

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080918\
 Data File : VV006971.D
 Acq On : 10 Aug 2018 00:54
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 10 02:37:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 02:34:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	244612	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	236959	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	108975	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75336	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.58	69	66083	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.13	63	144474	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	3.97	46	268353	59.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.20%
24) Chloroform-d	4.41	84	168227	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.09	65	88050	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
32) Benzene-d6	5.10	84	312916	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.12	67	107107	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.36	98	274016	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloropropene-	7.67	79	35685	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	8.14	63	169839	57.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.72%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	88230	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	94831	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	124306	5.218	ug/L 99
3) Chloromethane	1.25	50	104626	4.564	ug/L 97
5) Vinyl chloride	1.32	62	117816	4.973	ug/L 93
6) Bromomethane	1.54	94	17080	3.321	ug/L 97
8) Chloroethane	1.60	64	72827	5.066	ug/L 90
9) Trichlorofluoromethane	1.77	101	155337	5.152	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	93647	5.176	ug/L 99
12) 1,1-Dichloroethene	2.14	96	87817	4.999	ug/L 88
13) Acetone	2.21	43	141007	60.307	ug/L 100
14) Carbon disulfide	2.32	76	294248	5.074	ug/L 99
15) Methyl Acetate	2.47	43	37206	5.654	ug/L 94
16) Methylene chloride	2.54	84	99871	4.716	ug/L 98
17) Methyl tert-butyl Ether	2.82	73	223027	5.295	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	96292	5.120	ug/L 97
19) 1,1-Dichloroethane	3.23	63	182603	5.378	ug/L 98
21) 2-Butanone	4.05	43	306537	60.383	ug/L 100
22) cis-1,2-Dichloroethene	3.97	96	124277	5.823	ug/L 94

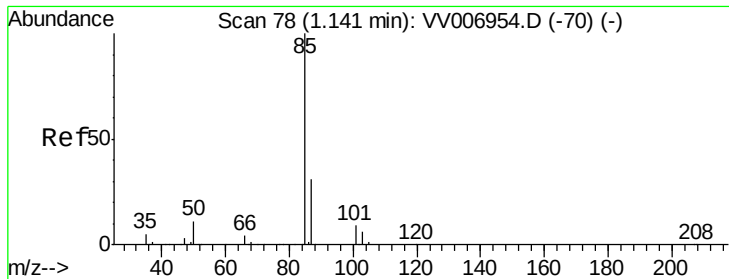
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080918\
 Data File : VV006971.D
 Acq On : 10 Aug 2018 00:54
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 02:34:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	46879	5.389	ug/L	93
25) Chloroform	4.43	83	191141	5.145	ug/L	100
27) 1,2-Dichloroethane	5.19	62	121516	5.245	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	160064	5.066	ug/L	100
30) Cyclohexane	4.73	56	163943	4.985	ug/L	100
31) Carbon tetrachloride	4.88	117	134295	5.068	ug/L	98
33) Benzene	5.15	78	430854	5.248	ug/L	100
34) Trichloroethene	5.96	95	100859	5.124	ug/L	94
35) Methylcyclohexane	6.18	83	158496	5.015	ug/L	99
37) 1,2-Dichloropropane	6.23	63	115366	5.134	ug/L	100
38) Bromodichloromethane	6.56	83	130897	5.127	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	131655	4.850	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	690410	56.879	ug/L	99
42) Toluene	7.44	91	427170	5.415	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	111245	4.993	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	77364	5.292	ug/L	95
47) Tetrachloroethene	8.02	164	81591	5.112	ug/L	98
48) 2-Hexanone	8.20	43	510943	59.683	ug/L	100
49) Dibromochloromethane	8.30	129	84812	5.531	ug/L	100
50) 1,2-Dibromoethane	8.40	107	67264	5.447	ug/L #	98
51) Chlorobenzene	8.93	112	261835	5.207	ug/L	100
52) Ethylbenzene	9.06	91	411479	5.224	ug/L	99
53) m,p-xylene	9.19	106	154520	5.262	ug/L	100
54) o-xylene	9.59	106	145651	5.235	ug/L	100
55) Styrene	9.61	104	252994	5.394	ug/L	99
56) Isopropylbenzene	9.98	105	378856	5.190	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	96522	5.432	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	68607	5.454	ug/L	97
61) Bromoform	9.78	173	44868	5.436	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	181692	5.152	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	187981	5.201	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	184090	5.307	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12939	5.254	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	138120	5.175	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	105132	5.367	ug/L	99
69) Naphthalene	13.56	128	150417	5.348	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	102223	5.414	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.218 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_V

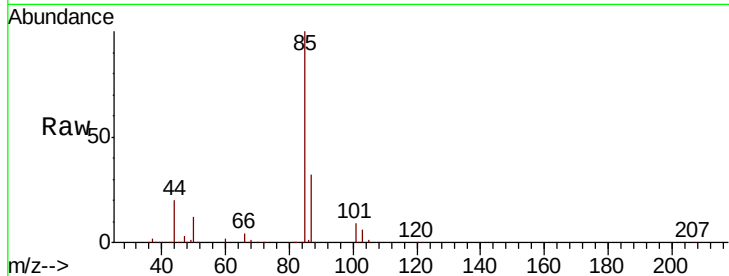
ClientSampled :

Tot Ion: 85 Resp: 124306

Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV006971.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV006971.D (-1) (-)

1.14

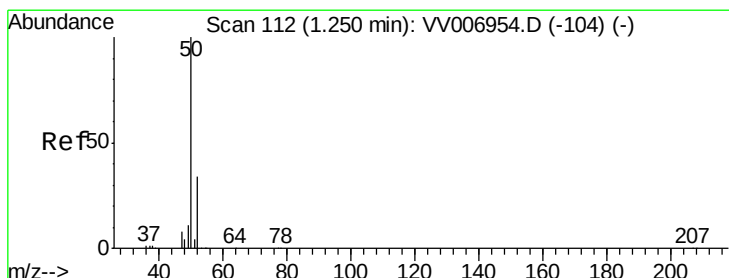
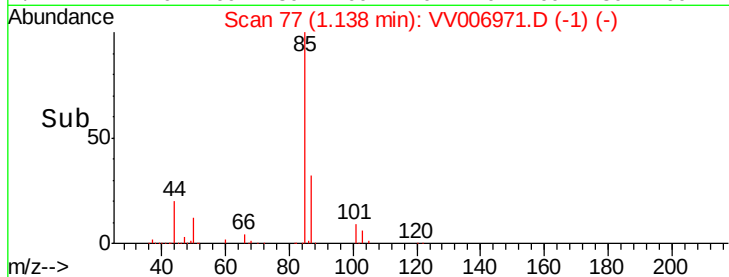
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.564 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006971.D

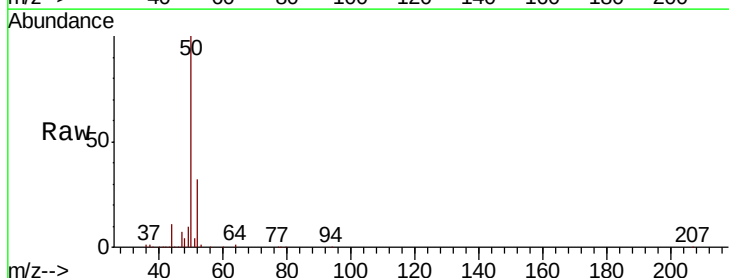
Acq: 10 Aug 2018 00:54

Tgt Ion: 50 Resp: 104626

Ion Ratio Lower Upper

50 100

52 32.2 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VV006971.D (-19) (-)

Ion 52.05 (51.75 to 52.75): VV006971.D (-19) (-)

1.25

120000

100000

80000

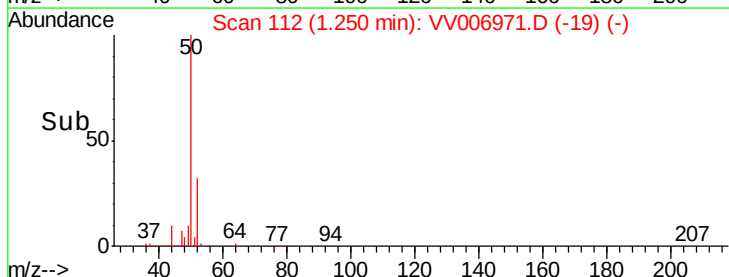
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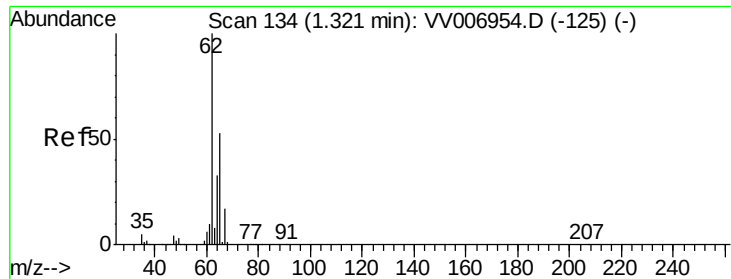
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.973 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_V

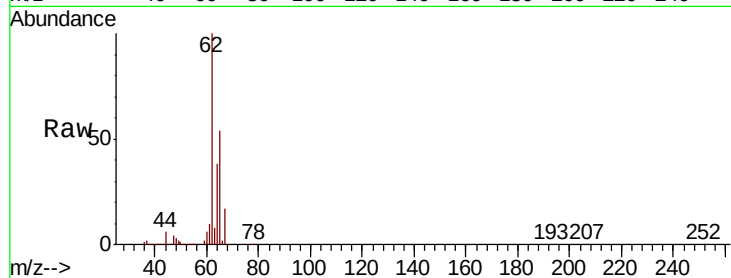
ClientSampled :

Tot Ion: 62 Resp: 117816

Ion Ratio Lower Upper

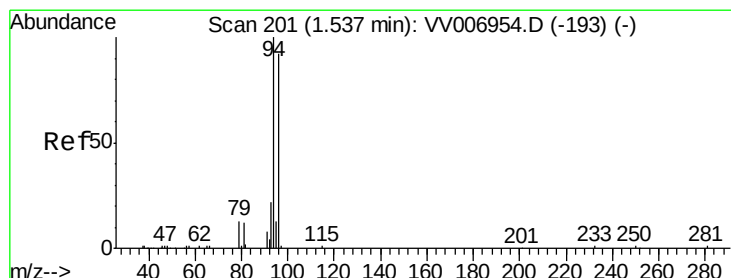
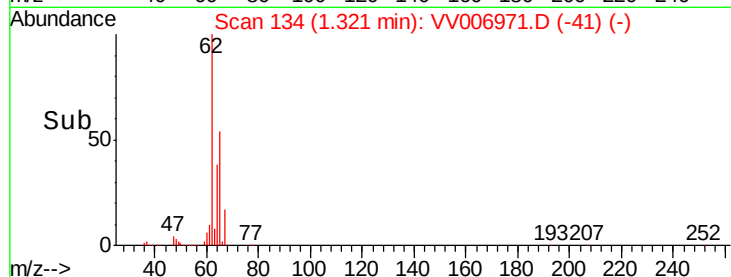
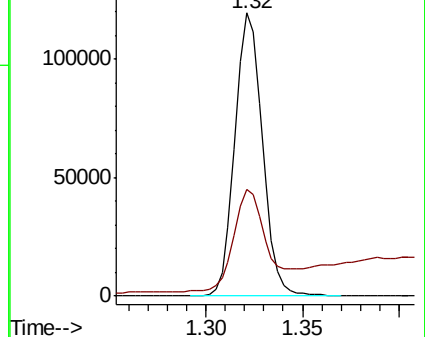
62 100

64 37.8 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV006971.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV006971.D (-125) (-)



#6

Bromomethane

Concen: 3.321 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV006971.D

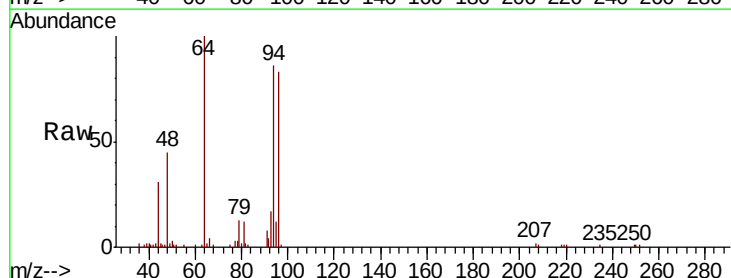
Acq: 10 Aug 2018 00:54

Tgt Ion: 94 Resp: 17080

Ion Ratio Lower Upper

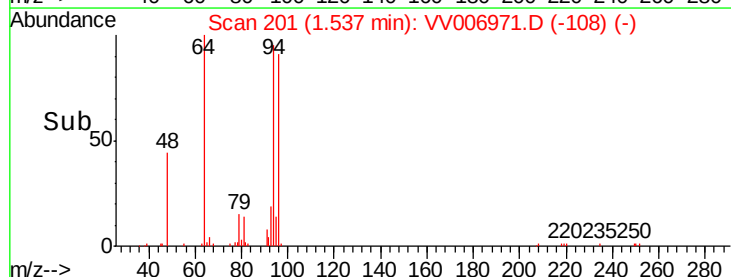
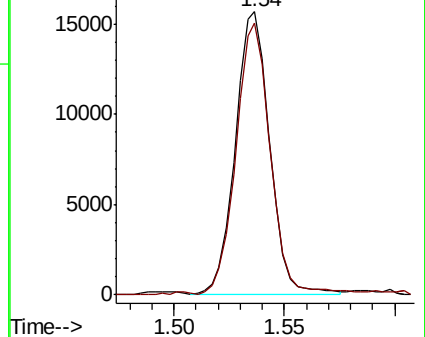
94 100

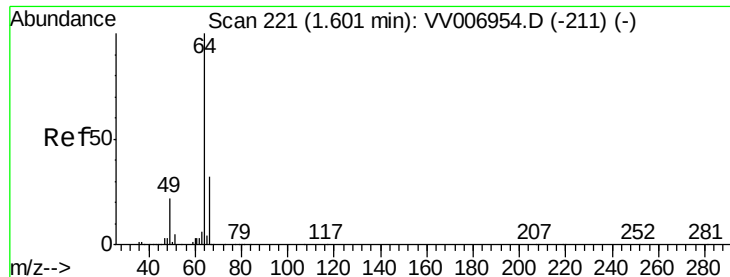
96 95.9 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV006971.D (-193) (-)

Ion 96.00 (95.70 to 96.70): VV006971.D (-193) (-)





#8

Chloroethane

Concen: 5.066 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_V

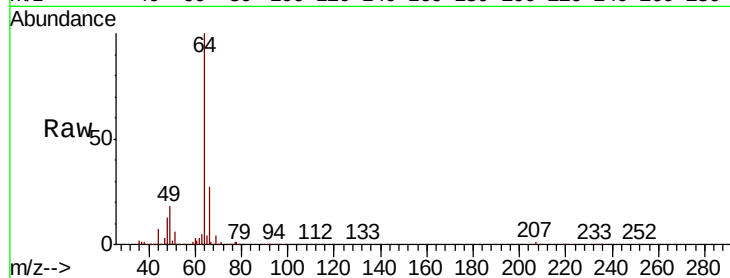
ClientSampleId :

Tot Ion: 64 Resp: 72827

Ion Ratio Lower Upper

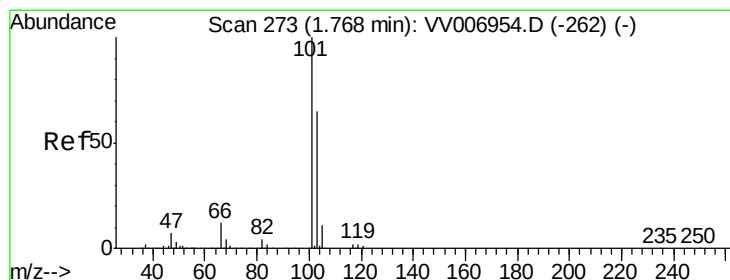
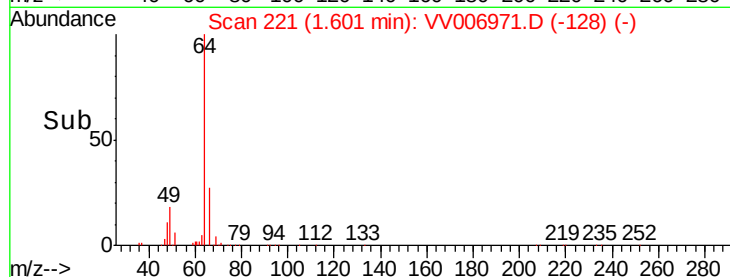
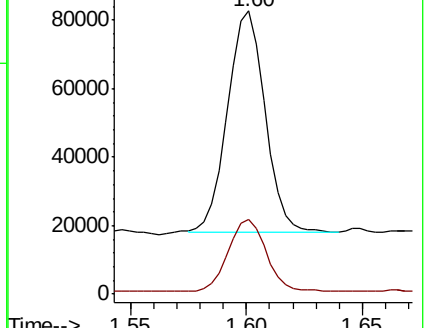
64 100

66 26.5 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV006971.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV006971.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 5.152 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006971.D

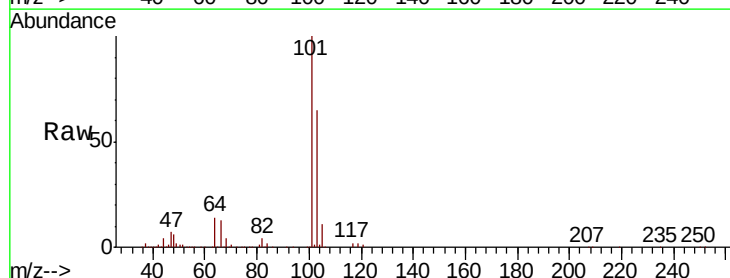
Acq: 10 Aug 2018 00:54

Tgt Ion:101 Resp: 155337

Ion Ratio Lower Upper

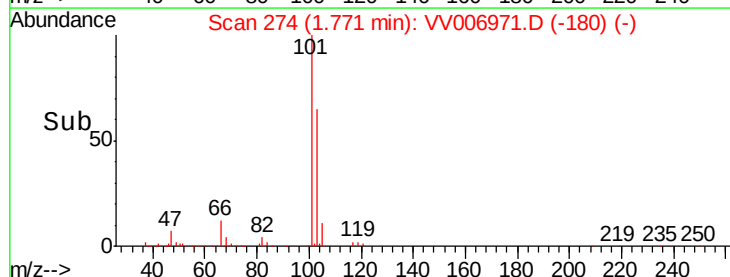
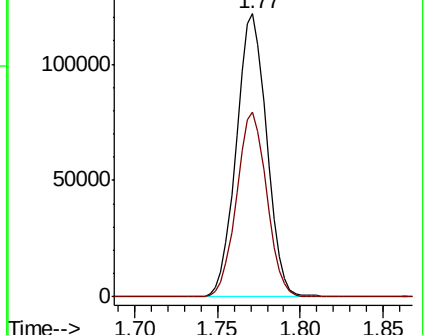
101 100

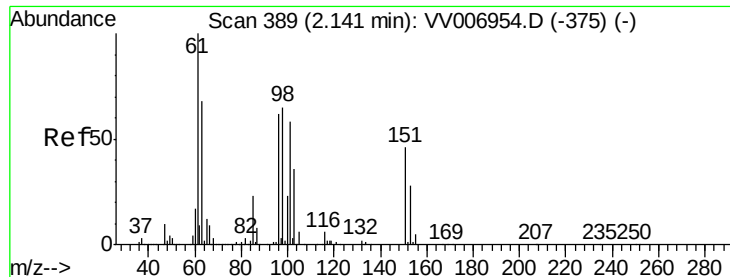
103 64.8 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV006971.D (-180) (-)

Ion 103.00 (102.70 to 103.70): VV006971.D (-180) (-)





#10

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

Concen: 5.176 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_V

ClientSampleId :

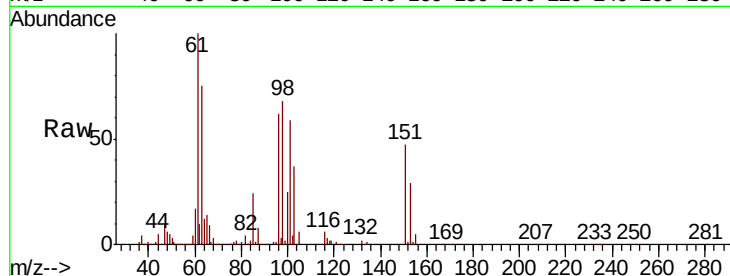
Tot Ion:101 Resp: 93647

Ion Ratio Lower Upper

101 100

85 40.1 33.9 50.9

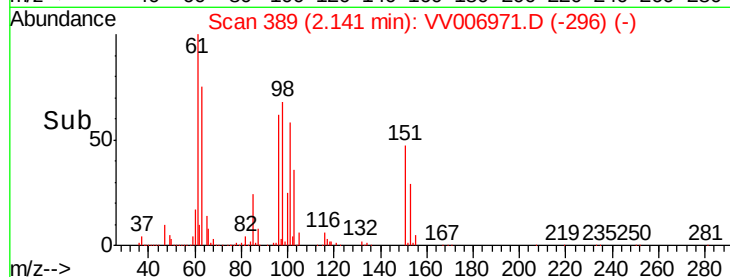
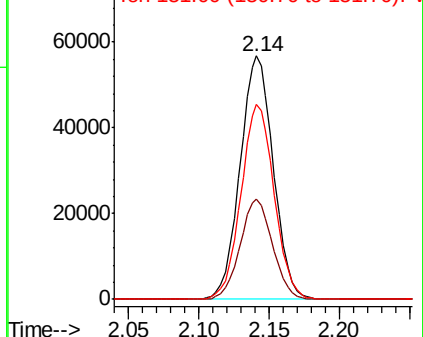
151 80.0 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.999 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

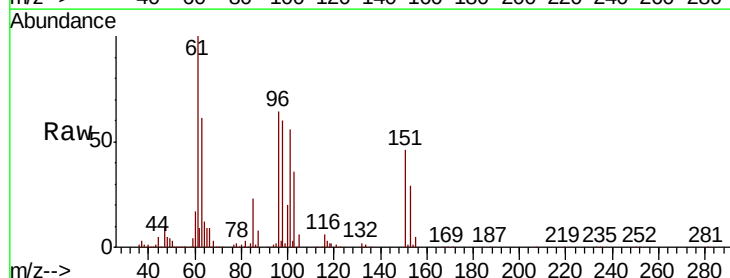
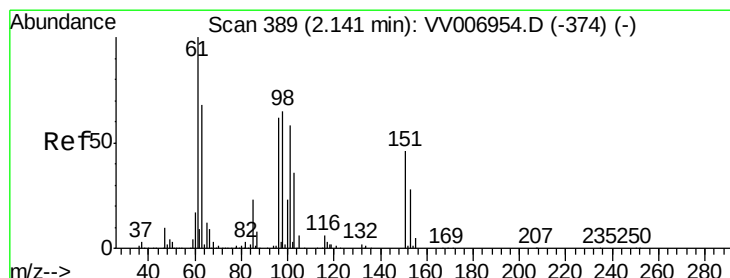
Tgt Ion: 96 Resp: 87817

Ion Ratio Lower Upper

96 100

61 156.1 111.6 207.4

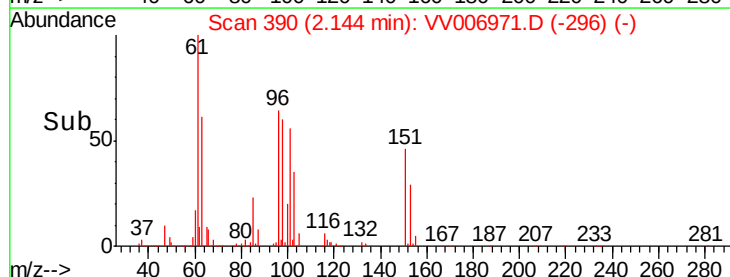
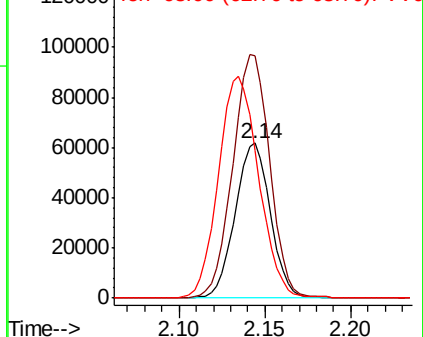
63 94.9 84.9 157.7

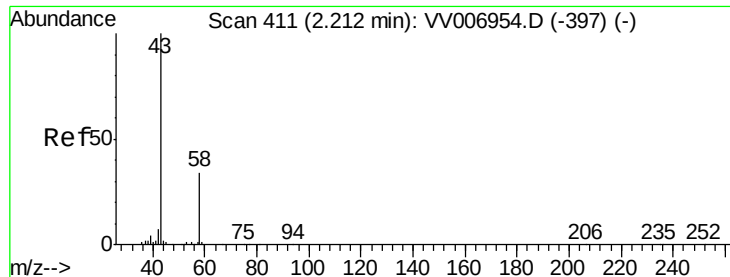


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 60.307 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_V

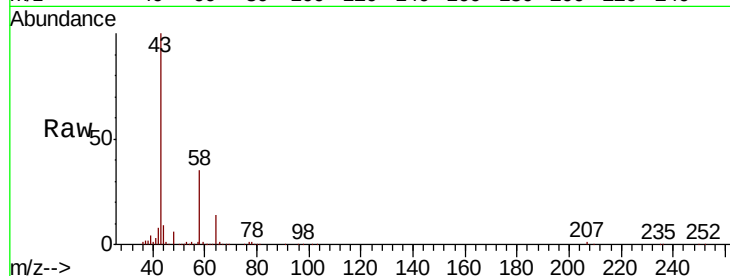
ClientSampleId :

Tot Ion: 43 Resp: 141007

Ion Ratio Lower Upper

43 100

58 35.8 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006954.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VV006954.D (-397) (-)

2.21

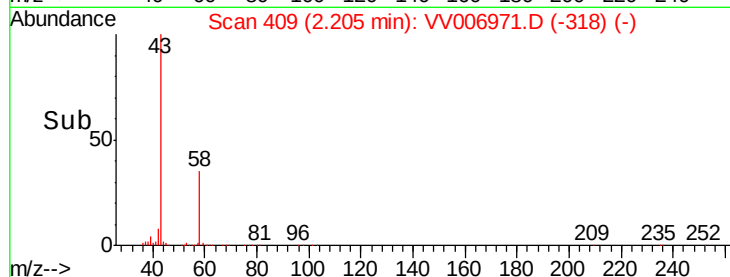
60000

40000

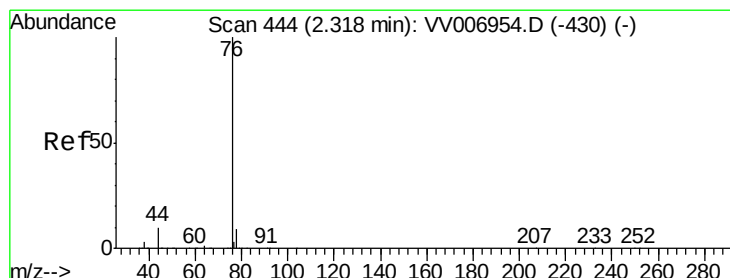
20000

0

Time-->



Time-->



#14

Carbon disulfide

Concen: 5.074 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006971.D

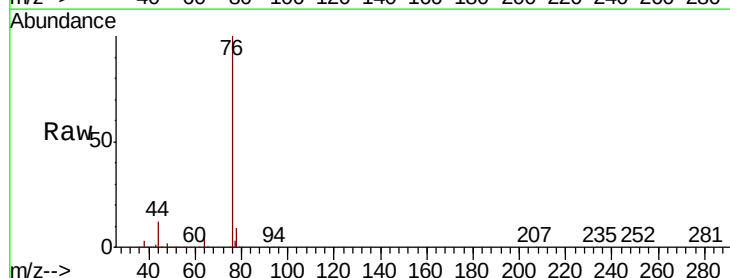
Acq: 10 Aug 2018 00:54

Tgt Ion: 76 Resp: 294248

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV006954.D (-430) (-)

Ion 78.00 (77.70 to 78.70): VV006954.D (-430) (-)

2.32

200000

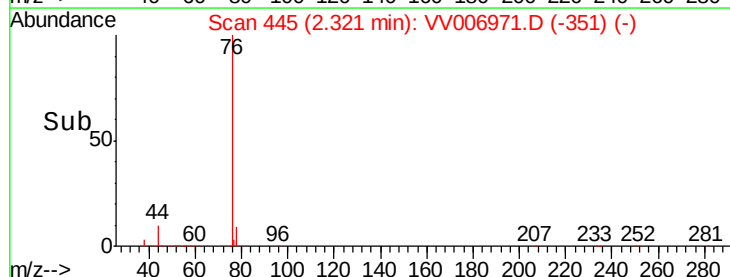
150000

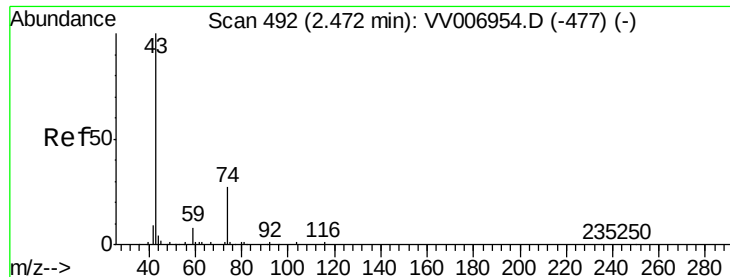
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50000

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Time-->

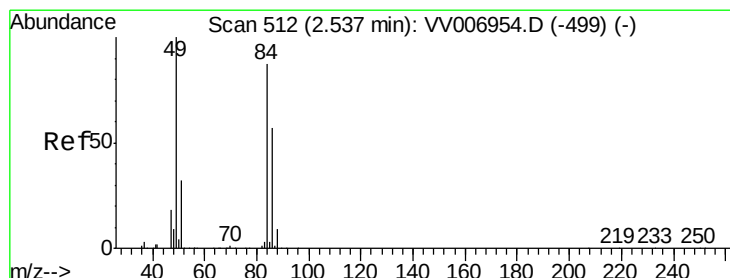
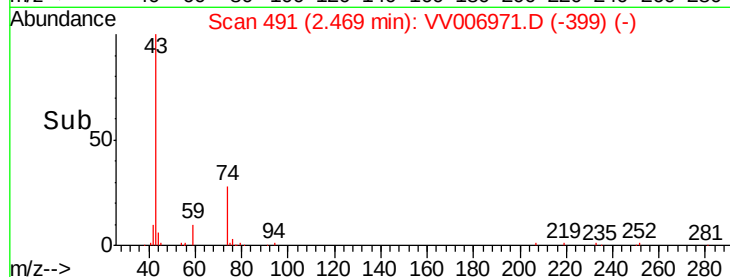
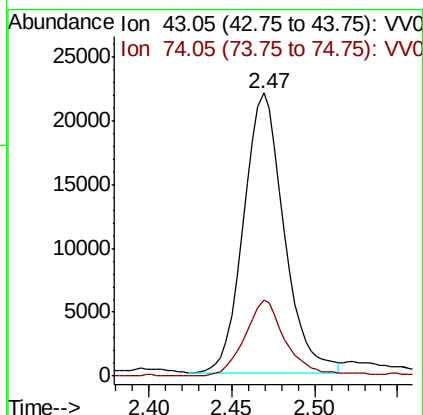
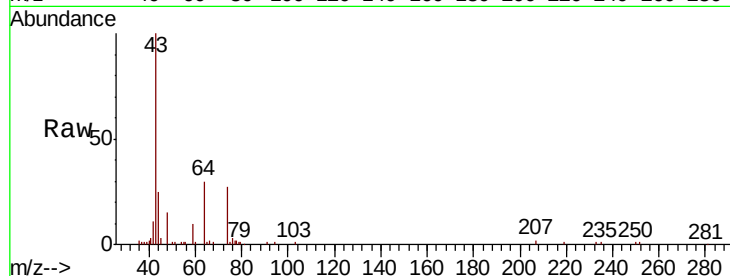




#15
Methvl Acetate
Concen: 5.654 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV006971.D
Acq: 10 Aug 2018 00:54

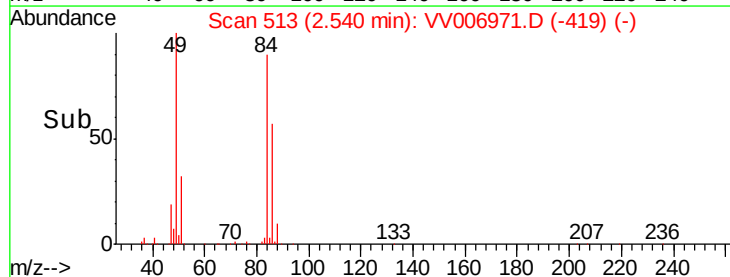
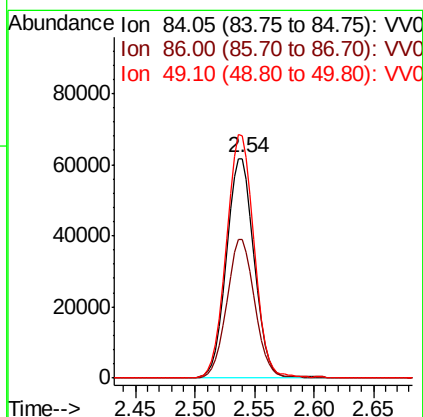
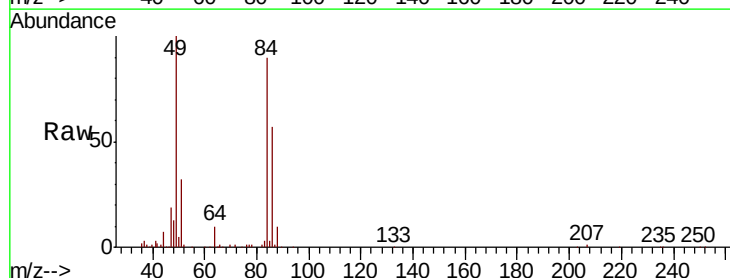
Instrument :
MSVOA_V
ClientSampled :

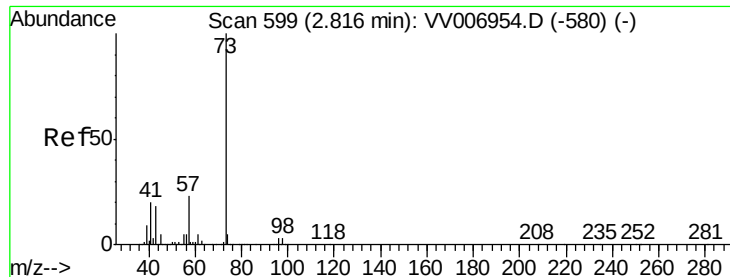
Tot Ion: 43 Resp: 37206
Ion Ratio Lower Upper
43 100
74 27.3 24.6 37.0



#16
Methylene chloride
Concen: 4.716 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006971.D
Acq: 10 Aug 2018 00:54

Tgt Ion: 84 Resp: 99871
Ion Ratio Lower Upper
84 100
86 63.2 45.7 84.9
49 110.7 78.8 146.4



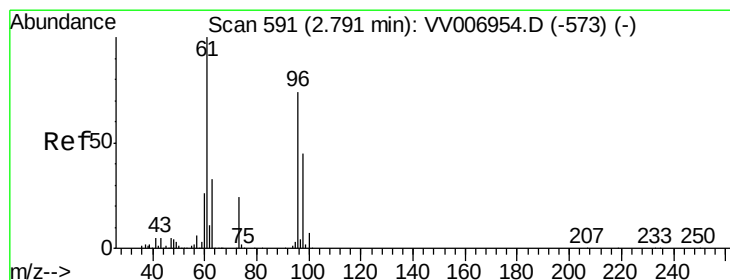
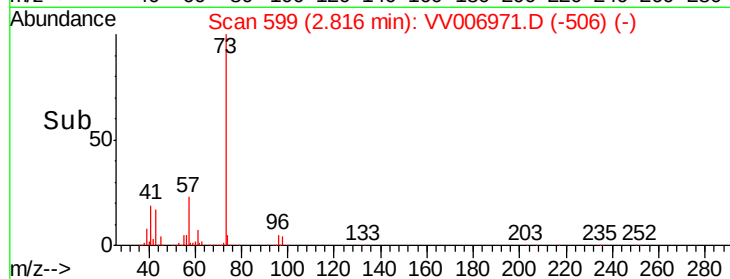
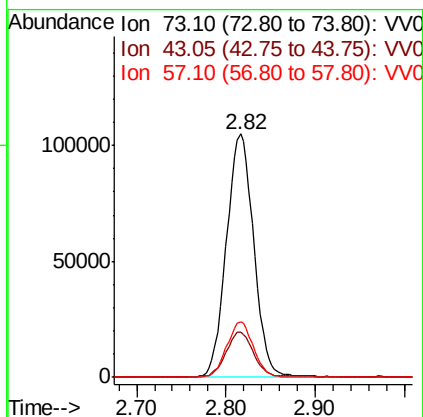
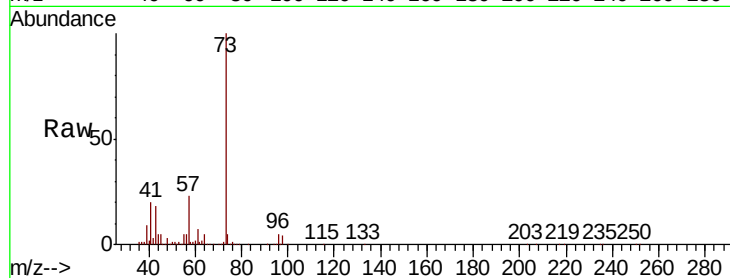


#17

Methyl tert-butyl Ether
 Concen: 5.295 ug/L
 RT: 2.82 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Instrument :
 MSVOA_V
 ClientSampled :

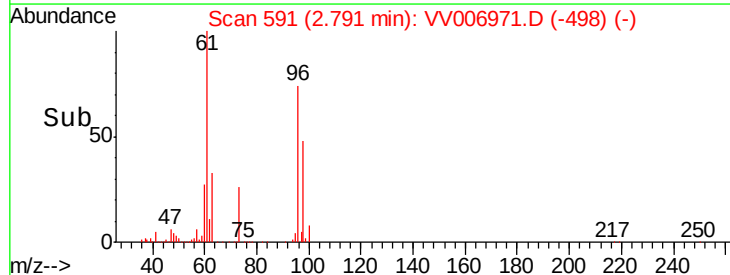
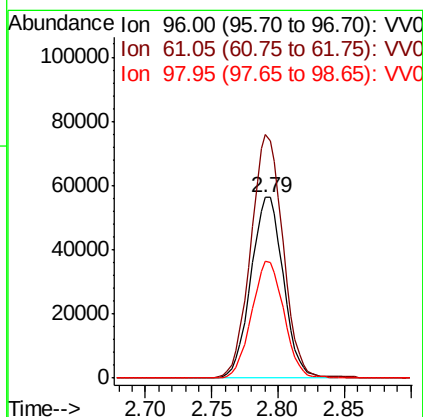
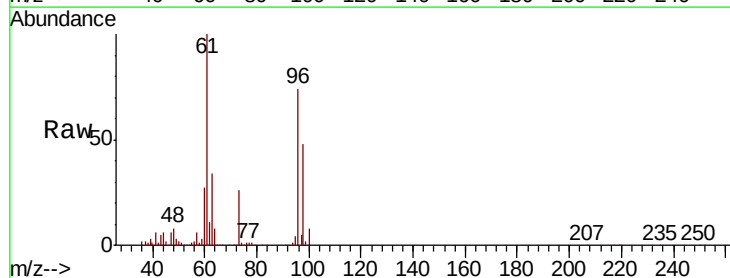
Tot Ion:	73	Resp:	223027
Ion	Ratio	Lower	Upper
73	100		
43	18.3	14.4	21.6
57	22.4	17.9	26.9

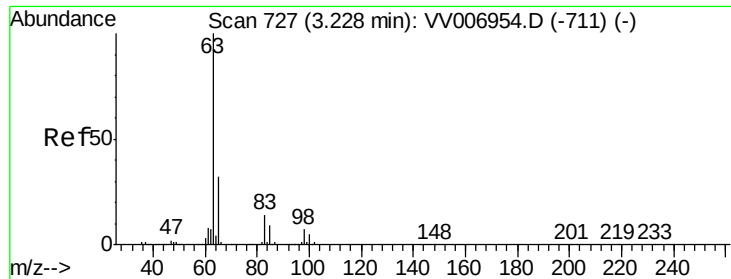


#18

trans-1,2-Dichloroethene
 Concen: 5.120 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Tgt Ion:	96	Resp:	96292
Ion	Ratio	Lower	Upper
96	100		
61	134.6	91.1	169.3
98	64.4	43.5	80.9

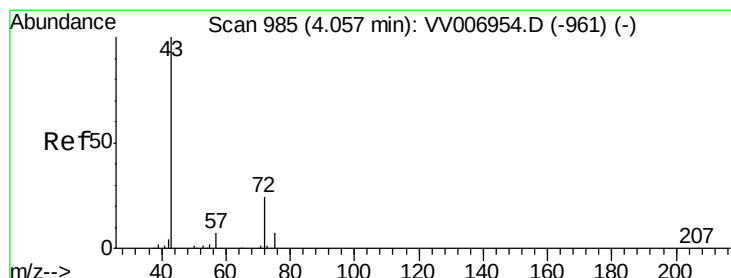
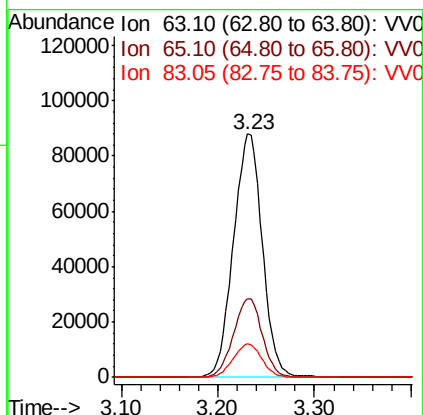
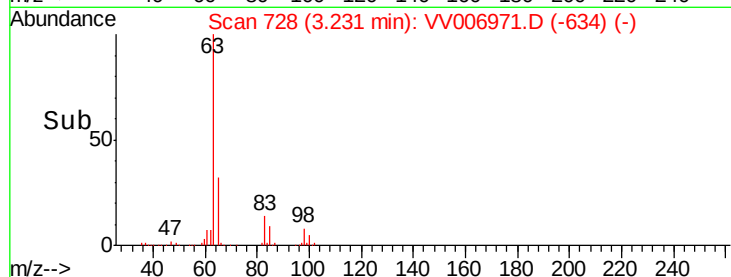
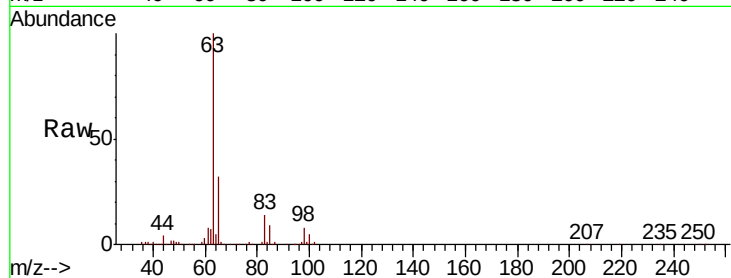




#19
 1,1-Dichloroethane
 Concen: 5.378 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

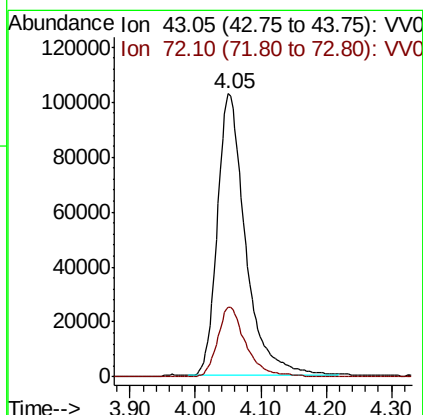
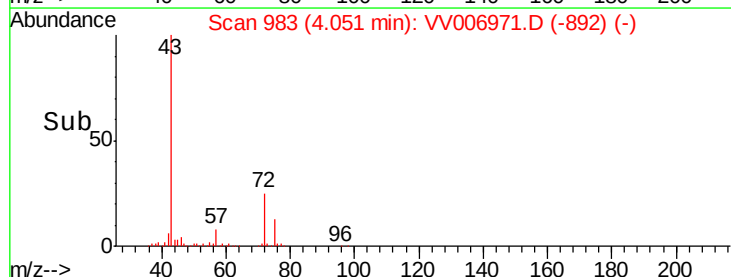
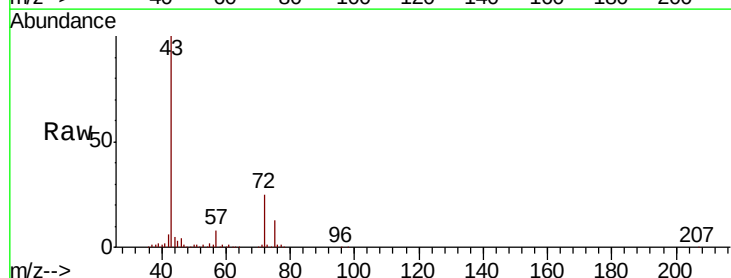
Instrument :
 MSVOA_V
 ClientSampleId :

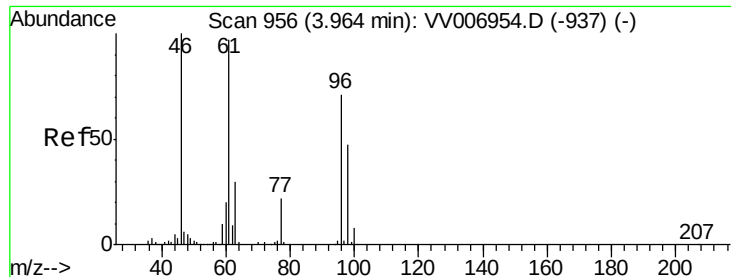
Tot Ion: 63 Resp: 182603
 Ion Ratio Lower Upper
 63 100
 65 32.4 21.7 40.3
 83 13.9 10.0 18.6



#21
 2-Butanone
 Concen: 60.383 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Tgt Ion: 43 Resp: 306537
 Ion Ratio Lower Upper
 43 100
 72 24.7 12.4 37.2



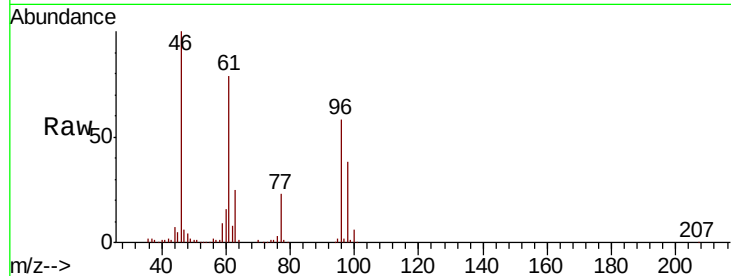


#22

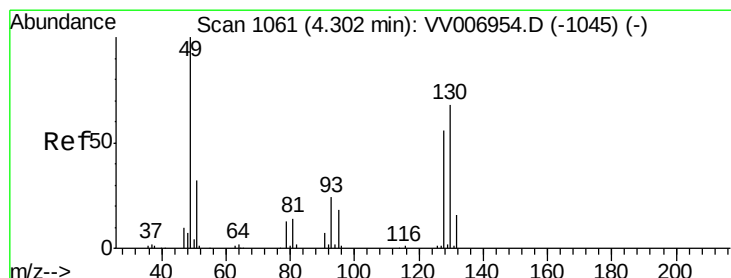
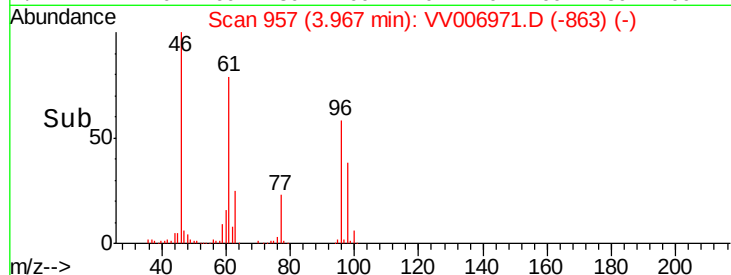
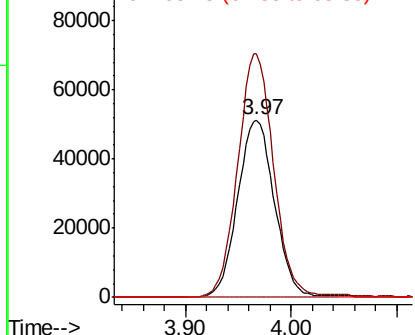
cis-1,2-Dichloroethene
 Concen: 5.823 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.1	91.1	169.1
68	0.0	0.0	0.0



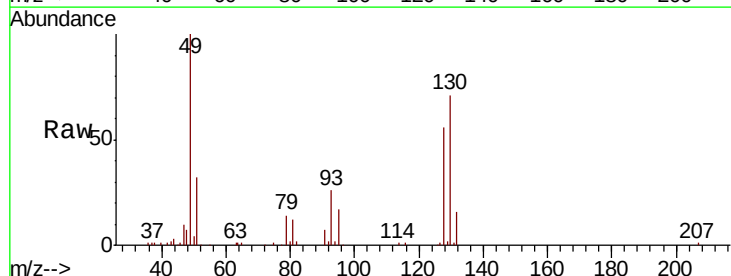
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



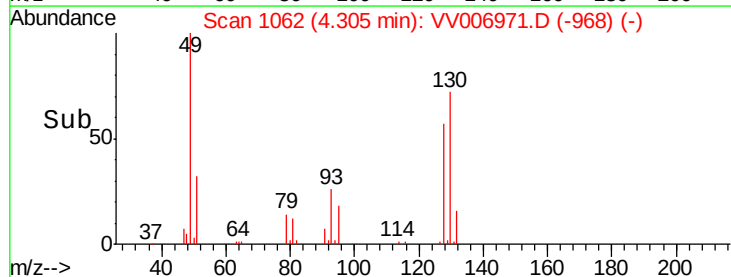
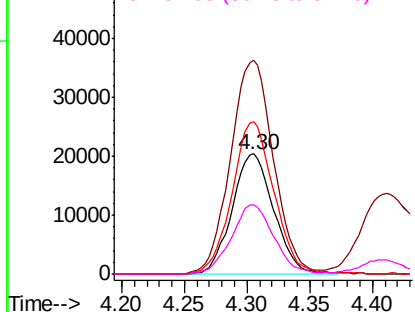
#23

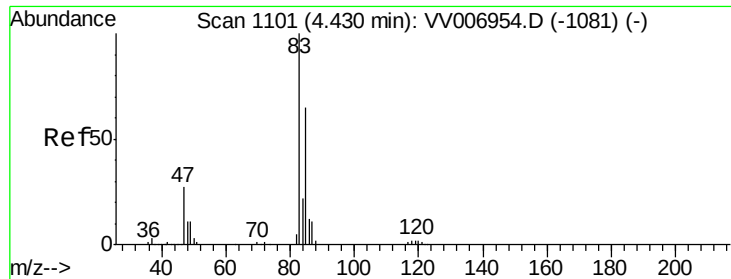
Bromochloromethane
 Concen: 5.389 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
128	100		
49	178.1	138.6	257.4
130	127.3	90.0	167.2
51	57.7	46.9	70.3



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

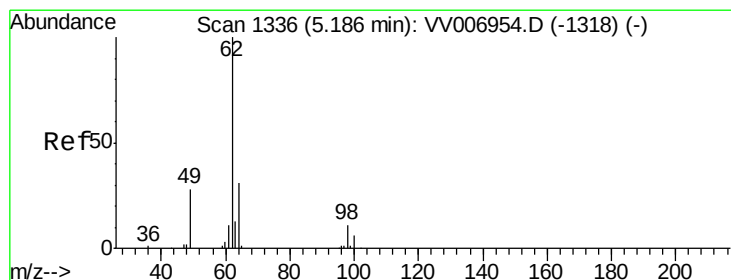
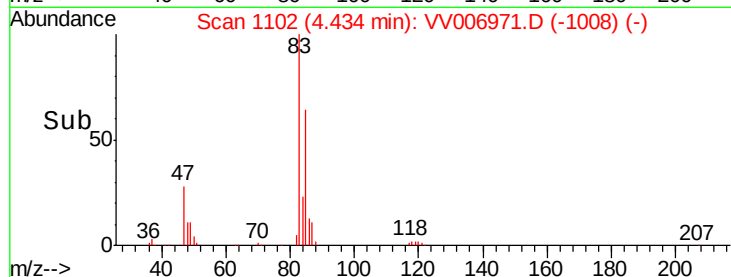
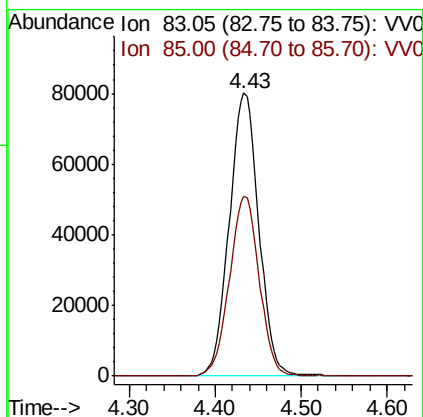
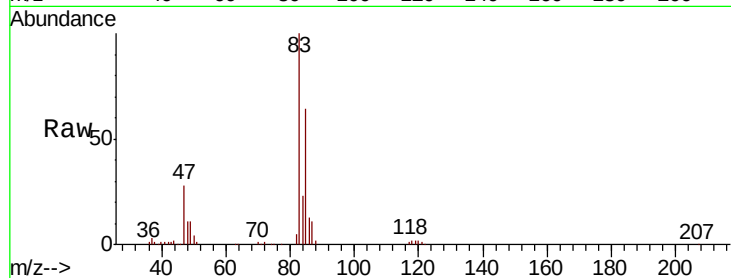




#25
Chloroform
Concen: 5.145 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006971.D
Acq: 10 Aug 2018 00:54

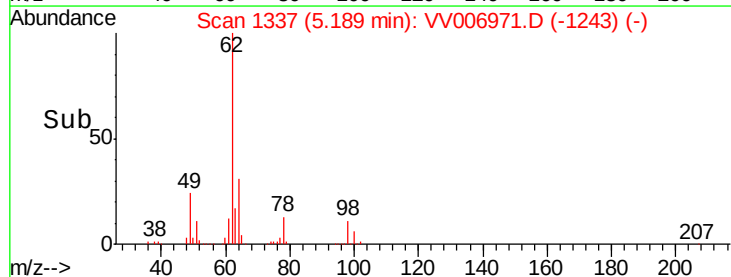
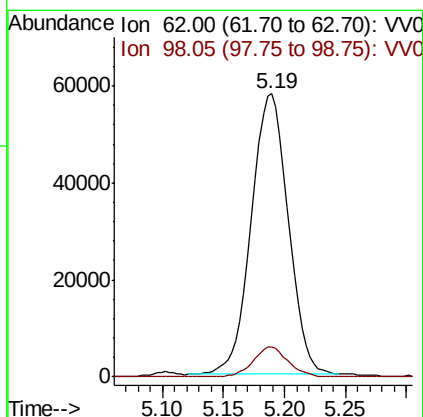
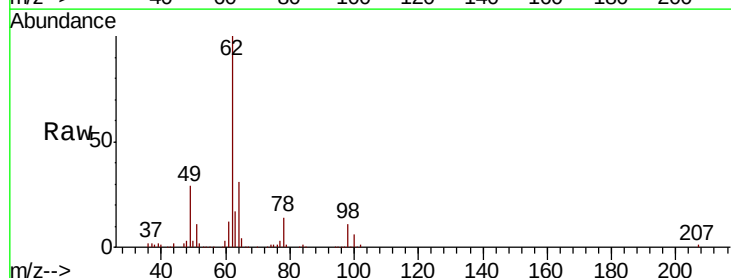
Instrument :
MSVOA_V
ClientSampleId :

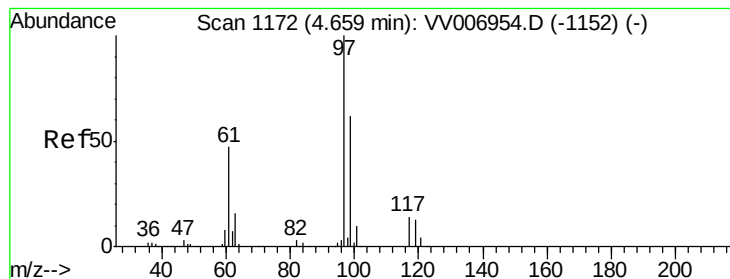
Tot Ion: 83 Resp: 191141
Ion Ratio Lower Upper
83 100
85 63.7 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.245 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006971.D
Acq: 10 Aug 2018 00:54

Tgt Ion: 62 Resp: 121516
Ion Ratio Lower Upper
62 100
98 10.7 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.066 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_V

ClientSampleId :

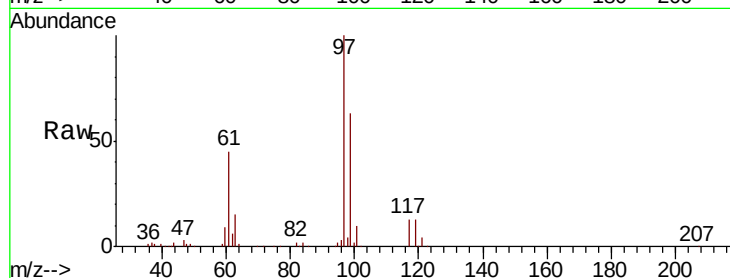
Tot Ion: 97 Resp: 160064

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

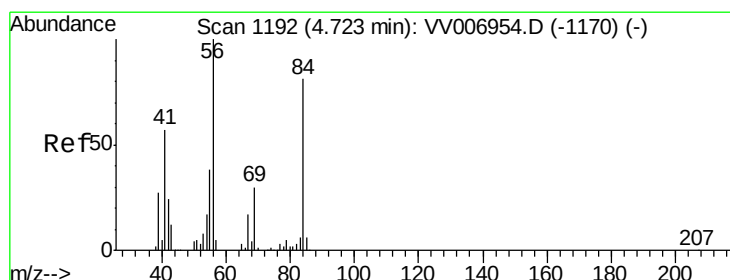
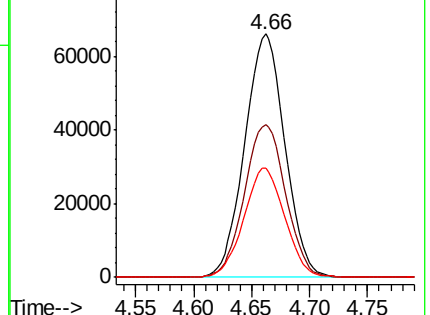
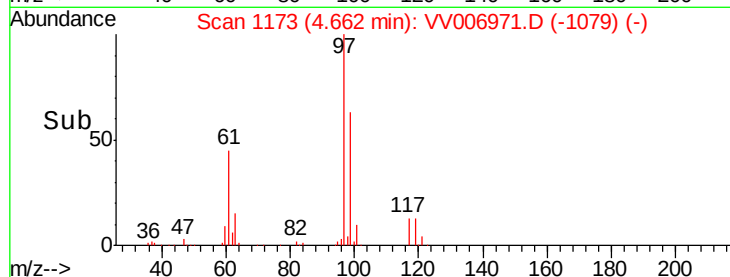
61 45.8 36.6 54.8



Abundance Ion 96.95 (96.65 to 97.65): VV006971.D (-1079) (-)

Ion 99.05 (98.75 to 99.75): VV006971.D (-1079) (-)

Ion 61.05 (60.75 to 61.75): VV006971.D (-1079) (-)



#30

Cyclohexane

Concen: 4.985 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

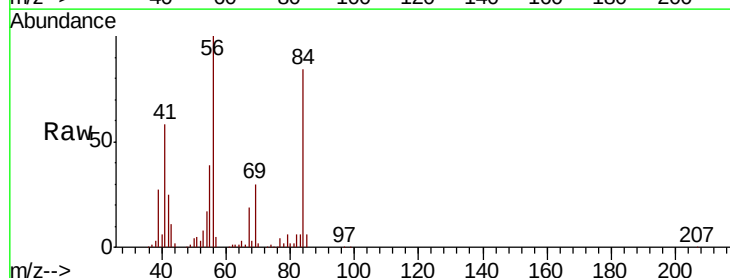
Tgt Ion: 56 Resp: 163943

Ion Ratio Lower Upper

56 100

69 29.5 23.8 35.6

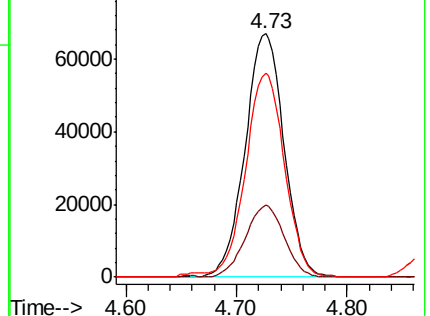
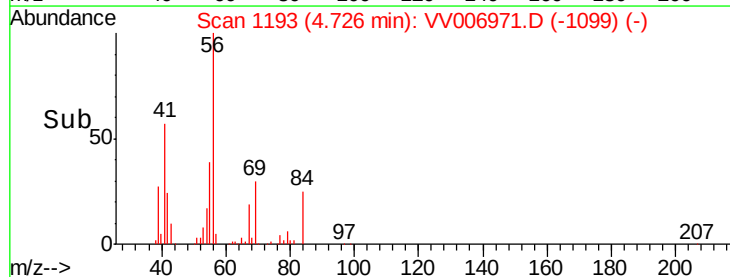
84 84.6 67.9 101.9

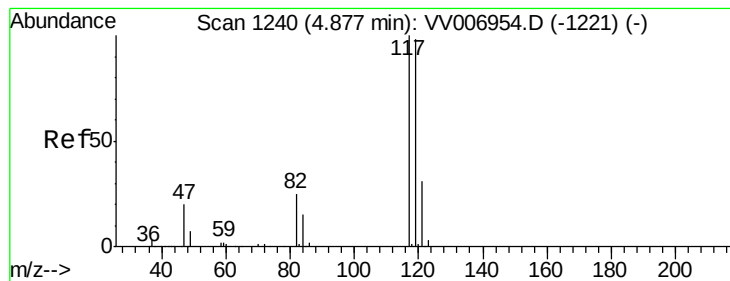


Abundance Ion 56.10 (55.80 to 56.80): VV006971.D (-1099) (-)

Ion 69.15 (68.85 to 69.85): VV006971.D (-1099) (-)

Ion 84.15 (83.85 to 84.85): VV006971.D (-1099) (-)





#31

Carbon tetrachloride

Concen: 5.068 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

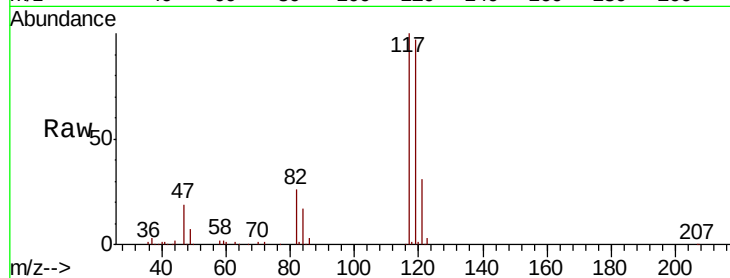
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 134295

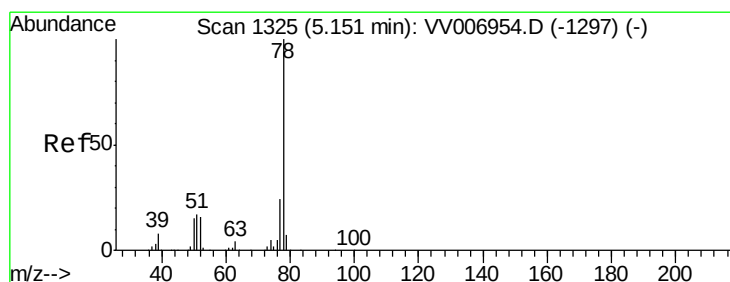
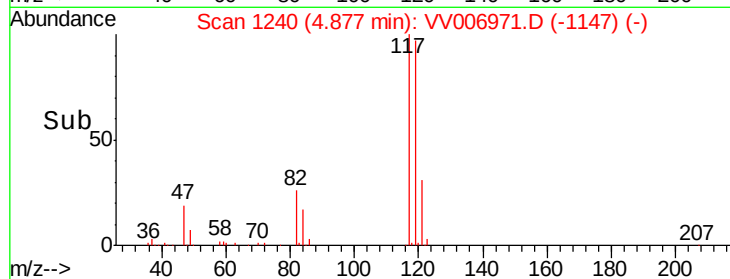
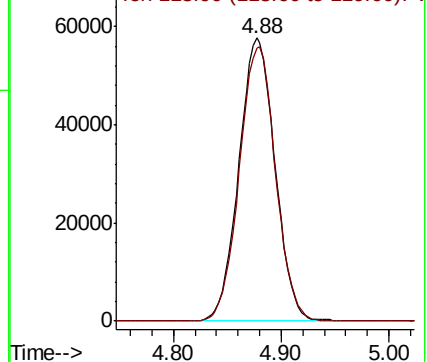
Ion Ratio Lower Upper

117 100

119 97.2 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: 5.248 ug/L

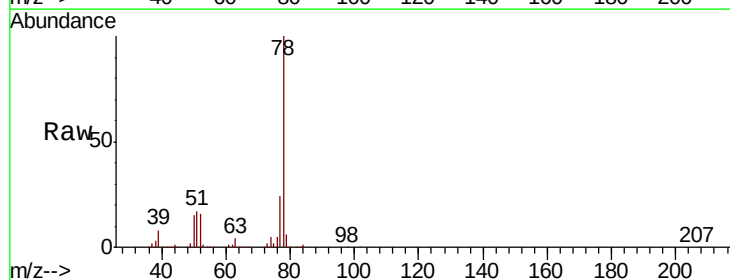
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

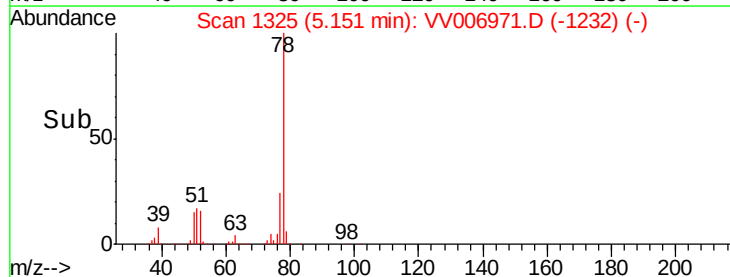
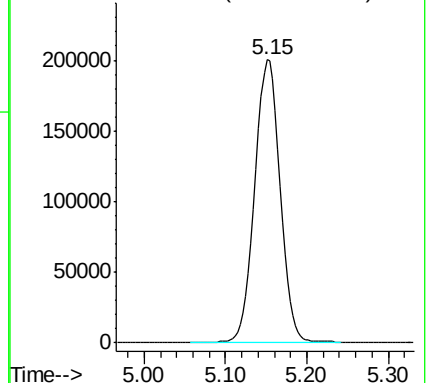
Lab File: VV006971.D

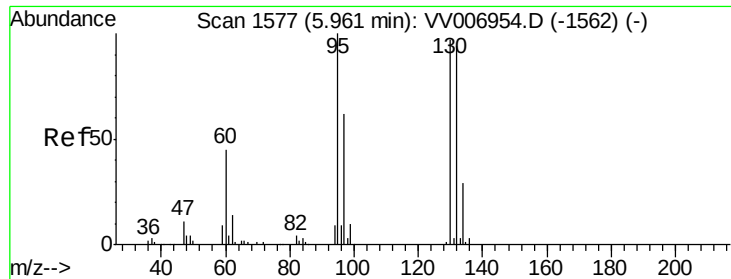
Acq: 10 Aug 2018 00:54

Tgt Ion: 78 Resp: 430854



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.124 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 100859

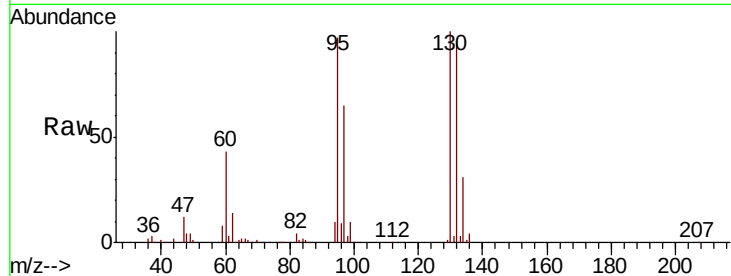
Ion Ratio Lower Upper

95 100

97 66.9 44.8 83.2

132 97.6 65.5 121.6

130 102.7 66.4 123.4



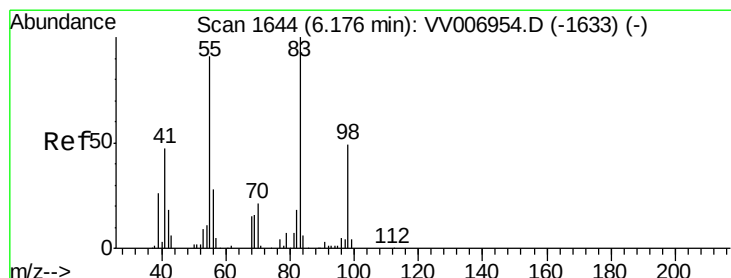
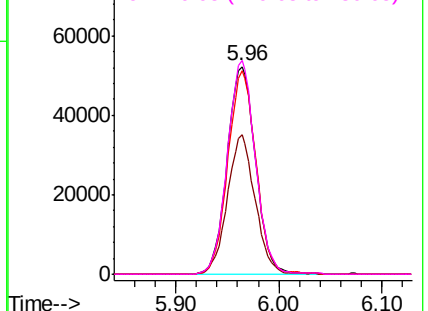
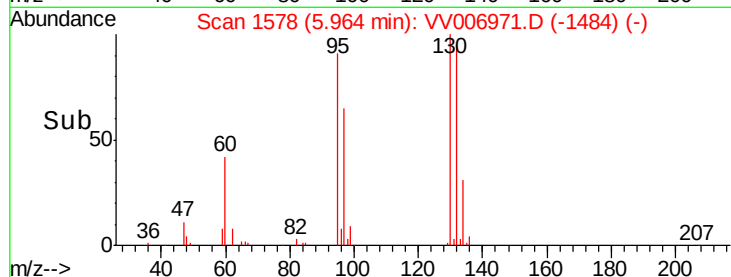
Abundance

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: 5.015 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

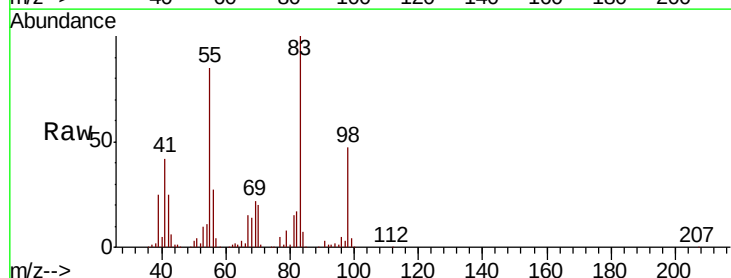
Tgt Ion: 83 Resp: 158496

Ion Ratio Lower Upper

83 100

55 86.5 68.1 102.1

98 48.0 37.9 56.9

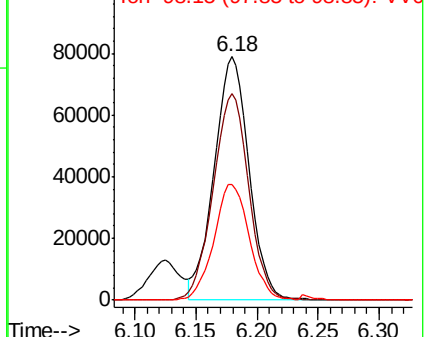
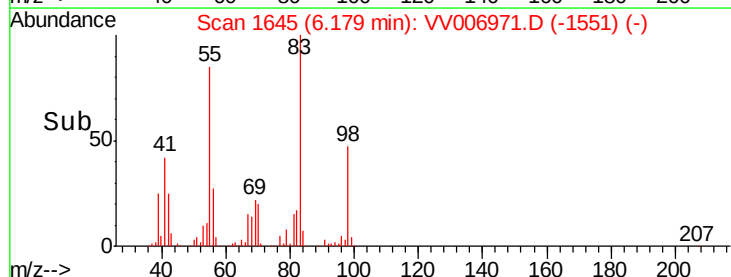


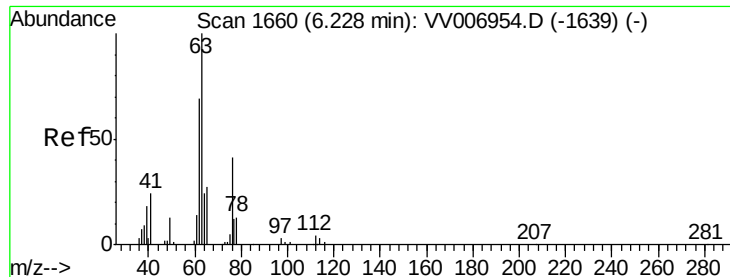
Abundance

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

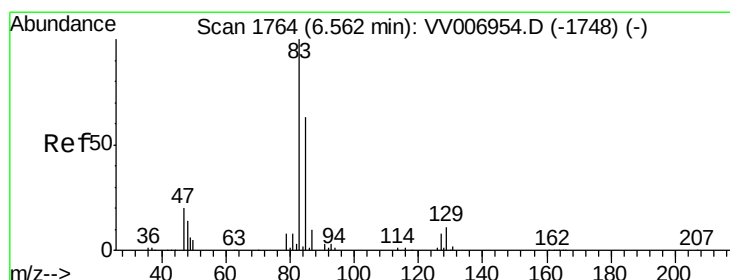
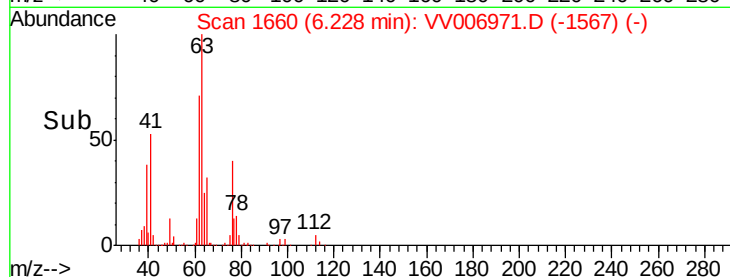
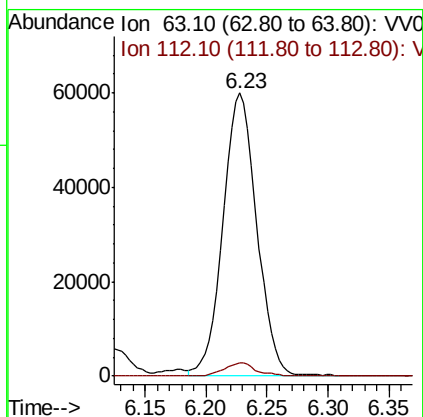
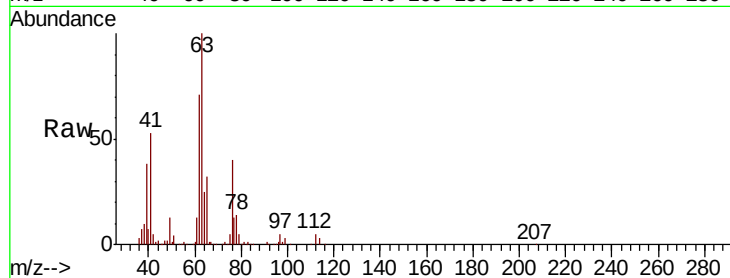




#37
 1,2-Dichloropropane
 Concen: 5.134 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

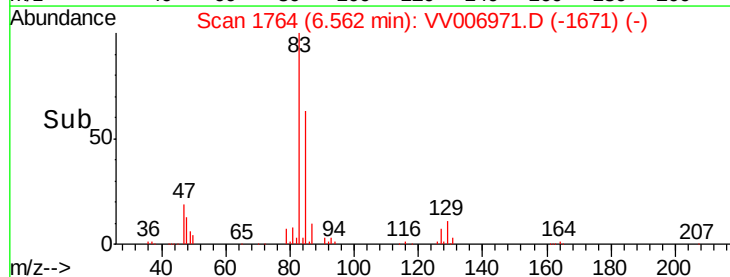
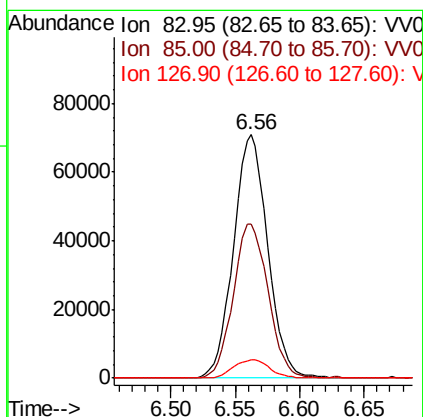
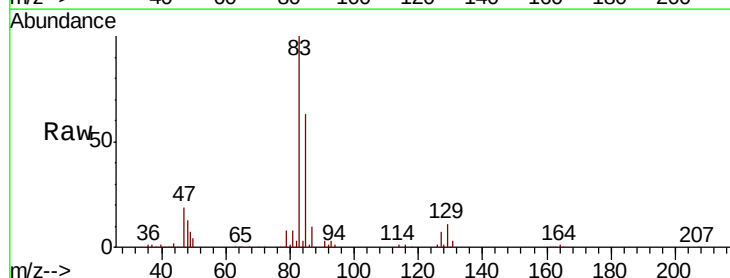
Instrument :
 MSVOA_V
 ClientSampleId :

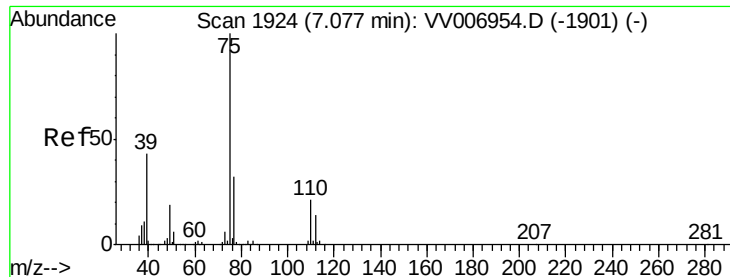
Tot Ion: 63 Resp: 115366
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.127 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Tgt Ion: 83 Resp: 130897
 Ion Ratio Lower Upper
 83 100
 85 63.1 43.8 81.4
 127 7.5 6.6 10.0



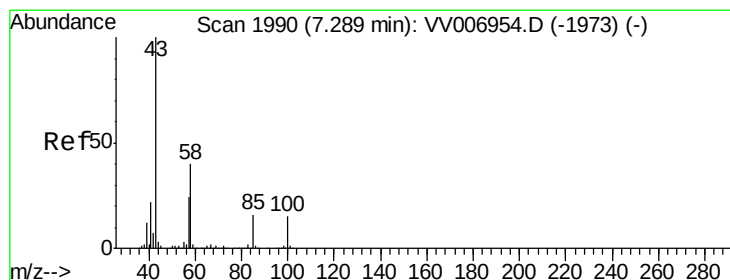
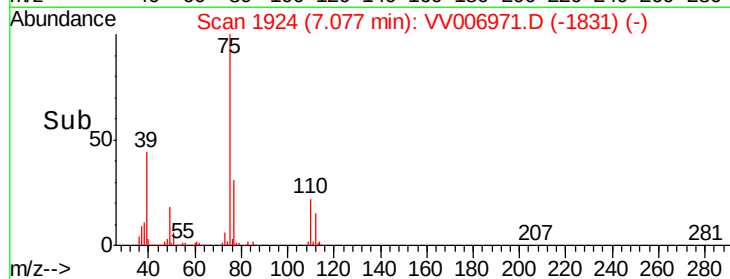
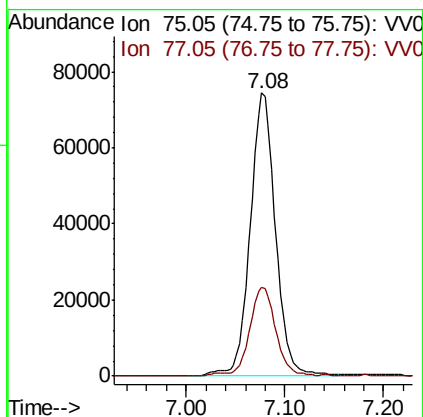
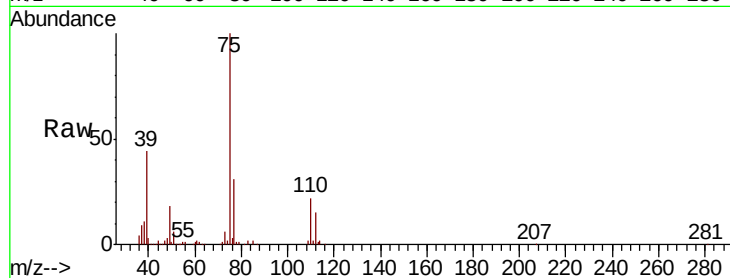


#39

cis-1,3-Dichloropropene
 Concen: 4.850 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Instrument :
 MSVOA_V
 ClientSampled :

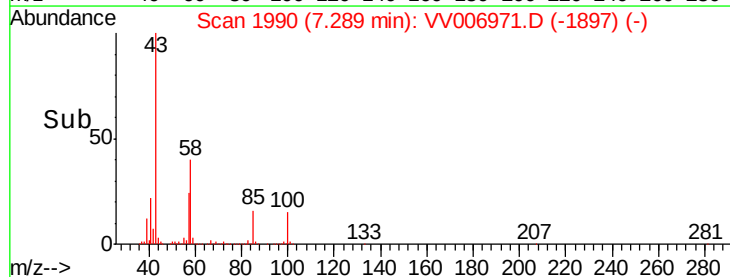
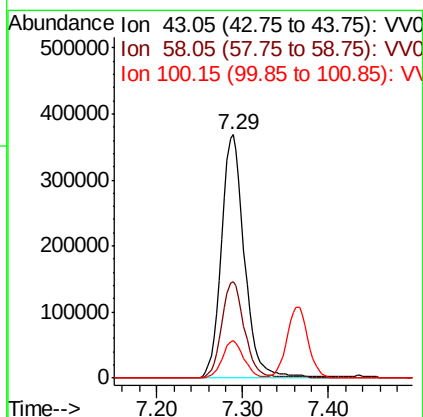
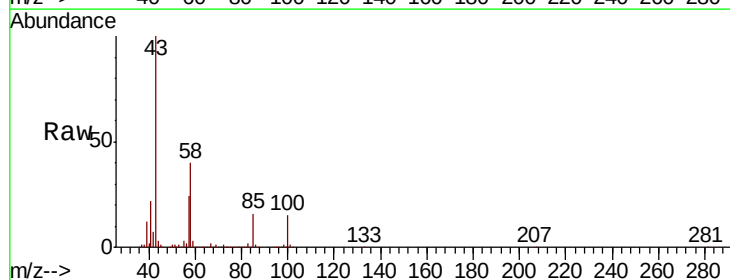
Tot Ion: 75 Resp: 131655
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 40.8

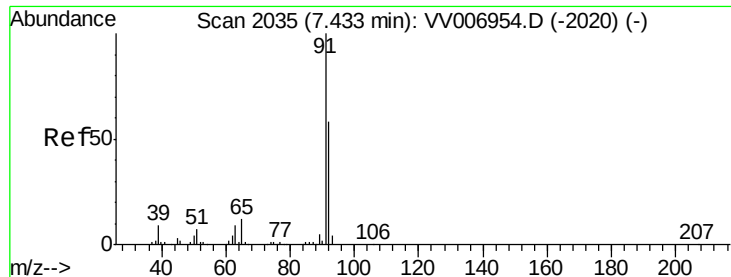


#40

4-Methyl-2-pentanone
 Concen: 56.879 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Tgt Ion: 43 Resp: 690410
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.7 46.1
 100 14.3 11.2 16.8





#42

Toluene

Concen: 5.415 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

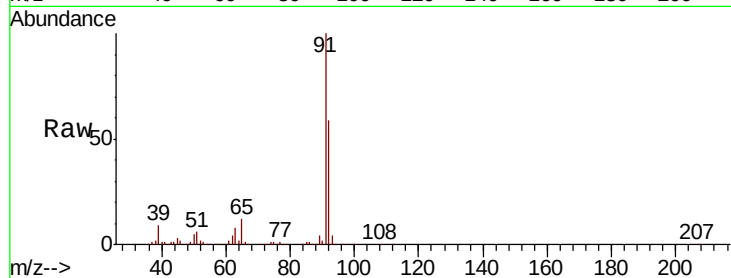
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 427170

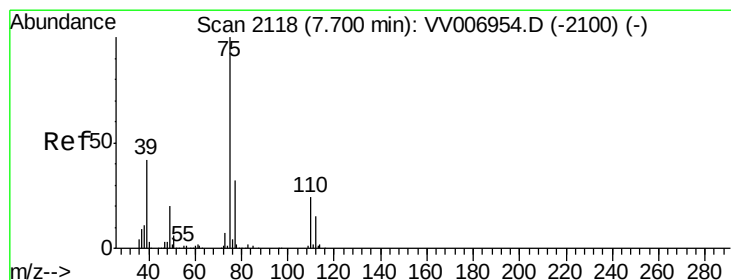
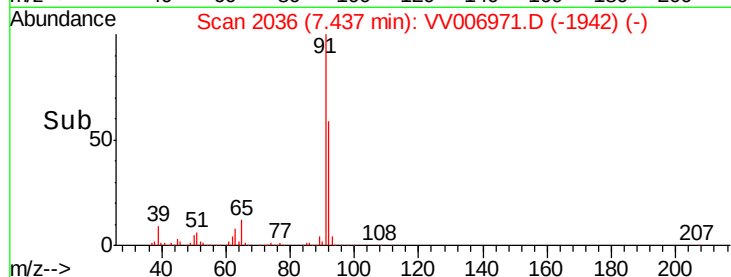
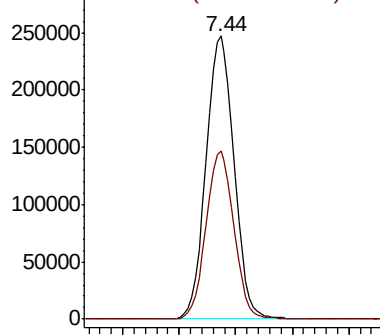
Ion Ratio Lower Upper

91 100

92 59.5 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: 4.993 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006971.D

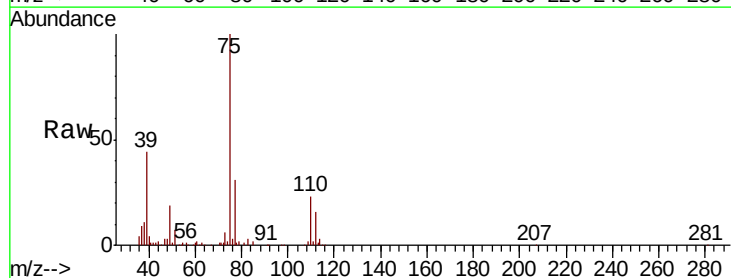
Acq: 10 Aug 2018 00:54

Tgt Ion: 75 Resp: 111245

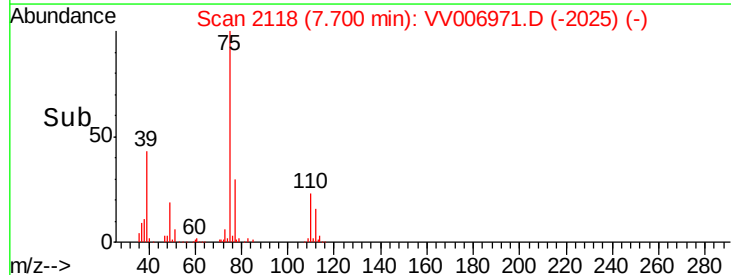
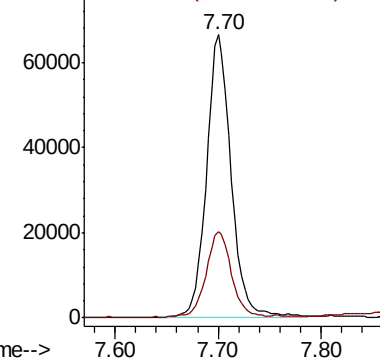
Ion Ratio Lower Upper

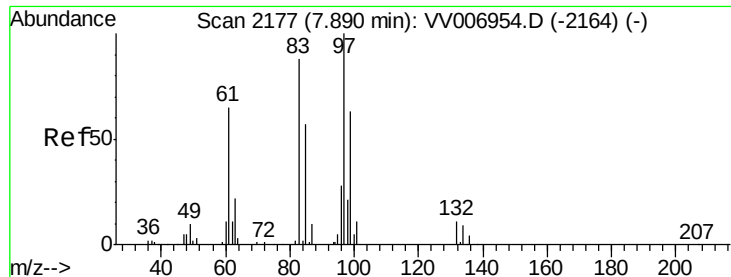
75 100

77 30.5 22.3 41.3



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

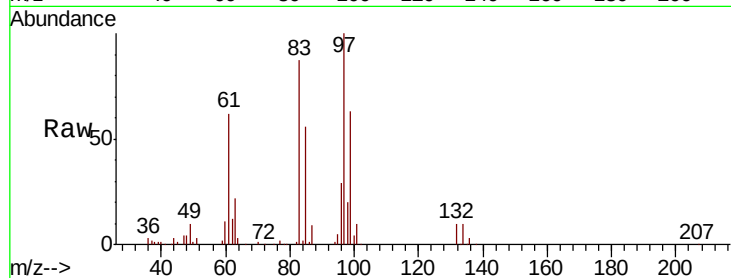




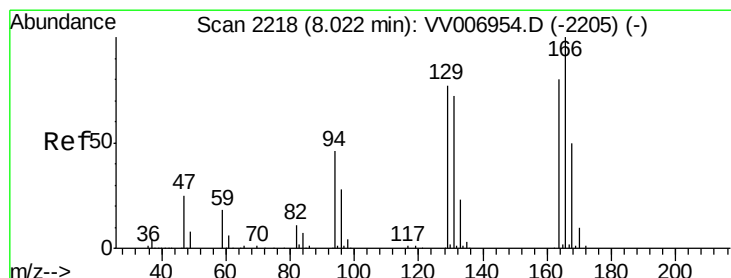
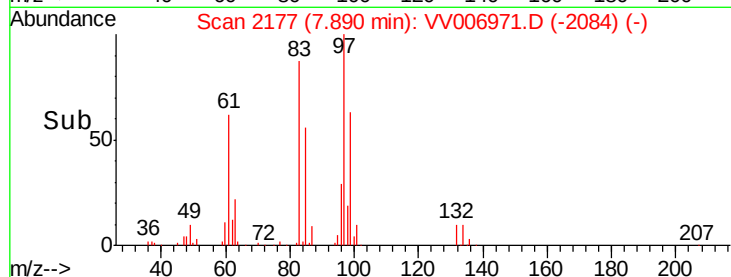
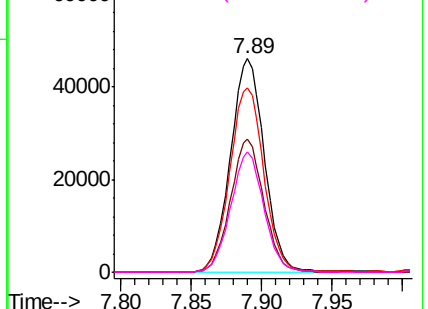
#45
 1,1,2-Trichloroethane
 Concen: 5.292 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	77364
Ion	Ratio	Lower	Upper
97	100		
99	62.6	40.6	75.4
83	86.5	58.0	107.8
85	56.5	37.5	69.7

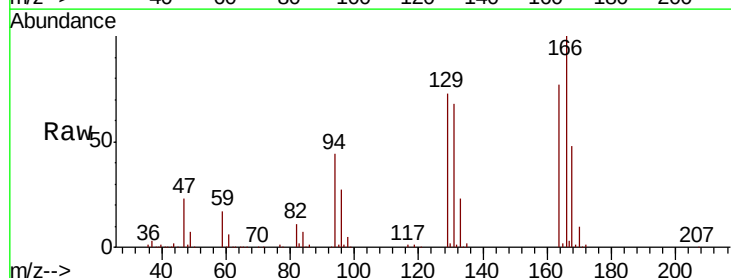


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

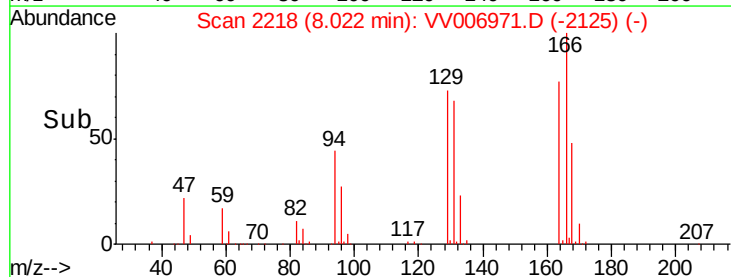
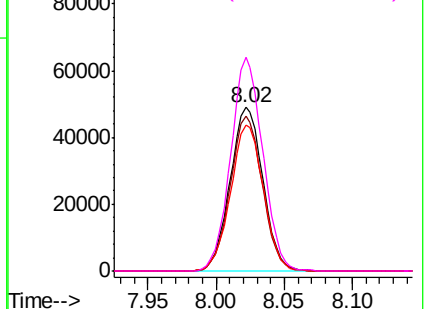


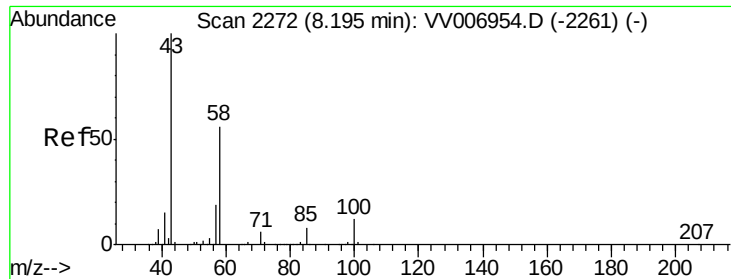
#47
 Tetrachloroethene
 Concen: 5.112 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Tgt Ion:	164	Resp:	81591
Ion	Ratio	Lower	Upper
164	100		
129	95.0	65.9	122.3
131	89.3	64.2	119.2
166	130.5	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

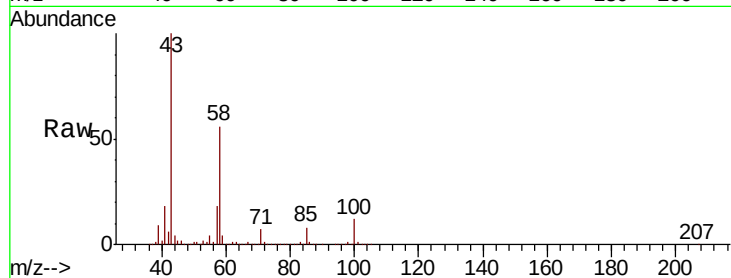




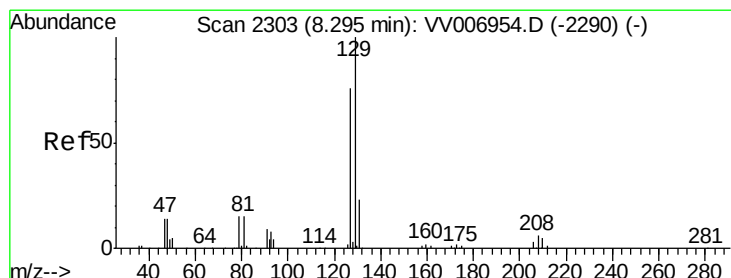
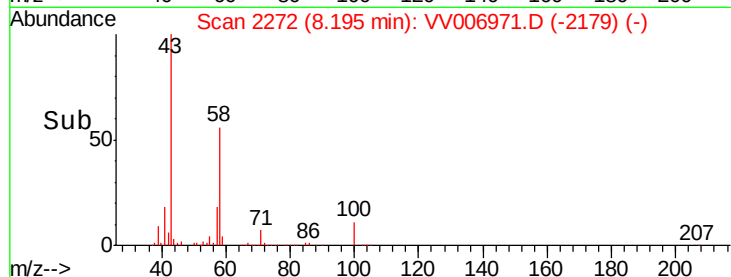
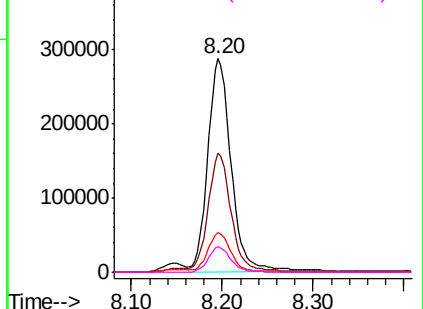
#48
2-Hexanone
Concen: 59.683 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV006971.D
Acq: 10 Aug 2018 00:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 510943
Ion Ratio Lower Upper
43 100
58 55.1 44.2 66.2
57 18.1 14.8 22.2
100 11.5 8.8 13.2

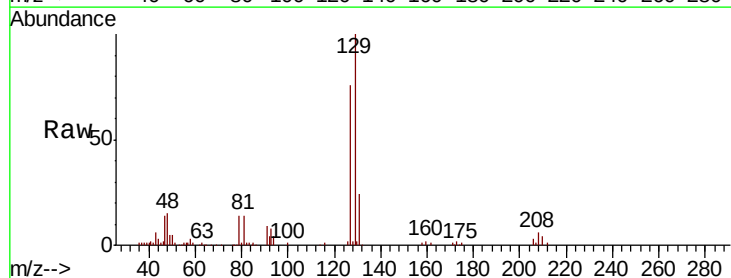


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

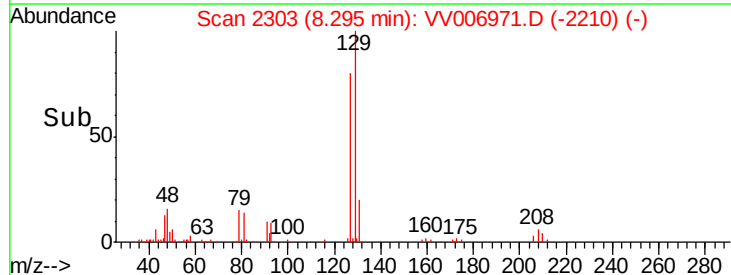
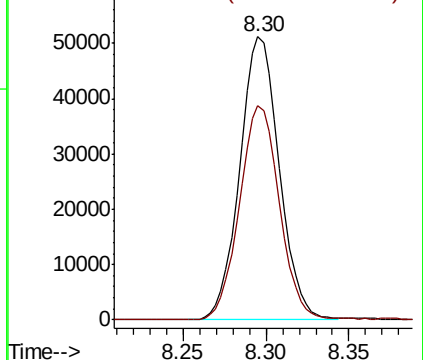


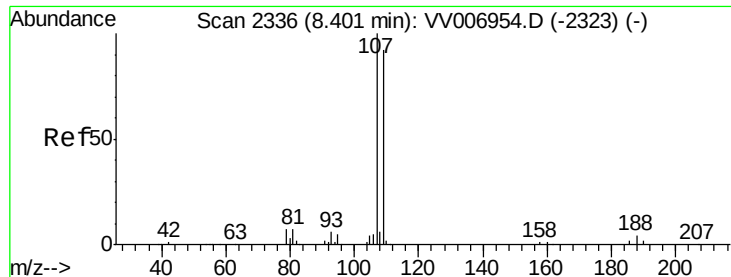
#49
Dibromochloromethane
Concen: 5.531 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006971.D
Acq: 10 Aug 2018 00:54

Tgt Ion: 129 Resp: 84812
Ion Ratio Lower Upper
129 100
127 75.9 53.3 98.9



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





#50

1,2-Dibromoethane

Concen: 5.447 ug/L

RT: 8.40 min Scan# 2336

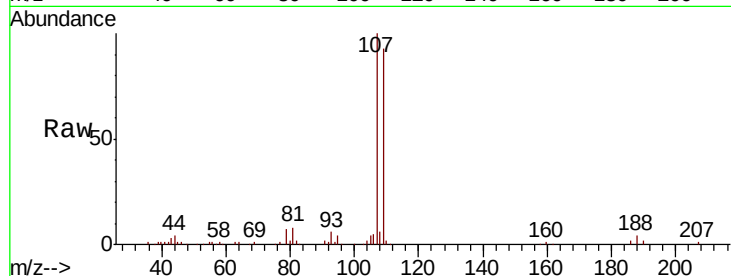
Delta R.T. -0.00 min

Lab File: VV006971.D

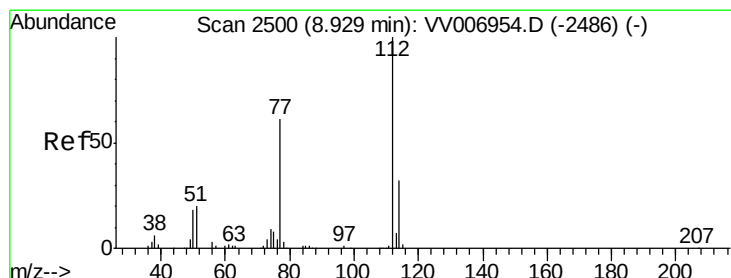
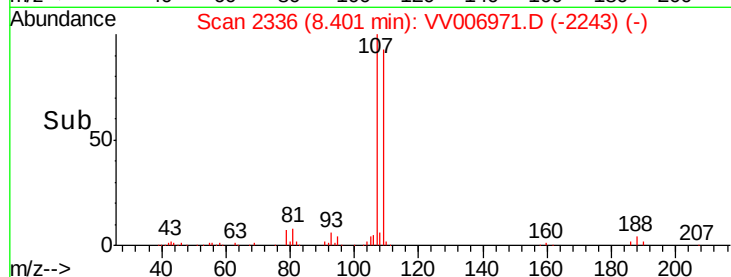
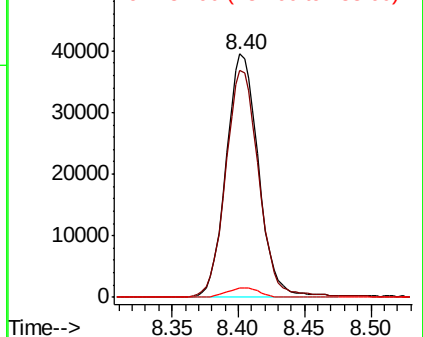
Acq: 10 Aug 2018 00:54

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	107	Resp:	67264
Ion	Ratio	Lower	Upper
107	100		
109	93.2	64.1	119.1
188	3.6	4.0	6.0#



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



#51

Chlorobenzene

Concen: 5.207 ug/L

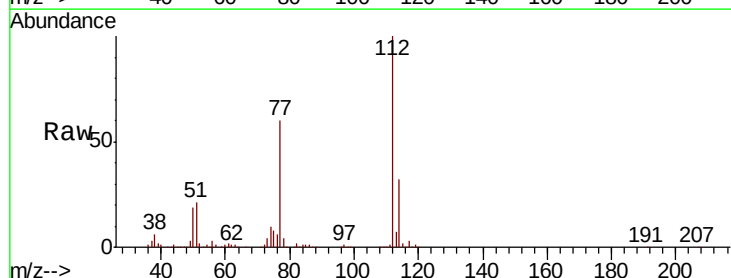
RT: 8.93 min Scan# 2501

Delta R.T. 0.00 min

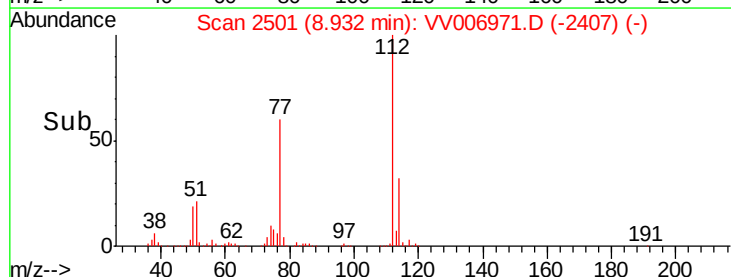
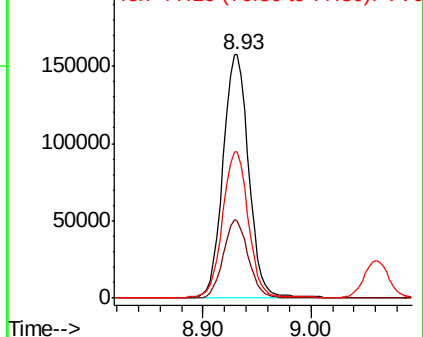
Lab File: VV006971.D

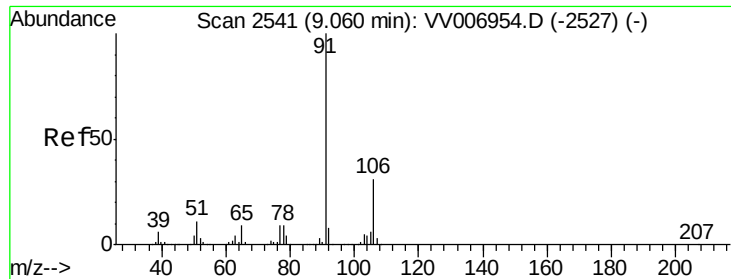
Acq: 10 Aug 2018 00:54

Tgt Ion:	112	Resp:	261835
Ion	Ratio	Lower	Upper
112	100		
114	31.5	21.8	40.6
77	59.9	48.0	72.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.224 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

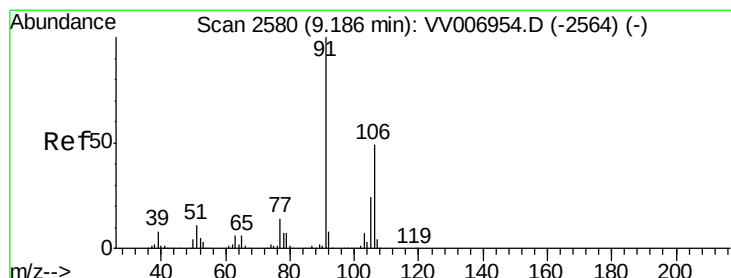
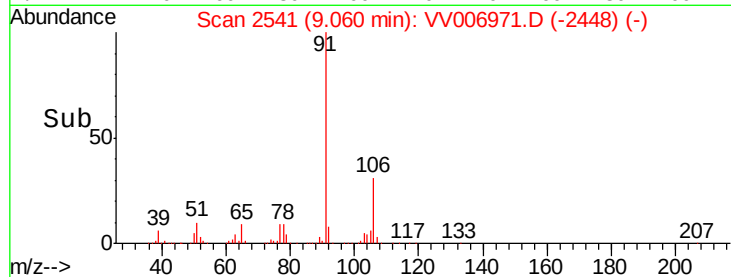
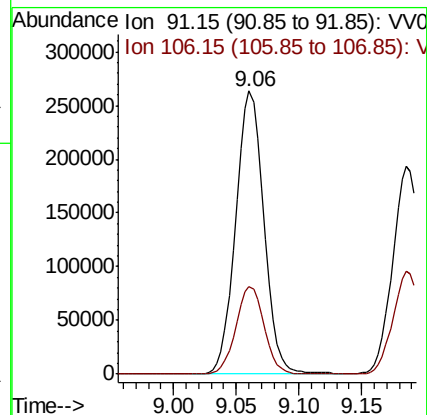
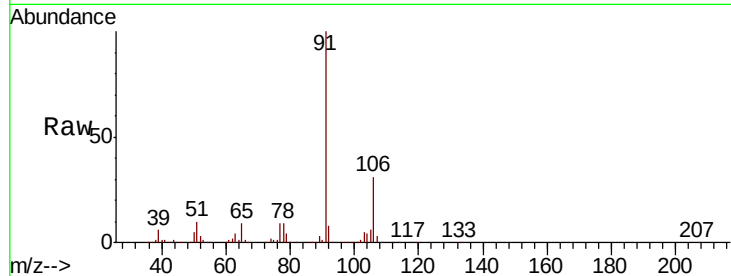
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 411479

Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.5



#53

m,p-xylene

Concen: 5.262 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006971.D

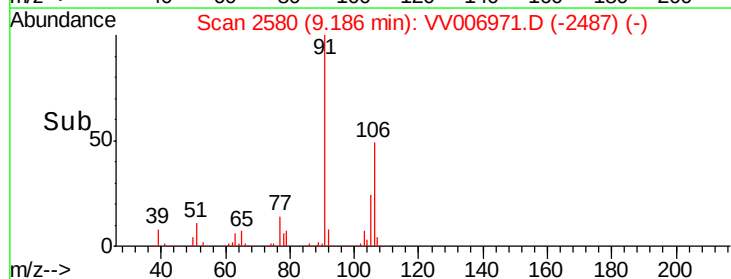
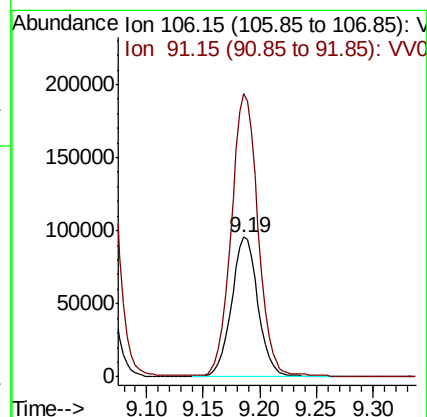
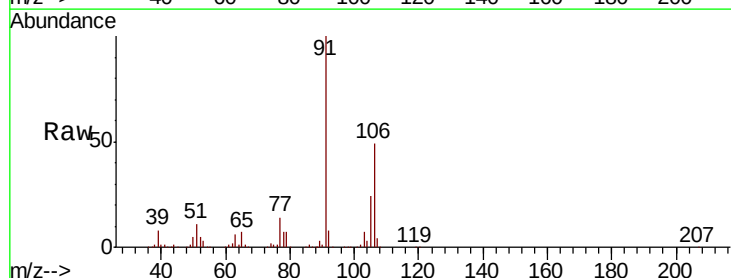
Acq: 10 Aug 2018 00:54

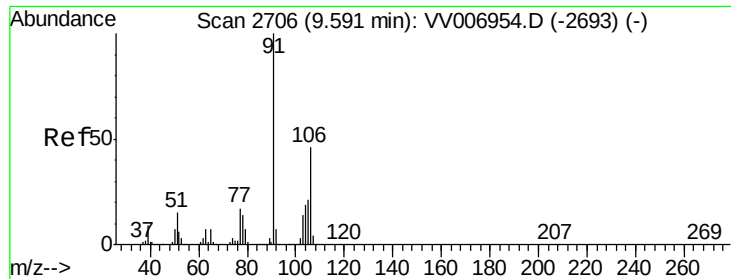
Tgt Ion: 106 Resp: 154520

Ion Ratio Lower Upper

106 100

91 202.3 141.6 263.0





#54

o-xylene

Concen: 5.235 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

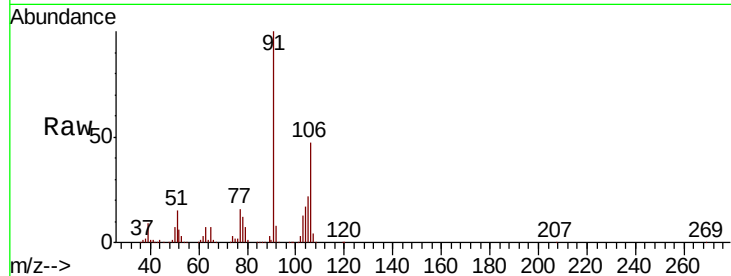
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 145651

Ion Ratio Lower Upper

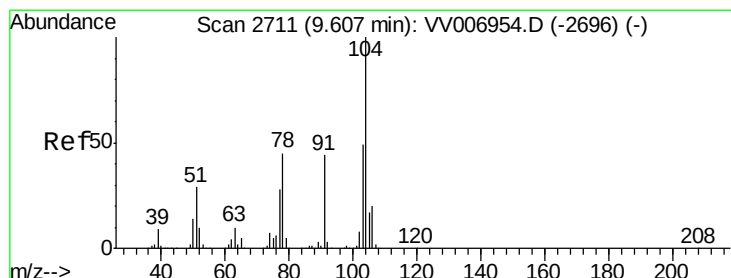
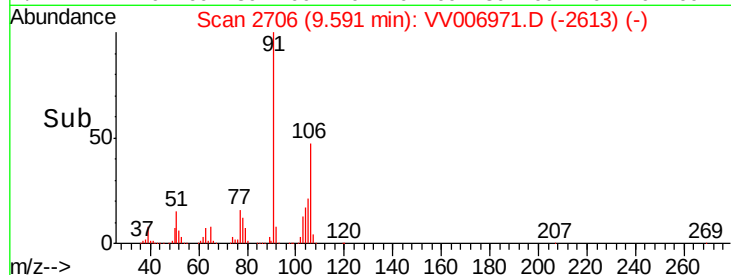
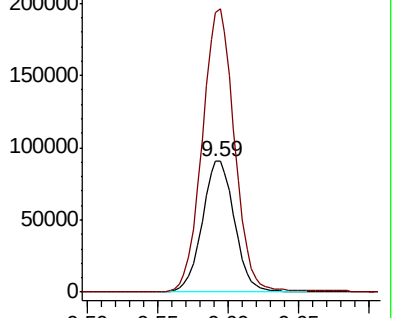
106 100

91 213.6 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.394 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006971.D

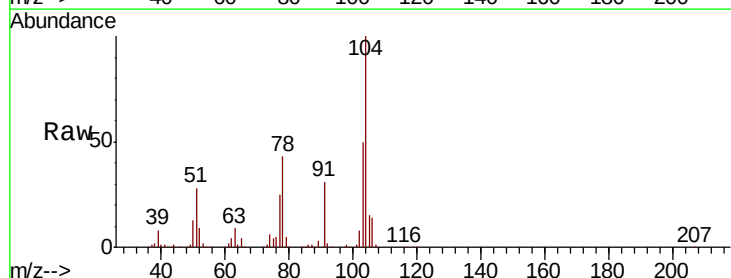
Acq: 10 Aug 2018 00:54

Tgt Ion:104 Resp: 252994

Ion Ratio Lower Upper

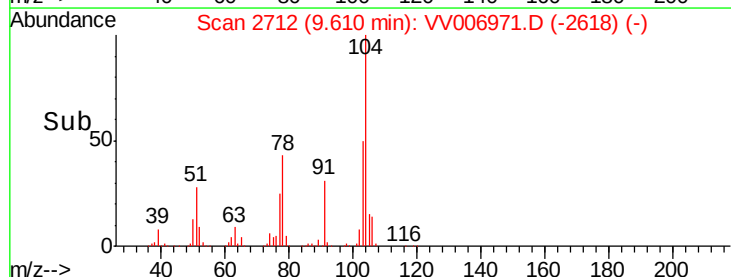
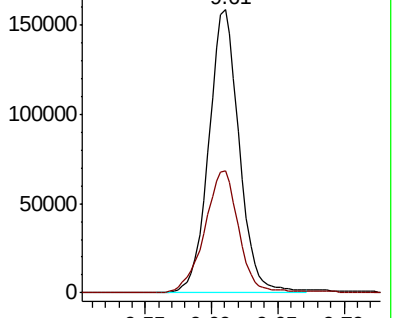
104 100

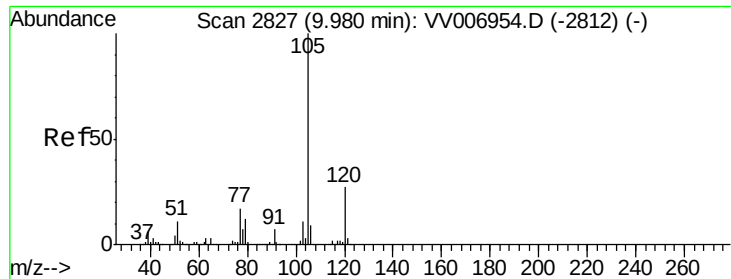
78 43.1 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.190 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

Instrument :
MSVOA_V
ClientSampleId :

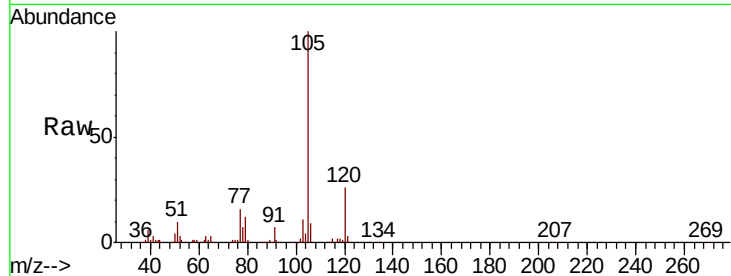
Tot Ion:105 Resp: 378856

Ion Ratio Lower Upper

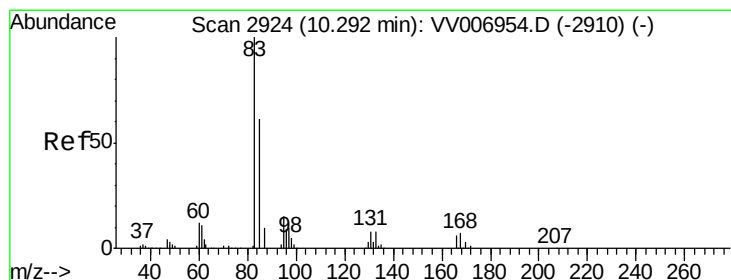
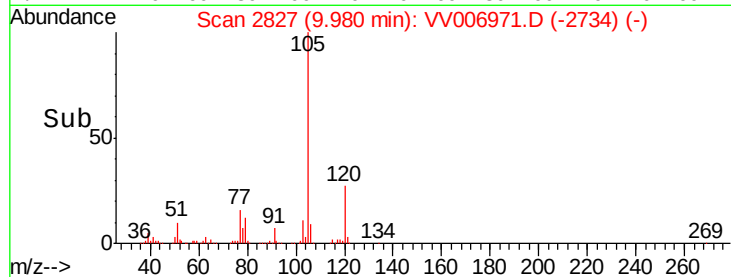
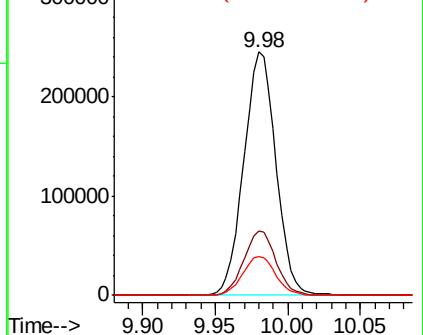
105 100

120 26.6 21.1 31.7

77 16.4 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.432 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

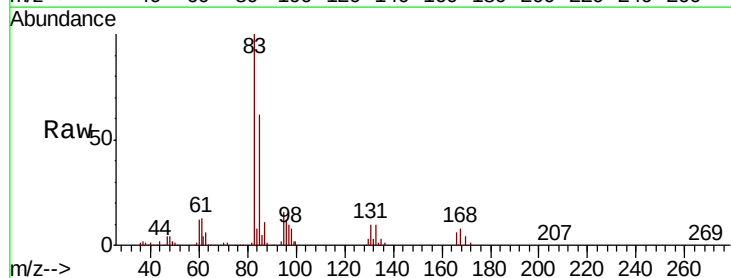
Tgt Ion: 83 Resp: 96522

Ion Ratio Lower Upper

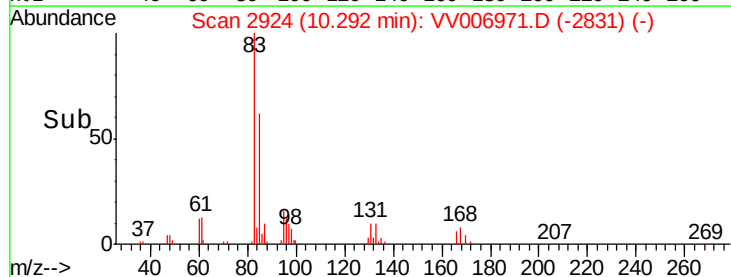
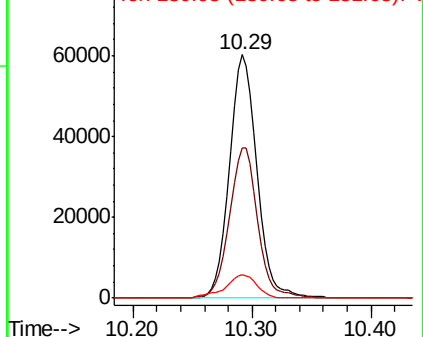
83 100

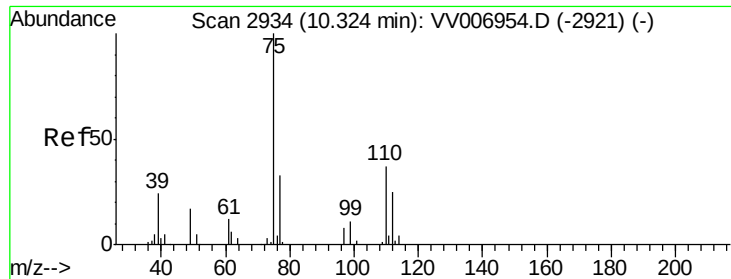
85 61.8 43.0 79.8

131 9.6 7.4 11.2



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.454 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_V

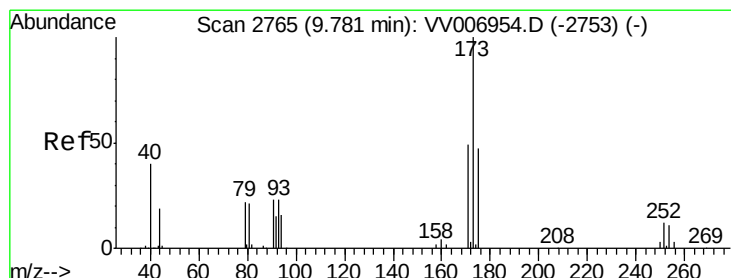
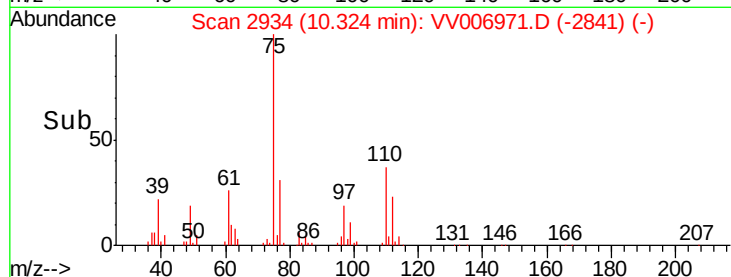
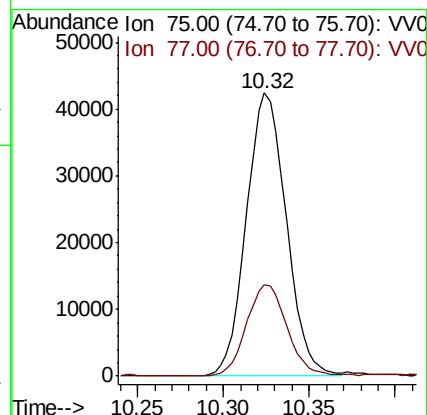
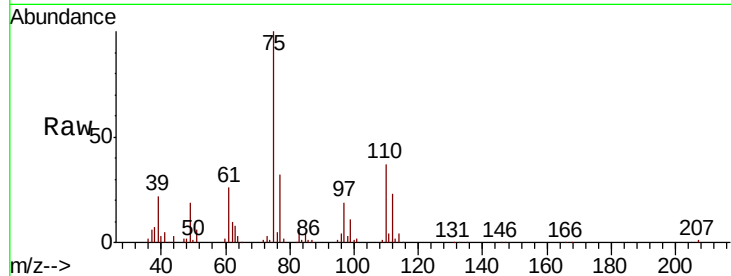
ClientSampleId :

Tot Ion: 75 Resp: 68607

Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.0



#61

Bromoform

Concen: 5.436 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

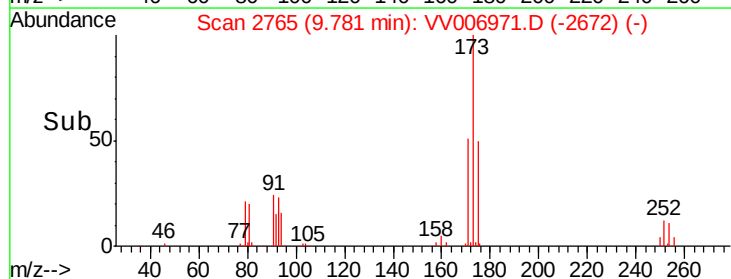
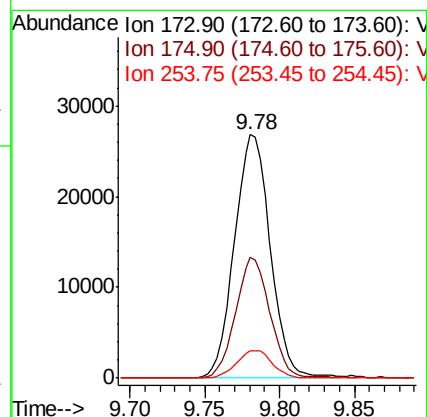
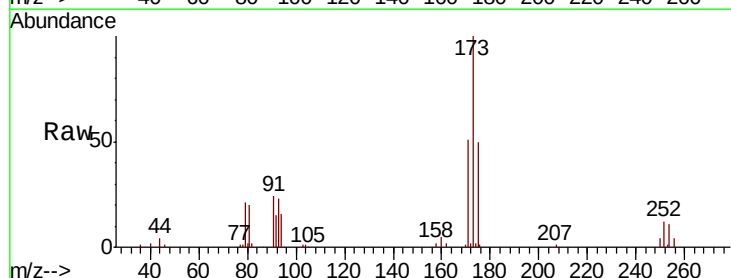
Tgt Ion: 173 Resp: 44868

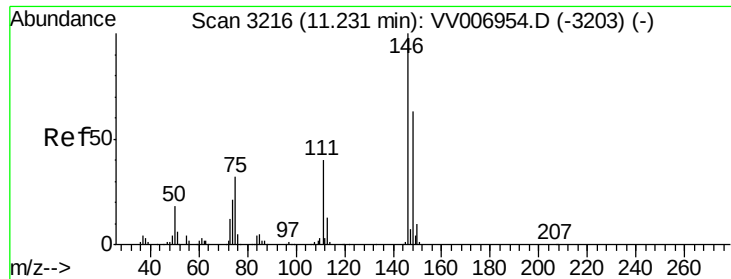
Ion Ratio Lower Upper

173 100

175 47.4 39.3 58.9

254 11.2 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 5.152 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006971.D

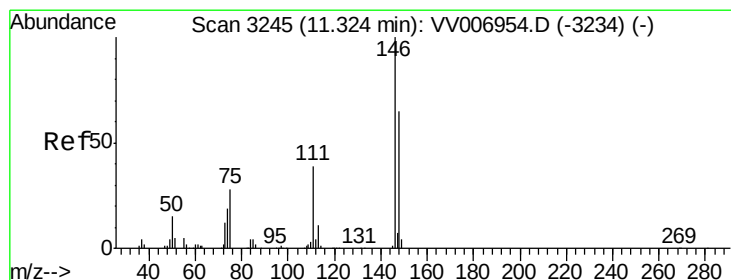
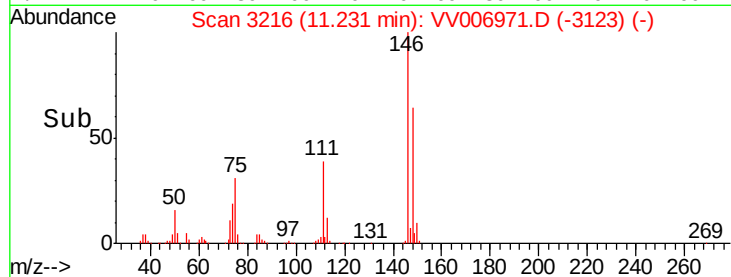
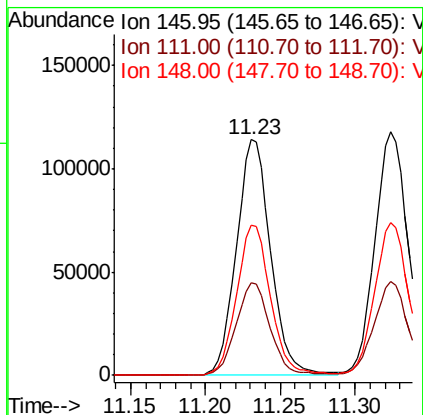
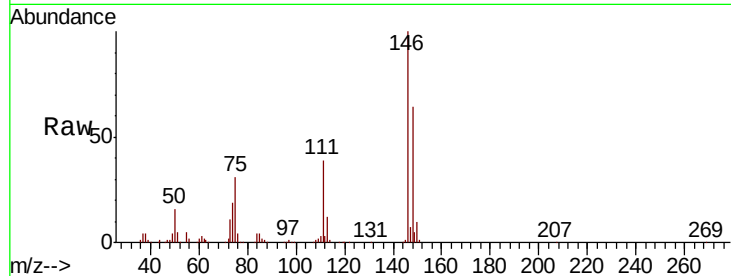
Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	181692
Ion Ratio	Lower	Upper
146	100	
111	39.2	28.1 52.3
148	63.9	44.2 82.2



#63

1,4-Dichlorobenzene

Concen: 5.201 ug/L

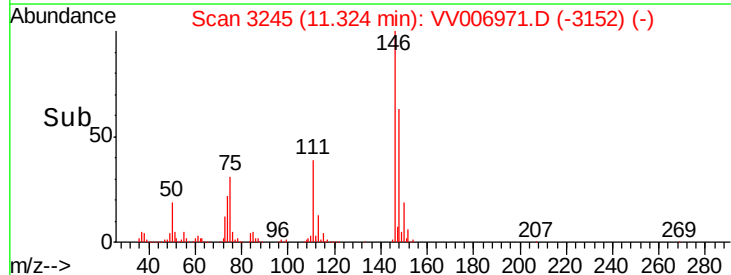
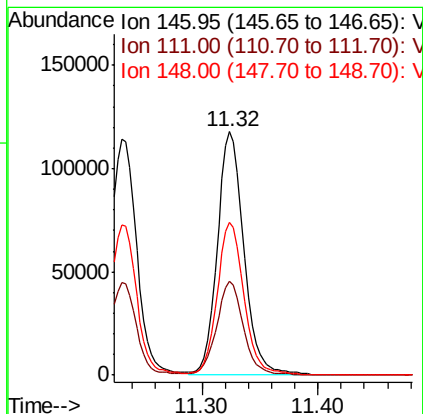
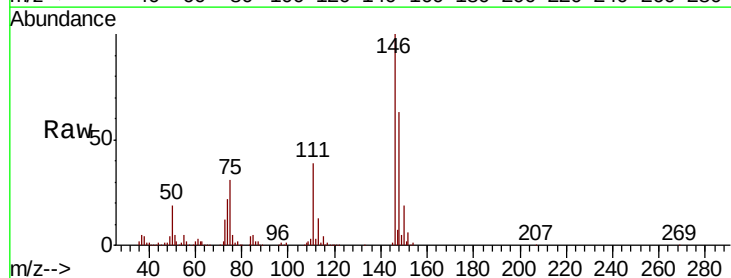
RT: 11.32 min Scan# 3245

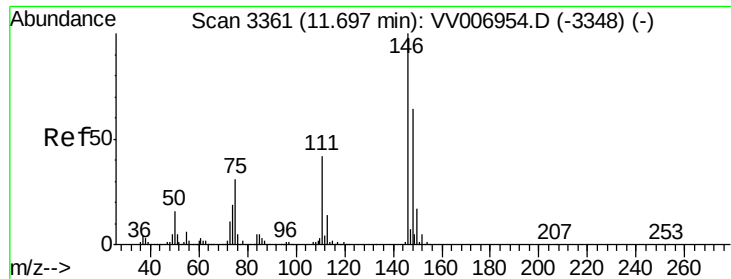
Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

Tgt Ion:146	Resp:	187981
Ion Ratio	Lower	Upper
146	100	
111	38.5	26.6 49.4
148	62.9	46.4 86.2

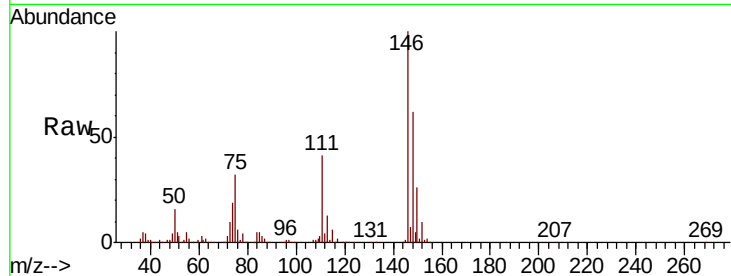




#65
 1,2-Dichlorobenzene
 Concen: 5.307 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	33.0	49.6
148	62.5	50.6	75.8

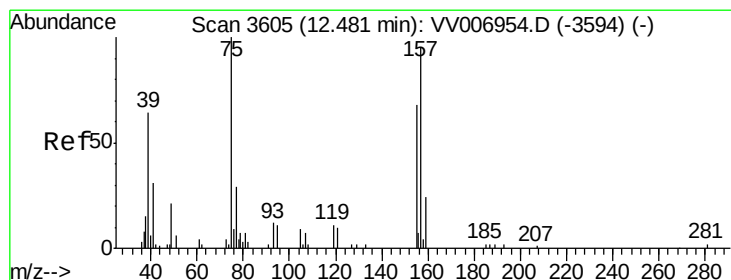
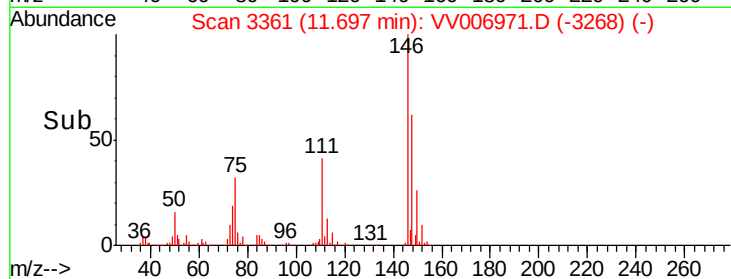
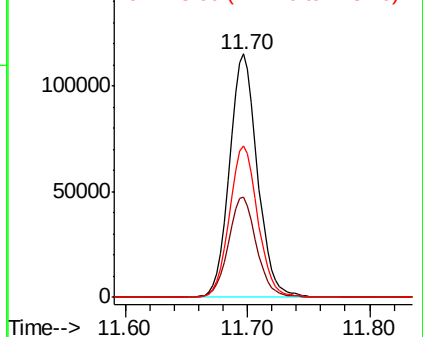


Abundance

Ion 145.95 (145.65 to 146.65): V

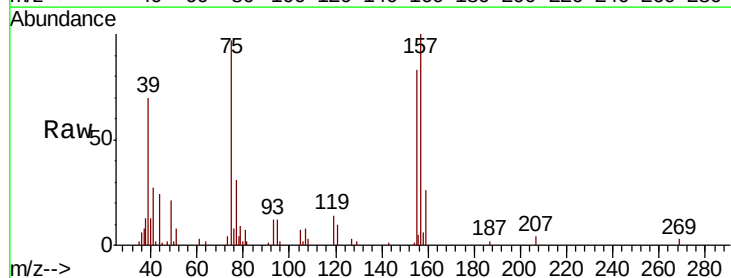
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.254 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.3	62.6	94.0
157	102.6	77.0	115.6

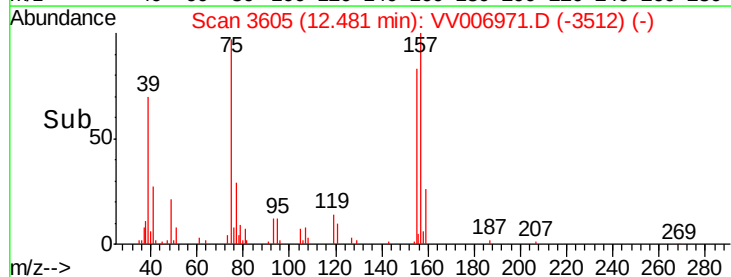
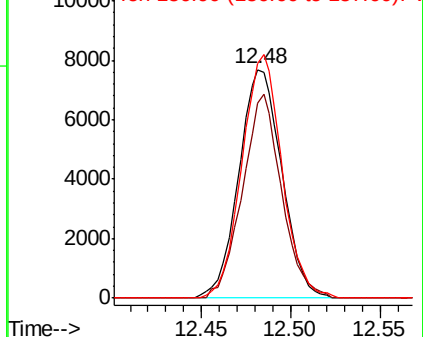


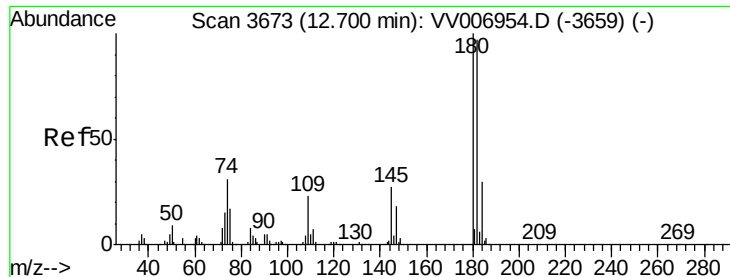
Abundance

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

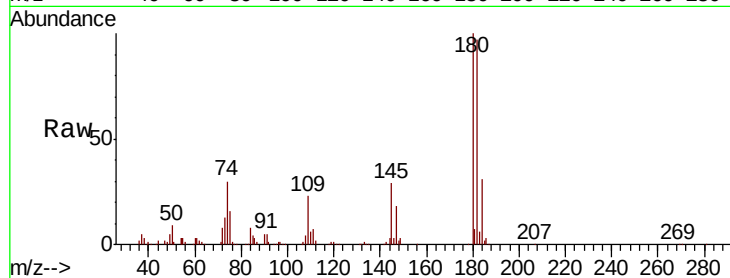




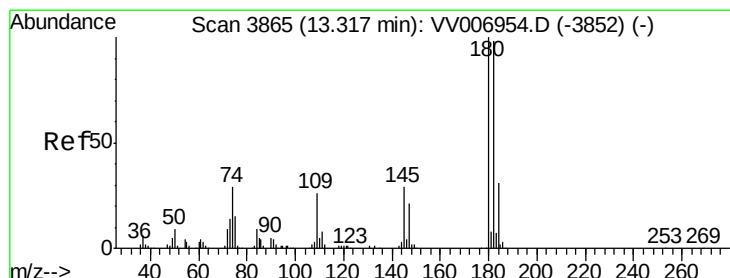
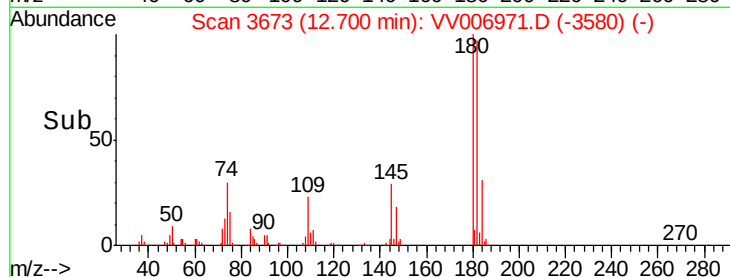
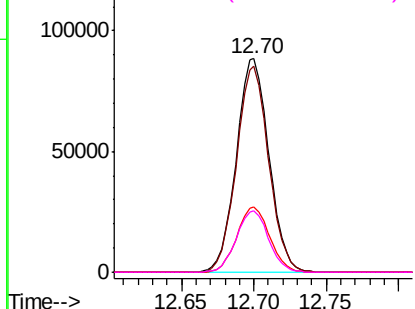
#67
 1,3,5-Trichlorobenzene
 Concen: 5.175 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	138120
Ion Ratio	Lower	Upper
180	100	
182	95.3	75.1 112.7
184	30.7	23.8 35.8
145	28.7	21.9 32.9

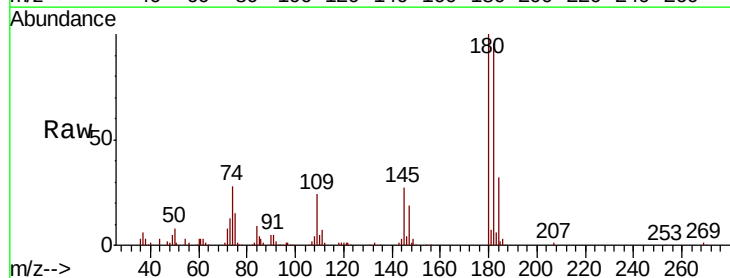


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

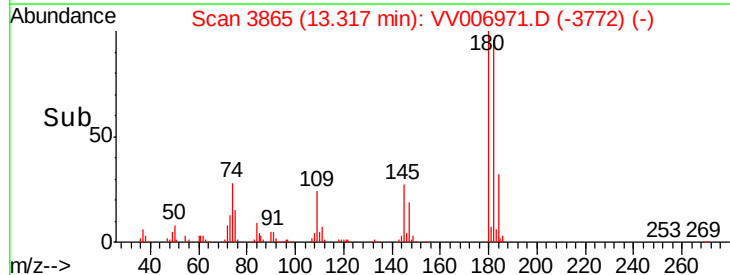
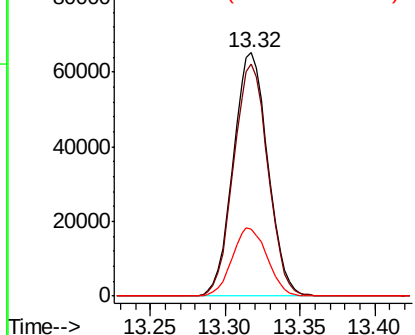


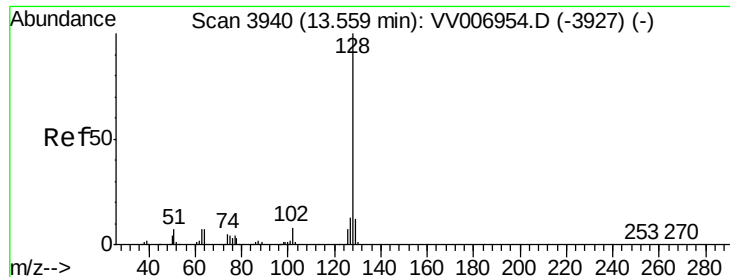
#68
 1,2,4-trichlorobenzene
 Concen: 5.367 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006971.D
 Acq: 10 Aug 2018 00:54

Tgt Ion:180	Resp:	105132
Ion Ratio	Lower	Upper
180	100	
182	94.6	76.5 114.7
145	28.2	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: 5.348 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

Instrument :

MSVOA_V

ClientSampleId :

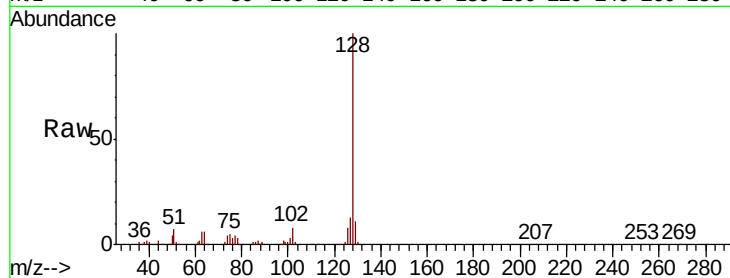
Tot Ion:128 Resp: 150417

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

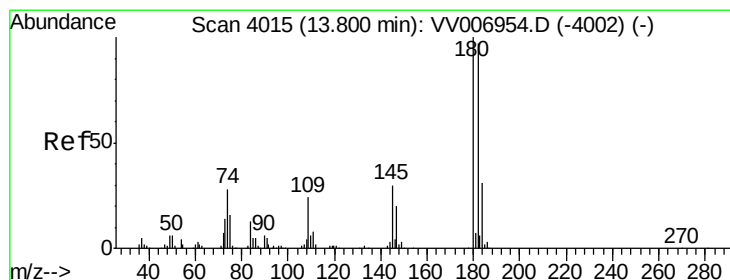
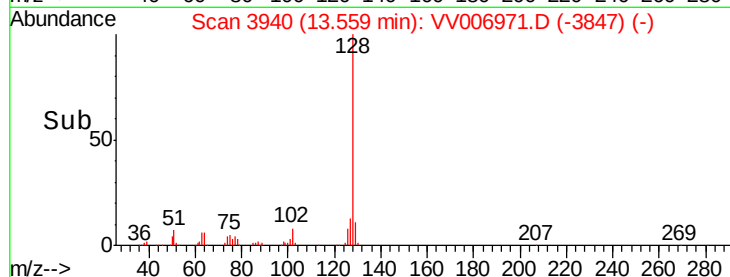
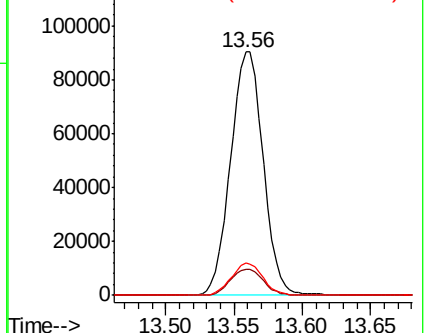
127 12.8 10.6 16.0



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: 5.414 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006971.D

Acq: 10 Aug 2018 00:54

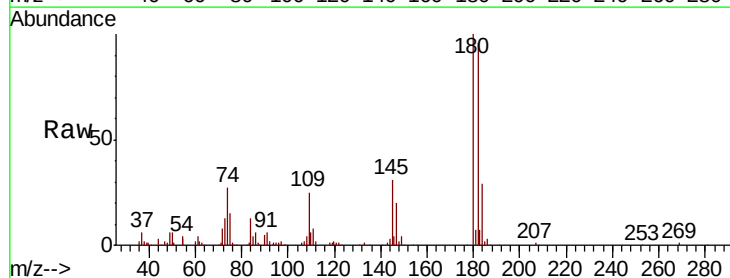
Tgt Ion:180 Resp: 102223

Ion Ratio Lower Upper

180 100

182 95.7 76.1 114.1

145 31.6 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

