

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083018\
 Data File : VV007271.D
 Acq On : 30 Aug 2018 18:58
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 02:24:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR083018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 31 02:21:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	306954	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	300458	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	142017	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	131105	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.58	69	102281	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.13	63	218663	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	3.97	46	261765	49.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.92%
24) Chloroform-d	4.41	84	233154	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.09	65	106751	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	475876	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.12	67	145029	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.36	98	436199	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	7.67	79	51288	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.14	63	179470	51.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	103871	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	140940	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	150812	5.614	ug/L	# 89
3) Chloromethane	1.25	50	153975	5.183	ug/L	99
5) Vinyl chloride	1.32	62	147613	5.115	ug/L	99
6) Bromomethane	1.54	94	75111	5.239	ug/L	100
8) Chloroethane	1.60	64	85279	5.138	ug/L	98
9) Trichlorofluoromethane	1.77	101	189231	5.183	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	115221	5.248	ug/L	98
12) 1,1-Dichloroethene	2.14	96	108640	5.132	ug/L	98
13) Acetone	2.22	43	145803	50.500	ug/L	100
14) Carbon disulfide	2.32	76	356561	5.091	ug/L	100
15) Methyl Acetate	2.47	43	37291	5.174	ug/L	97
16) Methylene chloride	2.54	84	134267	5.375	ug/L	99
17) Methyl tert-butyl Ether	2.82	73	246625	5.183	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	119743	5.098	ug/L	98
19) 1,1-Dichloroethane	3.23	63	216826	5.112	ug/L	100
21) 2-Butanone	4.06	43	278657	53.679	ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	129778	5.141	ug/L	99

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 ClientSampleId :

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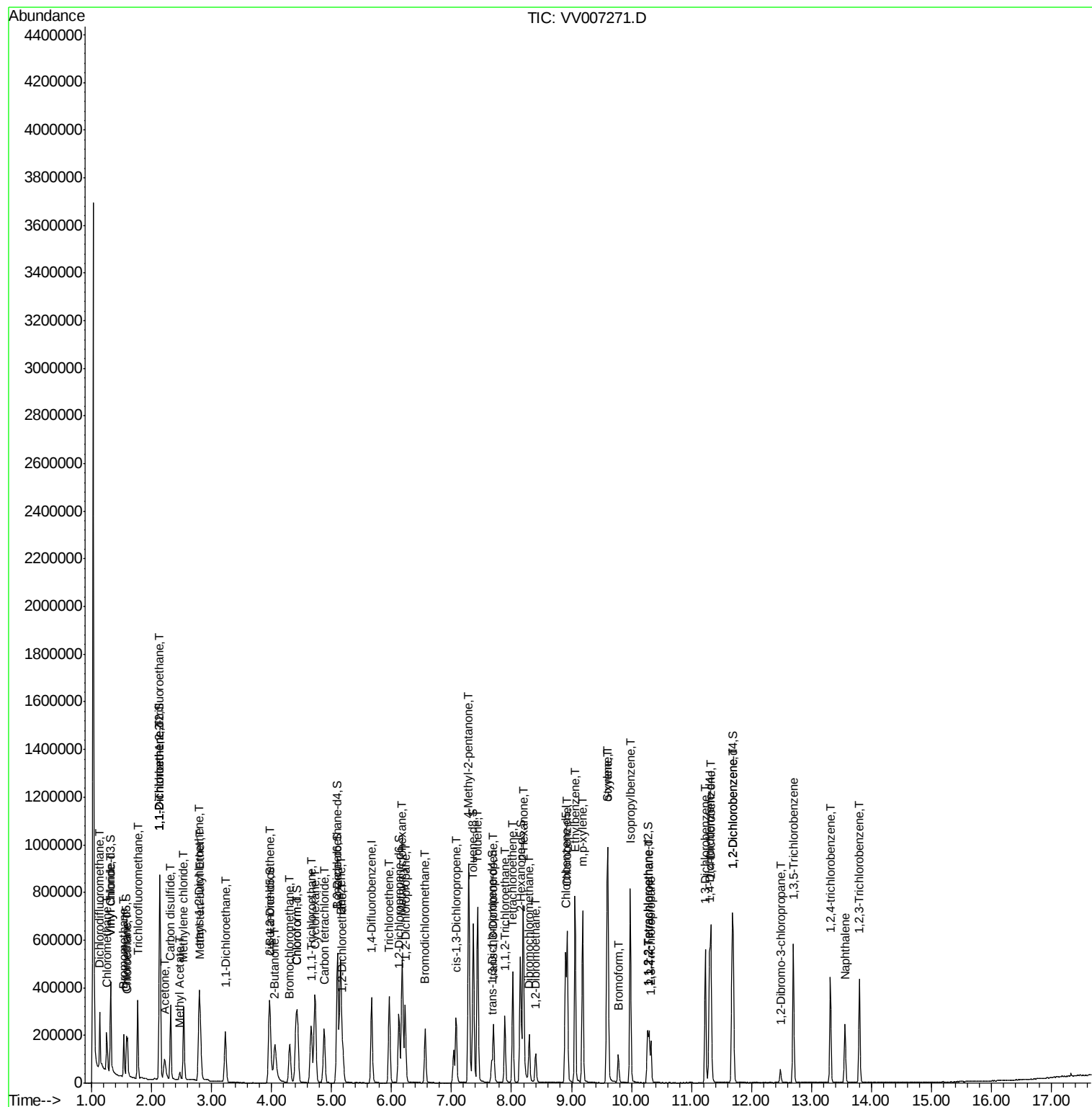
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	56120	5.124	ug/L	96
25) Chloroform	4.43	83	228877	5.180	ug/L	100
27) 1,2-Dichloroethane	5.19	62	130649	5.211	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	193040	5.194	ug/L	100
30) Cyclohexane	4.73	56	190063	5.244	ug/L	97
31) Carbon tetrachloride	4.88	117	169474	5.249	ug/L	99
33) Benzene	5.15	78	526471	5.409	ug/L	100
34) Trichloroethene	5.96	95	126815	5.302	ug/L	98
35) Methylcyclohexane	6.18	83	200865	5.283	ug/L	99
37) 1,2-Dichloropropane	6.23	63	132872	5.283	ug/L	100
38) Bromodichloromethane	6.56	83	154162	5.245	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	166284	5.251	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	640214	56.051	ug/L	100
42) Toluene	7.44	91	540859	5.565	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	140678	5.416	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	87463	5.294	ug/L	99
47) Tetrachloroethene	8.02	164	108671	5.265	ug/L	98
48) 2-Hexanone	8.20	43	477753	58.599	ug/L	99
49) Dibromochloromethane	8.30	129	99591	5.236	ug/L	96
50) 1,2-Dibromoethane	8.40	107	77266	5.284	ug/L	98
51) Chlorobenzene	8.93	112	335900	5.291	ug/L	98
52) Ethylbenzene	9.06	91	526210	5.370	ug/L	99
53) m,p-xylene	9.19	106	206039	5.436	ug/L	97
54) o-xylene	9.59	106	190824	5.408	ug/L	100
55) Styrene	9.61	104	350392	5.707	ug/L	98
56) Isopropylbenzene	9.98	105	504537	5.529	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	102805	5.243	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	71810	5.242	ug/L	100
61) Bromoform	9.78	173	53665	5.096	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	237897	5.355	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	251416	5.409	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	237249	5.441	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	14316	5.236	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	186970	5.223	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	143568	5.114	ug/L	99
69) Naphthalene	13.56	128	197117	5.007	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	137783	5.208	ug/L	100

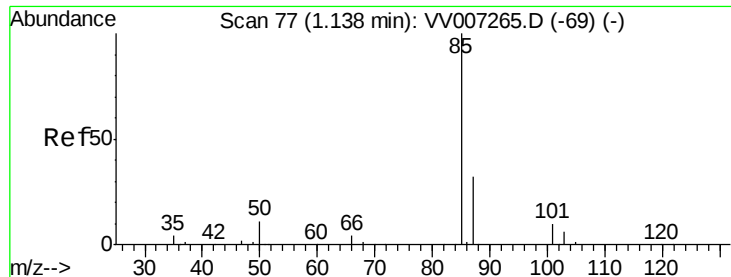
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.614 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

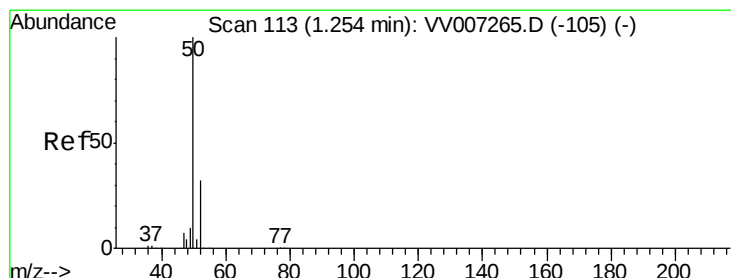
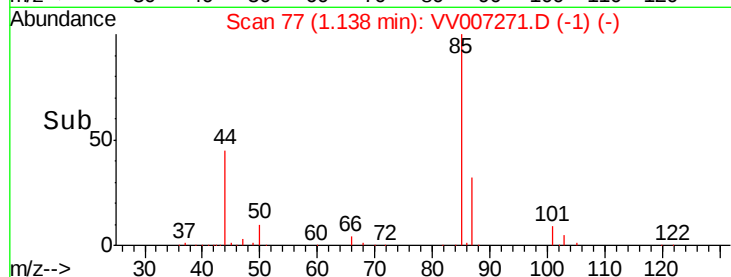
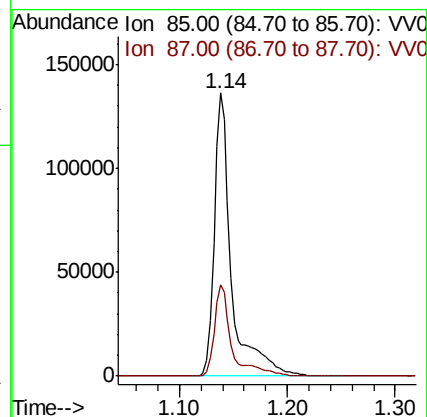
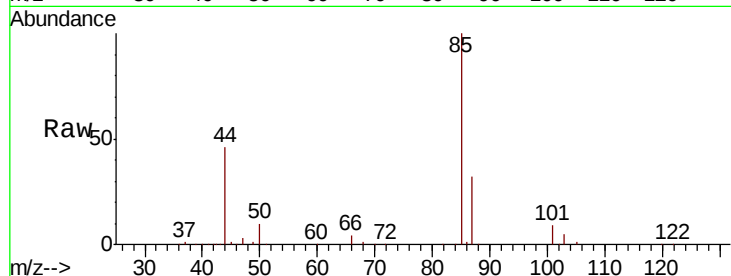
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 150812

Ion Ratio Lower Upper

85 100

87 32.5 21.4 32.0#



#3

Chloromethane

Concen: 5.183 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007271.D

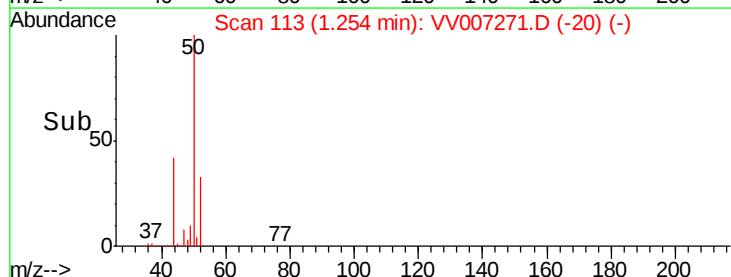
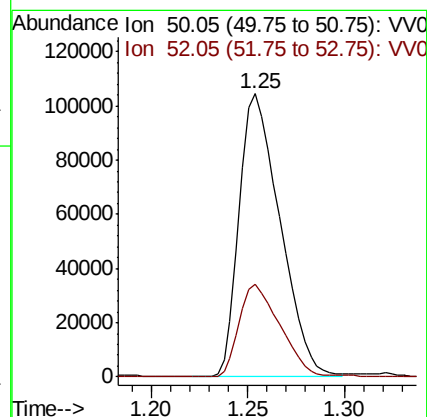
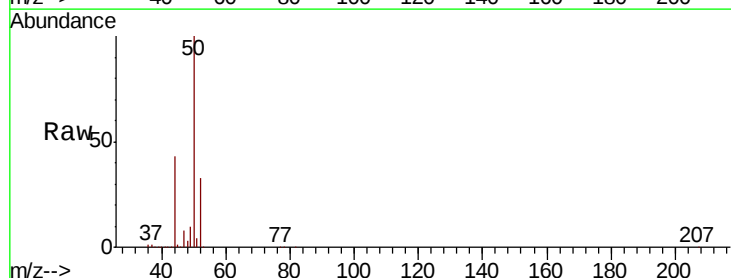
Acq: 30 Aug 2018 18:58

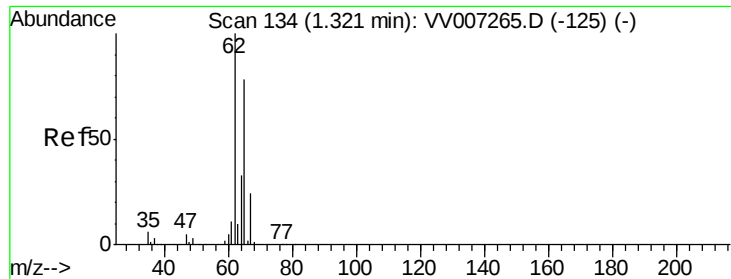
Tgt Ion: 50 Resp: 153975

Ion Ratio Lower Upper

50 100

52 32.5 22.4 41.6





#5

Vinyl chloride

Concen: 5.115 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

Instrument :

MSVOA_V

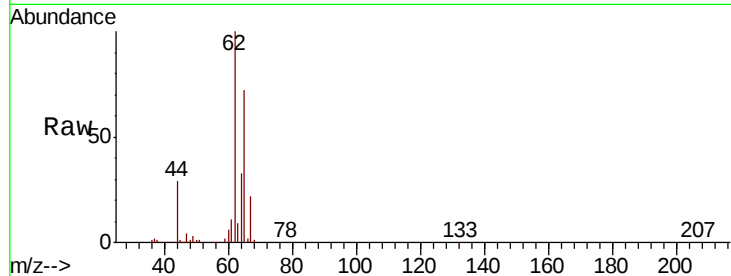
ClientSampleId :

Tot Ion: 62 Resp: 147613

Ion Ratio Lower Upper

62 100

64 33.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV007265.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV007265.D (-125) (-)

1.32

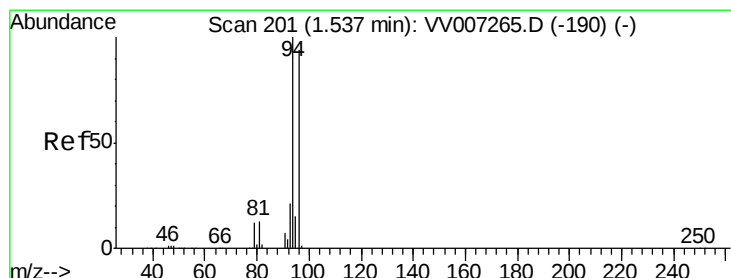
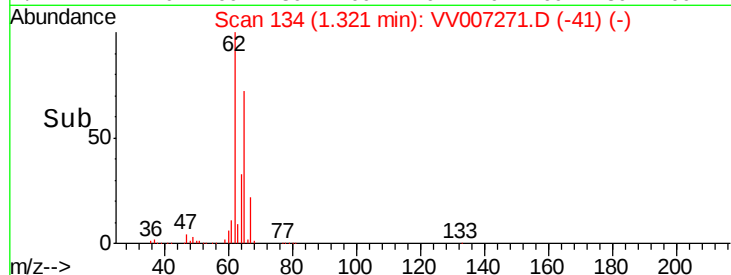
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.239 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007271.D

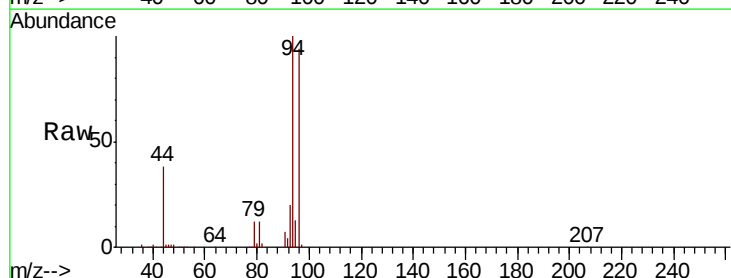
Acq: 30 Aug 2018 18:58

Tgt Ion: 94 Resp: 75111

Ion Ratio Lower Upper

94 100

96 94.5 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV007265.D (-190) (-)

Ion 96.00 (95.70 to 96.70): VV007265.D (-190) (-)

1.54

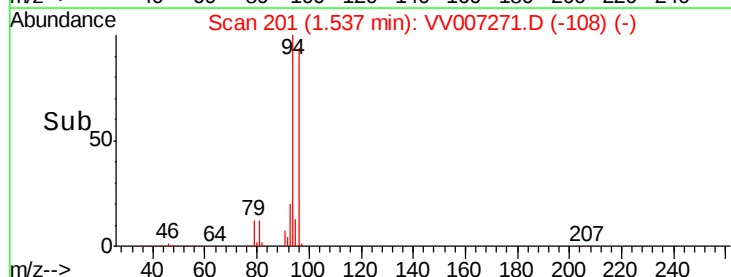
60000

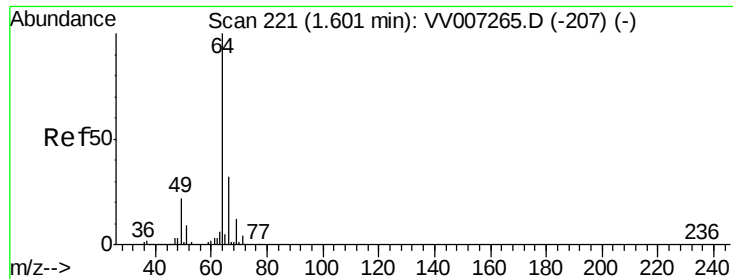
40000

20000

0

Time-->

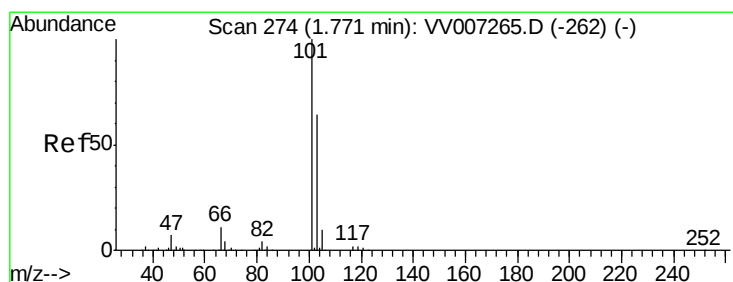
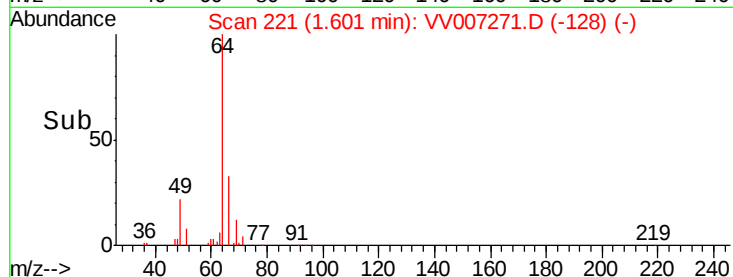
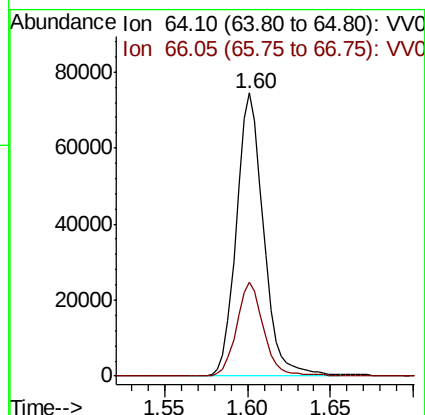
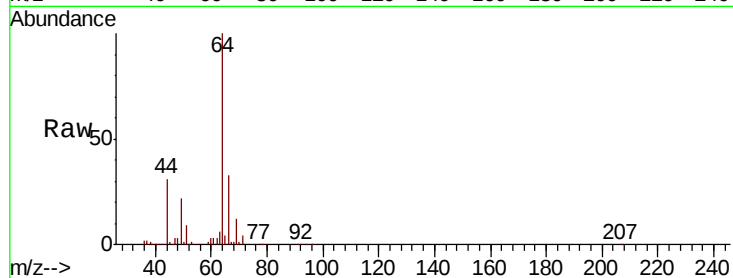




#8
Chloroethane
Concen: 5.138 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

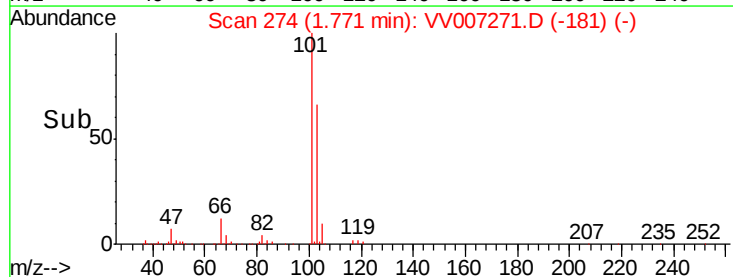
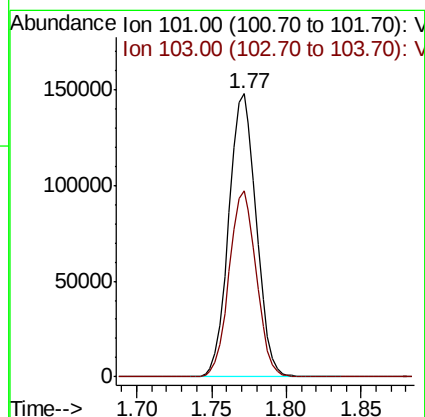
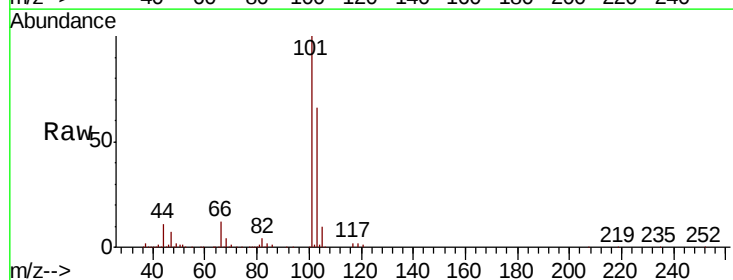
Instrument :
MSVOA_V
ClientSampleId :

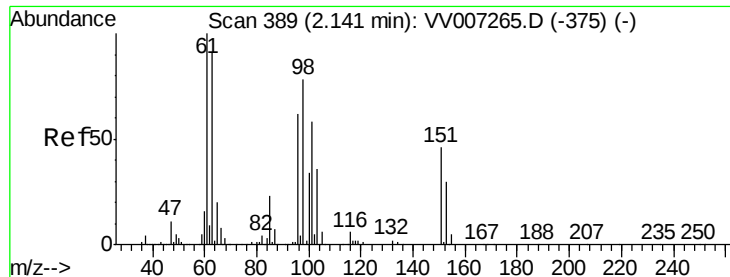
Tot Ion: 64 Resp: 85279
Ion Ratio Lower Upper
64 100
66 33.1 22.3 41.3



#9
Trichlorofluoromethane
Concen: 5.183 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

Tgt Ion:101 Resp: 189231
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.0





#10

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

Concen: 5.248 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

Instrument :

MSVOA_V

ClientSampleId :

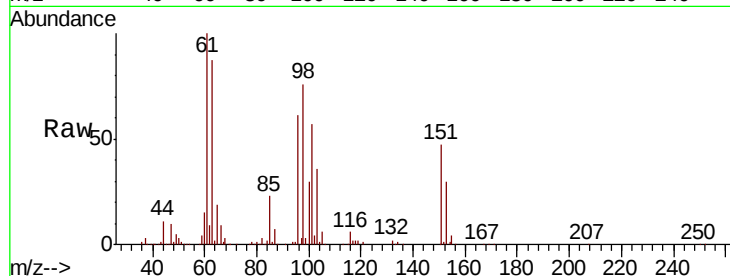
Tot Ion:101 Resp: 115221

Ion Ratio Lower Upper

101 100

85 40.6 32.4 48.6

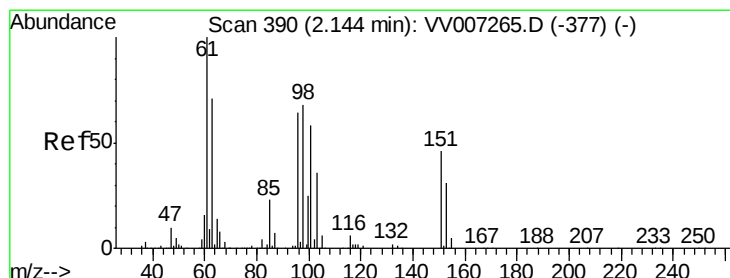
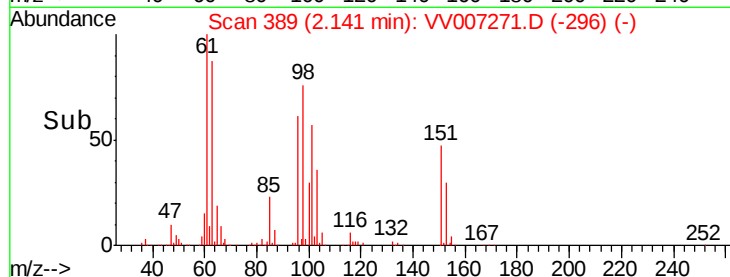
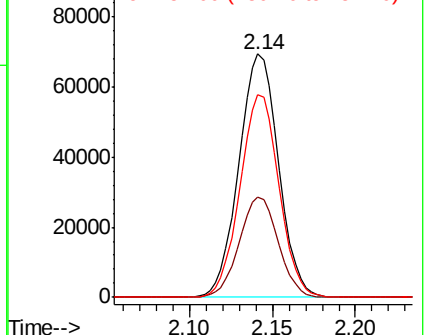
151 82.1 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): VV007271.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV007271.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV007271.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 5.132 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

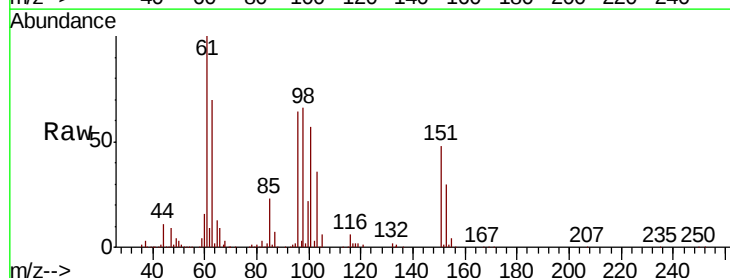
Tgt Ion: 96 Resp: 108640

Ion Ratio Lower Upper

96 100

61 156.9 108.8 202.0

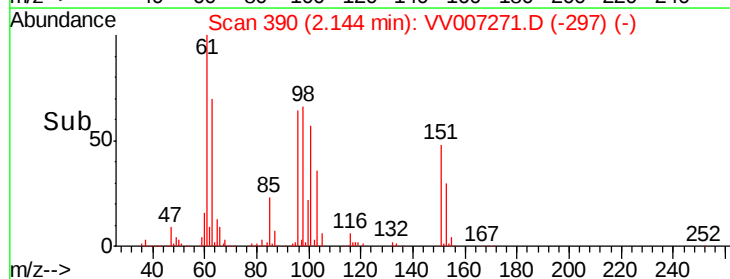
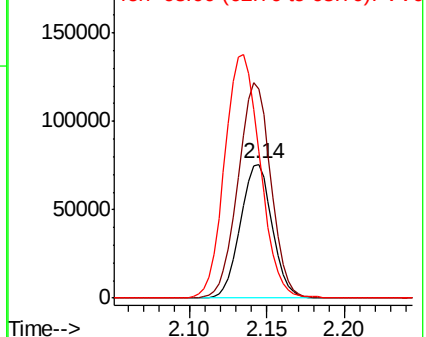
63 109.2 78.0 144.9

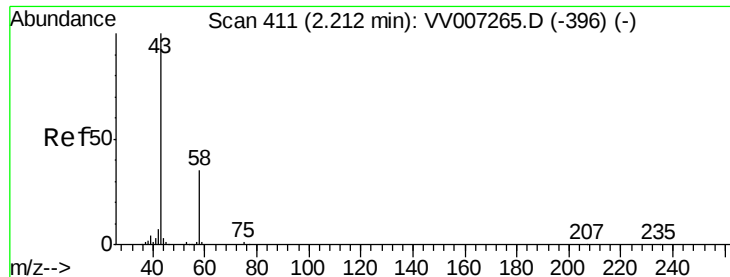


Abundance Ion 96.00 (95.70 to 96.70): VV007271.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV007271.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV007271.D (-297) (-)





#13

Acetone

Concen: 50.500 ug/L

RT: 2.22 min Scan# 413

Delta R.T. 0.01 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

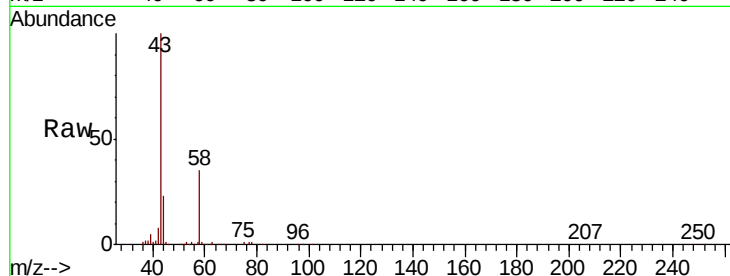
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 145803

Ion Ratio Lower Upper

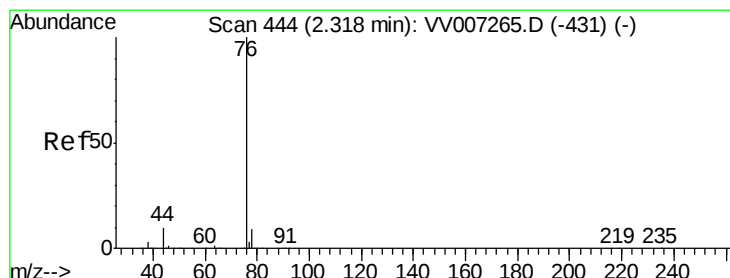
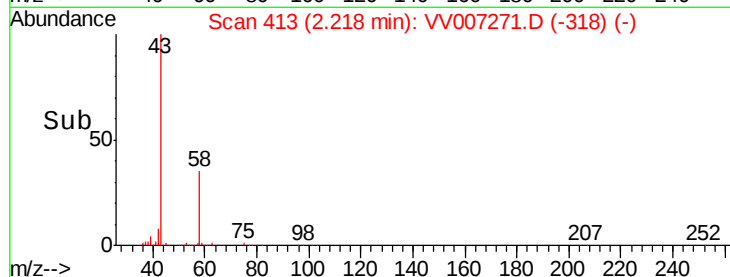
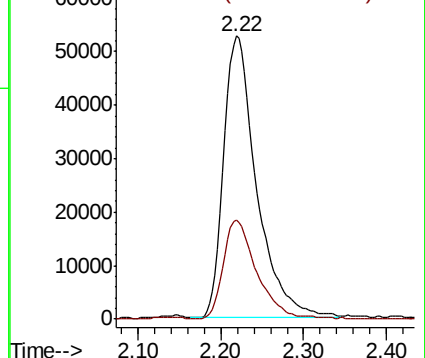
43 100

58 35.6 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VV007265.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007265.D (-396) (-)



#14

Carbon disulfide

Concen: 5.091 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007271.D

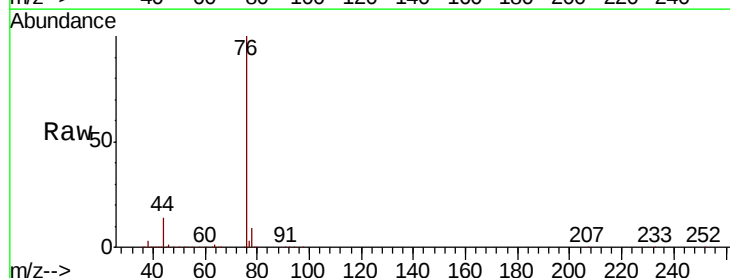
Acq: 30 Aug 2018 18:58

Tgt Ion: 76 Resp: 356561

Ion Ratio Lower Upper

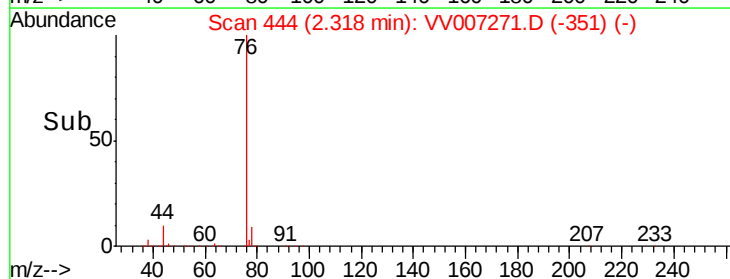
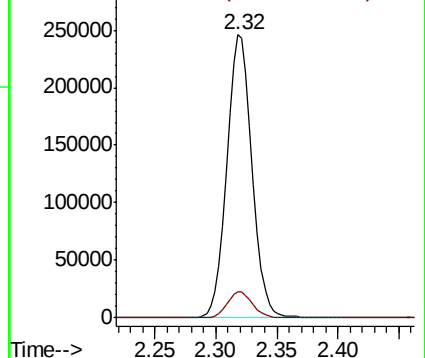
76 100

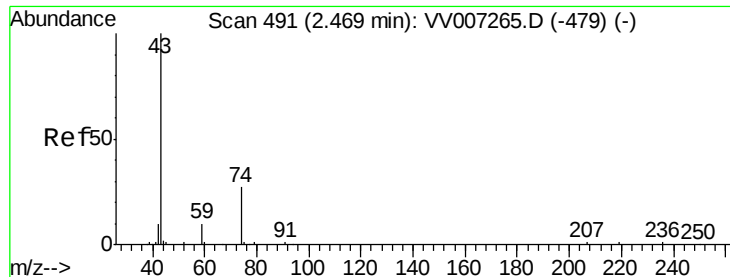
78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007265.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007265.D (-431) (-)

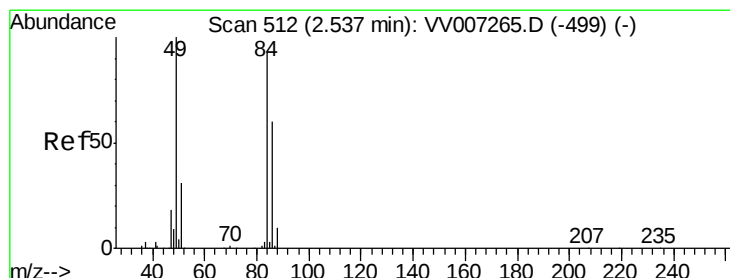
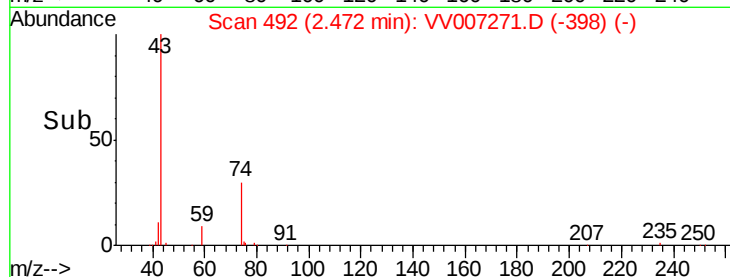
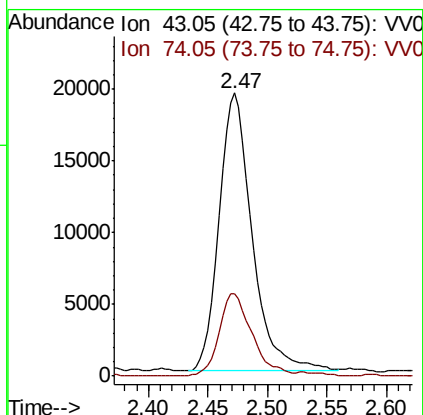
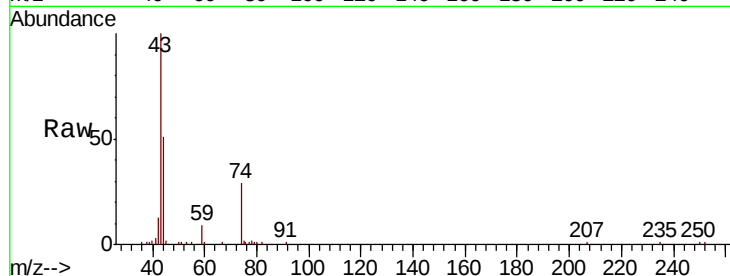




#15
Methyl Acetate
Concen: 5.174 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

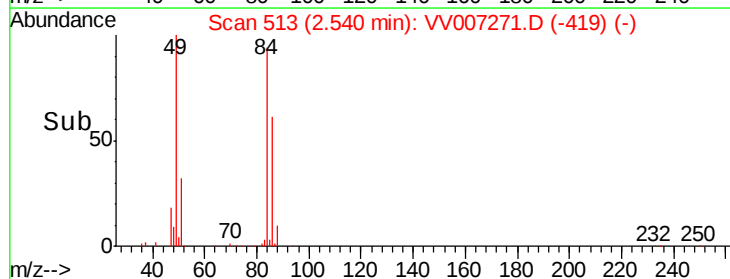
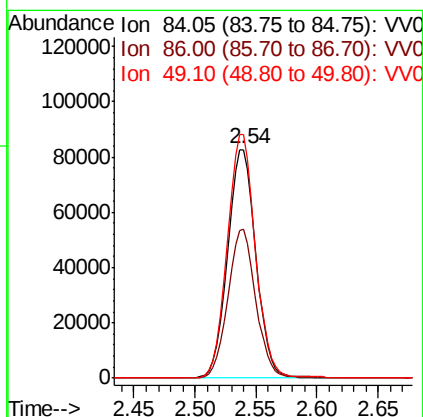
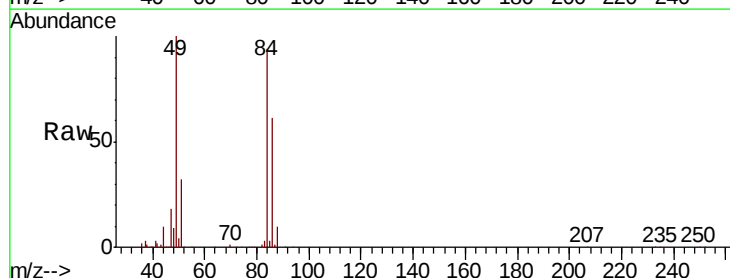
Instrument :
MSVOA_V
ClientSampled :

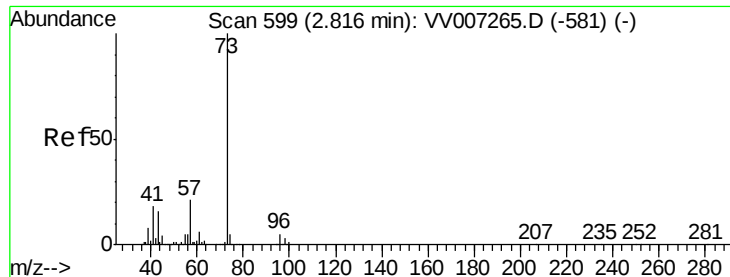
Tot Ion: 43 Resp: 37291
Ion Ratio Lower Upper
43 100
74 29.8 22.5 33.7



#16
Methylene chloride
Concen: 5.375 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

Tgt Ion: 84 Resp: 134267
Ion Ratio Lower Upper
84 100
86 65.1 44.8 83.2
49 106.4 75.2 139.6

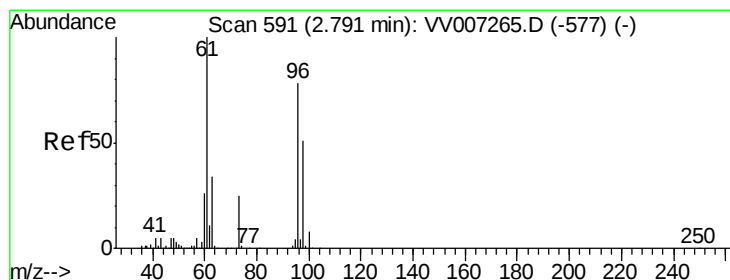
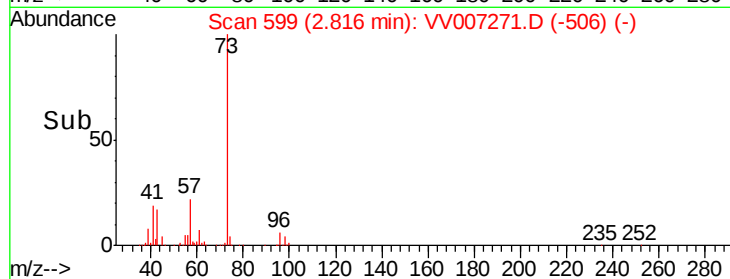
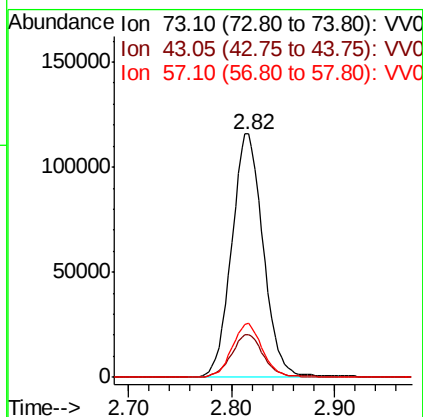
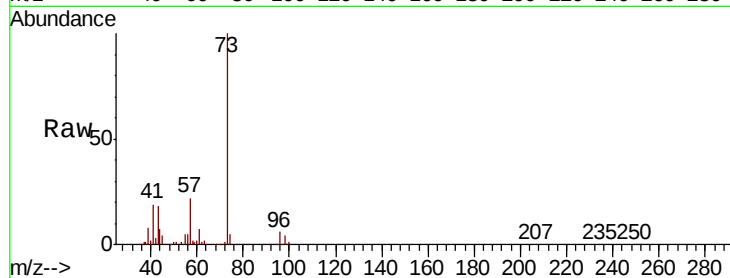




#17
Methvl tert-butvl Ether
Concen: 5.183 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

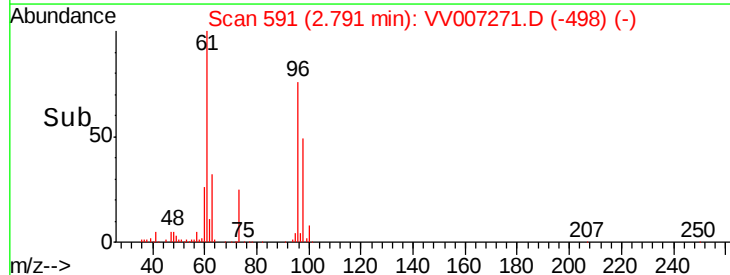
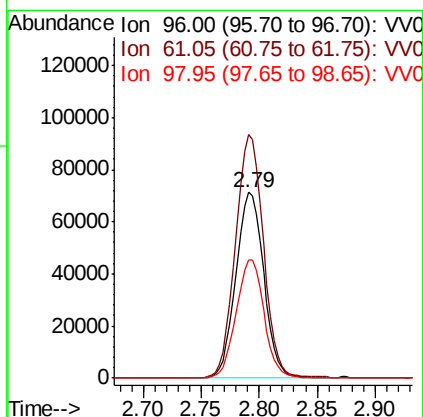
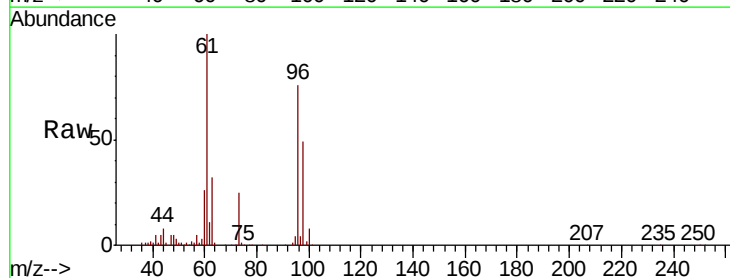
Instrument :
MSVOA_V
ClientSampleId :

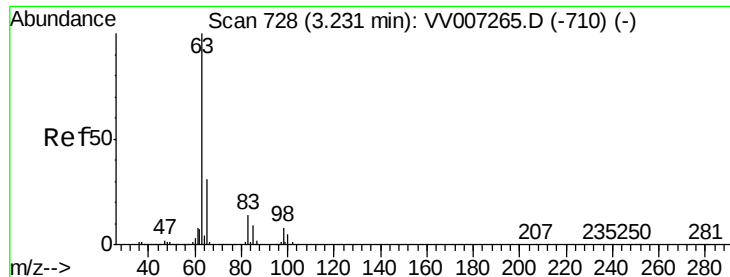
Tot Ion	Ratio	Lower	Upper
73	100		
43	17.6	13.2	19.8
57	21.3	17.3	25.9



#18
trans-1,2-Dichloroethene
Concen: 5.098 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.1	89.5	166.3
98	63.8	45.3	84.1

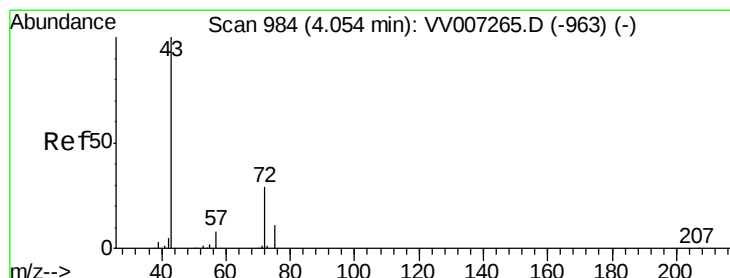
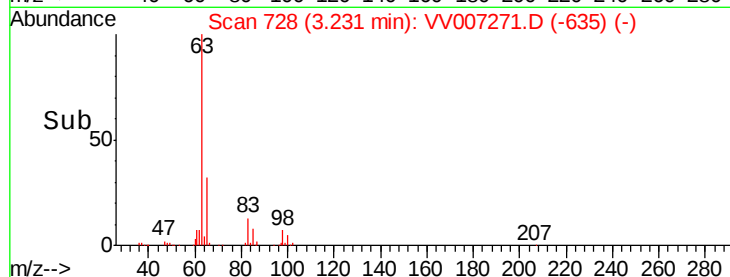
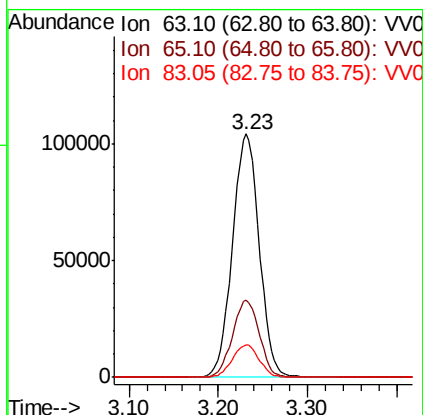
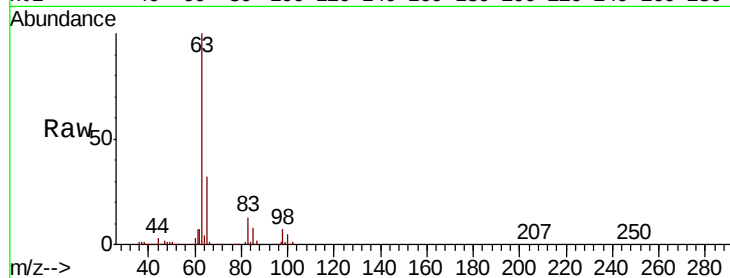




#19
 1,1-Dichloroethane
 Concen: 5.112 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007271.D
 Acq: 30 Aug 2018 18:58

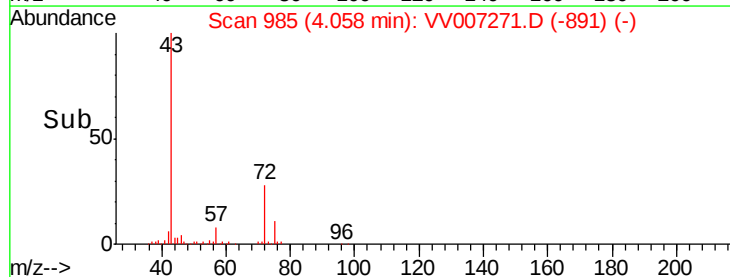
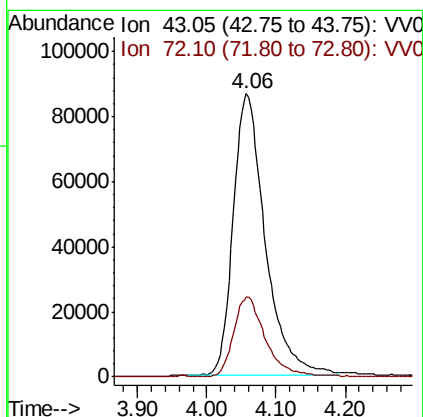
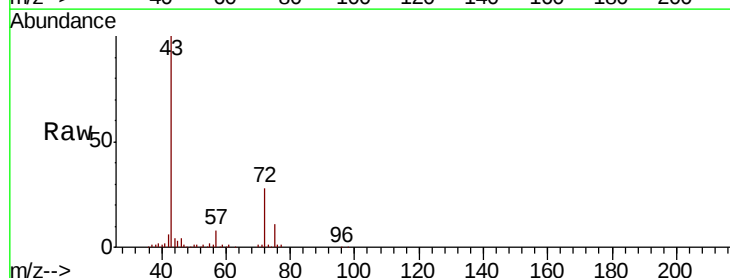
Instrument :
 MSVOA_V
 ClientSampled :

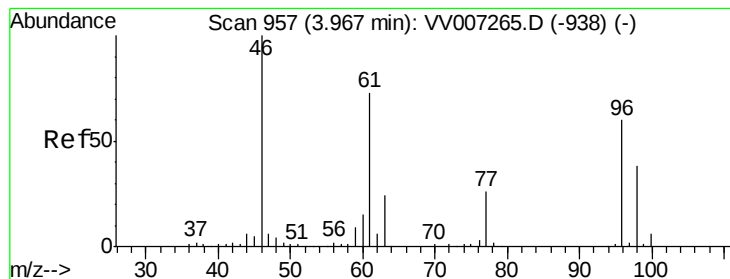
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.1	41.1
83	13.3	9.4	17.6



#21
 2-Butanone
 Concen: 53.679 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VV007271.D
 Acq: 30 Aug 2018 18:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.6	14.1	42.3



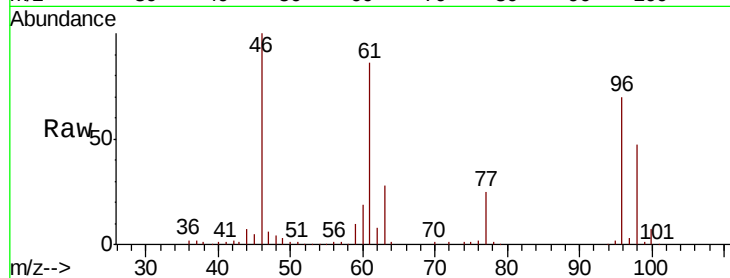


#22

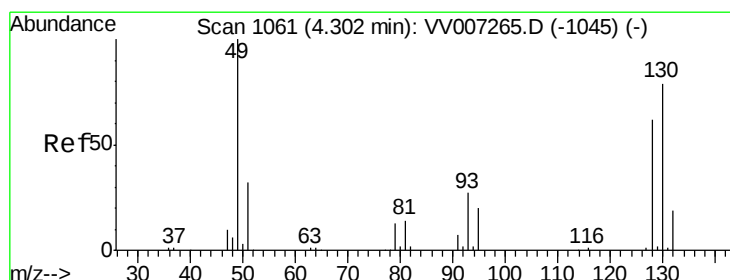
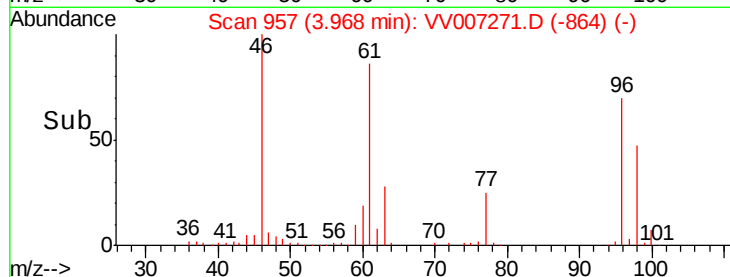
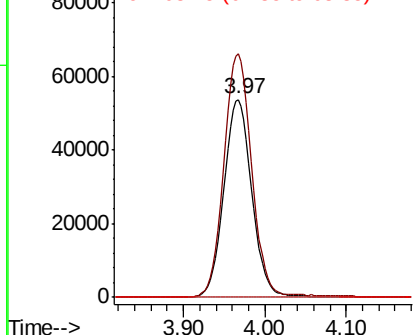
cis-1,2-Dichloroethene
Concen: 5.141 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 129778
Ion Ratio Lower Upper
96 100
61 123.2 85.4 158.6
68 0.0 0.0 0.0



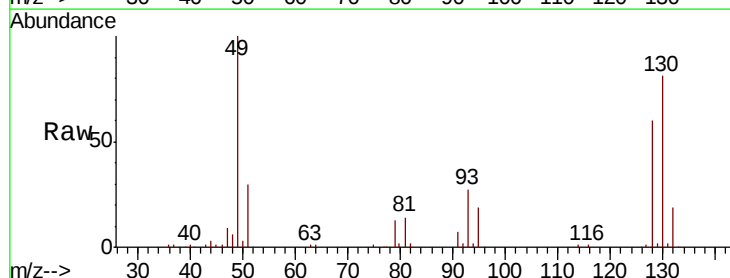
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



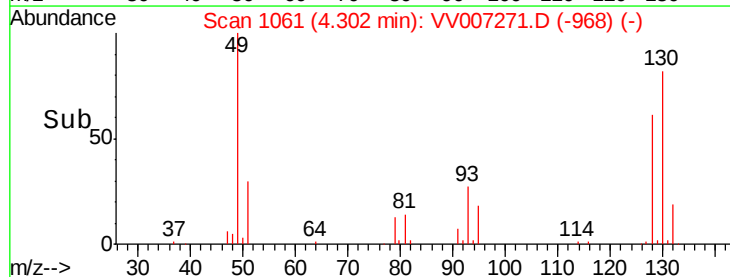
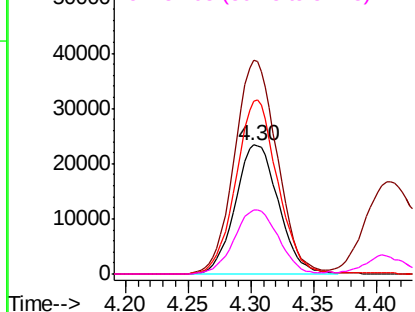
#23

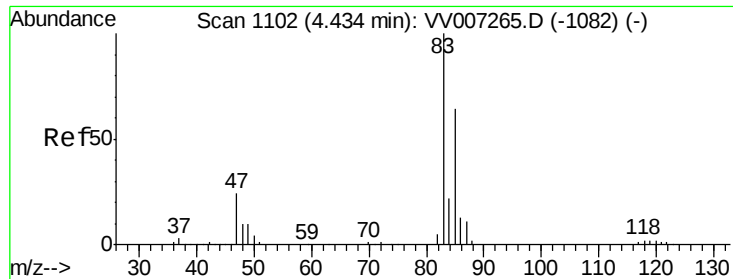
Bromochloromethane
Concen: 5.124 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

Tgt Ion: 128 Resp: 56120
Ion Ratio Lower Upper
128 100
49 165.7 113.1 210.1
130 134.0 88.8 165.0
51 49.4 41.9 62.9



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

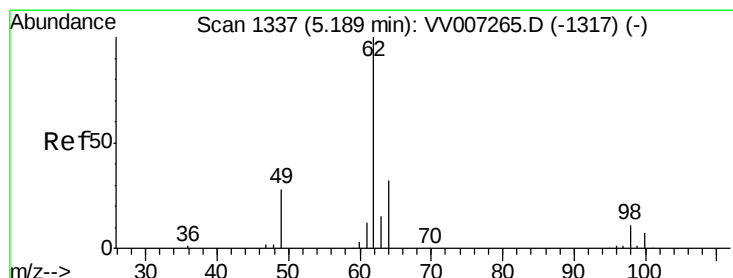
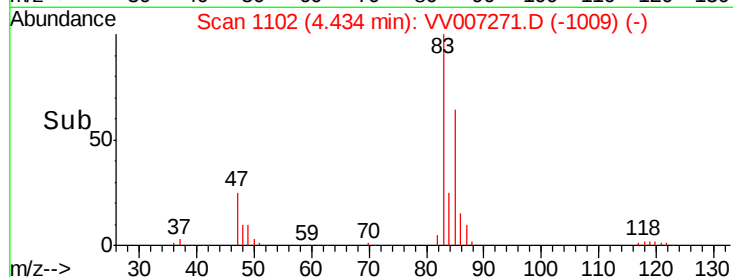
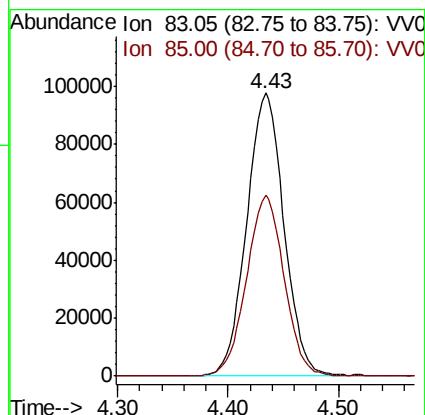
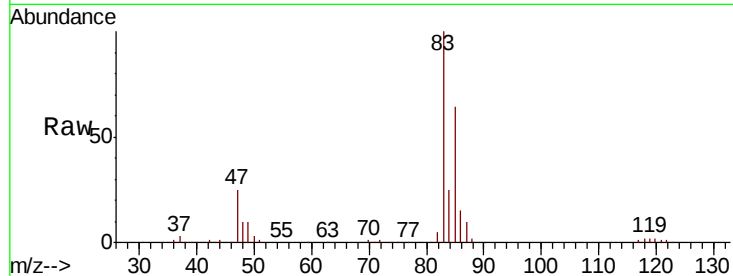




#25
Chloroform
Concen: 5.180 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

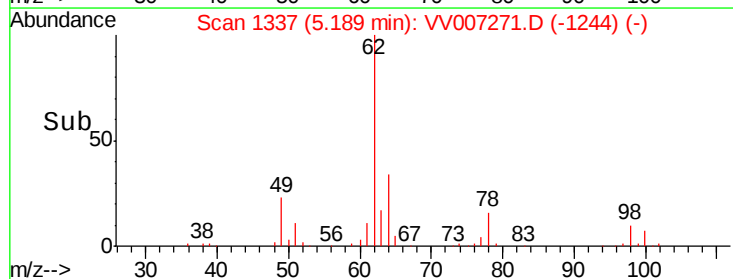
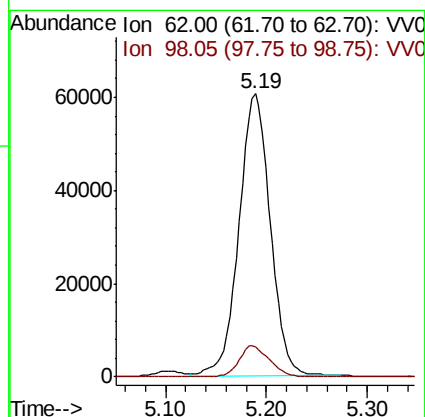
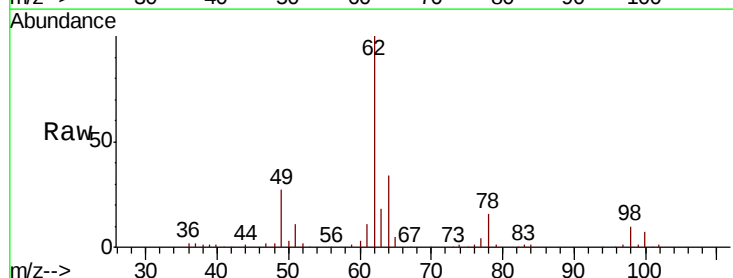
Instrument :
MSVOA_V
ClientSampled :

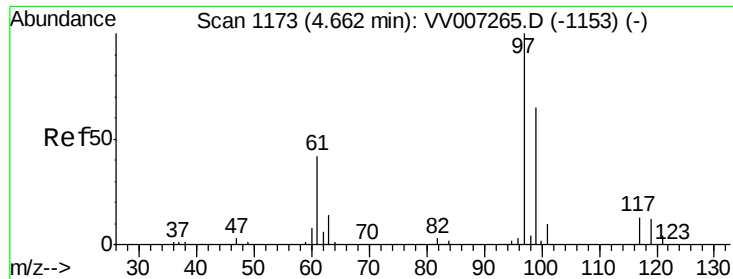
Tot Ion: 83 Resp: 228877
Ion Ratio Lower Upper
83 100
85 63.8 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.211 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

Tgt Ion: 62 Resp: 130649
Ion Ratio Lower Upper
62 100
98 10.5 8.6 12.8

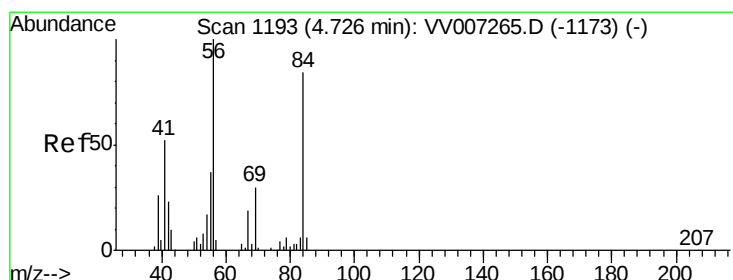
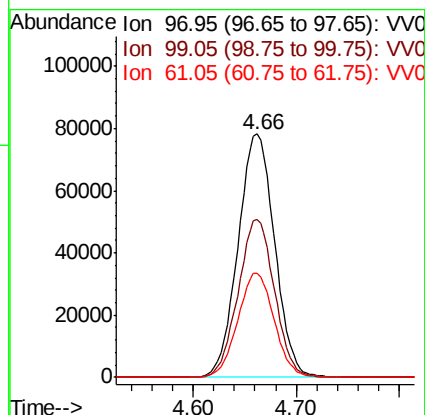
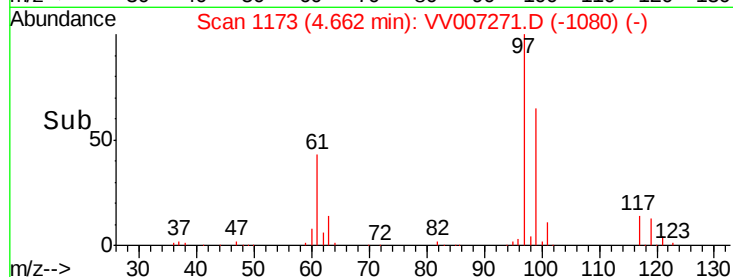
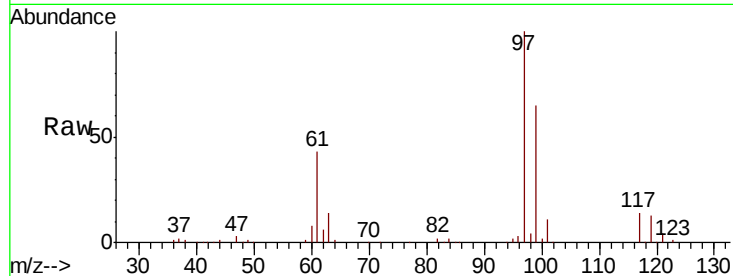




#29
 1,1,1-Trichloroethane
 Concen: 5.194 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV007271.D
 Acq: 30 Aug 2018 18:58

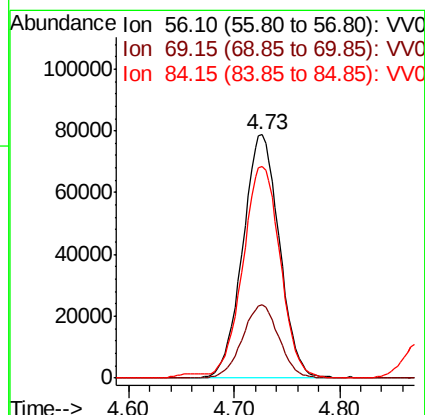
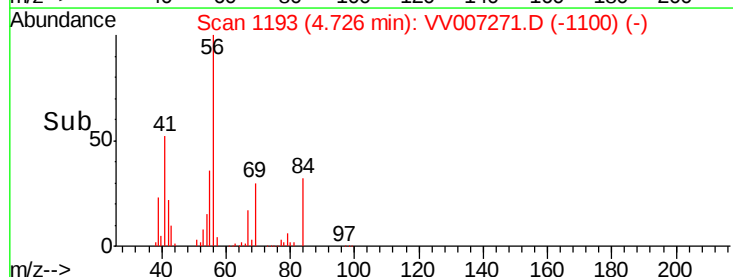
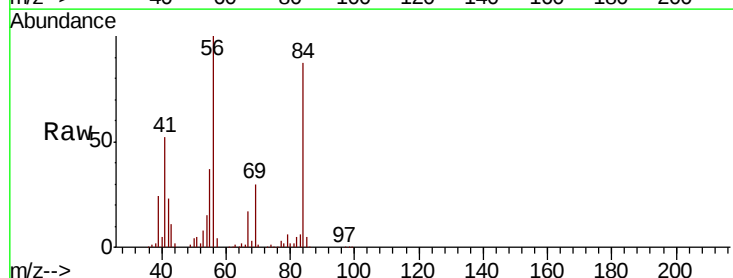
Instrument :
 MSVOA_V
 ClientSampled :

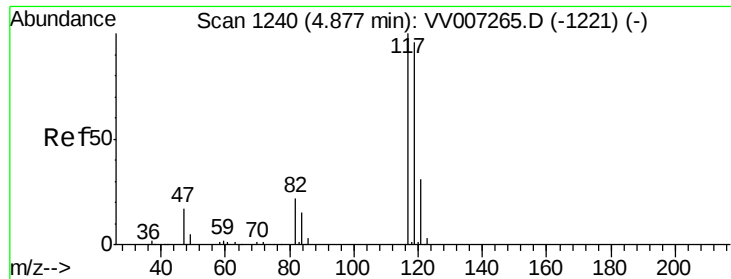
Tot Ion: 97 Resp: 193040
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.5 77.3
 61 42.8 33.9 50.9



#30
 Cyclohexane
 Concen: 5.244 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV007271.D
 Acq: 30 Aug 2018 18:58

Tgt Ion: 56 Resp: 190063
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.7 37.1
 84 88.8 68.7 103.1





#31

Carbon tetrachloride

Concen: 5.249 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

Instrument :

MSVOA_V

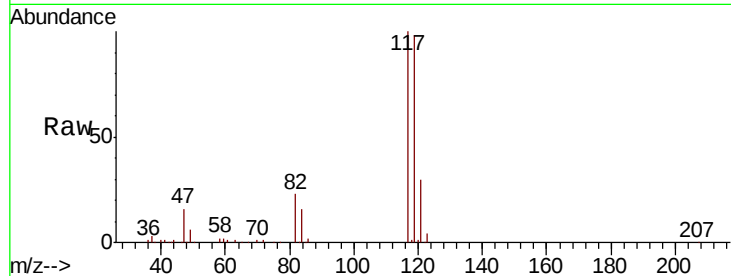
ClientSampleId :

Tot Ion:117 Resp: 169474

Ion Ratio Lower Upper

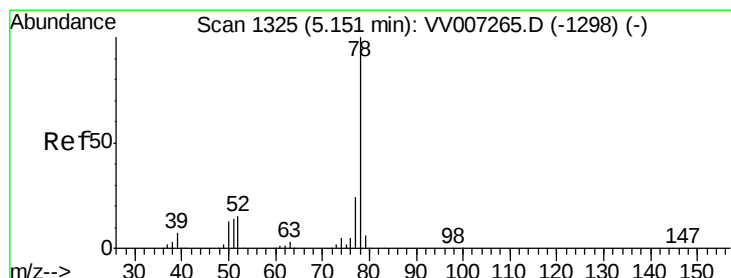
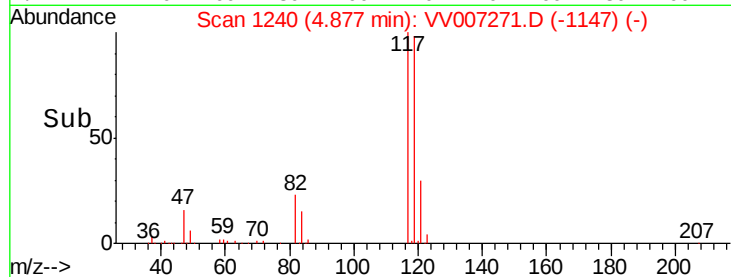
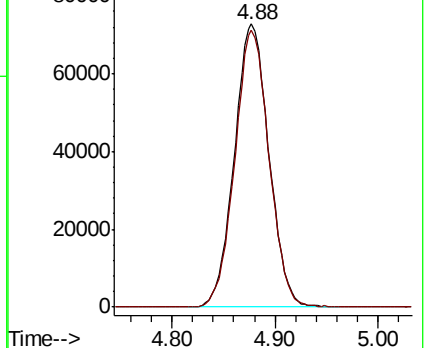
117 100

119 96.8 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.409 ug/L

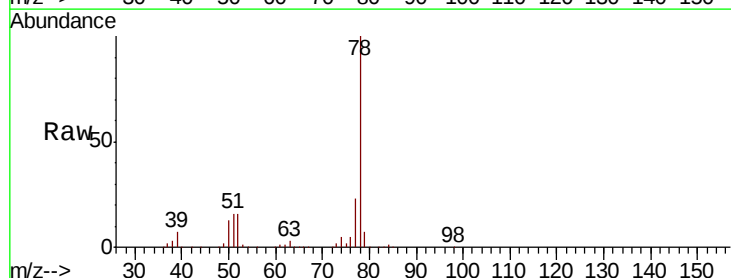
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

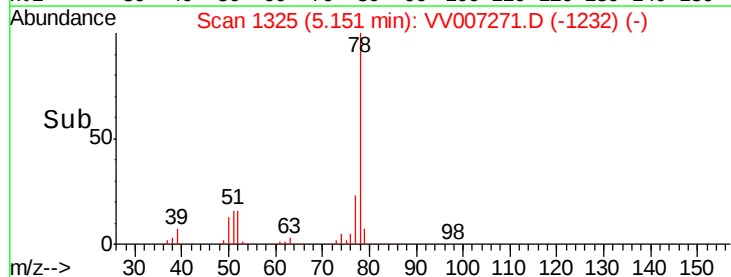
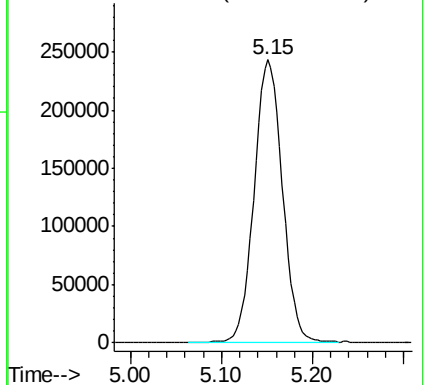
Lab File: VV007271.D

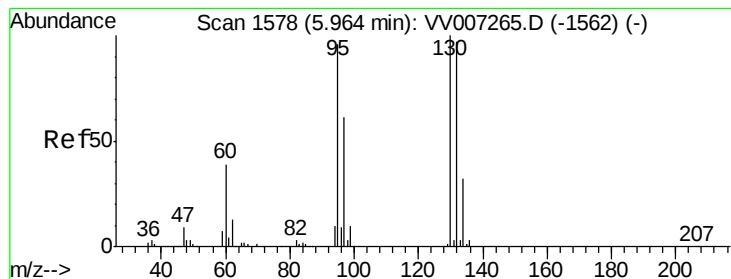
Acq: 30 Aug 2018 18:58

Tgt Ion: 78 Resp: 526471



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.302 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 126815

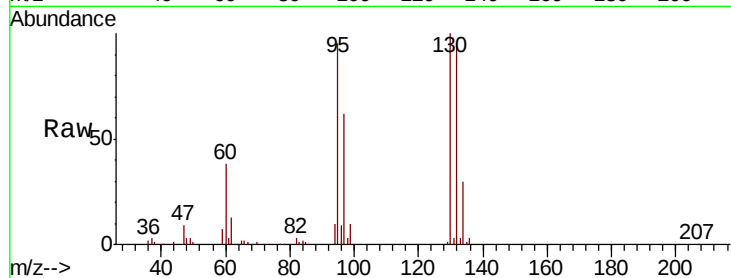
Ion Ratio Lower Upper

95 100

97 65.1 44.2 82.2

132 99.7 70.9 131.7

130 104.8 72.7 135.1

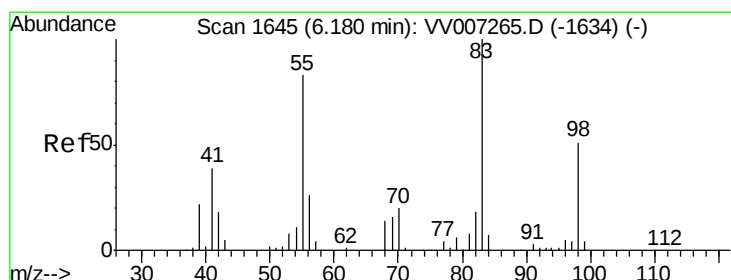
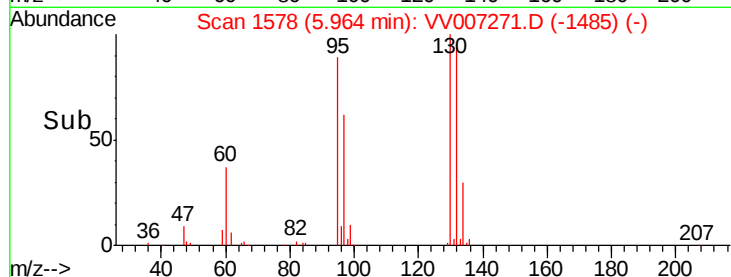
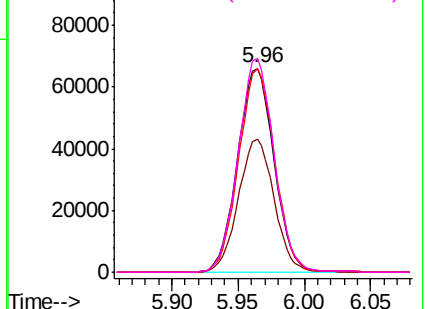


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.283 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

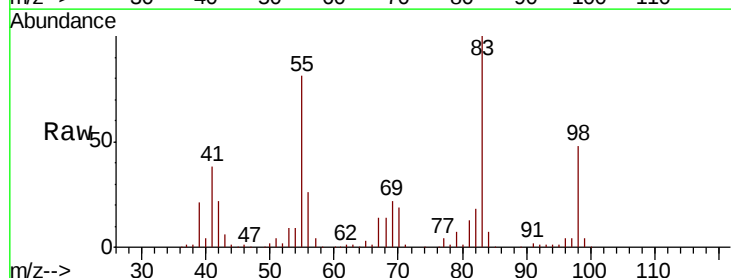
Tgt Ion: 83 Resp: 200865

Ion Ratio Lower Upper

83 100

55 79.9 63.5 95.3

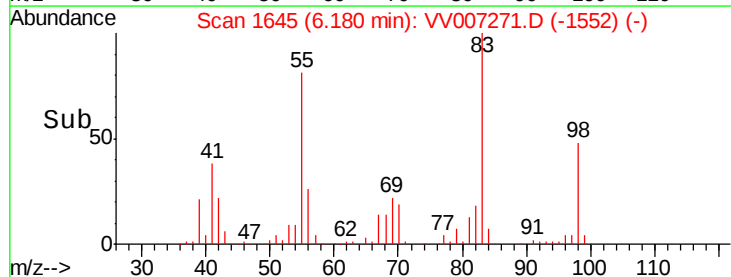
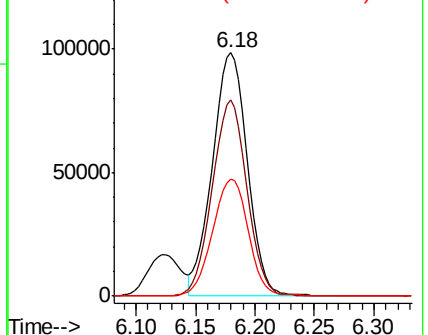
98 49.5 38.9 58.3

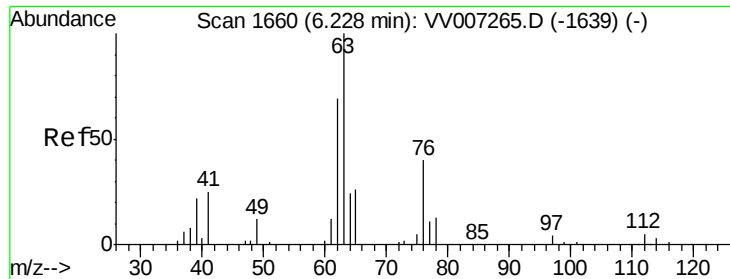


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.283 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

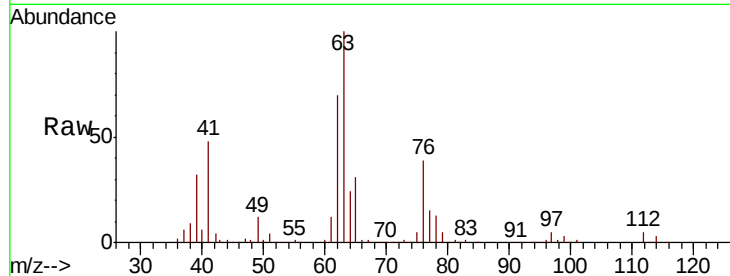
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 132872

Ion Ratio Lower Upper

63 100

112 5.0 3.9 5.9



Abundance Ion 63.10 (62.80 to 63.80): VV007271.D (-1667) (-)

Ion 112.10 (111.80 to 112.80): VV007271.D (-1667) (-)

6.23

80000

60000

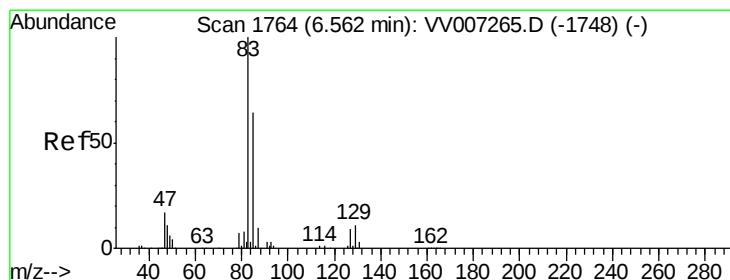
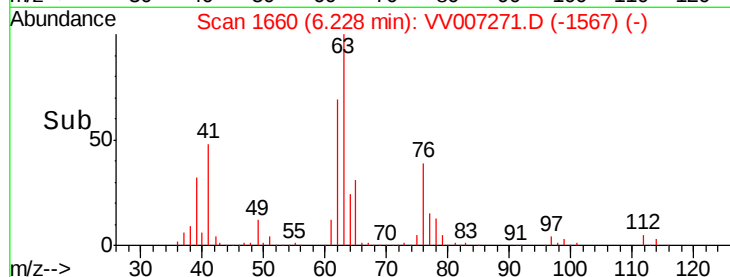
40000

20000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.245 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

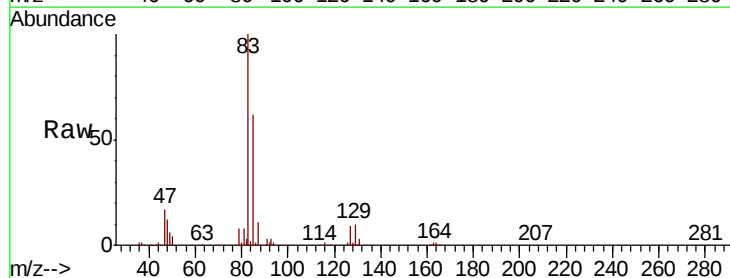
Tgt Ion: 83 Resp: 154162

Ion Ratio Lower Upper

83 100

85 62.2 44.7 83.1

127 8.6 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VV007271.D (-1761) (-)

Ion 85.00 (84.70 to 85.70): VV007271.D (-1761) (-)

Ion 126.90 (126.60 to 127.60): VV007271.D (-1761) (-)

6.56

100000

80000

60000

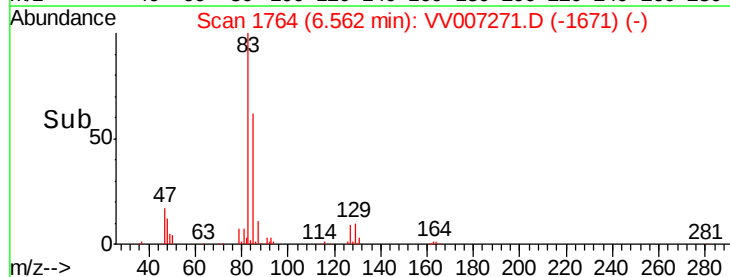
40000

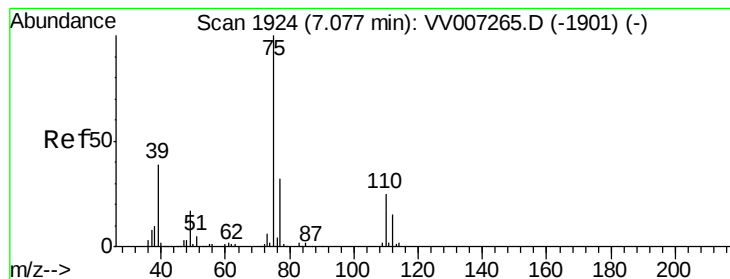
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->



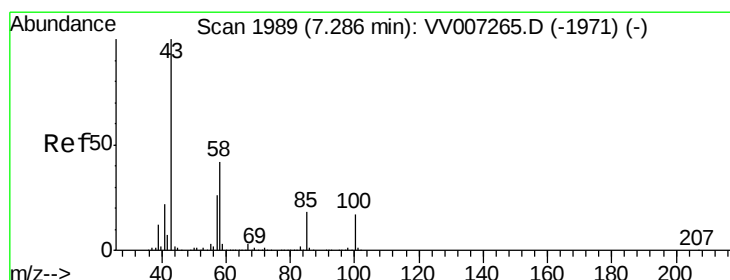
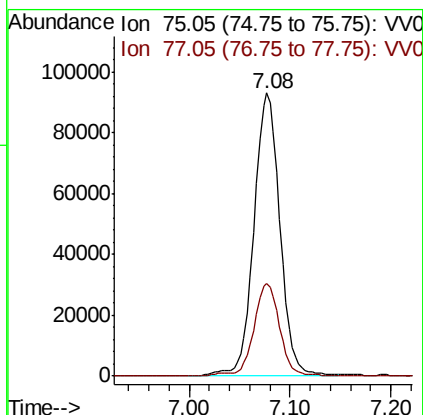
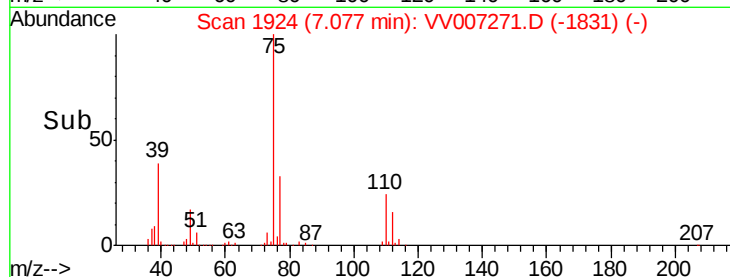
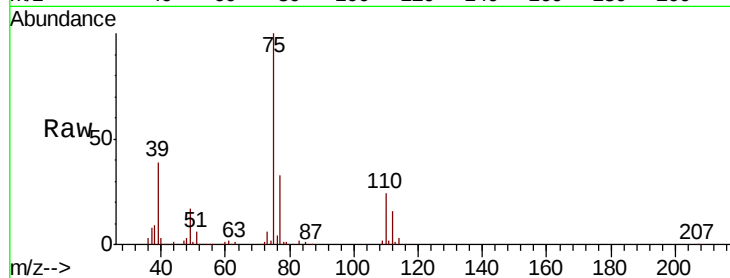


#39

cis-1,3-Dichloropropene
 Concen: 5.251 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007271.D
 Acq: 30 Aug 2018 18:58

Instrument :
 MSVOA_V
 ClientSampled :

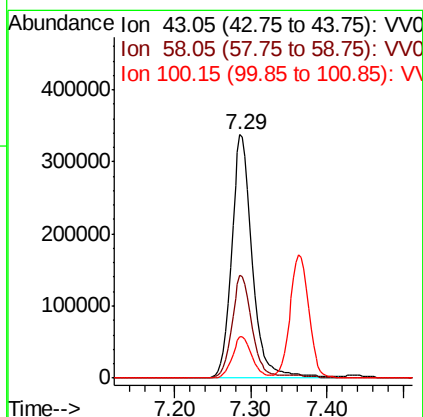
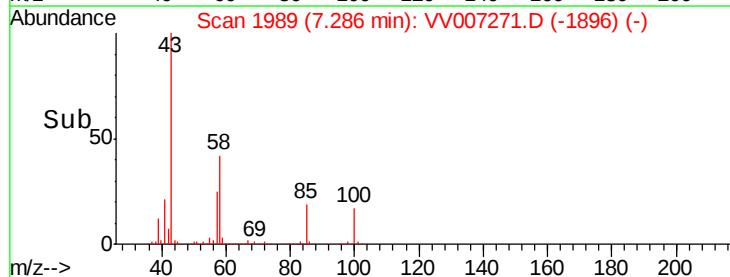
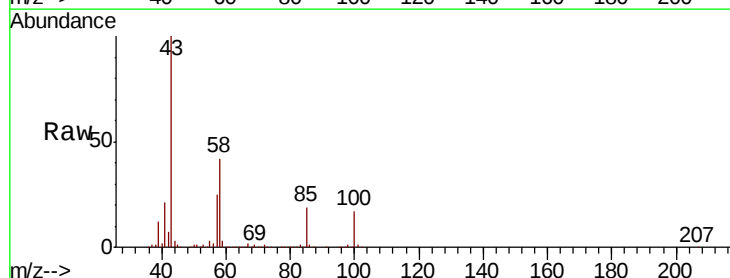
Tot Ion: 75 Resp: 166284
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.7 42.3

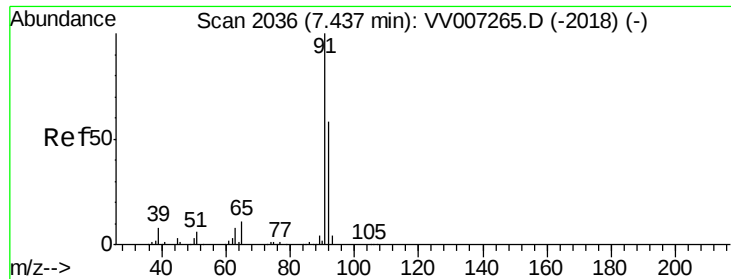


#40

4-Methyl-2-pentanone
 Concen: 56.051 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007271.D
 Acq: 30 Aug 2018 18:58

Tgt Ion: 43 Resp: 640214
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.7 49.1
 100 16.0 13.1 19.7





#42

Toluene

Concen: 5.565 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

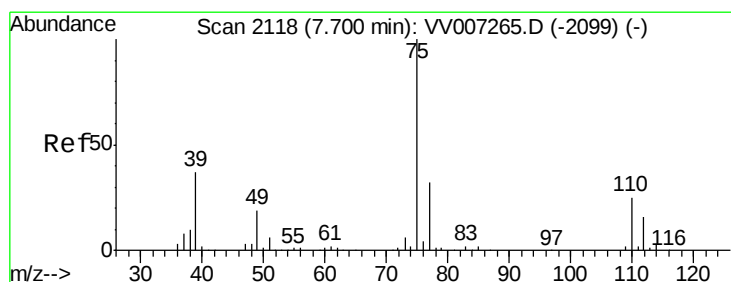
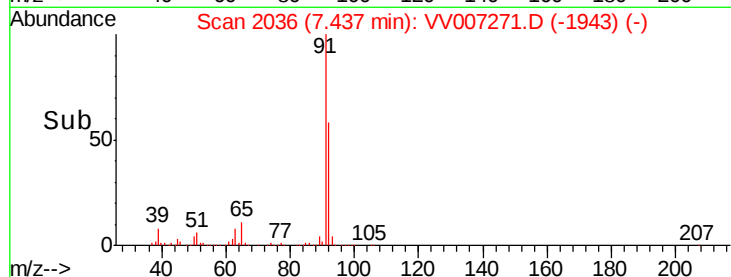
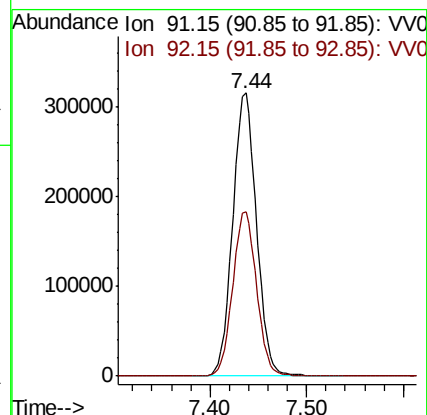
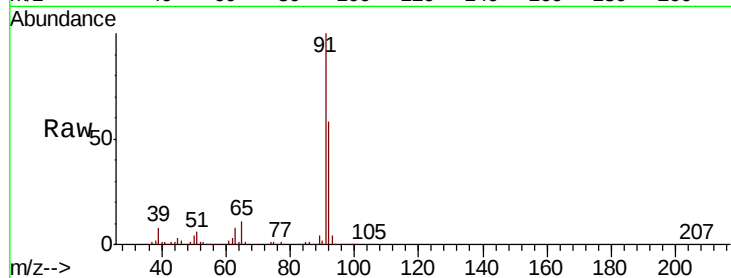
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 540859

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 5.416 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007271.D

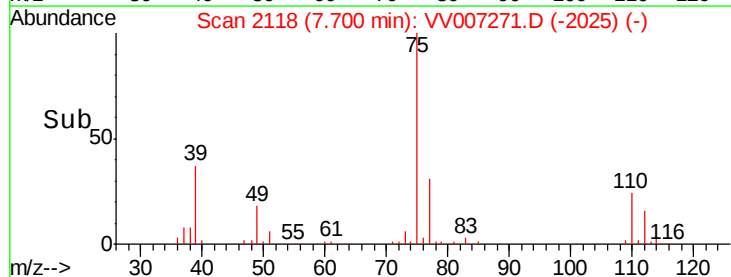
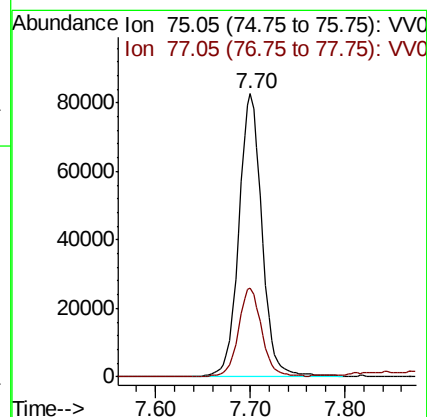
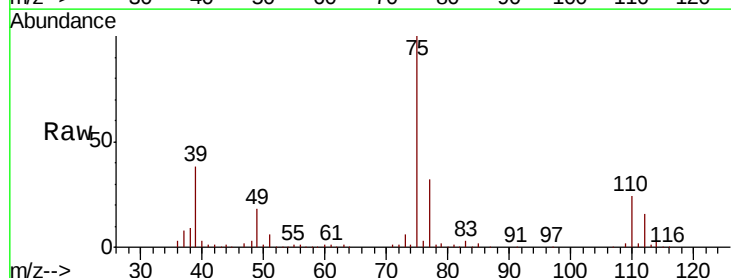
Acq: 30 Aug 2018 18:58

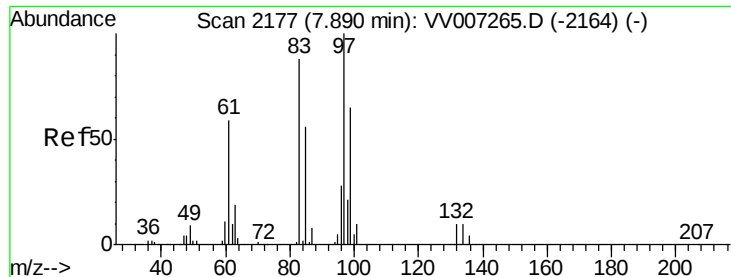
Tgt Ion: 75 Resp: 140678

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5

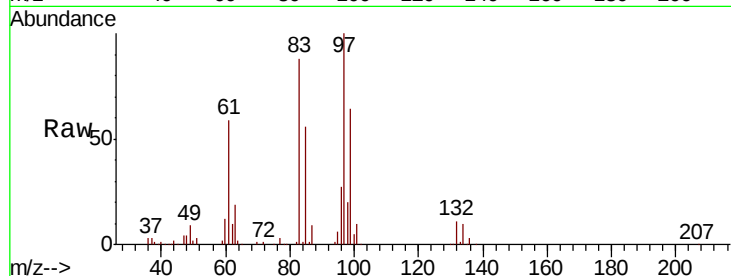




#45
 1,1,2-Trichloroethane
 Concen: 5.294 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007271.D
 Acq: 30 Aug 2018 18:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	87463
Ion	Ratio	Lower	Upper
97	100		
99	63.6	45.6	84.6
83	87.9	61.4	114.0
85	56.3	39.4	73.2



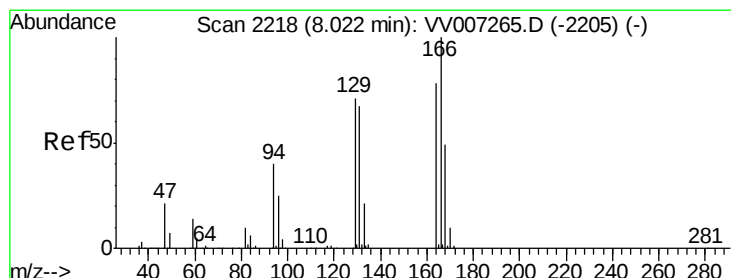
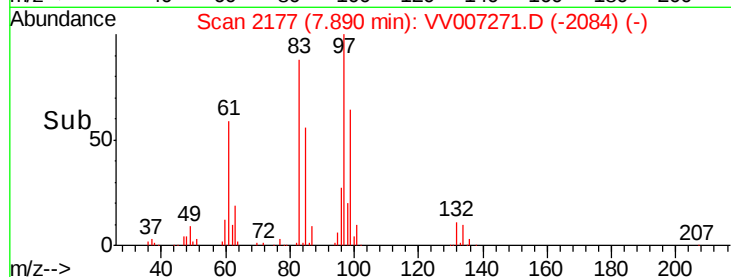
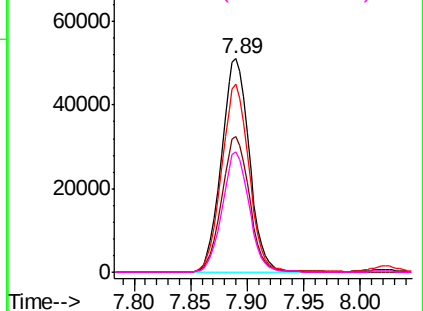
Abundance

Ion 96.95 (96.65 to 97.65): VV007271.D (-2164) (-)

Ion 99.05 (98.75 to 99.75): VV007271.D (-2164) (-)

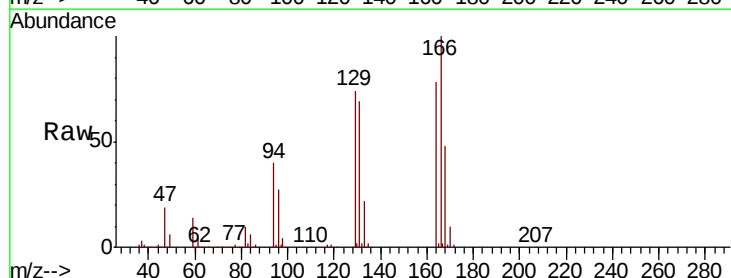
Ion 82.95 (82.65 to 83.65): VV007271.D (-2164) (-)

Ion 85.00 (84.70 to 85.70): VV007271.D (-2164) (-)



#47
 Tetrachloroethene
 Concen: 5.265 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007271.D
 Acq: 30 Aug 2018 18:58

Tgt Ion:	164	Resp:	108671
Ion	Ratio	Lower	Upper
164	100		
129	94.4	63.8	118.4
131	88.9	60.3	112.1
166	128.3	89.5	166.1



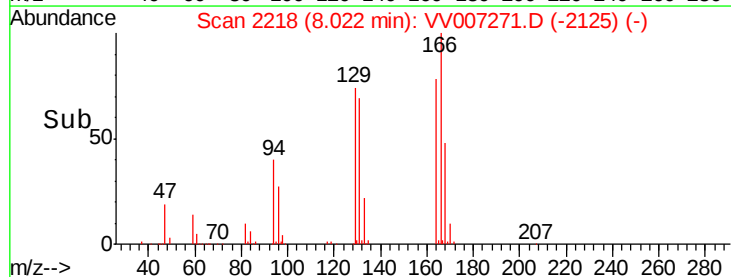
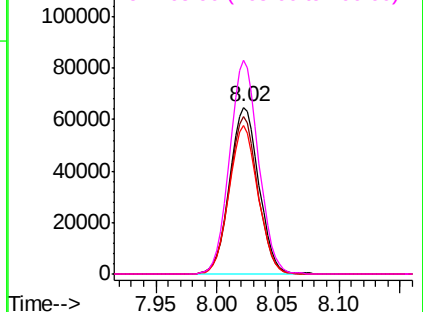
Abundance

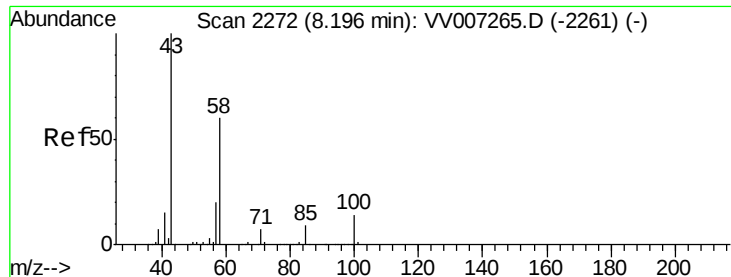
Ion 163.90 (163.60 to 164.60): VV007271.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VV007271.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VV007271.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VV007271.D (-2205) (-)

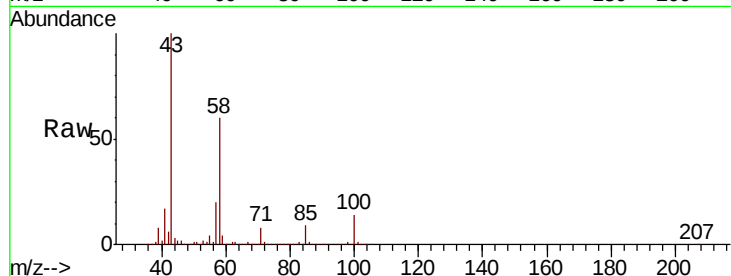




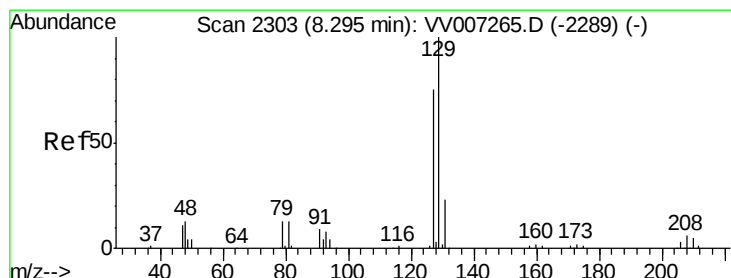
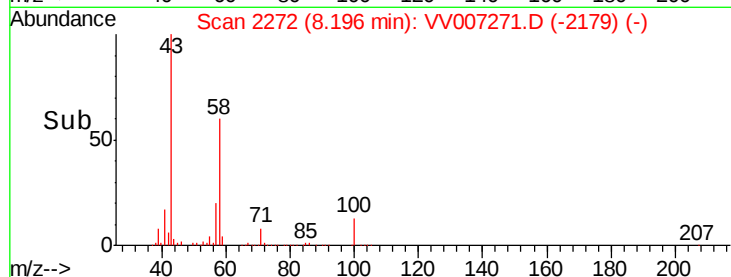
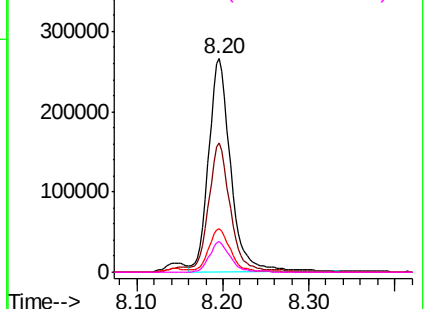
#48
2-Hexanone
Concen: 58.599 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	477753
Ion	Ratio	Lower	Upper
43	100		
58	59.3	46.6	69.8
57	19.8	15.4	23.0
100	13.5	10.4	15.6

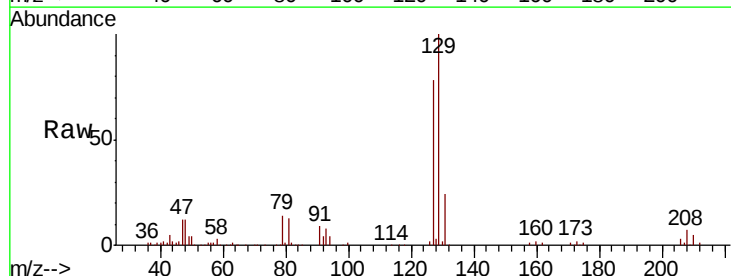


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

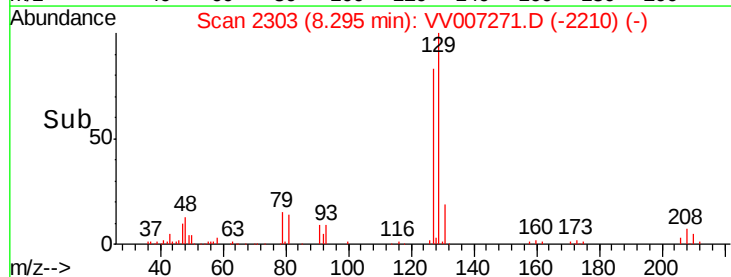
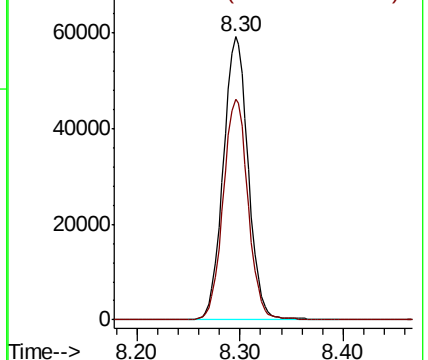


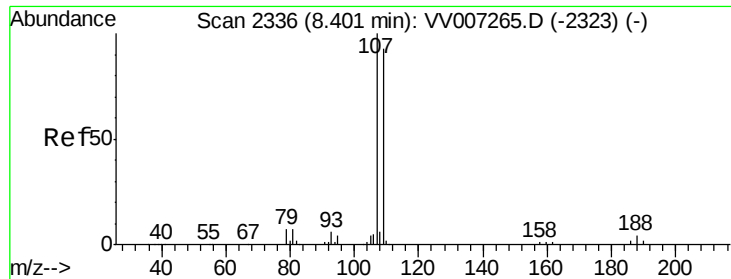
#49
Dibromochloromethane
Concen: 5.236 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

Tgt Ion:	129	Resp:	99591
Ion	Ratio	Lower	Upper
129	100		
127	77.8	52.1	96.9



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

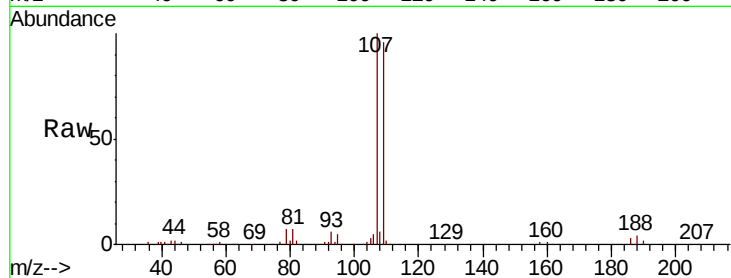




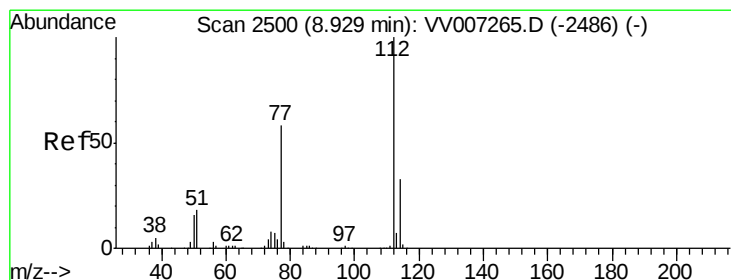
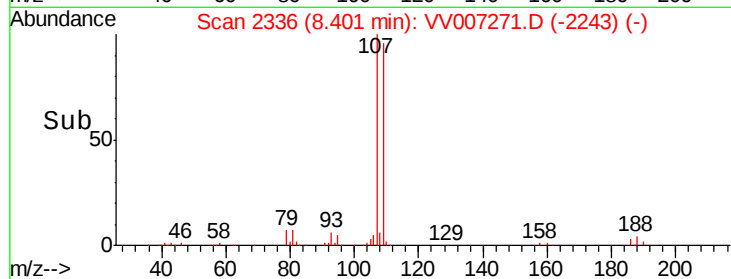
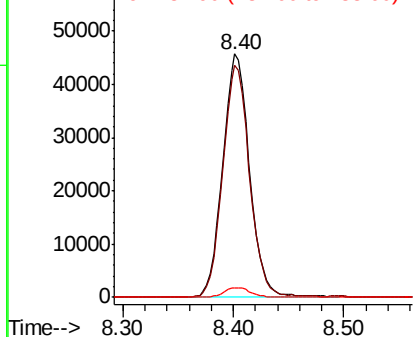
#50
1,2-Dibromoethane
Concen: 5.284 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 77266
Ion Ratio Lower Upper
107 100
109 95.6 65.5 121.6
188 4.0 3.0 4.6

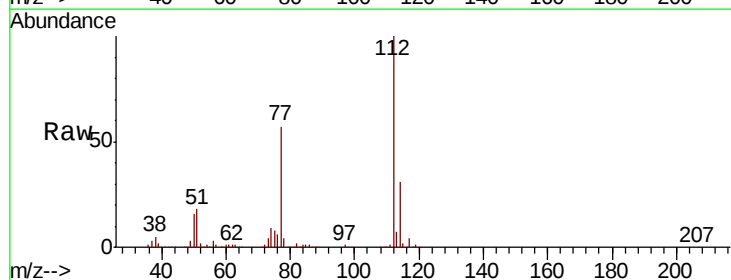


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

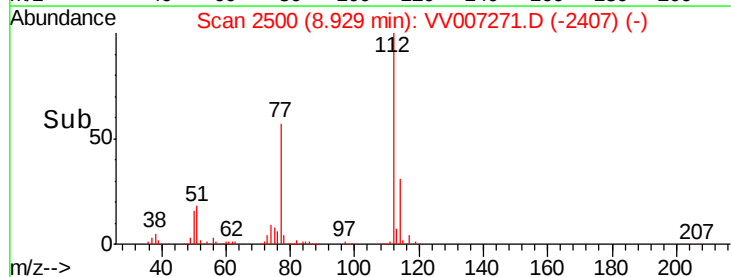
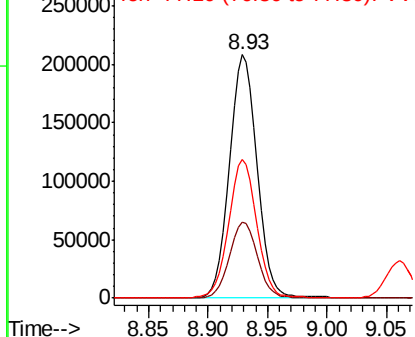


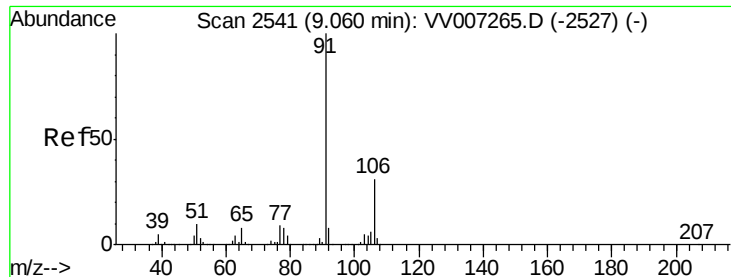
#51
Chlorobenzene
Concen: 5.291 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007271.D
Acq: 30 Aug 2018 18:58

Tgt Ion:112 Resp: 335900
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.3
77 57.1 46.7 70.1



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: 5.370 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

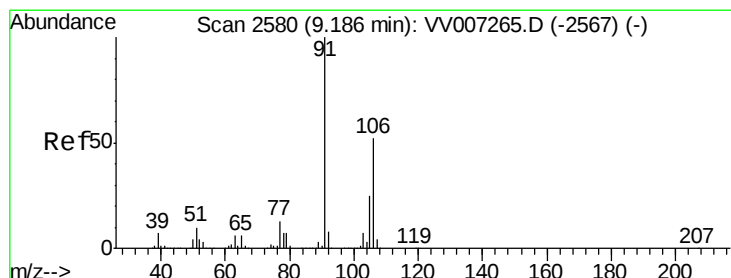
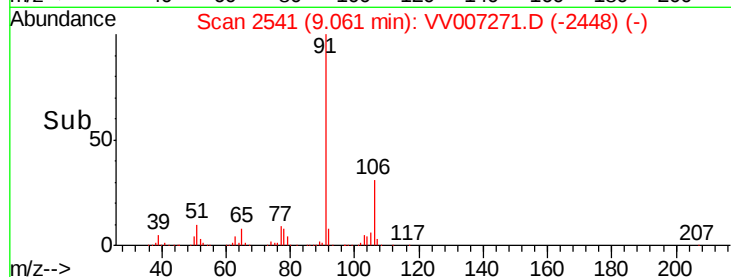
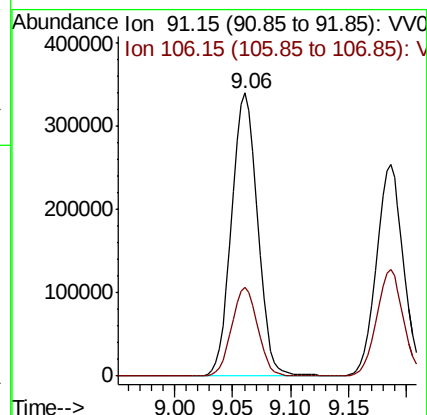
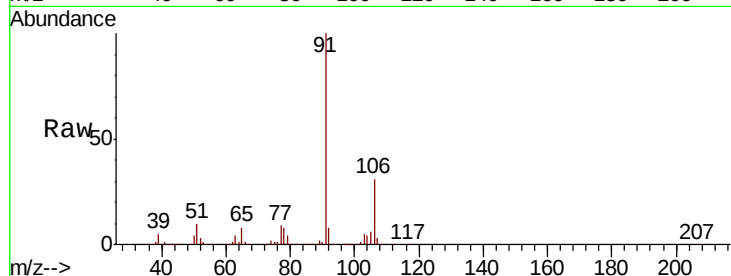
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 526210

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.2



#53

m,p-xylene

Concen: 5.436 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007271.D

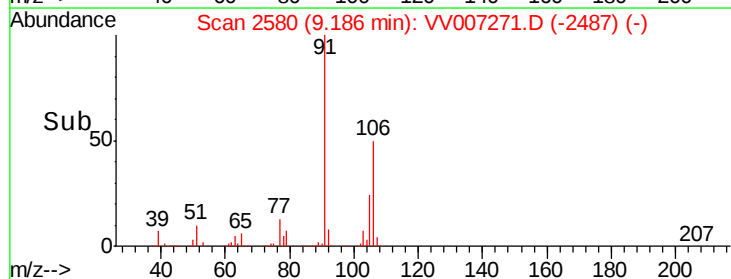
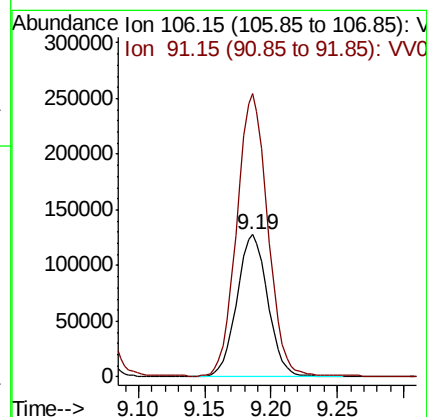
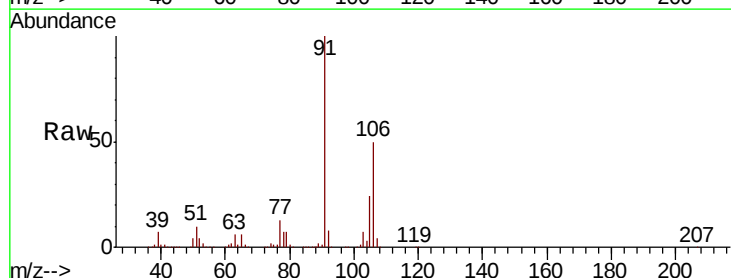
Acq: 30 Aug 2018 18:58

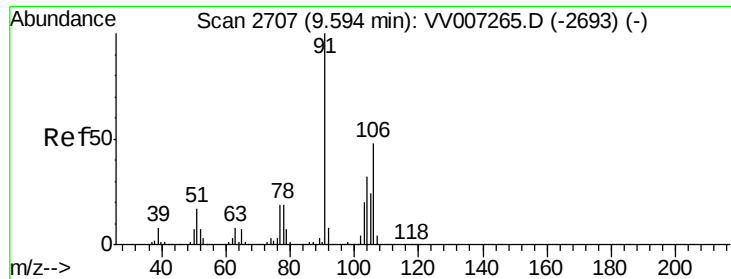
Tgt Ion: 106 Resp: 206039

Ion Ratio Lower Upper

106 100

91 199.0 135.9 252.3





#54

o-xylene

Concen: 5.408 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

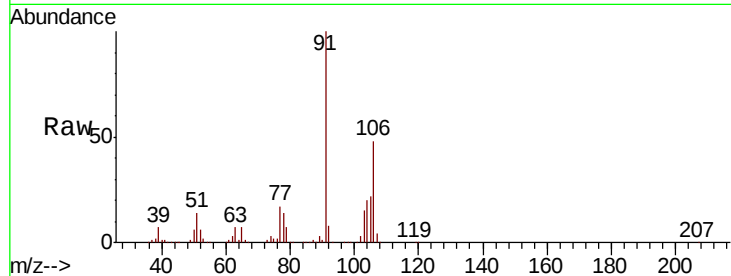
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 190824

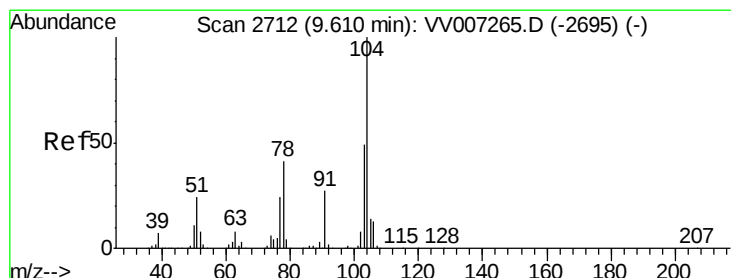
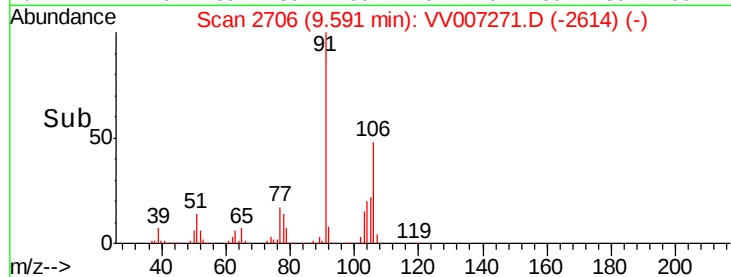
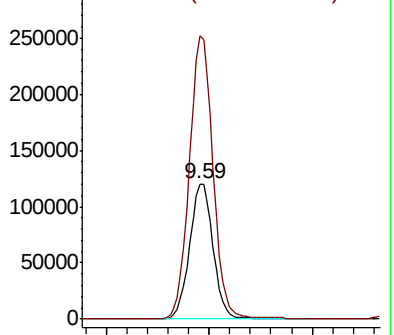
Ion Ratio Lower Upper

106 100

91 209.3 146.2 271.4



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



#55

Styrene

Concen: 5.707 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007271.D

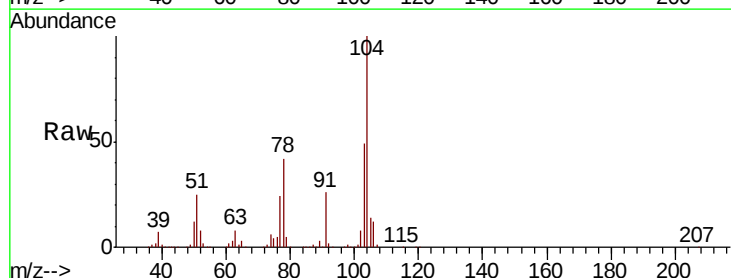
Acq: 30 Aug 2018 18:58

Tgt Ion:104 Resp: 350392

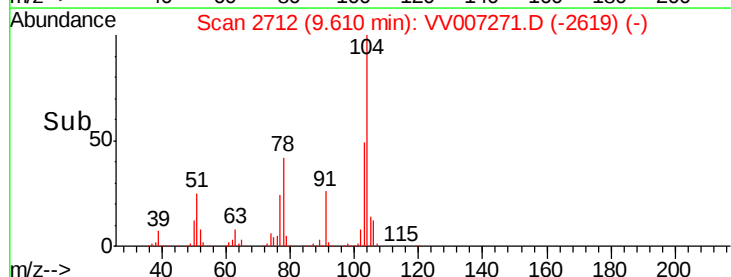
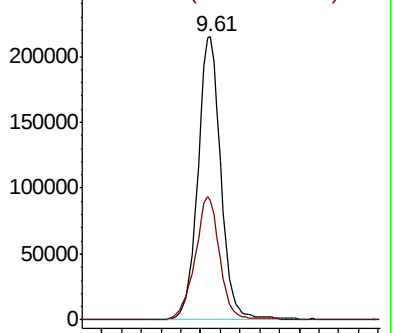
Ion Ratio Lower Upper

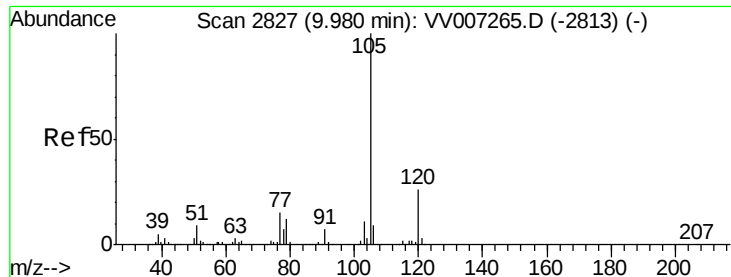
104 100

78 42.2 28.8 53.4



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





#56

Isopropylbenzene

Concen: 5.529 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

Instrument :

MSVOA_V

ClientSampleId :

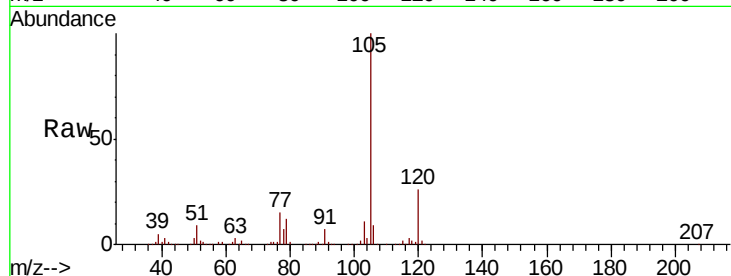
Tot Ion:105 Resp: 504537

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

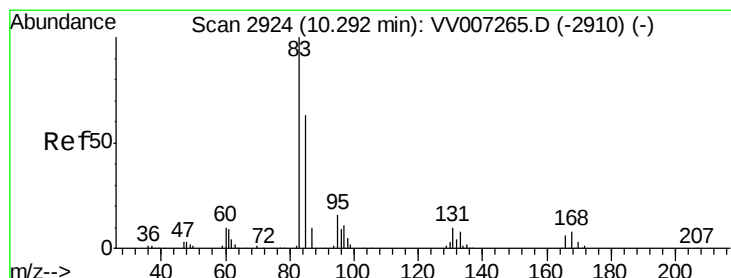
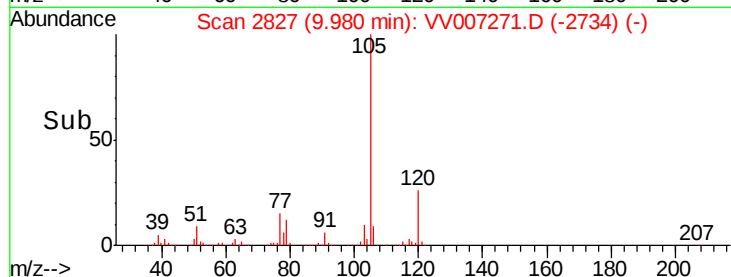
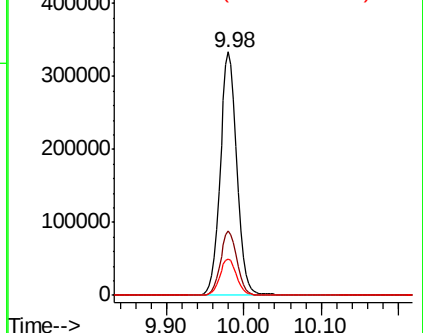
77 15.4 12.2 18.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.243 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

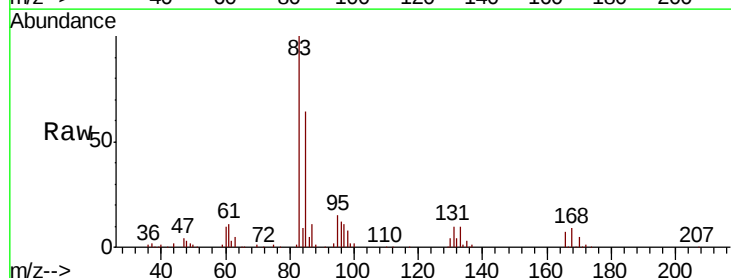
Tgt Ion: 83 Resp: 102805

Ion Ratio Lower Upper

83 100

85 63.6 44.1 81.9

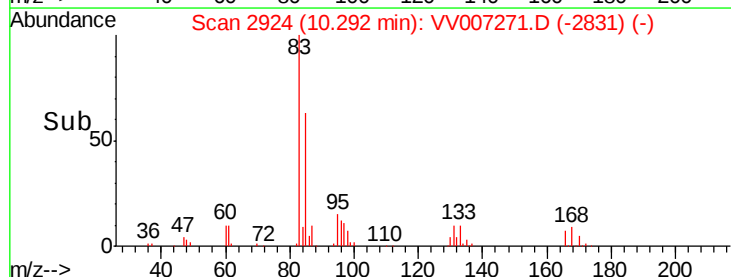
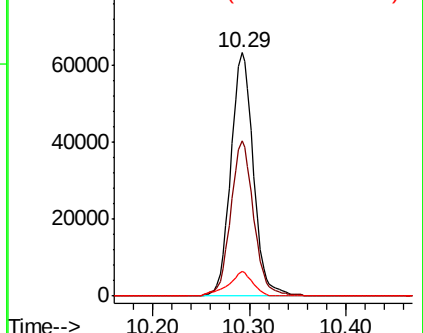
131 10.0 7.8 11.8

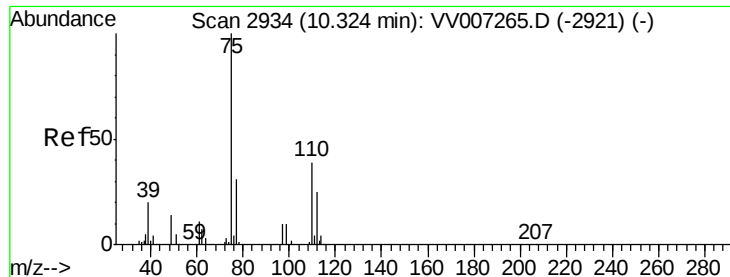


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.242 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

Instrument :

MSVOA_V

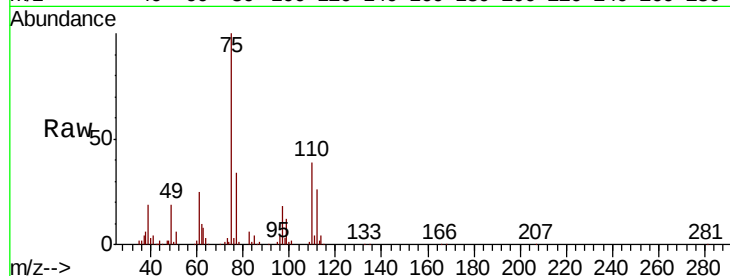
ClientSampled :

Tot Ion: 75 Resp: 71810

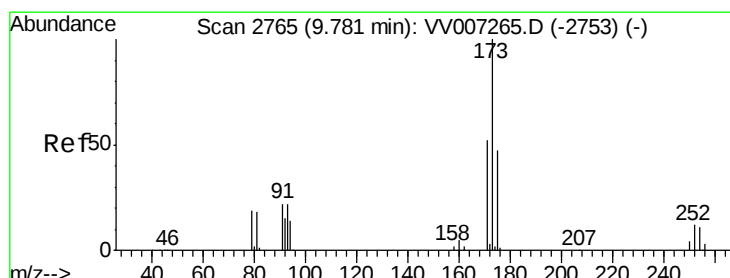
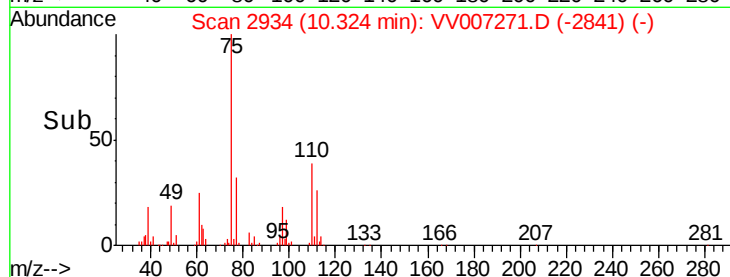
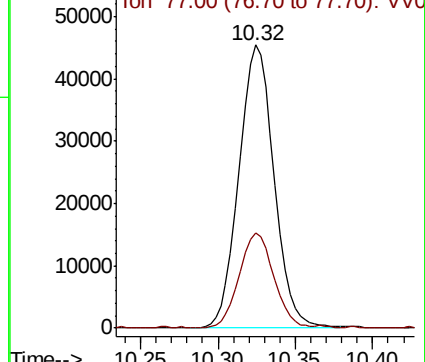
Ion Ratio Lower Upper

75 100

77 32.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV007265.D (-2921) (-)



#61

Bromoform

Concen: 5.096 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

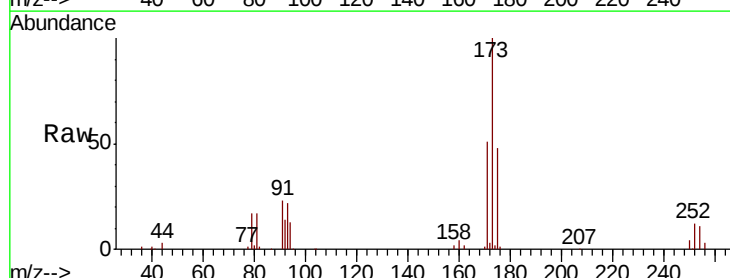
Tgt Ion: 173 Resp: 53665

Ion Ratio Lower Upper

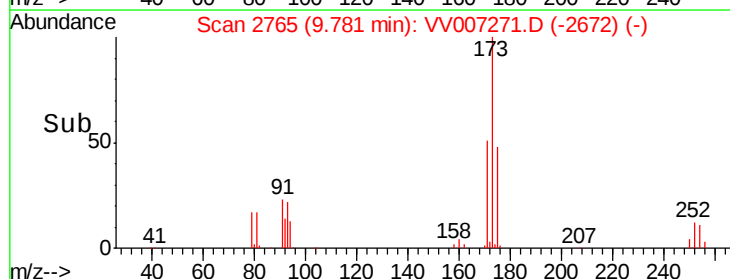
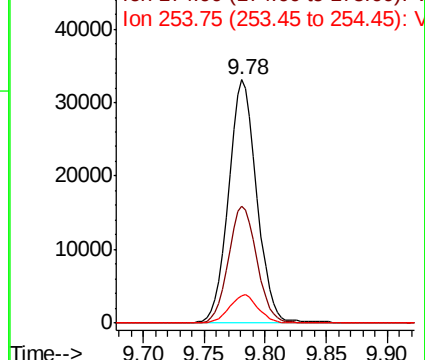
173 100

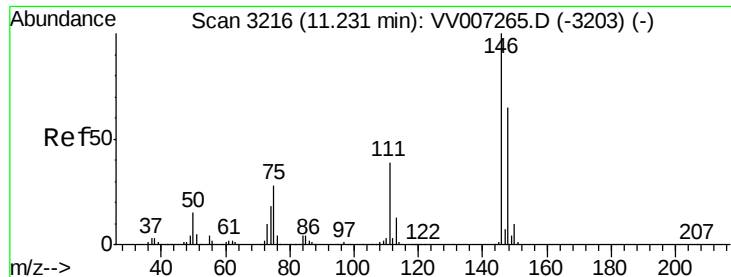
175 48.4 38.8 58.2

254 11.7 9.0 13.6



Abundance Ion 172.90 (172.60 to 173.60): VV007265.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 5.355 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

Instrument :

MSVOA_V

ClientSampleId :

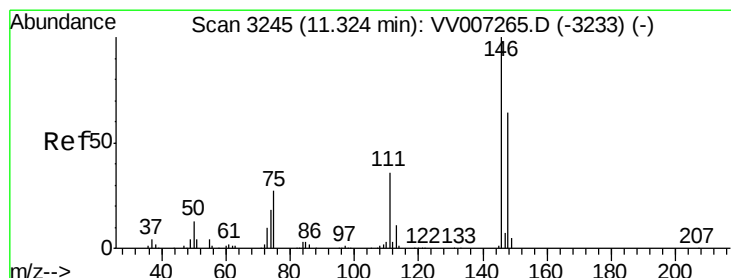
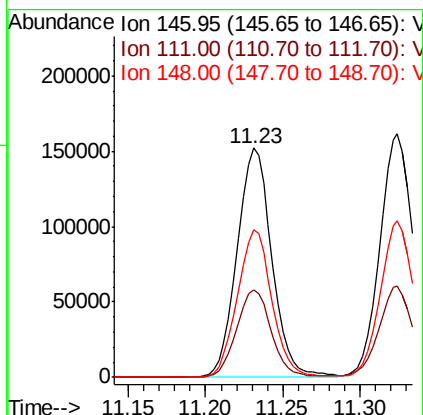
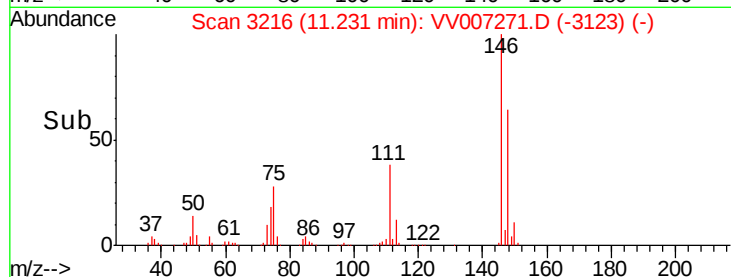
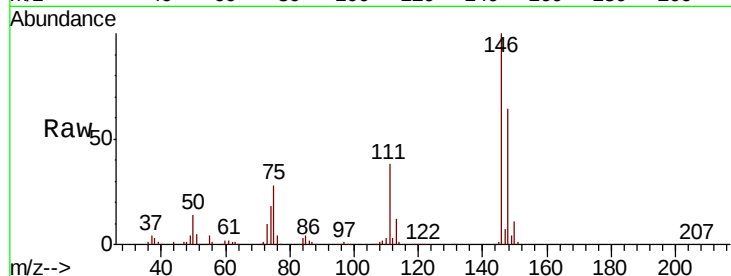
Tot Ion:146 Resp: 237897

Ion Ratio Lower Upper

146 100

111 38.4 27.6 51.2

148 64.2 45.3 84.1



#63

1,4-Dichlorobenzene

Concen: 5.409 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

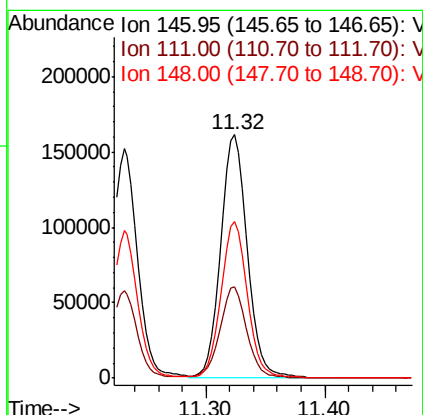
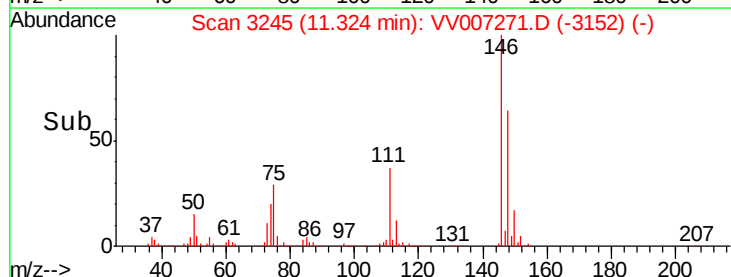
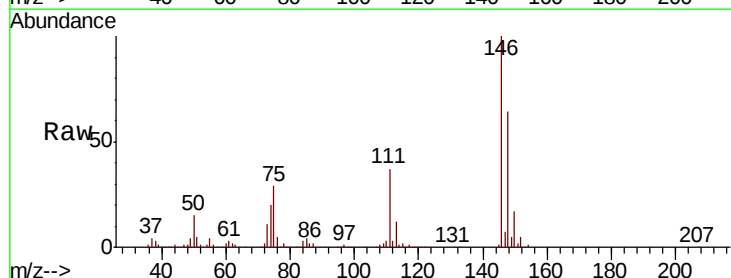
Tgt Ion:146 Resp: 251416

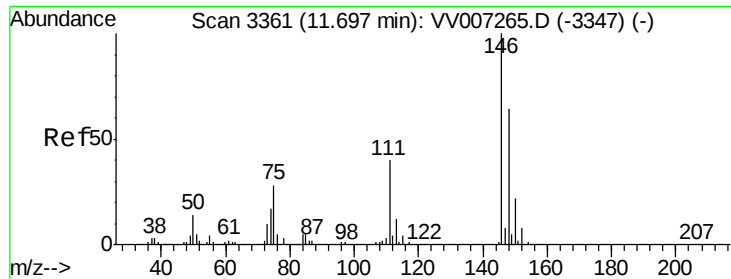
Ion Ratio Lower Upper

146 100

111 37.5 25.6 47.6

148 64.4 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 5.441 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

Instrument :

MSVOA_V

ClientSampled :

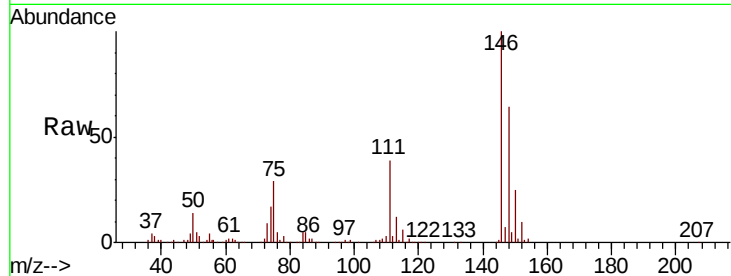
Tot Ion:146 Resp: 237249

Ion Ratio Lower Upper

146 100

111 39.4 32.1 48.1

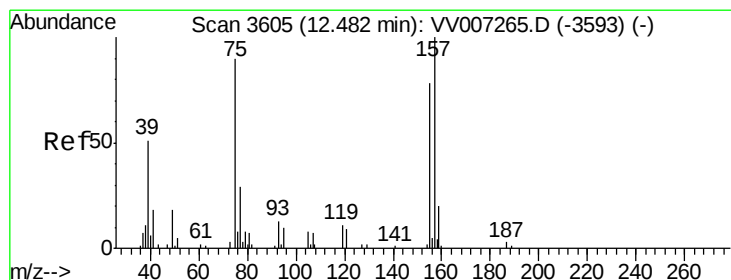
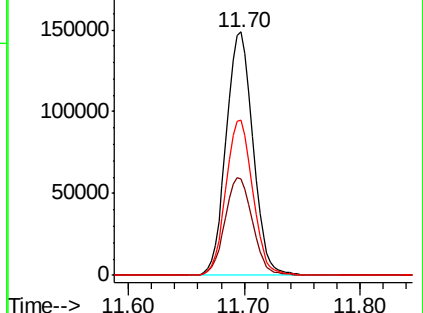
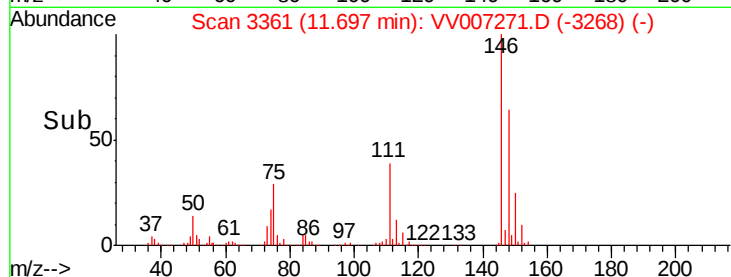
148 63.6 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.236 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

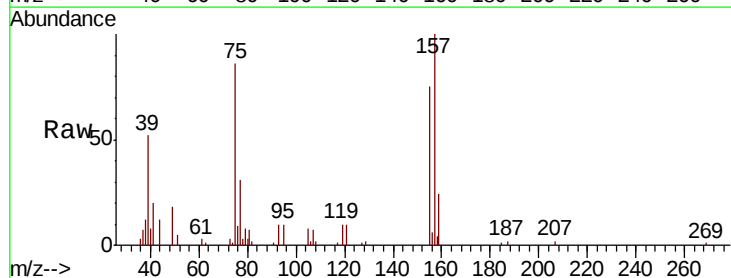
Tgt Ion: 75 Resp: 14316

Ion Ratio Lower Upper

75 100

155 87.5 69.5 104.3

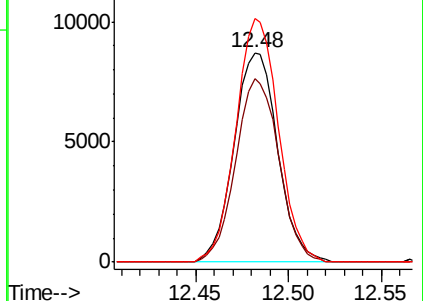
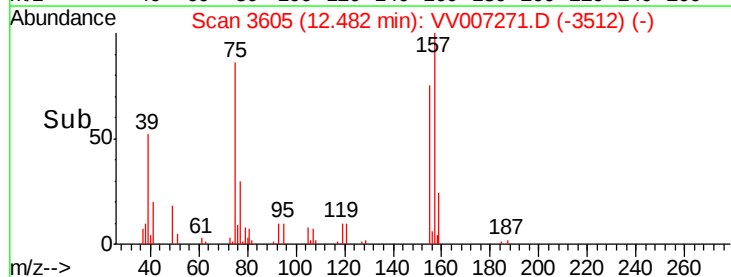
157 116.2 89.1 133.7

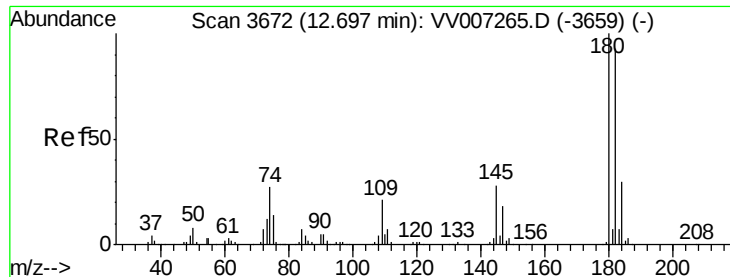


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

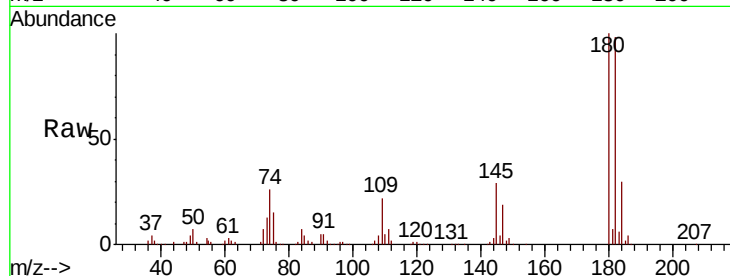




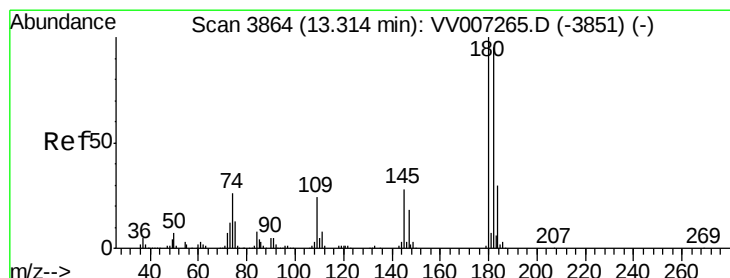
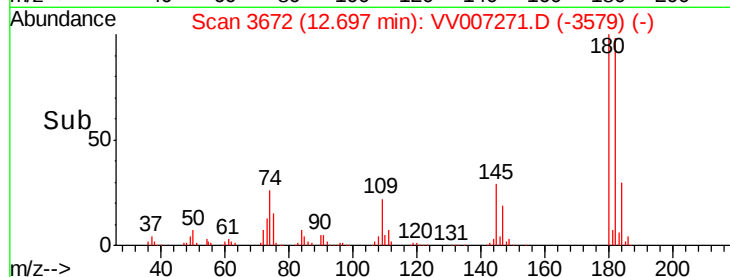
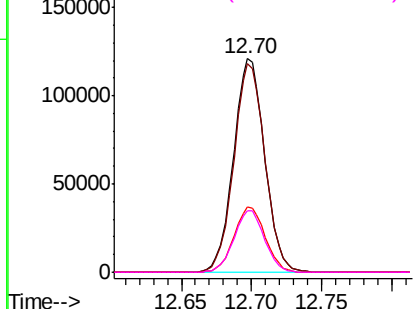
#67
 1,3,5-Trichlorobenzene
 Concen: 5.223 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007271.D
 Acq: 30 Aug 2018 18:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	186970
Ion Ratio	Lower	Upper
180	100	
182	97.3	75.2 112.8
184	30.5	23.8 35.6
145	28.5	22.2 33.4

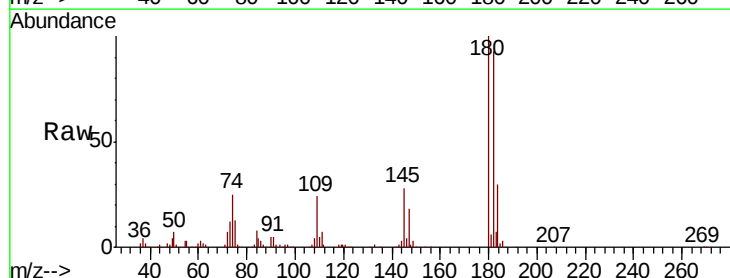


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

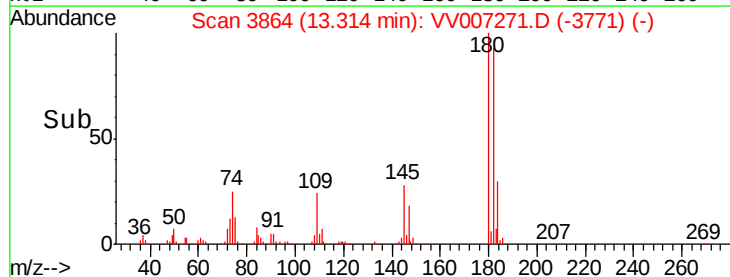
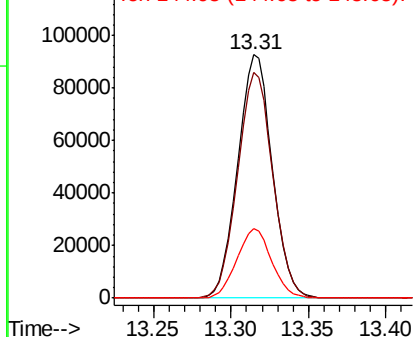


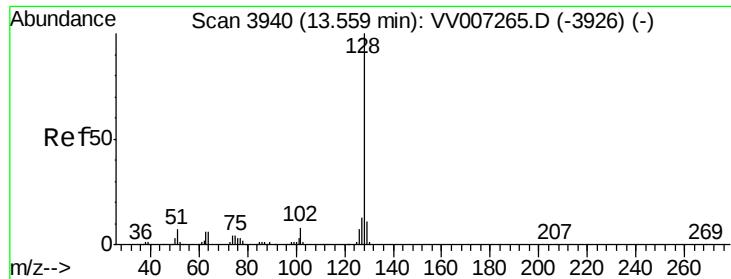
#68
 1,2,4-trichlorobenzene
 Concen: 5.114 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007271.D
 Acq: 30 Aug 2018 18:58

Tgt Ion:180	Resp:	143568
Ion Ratio	Lower	Upper
180	100	
182	94.4	76.3 114.5
145	28.7	22.4 33.6



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: 5.007 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

Instrument :

MSVOA_V

ClientSampleId :

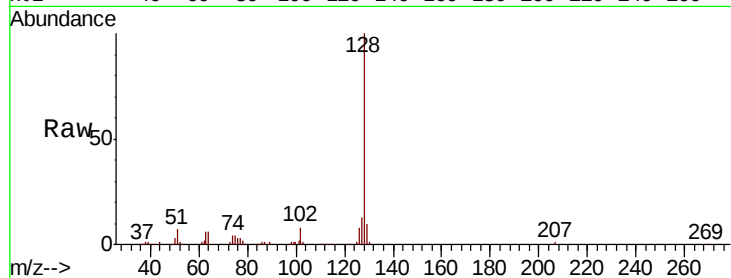
Tot Ion:128 Resp: 197117

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

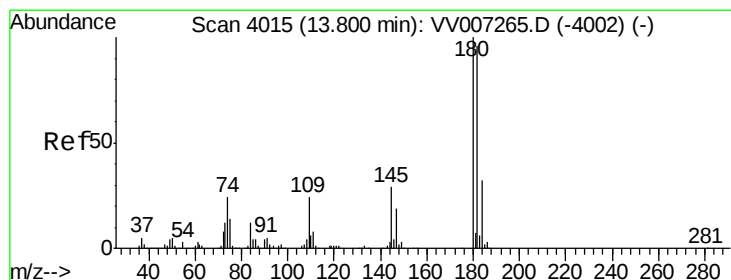
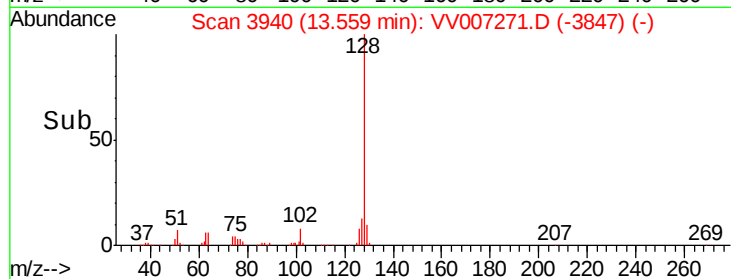
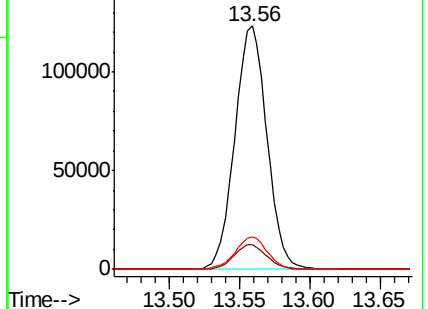
127 13.3 10.6 16.0



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: 5.208 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007271.D

Acq: 30 Aug 2018 18:58

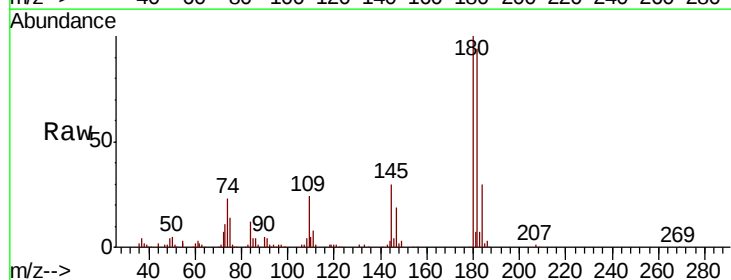
Tgt Ion:180 Resp: 137783

Ion Ratio Lower Upper

180 100

182 95.6 76.6 114.8

145 30.3 24.8 37.2



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

