

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082118\
 Data File : VV007100.D
 Acq On : 21 Aug 2018 14:48
 Operator : SY/MD
 Sample : VSTD0.569
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

Quant Time: Aug 22 02:23:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 22 02:22:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	319262	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	304430	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	123986	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11166	0.53	ug/L	0.00
7) Chloroethane-d5	1.58	69	9068	0.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	20957	0.53	ug/L	0.00
20) 2-Butanone-d5	3.98	46	24532	4.18	ug/L	0.00
24) Chloroform-d	4.40	84	21989	0.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	10505	0.49	ug/L	0.00
32) Benzene-d6	5.10	84	39208	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	13846	0.51	ug/L	0.00
41) Toluene-d8	7.36	98	32416	0.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4379	0.46	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	8576	2.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	9707	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	12449	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16124	0.532 ug/L	94
3) Chloromethane	1.25	50	18571	0.618 ug/L	99
5) Vinyl chloride	1.32	62	16221	0.534 ug/L	97
6) Bromomethane	1.54	94	5648	0.778 ug/L	94
8) Chloroethane	1.60	64	10459	0.566 ug/L	99
9) Trichlorofluoromethane	1.77	101	21663	0.555 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13753	0.582 ug/L	98
12) 1,1-Dichloroethene	2.14	96	13305	0.586 ug/L	88
13) Acetone	2.22	43	20692	6.813 ug/L	98
14) Carbon disulfide	2.32	76	37386	0.509 ug/L	97
15) Methyl Acetate	2.47	43	4432	0.522 ug/L	89
16) Methylene chloride	2.54	84	18531	0.676 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	30625	0.560 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	14274	0.585 ug/L	92
19) 1,1-Dichloroethane	3.23	63	24439	0.541 ug/L	97
21) 2-Butanone	4.06	43	36020	5.351 ug/L	81
22) cis-1,2-Dichloroethene	3.96	96	15094	0.545 ug/L	89
23) Bromochloromethane	4.31	128	6948	0.605 ug/L	79
25) Chloroform	4.43	83	27869	0.574 ug/L	98
27) 1,2-Dichloroethane	5.19	62	15419	0.515 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	22997	0.570 ug/L	98
30) Cyclohexane	4.72	56	18321	0.446 ug/L	98
31) Carbon tetrachloride	4.88	117	18360	0.543 ug/L	97
33) Benzene	5.15	78	55099	0.527 ug/L	100
34) Trichloroethene	5.96	95	13459	0.537 ug/L	94
35) Methylcyclohexane	6.18	83	18434	0.463 ug/L	97
37) 1,2-Dichloropropane	6.22	63	15033	0.525 ug/L	98
38) Bromodichloromethane	6.56	83	18108	0.554 ug/L	92
39) cis-1,3-Dichloropropene	7.08	75	15933	0.460 ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	64932	4.256 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082118\
 Data File : VV007100.D
 Acq On : 21 Aug 2018 14:48
 Operator : SY/MD
 Sample : VSTD0.569
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

Quant Time: Aug 22 02:23:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 22 02:22:58 2018
 Response via : Initial Calibration

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

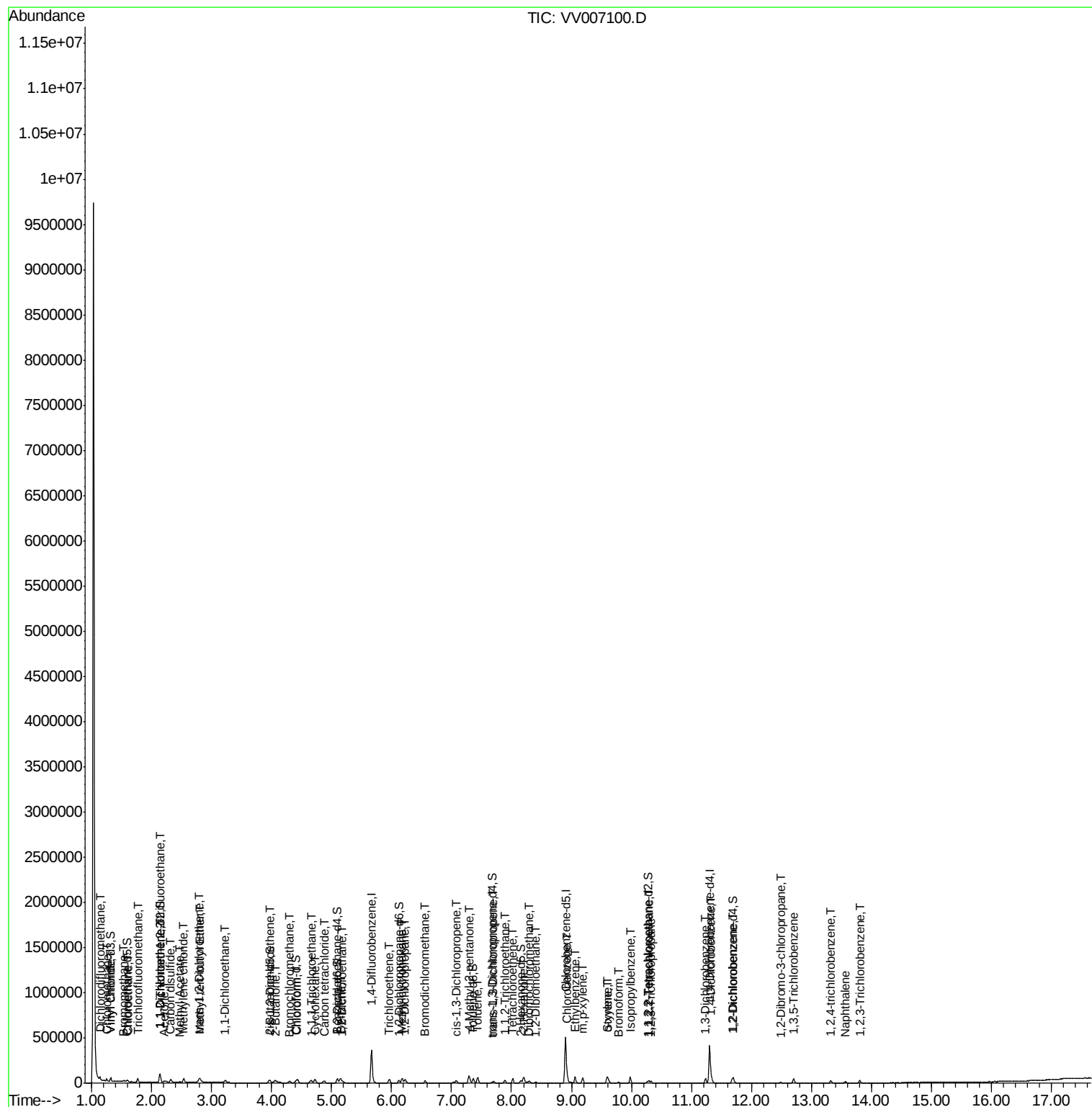
42) Toluene	7.44	91	46816	0.465	ug/L	93
44) trans-1,3-Dichloropropene	7.70	75	13737	0.483	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	9850	0.524	ug/L	95
47) Tetrachloroethene	8.02	164	11246	0.546	ug/L	95
48) 2-Hexanone	8.20	43	47651	4.371	ug/L	91
49) Dibromochloromethane	8.29	129	10841	0.547	ug/L	91
50) 1,2-Dibromoethane	8.40	107	8111	0.511	ug/L #	92
51) Chlorobenzene	8.93	112	34724	0.537	ug/L	100
52) Ethylbenzene	9.06	91	45359	0.452	ug/L	99
53) m,p-xylene	9.19	106	16606	0.442	ug/L	97
54) o-xylene	9.59	106	16147	0.453	ug/L	98
55) Styrene	9.61	104	25247	0.420	ug/L	97
56) Isopropylbenzene	9.98	105	42313	0.454	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	11984	0.528	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	8814	0.549	ug/L	94
61) Bromoform	9.78	173	5883	0.620	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	22663	0.564	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	25098	0.610	ug/L	96
65) 1,2-Dichlorobenzene	11.70	146	22935	0.577	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	1214	0.443	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	16267	0.539	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	9695	0.442	ug/L	97
69) Naphthalene	13.56	128	13356	0.428	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	9433	0.443	ug/L	97

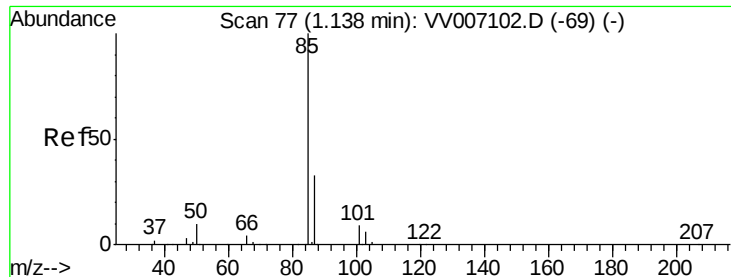
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082118\
 Data File : VV007100.D
 Acq On : 21 Aug 2018 14:48
 Operator : SY/MD
 Sample : VSTD0.569
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

Quant Time: Aug 22 02:23:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 22 02:22:58 2018
 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.532 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

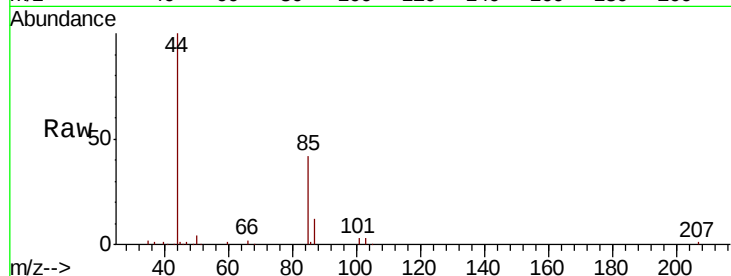
VSTD0.569

Tgt Ion: 85 Resp: 16124

Ion Ratio Lower Upper

85 100

87 30.3 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VV007102.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007102.D (-69) (-)

1.14

20000

15000

10000

5000

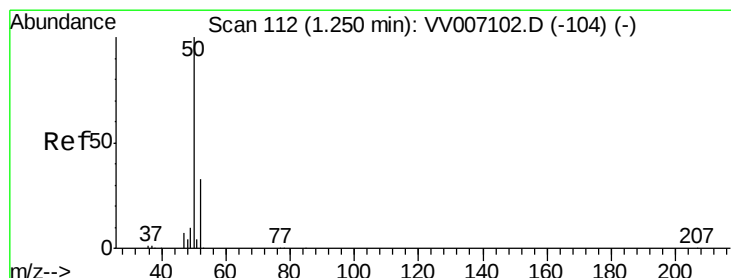
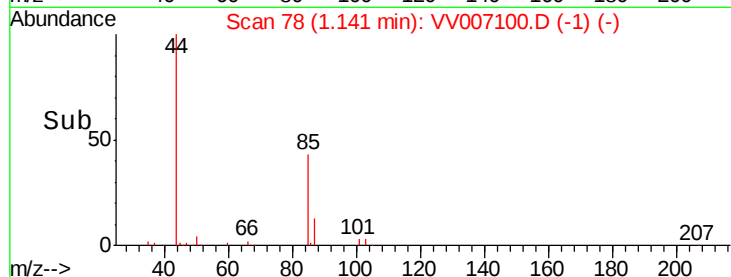
0

Time-->

1.10

1.15

1.20



#3

Chloromethane

Concen: 0.618 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007100.D

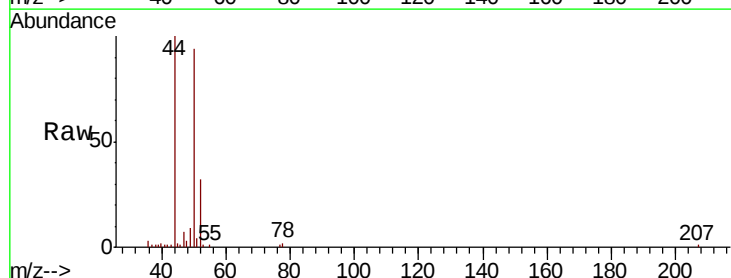
Acq: 21 Aug 2018 14:48

Tgt Ion: 50 Resp: 18571

Ion Ratio Lower Upper

50 100

52 33.6 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV007102.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV007102.D (-104) (-)

1.25

20000

15000

10000

5000

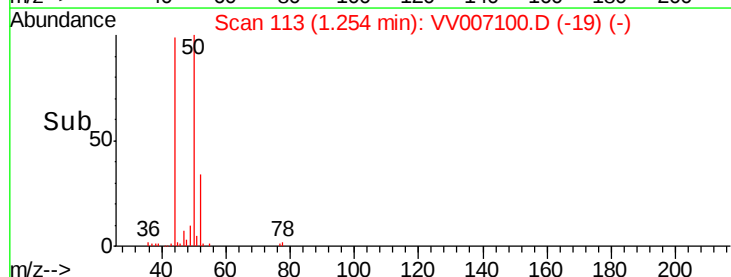
0

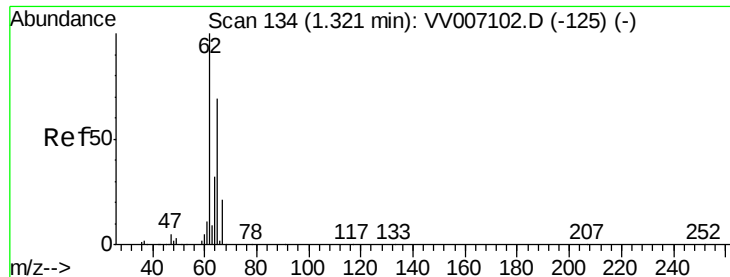
Time-->

1.20

1.25

1.30





#5

Vinyl chloride

Concen: 0.534 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

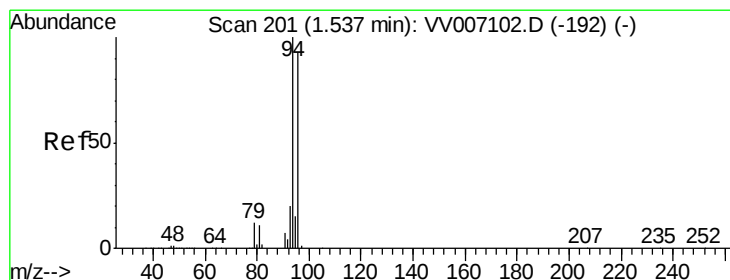
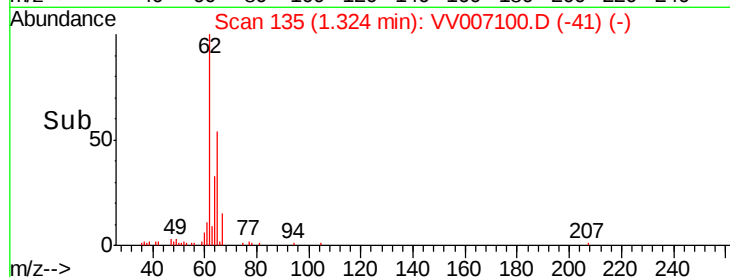
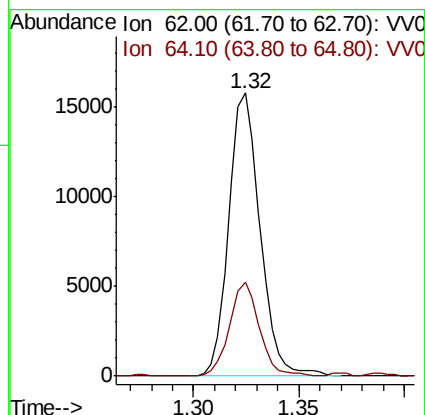
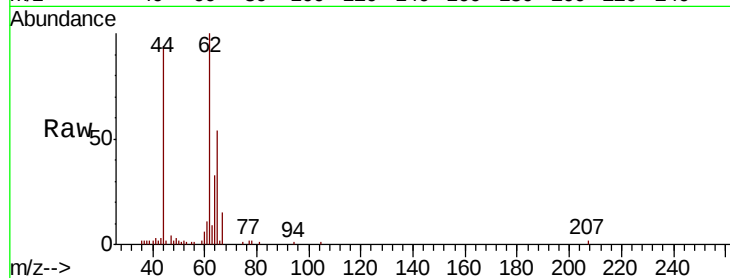
VSTD0.569

Tgt Ion: 62 Resp: 16221

Ion Ratio Lower Upper

62 100

64 33.1 22.0 41.0



#6

Bromomethane

Concen: 0.778 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007100.D

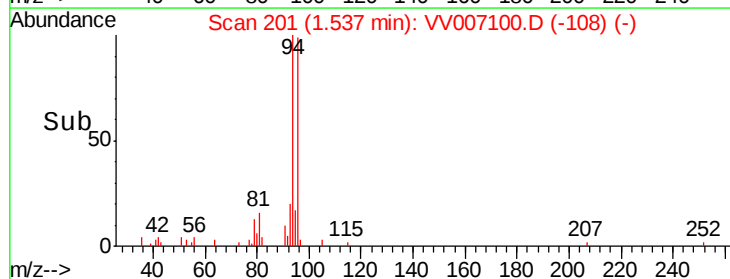
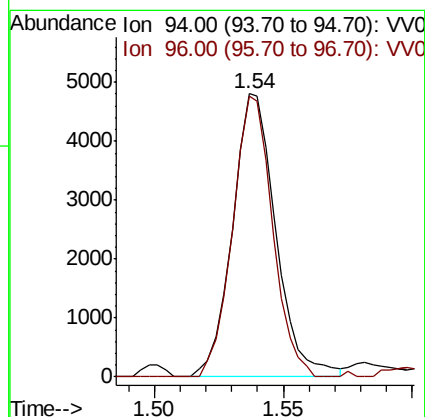
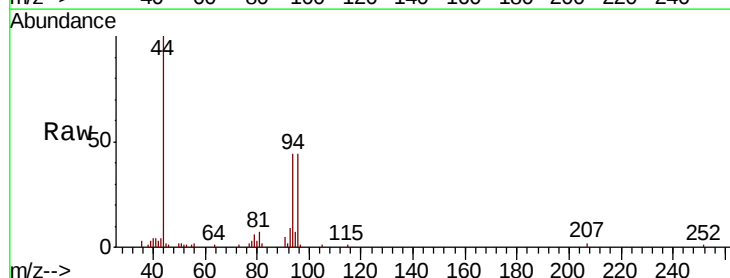
Acq: 21 Aug 2018 14:48

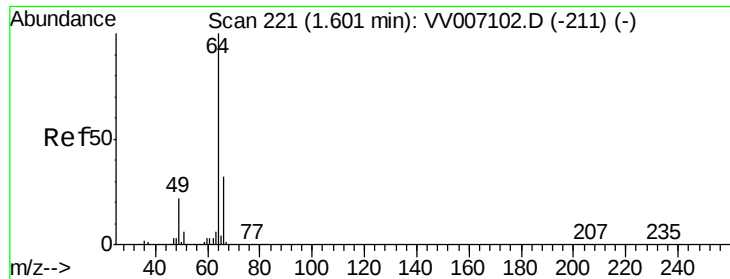
Tgt Ion: 94 Resp: 5648

Ion Ratio Lower Upper

94 100

96 99.3 65.5 121.6





#8

Chloroethane

Concen: 0.566 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

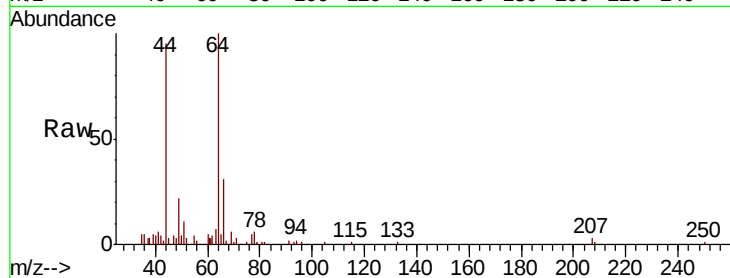
VSTD0.569

Tgt Ion: 64 Resp: 10459

Ion Ratio Lower Upper

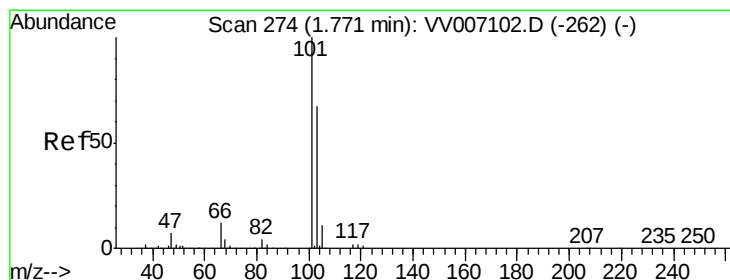
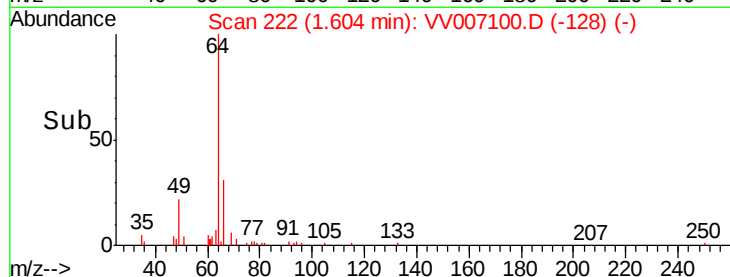
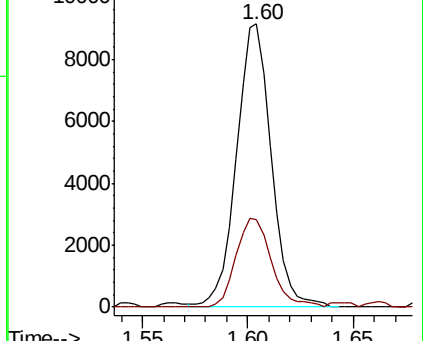
64 100

66 31.0 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VV007100.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV007100.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 0.555 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007100.D

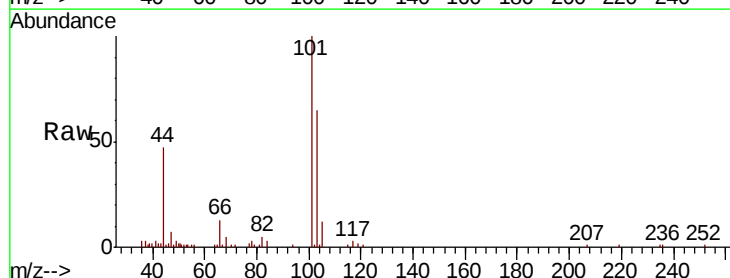
Acq: 21 Aug 2018 14:48

Tgt Ion: 101 Resp: 21663

Ion Ratio Lower Upper

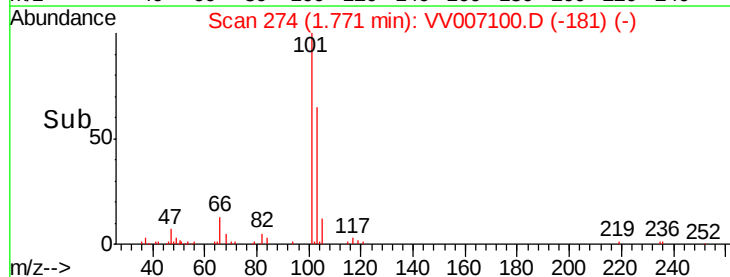
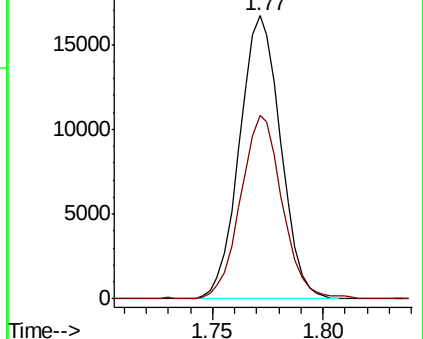
101 100

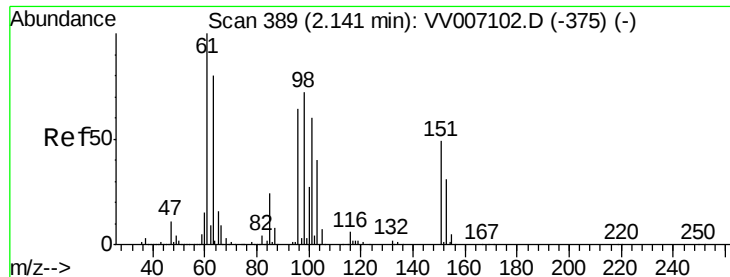
103 65.6 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV007100.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV007100.D (-181) (-)





#10

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

Concen: 0.582 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.569

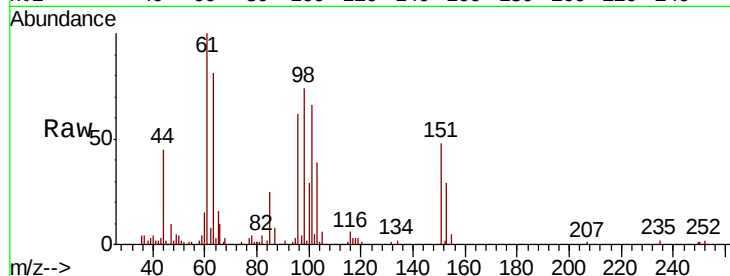
Tgt Ion: 101 Resp: 13753

Ion Ratio Lower Upper

101 100

85 41.5 31.9 47.9

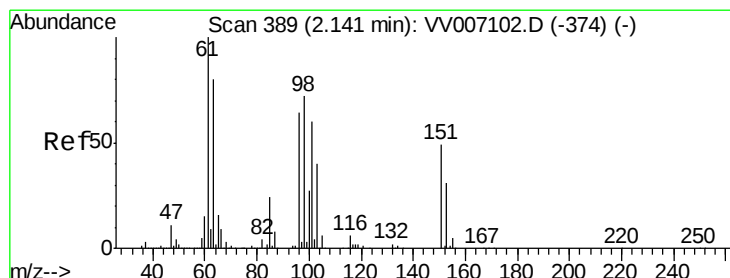
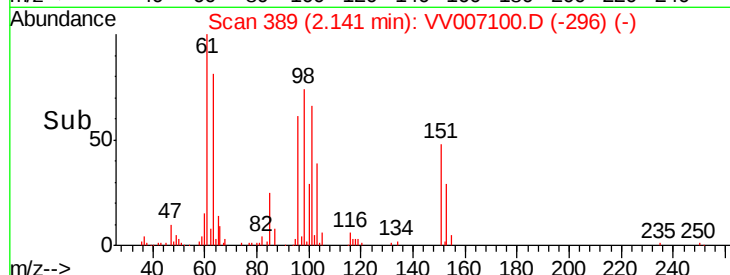
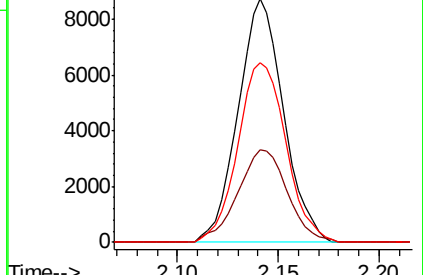
151 78.3 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV007102.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV007102.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV007102.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 0.586 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

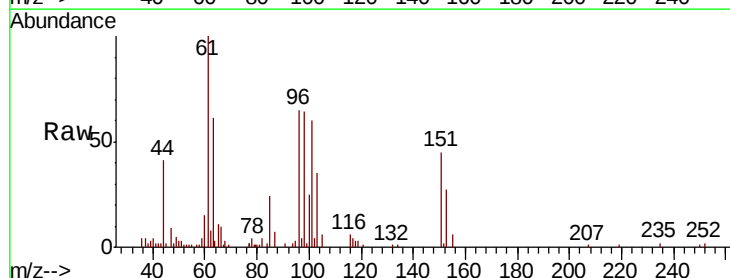
Tgt Ion: 96 Resp: 13305

Ion Ratio Lower Upper

96 100

61 154.7 108.7 201.9

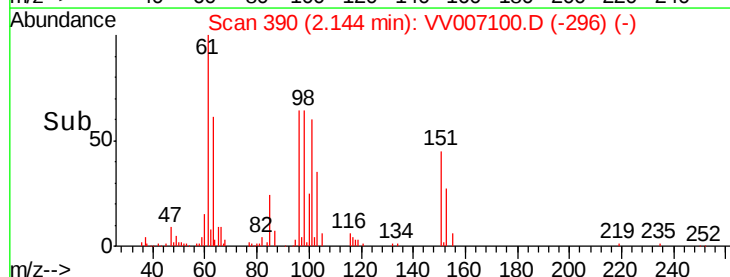
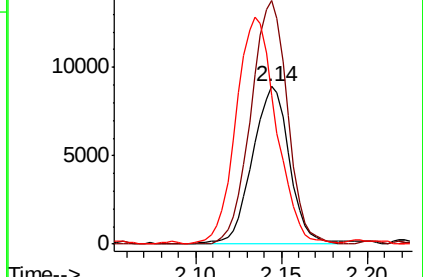
63 94.3 87.4 162.4

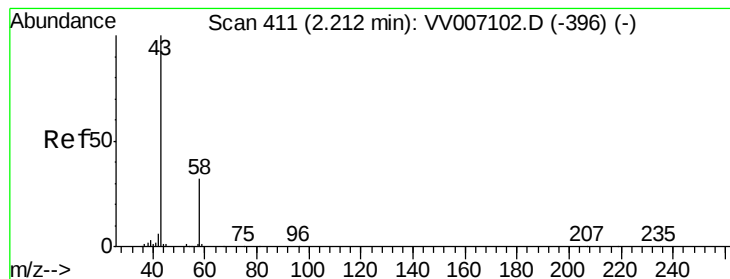


Abundance Ion 96.00 (95.70 to 96.70): VV007100.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VV007100.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VV007100.D (-296) (-)





#13

Acetone

Concen: 6.813 ug/L

RT: 2.22 min Scan# 413

Delta R.T. 0.01 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

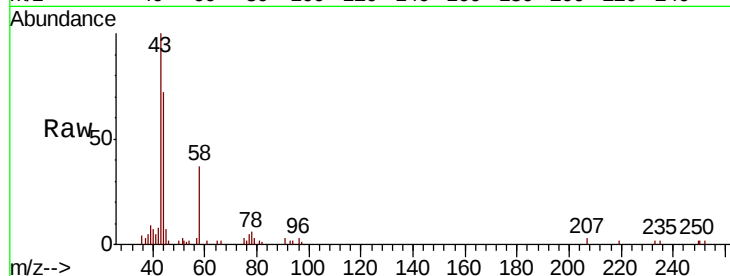
VSTD0.569

Tgt Ion: 43 Resp: 20692

Ion Ratio Lower Upper

43 100

58 39.6 0.0 82.2



Abundance Ion 43.05 (42.75 to 43.75): VV007102.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007102.D (-396) (-)

8000

6000

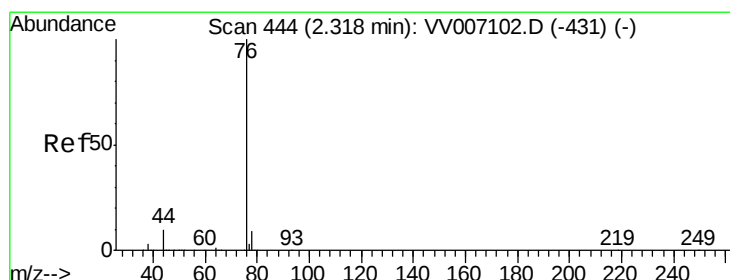
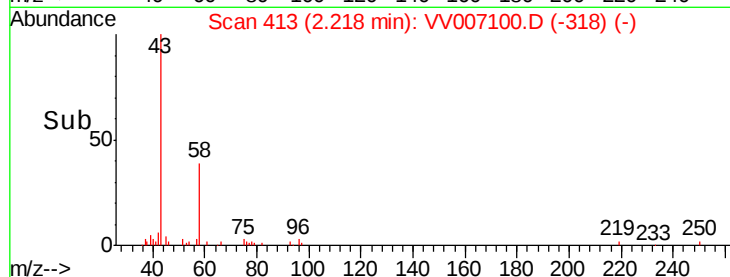
4000

2000

0

2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 0.509 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007100.D

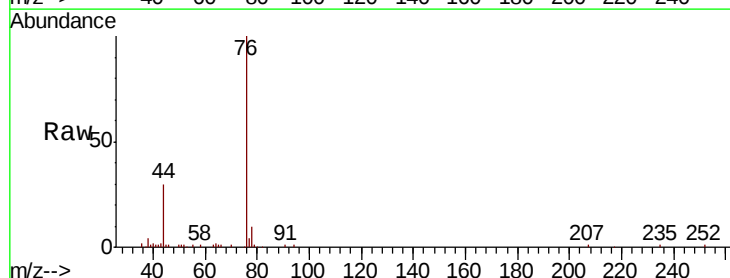
Acq: 21 Aug 2018 14:48

Tgt Ion: 76 Resp: 37386

Ion Ratio Lower Upper

76 100

78 10.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007102.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007102.D (-431) (-)

30000

25000

20000

15000

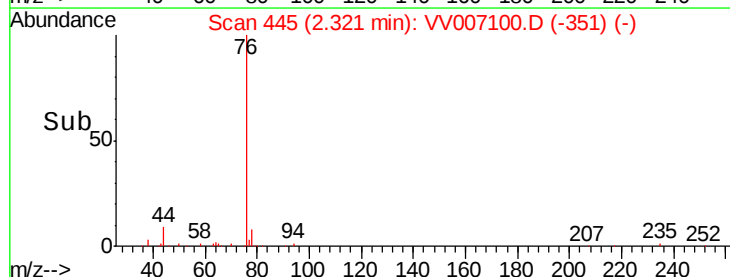
10000

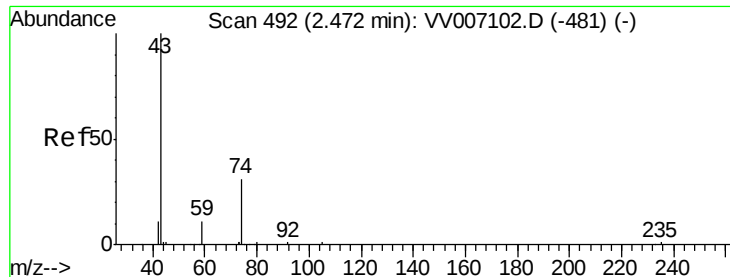
5000

0

2.25 2.30 2.35 2.40

Time-->

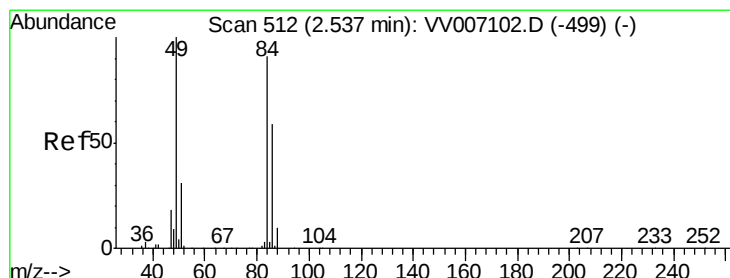
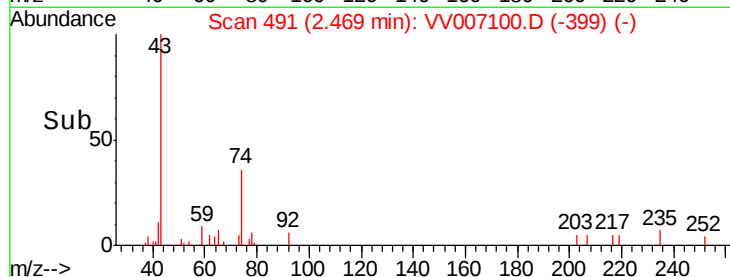
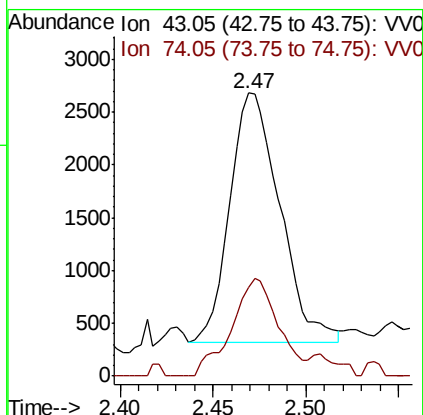
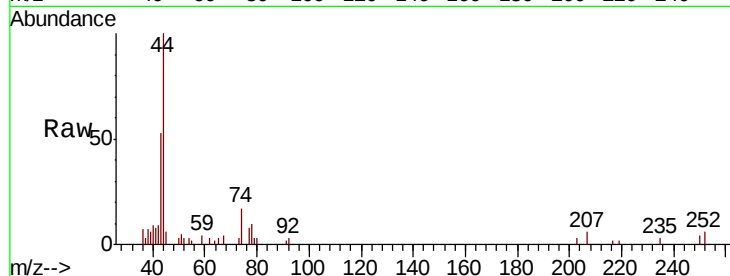




#15
Methyl Acetate
Concen: 0.522 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

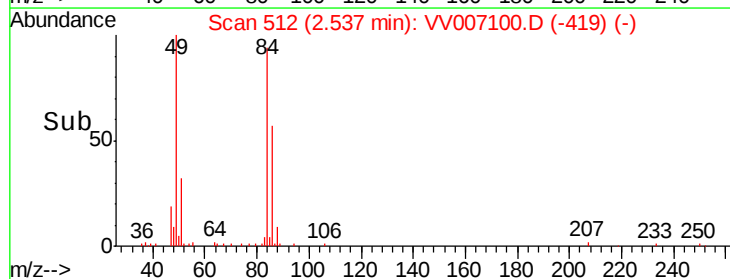
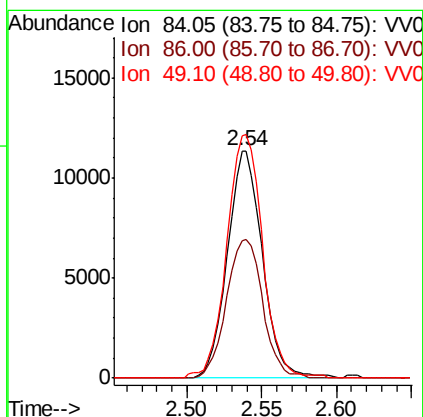
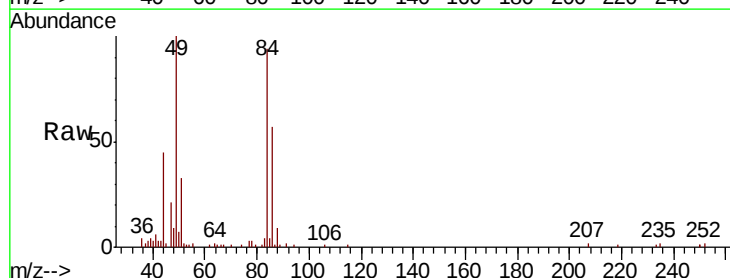
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

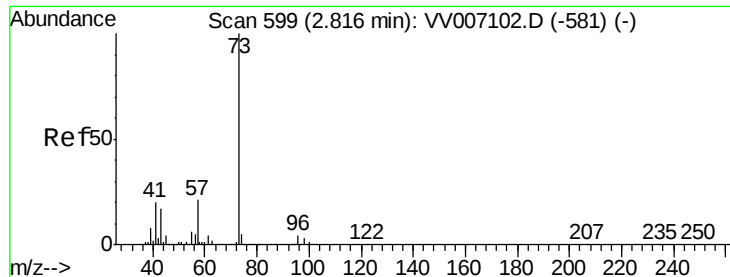
Tgt Ion: 43 Resp: 4432
Ion Ratio Lower Upper
43 100
74 37.1 25.0 37.6



#16
Methylene chloride
Concen: 0.676 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

Tgt Ion: 84 Resp: 18531
Ion Ratio Lower Upper
84 100
86 60.6 44.9 83.5
49 106.7 76.6 142.3





#17

Methyl tert-butyl Ether

Concen: 0.560 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.569

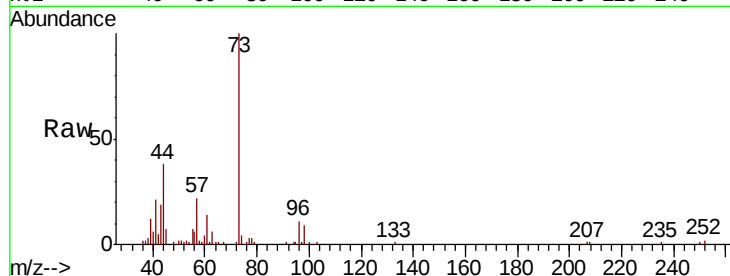
Tgt Ion: 73 Resp: 30625

Ion Ratio Lower Upper

73 100

43 17.4 14.0 21.0

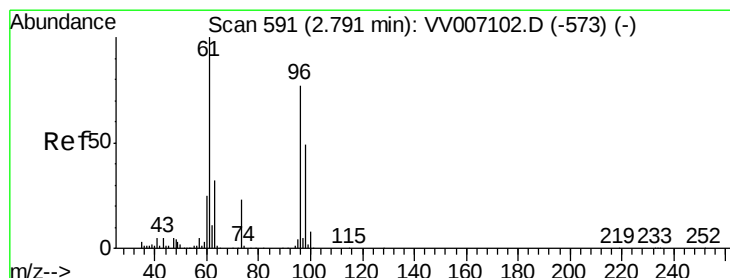
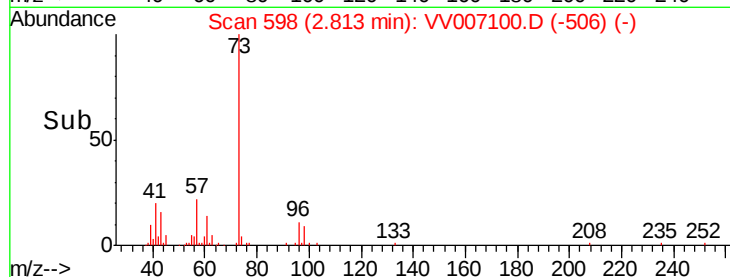
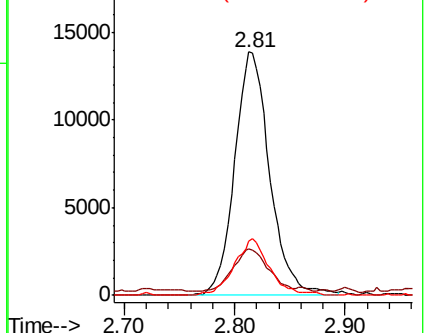
57 22.8 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV007100.D (-581) (-)

Ion 43.05 (42.75 to 43.75): VV007100.D (-581) (-)

Ion 57.10 (56.80 to 57.80): VV007100.D (-581) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.585 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

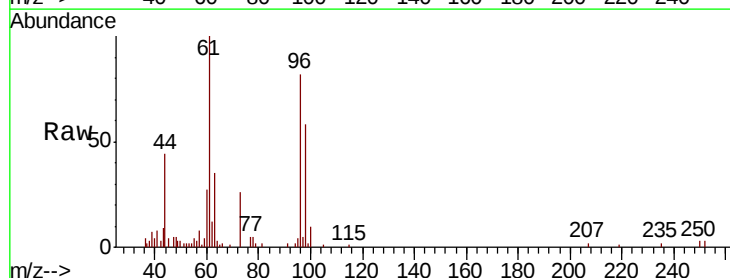
Tgt Ion: 96 Resp: 14274

Ion Ratio Lower Upper

96 100

61 121.4 91.4 169.8

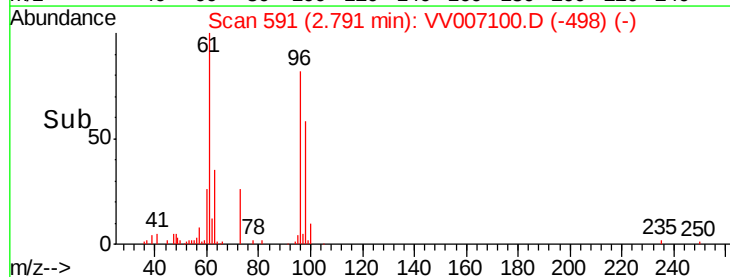
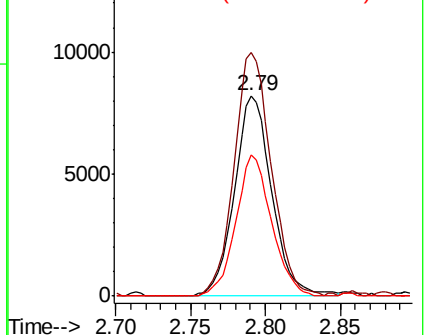
98 70.1 44.7 83.1

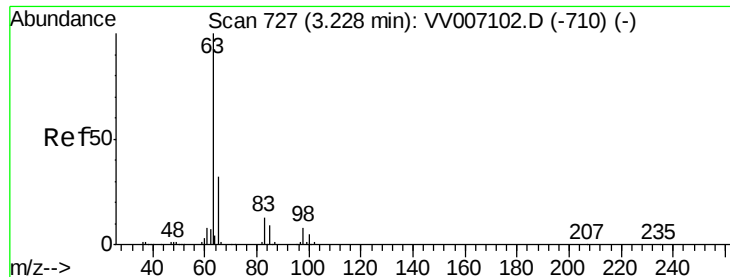


Abundance Ion 96.00 (95.70 to 96.70): VV007100.D (-573) (-)

Ion 61.05 (60.75 to 61.75): VV007100.D (-573) (-)

Ion 97.95 (97.65 to 98.65): VV007100.D (-573) (-)

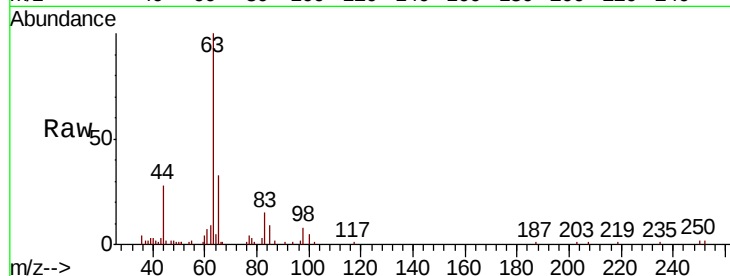




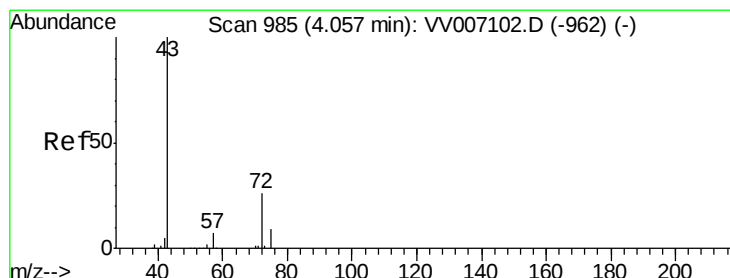
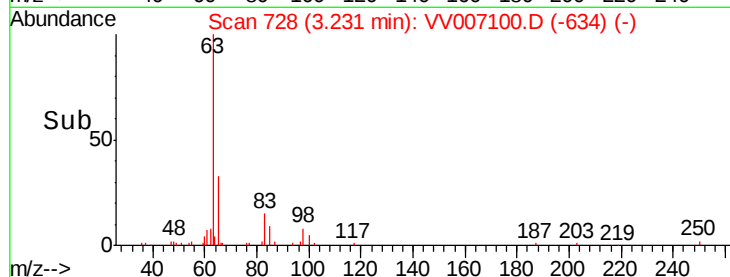
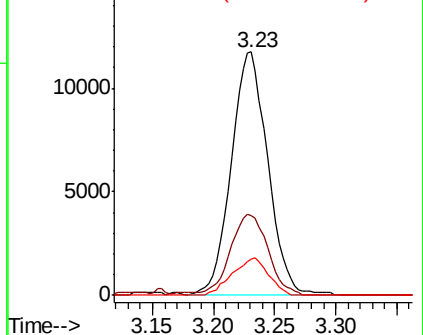
#19
 1,1-Dichloroethane
 Concen: 0.541 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

Tgt Ion: 63 Resp: 24439
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.5 41.9
 83 14.9 8.8 16.3

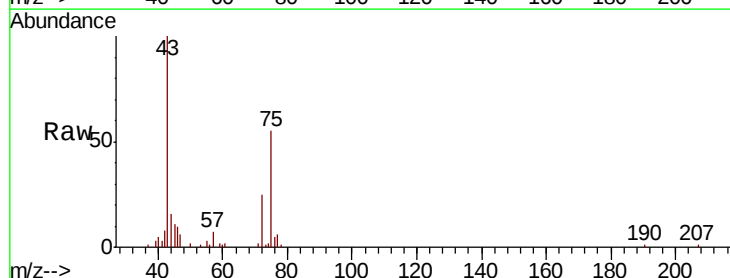


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

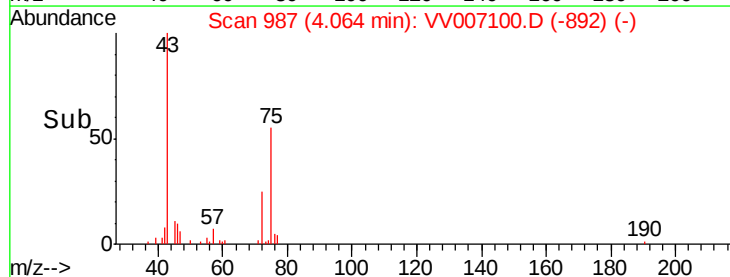
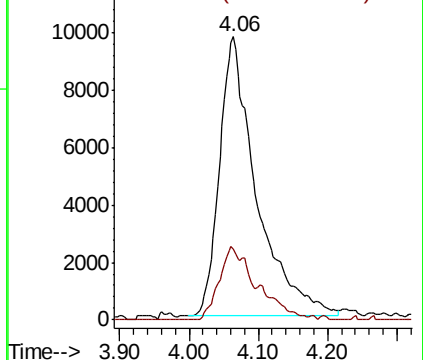


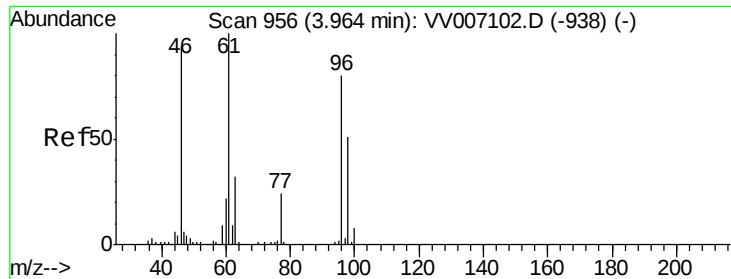
#21
 2-Butanone
 Concen: 5.351 ug/L
 RT: 4.06 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

Tgt Ion: 43 Resp: 36020
 Ion Ratio Lower Upper
 43 100
 72 13.9 11.5 34.5



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



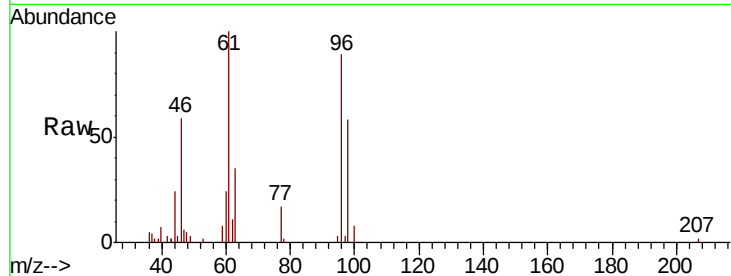


#22

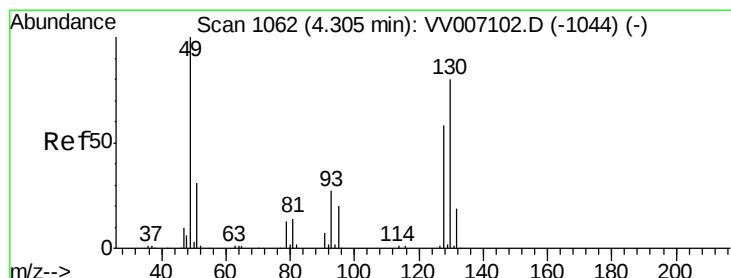
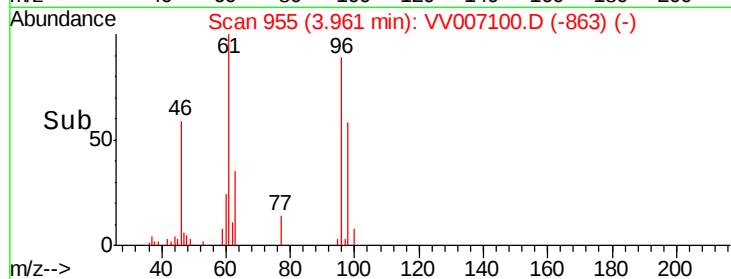
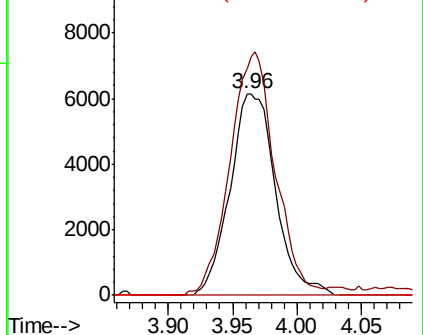
cis-1,2-Dichloroethene
Concen: 0.545 ug/L
RT: 3.96 min Scan# 955
Delta R.T. -0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

Tgt Ion: 96 Resp: 15094
Ion Ratio Lower Upper
96 100
61 112.8 87.7 162.9
68 0.0 0.0 0.0



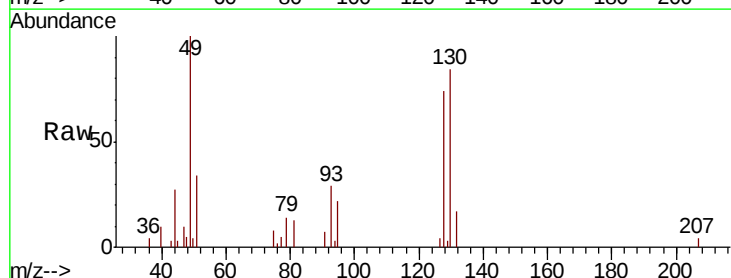
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



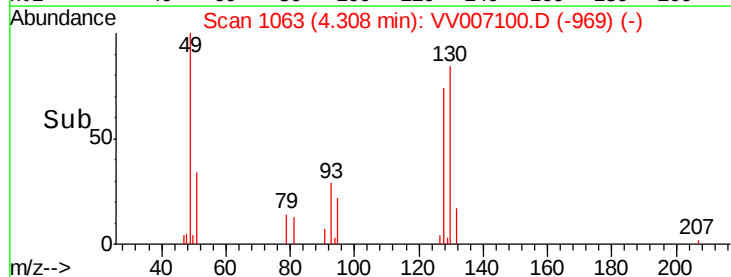
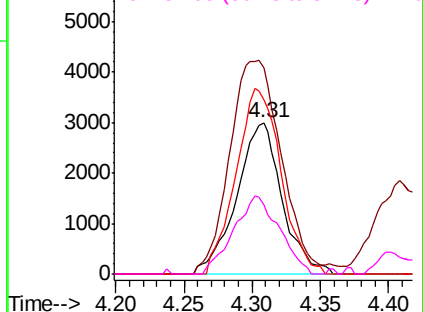
#23

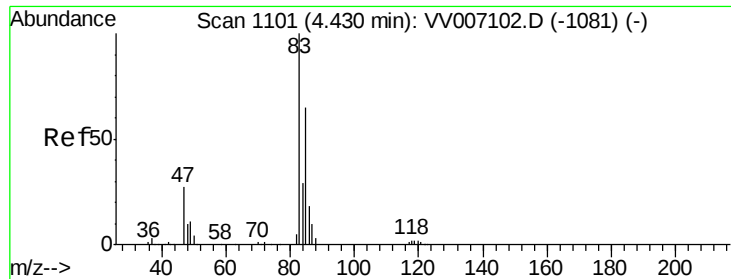
Bromochloromethane
Concen: 0.605 ug/L
RT: 4.31 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

Tgt Ion: 128 Resp: 6948
Ion Ratio Lower Upper
128 100
49 135.9 120.0 222.8
130 114.6 96.0 178.4
51 45.7 42.6 63.8



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

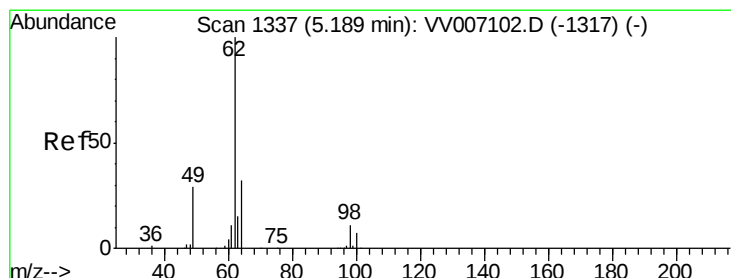
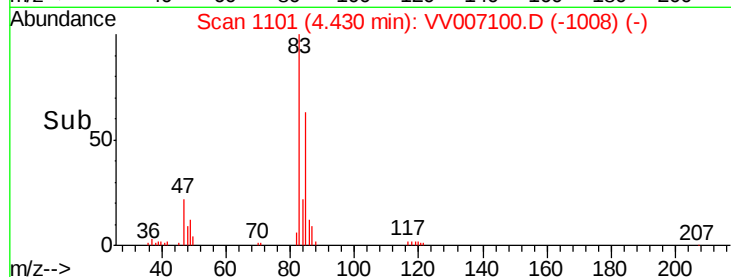
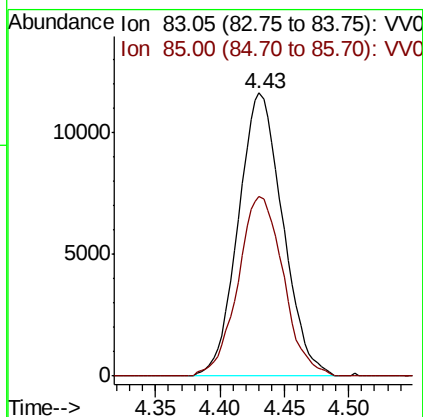
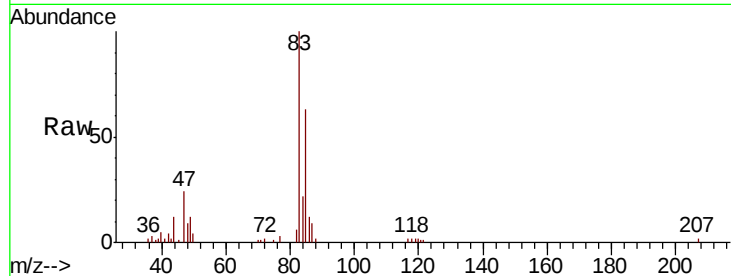




#25
Chloroform
Concen: 0.574 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

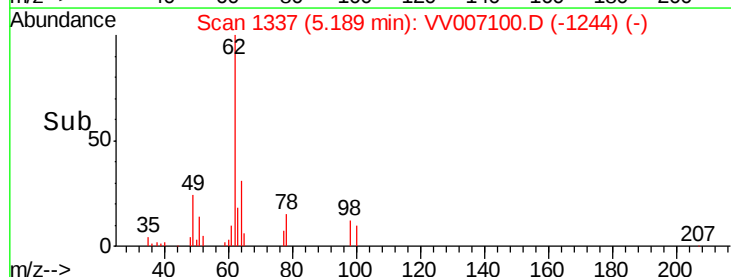
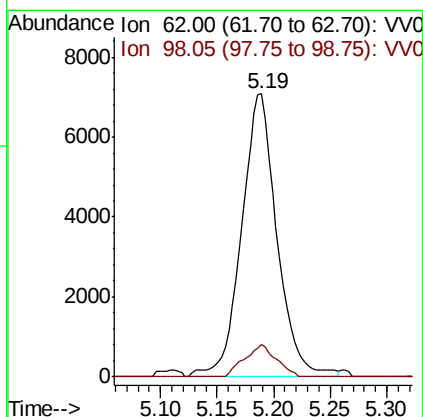
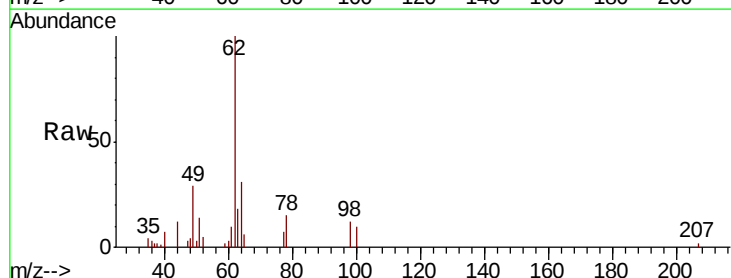
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

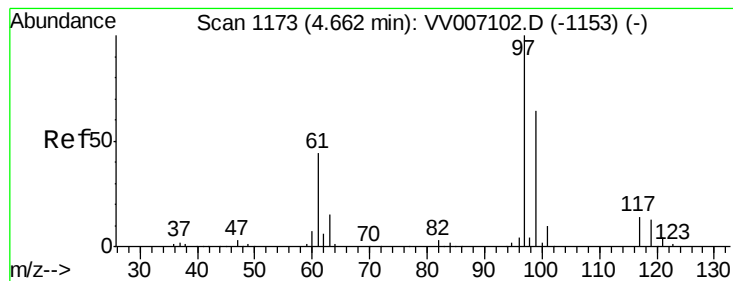
Tgt Ion: 83 Resp: 27869
Ion Ratio Lower Upper
83 100
85 63.4 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.515 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

Tgt Ion: 62 Resp: 15419
Ion Ratio Lower Upper
62 100
98 11.7 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 0.570 ug/L

RT: 4.66 min Scan# 1171

Delta R.T. -0.01 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampled :

VSTD0.569

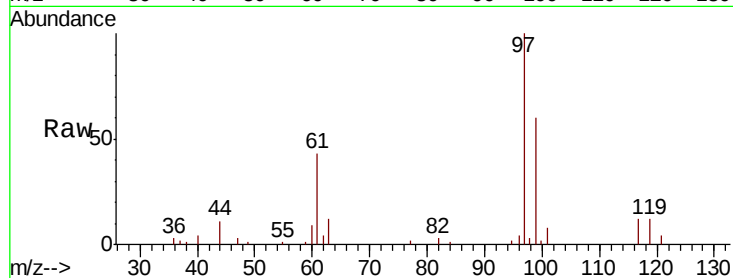
Tgt Ion: 97 Resp: 22997

Ion Ratio Lower Upper

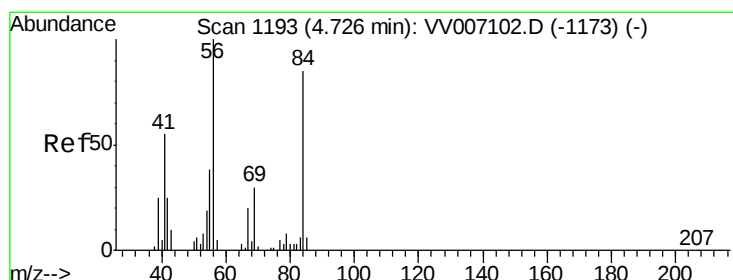
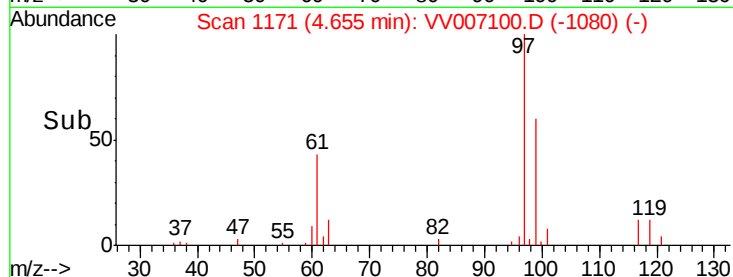
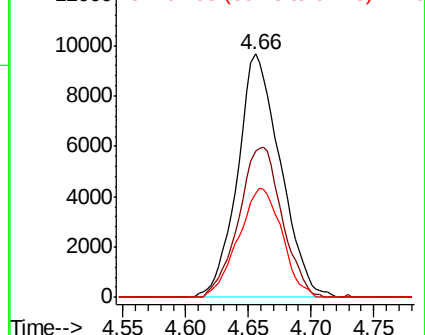
97 100

99 62.2 51.3 76.9

61 45.3 35.3 52.9



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: 0.446 ug/L

RT: 4.72 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

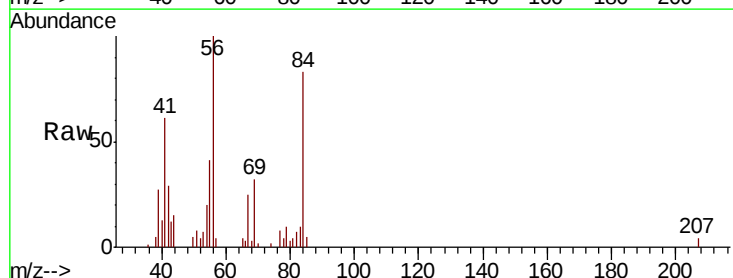
Tgt Ion: 56 Resp: 18321

Ion Ratio Lower Upper

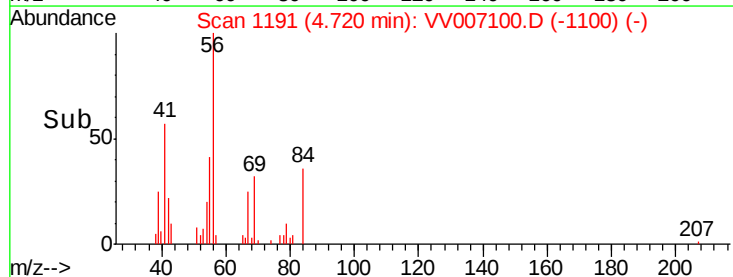
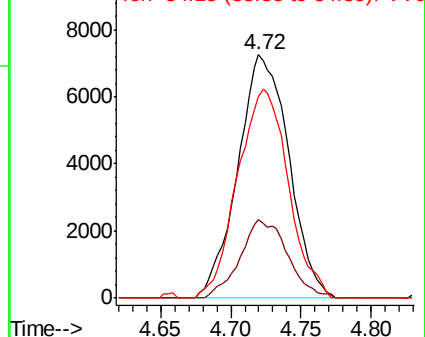
56 100

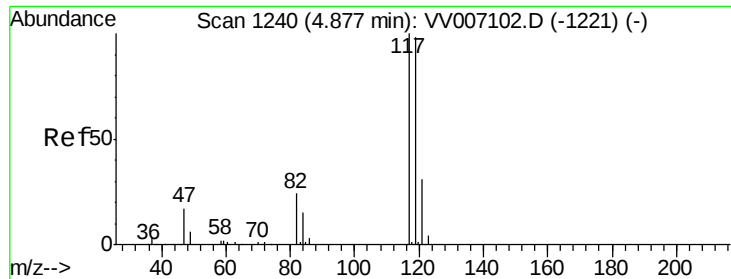
69 30.0 24.3 36.5

84 85.3 69.8 104.6



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

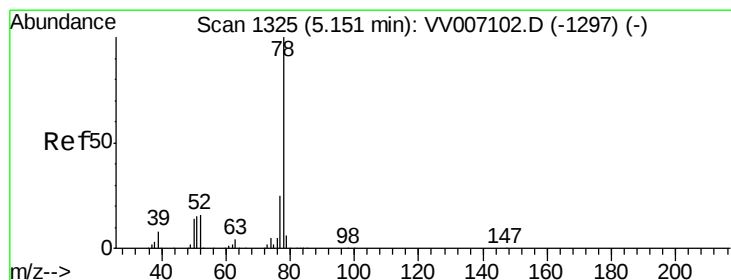
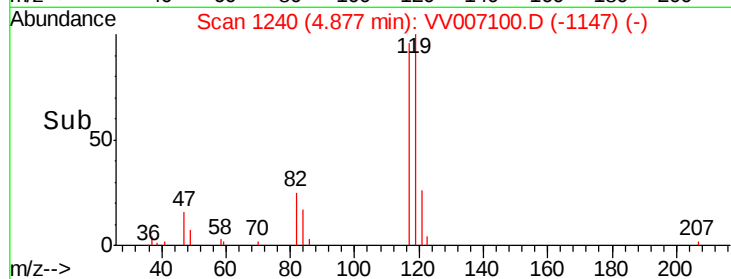
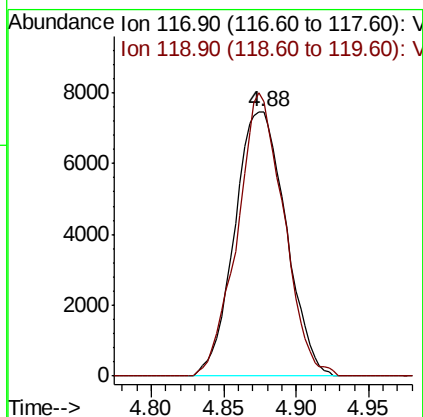
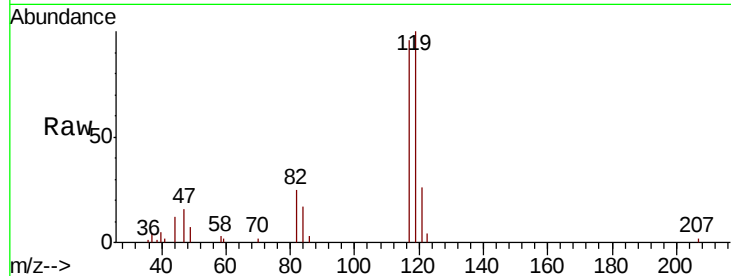




#31
Carbon tetrachloride
Concen: 0.543 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

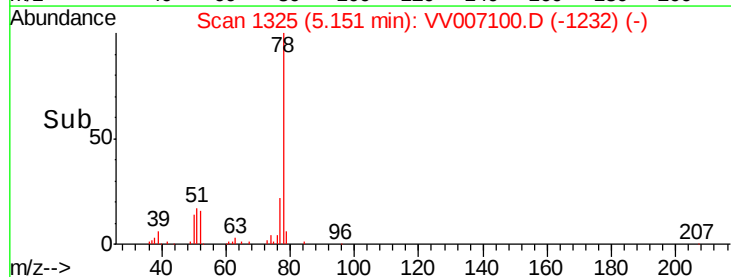
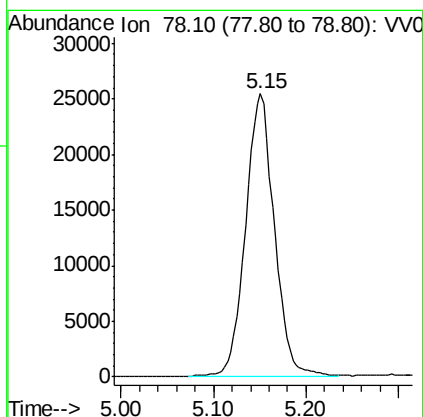
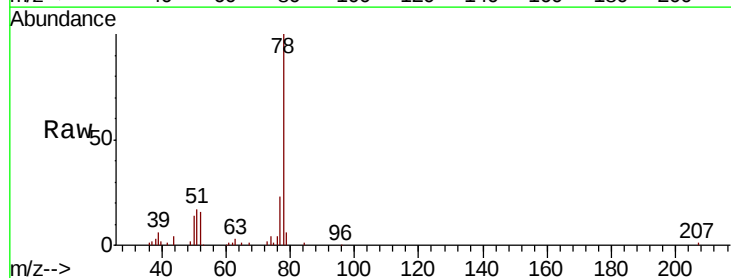
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

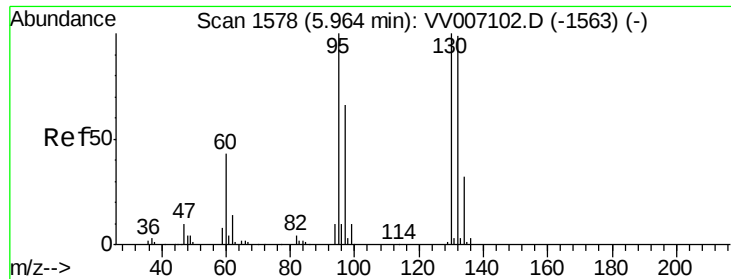
Tgt Ion:117 Resp: 18360
Ion Ratio Lower Upper
117 100
119 96.6 75.0 112.4



#33
Benzene
Concen: 0.527 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

Tgt Ion: 78 Resp: 55099





#34

Trichloroethene

Concen: 0.537 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.569

Tgt Ion: 95 Resp: 13459

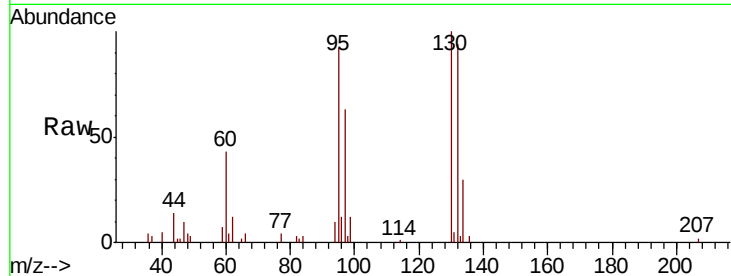
Ion Ratio Lower Upper

95 100

97 68.3 46.0 85.4

132 102.5 69.2 128.4

130 108.5 69.7 129.4

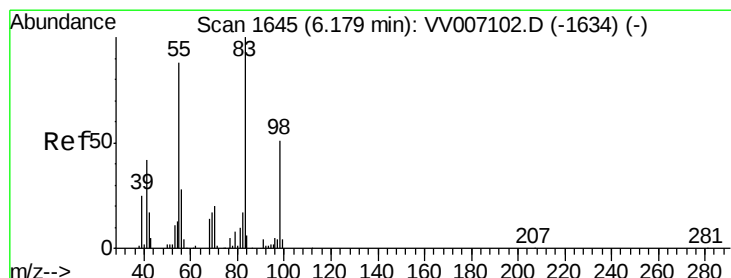
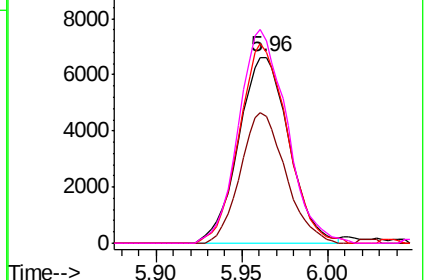
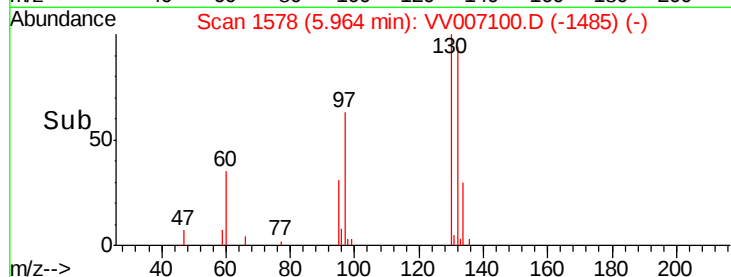


Abundance Ion 95.00 (94.70 to 95.70): VV007100.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV007100.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV007100.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV007100.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.463 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

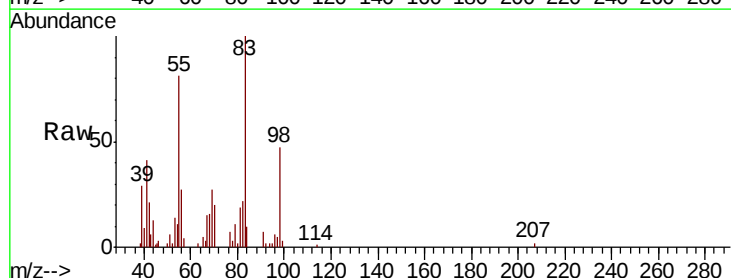
Tgt Ion: 83 Resp: 18434

Ion Ratio Lower Upper

83 100

55 84.7 65.5 98.3

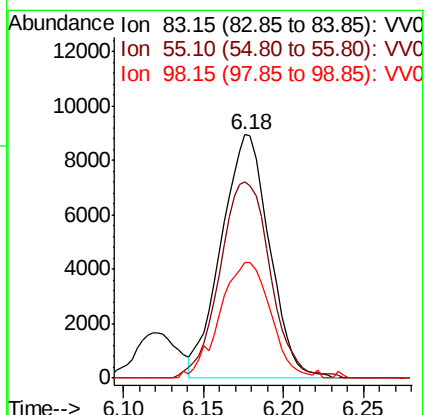
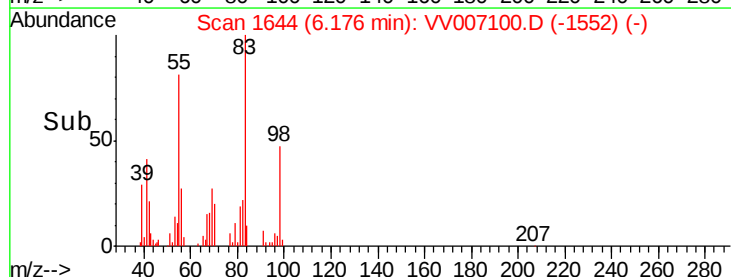
98 50.3 38.5 57.7

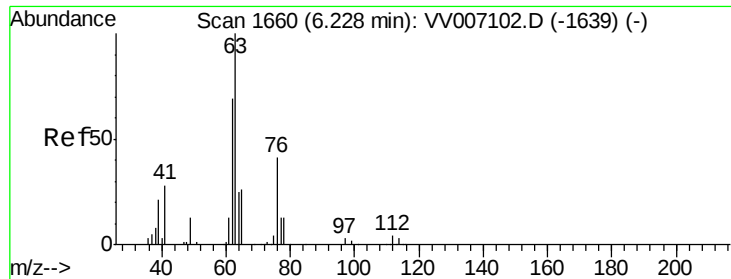


Abundance Ion 83.15 (82.85 to 83.85): VV007100.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV007100.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV007100.D (-1552) (-)

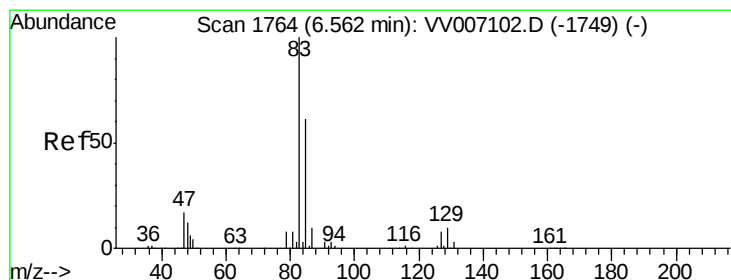
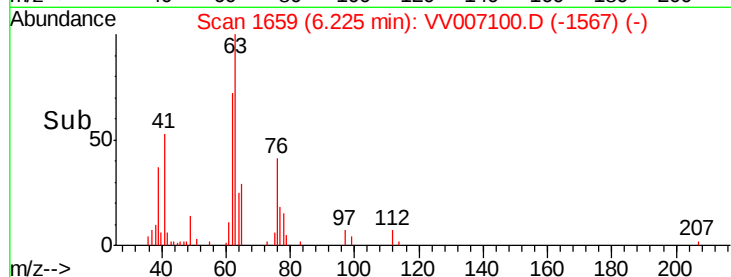
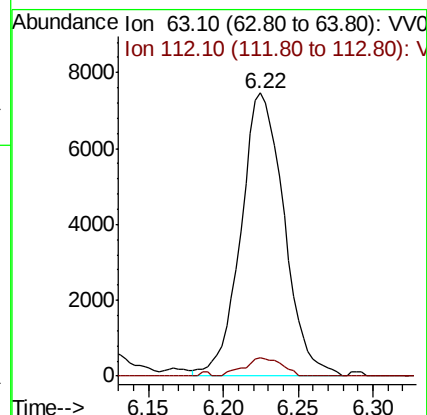
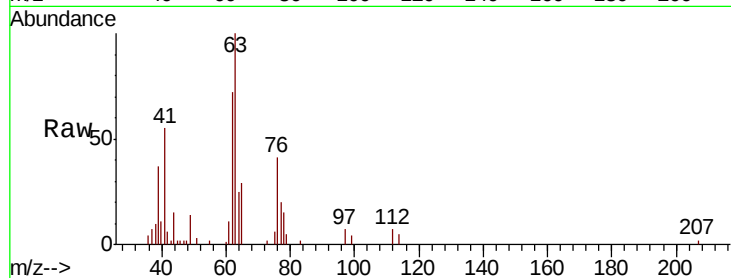




#37
 1,2-Dichloropropane
 Concen: 0.525 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

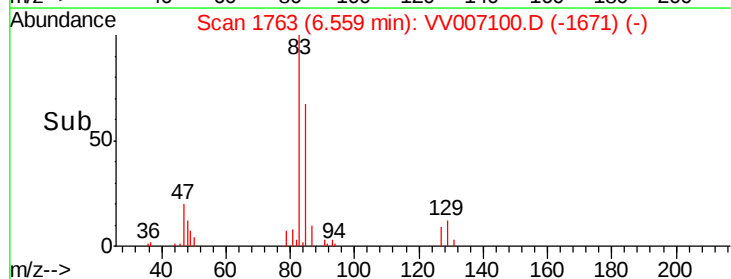
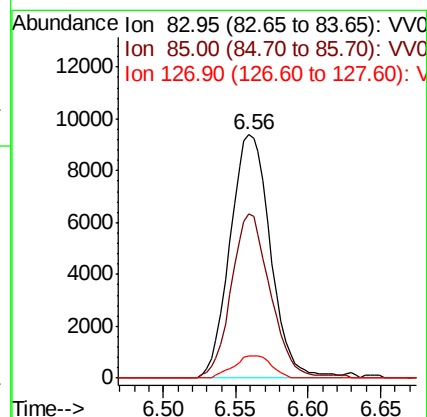
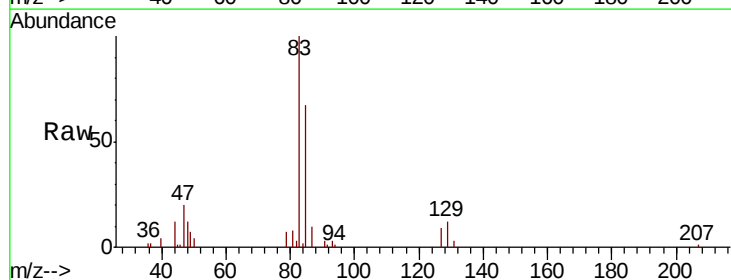
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

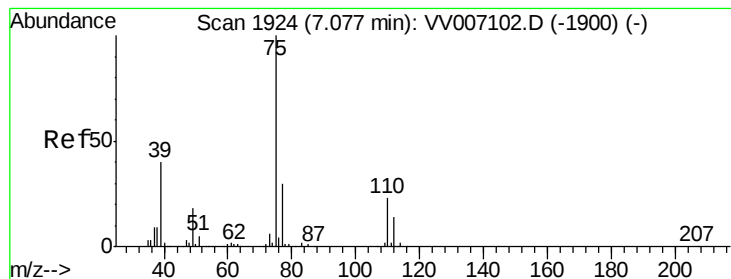
Tgt Ion: 63 Resp: 15033
 Ion Ratio Lower Upper
 63 100
 112 5.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 0.554 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

Tgt Ion: 83 Resp: 18108
 Ion Ratio Lower Upper
 83 100
 85 67.4 42.8 79.4
 127 9.0 6.6 10.0



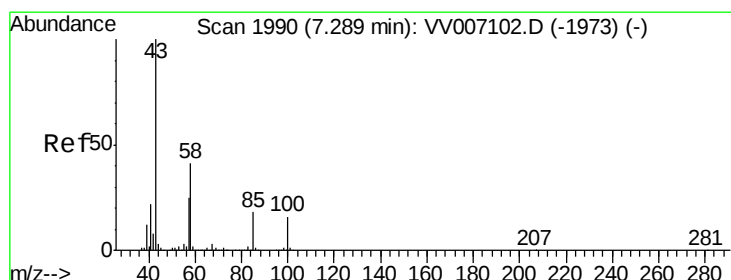
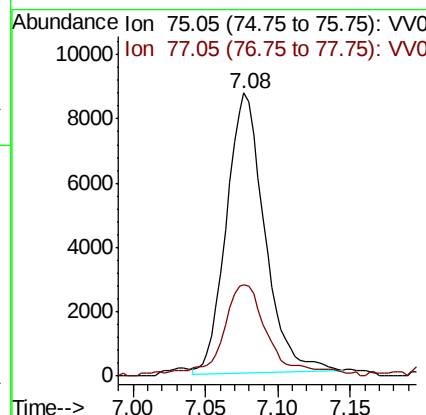
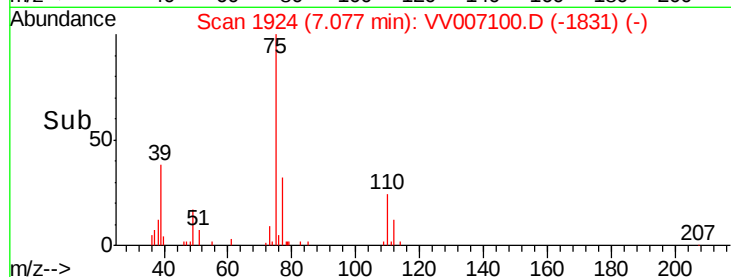
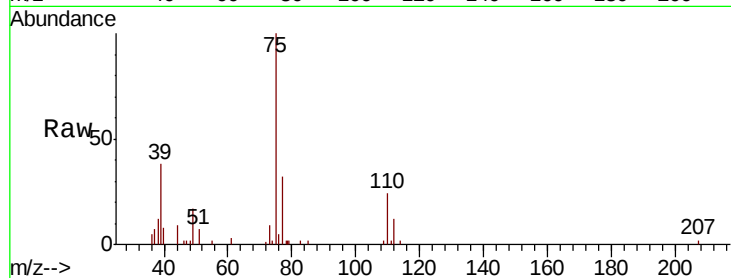


#39

cis-1,3-Dichloropropene
 Concen: 0.460 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

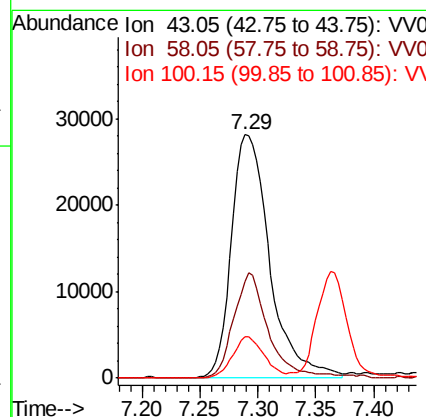
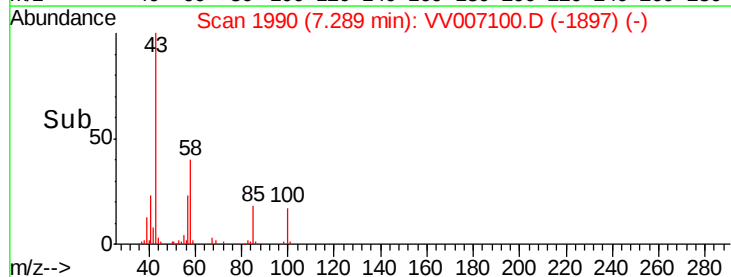
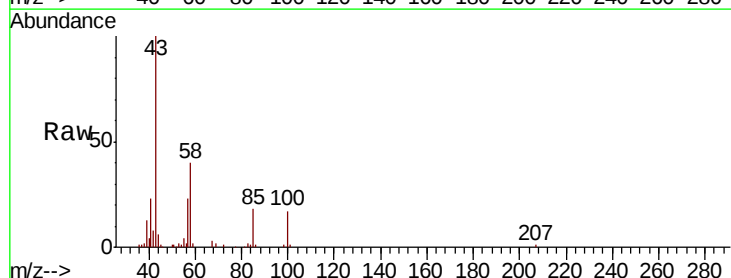
Tgt Ion: 75 Resp: 15933
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.5 39.9

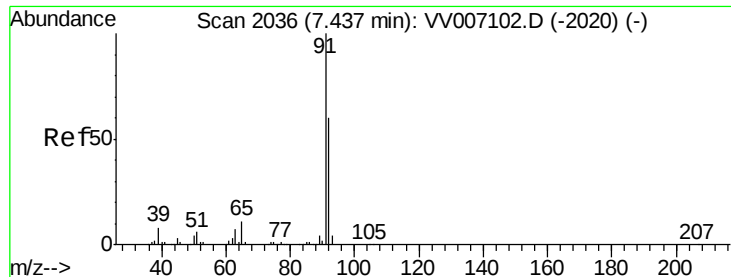


#40

4-Methyl-2-pentanone
 Concen: 4.256 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

Tgt Ion: 43 Resp: 64932
 Ion Ratio Lower Upper
 43 100
 58 38.7 32.2 48.4
 100 13.9 12.3 18.5





#42

Toluene

Concen: 0.465 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

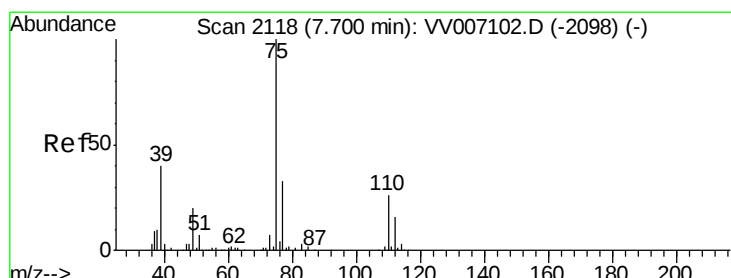
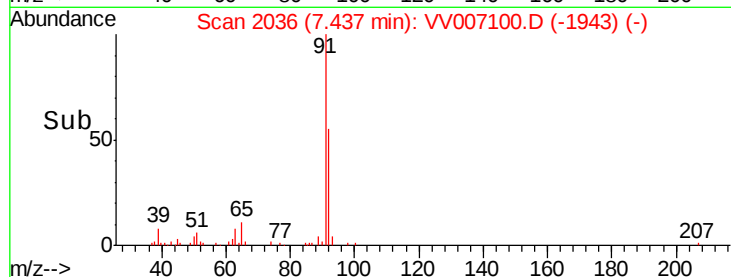
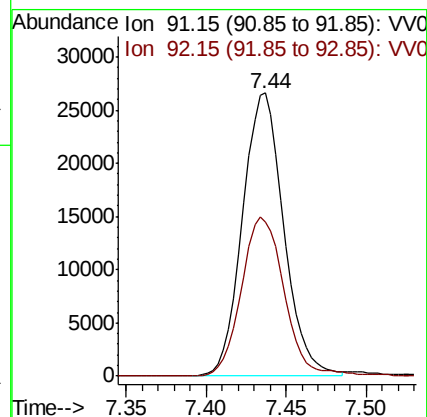
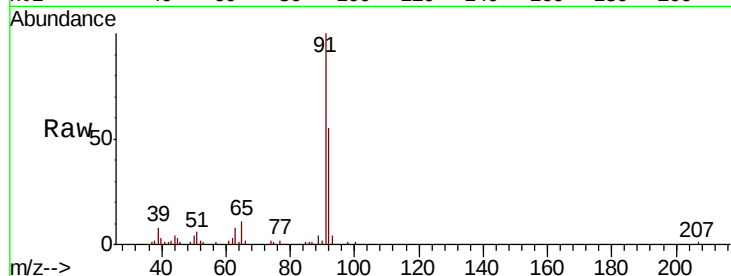
VSTD0.569

Tgt Ion: 91 Resp: 46816

Ion Ratio Lower Upper

91 100

92 54.7 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 0.483 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007100.D

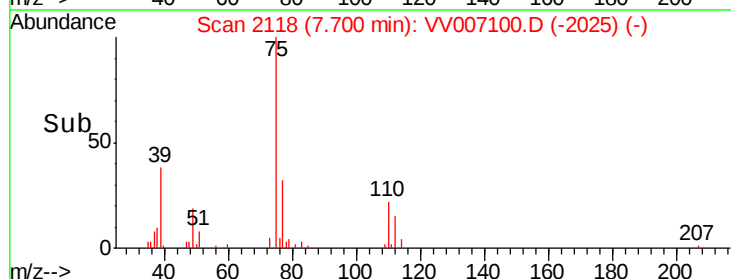
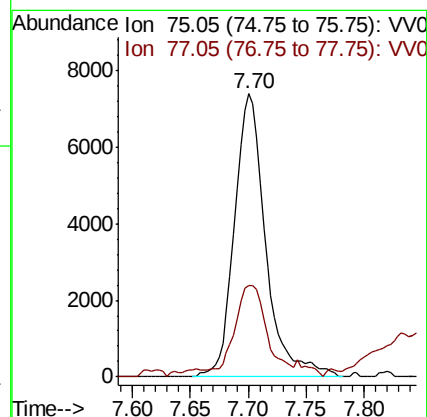
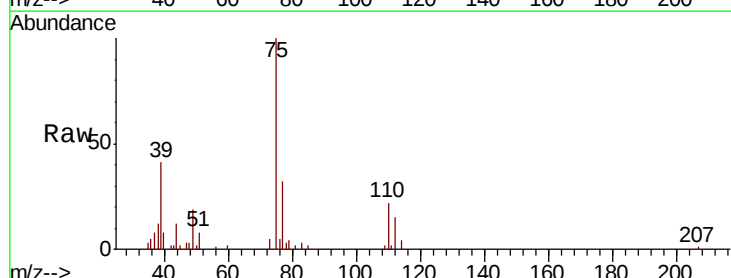
Acq: 21 Aug 2018 14:48

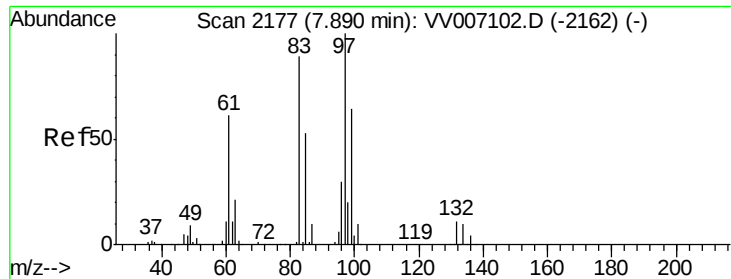
Tgt Ion: 75 Resp: 13737

Ion Ratio Lower Upper

75 100

77 32.5 23.1 42.9

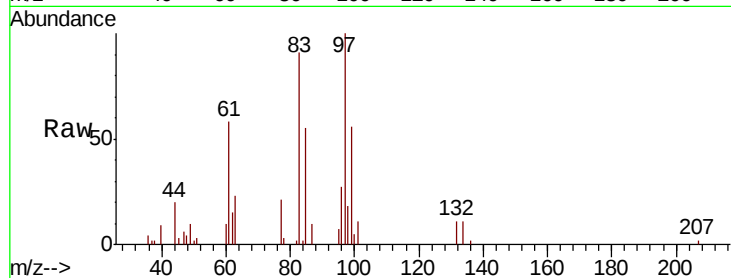




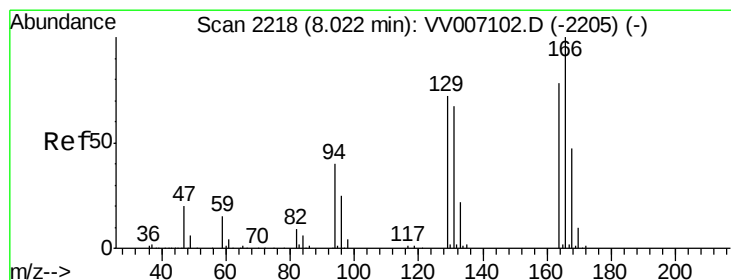
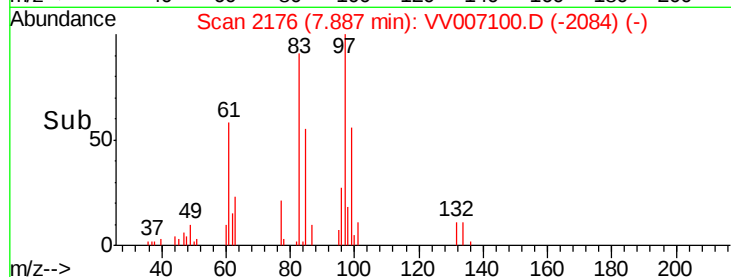
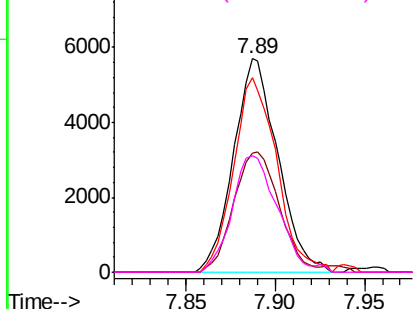
#45
 1,1,2-Trichloroethane
 Concen: 0.524 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

Tgt Ion:	97	Resp:	9850
Ion	Ratio	Lower	Upper
97	100		
99	56.0	44.9	83.5
83	91.3	62.4	115.8
85	54.7	37.0	68.6

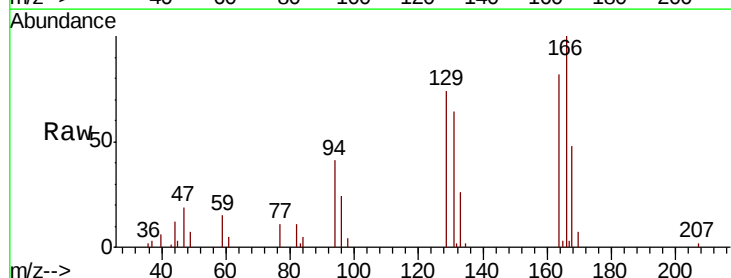


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

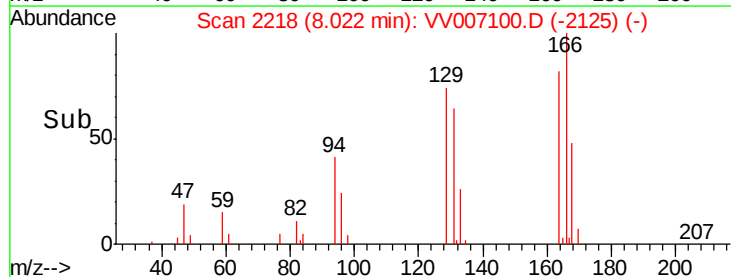
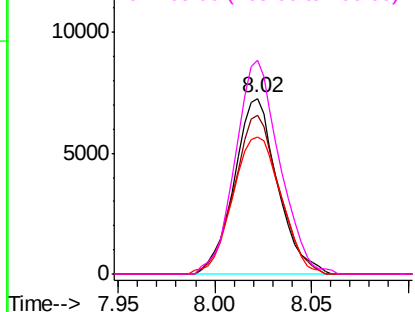


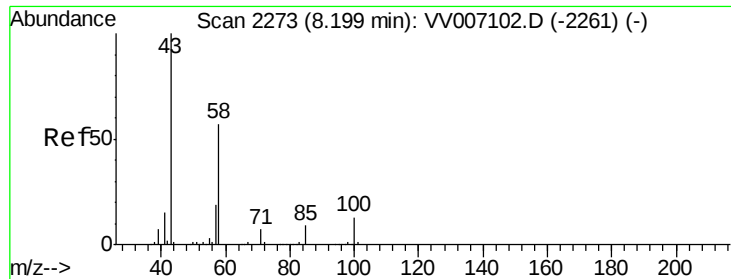
#47
 Tetrachloroethene
 Concen: 0.546 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

Tgt Ion:	164	Resp:	11246
Ion	Ratio	Lower	Upper
164	100		
129	90.2	64.8	120.3
131	77.9	60.1	111.5
166	121.7	89.3	165.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

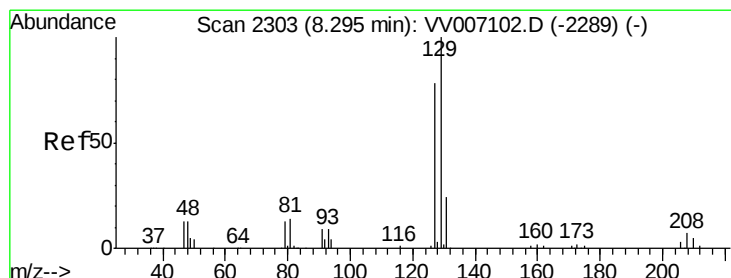
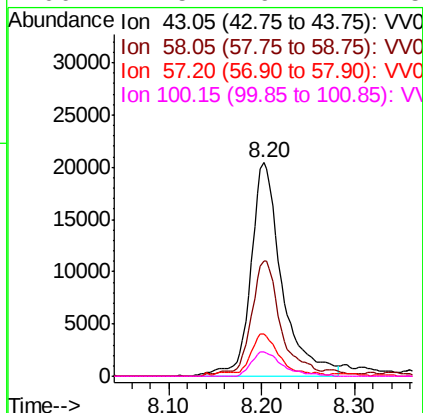
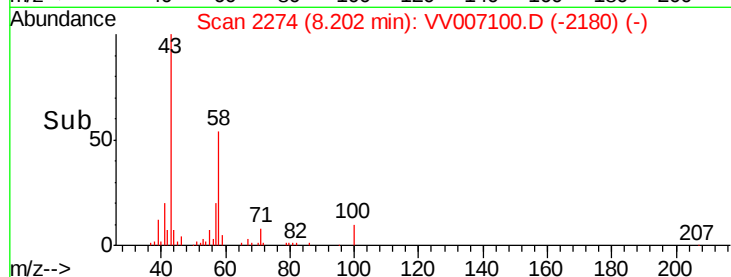
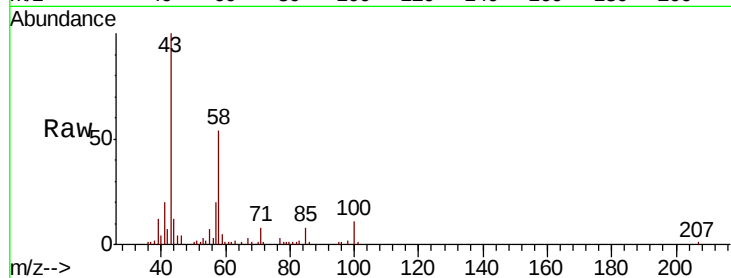




#48
2-Hexanone
Concen: 4.371 ug/L
RT: 8.20 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

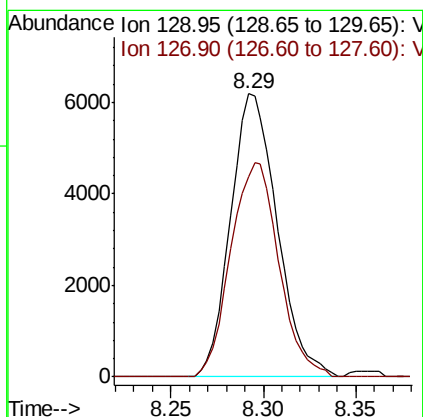
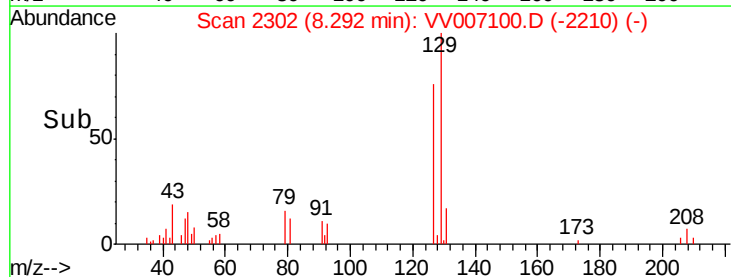
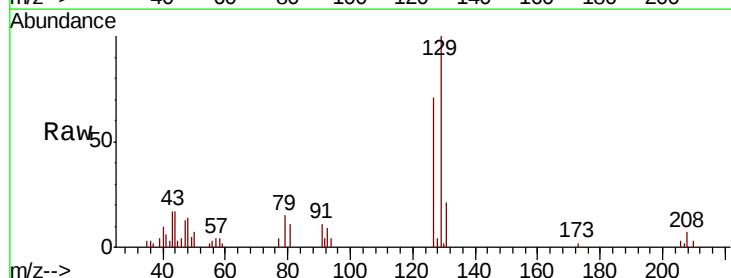
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

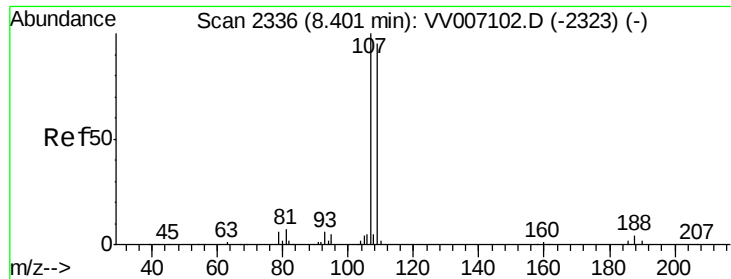
Tgt Ion: 43 Resp: 47651
Ion Ratio Lower Upper
43 100
58 51.6 47.7 71.5
57 15.8 15.4 23.0
100 11.5 9.7 14.5



#49
Dibromochloromethane
Concen: 0.547 ug/L
RT: 8.29 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

Tgt Ion: 129 Resp: 10841
Ion Ratio Lower Upper
129 100
127 70.8 54.8 101.8

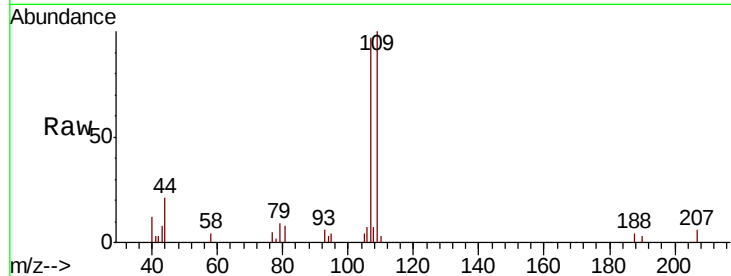




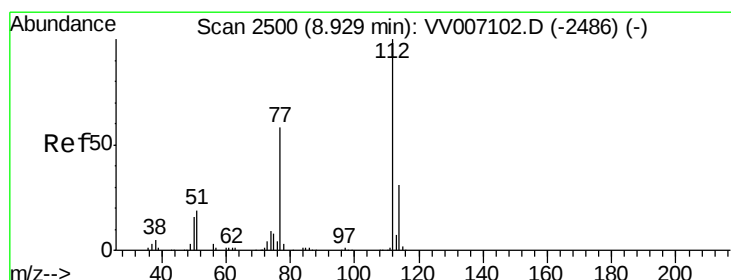
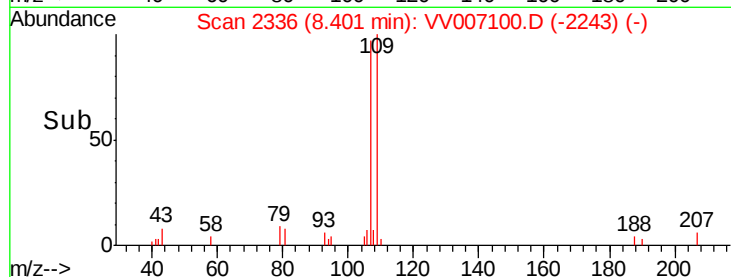
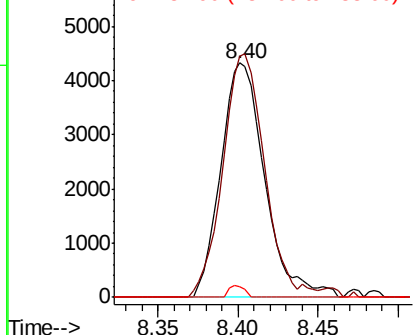
#50
1,2-Dibromoethane
Concen: 0.511 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

Tgt Ion:107 Resp: 8111
Ion Ratio Lower Upper
107 100
109 103.1 66.8 124.2
188 4.5 2.9 4.3#

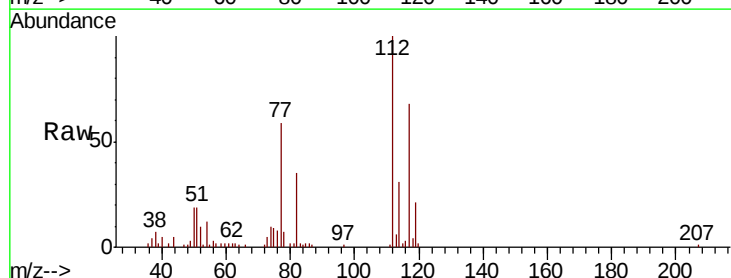


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

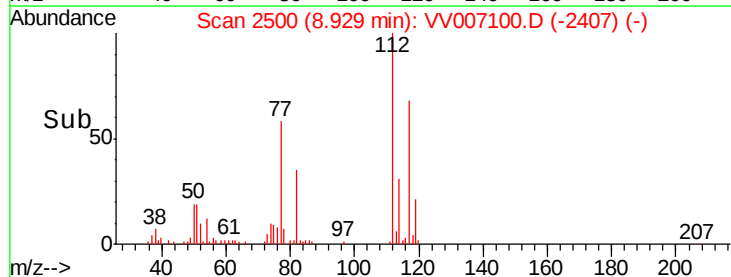
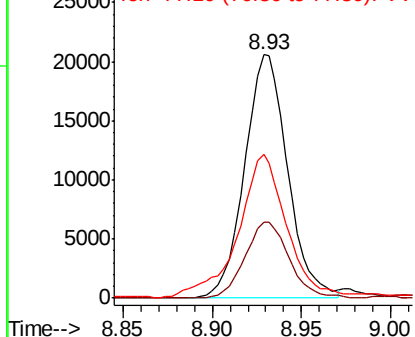


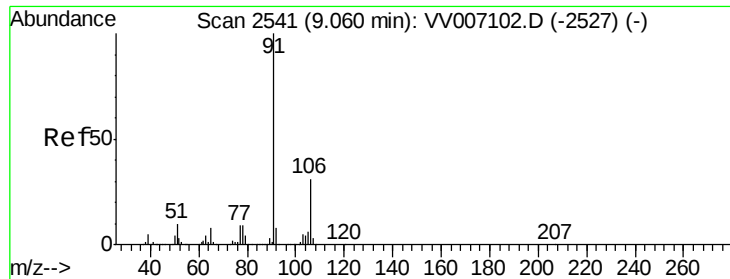
#51
Chlorobenzene
Concen: 0.537 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

Tgt Ion:112 Resp: 34724
Ion Ratio Lower Upper
112 100
114 31.1 21.9 40.7
77 58.9 46.9 70.3



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: 0.452 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

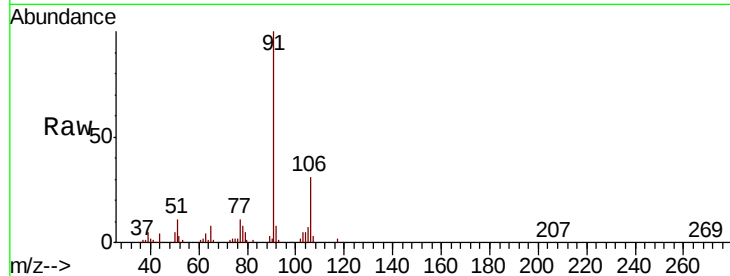
VSTD0.569

Tgt Ion: 91 Resp: 45359

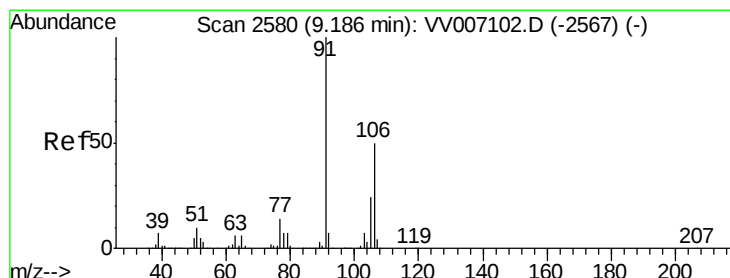
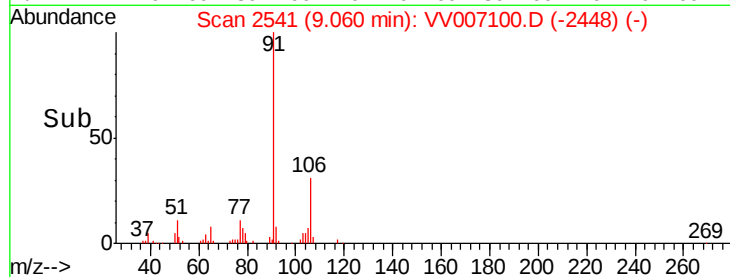
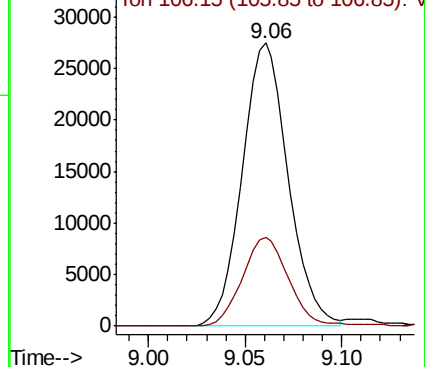
Ion Ratio Lower Upper

91 100

106 31.3 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV007100.D (-2448) (-)



#53

m,p-xylene

Concen: 0.442 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007100.D

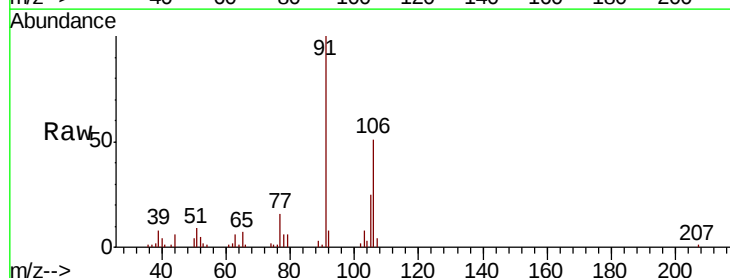
Acq: 21 Aug 2018 14:48

Tgt Ion: 106 Resp: 16606

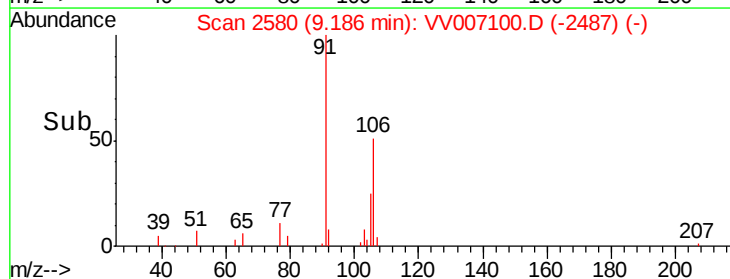
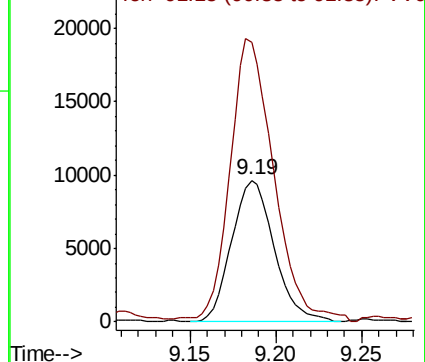
Ion Ratio Lower Upper

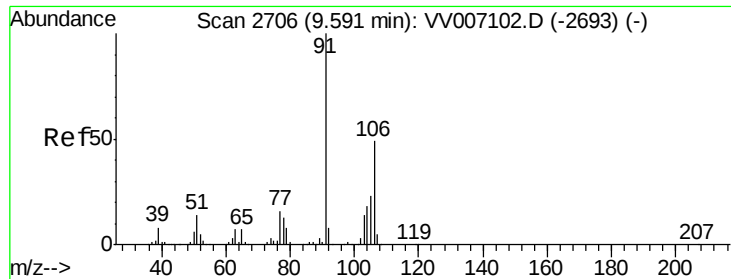
106 100

91 197.6 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): VV007100.D (-2487) (-)

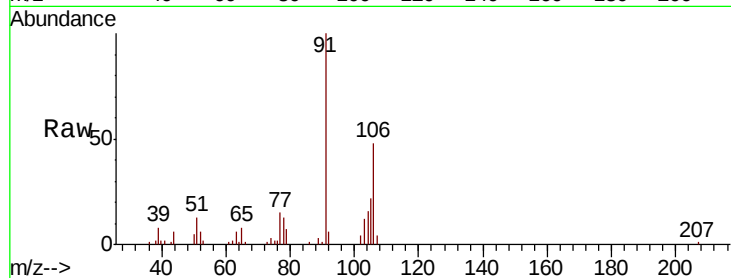




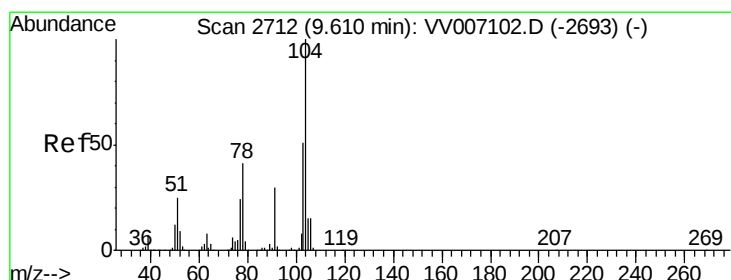
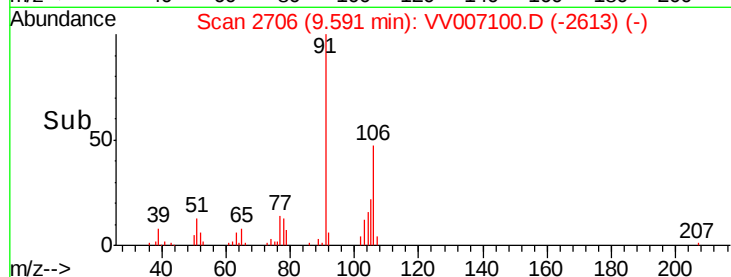
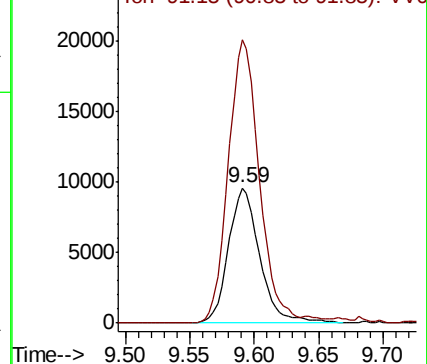
#54
o-xylene
Concen: 0.453 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.569

Tgt Ion:106 Resp: 16147
Ion Ratio Lower Upper
106 100
91 209.8 144.2 267.8

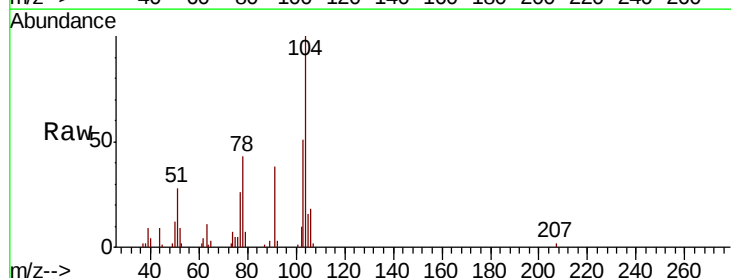


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

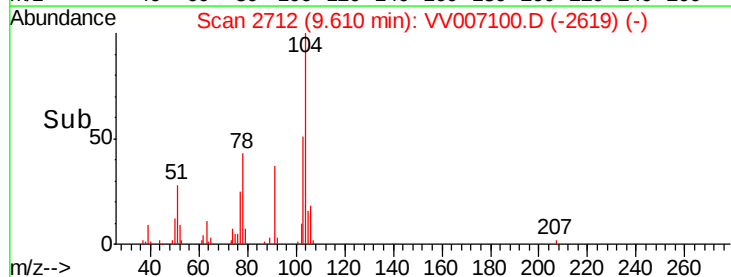
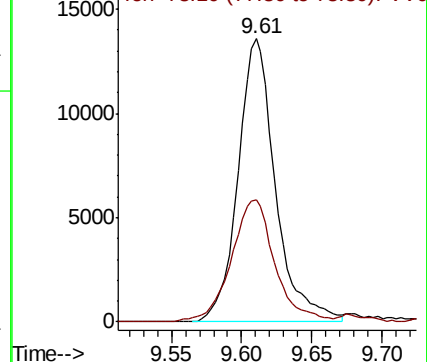


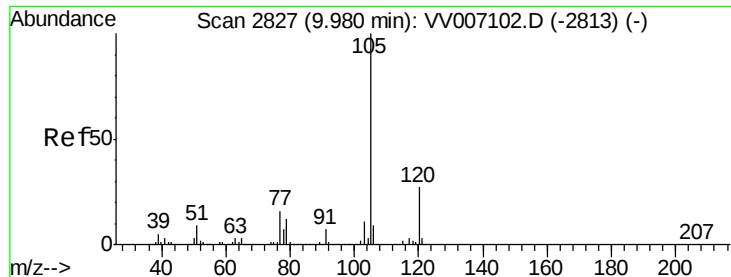
#55
Styrene
Concen: 0.420 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV007100.D
Acq: 21 Aug 2018 14:48

Tgt Ion:104 Resp: 25247
Ion Ratio Lower Upper
104 100
78 42.9 28.9 53.7



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





#56

Isopropylbenzene

Concen: 0.454 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.569

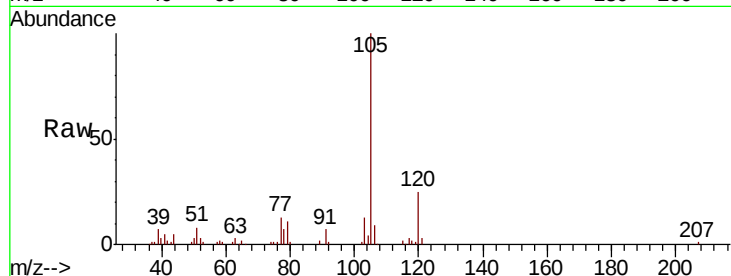
Tgt Ion: 105 Resp: 42313

Ion Ratio Lower Upper

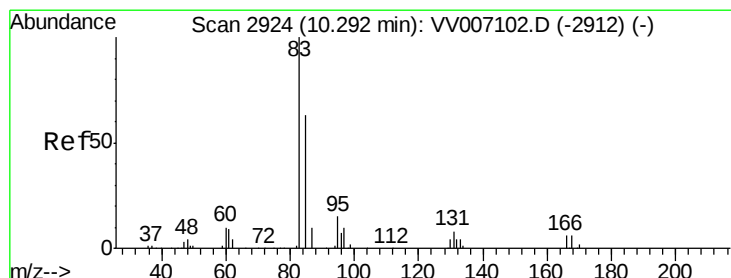
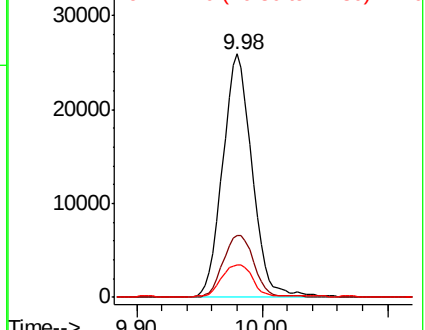
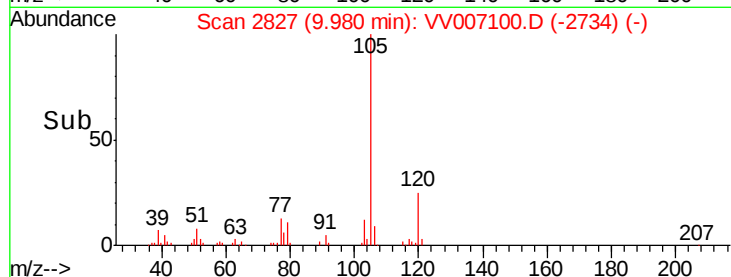
105 100

120 26.4 21.8 32.8

77 14.4 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): VV007100.D (-2734) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 0.528 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

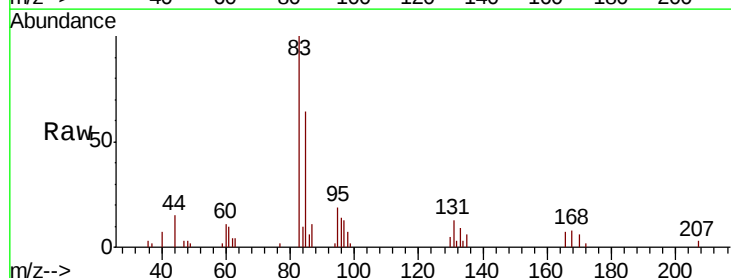
Tgt Ion: 83 Resp: 11984

Ion Ratio Lower Upper

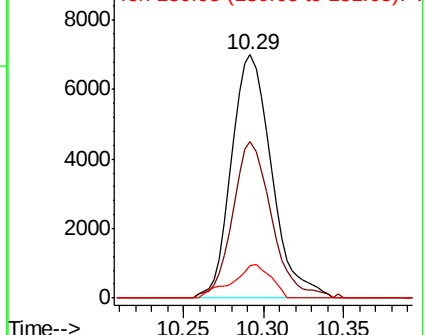
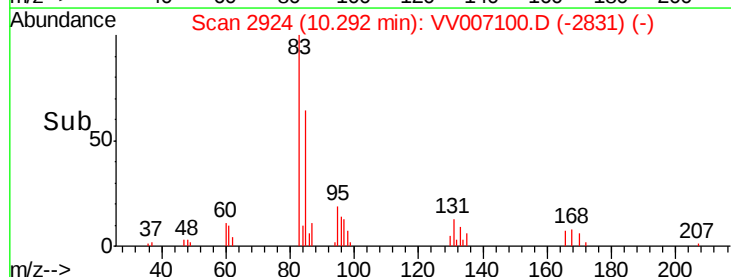
83 100

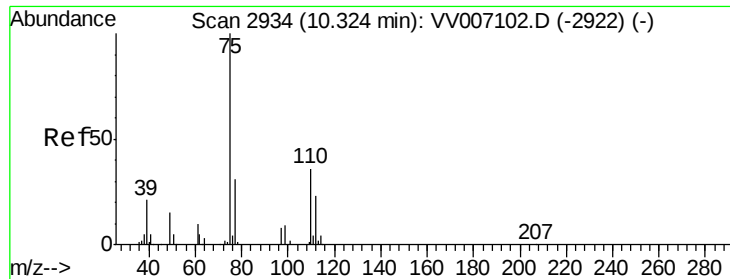
85 64.2 44.4 82.5

131 13.4 7.3 10.9#



Abundance Ion 82.95 (82.65 to 83.65): VV007100.D (-2831) (-)





#59

1,2,3-Trichloropropane

Concen: 0.549 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampled :

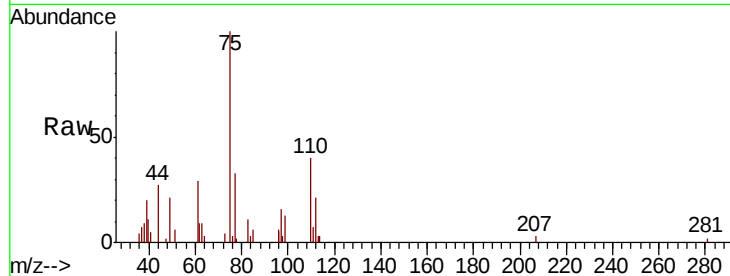
VSTD0.569

Tgt Ion: 75 Resp: 8814

Ion Ratio Lower Upper

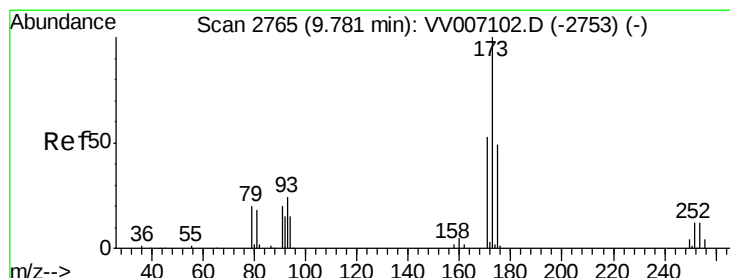
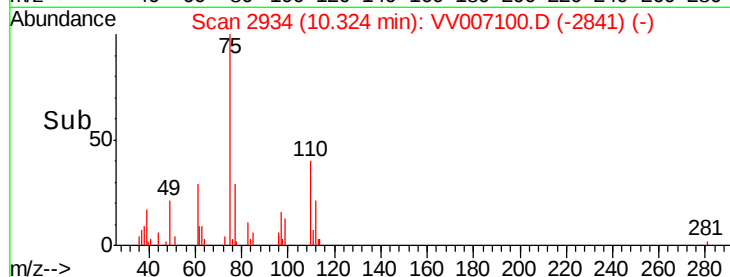
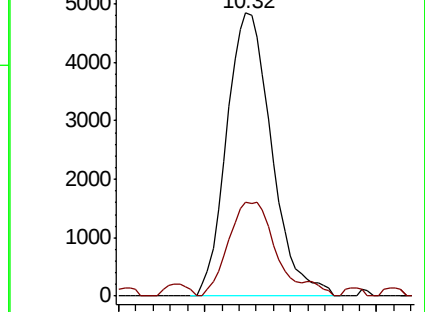
75 100

77 35.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV007102.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV007102.D (-2922) (-)



#61

Bromoform

Concen: 0.620 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

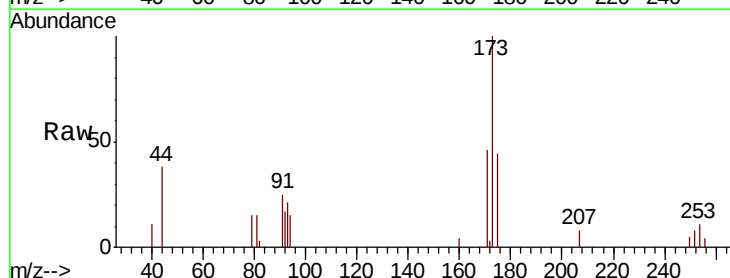
Tgt Ion: 173 Resp: 5883

Ion Ratio Lower Upper

173 100

175 46.4 38.9 58.3

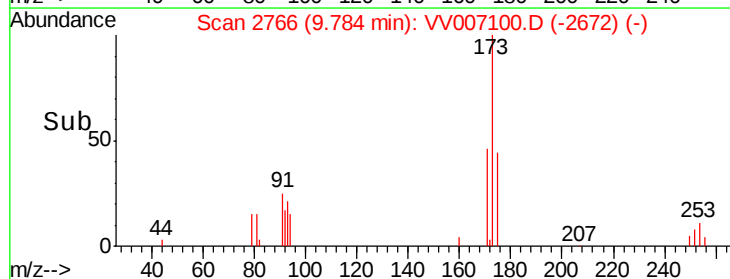
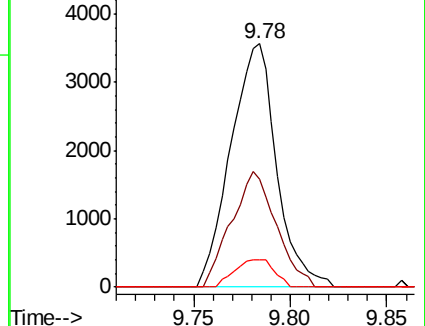
254 9.8 9.6 14.4

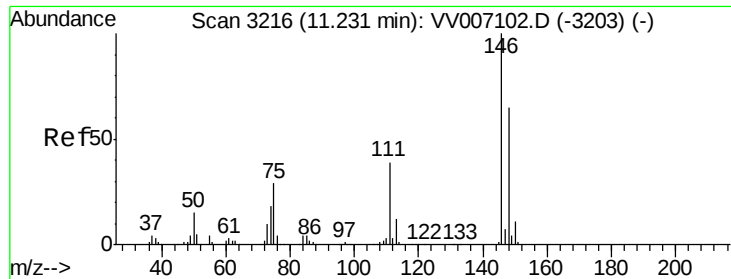


Abundance Ion 172.90 (172.60 to 173.60): VV007102.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV007102.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV007102.D (-2753) (-)

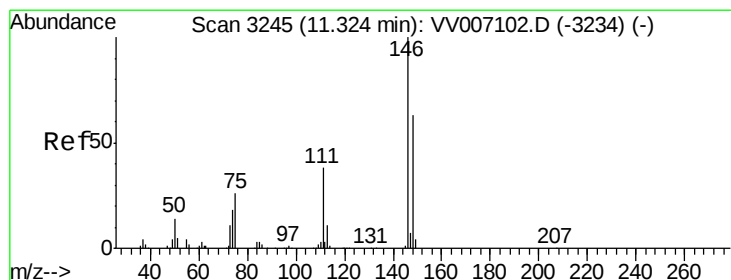
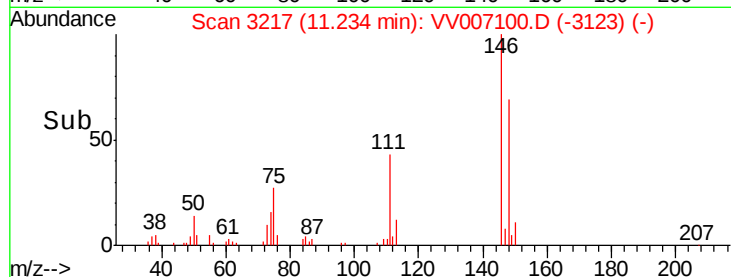
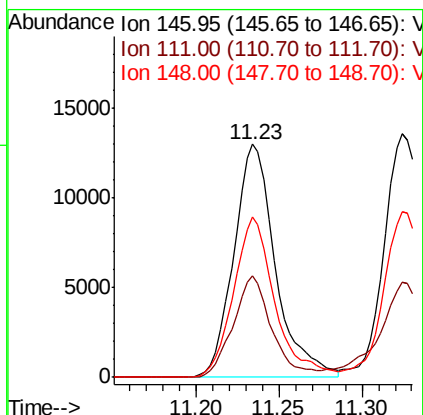
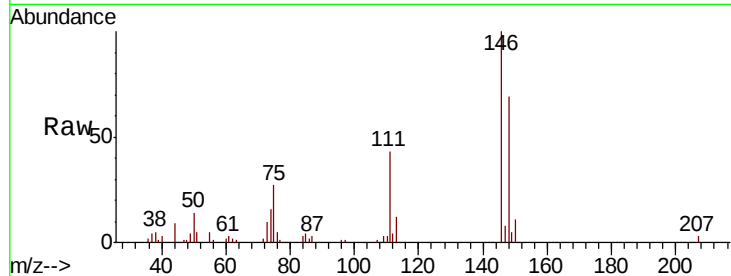




#62
 1,3-Dichlorobenzene
 Concen: 0.564 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

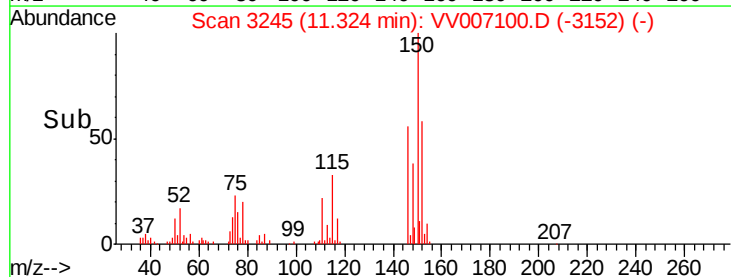
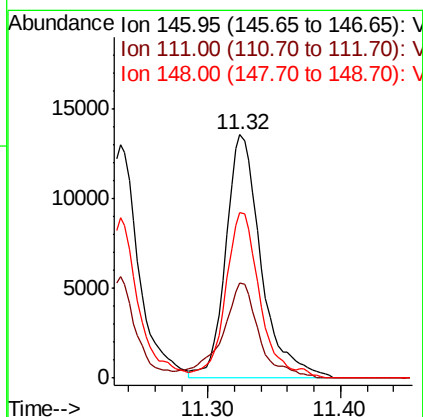
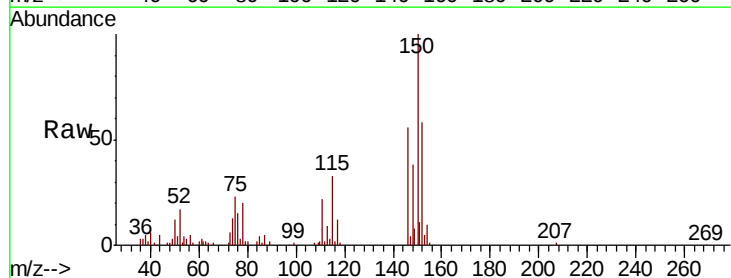
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

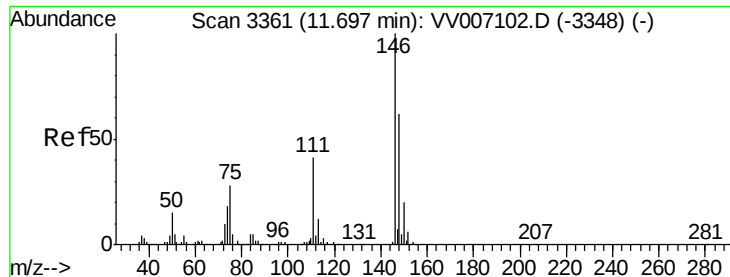
Tgt Ion:146 Resp: 22663
 Ion Ratio Lower Upper
 146 100
 111 43.3 27.4 50.8
 148 68.6 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 0.610 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

Tgt Ion:146 Resp: 25098
 Ion Ratio Lower Upper
 146 100
 111 39.2 26.7 49.7
 148 68.1 44.4 82.4

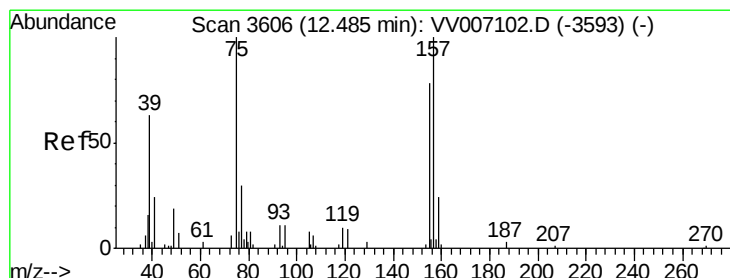
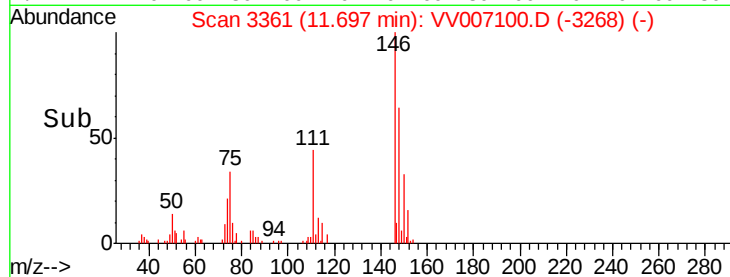
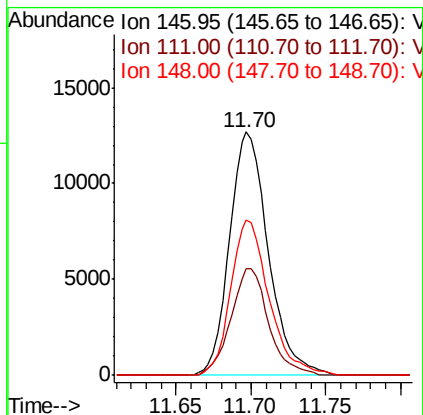
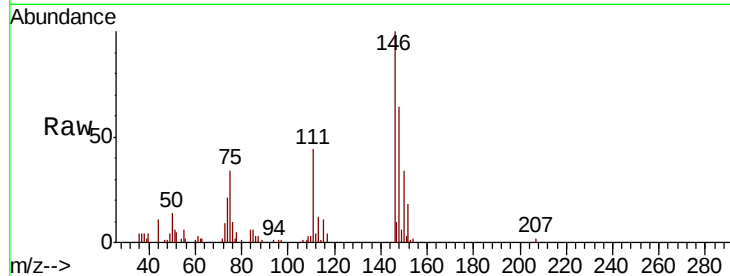




#65
 1,2-Dichlorobenzene
 Concen: 0.577 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

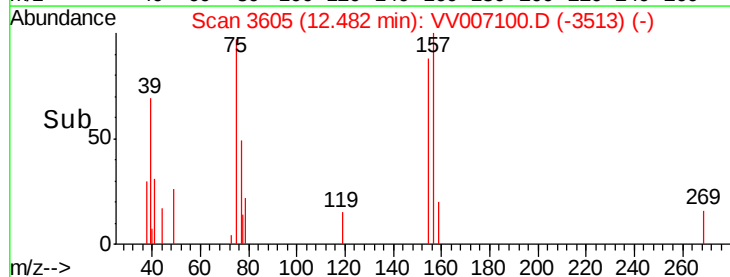
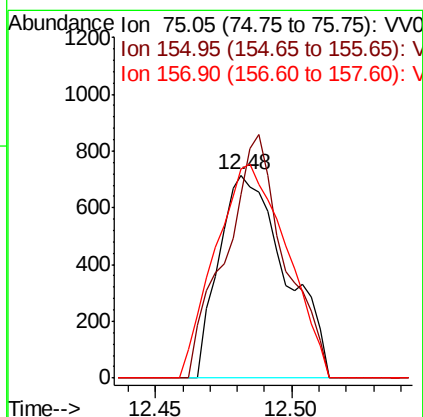
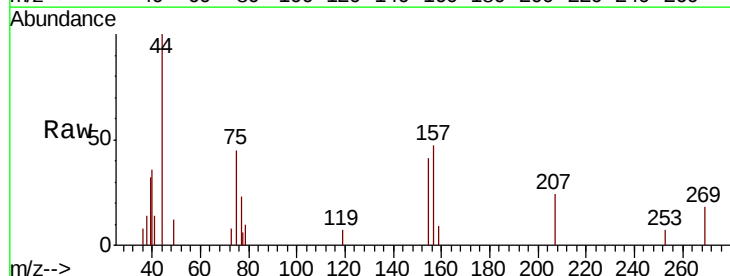
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

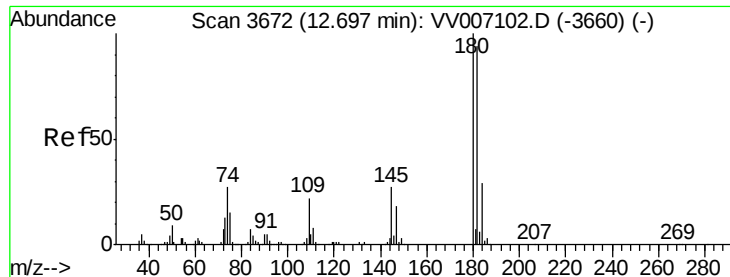
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	32.7	49.1
148	63.9	49.8	74.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.443 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	62.7	94.1
157	102.9	79.7	119.5

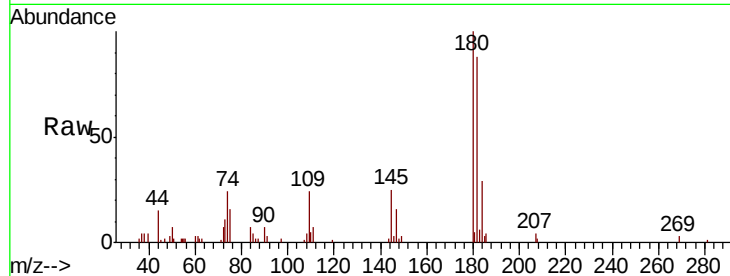




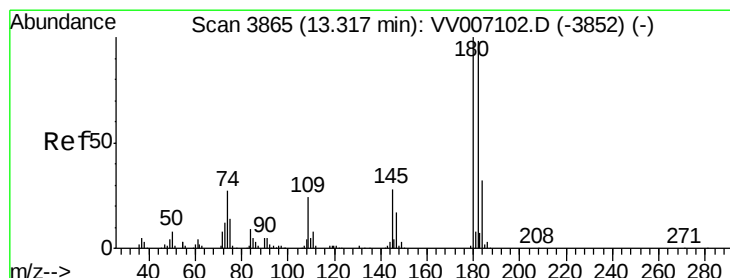
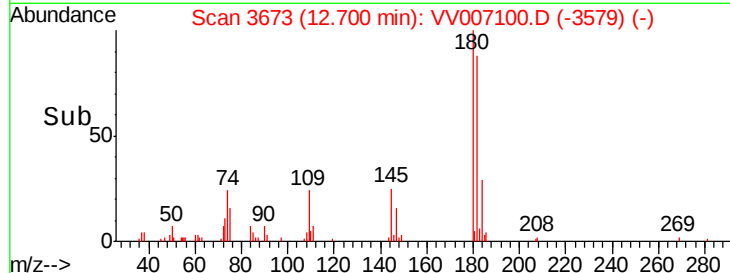
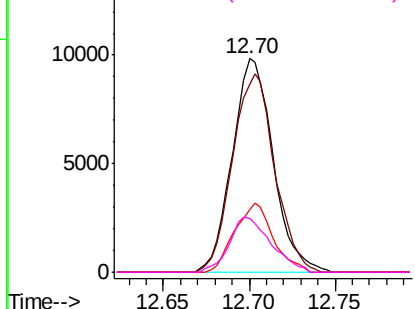
#67
 1,3,5-Trichlorobenzene
 Concen: 0.539 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.569

Tgt Ion:	180	Resp:	16267
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	115.0
184	30.3	24.4	36.6
145	26.1	22.2	33.2

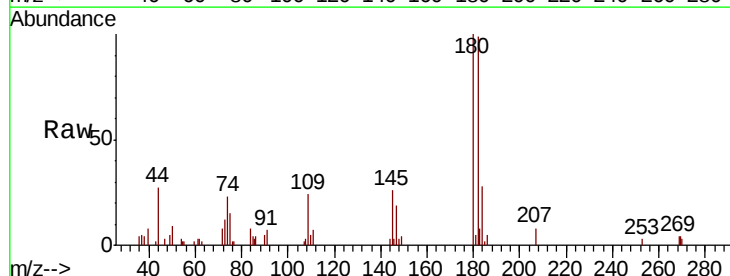


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

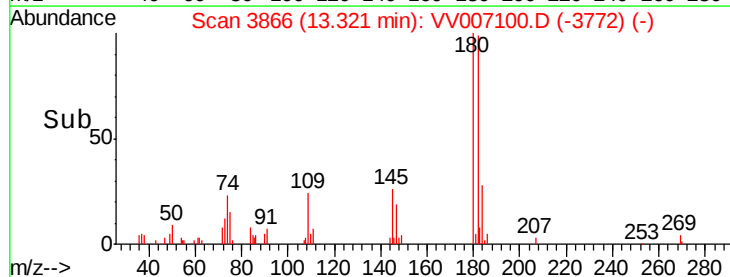
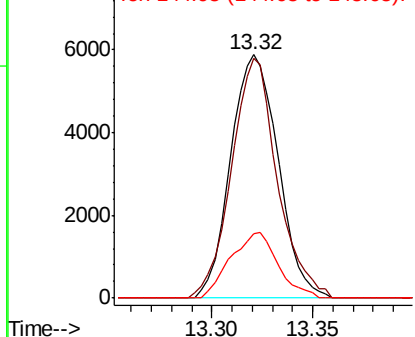


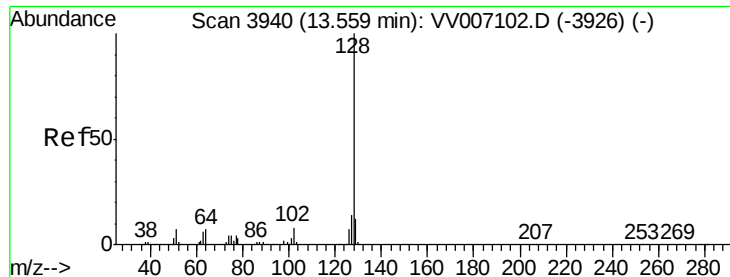
#68
 1,2,4-trichlorobenzene
 Concen: 0.442 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV007100.D
 Acq: 21 Aug 2018 14:48

Tgt Ion:	180	Resp:	9695
Ion	Ratio	Lower	Upper
180	100		
182	94.8	78.4	117.6
145	26.8	22.9	34.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.428 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.569

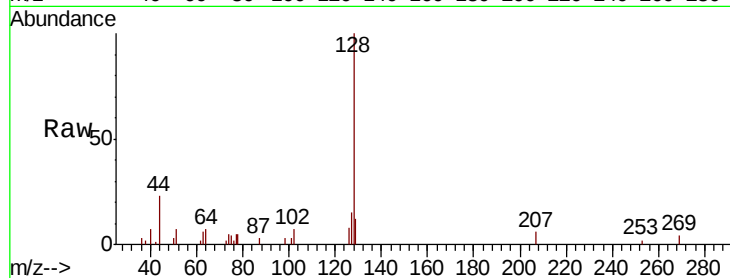
Tgt Ion:128 Resp: 13356

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

127 14.5 10.8 16.2

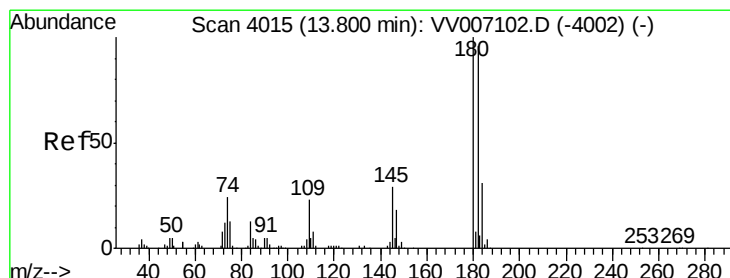
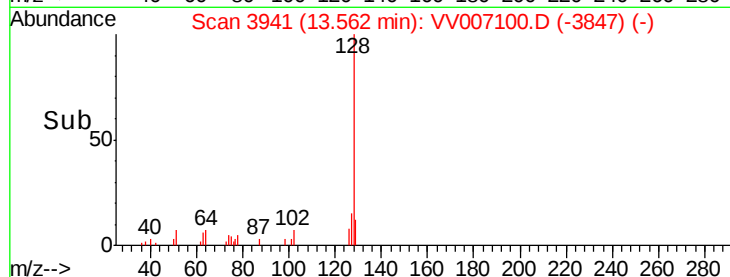
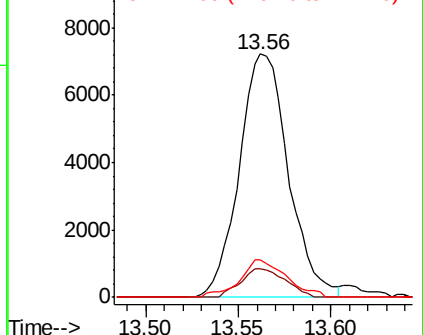


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.443 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV007100.D

Acq: 21 Aug 2018 14:48

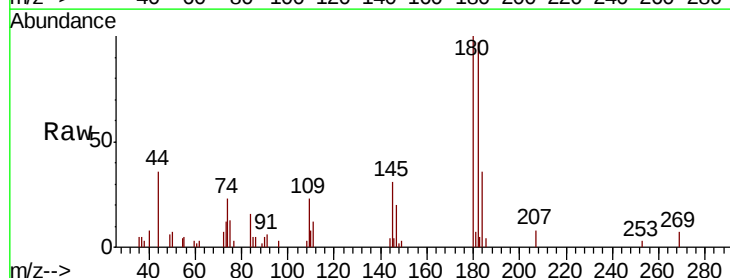
Tgt Ion:180 Resp: 9433

Ion Ratio Lower Upper

180 100

182 97.6 76.2 114.2

145 32.9 23.8 35.8



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

