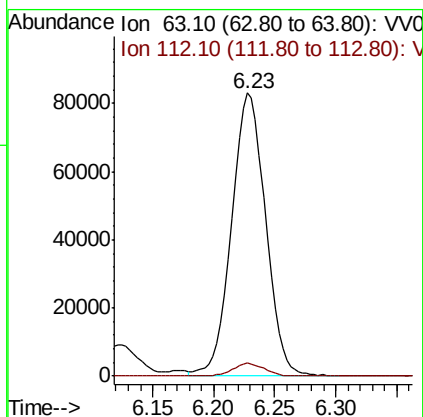
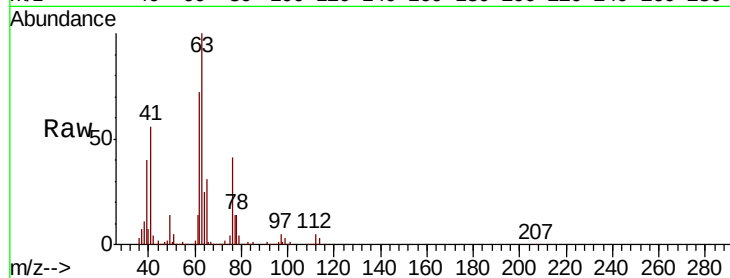




#37
 1,2-Dichloropropane
 Concen: 10.615 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006903.D
 Acq: 07 Aug 2018 17:42

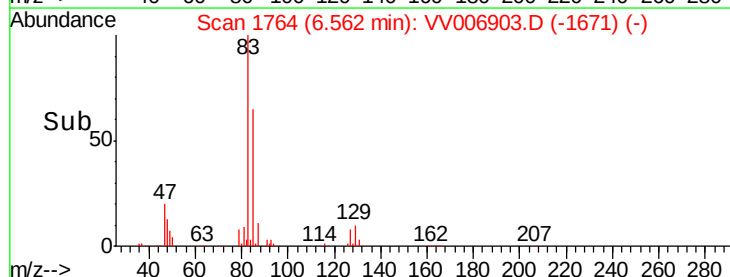
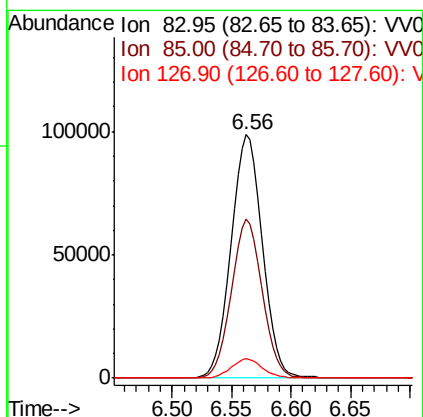
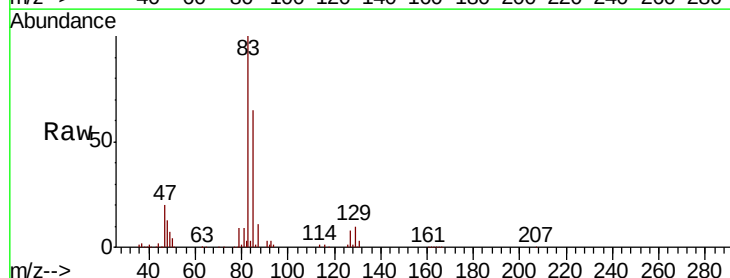
Instrument :
 MSVOA_V
 ClientSampleId :

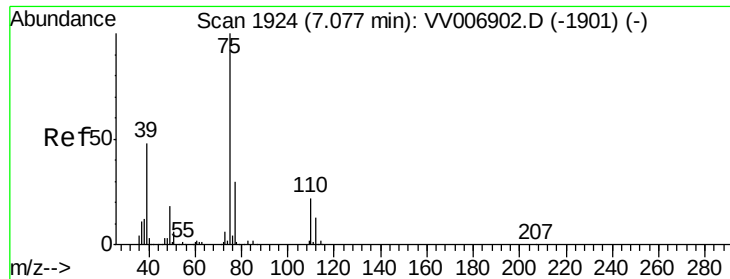
Tot Ion: 63 Resp: 159581
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 10.479 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006903.D
 Acq: 07 Aug 2018 17:42

Tgt Ion: 83 Resp: 180582
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.9 83.3
 127 7.9 6.9 10.3



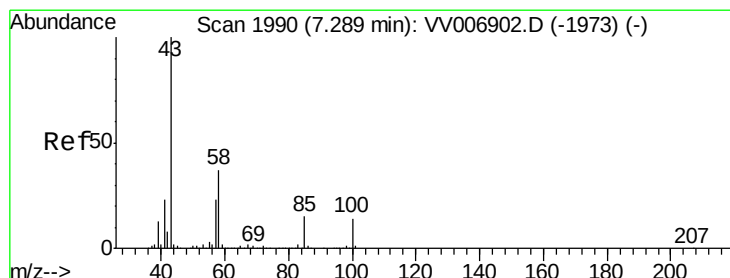
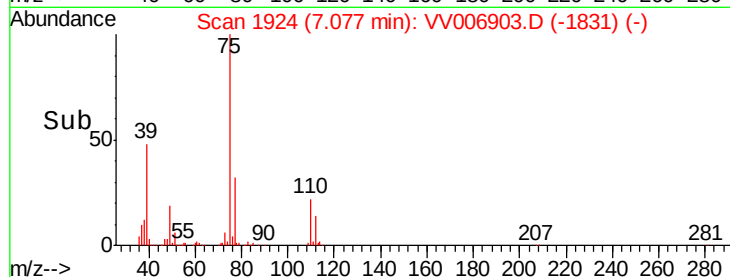
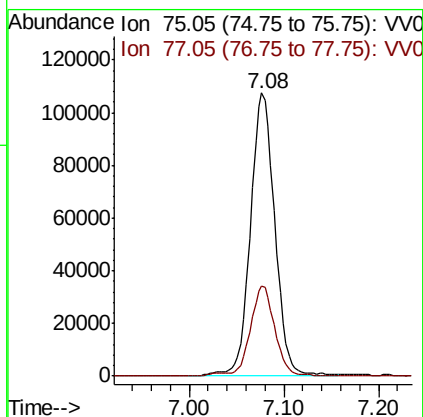
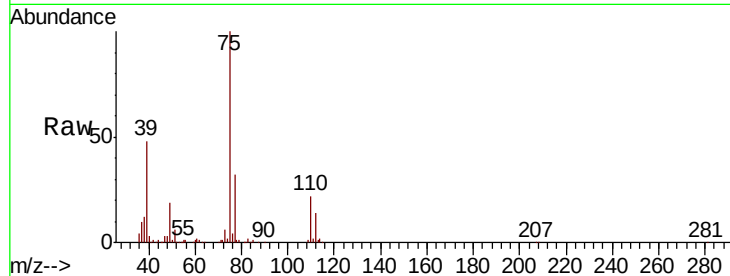


#39

cis-1,3-Dichloropropene
 Concen: 10.147 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006903.D
 Acq: 07 Aug 2018 17:42

Instrument :
 MSVOA_V
 ClientSampleId :

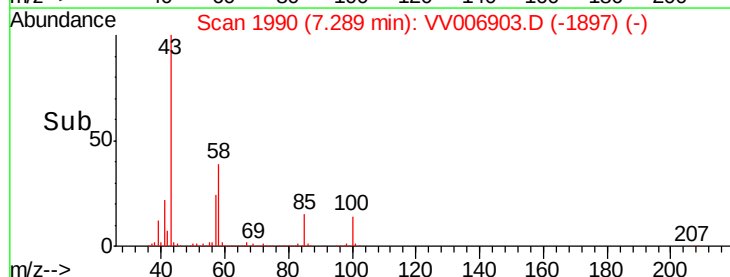
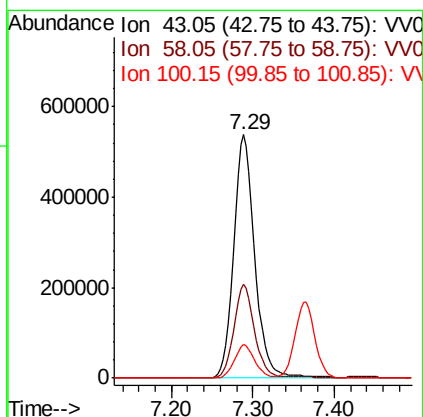
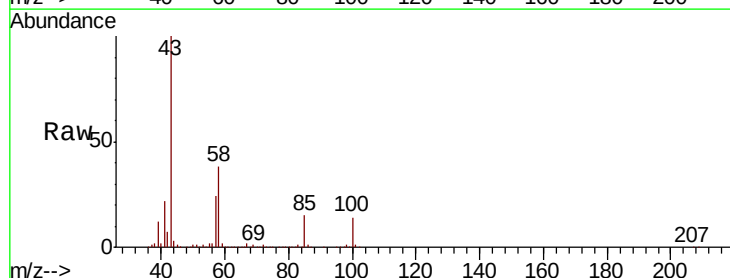
Tot Ion: 75 Resp: 193622
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.2 39.4

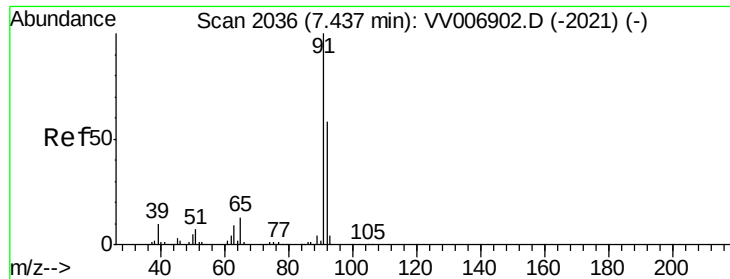


#40

4-Methyl-2-pentanone
 Concen: 114.986 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV006903.D
 Acq: 07 Aug 2018 17:42

Tgt Ion: 43 Resp: 971413
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.0 43.6
 100 13.2 10.5 15.7





#42

Toluene

Concen: 10.459 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

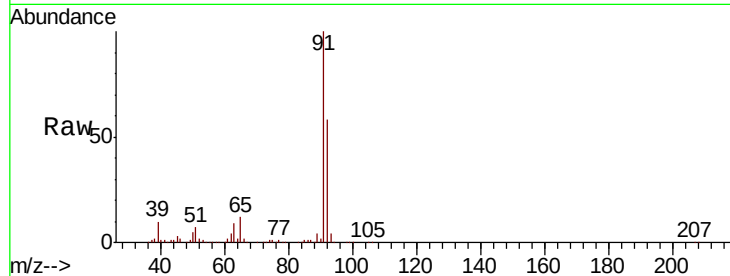
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 582669

Ion Ratio Lower Upper

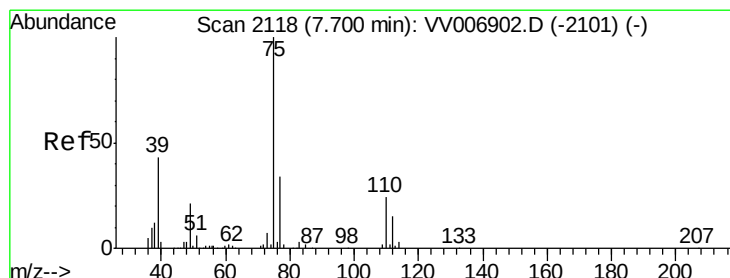
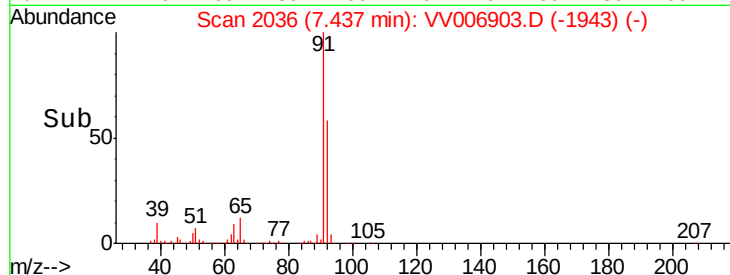
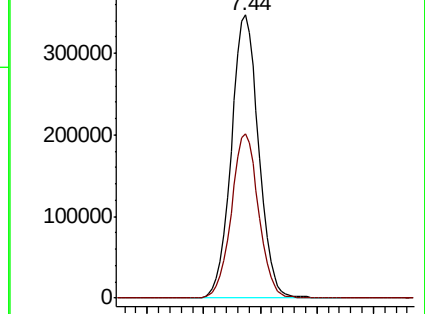
91 100

92 58.3 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV006903.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006903.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 10.214 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006903.D

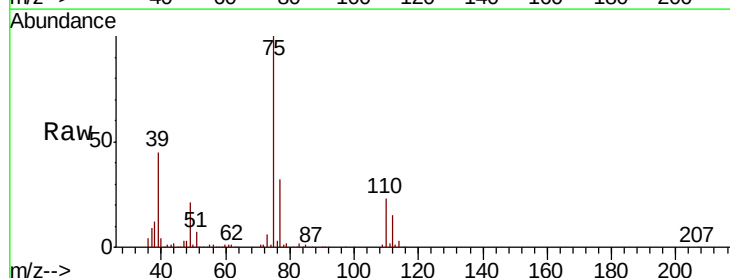
Acq: 07 Aug 2018 17:42

Tgt Ion: 75 Resp: 161828

Ion Ratio Lower Upper

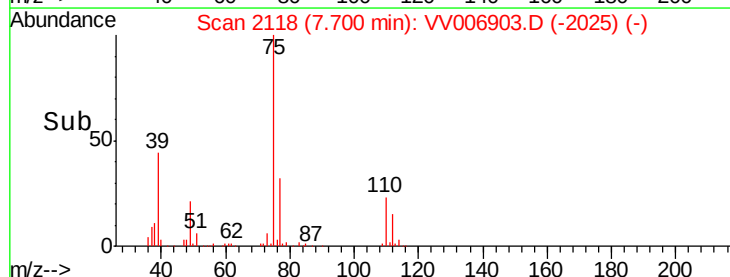
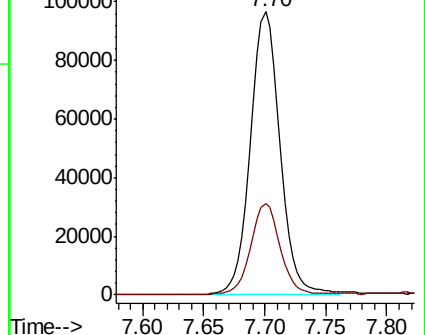
75 100

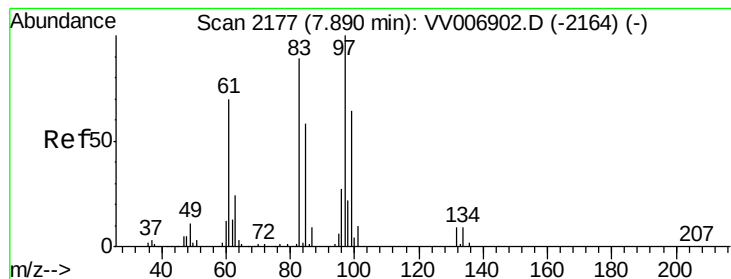
77 32.5 24.2 45.0



Abundance Ion 75.05 (74.75 to 75.75): VV006903.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006903.D (-2025) (-)





#45

1,1,2-Trichloroethane

Concen: 9.411 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 100555

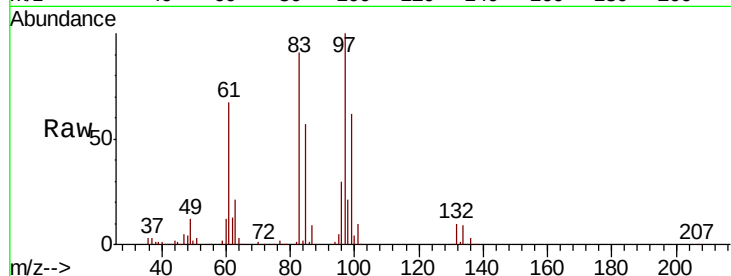
Ion Ratio Lower Upper

97 100

99 61.9 44.7 82.9

83 91.3 62.4 116.0

85 57.3 40.4 75.0

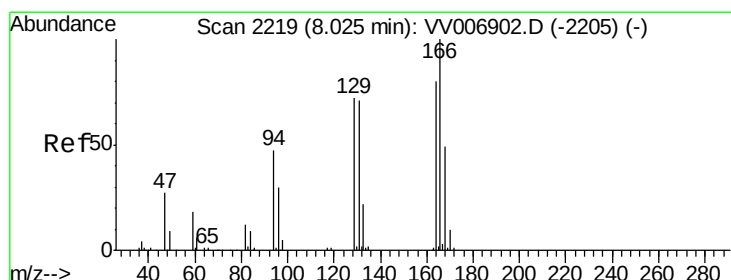
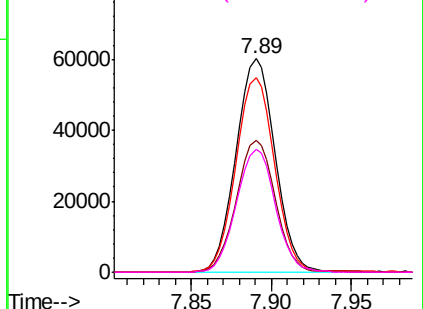
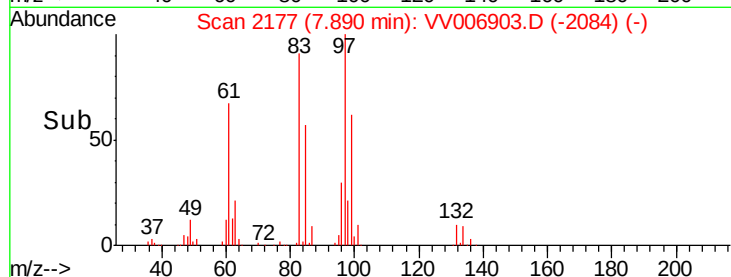


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 9.264 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

Tgt Ion: 164 Resp: 104041

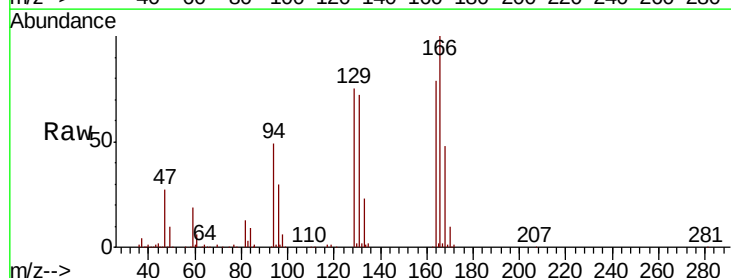
Ion Ratio Lower Upper

164 100

129 95.7 63.1 117.3

131 91.6 62.3 115.7

166 126.9 87.4 162.4

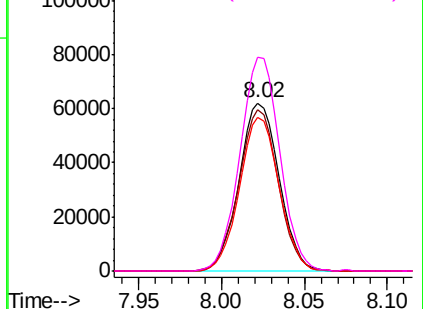
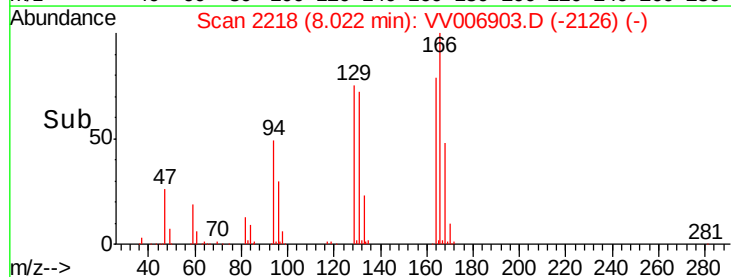


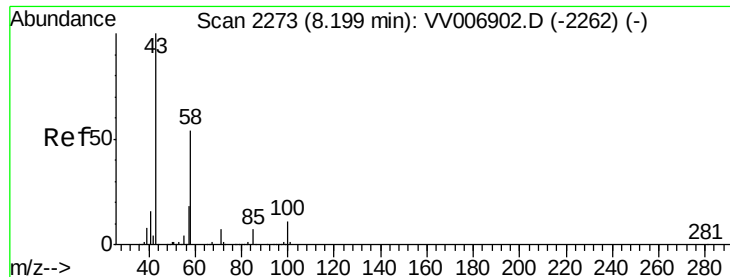
Abundance Ion 163.90 (163.60 to 164.60): V

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

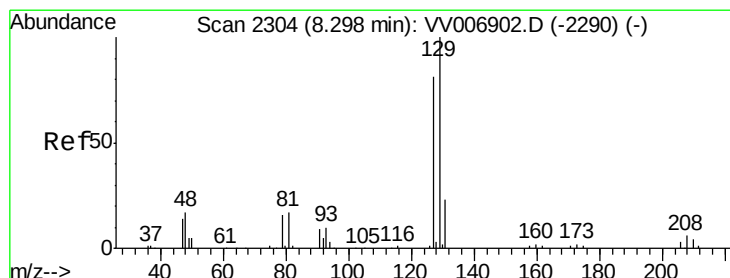
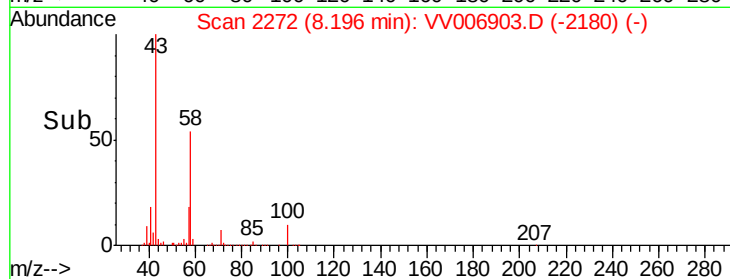
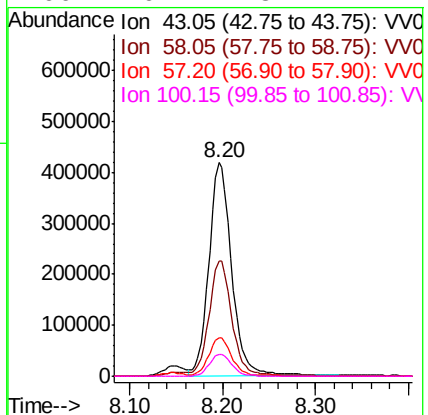
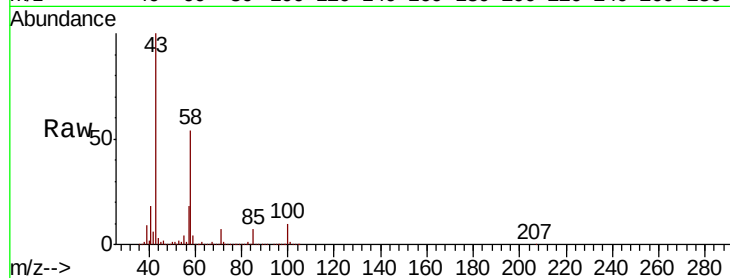




#48
2-Hexanone
Concen: 122.864 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

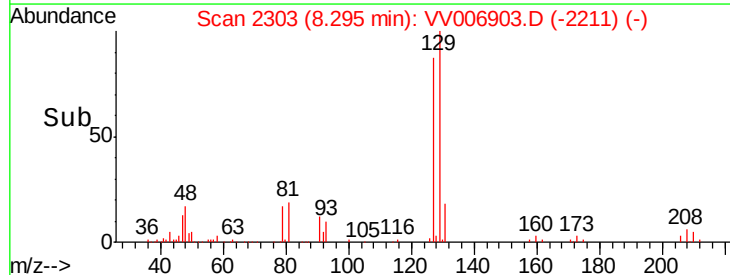
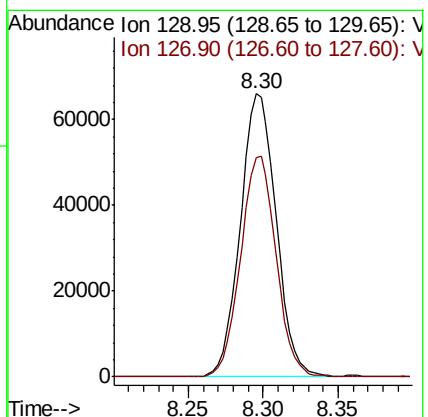
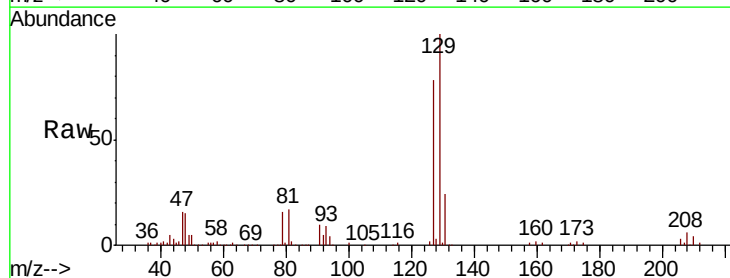
Instrument :
MSVOA_V
ClientSampleId :

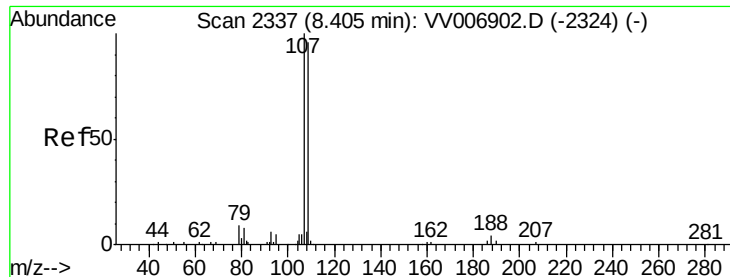
Tot Ion: 43 Resp: 712249
Ion Ratio Lower Upper
43 100
58 54.0 42.0 63.0
57 18.0 14.1 21.1
100 10.1 8.1 12.1



#49
Dibromochloromethane
Concen: 10.117 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

Tgt Ion: 129 Resp: 110135
Ion Ratio Lower Upper
129 100
127 77.6 57.0 105.8

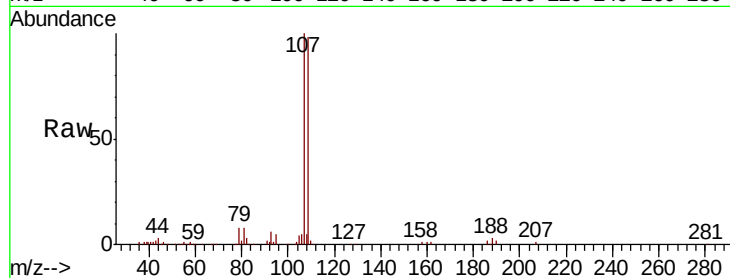




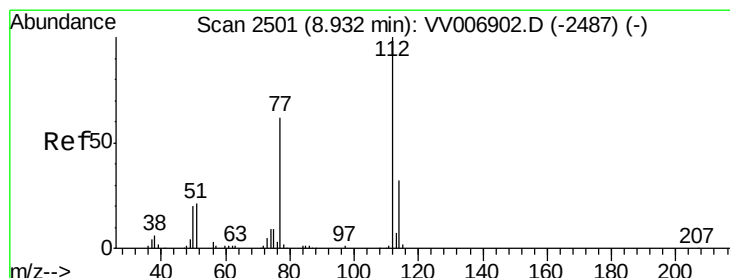
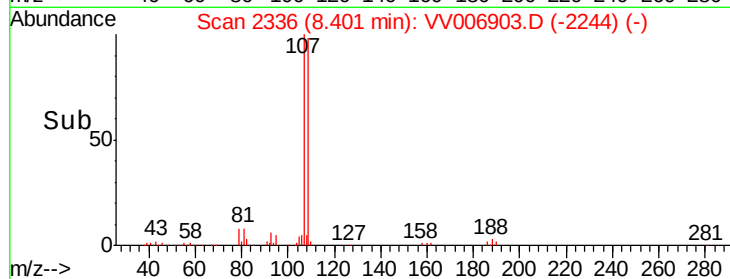
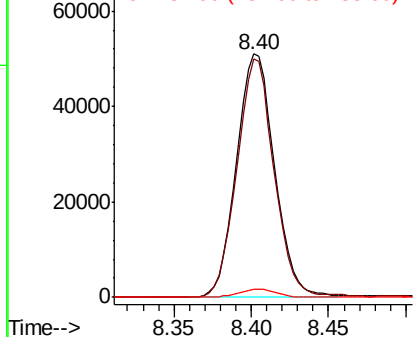
#50
1,2-Dibromoethane
Concen: 9.683 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 87263
Ion Ratio Lower Upper
107 100
109 97.8 67.1 124.7
188 3.1 3.0 4.4

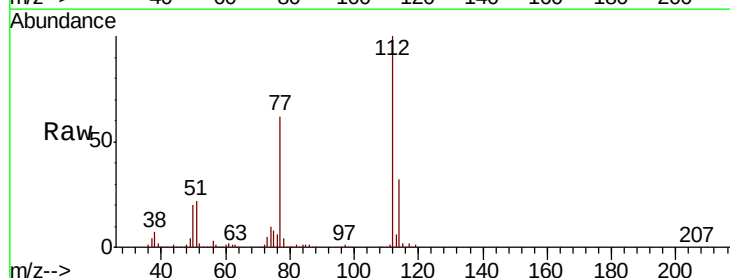


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

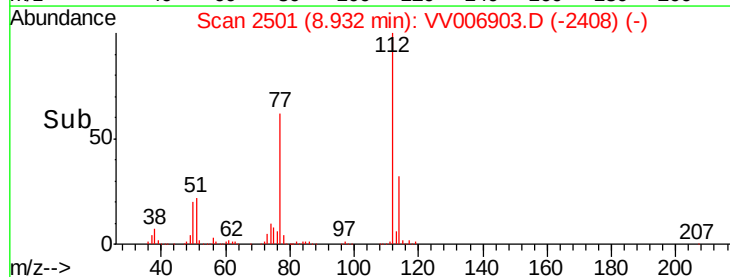
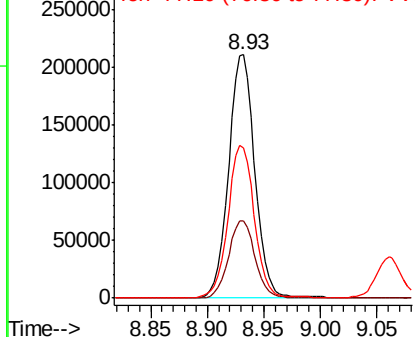


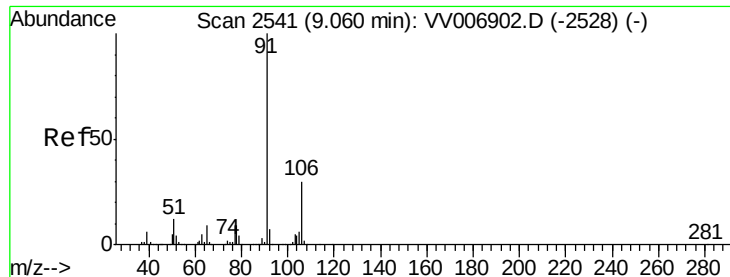
#51
Chlorobenzene
Concen: 9.672 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

Tgt Ion:112 Resp: 340645
Ion Ratio Lower Upper
112 100
114 31.6 22.6 42.0
77 61.9 50.4 75.6



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: 9.980 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

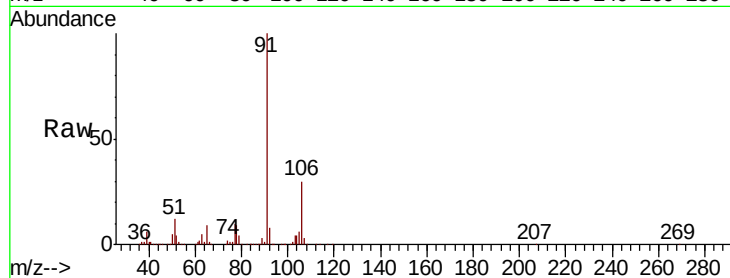
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 572427

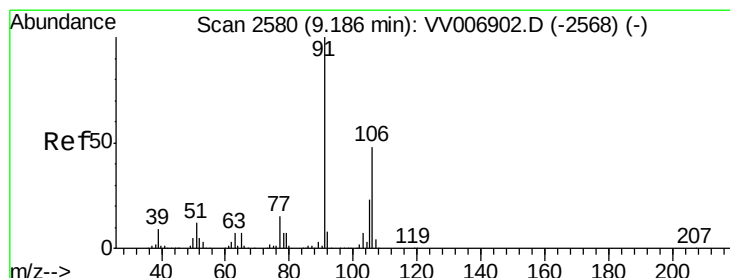
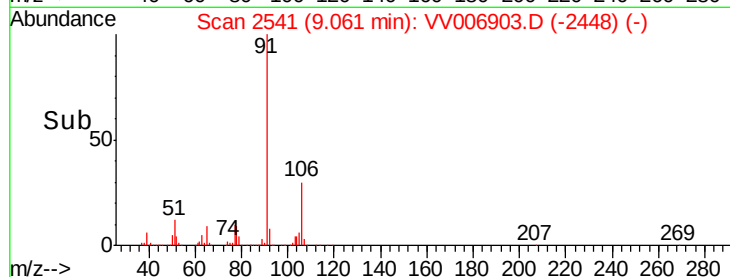
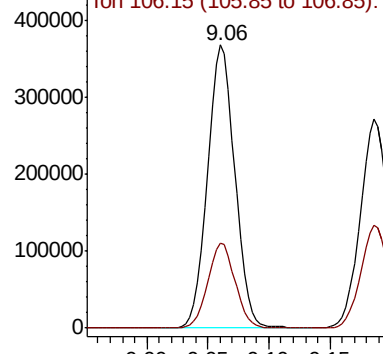
Ion Ratio Lower Upper

91 100

106 30.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV006903.D (-2448) (-)



#53

m,p-xylene

Concen: 10.227 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006903.D

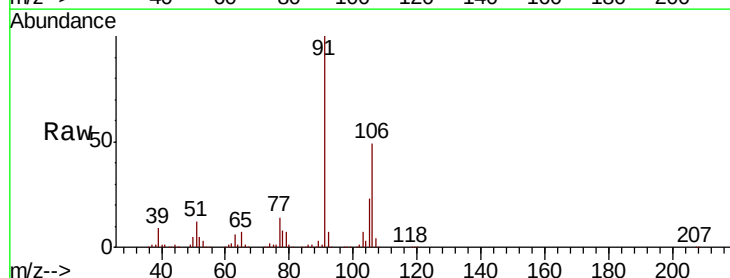
Acq: 07 Aug 2018 17:42

Tgt Ion: 106 Resp: 215991

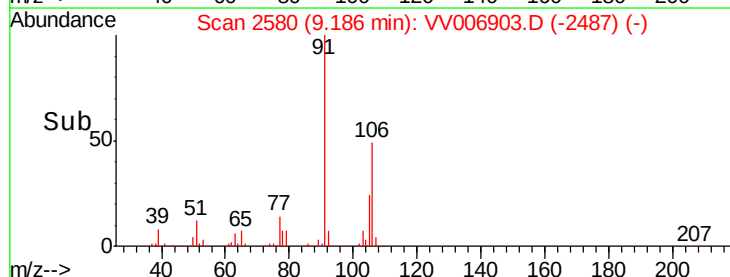
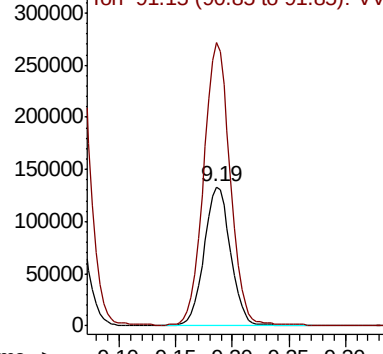
Ion Ratio Lower Upper

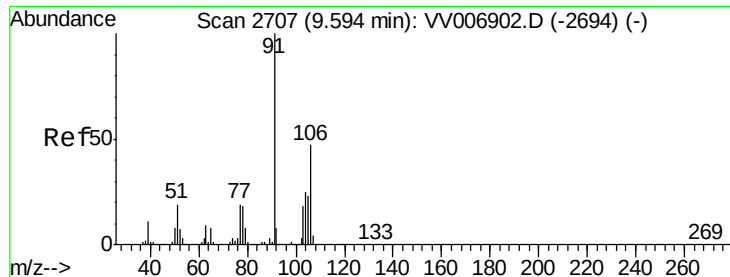
106 100

91 203.5 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): VV006903.D (-2487) (-)

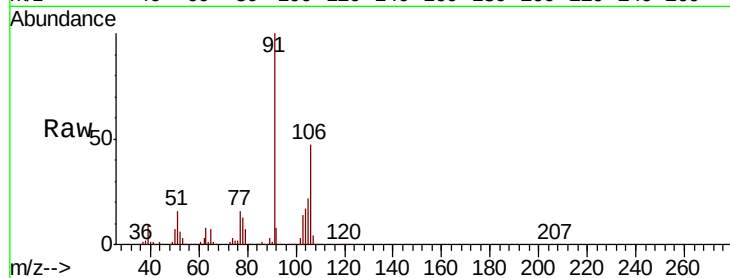




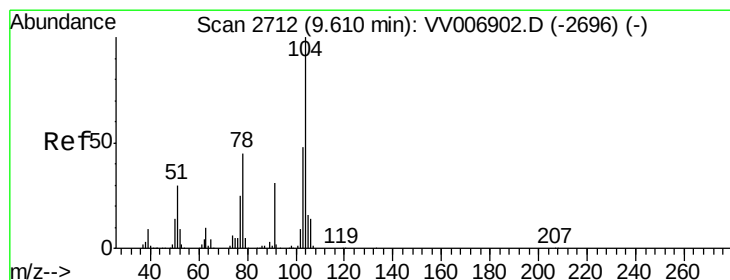
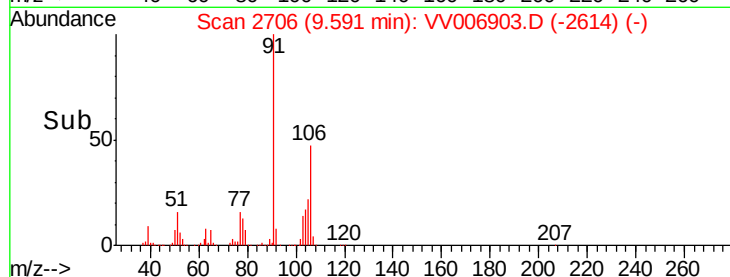
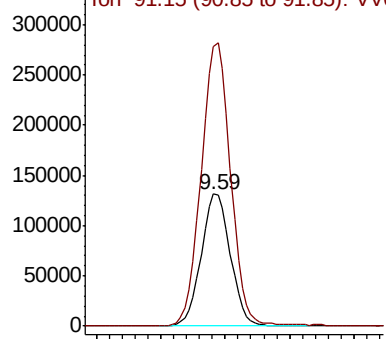
#54
o-xylene
Concen: 9.661 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 206144
Ion Ratio Lower Upper
106 100
91 212.6 149.9 278.3

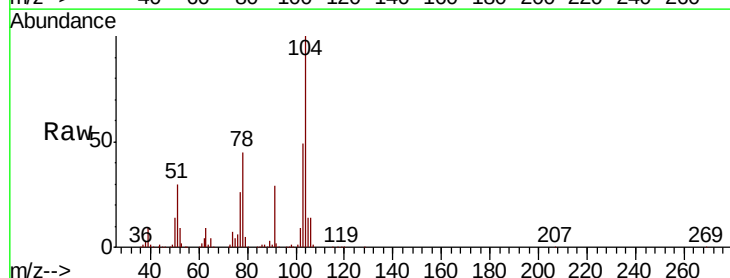


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

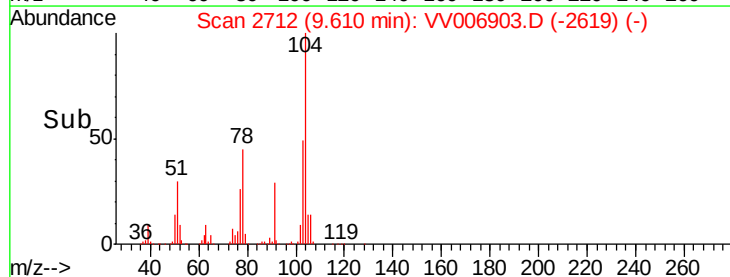
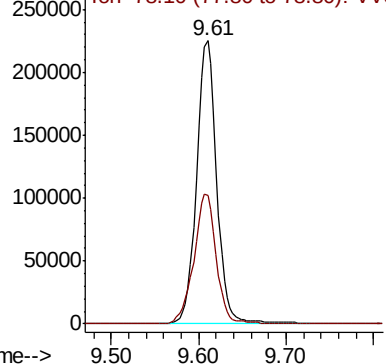


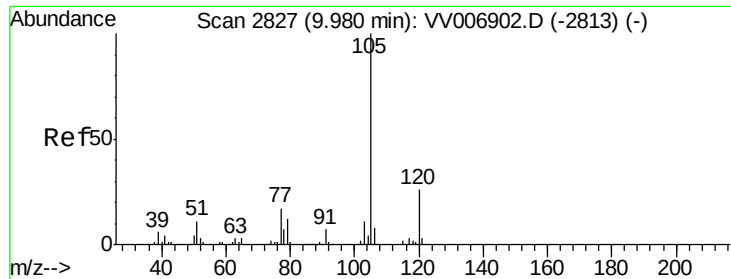
#55
Styrene
Concen: 10.671 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006903.D
Acq: 07 Aug 2018 17:42

Tgt Ion:104 Resp: 360826
Ion Ratio Lower Upper
104 100
78 45.3 31.8 59.0



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





#56

Isopropylbenzene

Concen: 9.976 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

Instrument :

MSVOA_V

ClientSampleId :

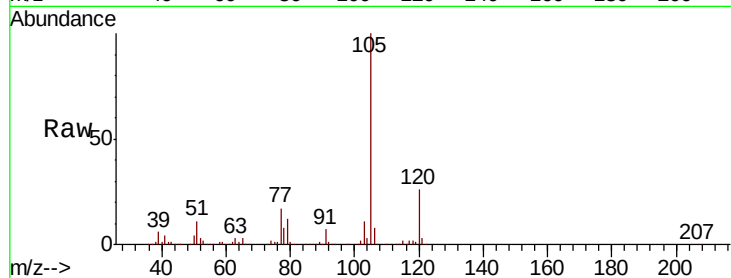
Tot Ion:105 Resp: 540767

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

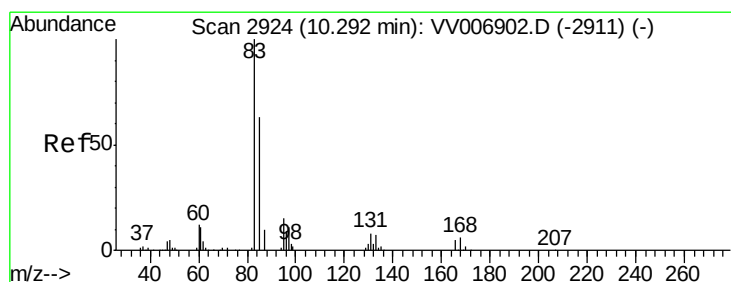
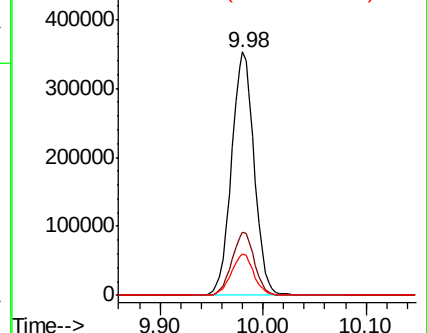
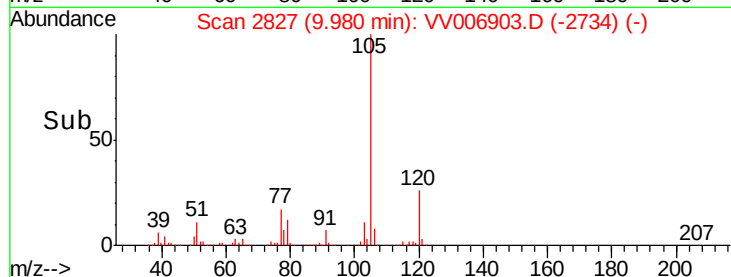
77 16.8 13.7 20.5



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: 9.864 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

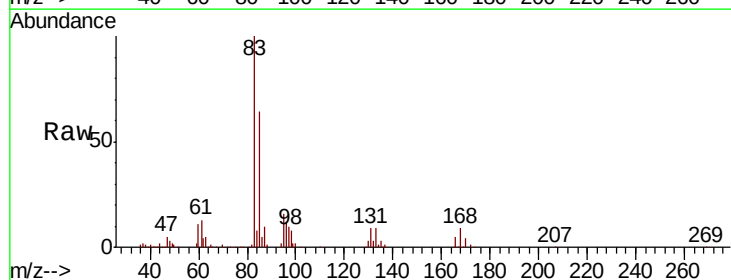
Tgt Ion: 83 Resp: 129005

Ion Ratio Lower Upper

83 100

85 64.3 44.4 82.4

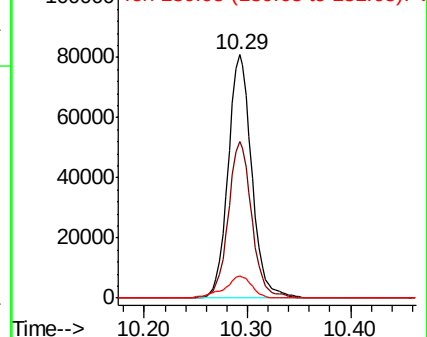
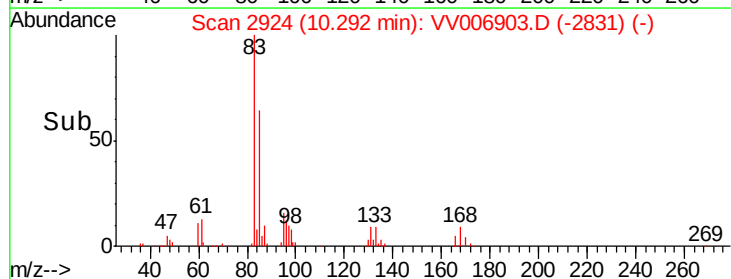
131 9.3 6.6 9.8

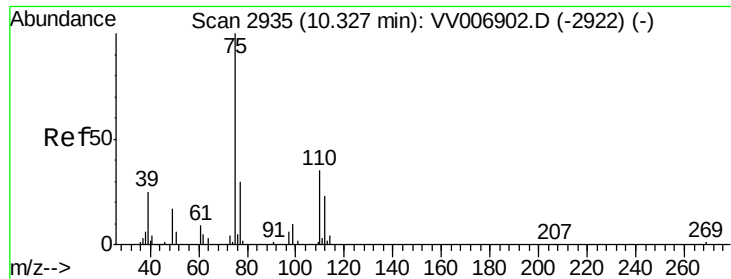


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.998 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

Instrument :

MSVOA_V

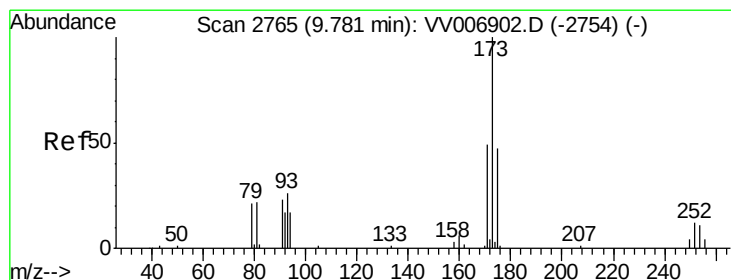
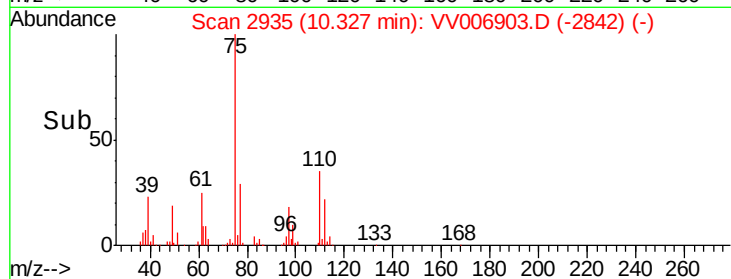
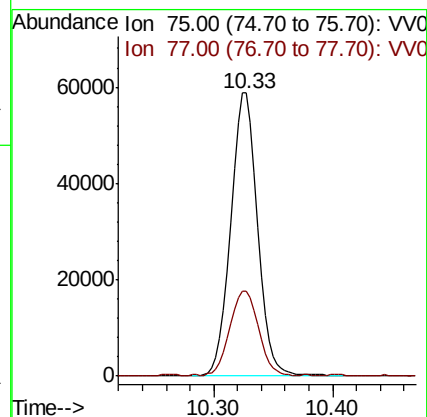
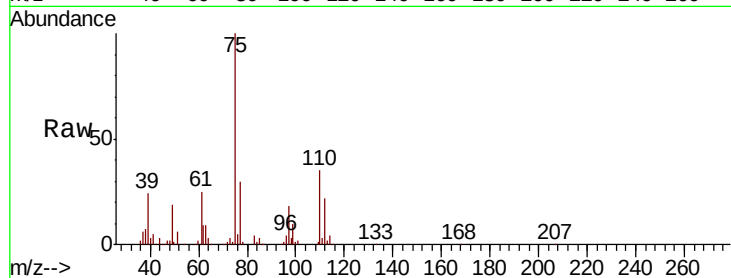
ClientSampleId :

Tot Ion: 75 Resp: 91908

Ion Ratio Lower Upper

75 100

77 31.5 24.5 36.7



#61

Bromoform

Concen: 10.009 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

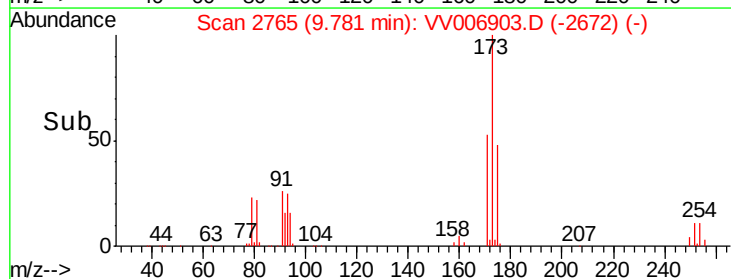
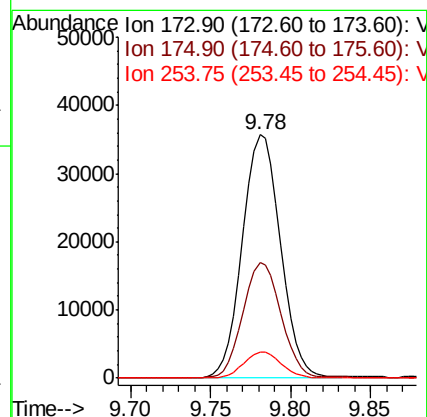
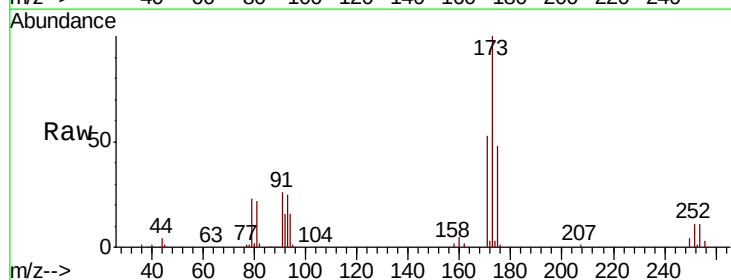
Tgt Ion: 173 Resp: 58093

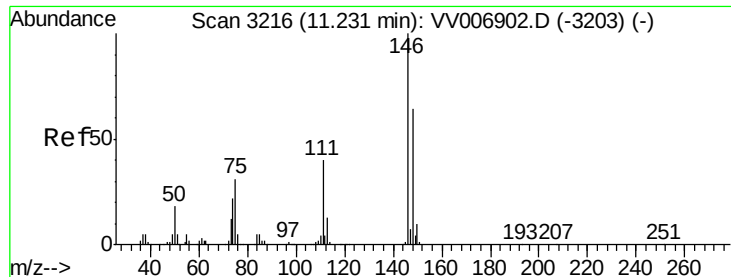
Ion Ratio Lower Upper

173 100

175 47.7 37.9 56.9

254 10.6 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 9.081 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006903.D

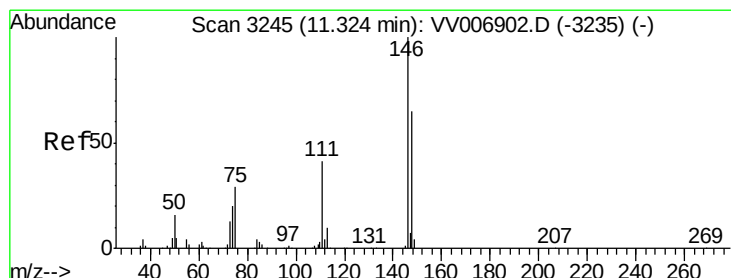
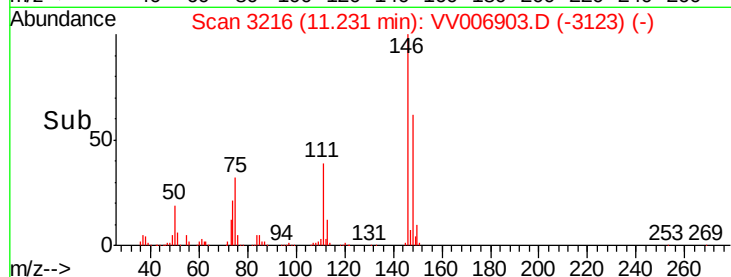
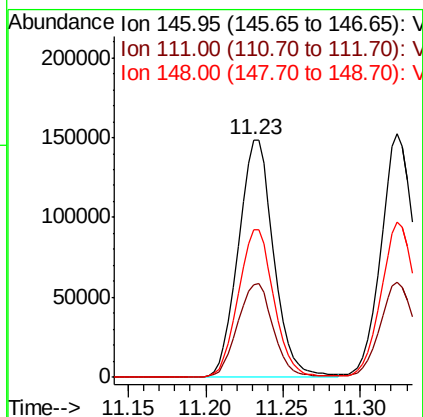
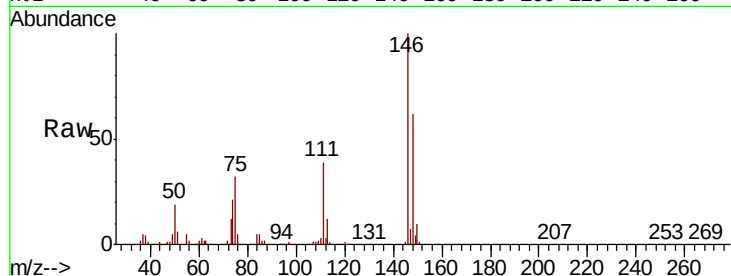
Acq: 07 Aug 2018 17:42

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	236422
Ion Ratio	Lower	Upper
146	100	
111	39.2	28.1 52.1
148	62.2	45.0 83.6



#63

1,4-Dichlorobenzene

Concen: 9.289 ug/L

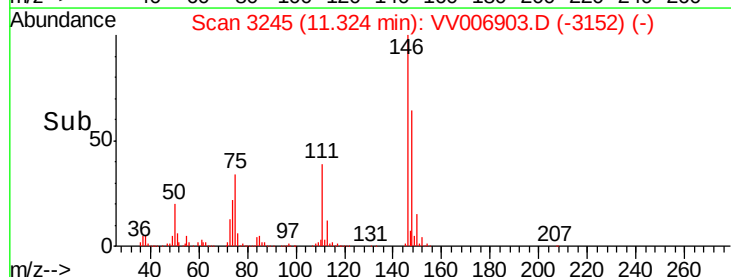
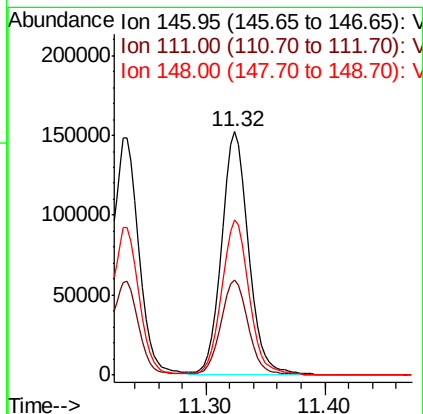
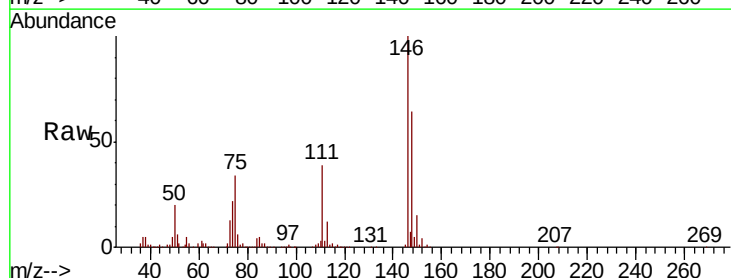
RT: 11.32 min Scan# 3245

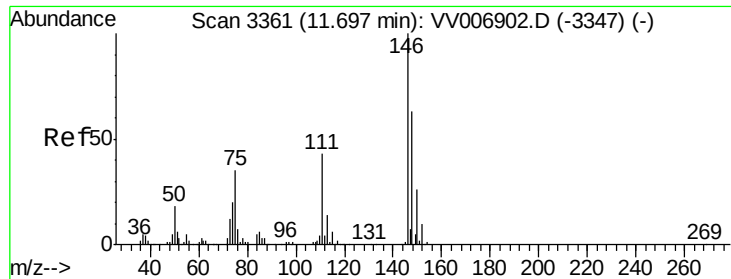
Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

Tgt Ion:146	Resp:	239444
Ion Ratio	Lower	Upper
146	100	
111	39.2	29.0 53.9
148	63.6	45.7 84.9





#65

1,2-Dichlorobenzene

Concen: 9.498 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

Instrument :

MSVOA_V

ClientSampleId :

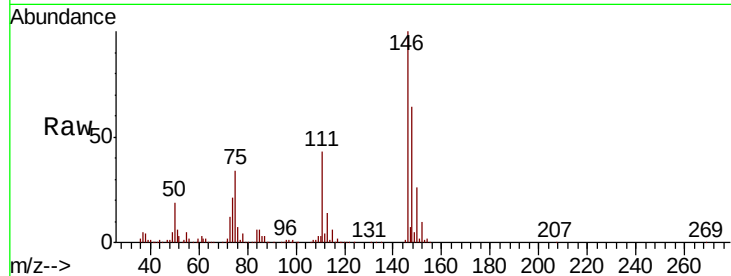
Tot Ion:146 Resp: 243602

Ion Ratio Lower Upper

146 100

111 43.3 34.5 51.7

148 63.7 50.3 75.5

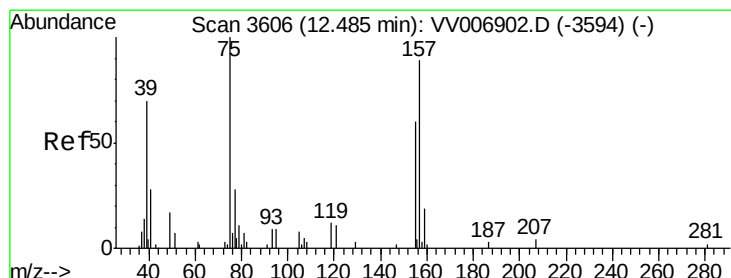
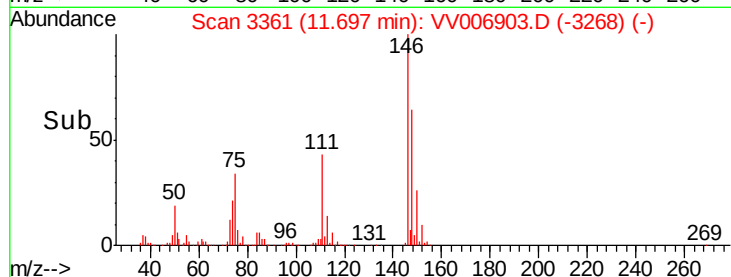
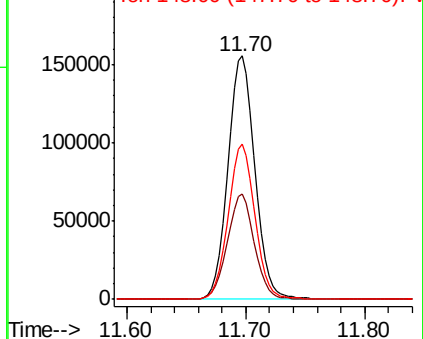


Abundance

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: 9.974 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

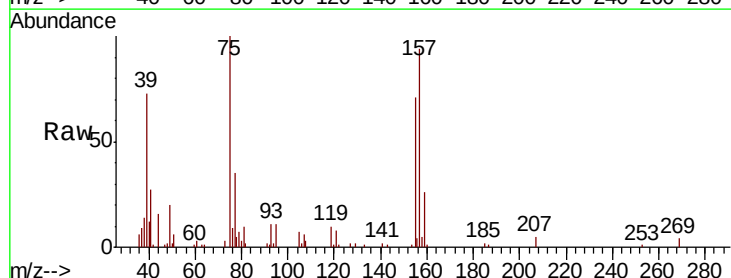
Tgt Ion: 75 Resp: 18789

Ion Ratio Lower Upper

75 100

155 70.6 48.1 72.1

157 93.7 71.4 107.0

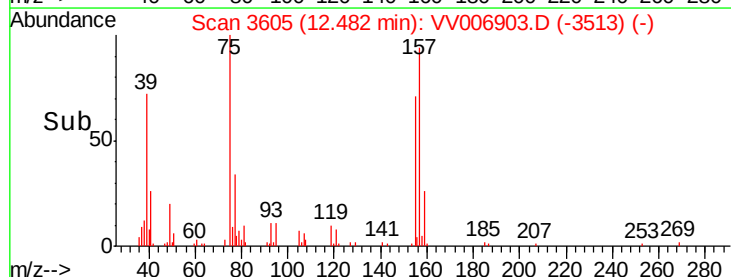
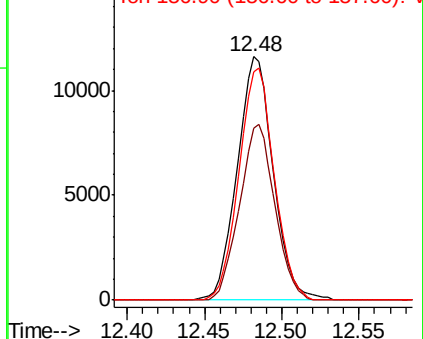


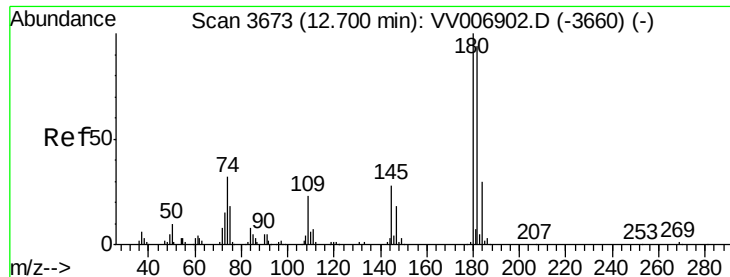
Abundance

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

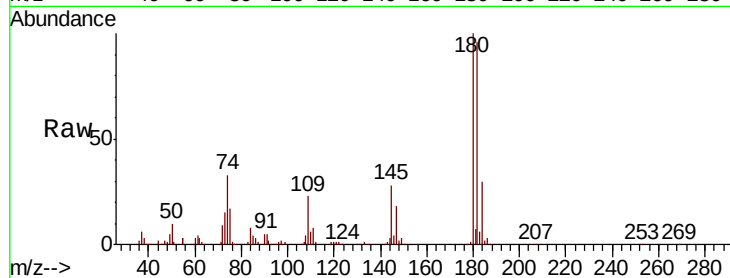




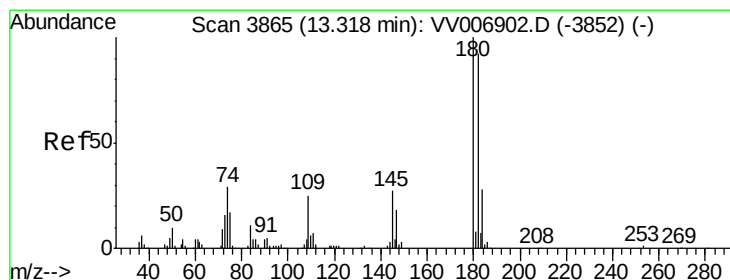
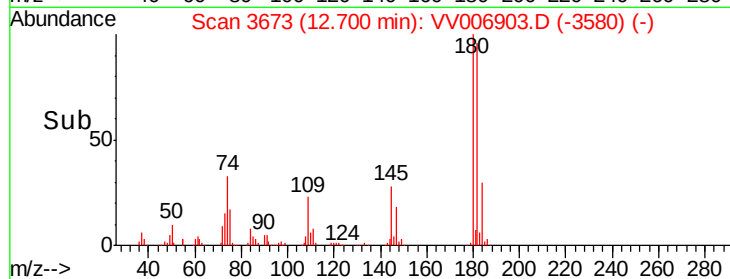
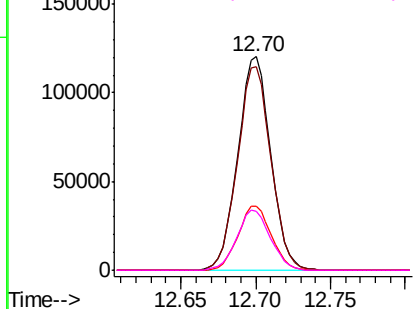
#67
 1,3,5-Trichlorobenzene
 Concen: 9.231 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006903.D
 Acq: 07 Aug 2018 17:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	184285
Ion Ratio	Lower	Upper
180	100	
182	96.7	75.8 113.8
184	30.4	23.8 35.6
145	28.9	22.4 33.6

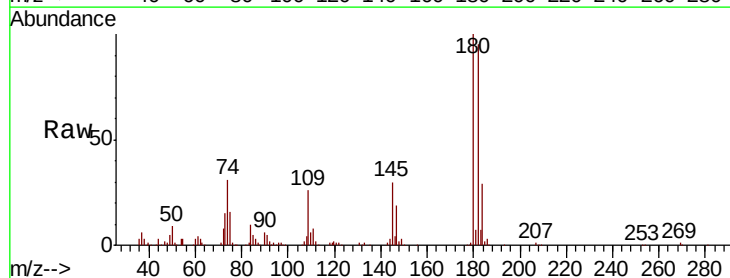


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

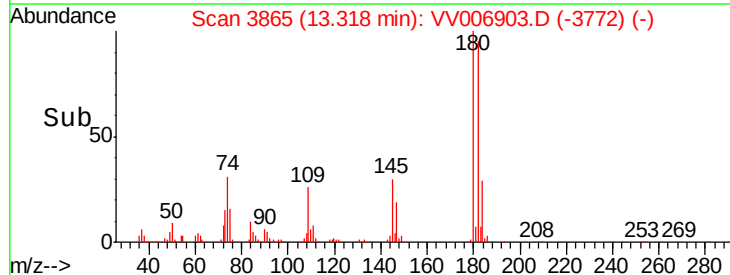
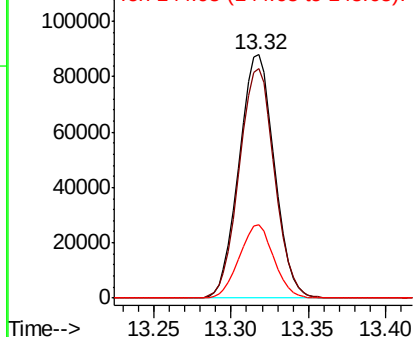


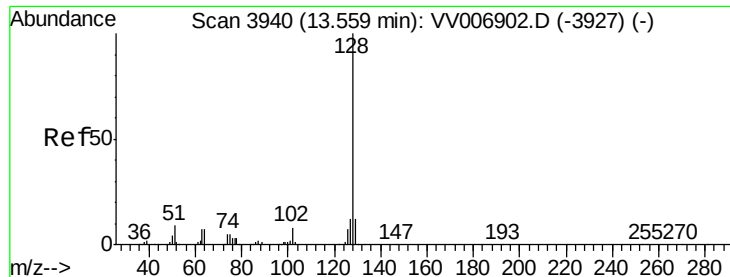
#68
 1,2,4-trichlorobenzene
 Concen: 9.083 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006903.D
 Acq: 07 Aug 2018 17:42

Tgt Ion:180	Resp:	139753
Ion Ratio	Lower	Upper
180	100	
182	94.7	71.8 107.8
145	29.5	21.0 31.6



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: 8.320 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

Instrument :

MSVOA_V

ClientSampleId :

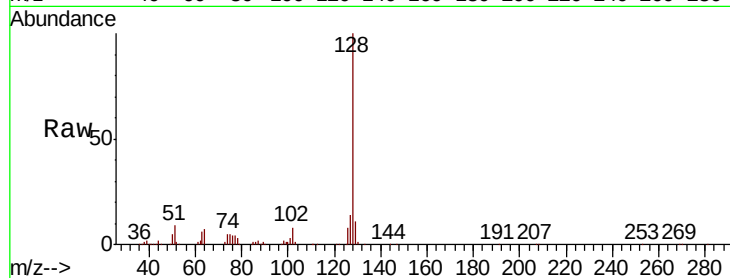
Tot Ion:128 Resp: 218122

Ion Ratio Lower Upper

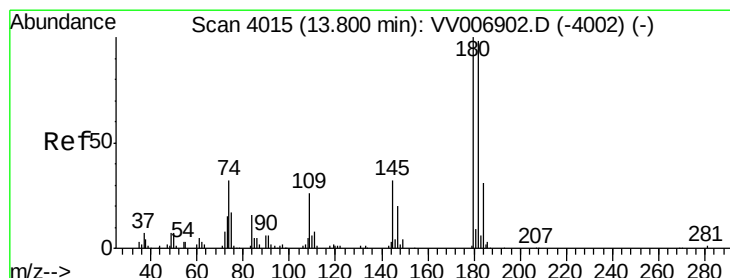
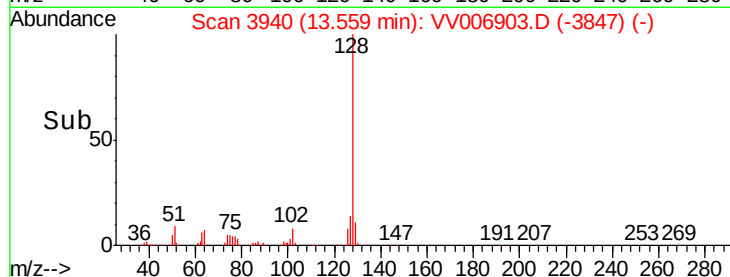
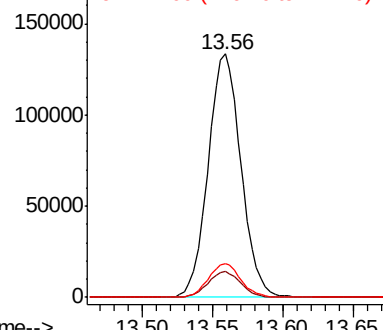
128 100

129 10.6 9.3 13.9

127 13.7 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.257 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006903.D

Acq: 07 Aug 2018 17:42

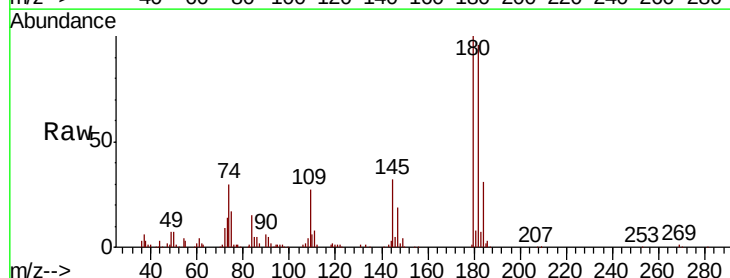
Tgt Ion:180 Resp: 137090

Ion Ratio Lower Upper

180 100

182 96.5 77.0 115.6

145 31.8 25.0 37.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

