

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091418\
 Data File : VV007540.D
 Acq On : 14 Sep 2018 22:27
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

Quant Time: Sep 15 02:04:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 15 01:20:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	118008	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	107105	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	53010	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31218	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.59	69	28596	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.60%
11) 1,1-Dichloroethene-d2	2.14	63	69131	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.80%
20) 2-Butanone-d5	3.97	46	42640	49.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.18%
24) Chloroform-d	4.41	84	68121	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.09	65	33167	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.10	84	130872	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
36) 1,2-Dichloropropane-d6	6.12	67	38629	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.36	98	134261	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	7.67	79	16459	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.15	63	35095	65.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.18%#
57) 1,1,2,2-Tetrachloroethane-	10.27	84	27132	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	55061	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	32704	5.120	ug/L 100
3) Chloromethane	1.25	50	28210	5.081	ug/L 96
5) Vinyl chloride	1.32	62	33011	5.325	ug/L 96
6) Bromomethane	1.54	94	23430	5.296	ug/L 97
8) Chloroethane	1.60	64	21527	5.698	ug/L 94
9) Trichlorofluoromethane	1.77	101	67467	5.518	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	37142	5.567	ug/L 99
12) 1,1-Dichloroethene	2.14	96	32964	5.504	ug/L 94
13) Acetone	2.21	43	21914	39.024	ug/L 98
14) Carbon disulfide	2.32	76	93099	5.313	ug/L 99
15) Methyl Acetate	2.47	43	8206	5.332	ug/L 89
16) Methylene chloride	2.54	84	32454	5.013	ug/L 98
17) Methyl tert-butyl Ether	2.82	73	74334	5.159	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	35545	5.455	ug/L 98
19) 1,1-Dichloroethane	3.23	63	48627	5.119	ug/L 99
21) 2-Butanone	4.06	43	41703	44.270	ug/L 91
22) cis-1,2-Dichloroethene	3.96	96	33215	5.172	ug/L 93

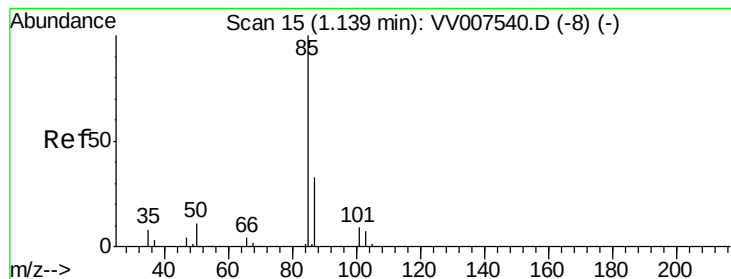
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091418\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	15063	5.350	ug/L	95
25) Chloroform	4.43	83	55968	5.155	ug/L	98
27) 1,2-Dichloroethane	5.19	62	31341	5.014	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	52986	5.087	ug/L	99
30) Cyclohexane	4.73	56	44889	4.942	ug/L	99
31) Carbon tetrachloride	4.88	117	49438	5.058	ug/L	100
33) Benzene	5.15	78	117406	5.308	ug/L	100
34) Trichloroethene	5.96	95	36268	5.347	ug/L	98
35) Methylcyclohexane	6.18	83	53483	5.105	ug/L	99
37) 1,2-Dichloropropane	6.23	63	26960	4.947	ug/L	99
38) Bromodichloromethane	6.56	83	39061	4.942	ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	43724	5.046	ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	157895	52.473	ug/L	99
42) Toluene	7.43	91	131948	5.164	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	33949	4.763	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	21095	5.183	ug/L	97
47) Tetrachloroethene	8.02	164	31740	5.211	ug/L	98
48) 2-Hexanone	8.20	43	113851	49.836	ug/L	96
49) Dibromochloromethane	8.30	129	29228	5.046	ug/L	98
50) 1,2-Dibromoethane	8.40	107	20704	5.239	ug/L	98
51) Chlorobenzene	8.93	112	88190	5.132	ug/L	98
52) Ethylbenzene	9.06	91	144762	5.030	ug/L	98
53) m,p-xylene	9.19	106	56985	5.110	ug/L	98
54) o-xylene	9.59	106	56344	5.160	ug/L	99
55) Styrene	9.61	104	91663	5.153	ug/L	98
56) Isopropylbenzene	9.98	105	152945	5.159	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	20539	5.152	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	17670	5.302	ug/L	98
61) Bromoform	9.78	173	17087	5.430	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	73020	5.452	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	70790	5.286	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	69415	5.569	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	3380	5.271	ug/L	87
67) 1,3,5-Trichlorobenzene	12.70	180	55290	5.290	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	39055	5.189	ug/L	99
69) Naphthalene	13.56	128	53407	5.861	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	36267	5.284	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.120 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

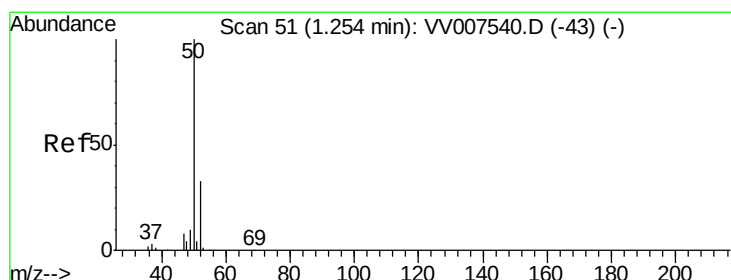
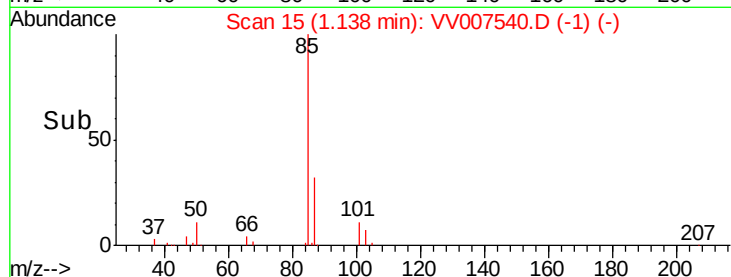
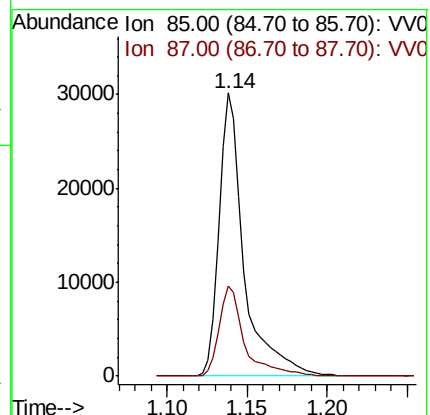
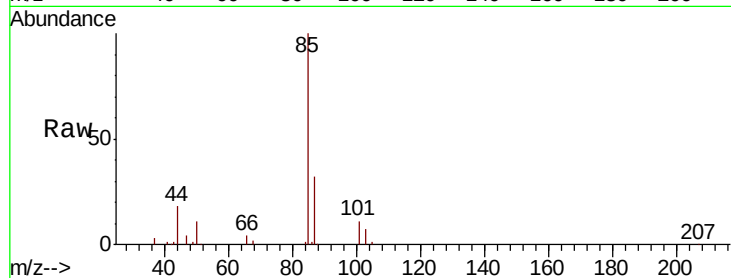
BFB72

Tgt Ion: 85 Resp: 32704

Ion Ratio Lower Upper

85 100

87 32.0 25.8 38.6



#3

Chloromethane

Concen: 5.081 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007540.D

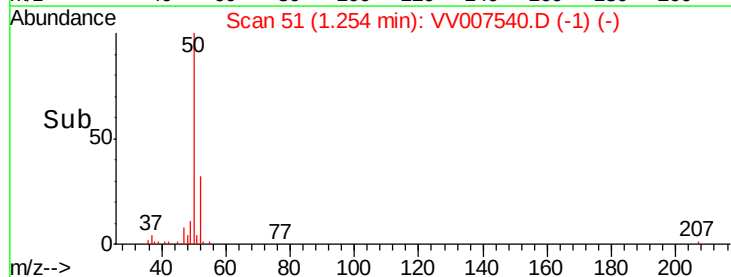
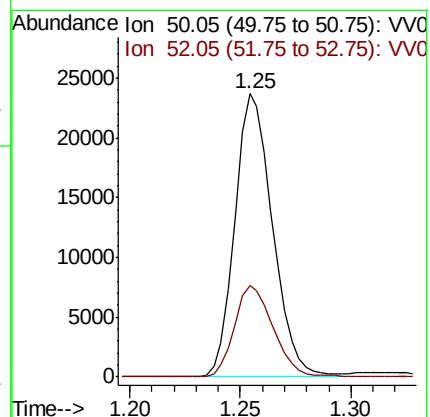
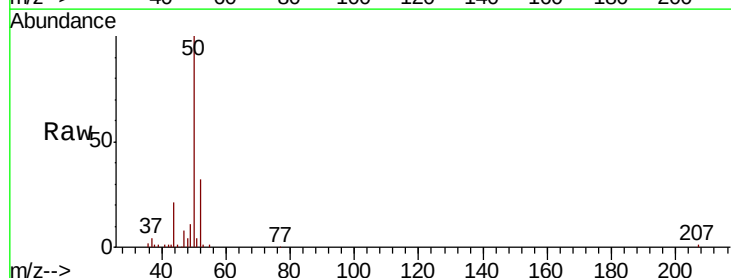
Acq: 14 Sep 2018 22:27

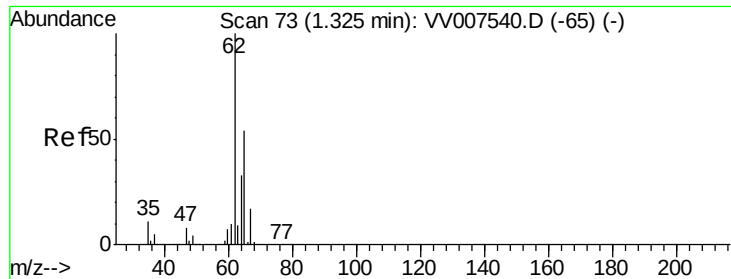
Tgt Ion: 50 Resp: 28210

Ion Ratio Lower Upper

50 100

52 32.3 24.3 45.1





#5

Vinyl chloride

Concen: 5.325 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

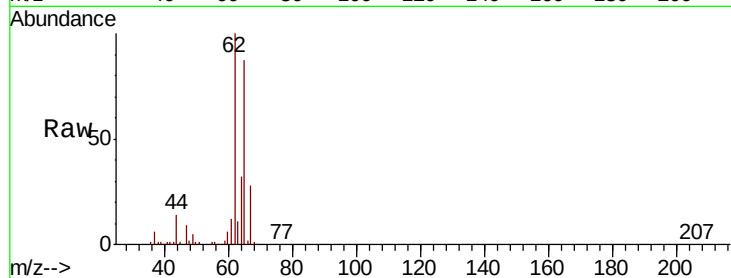
BFB72

Tgt Ion: 62 Resp: 33011

Ion Ratio Lower Upper

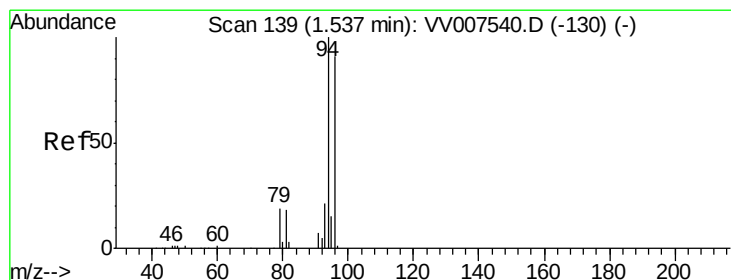
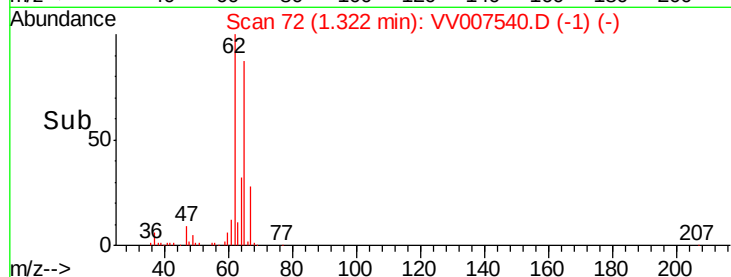
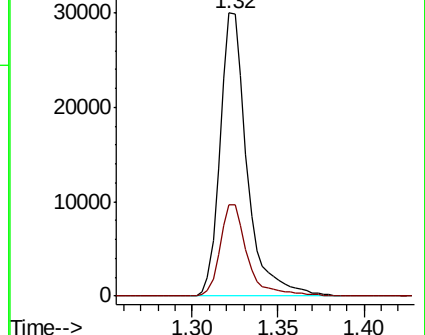
62 100

64 32.5 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VV007540.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV007540.D (-65) (-)



#6

Bromomethane

Concen: 5.296 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007540.D

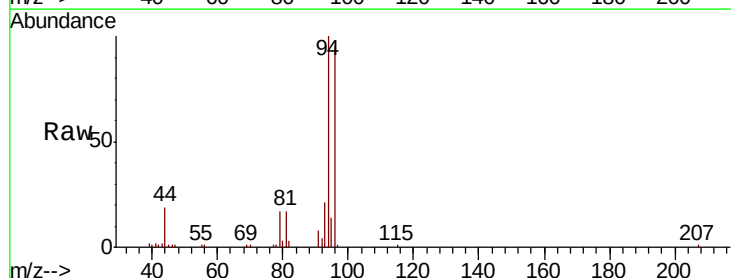
Acq: 14 Sep 2018 22:27

Tgt Ion: 94 Resp: 23430

Ion Ratio Lower Upper

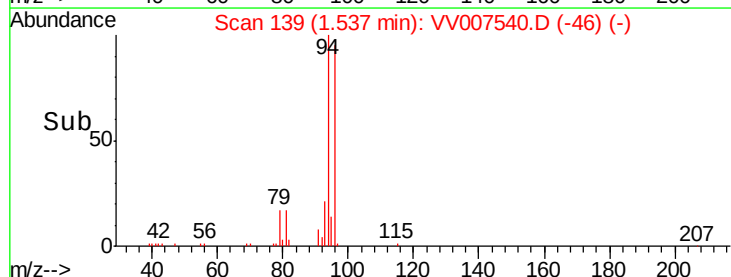
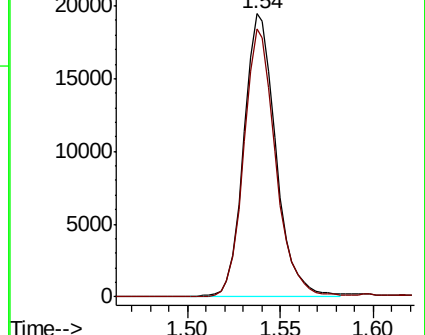
94 100

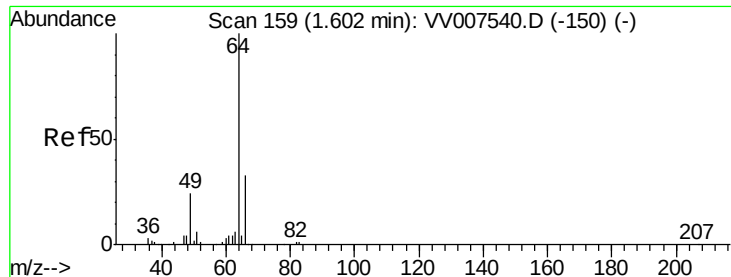
96 94.6 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV007540.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007540.D (-130) (-)

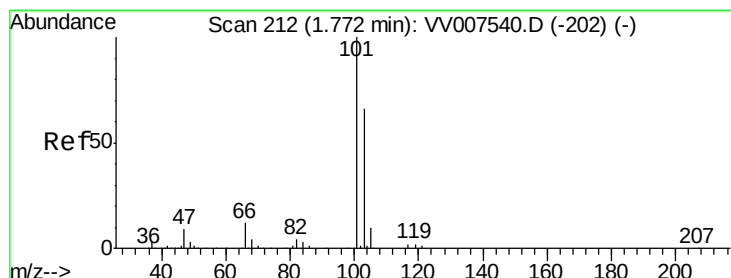
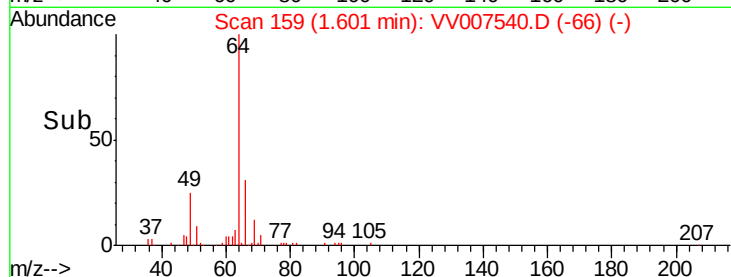
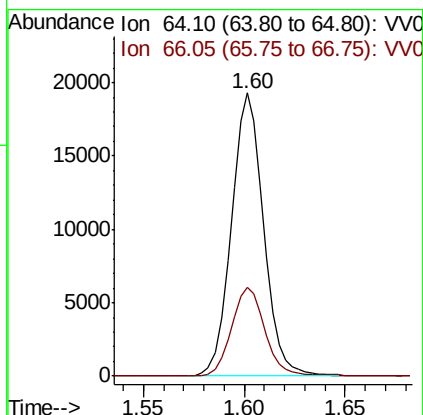
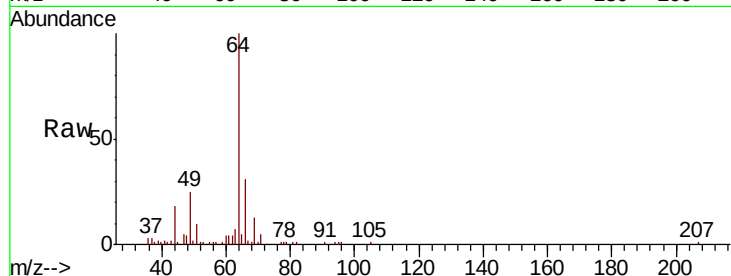




#8
Chloroethane
Concen: 5.698 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

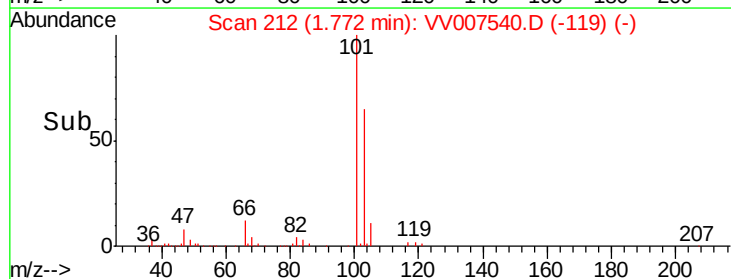
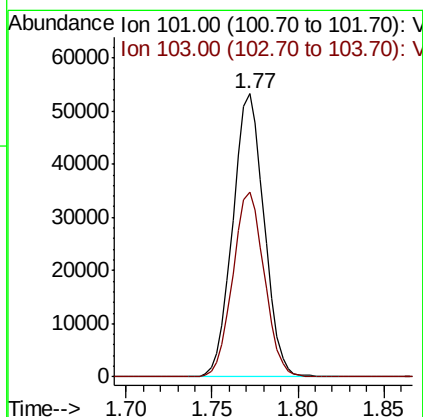
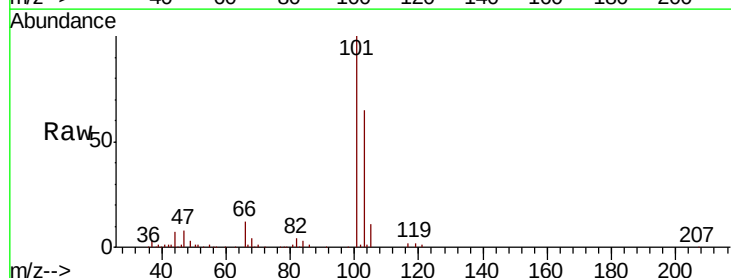
Instrument :
MSVOA_V
ClientSampled :
BFB72

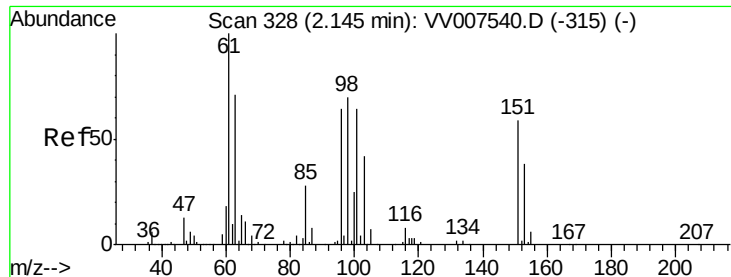
Tgt Ion: 64 Resp: 21527
Ion Ratio Lower Upper
64 100
66 31.4 24.3 45.1



#9
Trichlorofluoromethane
Concen: 5.518 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Tgt Ion: 101 Resp: 67467
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.8





#10

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

Concen: 5.567 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

BFB72

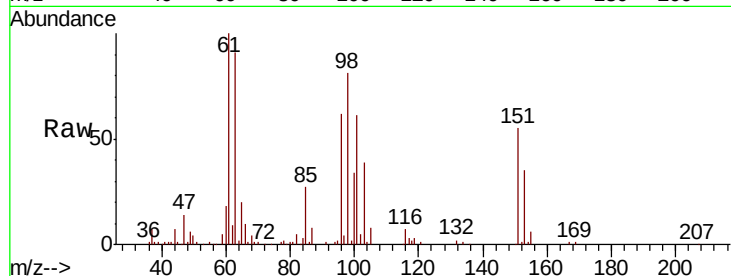
Tgt Ion: 101 Resp: 37142

Ion Ratio Lower Upper

101 100

85 43.2 34.8 52.2

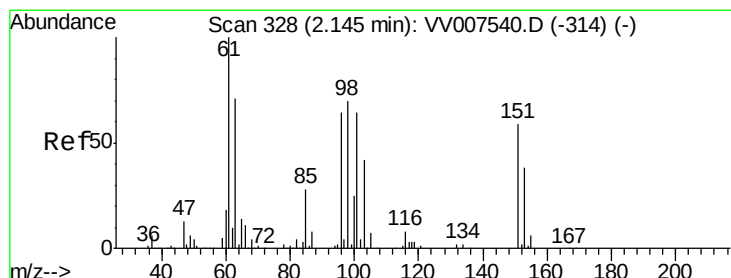
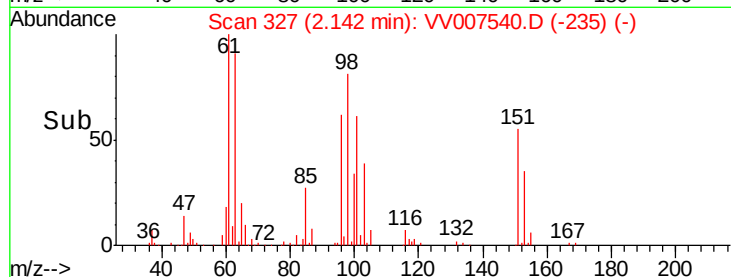
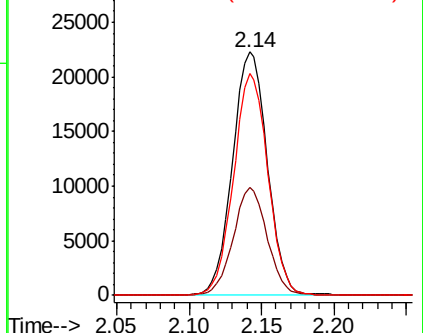
151 89.6 72.6 109.0



Abundance Ion 101.00 (100.70 to 101.70): VV007540.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV007540.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV007540.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 5.504 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

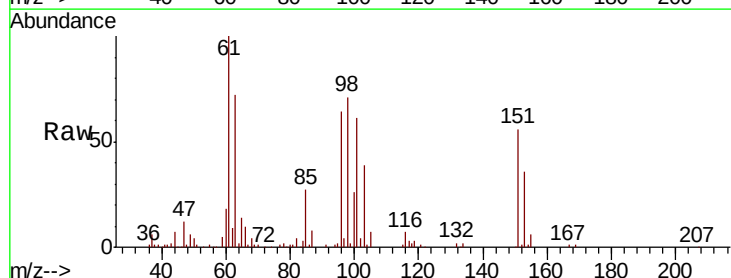
Tgt Ion: 96 Resp: 32964

Ion Ratio Lower Upper

96 100

61 155.4 114.8 213.2

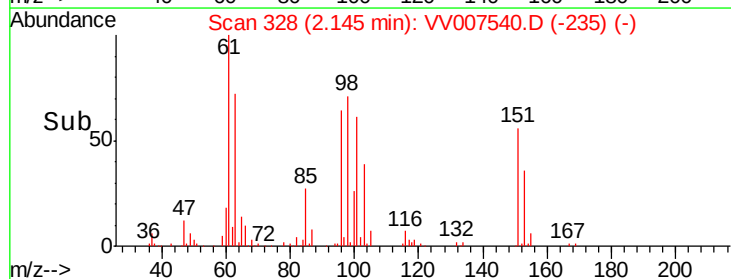
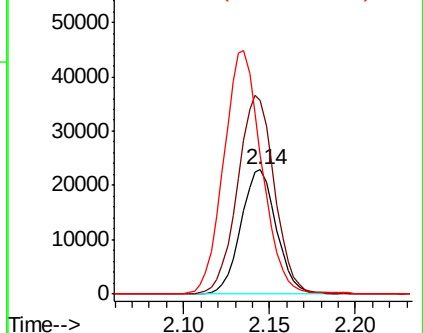
63 111.5 81.8 151.8

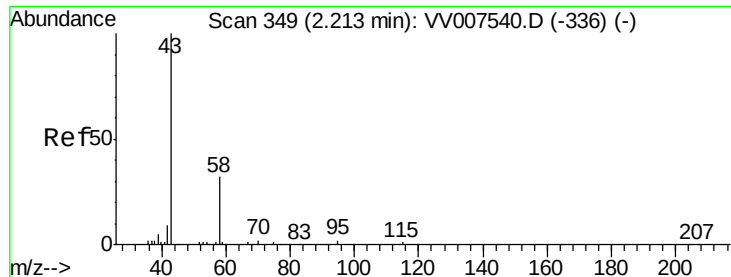


Abundance Ion 96.00 (95.70 to 96.70): VV007540.D (-314) (-)

Ion 61.05 (60.75 to 61.75): VV007540.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV007540.D (-314) (-)





#13

Acetone

Concen: 39.024 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

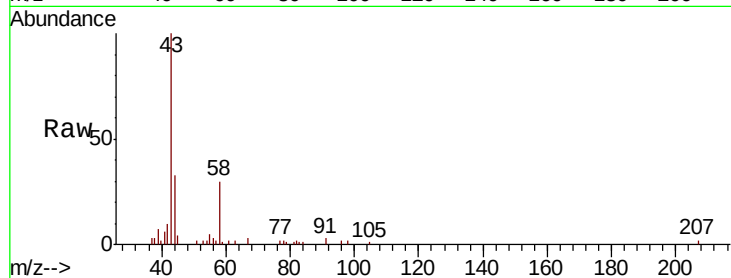
BFB72

Tgt Ion: 43 Resp: 21914

Ion Ratio Lower Upper

43 100

58 33.1 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VV007540.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV007540.D (-336) (-)

2.21

8000

6000

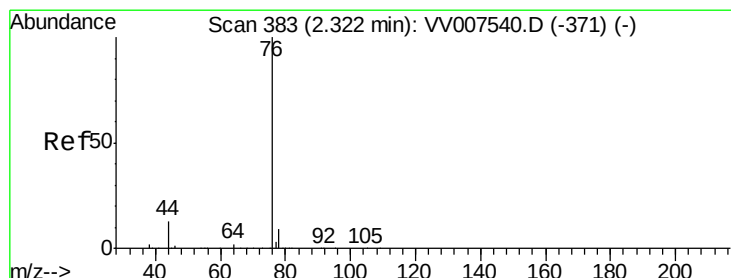
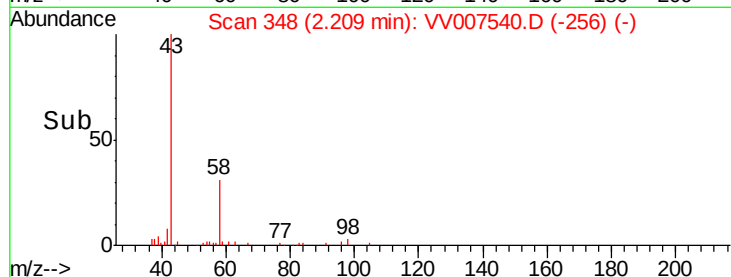
4000

2000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 5.313 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007540.D

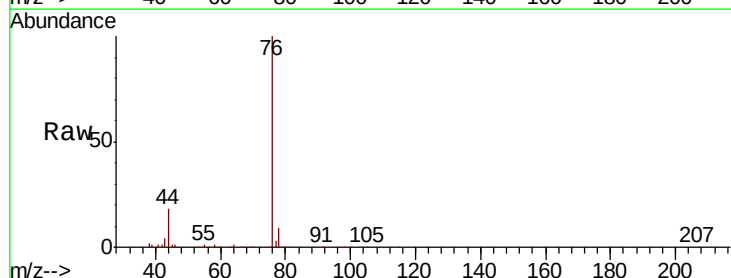
Acq: 14 Sep 2018 22:27

Tgt Ion: 76 Resp: 93099

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007540.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV007540.D (-371) (-)

2.32

60000

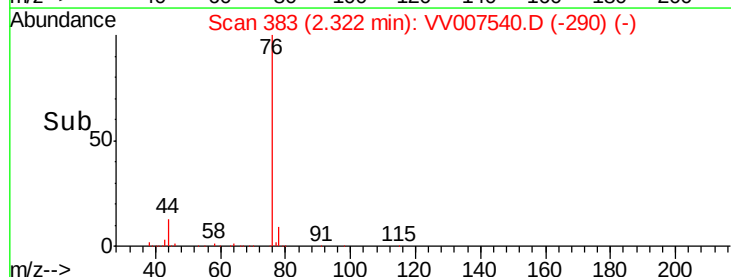
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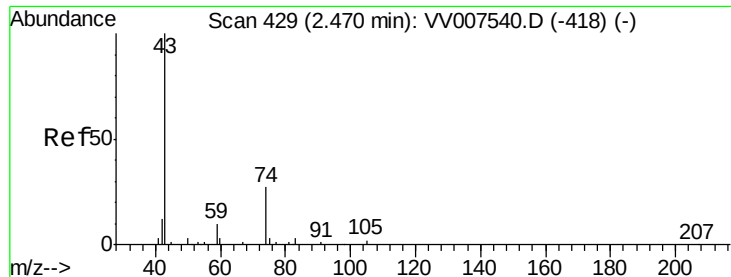
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Time-->

2.25 2.30 2.35 2.40

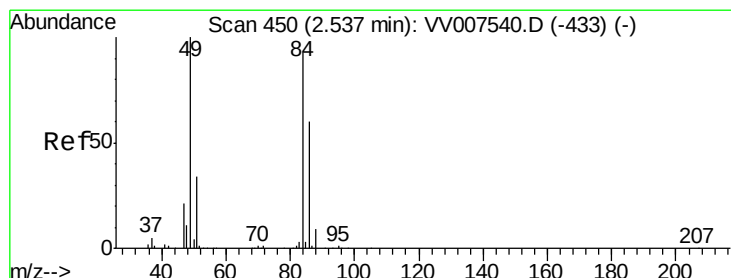
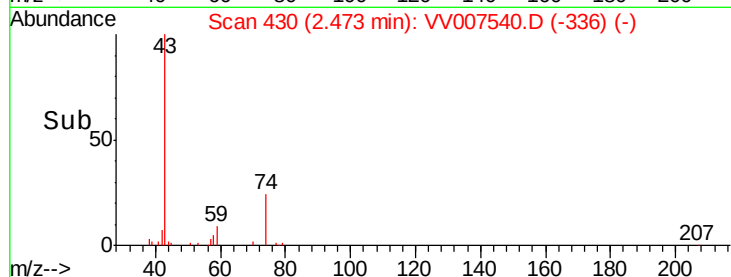
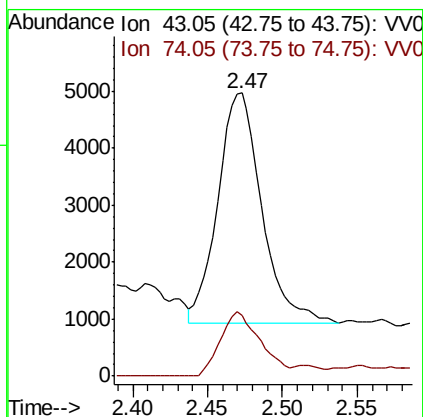
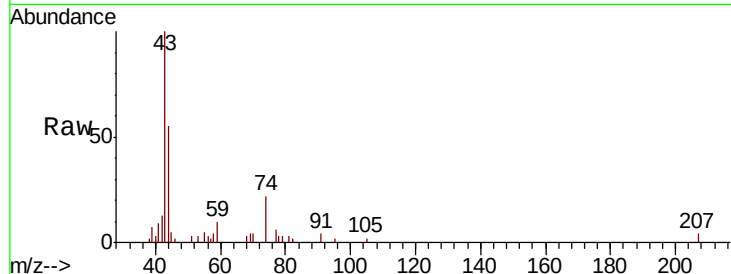




#15
Methyl Acetate
Concen: 5.332 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

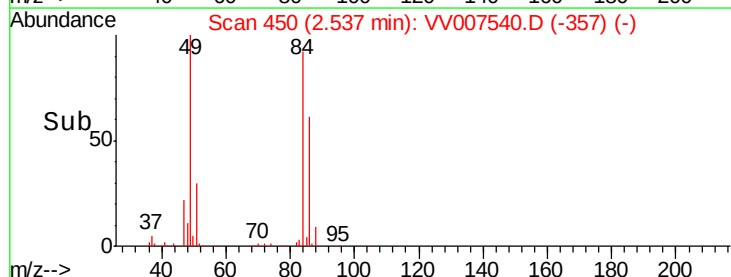
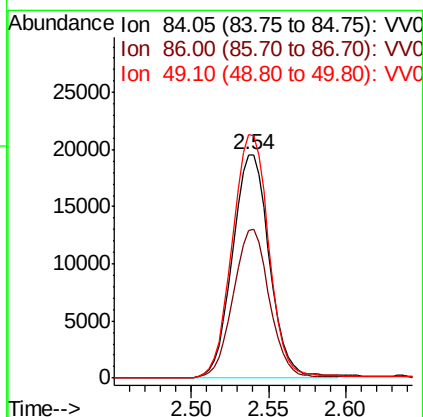
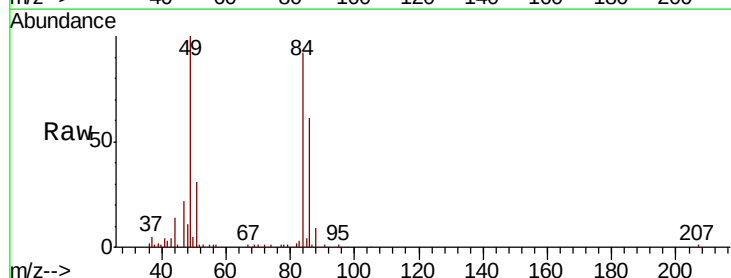
Instrument :
MSVOA_V
ClientSampled :
BFB72

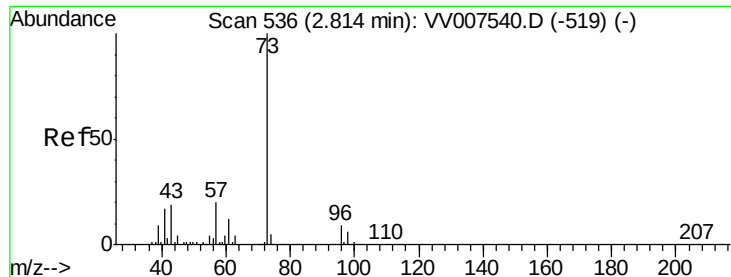
Tgt Ion: 43 Resp: 8206
Ion Ratio Lower Upper
43 100
74 25.7 25.4 38.2



#16
Methylene chloride
Concen: 5.013 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Tgt Ion: 84 Resp: 32454
Ion Ratio Lower Upper
84 100
86 66.1 43.7 81.1
49 108.9 76.8 142.6

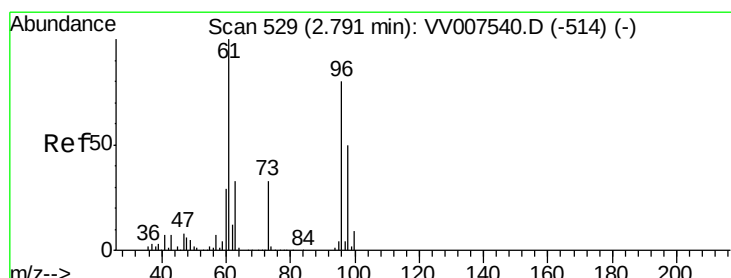
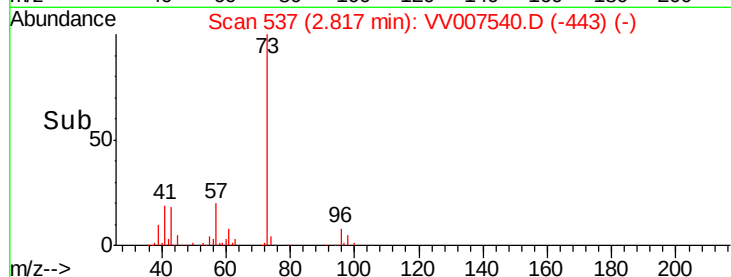
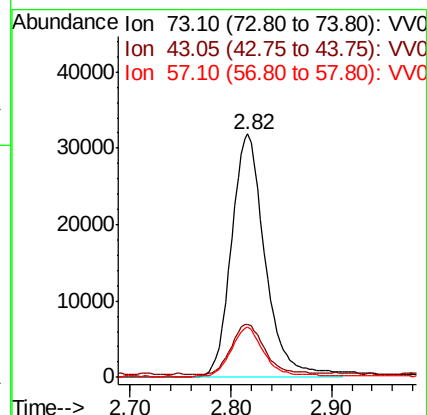
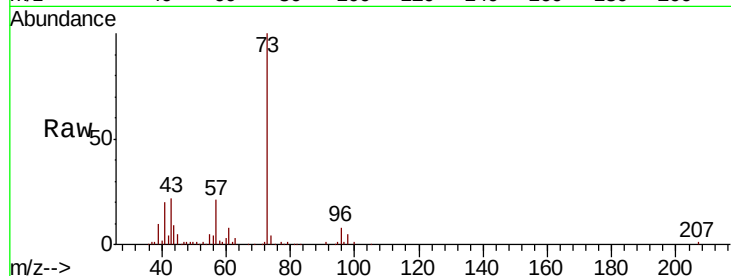




#17
Methyl tert-butyl Ether
Concen: 5.159 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

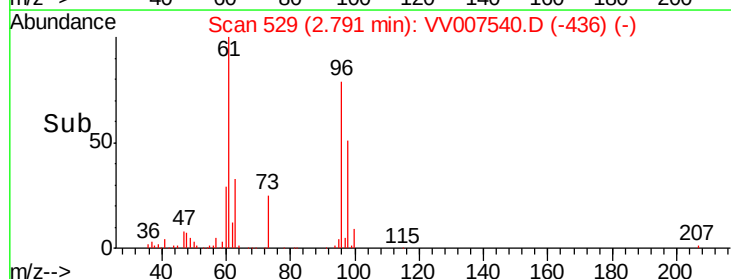
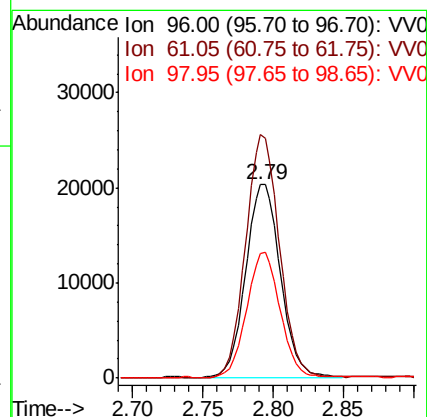
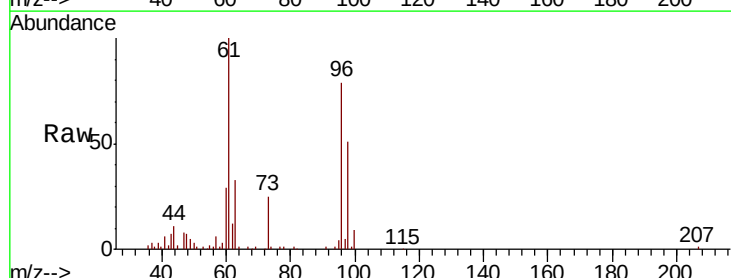
Instrument :
MSVOA_V
ClientSampleId :
BFB72

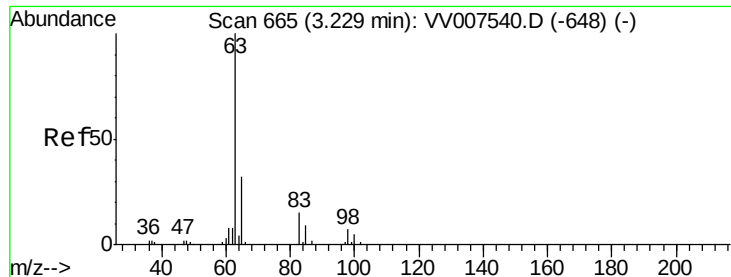
Tgt Ion: 73 Resp: 74334
Ion Ratio Lower Upper
73 100
43 20.0 15.8 23.6
57 19.2 15.8 23.6



#18
trans-1,2-Dichloroethene
Concen: 5.455 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Tgt Ion: 96 Resp: 35545
Ion Ratio Lower Upper
96 100
61 125.9 86.8 161.2
98 64.7 44.4 82.4

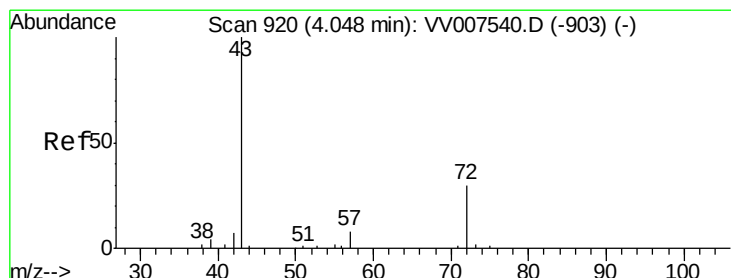
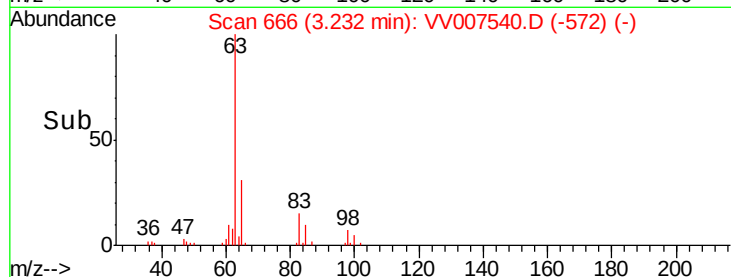
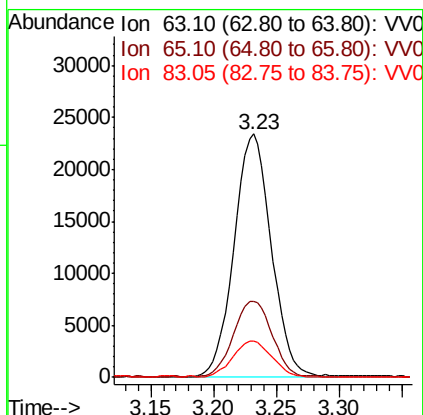
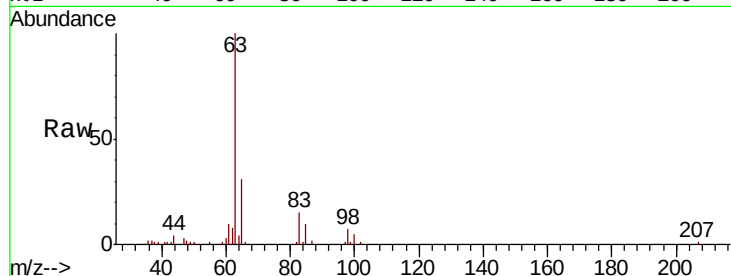




#19
 1,1-Dichloroethane
 Concen: 5.119 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

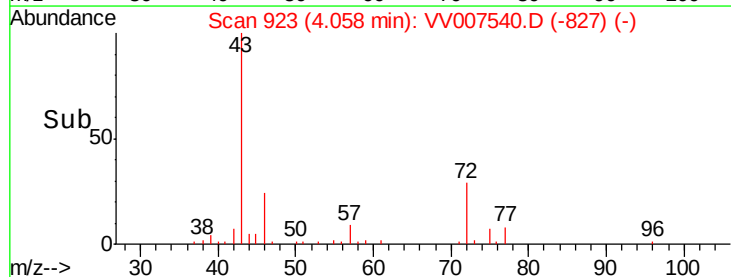
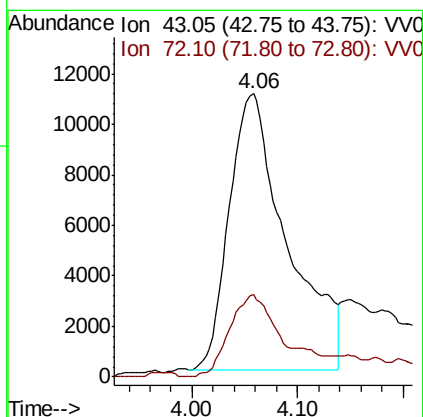
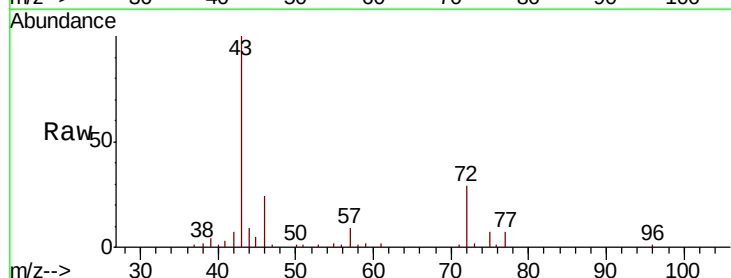
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

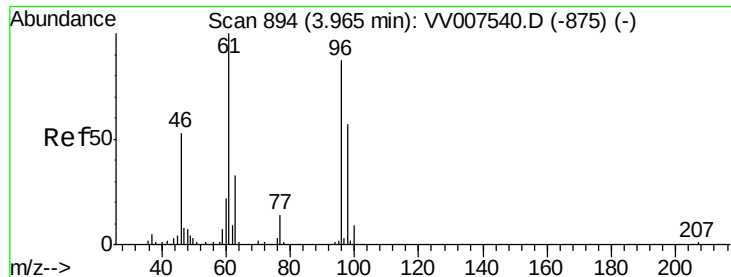
Tgt Ion: 63 Resp: 48627
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.5 41.9
 83 15.0 10.4 19.2



#21
 2-Butanone
 Concen: 44.270 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

Tgt Ion: 43 Resp: 41703
 Ion Ratio Lower Upper
 43 100
 72 23.7 14.2 42.6



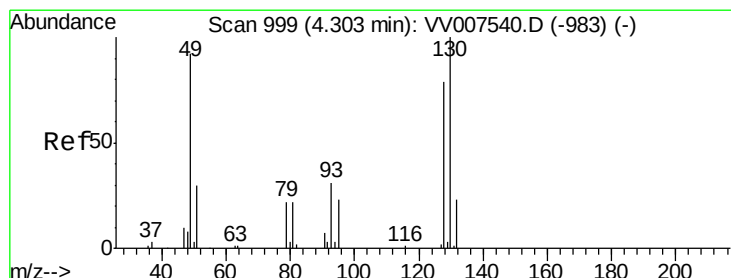
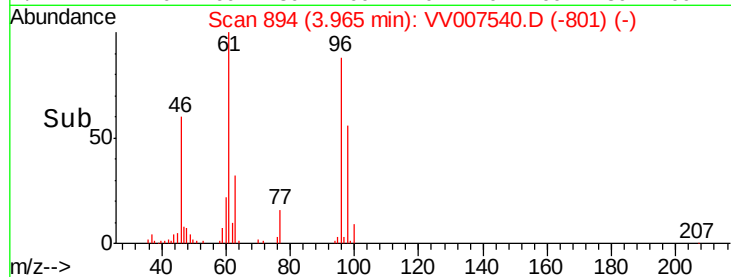
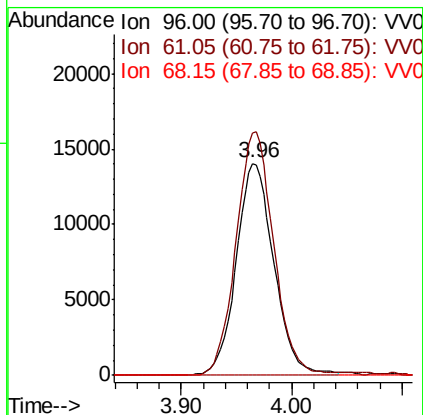
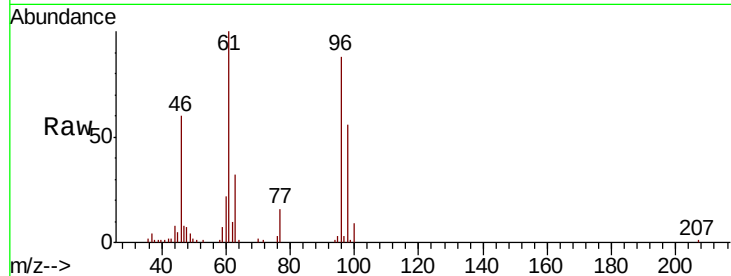


#22

cis-1,2-Dichloroethene
Concen: 5.172 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Instrument :
MSVOA_V
ClientSampleId :
BFB72

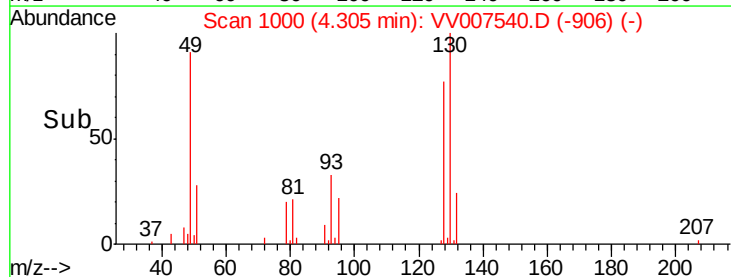
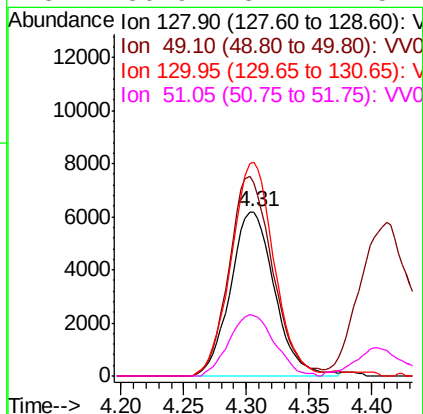
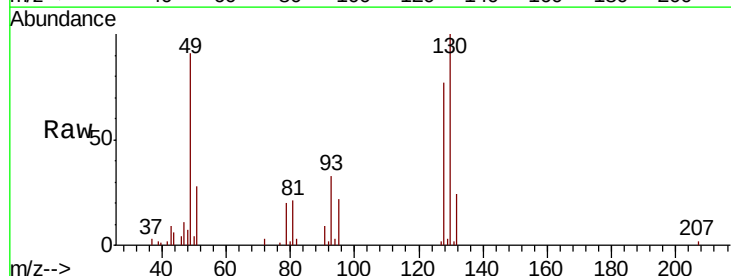
Tgt Ion: 96 Resp: 33215
Ion Ratio Lower Upper
96 100
61 114.3 85.3 158.5
68 0.0 0.0 0.0

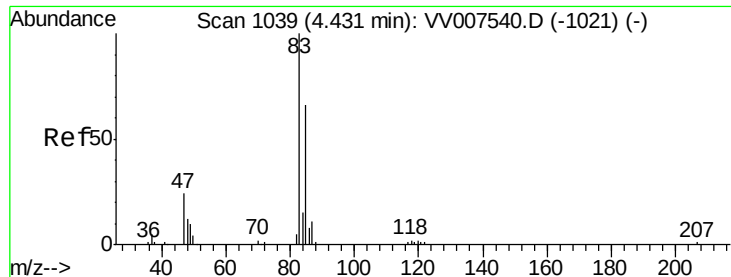


#23

Bromochloromethane
Concen: 5.350 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Tgt Ion: 128 Resp: 15063
Ion Ratio Lower Upper
128 100
49 118.0 89.0 165.2
130 130.1 88.8 165.0
51 36.9 32.2 48.2

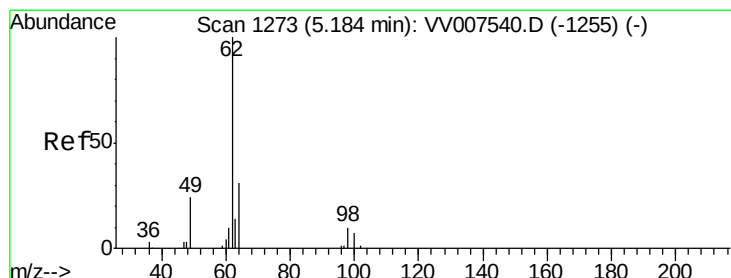
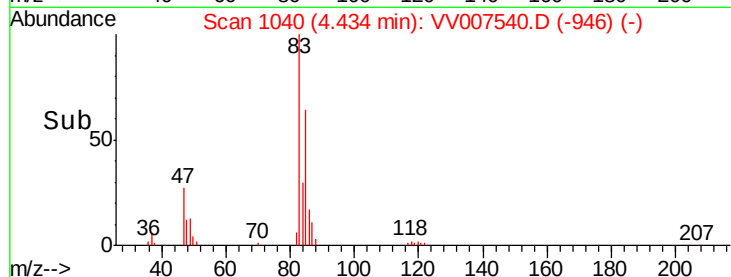
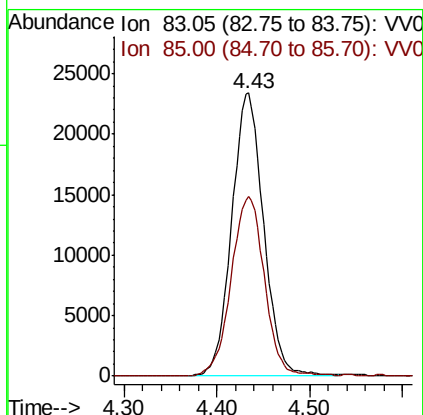
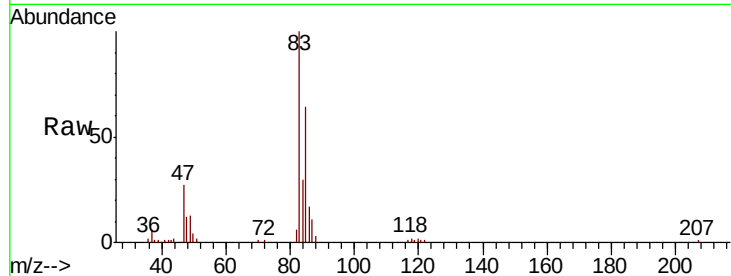




#25
Chloroform
Concen: 5.155 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

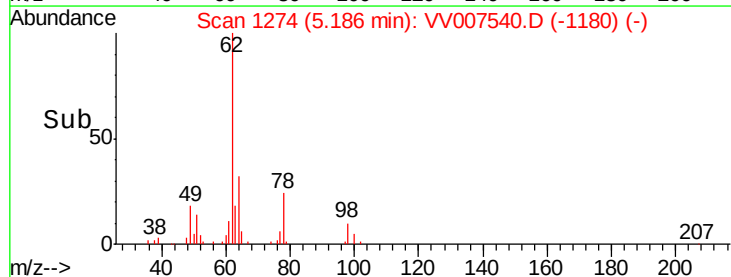
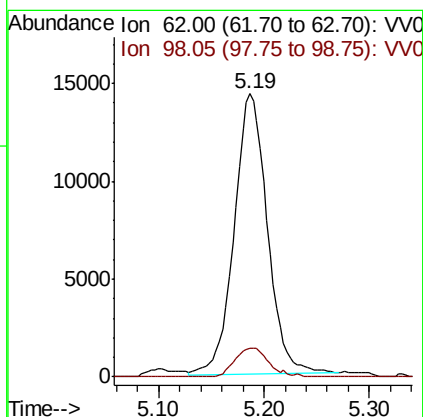
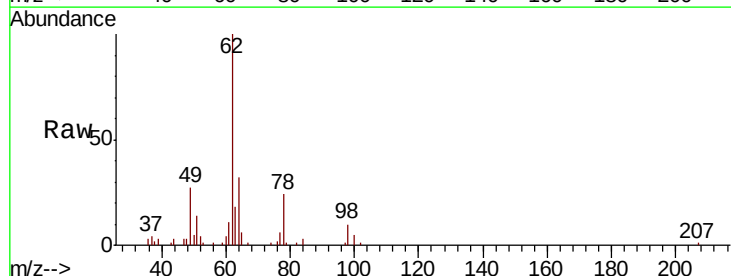
Instrument :
MSVOA_V
ClientSampled :
BFB72

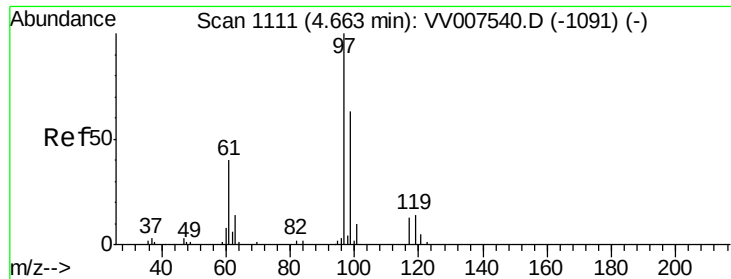
Tgt Ion: 83 Resp: 55968
Ion Ratio Lower Upper
83 100
85 63.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.014 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Tgt Ion: 62 Resp: 31341
Ion Ratio Lower Upper
62 100
98 10.0 7.6 11.4

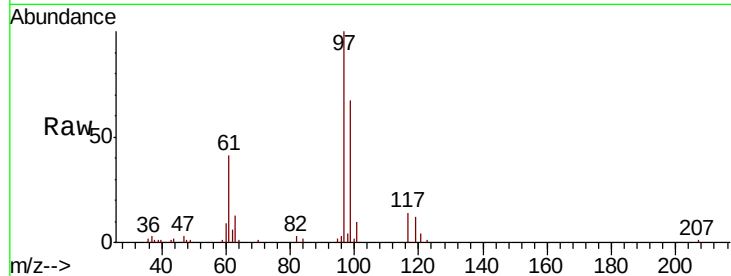




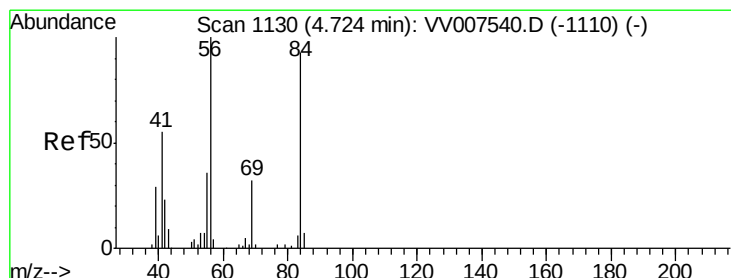
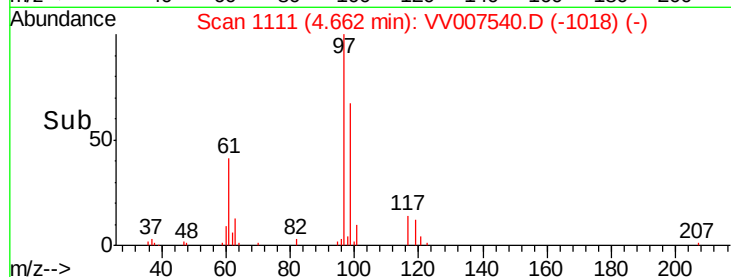
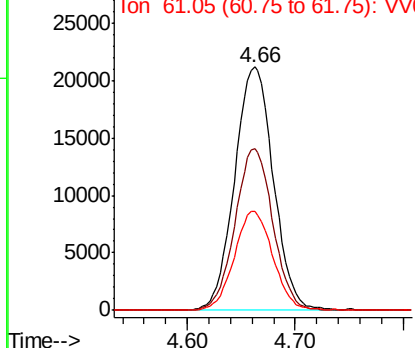
#29
 1,1,1-Trichloroethane
 Concen: 5.087 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

Instrument :
 MSVOA_V
 ClientSampled :
 BFB72

Tgt Ion: 97 Resp: 52986
 Ion Ratio Lower Upper
 97 100
 99 64.8 50.7 76.1
 61 40.3 32.5 48.7

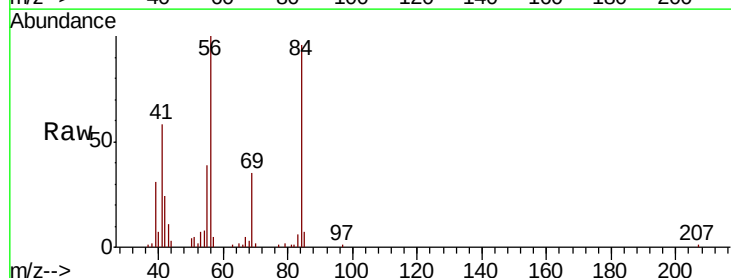


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

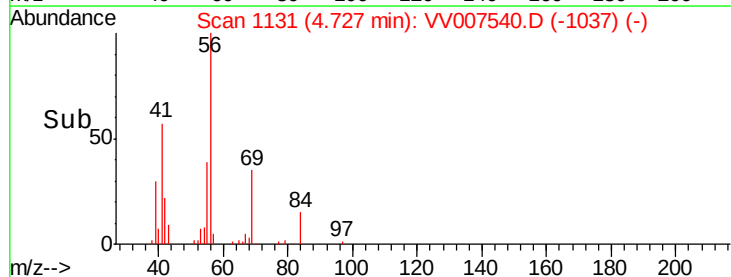
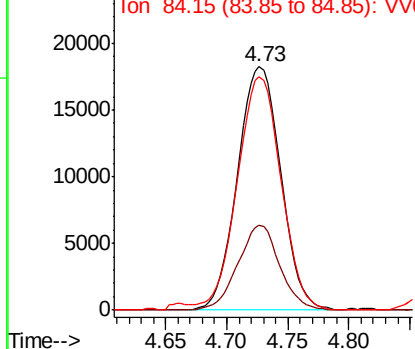


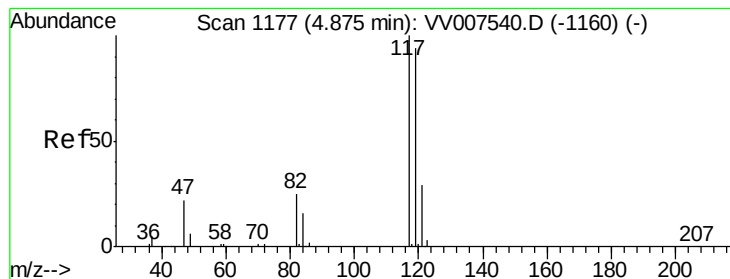
#30
 Cyclohexane
 Concen: 4.942 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

Tgt Ion: 56 Resp: 44889
 Ion Ratio Lower Upper
 56 100
 69 33.5 26.1 39.1
 84 96.8 78.0 117.0



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





#31

Carbon tetrachloride

Concen: 5.058 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

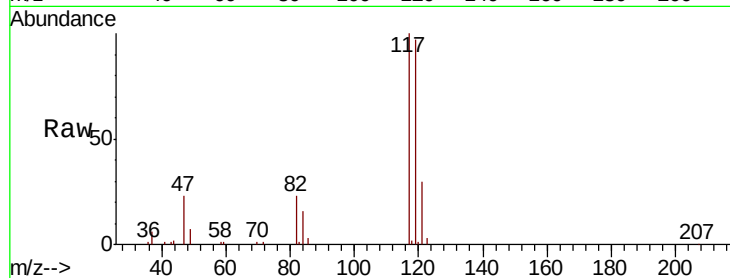
BFB72

Tgt Ion:117 Resp: 49438

Ion Ratio Lower Upper

117 100

119 97.0 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

25000

20000

15000

10000

5000

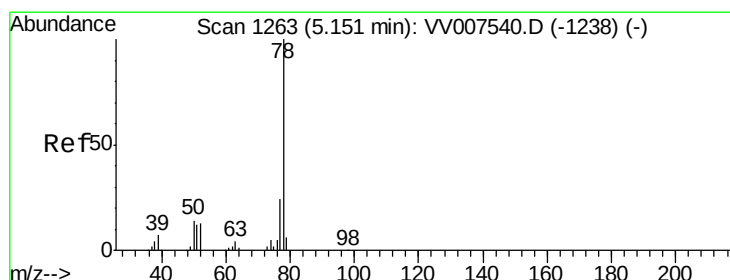
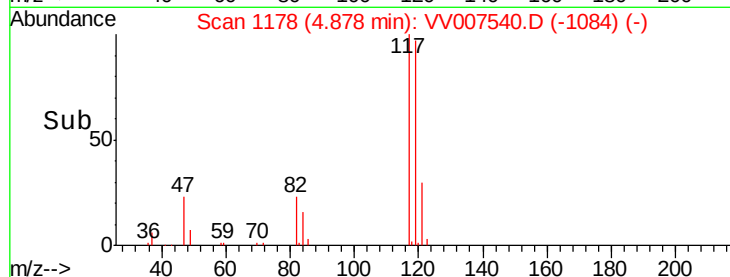
0

Time-->

4.80

4.90

5.00



#33

Benzene

Concen: 5.308 ug/L

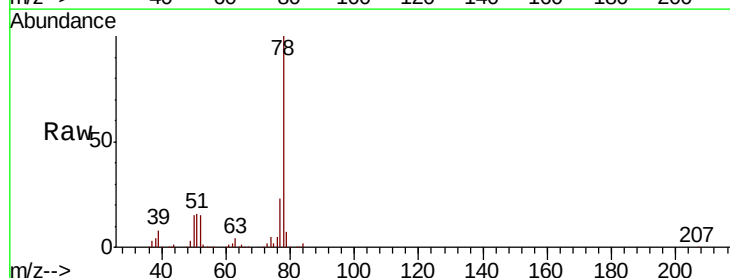
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Tgt Ion: 78 Resp: 117406



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

60000

50000

40000

30000

20000

10000

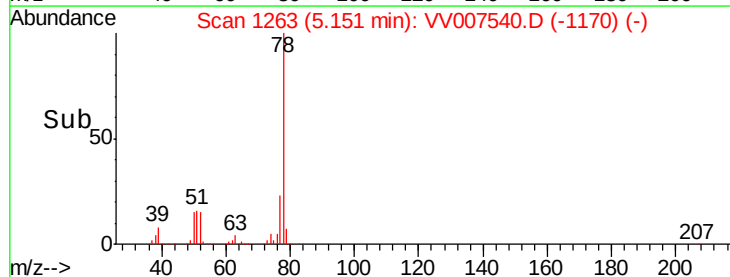
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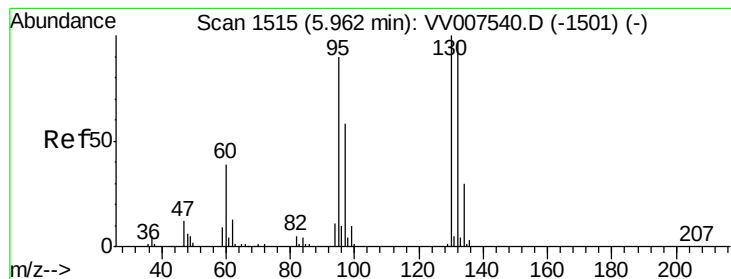
Time-->

5.00

5.10

5.20





#34

Trichloroethene

Concen: 5.347 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

BFB72

Tgt Ion: 95 Resp: 36268

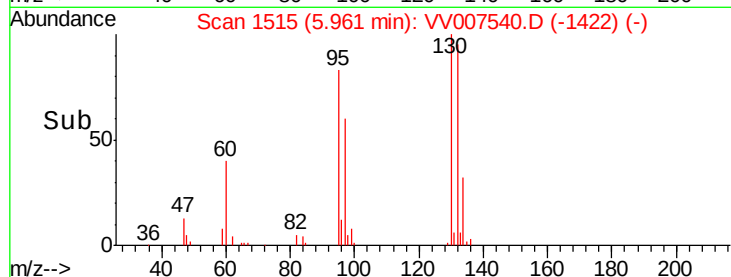
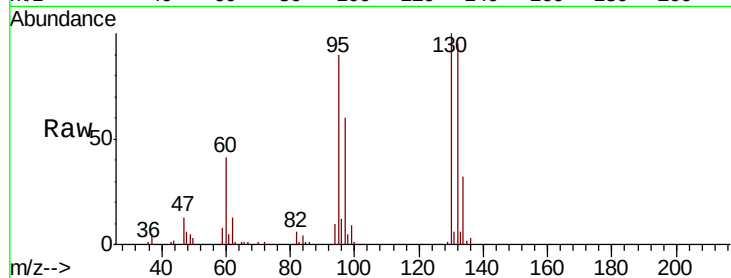
Ion Ratio Lower Upper

95 100

97 66.1 45.5 84.5

132 105.5 74.9 139.1

130 110.5 80.0 148.6

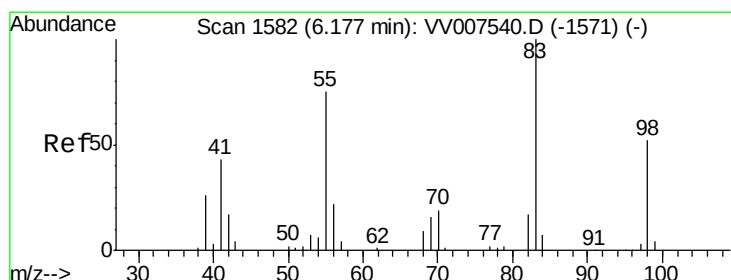
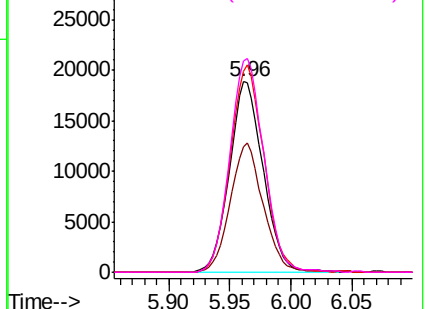


Abundance Ion 95.00 (94.70 to 95.70): VV007540.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV007540.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV007540.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV007540.D (-1422) (-)



#35

Methylcyclohexane

Concen: 5.105 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

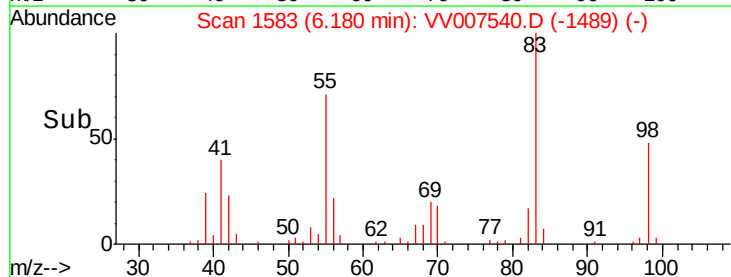
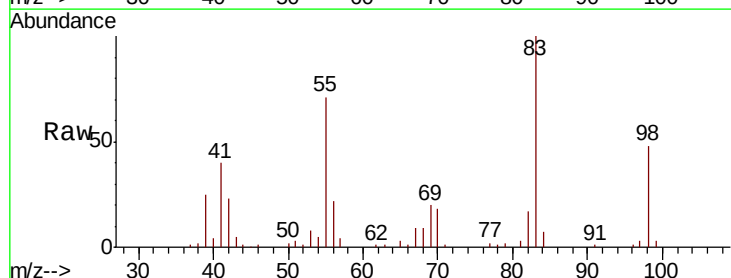
Tgt Ion: 83 Resp: 53483

Ion Ratio Lower Upper

83 100

55 69.0 55.0 82.4

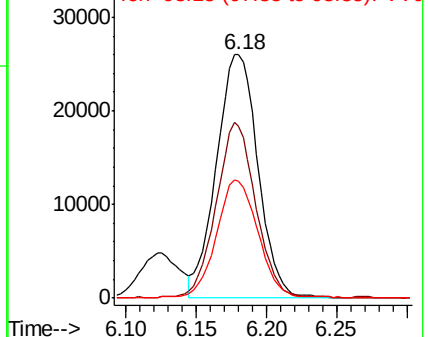
98 48.9 37.6 56.4

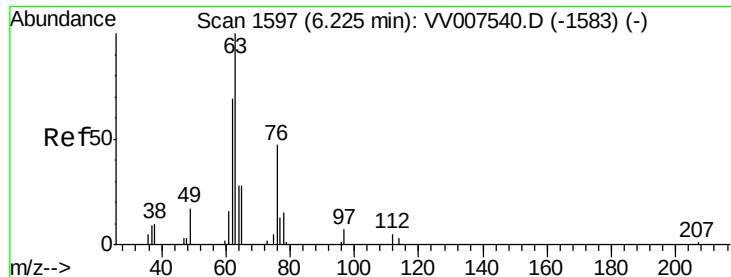


Abundance Ion 83.15 (82.85 to 83.85): VV007540.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV007540.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV007540.D (-1489) (-)

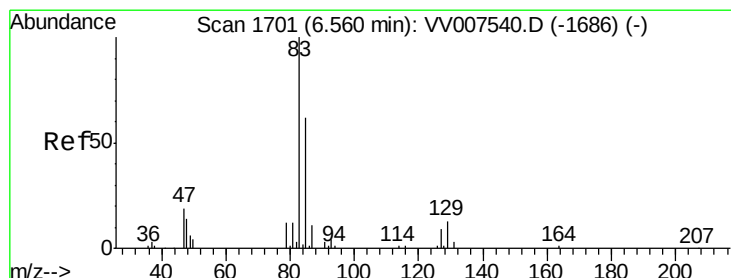
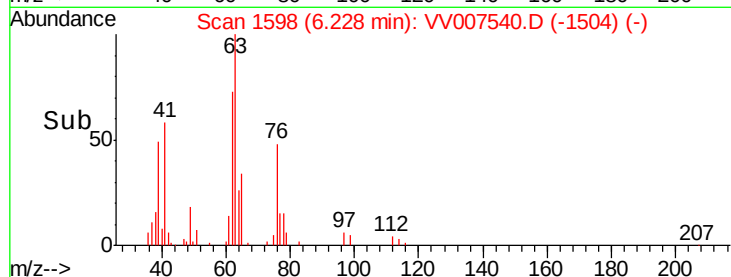
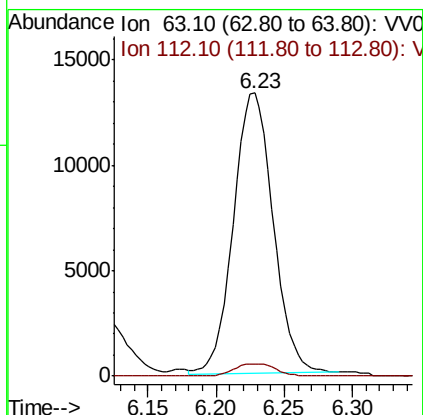
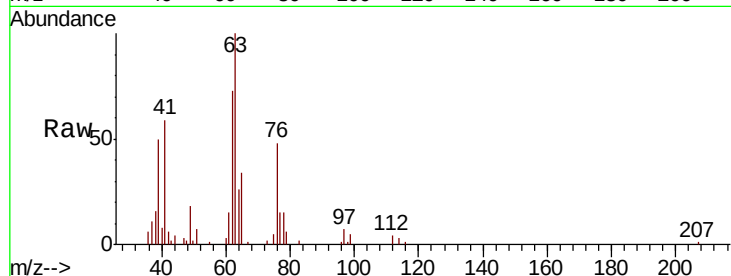




#37
 1,2-Dichloropropane
 Concen: 4.947 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

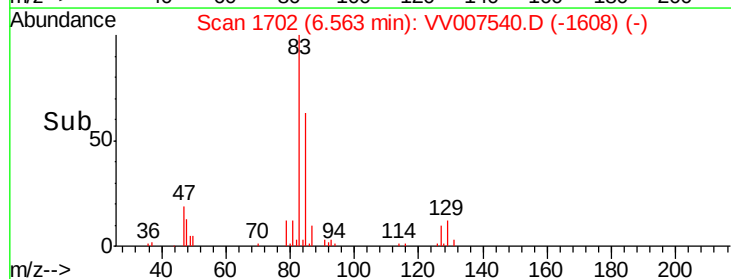
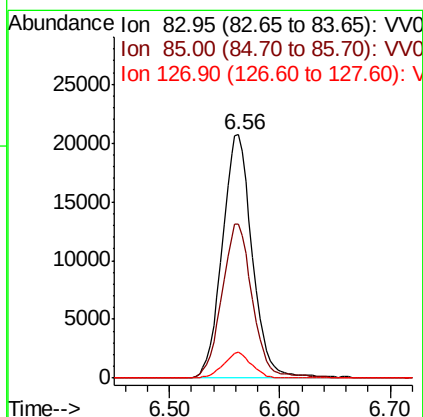
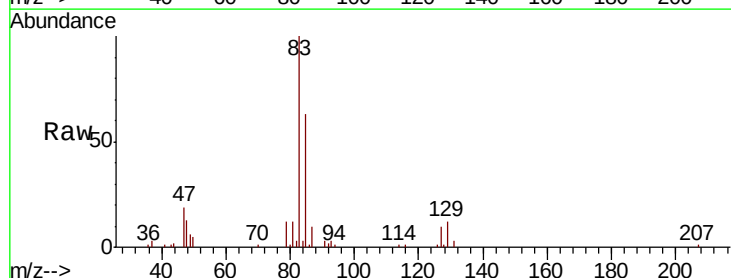
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

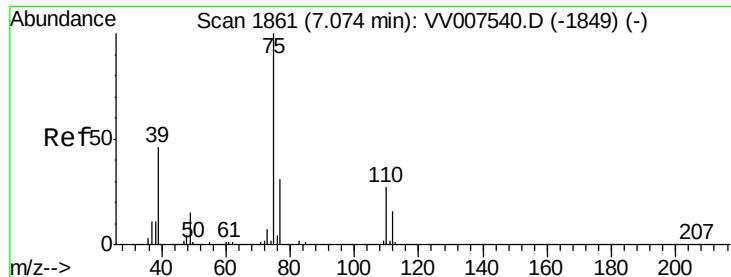
Tgt Ion: 63 Resp: 26960
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.942 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

Tgt Ion: 83 Resp: 39061
 Ion Ratio Lower Upper
 83 100
 85 63.1 46.4 86.2
 127 10.5 8.4 12.6

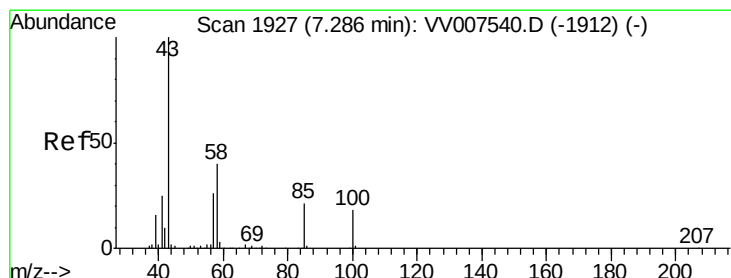
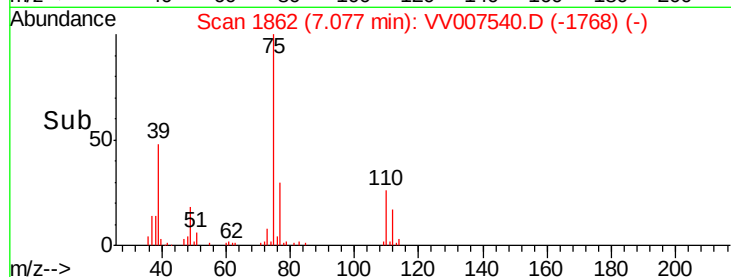
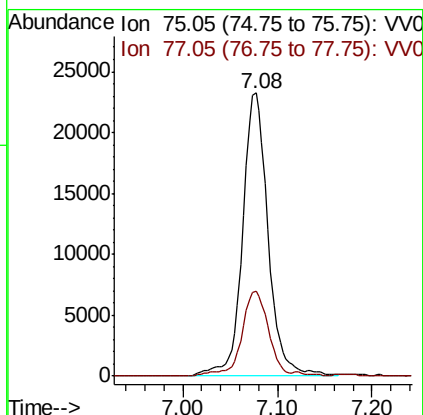
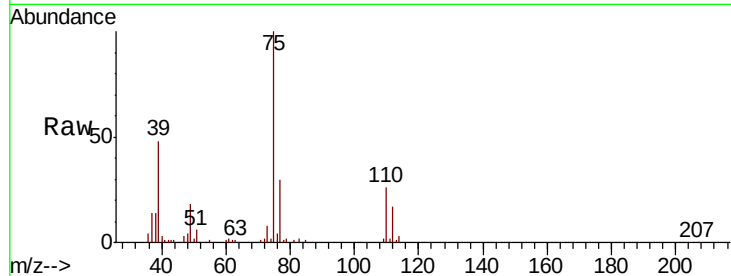




#39
 cis-1,3-Dichloropropene
 Concen: 5.046 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

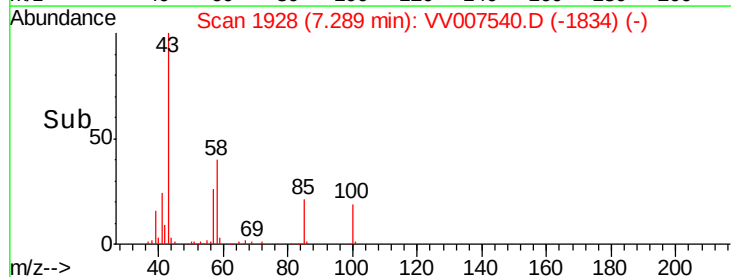
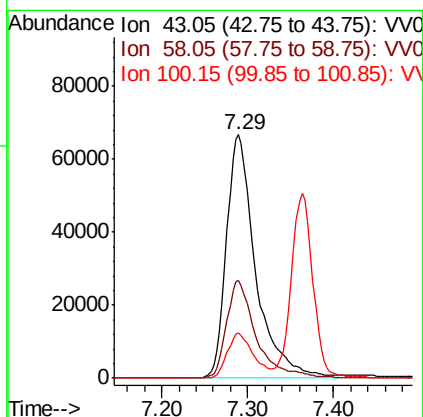
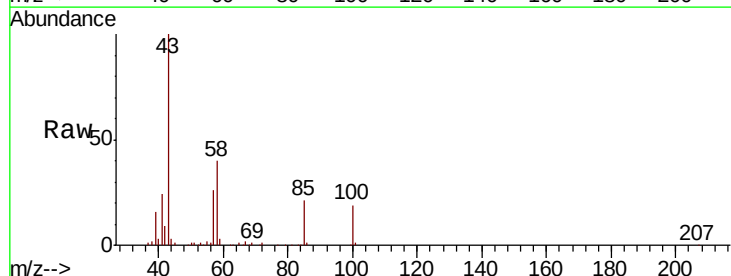
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

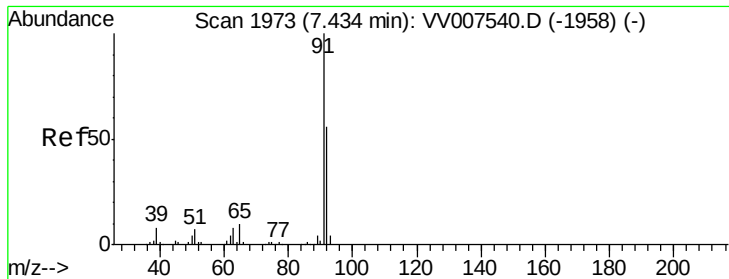
Tgt Ion: 75 Resp: 43724
 Ion Ratio Lower Upper
 75 100
 77 29.8 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 52.473 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

Tgt Ion: 43 Resp: 157895
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.6 49.0
 100 16.6 13.5 20.3





#42

Toluene

Concen: 5.164 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

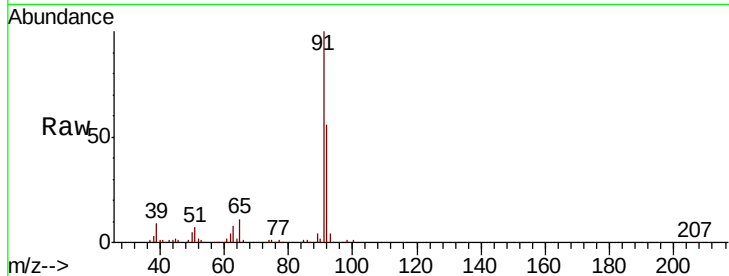
BFB72

Tgt Ion: 91 Resp: 131948

Ion Ratio Lower Upper

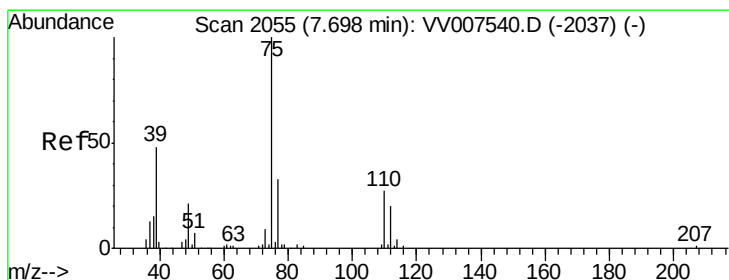
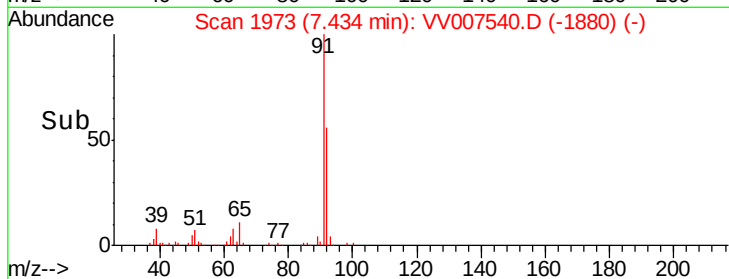
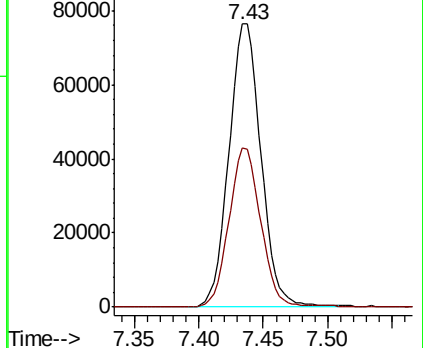
91 100

92 56.2 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV007540.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV007540.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.763 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007540.D

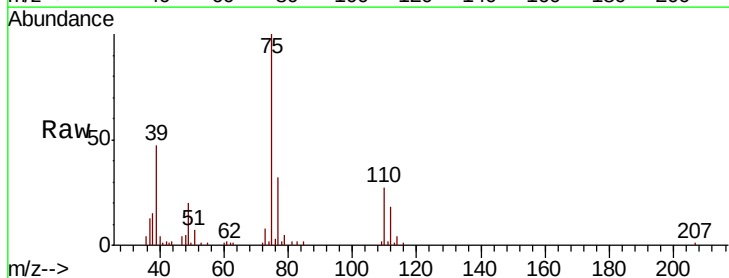
Acq: 14 Sep 2018 22:27

Tgt Ion: 75 Resp: 33949

Ion Ratio Lower Upper

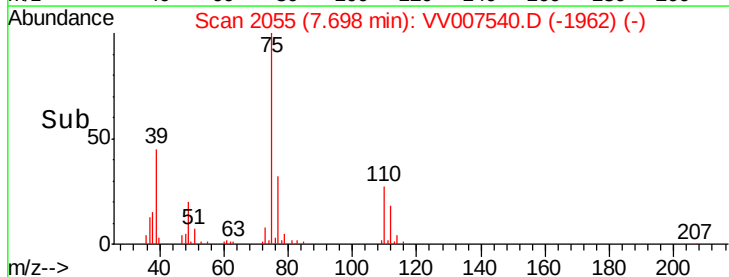
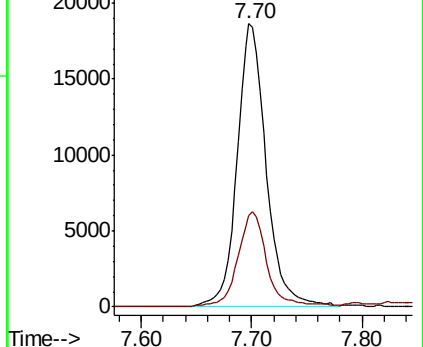
75 100

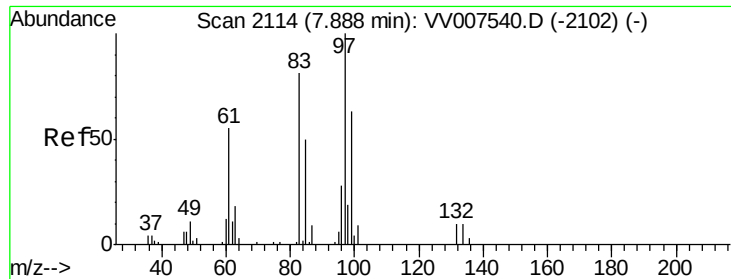
77 32.4 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VV007540.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV007540.D (-2037) (-)

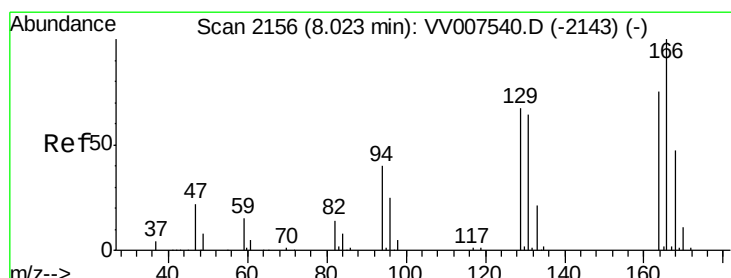
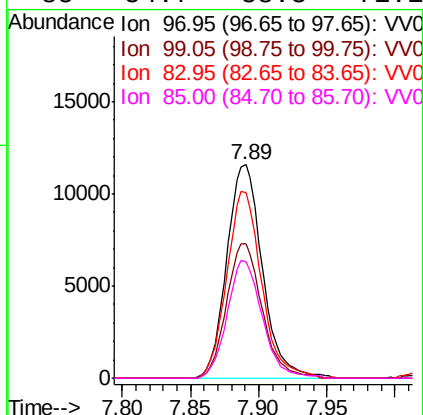
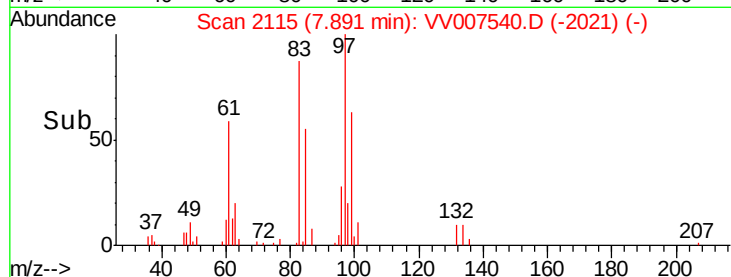
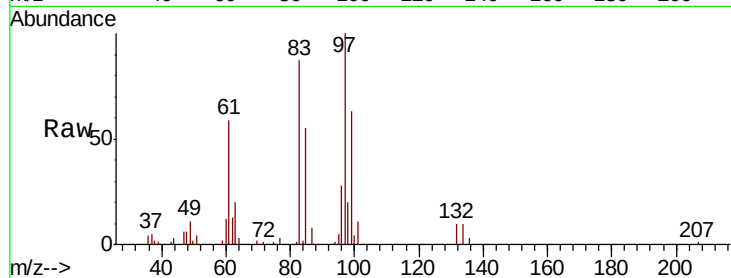




#45
 1,1,2-Trichloroethane
 Concen: 5.183 ug/L
 RT: 7.89 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

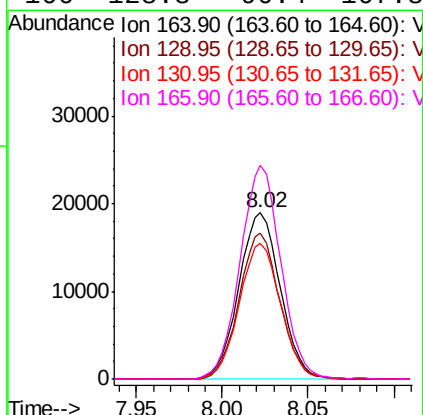
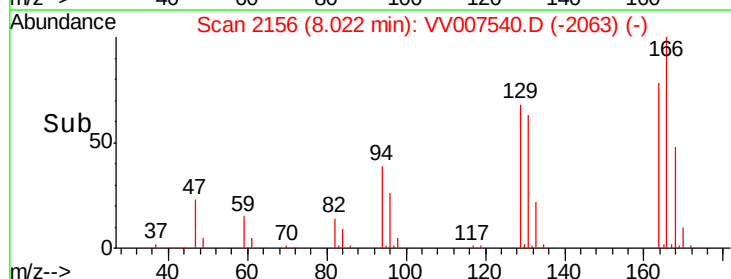
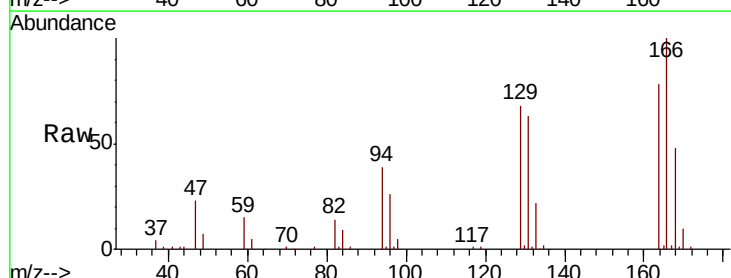
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

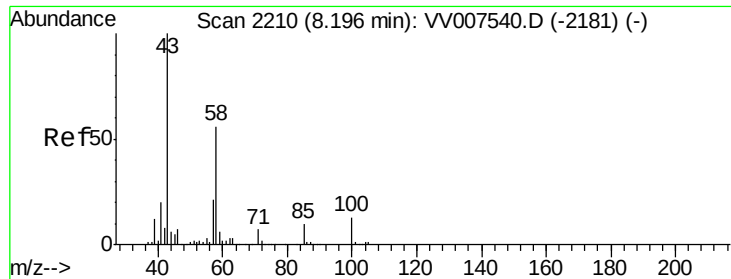
Tgt Ion:	97	Resp:	21095
Ion	Ratio	Lower	Upper
97	100		
99	63.0	42.9	79.7
83	87.0	58.1	107.9
85	54.7	38.3	71.1



#47
 Tetrachloroethene
 Concen: 5.211 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

Tgt Ion:	164	Resp:	31740
Ion	Ratio	Lower	Upper
164	100		
129	87.9	61.9	115.1
131	81.8	62.1	115.3
166	128.8	90.4	167.8

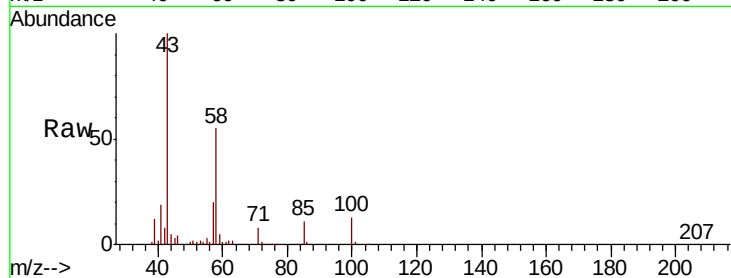




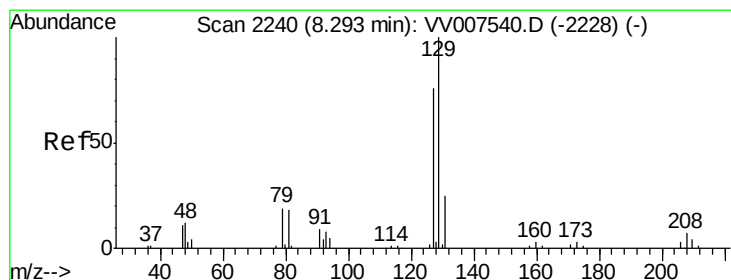
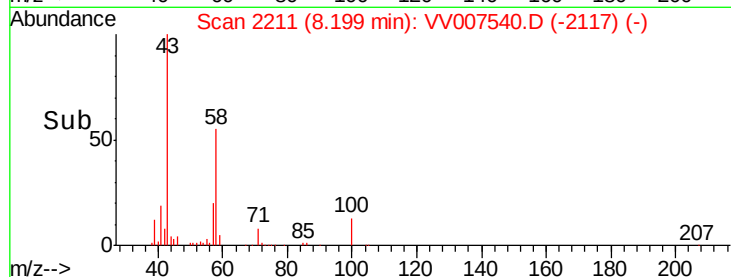
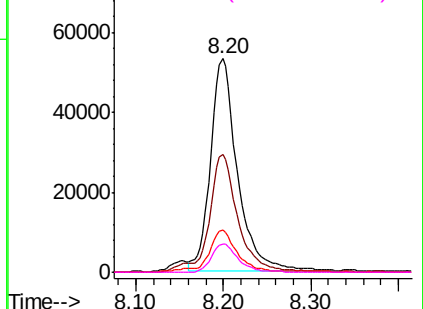
#48
2-Hexanone
Concen: 49.836 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Instrument :
MSVOA_V
ClientSampleId :
BFB72

Tgt Ion:	43	Resp:	113851
Ion	Ratio	Lower	Upper
43	100		
58	59.4	49.8	74.6
57	18.9	18.2	27.4
100	13.3	11.0	16.4

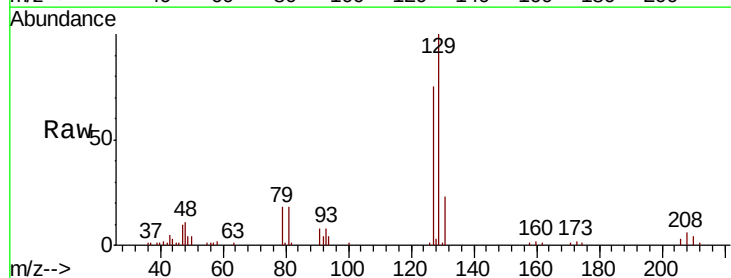


Abundance Ion 43.05 (42.75 to 43.75): VV007540.D (-2181) (-)
Ion 58.05 (57.75 to 58.75): VV007540.D (-2181) (-)
Ion 57.20 (56.90 to 57.90): VV007540.D (-2181) (-)
Ion 100.15 (99.85 to 100.85): VV007540.D (-2181) (-)

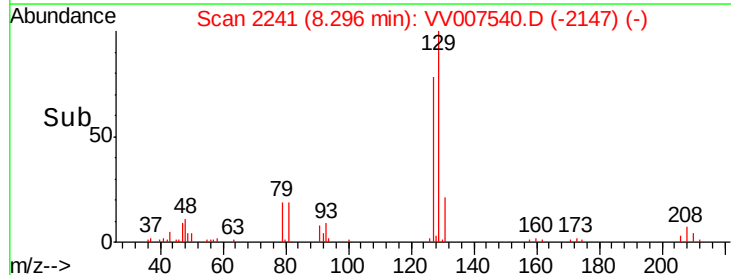
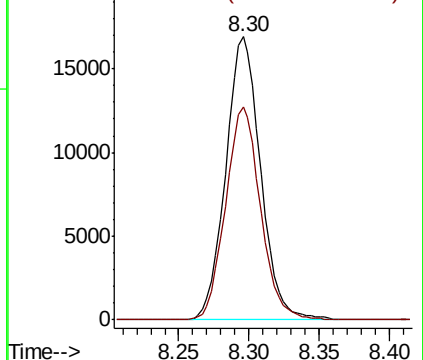


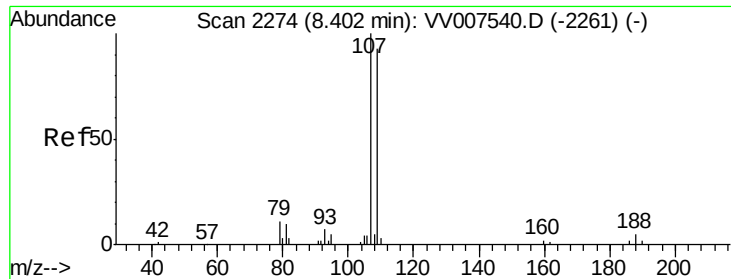
#49
Dibromochloromethane
Concen: 5.046 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Tgt Ion:	129	Resp:	29228
Ion	Ratio	Lower	Upper
129	100		
127	75.5	53.8	100.0



Abundance Ion 128.95 (128.65 to 129.65): VV007540.D (-2228) (-)
Ion 126.90 (126.60 to 127.60): VV007540.D (-2228) (-)

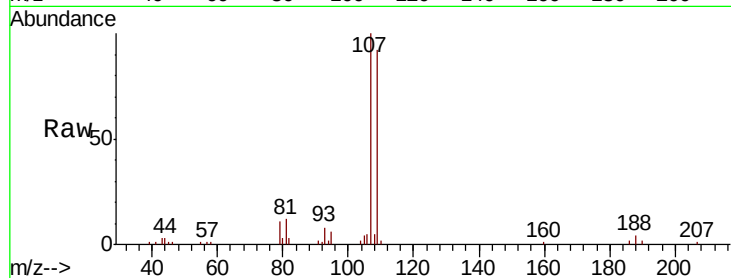




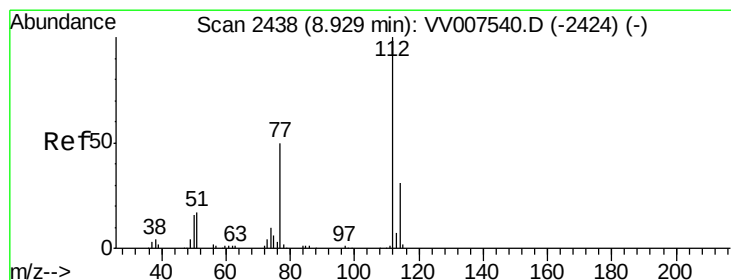
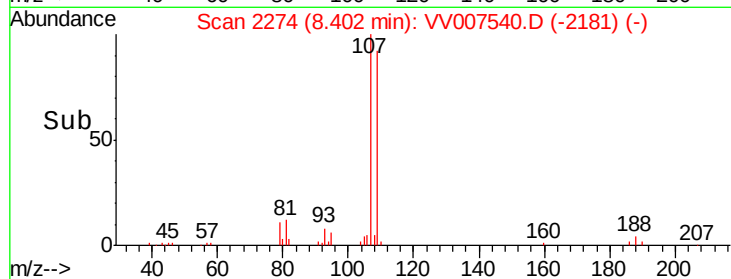
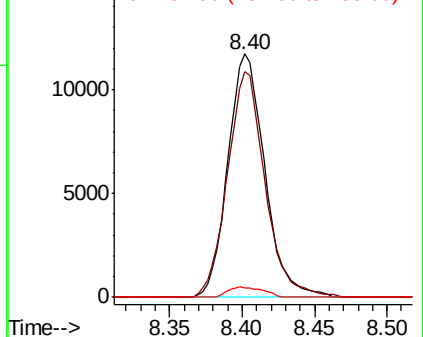
#50
1,2-Dibromoethane
Concen: 5.239 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Instrument :
MSVOA_V
ClientSampleId :
BFB72

Tgt Ion:107 Resp: 20704
Ion Ratio Lower Upper
107 100
109 92.5 66.0 122.6
188 4.1 3.3 4.9

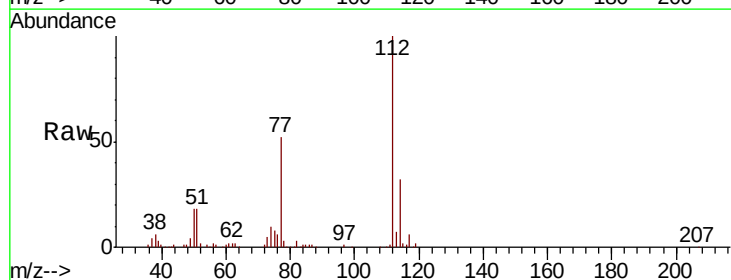


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

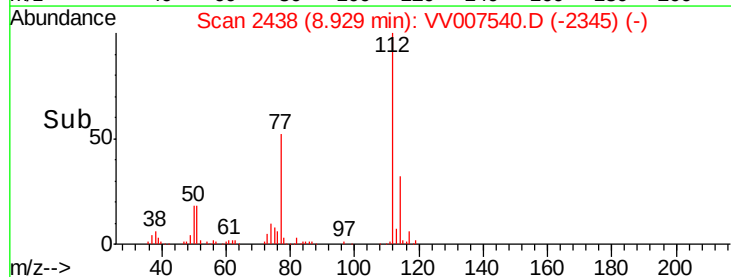
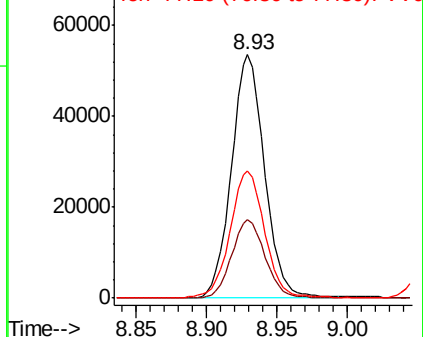


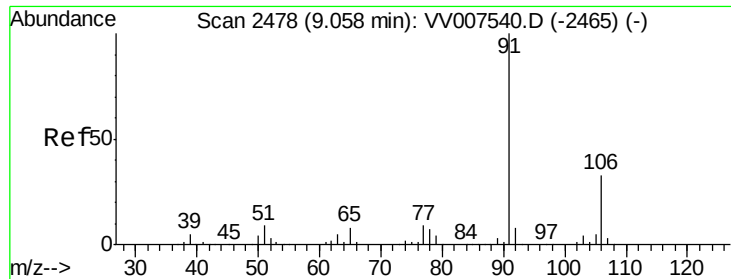
#51
Chlorobenzene
Concen: 5.132 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Tgt Ion:112 Resp: 88190
Ion Ratio Lower Upper
112 100
114 32.3 22.8 42.4
77 52.1 43.2 64.8



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





#52

Ethylbenzene

Concen: 5.030 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

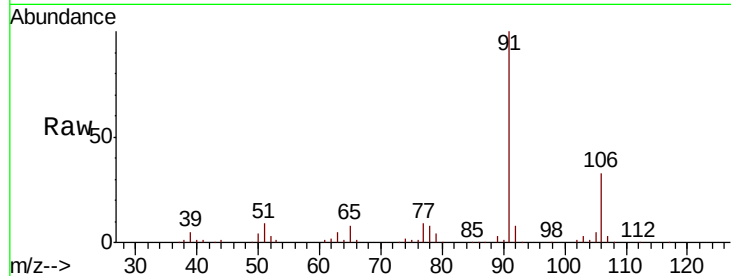
BFB72

Tgt Ion: 91 Resp: 144762

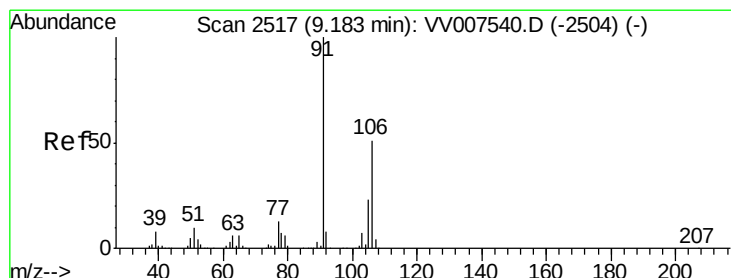
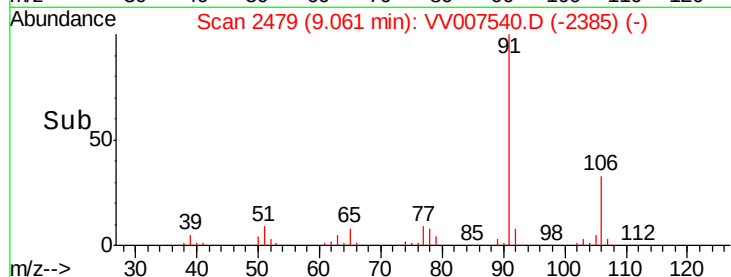
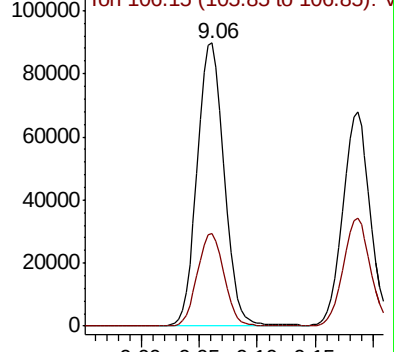
Ion Ratio Lower Upper

91 100

106 32.6 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VV007540.D (-2465) (-)



#53

m,p-xylene

Concen: 5.110 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007540.D

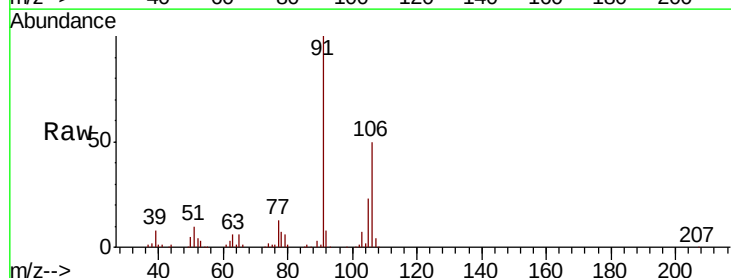
Acq: 14 Sep 2018 22:27

Tgt Ion: 106 Resp: 56985

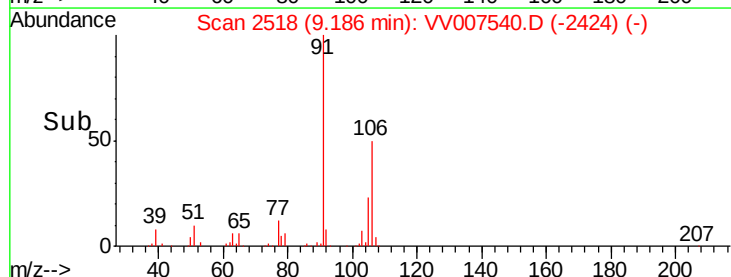
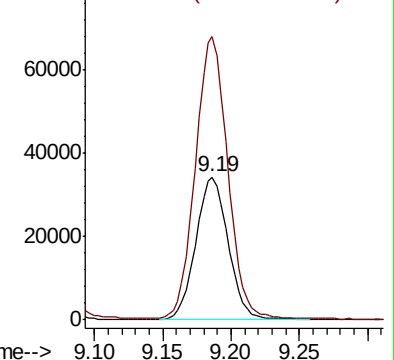
Ion Ratio Lower Upper

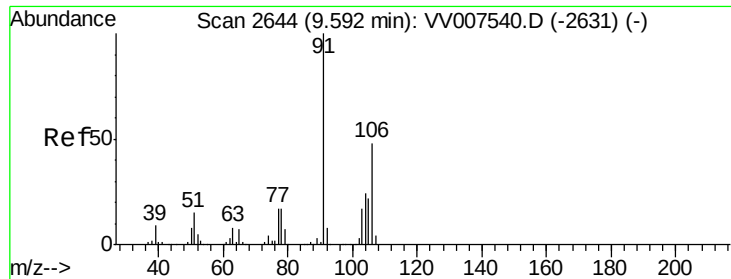
106 100

91 198.2 137.2 254.8



Abundance Ion 106.15 (105.85 to 106.85): VV007540.D (-2504) (-)

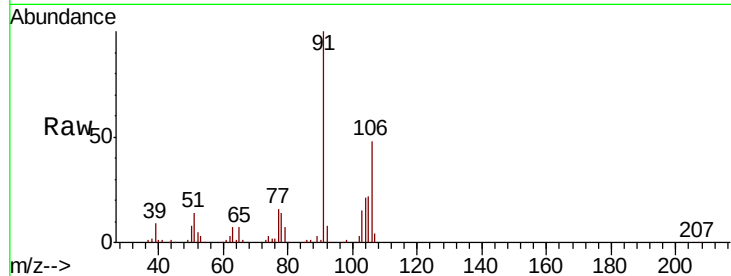




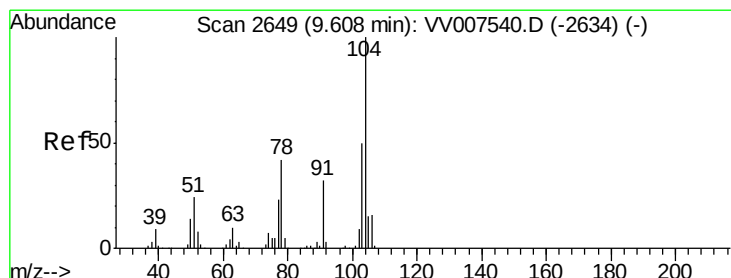
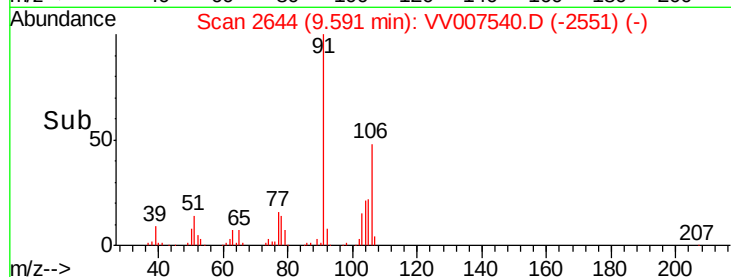
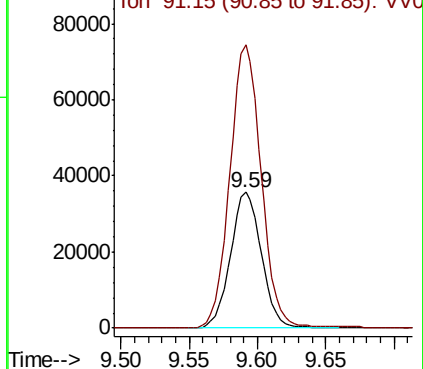
#54
o-xylene
Concen: 5.160 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Instrument :
MSVOA_V
ClientSampled :
BFB72

Tgt Ion:106 Resp: 56344
Ion Ratio Lower Upper
106 100
91 208.8 147.6 274.0

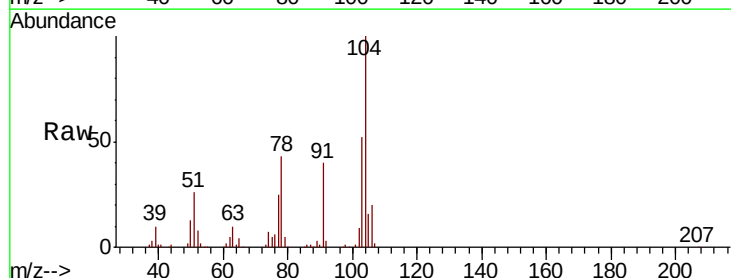


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

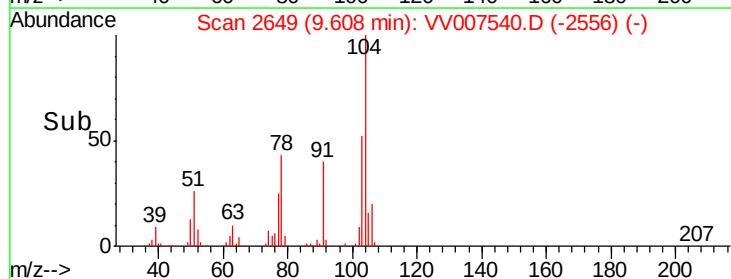
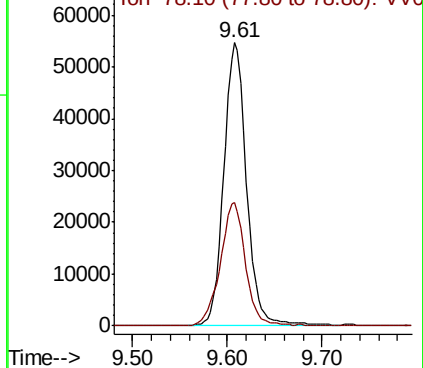


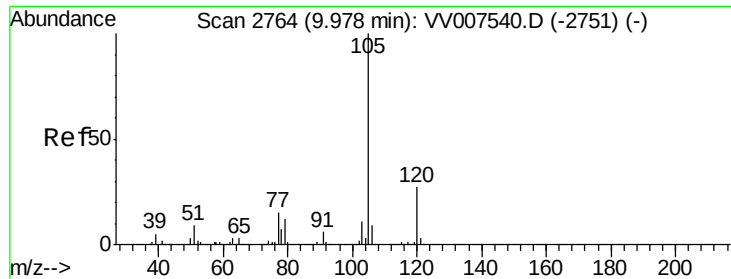
#55
Styrene
Concen: 5.153 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007540.D
Acq: 14 Sep 2018 22:27

Tgt Ion:104 Resp: 91663
Ion Ratio Lower Upper
104 100
78 43.5 29.5 54.7



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





#56

Isopropylbenzene

Concen: 5.159 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

BFB72

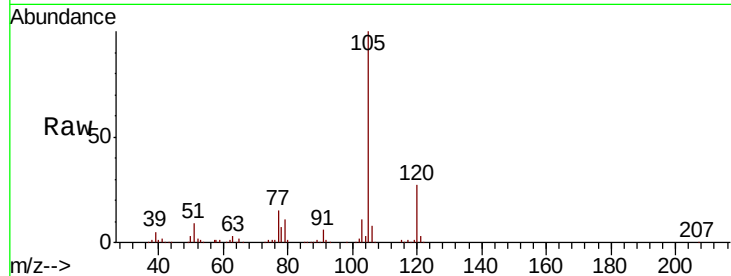
Tgt Ion:105 Resp: 152945

Ion Ratio Lower Upper

105 100

120 27.3 22.2 33.2

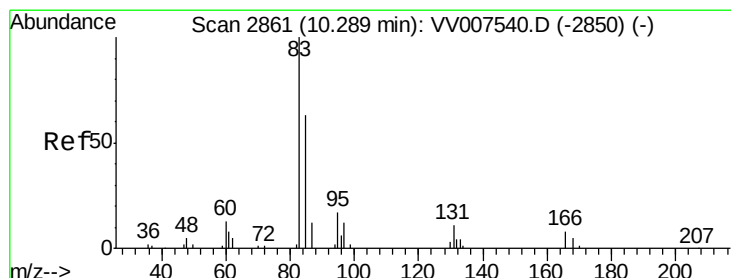
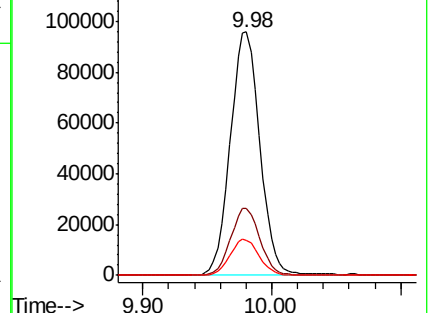
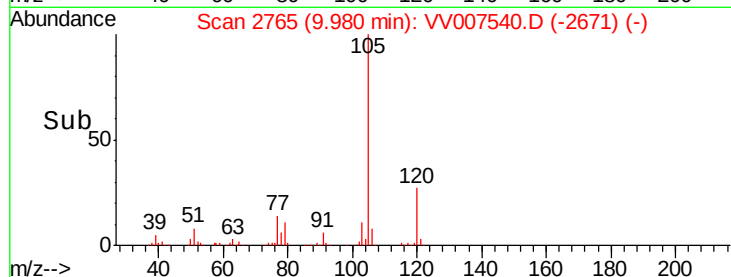
77 14.6 12.2 18.4



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: 5.152 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

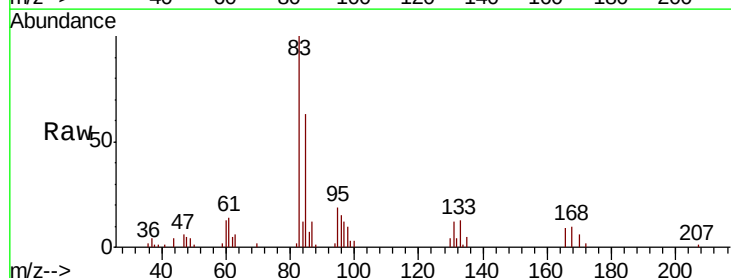
Tgt Ion: 83 Resp: 20539

Ion Ratio Lower Upper

83 100

85 63.3 43.6 81.0

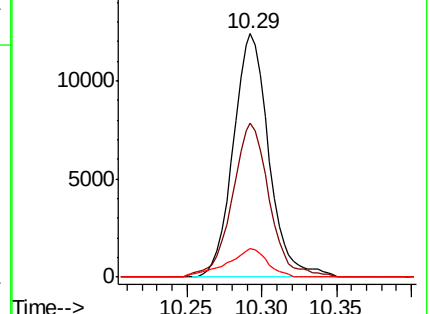
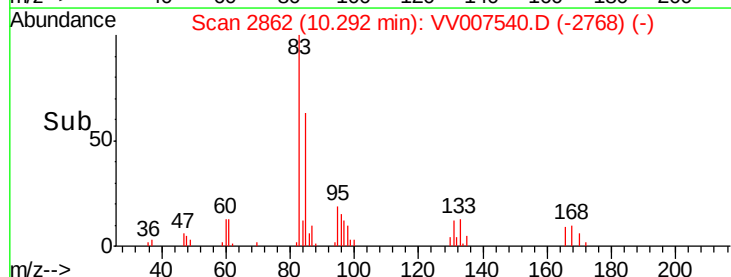
131 11.6 9.2 13.8

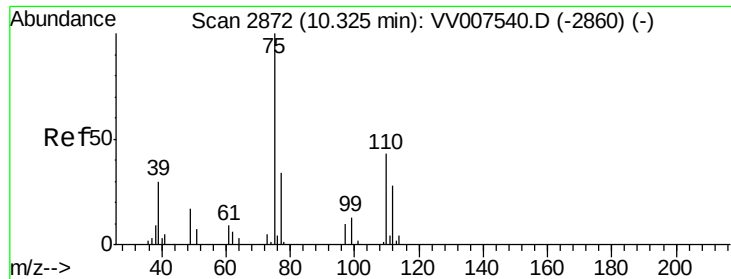


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.302 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

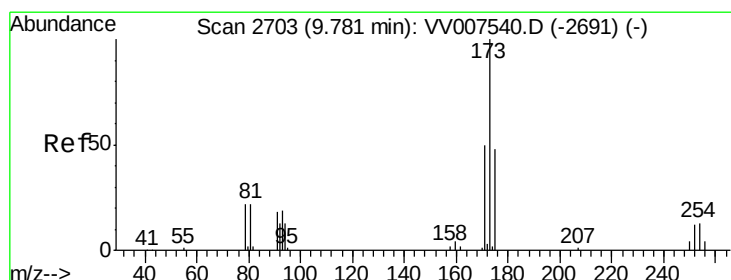
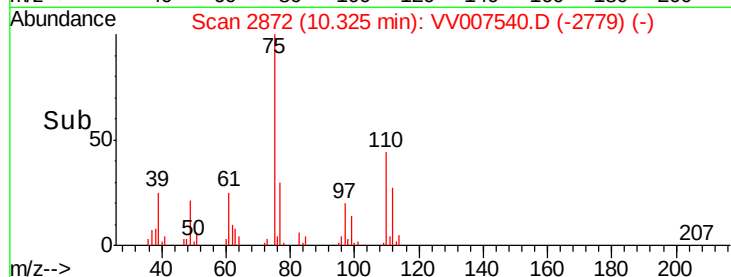
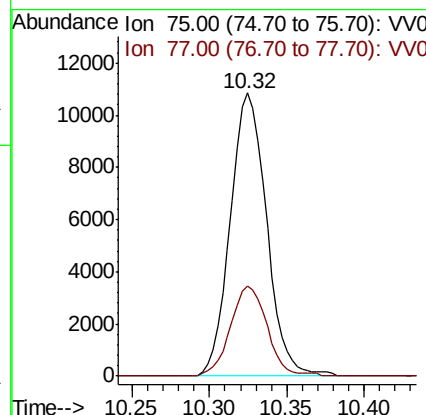
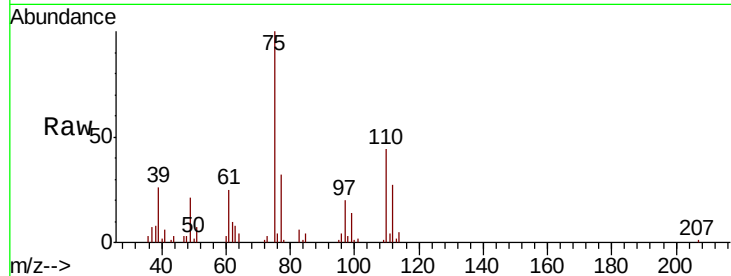
BFB72

Tgt Ion: 75 Resp: 17670

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.6



#61

Bromoform

Concen: 5.430 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

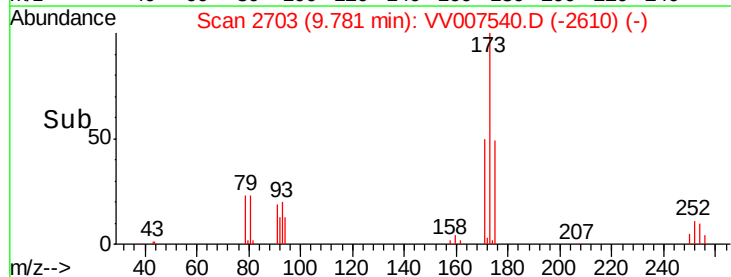
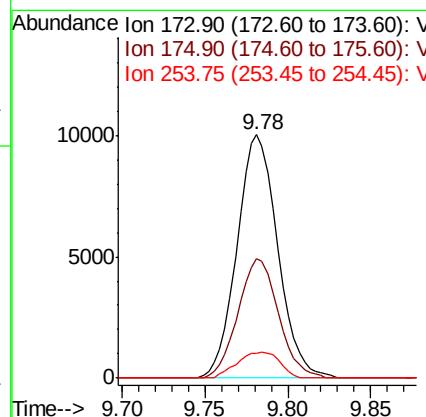
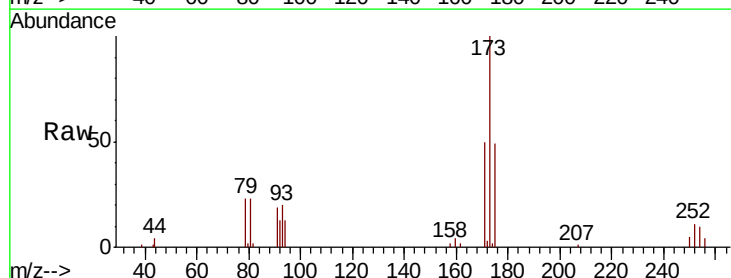
Tgt Ion: 173 Resp: 17087

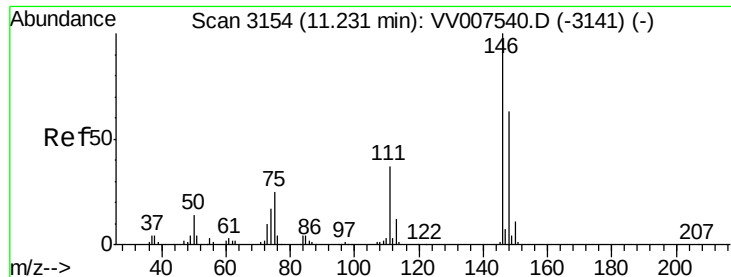
Ion Ratio Lower Upper

173 100

175 48.9 37.9 56.9

254 11.2 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 5.452 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

BFB72

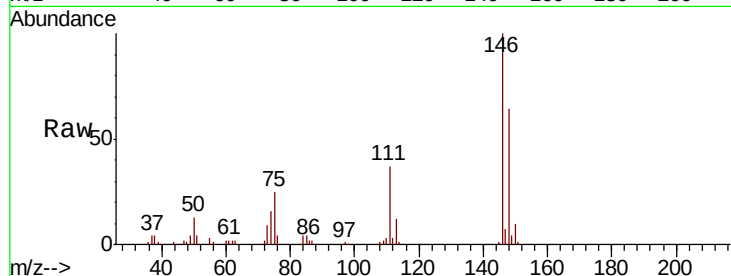
Tgt Ion:146 Resp: 73020

Ion Ratio Lower Upper

146 100

111 37.1 25.3 47.1

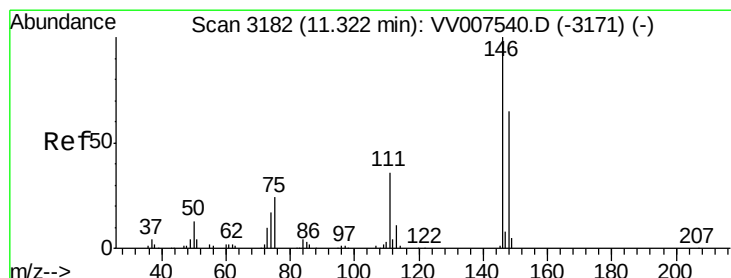
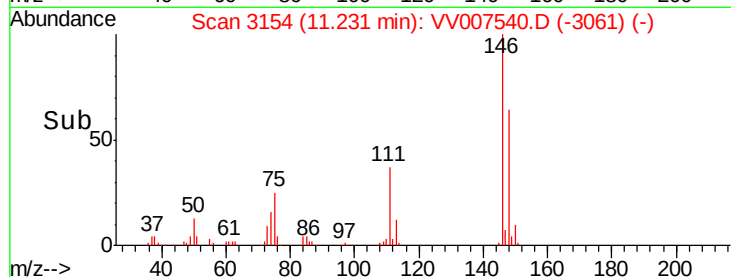
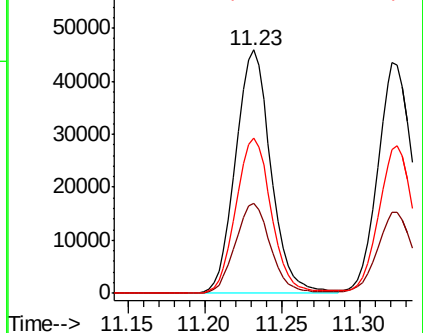
148 63.7 44.6 82.8



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



#63

1,4-Dichlorobenzene

Concen: 5.286 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

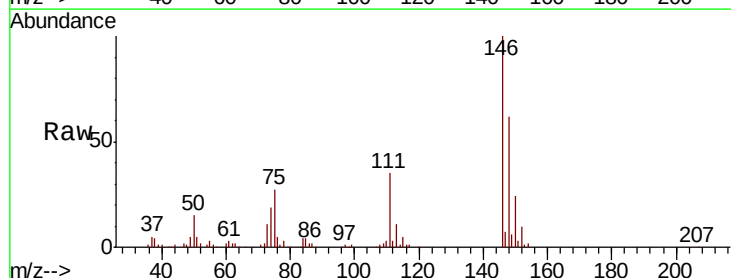
Tgt Ion:146 Resp: 70790

Ion Ratio Lower Upper

146 100

111 35.1 24.5 45.5

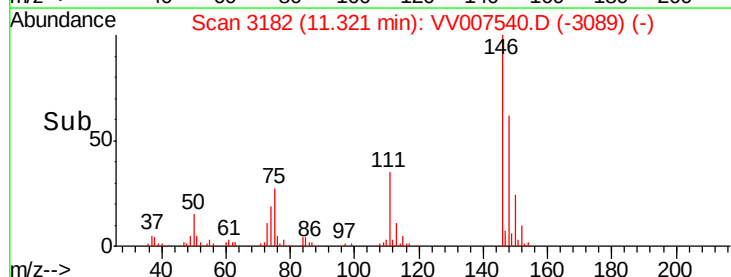
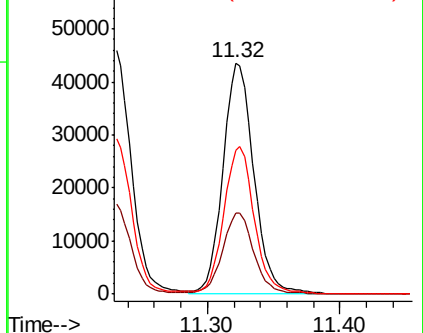
148 62.2 45.1 83.9

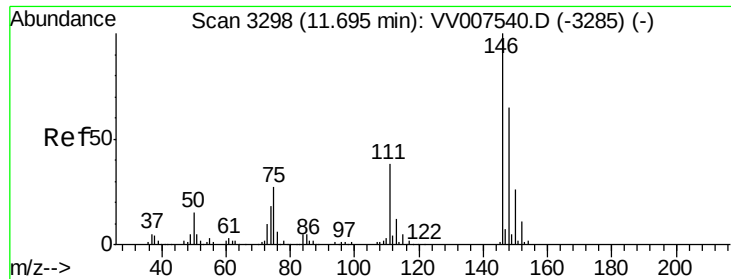


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.569 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

BFB72

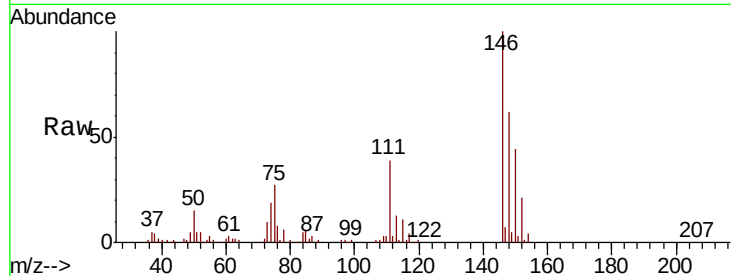
Tgt Ion:146 Resp: 69415

Ion Ratio Lower Upper

146 100

111 38.6 32.7 49.1

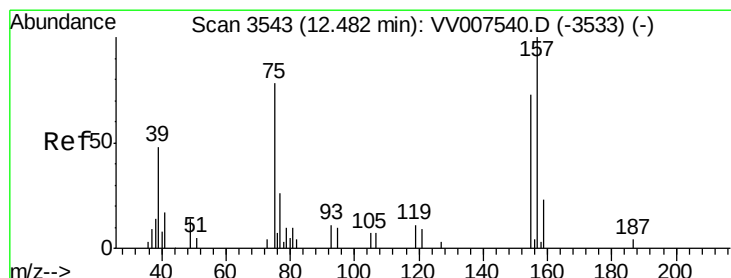
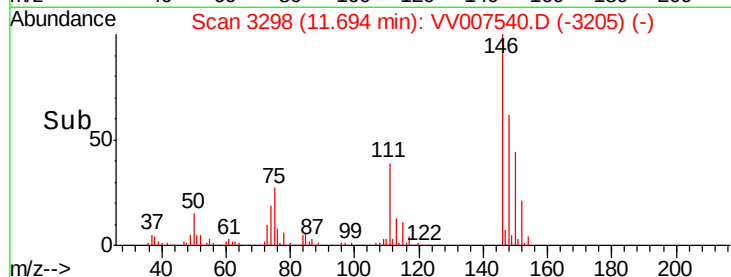
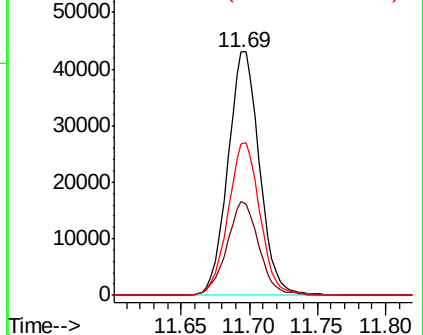
148 62.1 53.0 79.6



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: 5.271 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

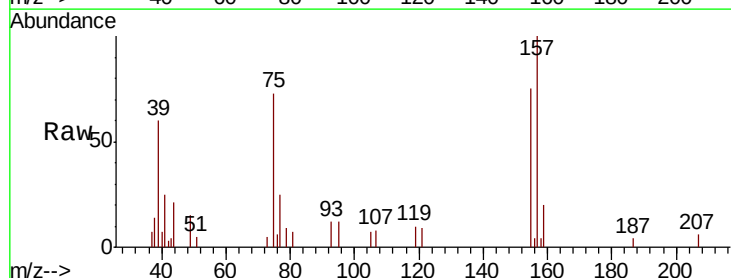
Tgt Ion: 75 Resp: 3380

Ion Ratio Lower Upper

75 100

155 103.6 74.6 111.8

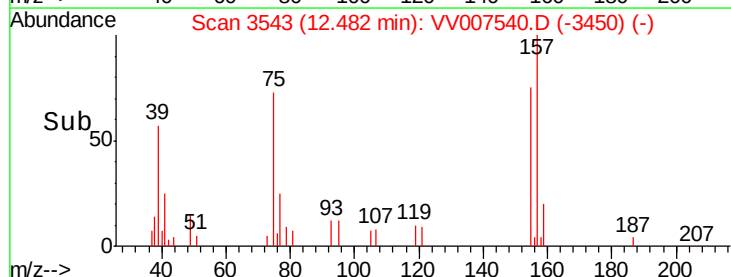
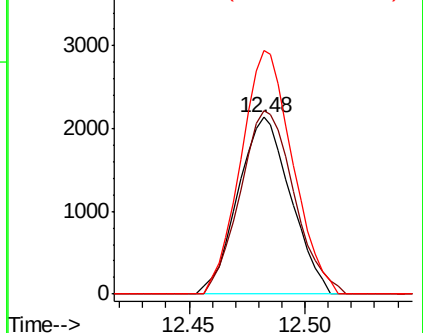
157 137.5 97.4 146.2

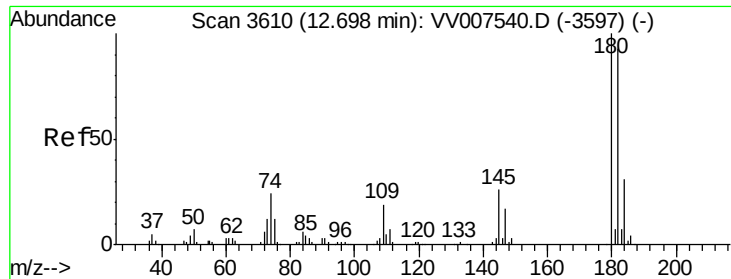


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

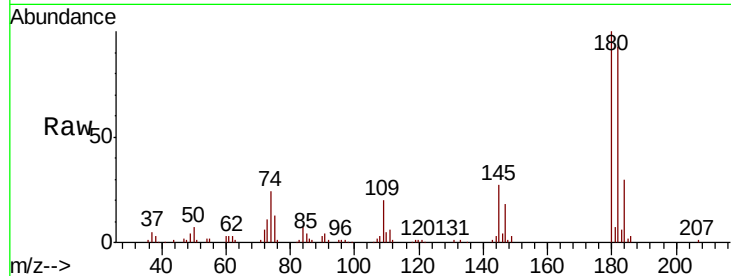




#67
 1,3,5-Trichlorobenzene
 Concen: 5.290 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.1	114.1
184	30.6	24.0	36.0
145	27.5	22.6	34.0



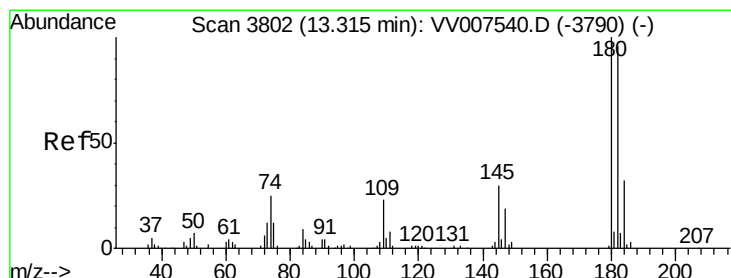
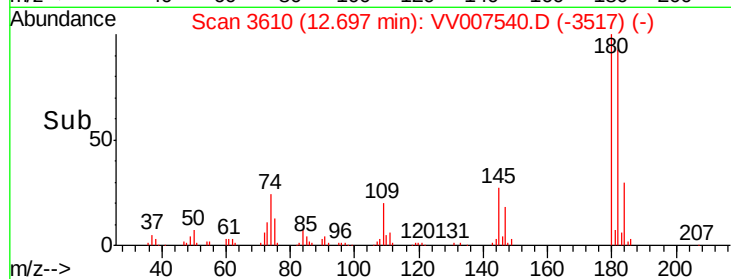
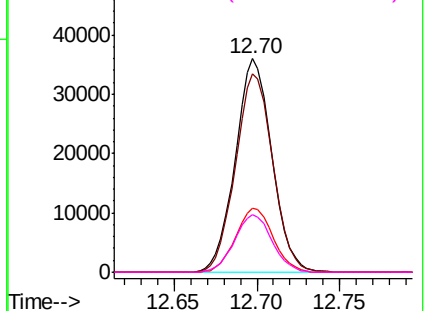
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

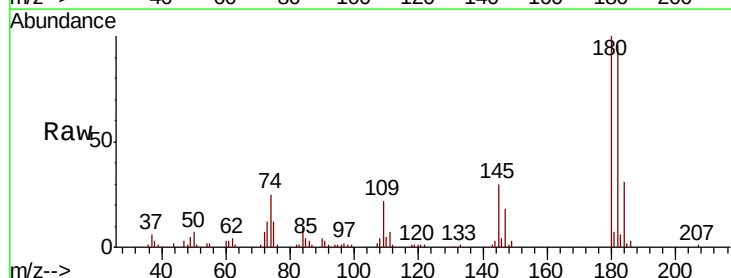
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.189 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007540.D
 Acq: 14 Sep 2018 22:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.8	116.8
145	28.7	22.5	33.7

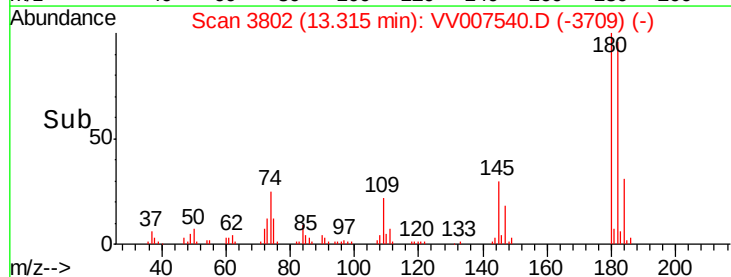
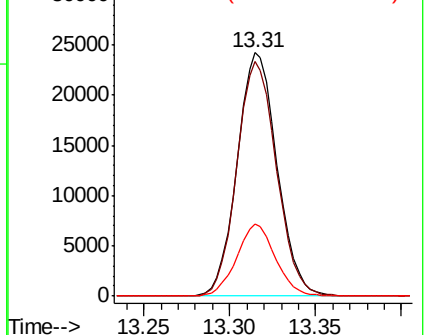


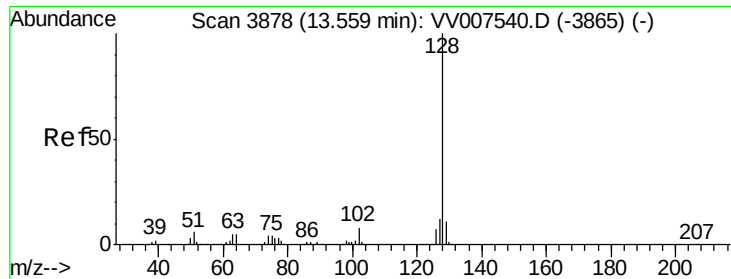
Abundance

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: 5.861 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

Instrument :

MSVOA_V

ClientSampleId :

BFB72

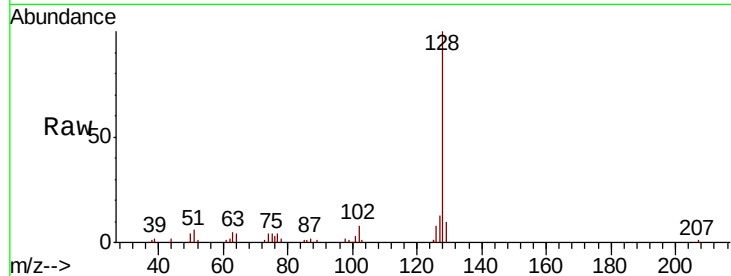
Tgt Ion:128 Resp: 53407

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

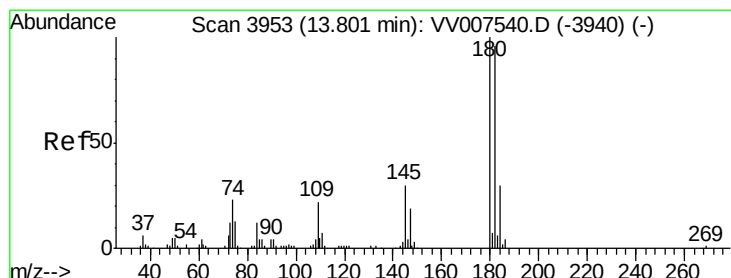
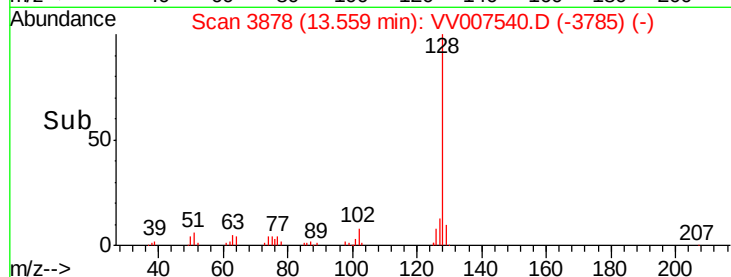
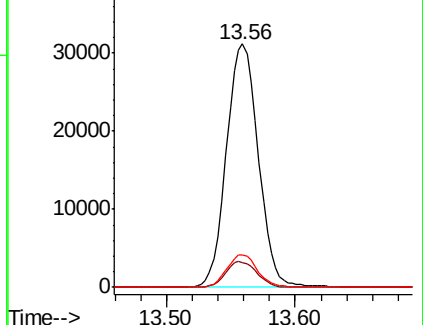
127 13.0 10.5 15.7



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: 5.284 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VV007540.D

Acq: 14 Sep 2018 22:27

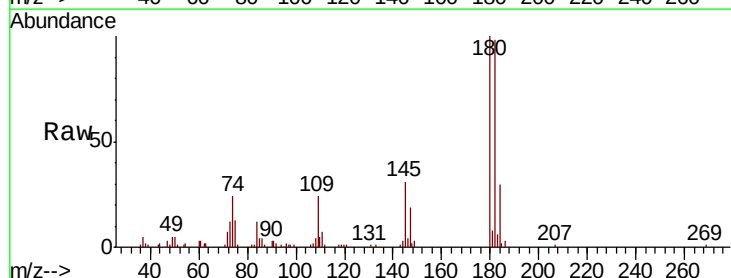
Tgt Ion:180 Resp: 36267

Ion Ratio Lower Upper

180 100

182 98.6 75.5 113.3

145 30.3 23.4 35.0



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

