

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082818\
 Data File : VV007228.D
 Acq On : 28 Aug 2018 15:18
 Operator : SY/MD
 Sample : VSTD0.561
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

Quant Time: Aug 29 00:42:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 00:40:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	285478	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	275893	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	118189	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11352	0.57	ug/L	0.00
7) Chloroethane-d5	1.58	69	8784	0.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	19084	0.53	ug/L	0.00
20) 2-Butanone-d5	3.98	46	25060	5.37	ug/L	0.00
24) Chloroform-d	4.40	84	22229	0.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	11392	0.59	ug/L	0.00
32) Benzene-d6	5.10	84	41097	0.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	14493	0.58	ug/L	0.00
41) Toluene-d8	7.36	98	32364	0.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4926	0.56	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	7447	2.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	10435	0.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	12264	0.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9940	0.411 ug/L	98
3) Chloromethane	1.25	50	11324	0.428 ug/L	99
5) Vinyl chloride	1.32	62	10557	0.428 ug/L	100
6) Bromomethane	1.53	94	3896	0.475 ug/L	86
8) Chloroethane	1.60	64	6589	0.434 ug/L	98
9) Trichlorofluoromethane	1.77	101	15460	0.463 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9891	0.473 ug/L	97
12) 1,1-Dichloroethene	2.14	96	8295	0.425 ug/L #	75
13) Acetone	2.21	43	13943	5.056 ug/L	95
14) Carbon disulfide	2.32	76	27120	0.484 ug/L	100
15) Methyl Acetate	2.47	43	3360	0.475 ug/L #	85
16) Methylene chloride	2.54	84	11989	0.522 ug/L	95
17) Methyl tert-butyl Ether	2.82	73	22089	0.468 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	9512	0.448 ug/L	91
19) 1,1-Dichloroethane	3.23	63	18785	0.468 ug/L	99
21) 2-Butanone	4.06	43	23328	4.232 ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	10703	0.455 ug/L	88
23) Bromochloromethane	4.30	128	4633	0.430 ug/L	89
25) Chloroform	4.43	83	18939	0.443 ug/L	97
27) 1,2-Dichloroethane	5.19	62	11025	0.453 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	15740	0.442 ug/L	99
30) Cyclohexane	4.72	56	12572	0.398 ug/L	97
31) Carbon tetrachloride	4.87	117	13014	0.437 ug/L	98
33) Benzene	5.15	78	36984	0.409 ug/L	100
34) Trichloroethene	5.96	95	10516	0.482 ug/L	96
35) Methylcyclohexane	6.18	83	12836	0.395 ug/L	97
37) 1,2-Dichloropropane	6.22	63	10381	0.426 ug/L	99
38) Bromodichloromethane	6.56	83	11958	0.421 ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	11595	0.400 ug/L	96
40) 4-Methyl-2-pentanone	7.29	43	42364	3.517 ug/L	94

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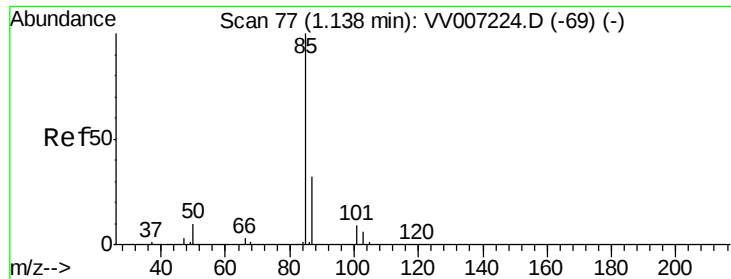
Quant Time: Aug 29 00:42:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	33341	0.385	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	9230	0.383	ug/L	91
45) 1,1,2-Trichloroethane	7.89	97	7358	0.445	ug/L	90
47) Tetrachloroethene	8.02	164	8312	0.455	ug/L	97
48) 2-Hexanone	8.20	43	33724	3.740	ug/L	95
49) Dibromochloromethane	8.30	129	8143	0.448	ug/L	95
50) 1,2-Dibromoethane	8.40	107	6190	0.445	ug/L #	98
51) Chlorobenzene	8.93	112	25715	0.447	ug/L	98
52) Ethylbenzene	9.06	91	32673	0.382	ug/L	98
53) m,p-xylene	9.19	106	11942	0.370	ug/L	95
54) o-xylene	9.59	106	10644	0.345	ug/L	99
55) Styrene	9.61	104	16868	0.319	ug/L	98
56) Isopropylbenzene	9.98	105	27820	0.344	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	8282	0.425	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	5980	0.424	ug/L	93
61) Bromoform	9.78	173	4434	0.471	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	17299	0.458	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	18924	0.475	ug/L	95
65) 1,2-Dichlorobenzene	11.70	146	16902	0.447	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	1049	0.485	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.70	180	11857	0.421	ug/L	96
68) 1,2,4-trichlorobenzene	13.32	180	6421	0.340	ug/L	92
69) Naphthalene	13.56	128	7983	0.324	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.80	180	6801	0.370	ug/L	96

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

```
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ALS Vial  : 9   Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 0.411 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

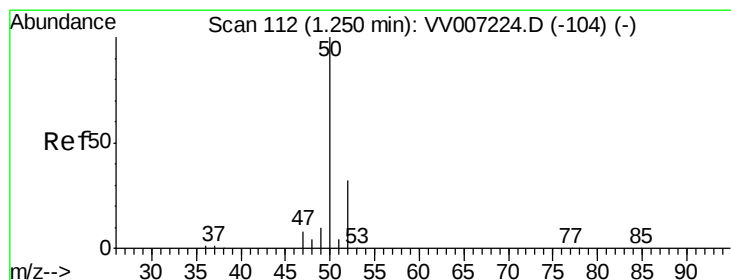
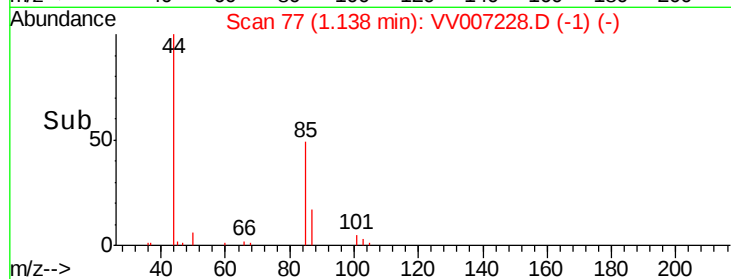
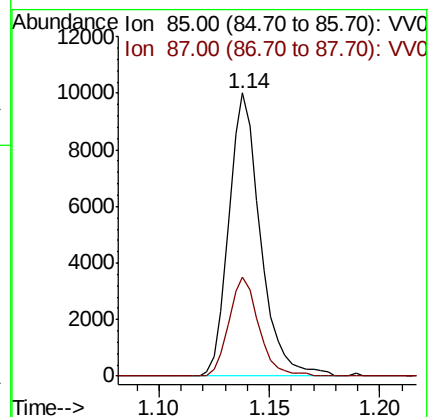
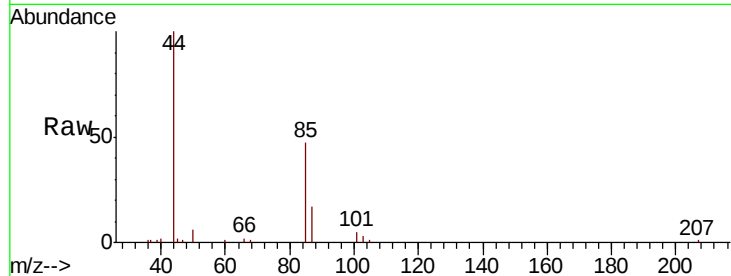
VSTD0.561

Tgt Ion: 85 Resp: 9940

Ion Ratio Lower Upper

85 100

87 33.0 25.7 38.5



#3

Chloromethane

Concen: 0.428 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007228.D

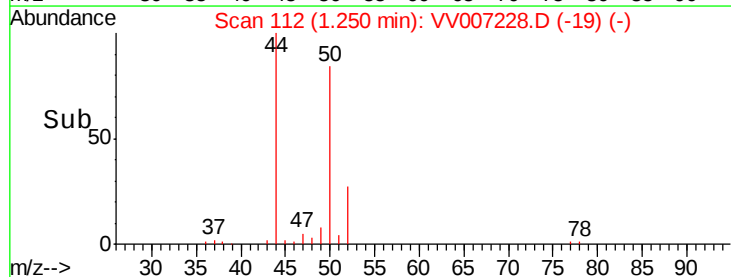
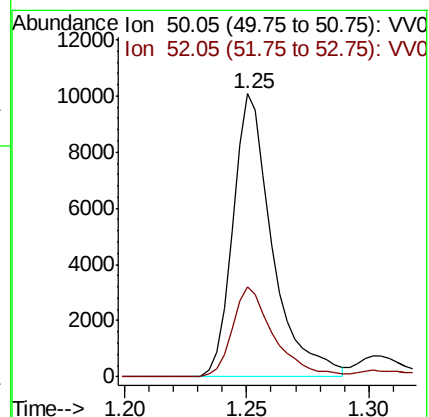
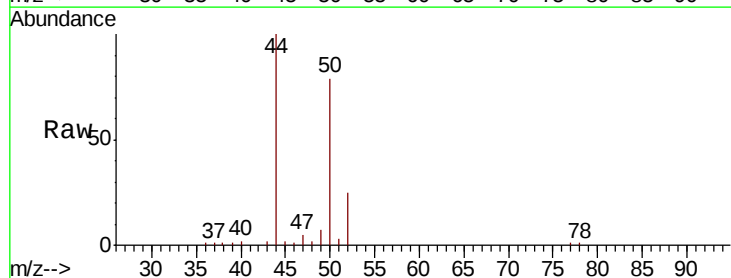
Acq: 28 Aug 2018 15:18

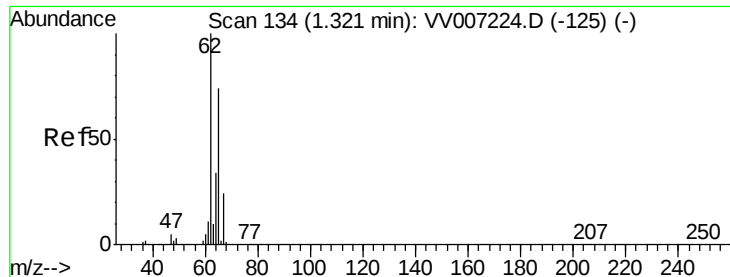
Tgt Ion: 50 Resp: 11324

Ion Ratio Lower Upper

50 100

52 31.8 22.5 41.9





#5

Vinyl chloride

Concen: 0.428 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

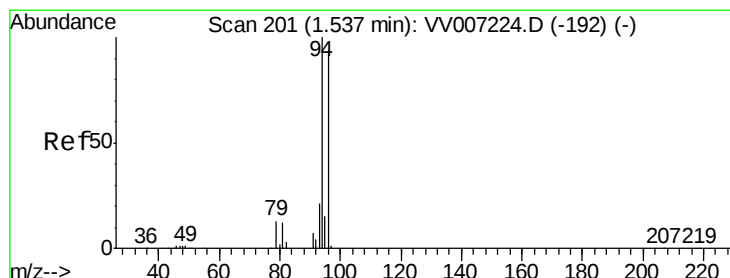
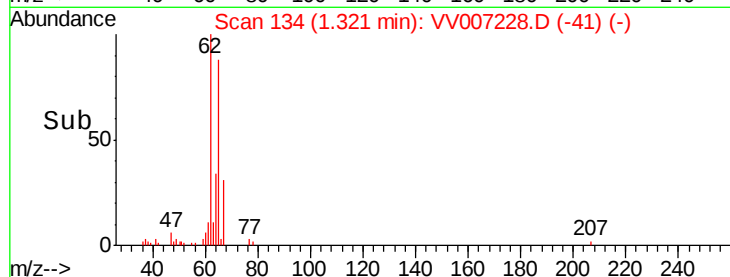
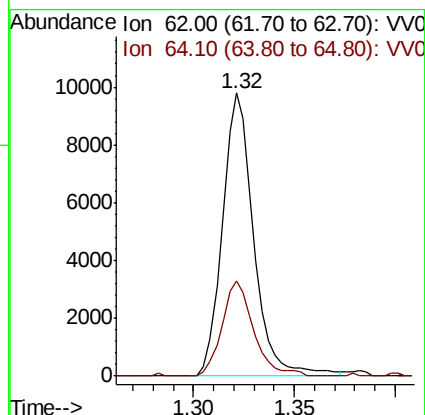
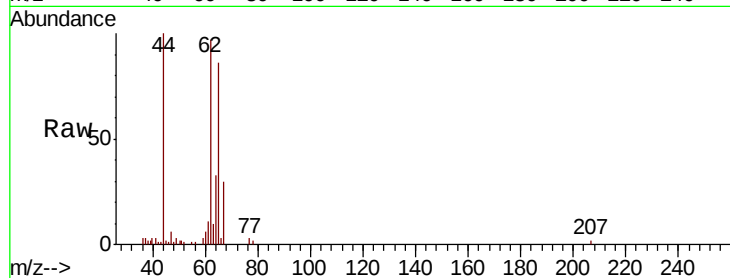
VSTD0.561

Tgt Ion: 62 Resp: 10557

Ion Ratio Lower Upper

62 100

64 33.6 23.6 43.8



#6

Bromomethane

Concen: 0.475 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV007228.D

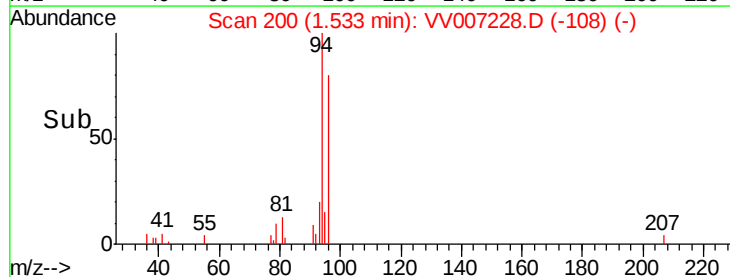
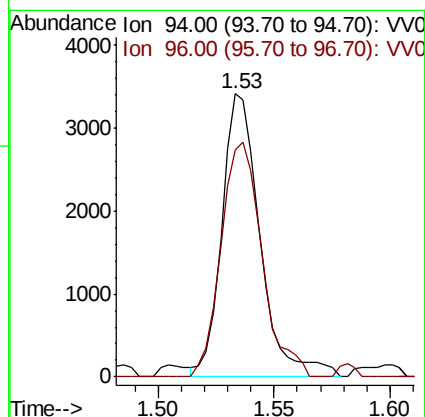
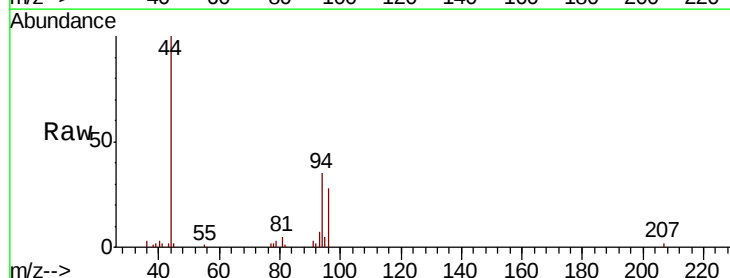
Acq: 28 Aug 2018 15:18

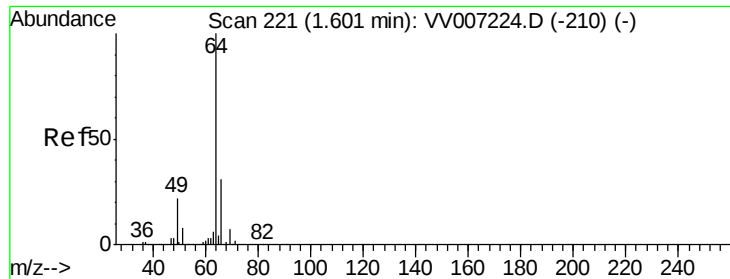
Tgt Ion: 94 Resp: 3896

Ion Ratio Lower Upper

94 100

96 80.4 65.8 122.2





#8

Chloroethane

Concen: 0.434 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

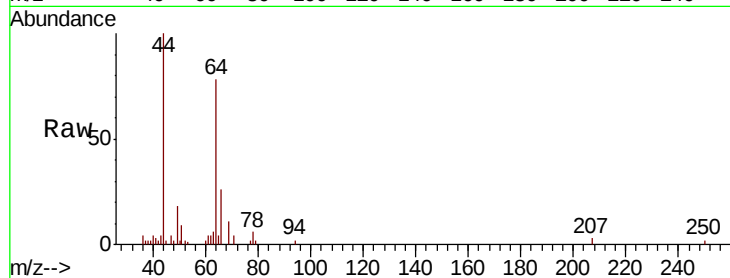
VSTD0.561

Tgt Ion: 64 Resp: 6589

Ion Ratio Lower Upper

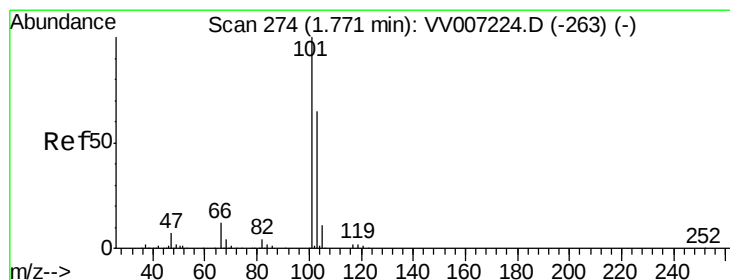
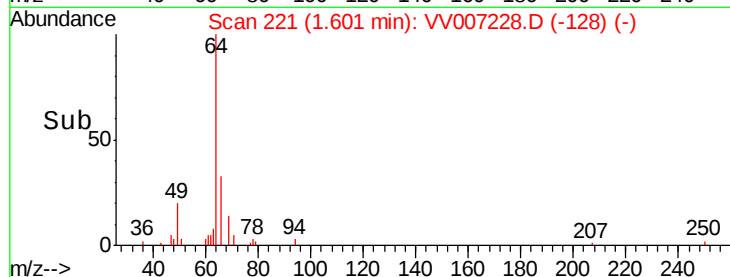
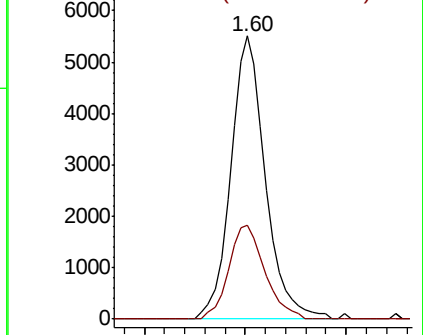
64 100

66 33.1 22.2 41.2



Abundance Ion 64.10 (63.80 to 64.80): VV007228.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV007228.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 0.463 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007228.D

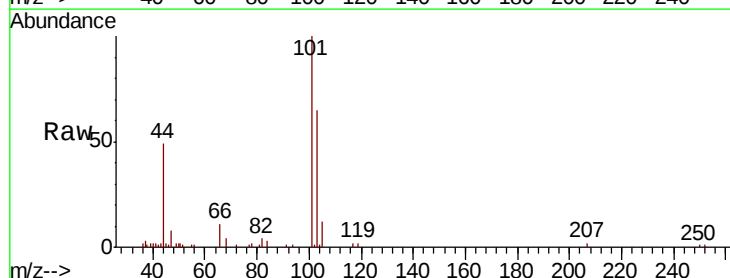
Acq: 28 Aug 2018 15:18

Tgt Ion: 101 Resp: 15460

Ion Ratio Lower Upper

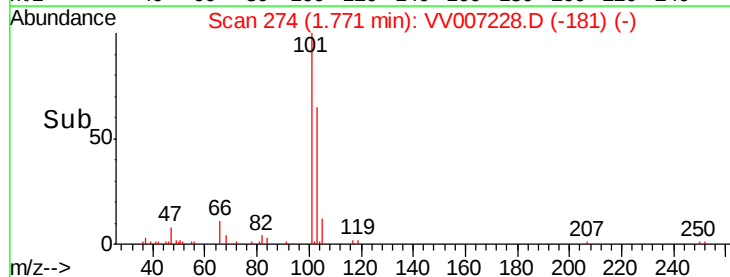
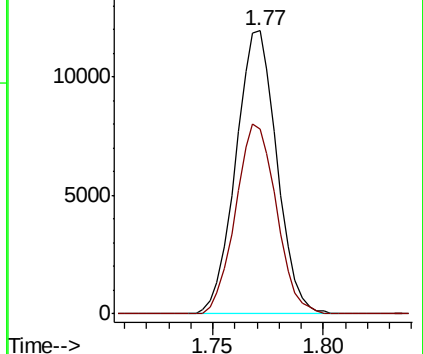
101 100

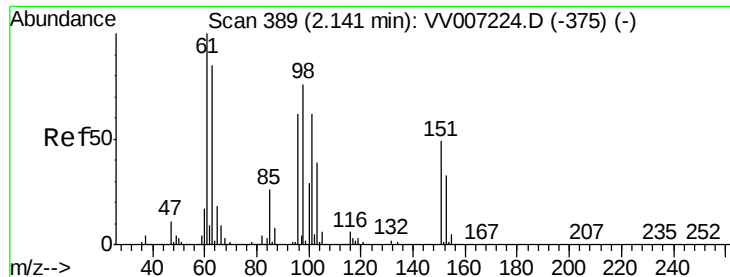
103 66.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV007228.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV007228.D (-181) (-)





#10

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

Concen: 0.473 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

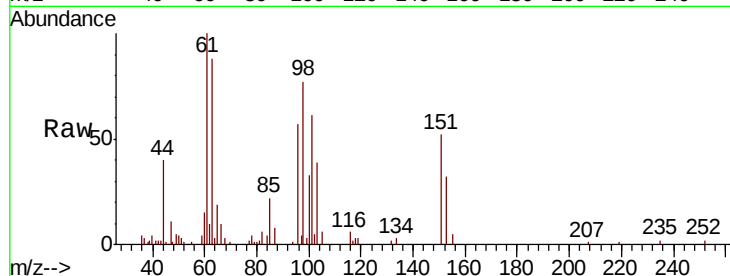
Tgt Ion: 101 Resp: 9891

Ion Ratio Lower Upper

101 100

85 39.5 33.2 49.8

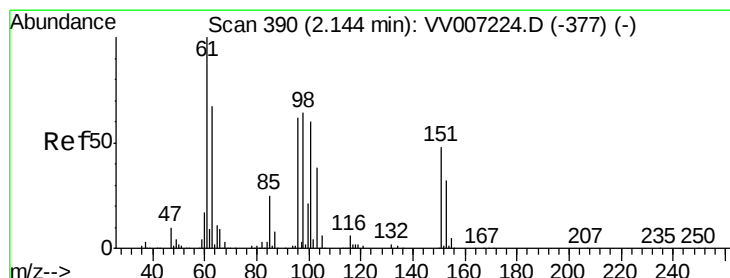
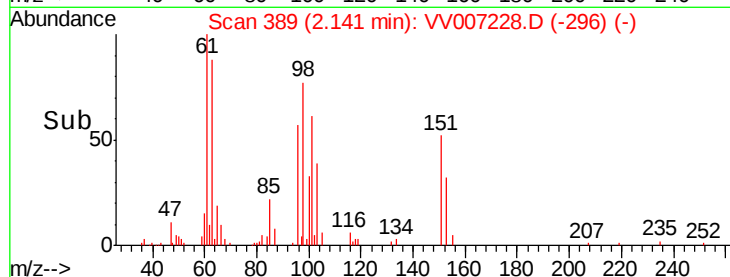
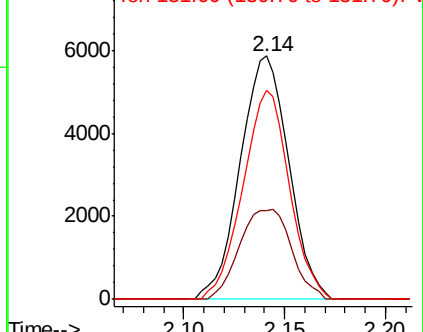
151 81.9 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV007228.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV007228.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV007228.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 0.425 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

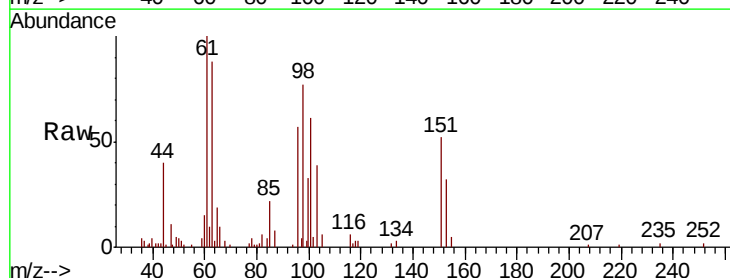
Tgt Ion: 96 Resp: 8295

Ion Ratio Lower Upper

96 100

61 176.1 112.3 208.5

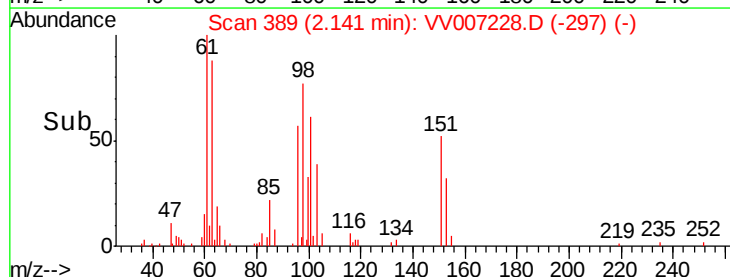
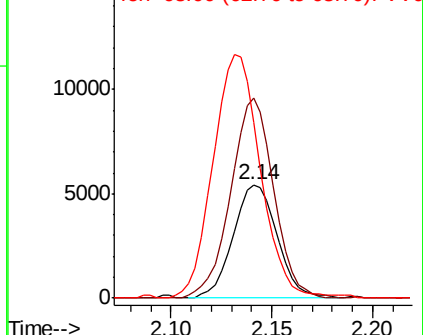
63 155.0 75.4 140.0#

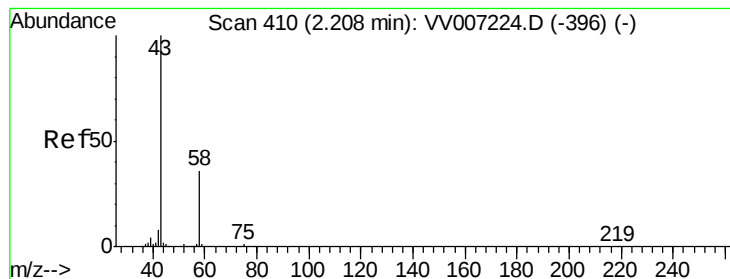


Abundance Ion 96.00 (95.70 to 96.70): VV007228.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV007228.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV007228.D (-297) (-)





#13

Acetone

Concen: 5.056 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

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MSVOA_V

ClientSampleId :

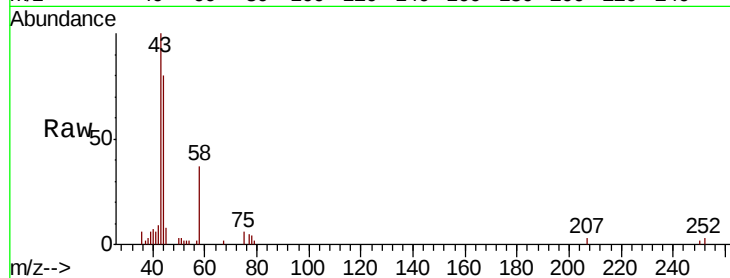
VSTD0.561

Tgt Ion: 43 Resp: 13943

Ion Ratio Lower Upper

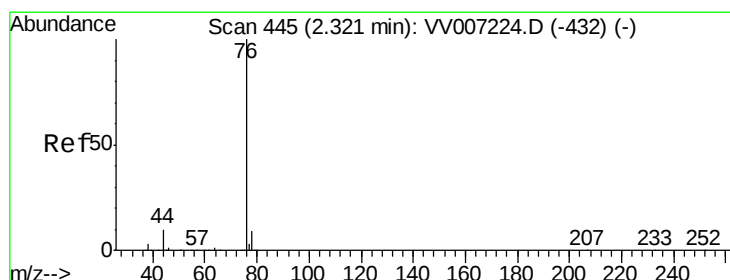
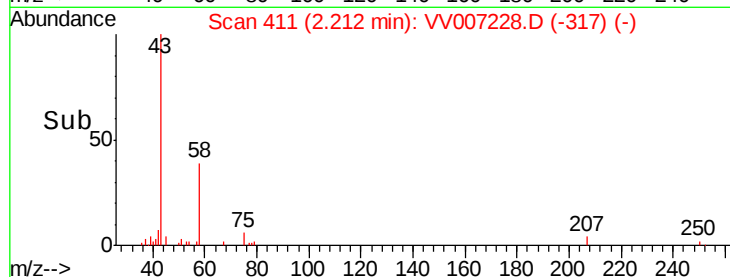
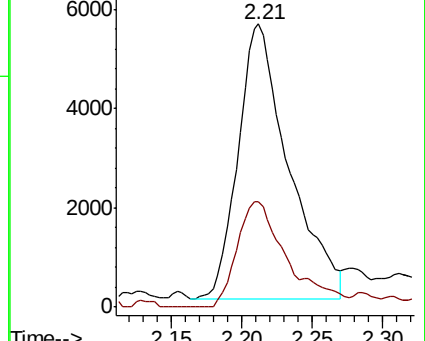
43 100

58 38.2 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VV007228.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007228.D (-396) (-)



#14

Carbon disulfide

Concen: 0.484 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007228.D

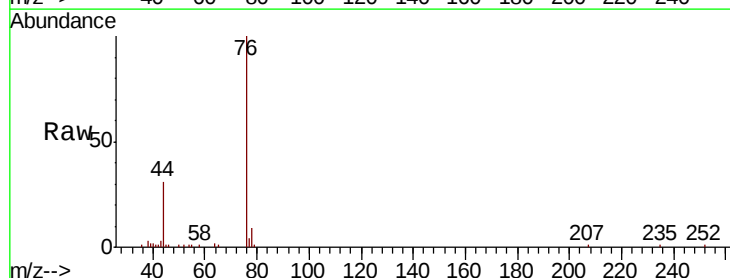
Acq: 28 Aug 2018 15:18

Tgt Ion: 76 Resp: 27120

Ion Ratio Lower Upper

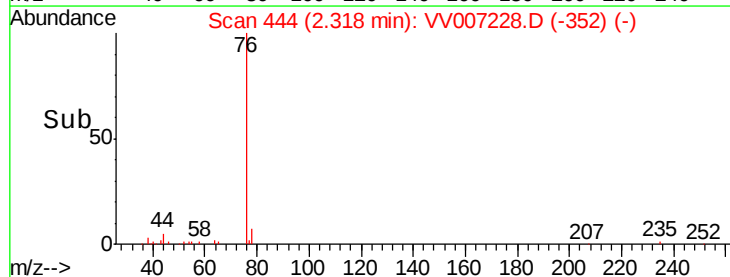
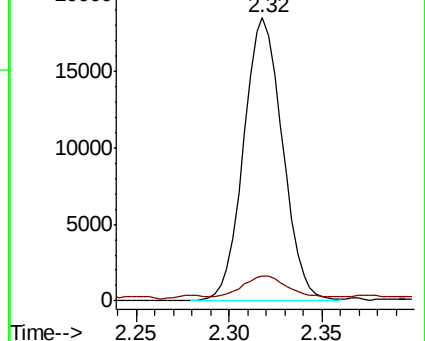
76 100

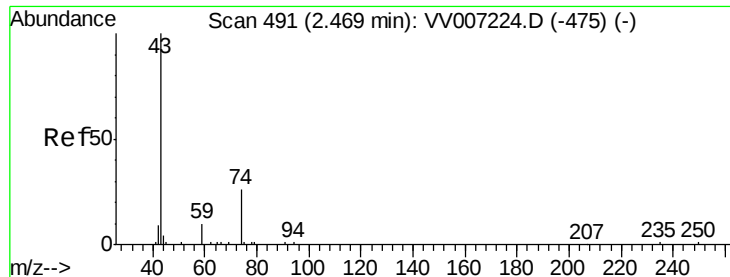
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007228.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007228.D (-432) (-)





#15

Methyl Acetate

Concen: 0.475 ug/L

RT: 2.47 min Scan# 492

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

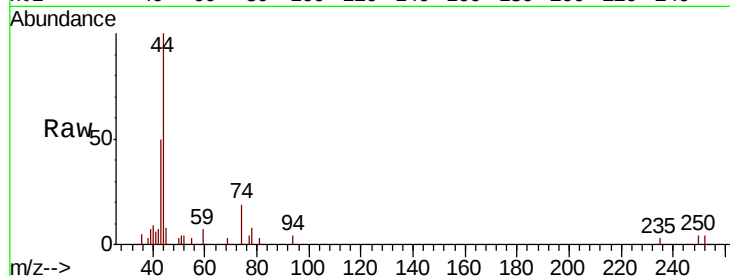
VSTD0.561

Tgt Ion: 43 Resp: 3360

Ion Ratio Lower Upper

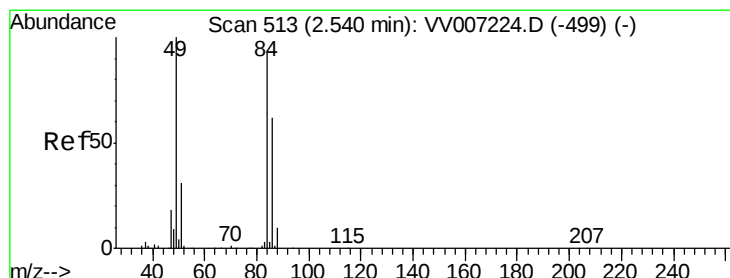
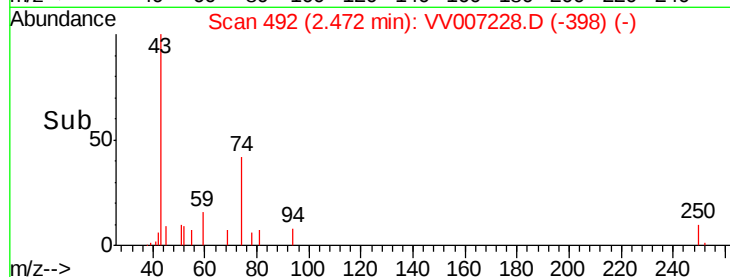
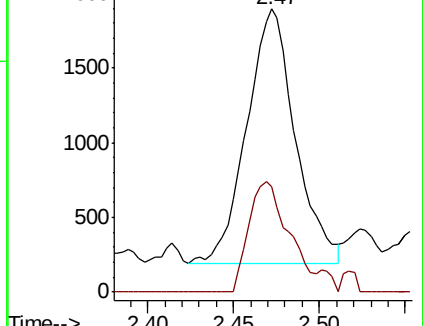
43 100

74 35.7 22.2 33.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.522 ug/L

RT: 2.54 min Scan# 512

Delta R.T. -0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

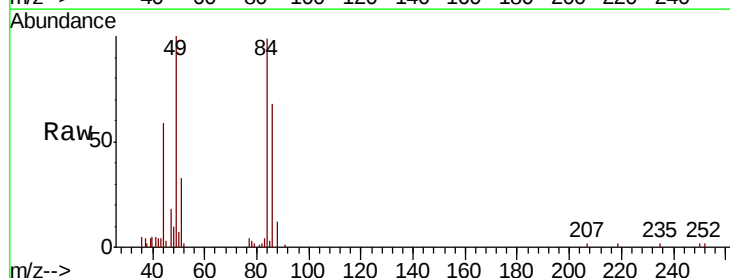
Tgt Ion: 84 Resp: 11989

Ion Ratio Lower Upper

84 100

86 68.6 46.3 85.9

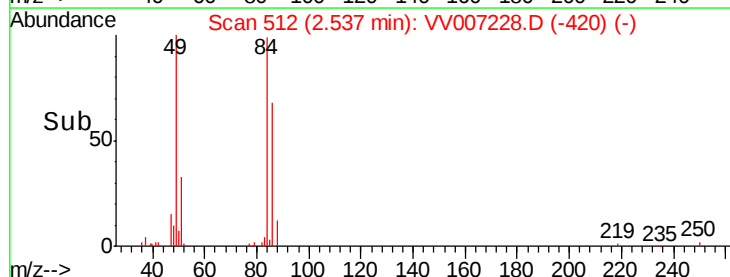
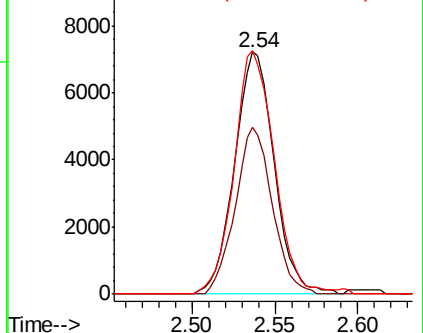
49 100.5 75.2 139.6

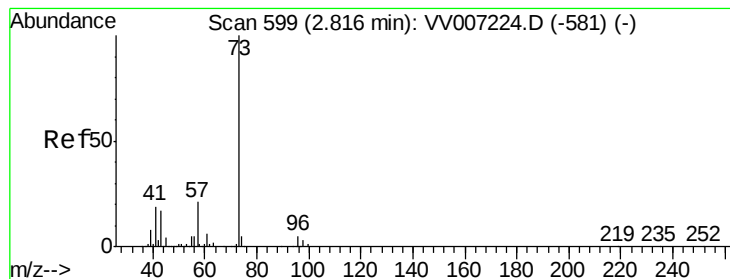


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 0.468 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

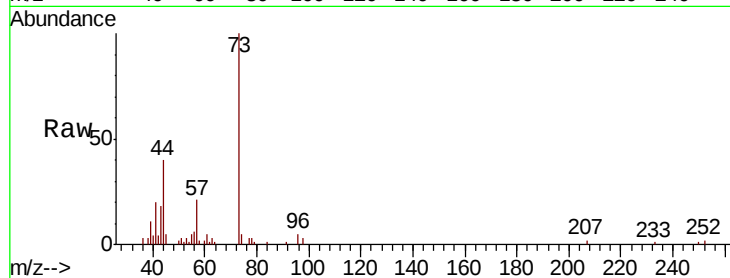
Tgt Ion: 73 Resp: 22089

Ion Ratio Lower Upper

73 100

43 15.9 13.8 20.6

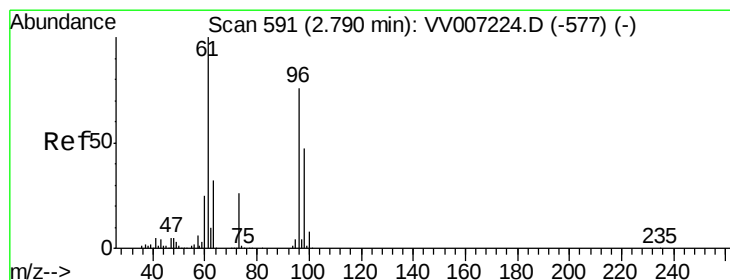
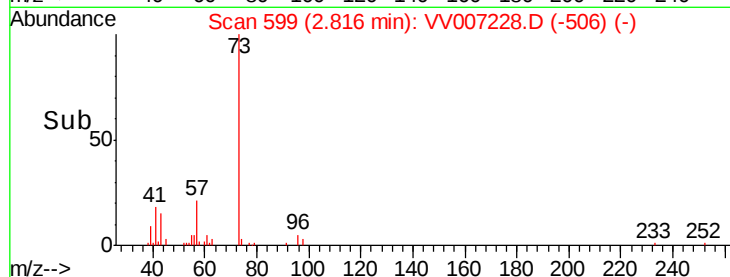
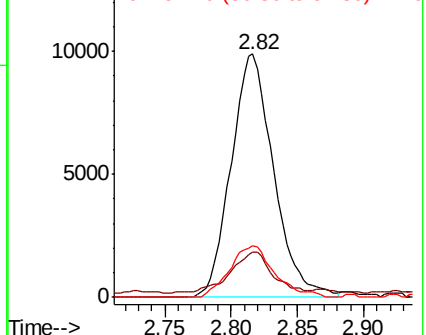
57 22.4 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.448 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

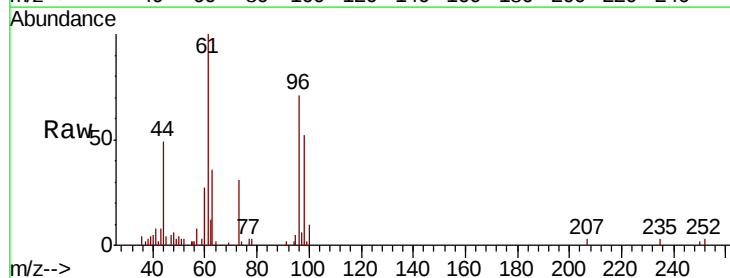
Tgt Ion: 96 Resp: 9512

Ion Ratio Lower Upper

96 100

61 140.4 92.7 172.1

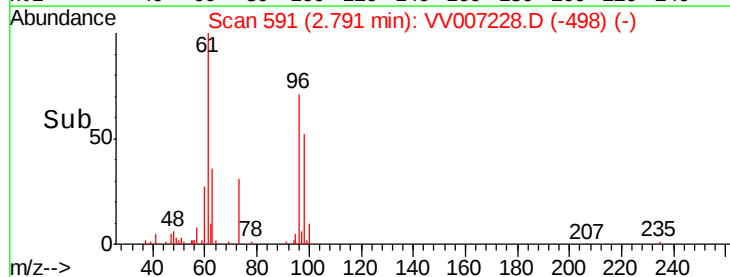
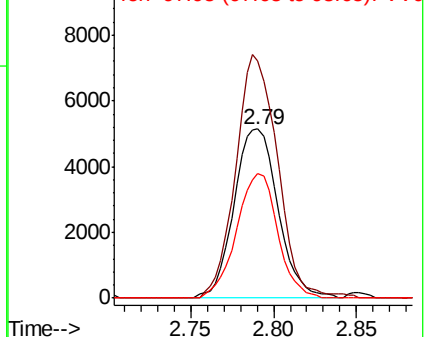
98 73.4 43.2 80.2

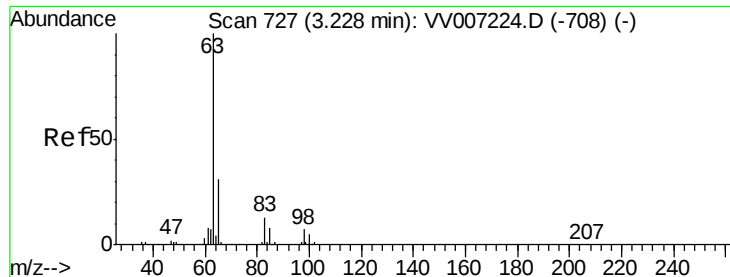


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

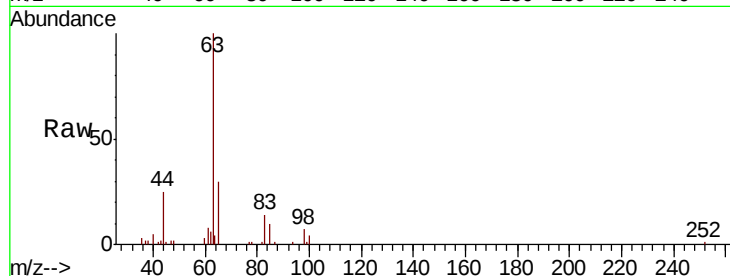




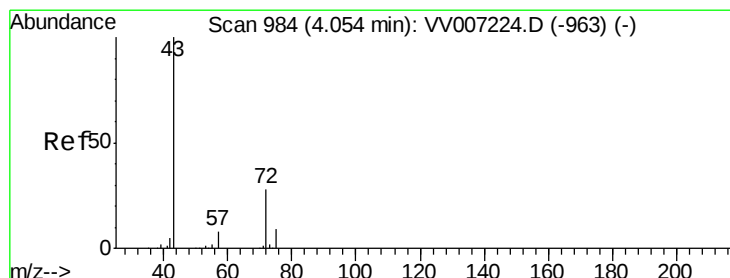
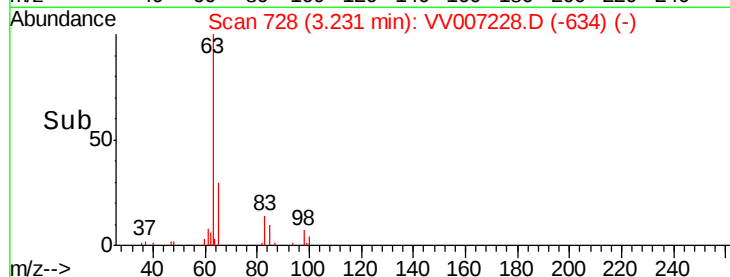
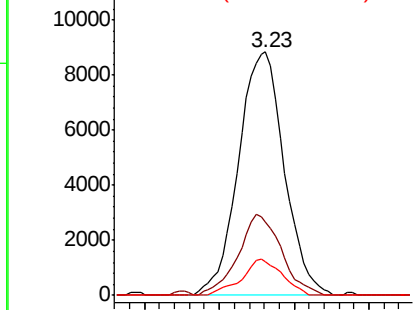
#19
 1,1-Dichloroethane
 Concen: 0.468 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

Tgt Ion: 63 Resp: 18785
 Ion Ratio Lower Upper
 63 100
 65 30.2 21.8 40.4
 83 13.8 9.4 17.4

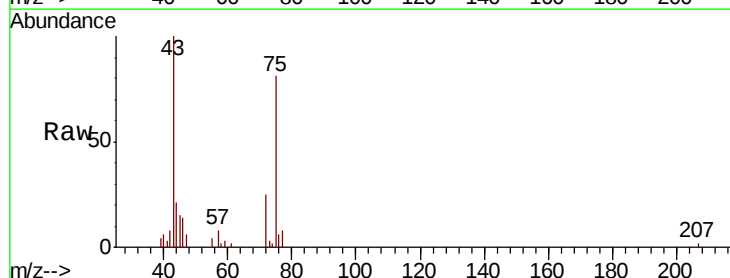


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

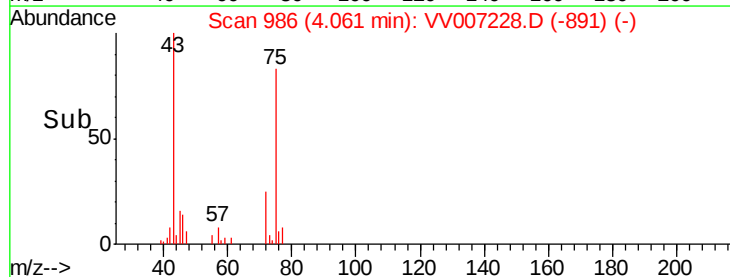
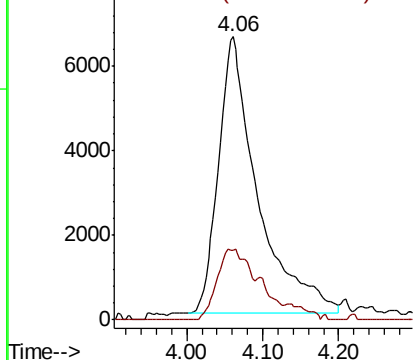


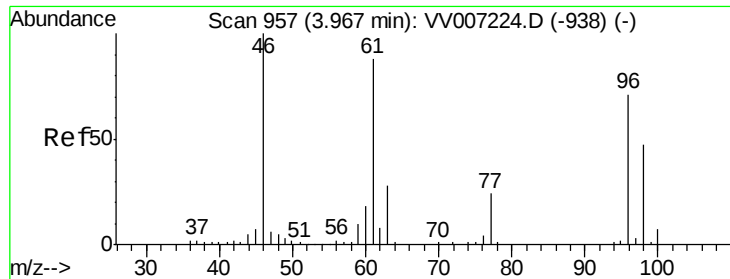
#21
 2-Butanone
 Concen: 4.232 ug/L
 RT: 4.06 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

Tgt Ion: 43 Resp: 23328
 Ion Ratio Lower Upper
 43 100
 72 20.7 12.4 37.0



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



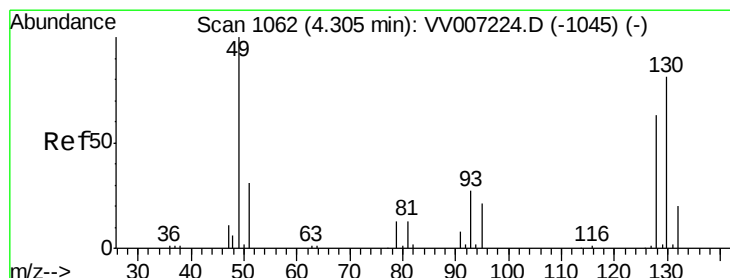
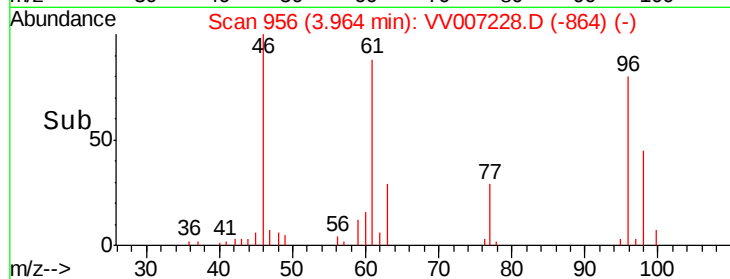
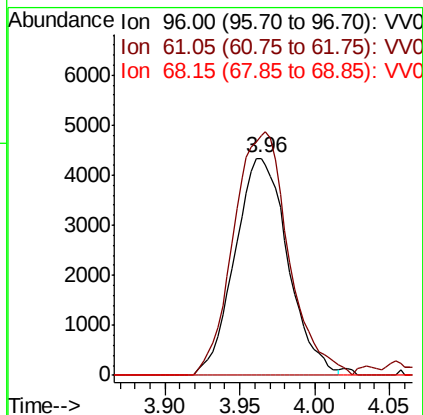
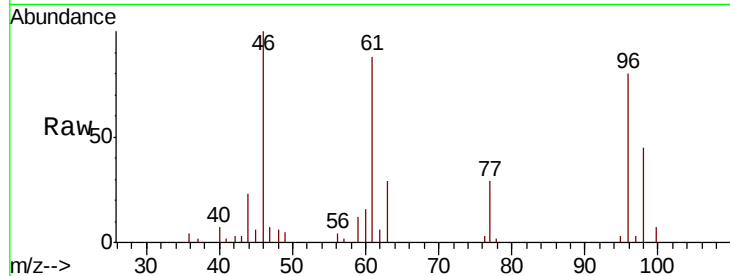


#22

cis-1,2-Dichloroethene
Concen: 0.455 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV007228.D
Acq: 28 Aug 2018 15:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

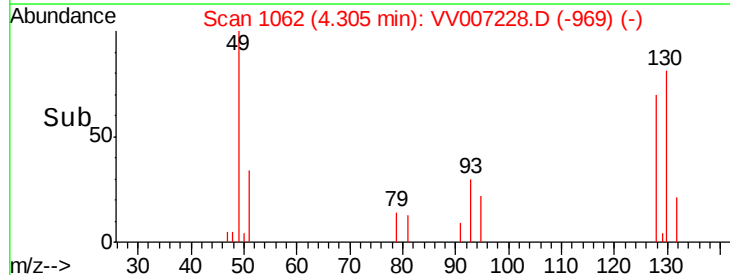
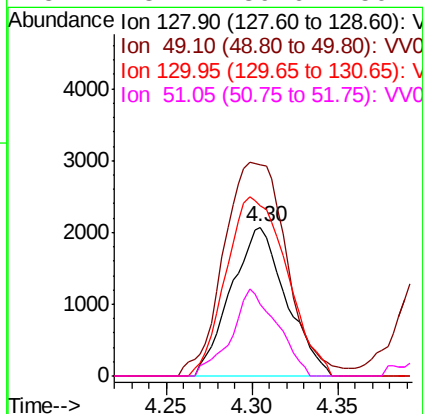
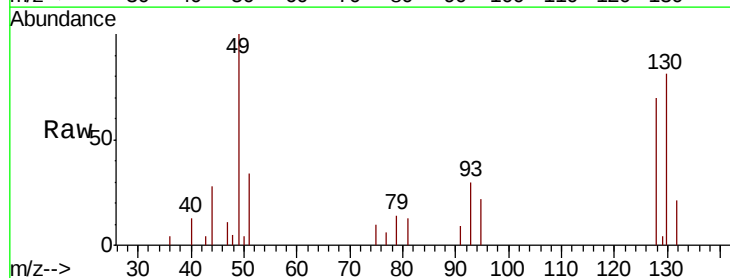
Tgt Ion: 96 Resp: 10703
Ion Ratio Lower Upper
96 100
61 110.6 87.1 161.7
68 0.0 0.0 0.0

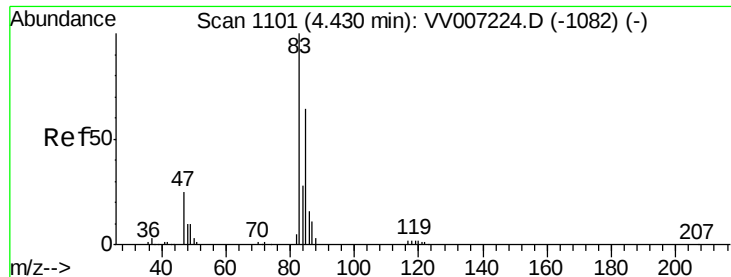


#23

Bromochloromethane
Concen: 0.430 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV007228.D
Acq: 28 Aug 2018 15:18

Tgt Ion: 128 Resp: 4633
Ion Ratio Lower Upper
128 100
49 142.0 111.1 206.3
130 115.0 90.0 167.2
51 48.2 39.6 59.4





#25

Chloroform

Concen: 0.443 ug/L

RT: 4.43 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

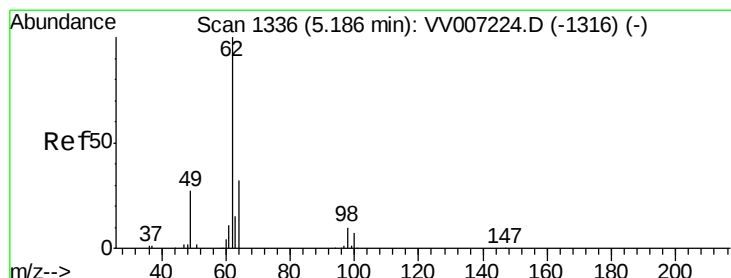
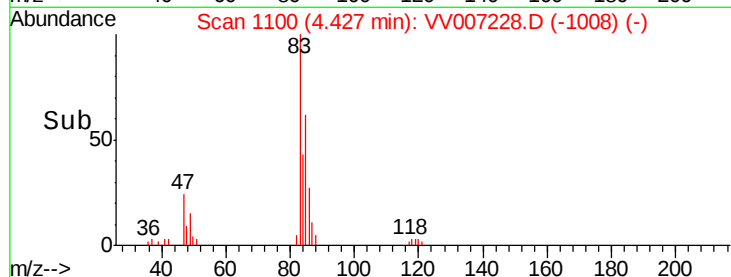
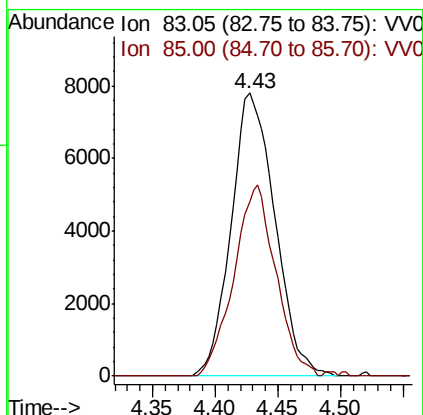
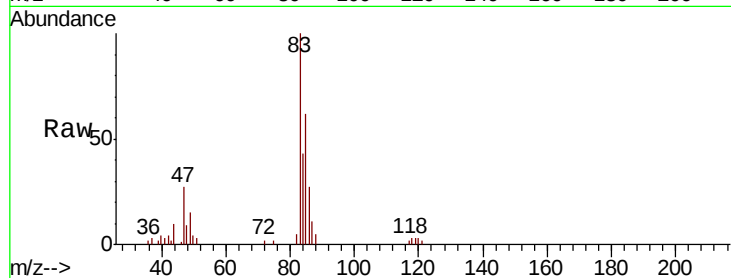
VSTD0.561

Tgt Ion: 83 Resp: 18939

Ion Ratio Lower Upper

83 100

85 61.7 45.0 83.6



#27

1,2-Dichloroethane

Concen: 0.453 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VV007228.D

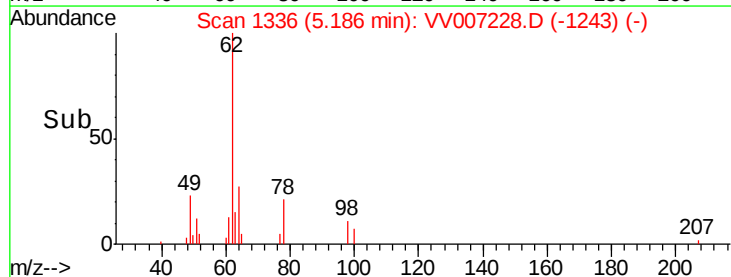
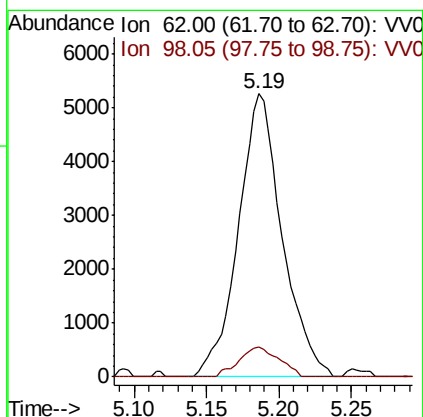
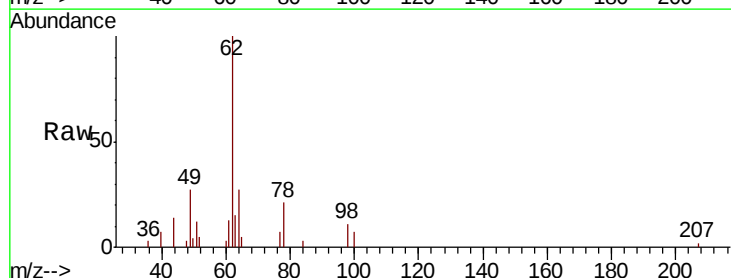
Acq: 28 Aug 2018 15:18

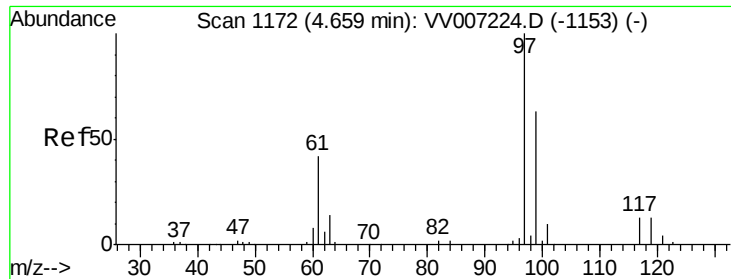
Tgt Ion: 62 Resp: 11025

Ion Ratio Lower Upper

62 100

98 10.8 8.1 12.1

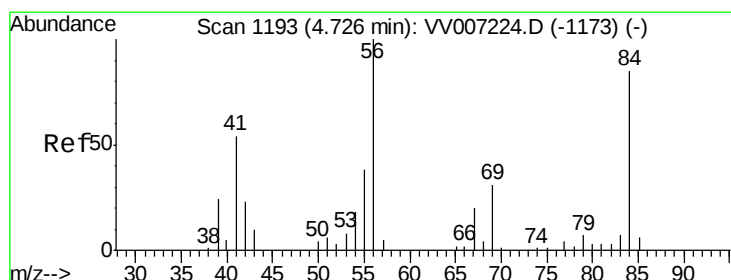
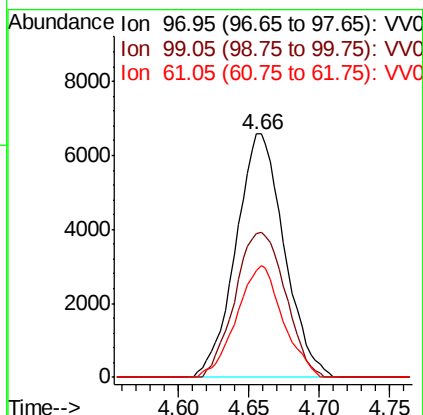
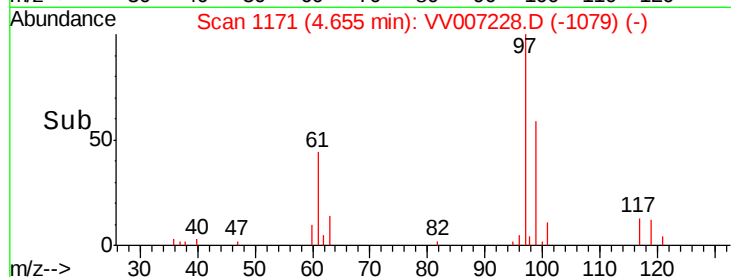
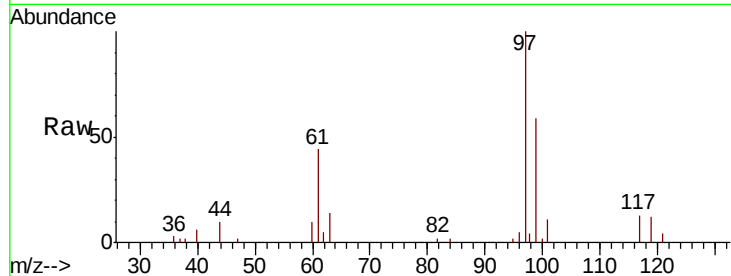




#29
 1,1,1-Trichloroethane
 Concen: 0.442 ug/L
 RT: 4.66 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

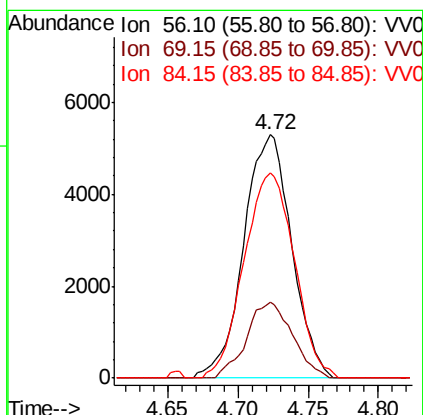
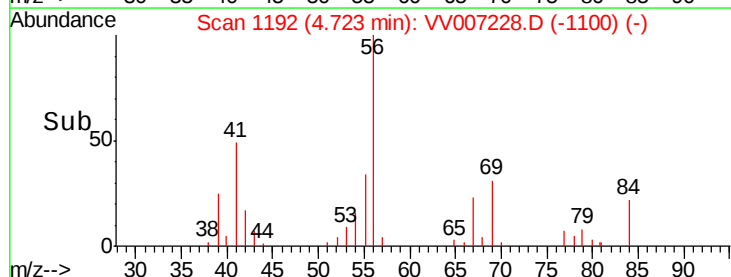
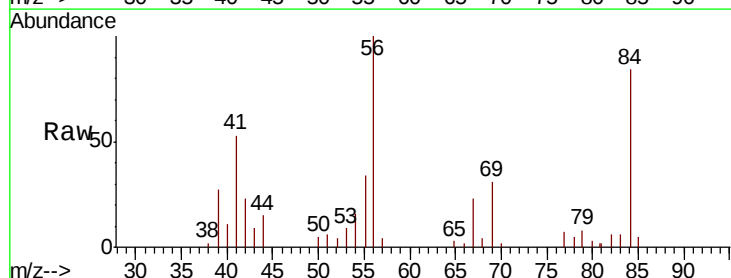
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

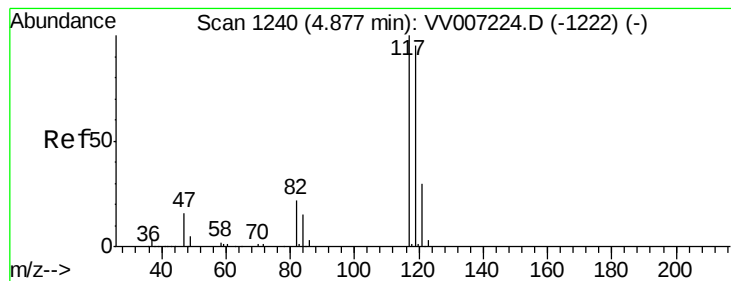
Tgt Ion: 97 Resp: 15740
 Ion Ratio Lower Upper
 97 100
 99 62.1 50.8 76.2
 61 43.9 34.6 51.8



#30
 Cyclohexane
 Concen: 0.398 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

Tgt Ion: 56 Resp: 12572
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.8 37.2
 84 88.4 72.9 109.3





#31

Carbon tetrachloride

Concen: 0.437 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

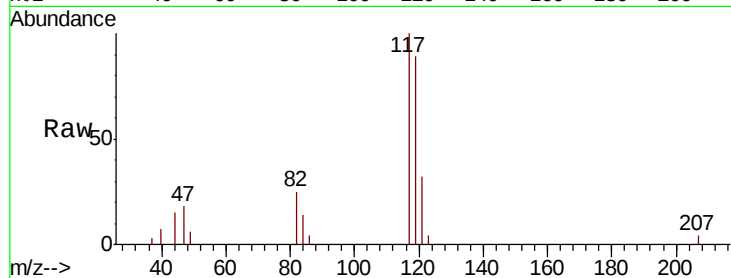
VSTD0.561

Tgt Ion:117 Resp: 13014

Ion Ratio Lower Upper

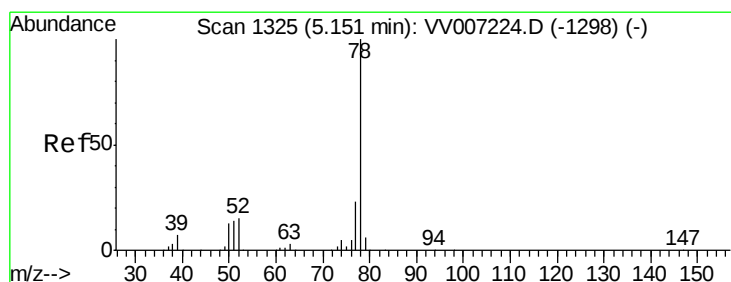
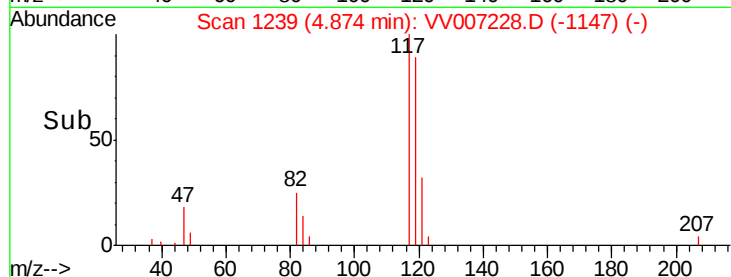
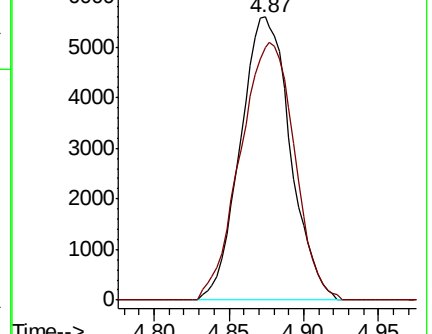
117 100

119 98.5 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.409 ug/L

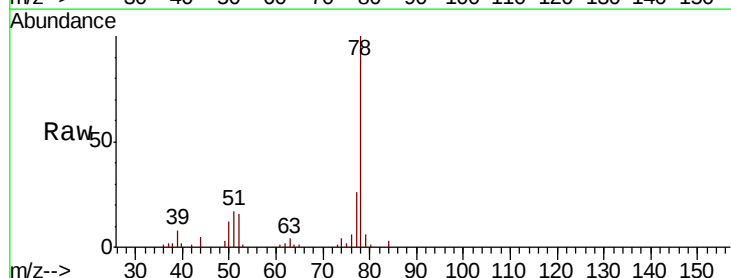
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Tgt Ion: 78 Resp: 36984



Abundance Ion 78.10 (77.80 to 78.80): VV0

20000

15000

10000

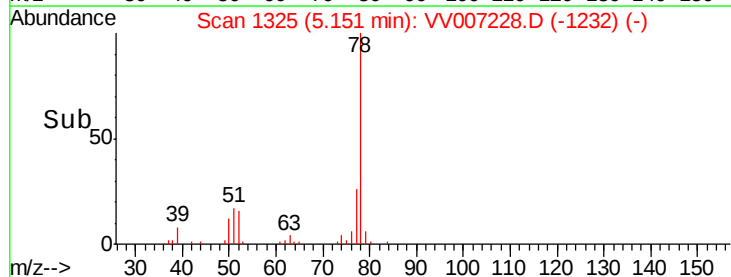
5000

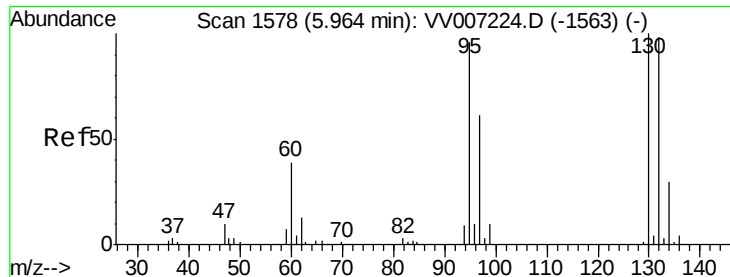
0

5.10

5.20

Time-->





#34

Trichloroethene

Concen: 0.482 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

Tgt Ion: 95 Resp: 10516

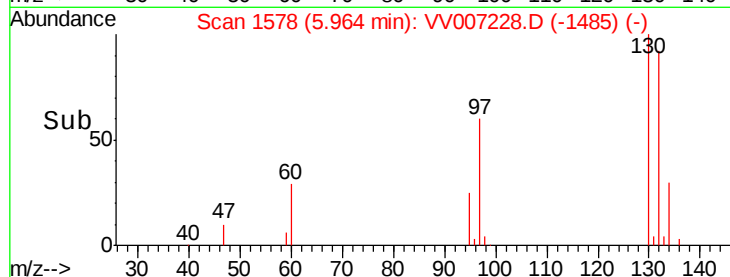
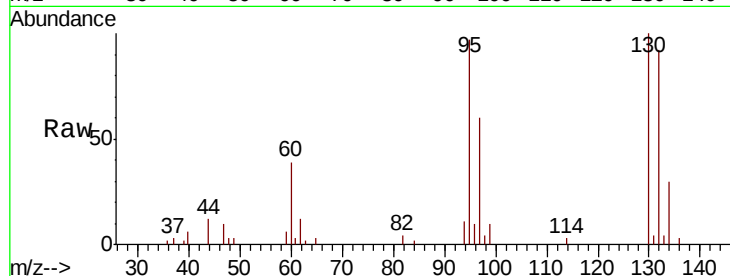
Ion Ratio Lower Upper

95 100

97 61.3 44.2 82.2

132 95.0 71.3 132.3

130 102.7 72.8 135.2

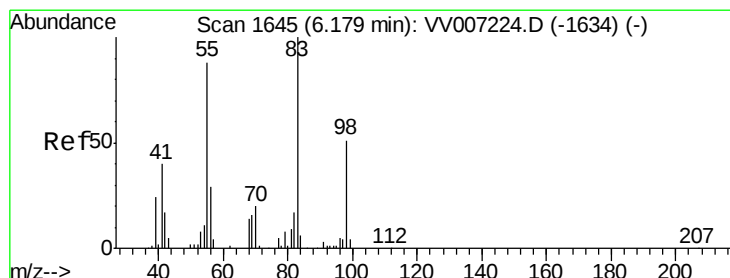
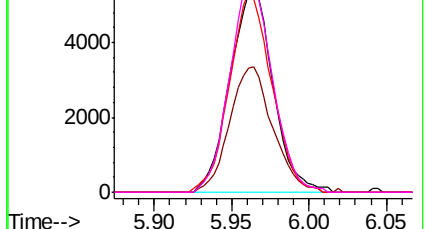


Abundance Ion 95.00 (94.70 to 95.70): VV007228.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV007228.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV007228.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV007228.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.395 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

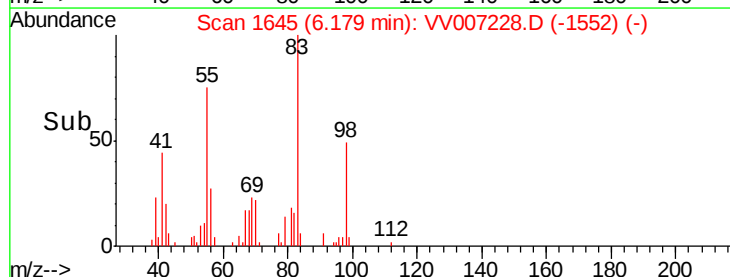
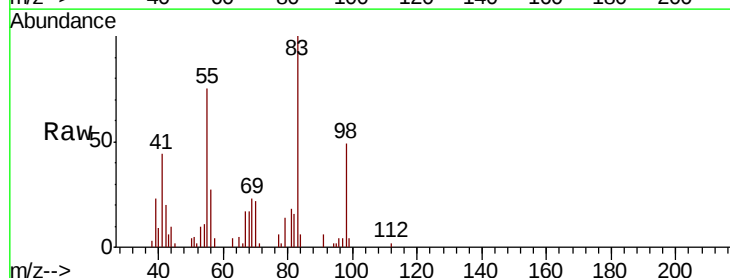
Tgt Ion: 83 Resp: 12836

Ion Ratio Lower Upper

83 100

55 82.8 64.0 96.0

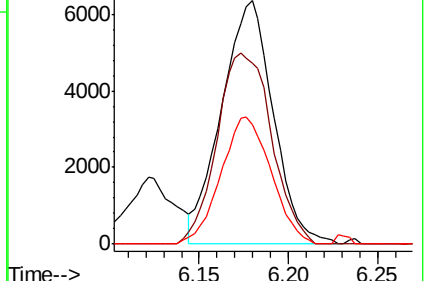
98 50.7 38.8 58.2

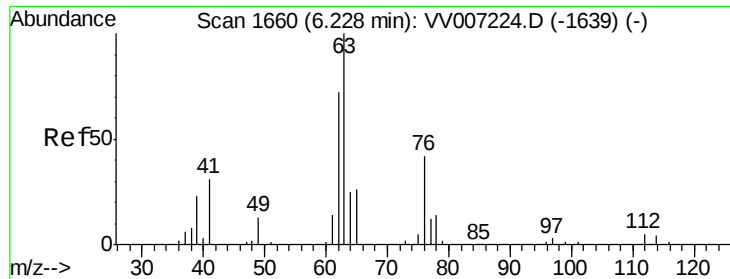


Abundance Ion 83.15 (82.85 to 83.85): VV007228.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV007228.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV007228.D (-1552) (-)

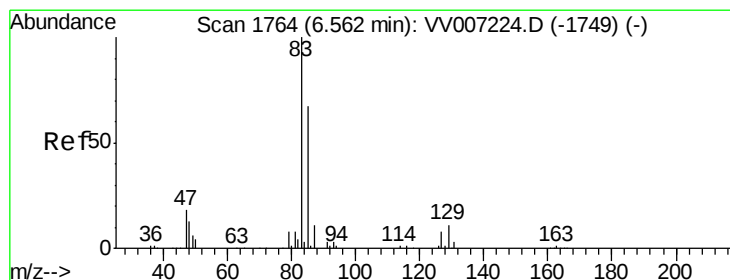
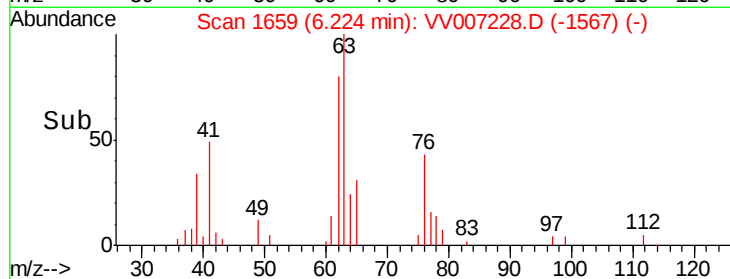
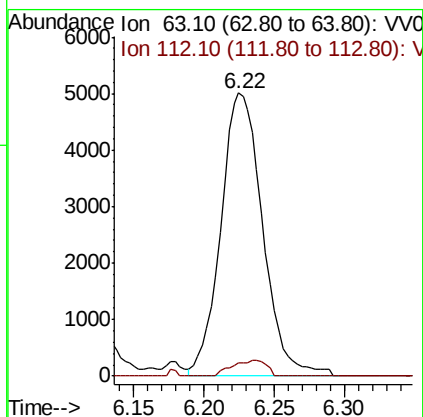
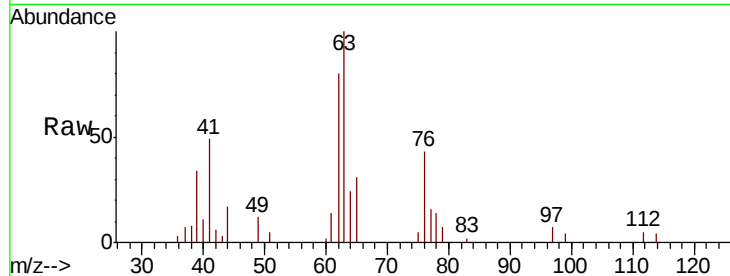




#37
 1,2-Dichloropropane
 Concen: 0.426 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

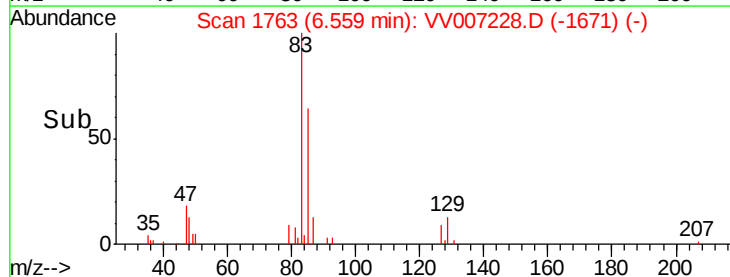
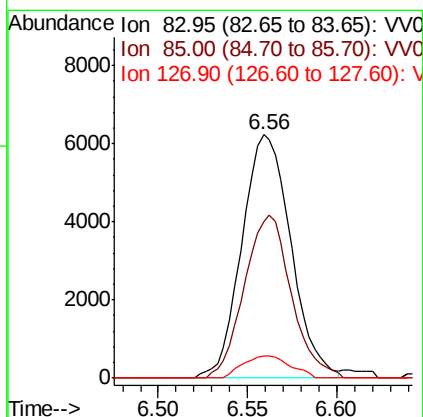
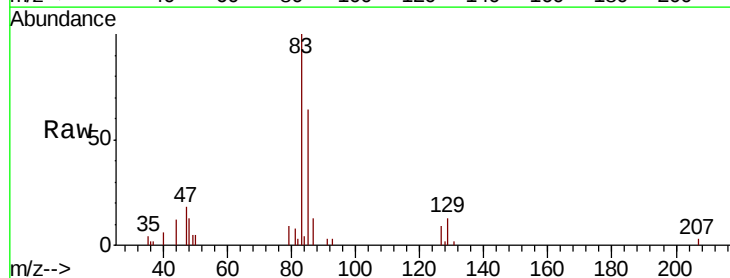
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

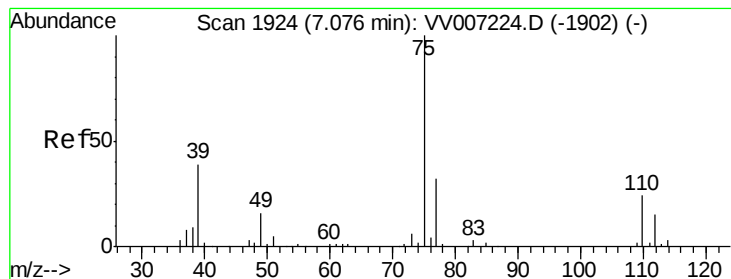
Tgt Ion: 63 Resp: 10381
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.9 5.9



#38
 Bromodichloromethane
 Concen: 0.421 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

Tgt Ion: 83 Resp: 11958
 Ion Ratio Lower Upper
 83 100
 85 64.5 46.5 86.5
 127 9.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 0.400 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

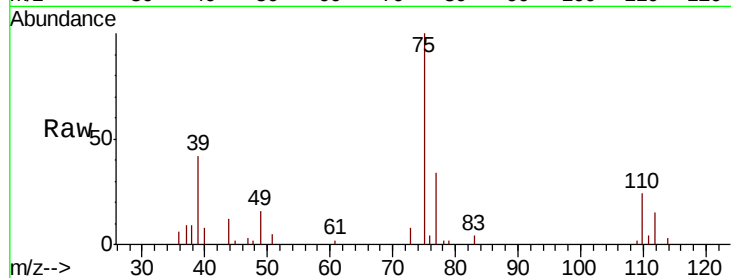
VSTD0.561

Tgt Ion: 75 Resp: 11595

Ion Ratio Lower Upper

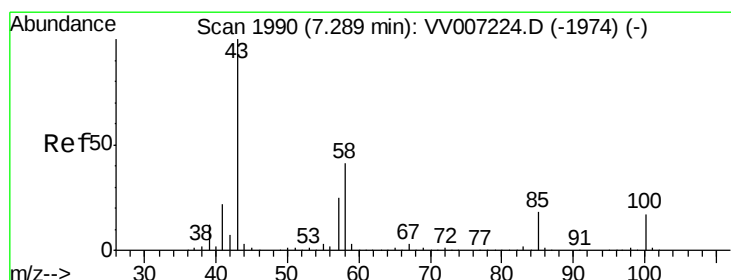
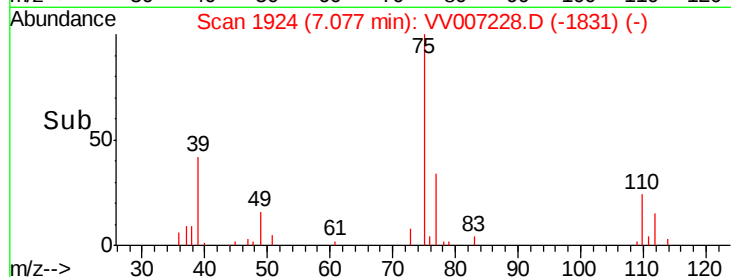
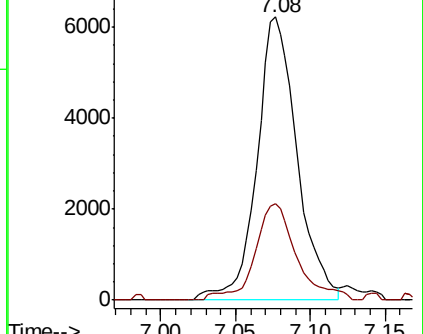
75 100

77 34.0 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV007224.D (-1902) (-)

Ion 77.05 (76.75 to 77.75): VV007224.D (-1902) (-)



#40

4-Methyl-2-pentanone

Concen: 3.517 ug/L

RT: 7.29 min Scan# 1991

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

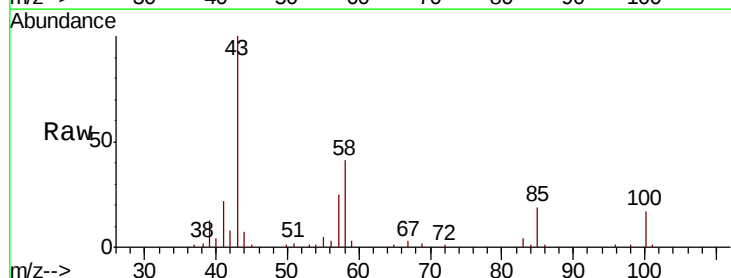
Tgt Ion: 43 Resp: 42364

Ion Ratio Lower Upper

43 100

58 37.9 33.8 50.8

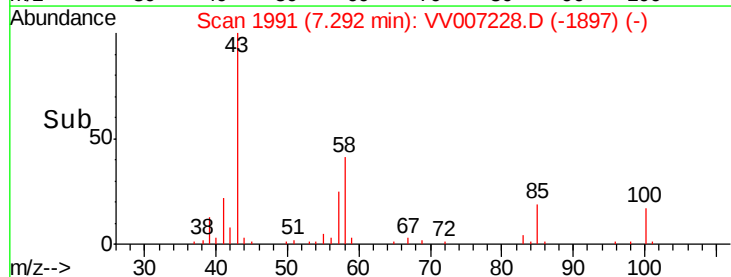
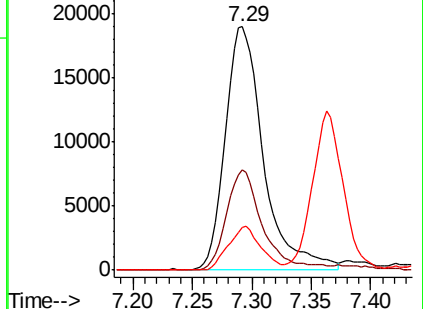
100 15.4 13.1 19.7

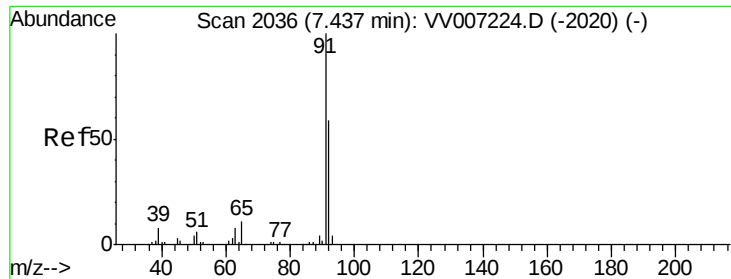


Abundance Ion 43.05 (42.75 to 43.75): VV007228.D (-1897) (-)

Ion 58.05 (57.75 to 58.75): VV007228.D (-1897) (-)

Ion 100.15 (99.85 to 100.85): VV007228.D (-1897) (-)





#42

Toluene

Concen: 0.385 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

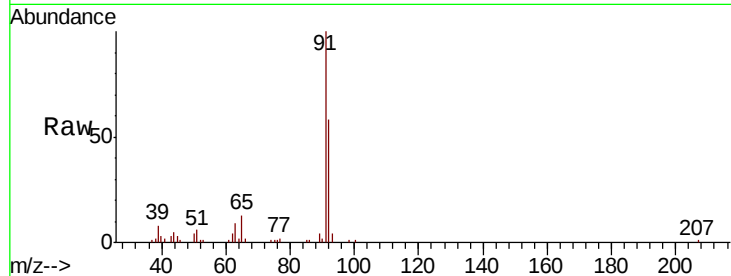
VSTD0.561

Tgt Ion: 91 Resp: 33341

Ion Ratio Lower Upper

91 100

92 57.6 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV007228.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV007228.D (-1943) (-)

7.44

20000

15000

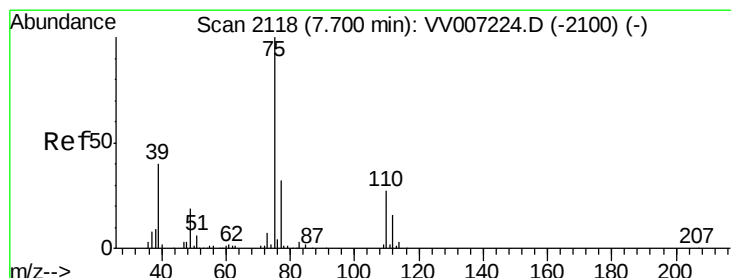
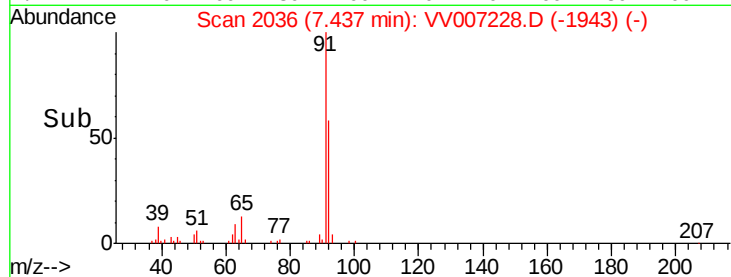
10000

5000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.383 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007228.D

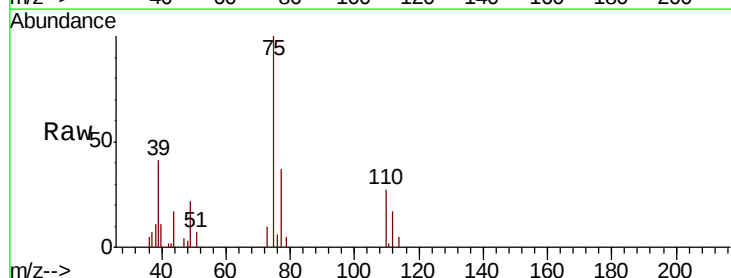
Acq: 28 Aug 2018 15:18

Tgt Ion: 75 Resp: 9230

Ion Ratio Lower Upper

75 100

77 37.1 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV007228.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV007228.D (-2025) (-)

7.70

6000

5000

4000

3000

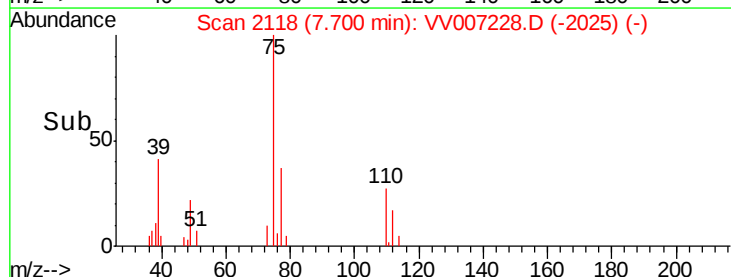
2000

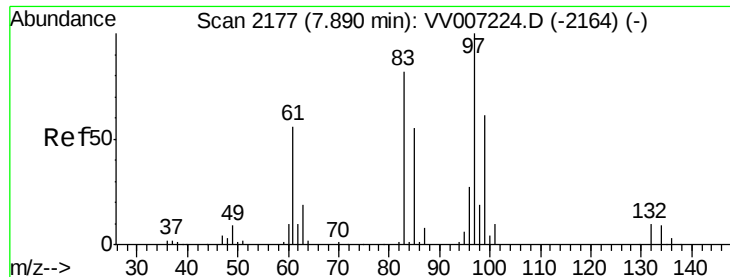
1000

0

7.65 7.70 7.75

Time-->

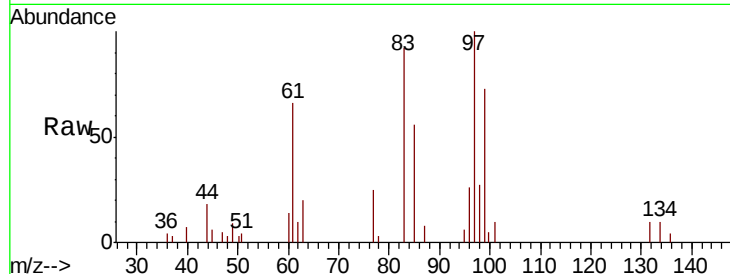




#45
 1,1,2-Trichloroethane
 Concen: 0.445 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

Tgt Ion:	97	Resp:	7358
Ion	Ratio	Lower	Upper
97	100		
99	73.1	42.6	79.0
83	91.8	57.3	106.3
85	56.1	38.3	71.1



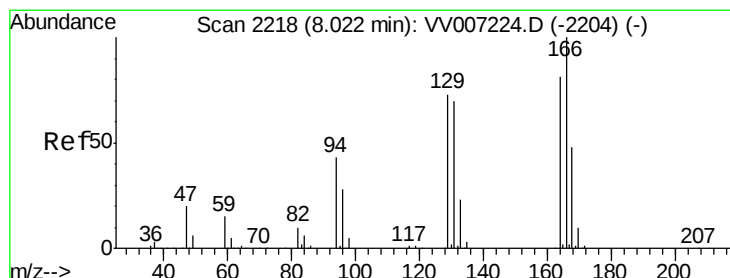
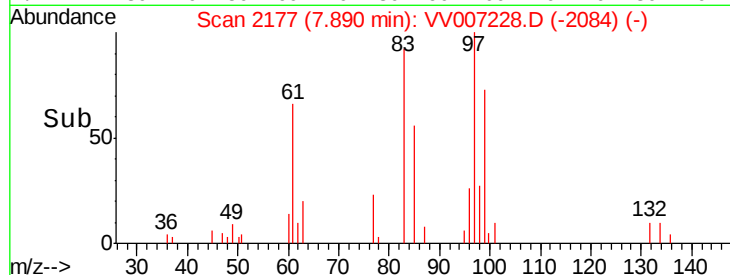
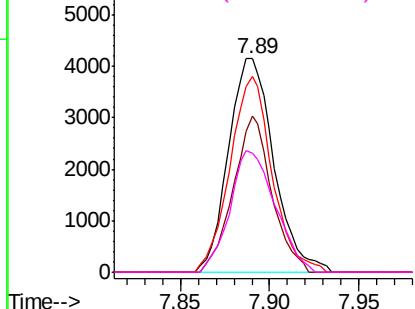
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

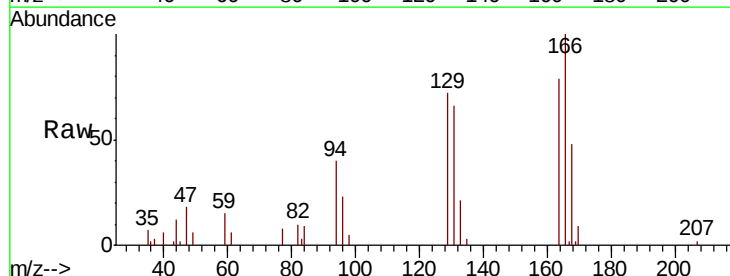
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.455 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

Tgt Ion:	164	Resp:	8312
Ion	Ratio	Lower	Upper
164	100		
129	91.1	62.7	116.5
131	83.7	60.1	111.7
166	127.1	86.4	160.4



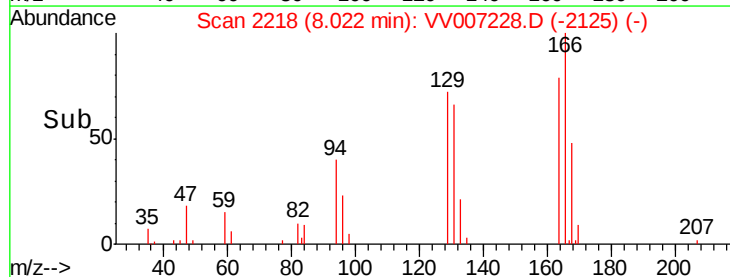
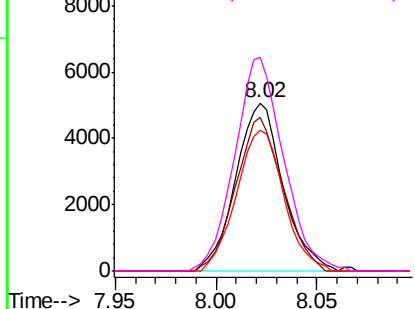
Abundance

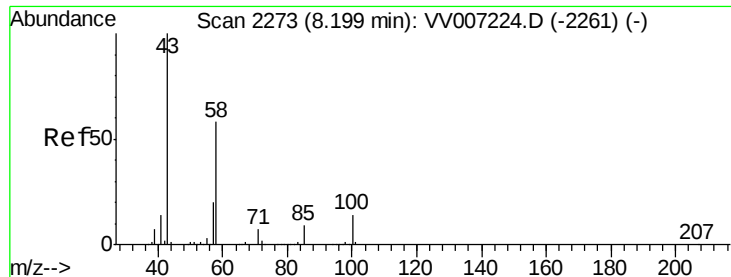
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

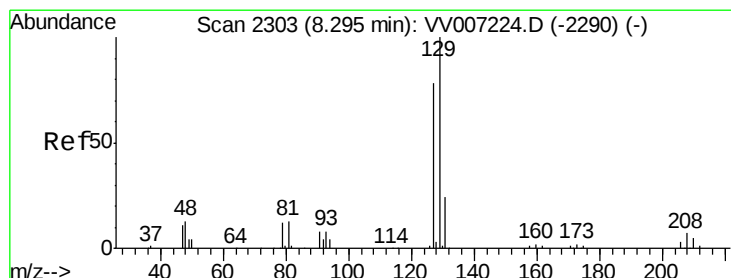
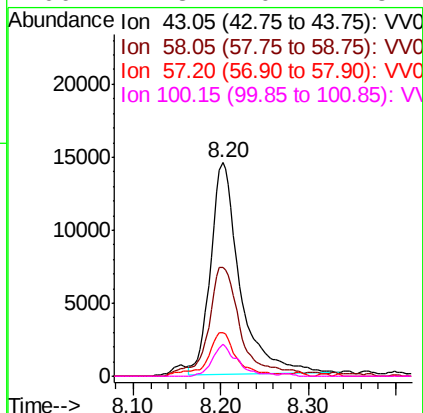
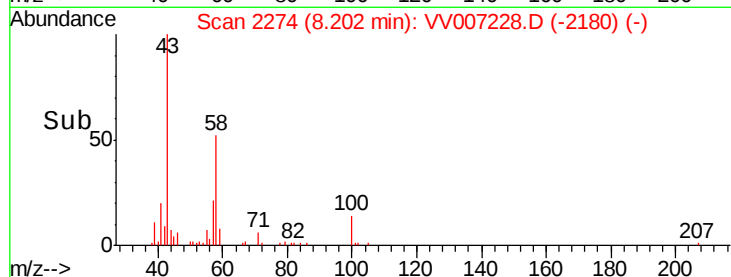
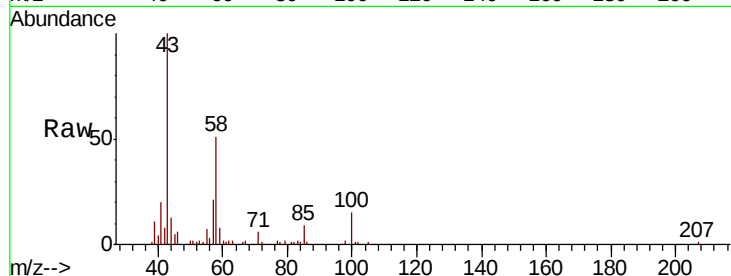




#48
2-Hexanone
Concen: 3.740 ug/L
RT: 8.20 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007228.D
Acq: 28 Aug 2018 15:18

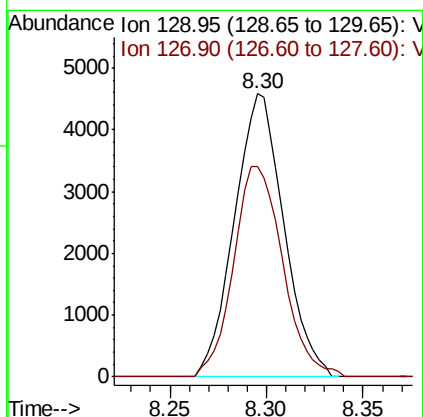
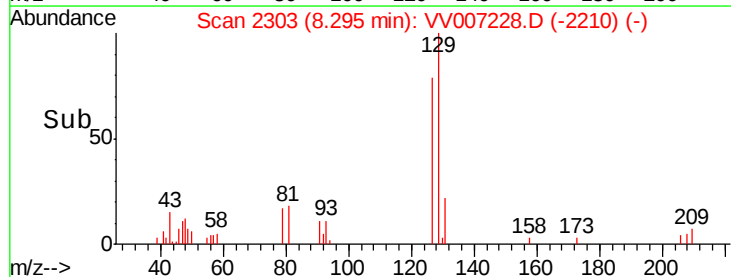
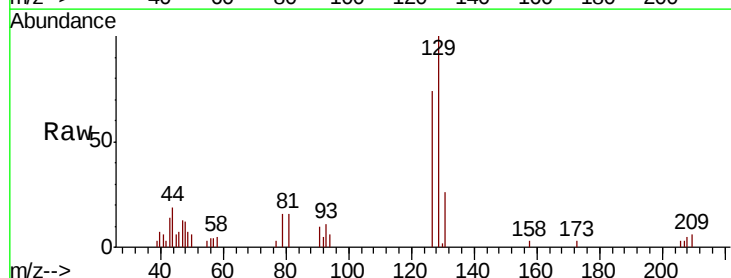
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

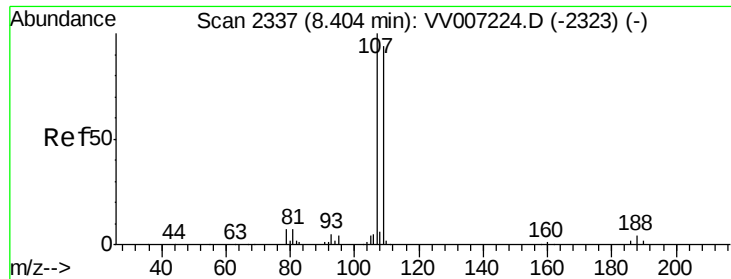
Tgt Ion: 43 Resp: 33724
Ion Ratio Lower Upper
43 100
58 57.0 50.0 75.0
57 21.1 16.6 25.0
100 12.3 10.2 15.4



#49
Dibromochloromethane
Concen: 0.448 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007228.D
Acq: 28 Aug 2018 15:18

Tgt Ion: 129 Resp: 8143
Ion Ratio Lower Upper
129 100
127 74.4 54.9 101.9

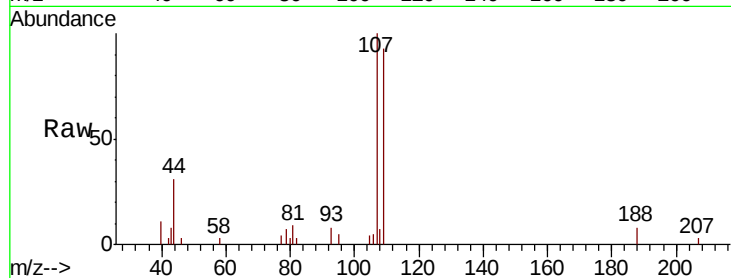




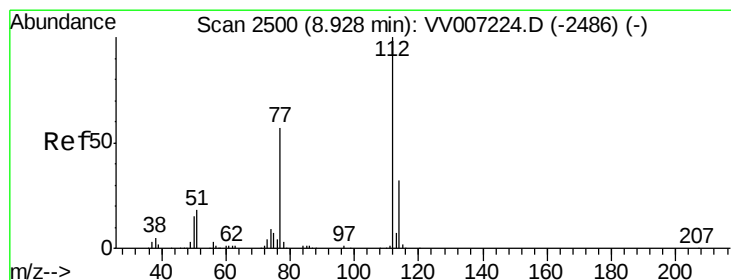
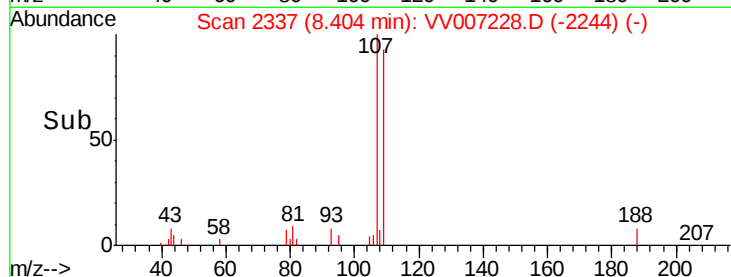
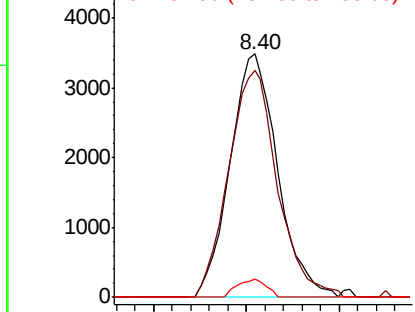
#50
1,2-Dibromoethane
Concen: 0.445 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV007228.D
Acq: 28 Aug 2018 15:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

Tgt Ion:107 Resp: 6190
Ion Ratio Lower Upper
107 100
109 93.0 65.9 122.3
188 7.5 3.5 5.3#

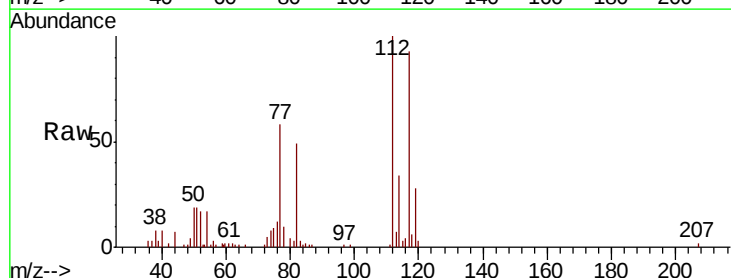


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

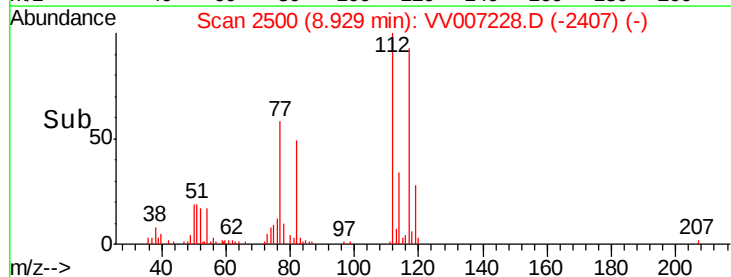
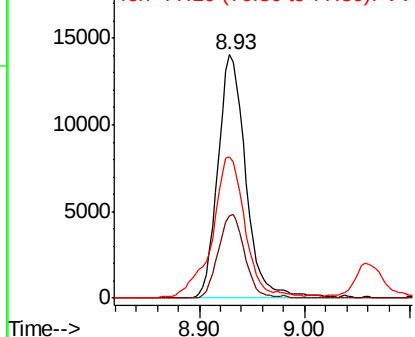


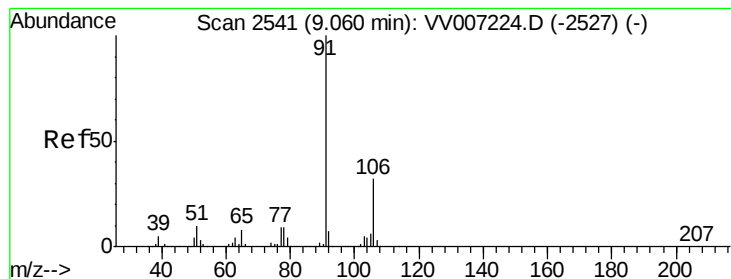
#51
Chlorobenzene
Concen: 0.447 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007228.D
Acq: 28 Aug 2018 15:18

Tgt Ion:112 Resp: 25715
Ion Ratio Lower Upper
112 100
114 33.6 22.0 41.0
77 58.2 45.9 68.9



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





#52

Ethylbenzene

Concen: 0.382 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

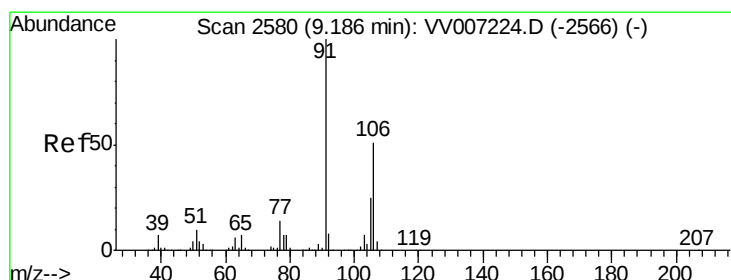
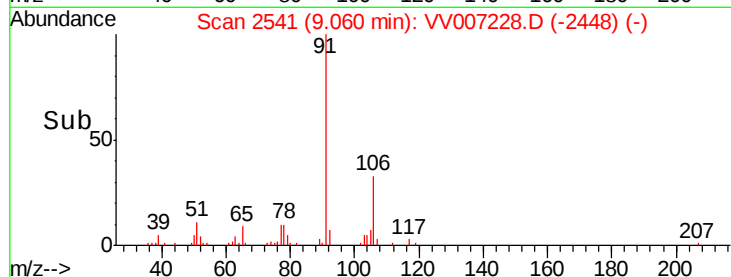
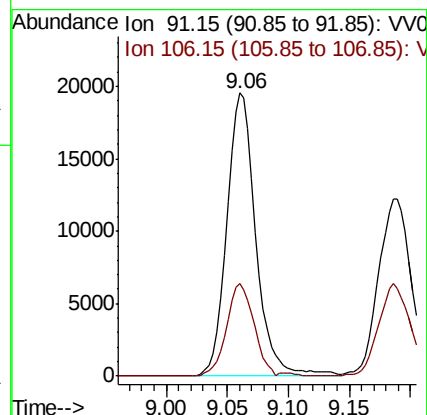
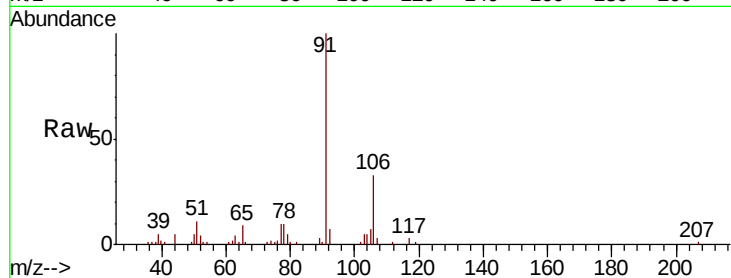
VSTD0.561

Tgt Ion: 91 Resp: 32673

Ion Ratio Lower Upper

91 100

106 32.9 22.3 41.3



#53

m,p-xylene

Concen: 0.370 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007228.D

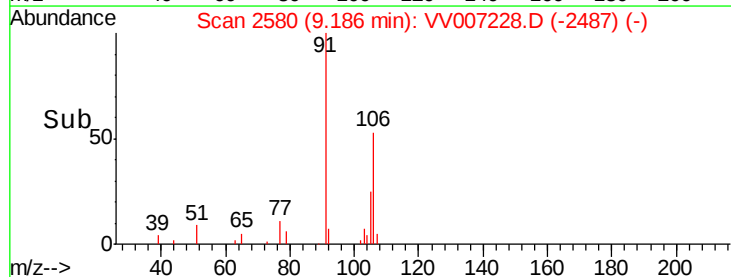
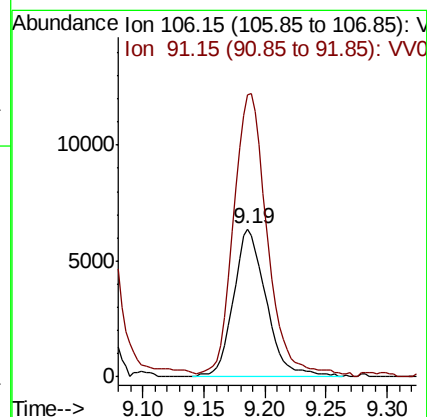
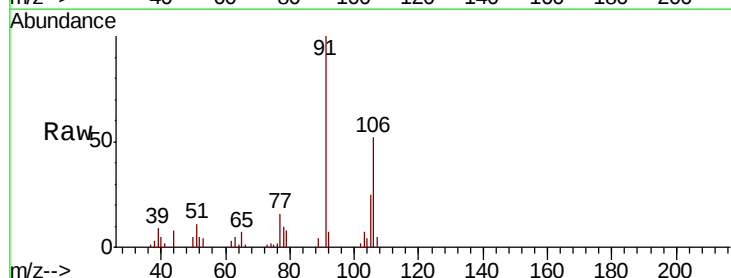
Acq: 28 Aug 2018 15:18

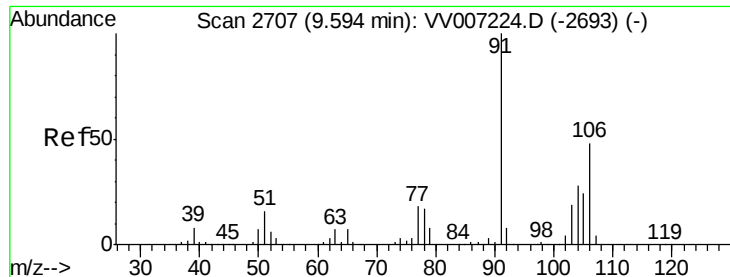
Tgt Ion: 106 Resp: 11942

Ion Ratio Lower Upper

106 100

91 190.9 138.4 257.0





#54

o-xylene

Concen: 0.345 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

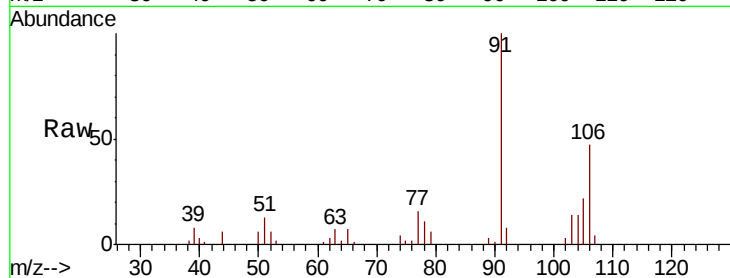
VSTD0.561

Tgt Ion:106 Resp: 10644

Ion Ratio Lower Upper

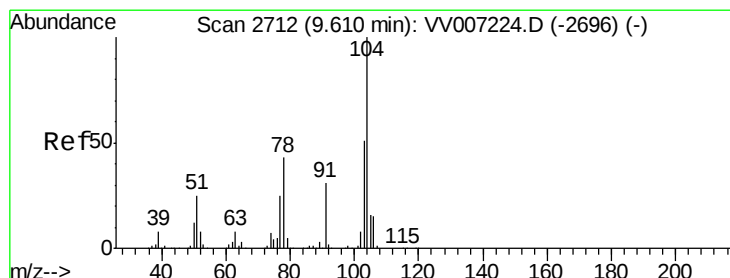
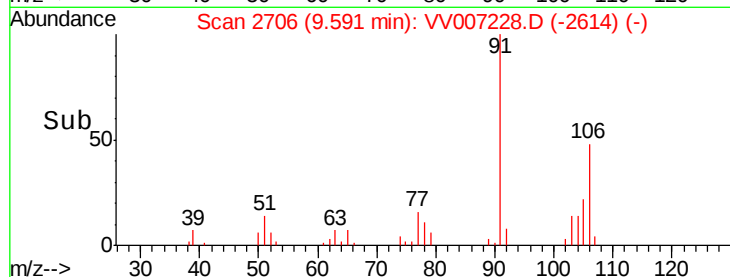
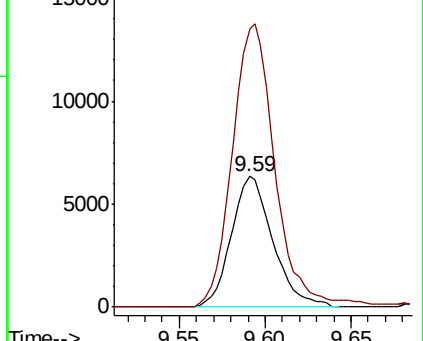
106 100

91 212.0 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.319 ug/L

RT: 9.61 min Scan# 2713

Delta R.T. 0.00 min

Lab File: VV007228.D

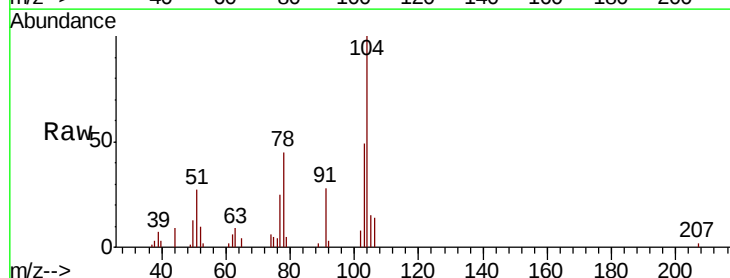
Acq: 28 Aug 2018 15:18

Tgt Ion:104 Resp: 16868

Ion Ratio Lower Upper

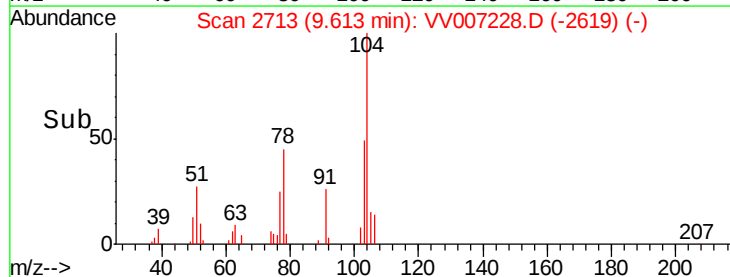
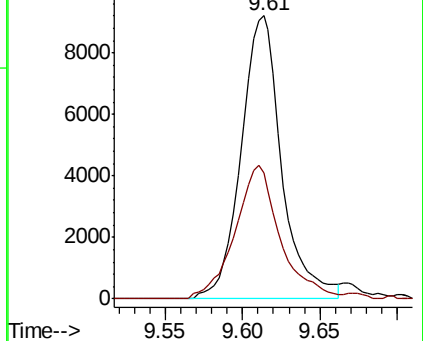
104 100

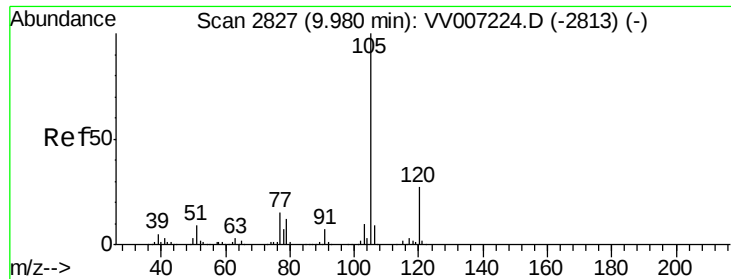
78 44.6 30.2 56.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.344 ug/L

RT: 9.98 min Scan# 2828

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

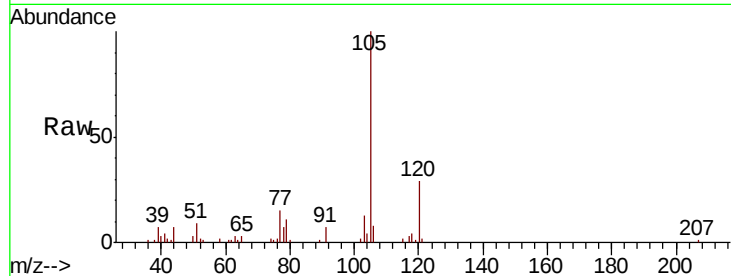
Tgt Ion:105 Resp: 27820

Ion Ratio Lower Upper

105 100

120 27.2 21.0 31.4

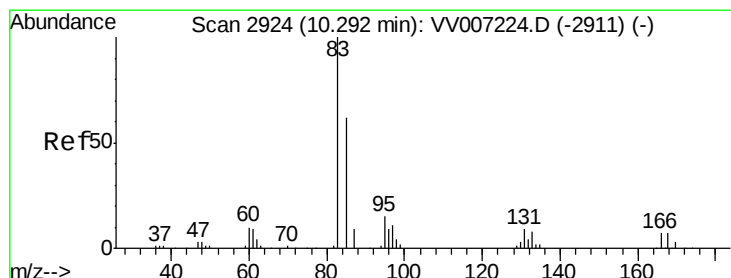
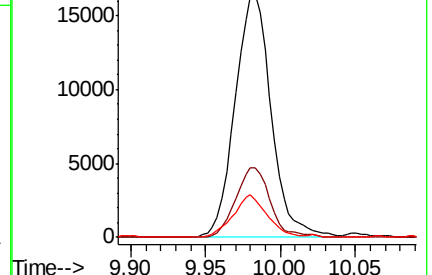
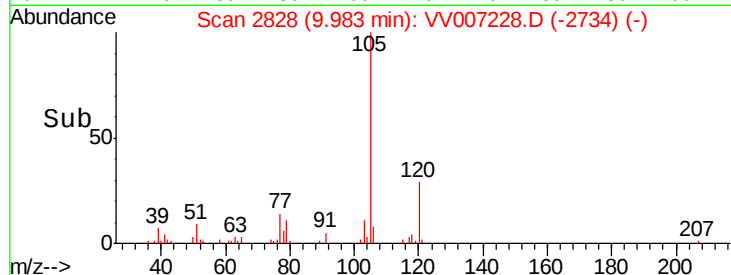
77 16.5 12.1 18.1



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: 0.425 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

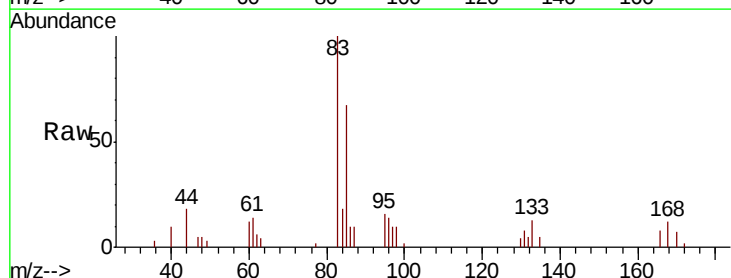
Tgt Ion: 83 Resp: 8282

Ion Ratio Lower Upper

83 100

85 67.5 43.7 81.1

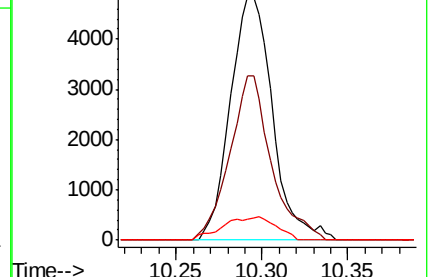
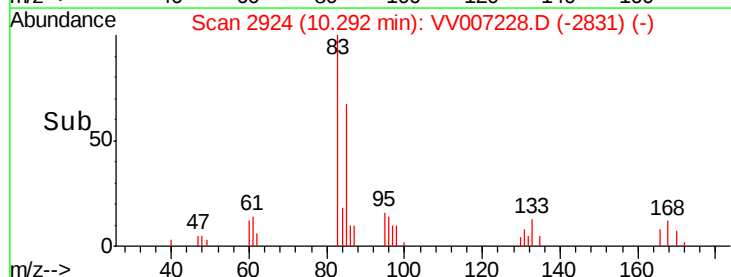
131 8.4 7.7 11.5

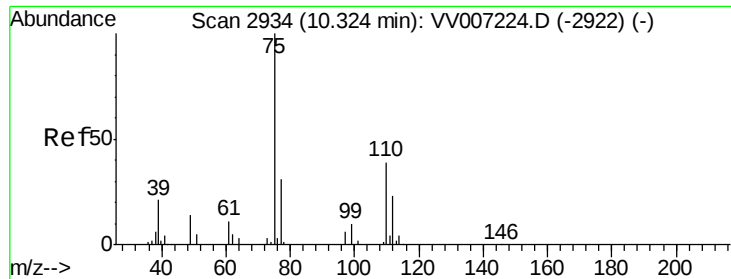


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

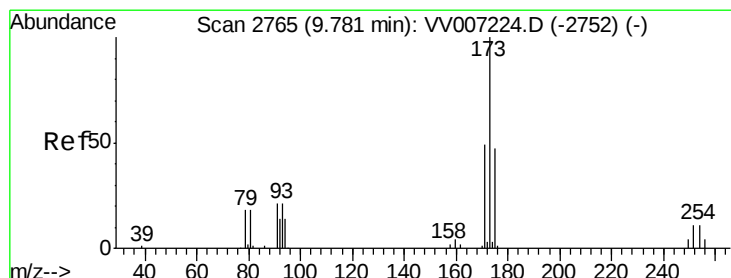
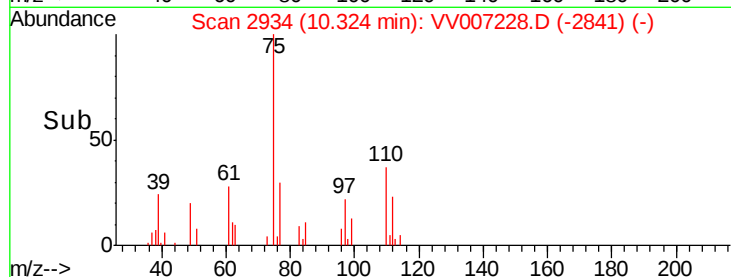
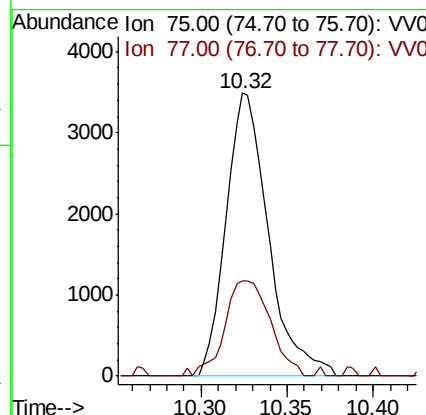
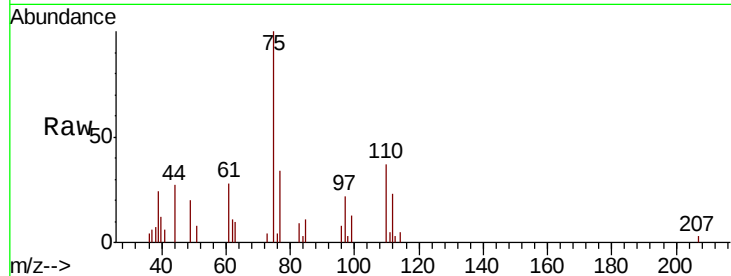




#59
 1,2,3-Trichloropropane
 Concen: 0.424 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

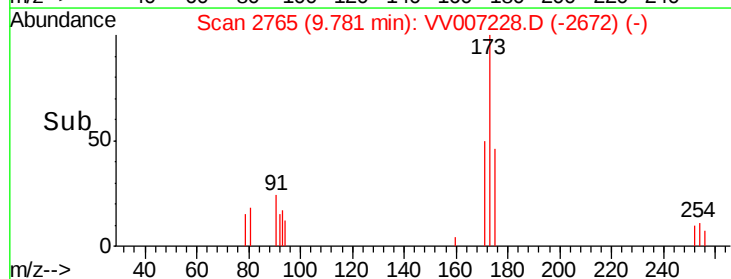
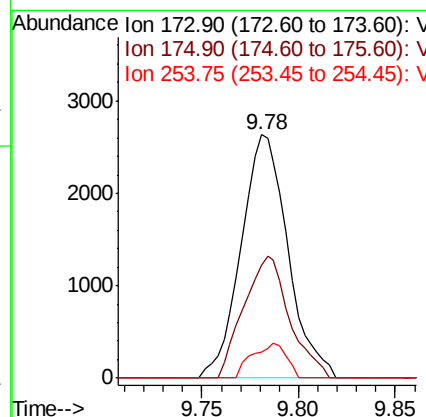
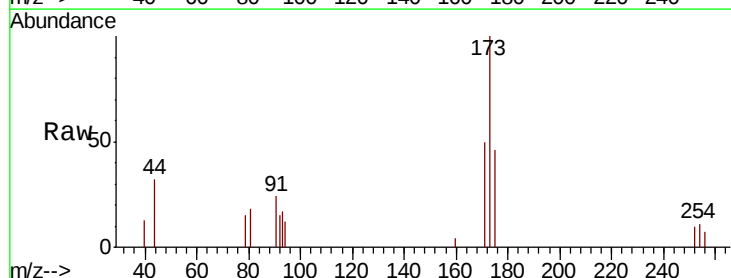
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

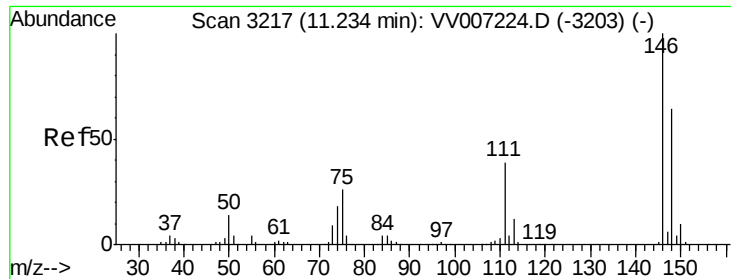
Tgt Ion: 75 Resp: 5980
 Ion Ratio Lower Upper
 75 100
 77 36.4 26.0 39.0



#61
 Bromoform
 Concen: 0.471 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

Tgt Ion: 173 Resp: 4434
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.3 58.9
 254 10.5 8.7 13.1

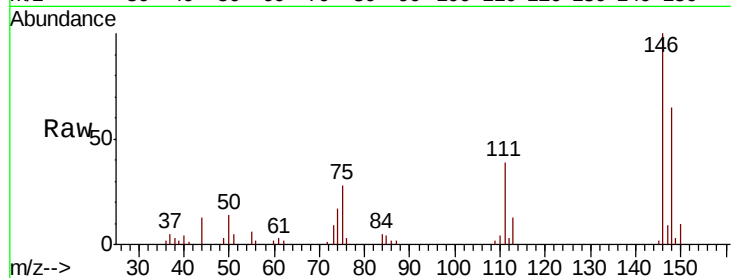




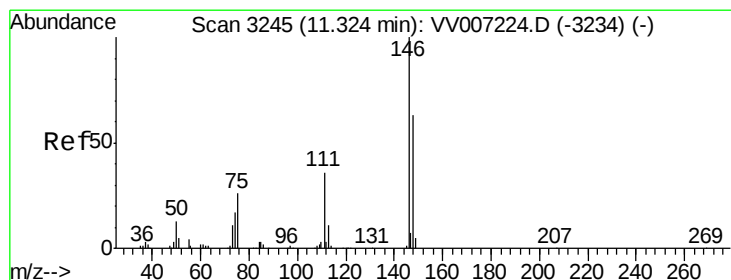
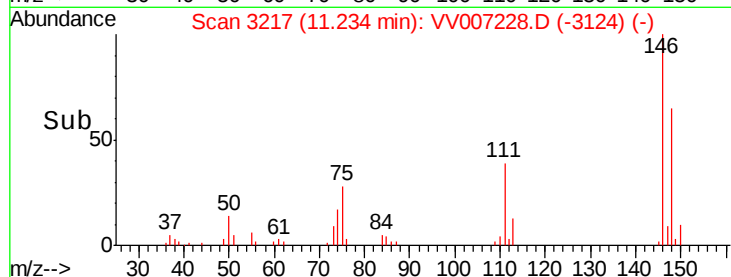
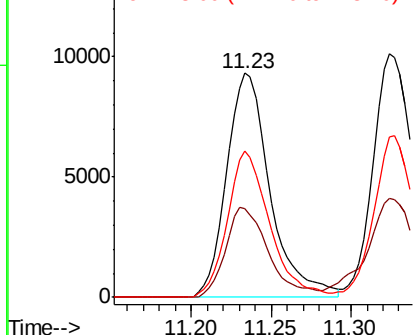
#62
 1,3-Dichlorobenzene
 Concen: 0.458 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

Tgt Ion:146 Resp: 17299
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.2 50.4
 148 65.2 45.0 83.6

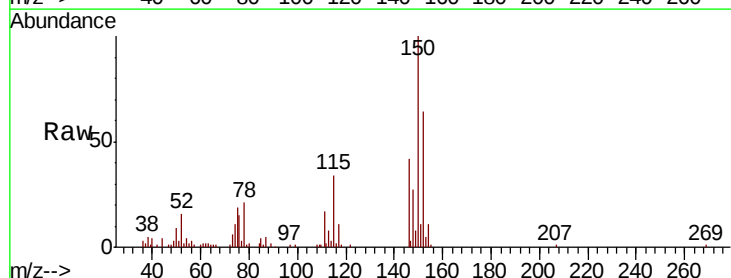


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

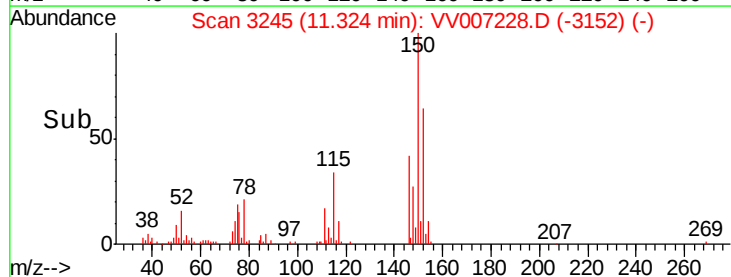
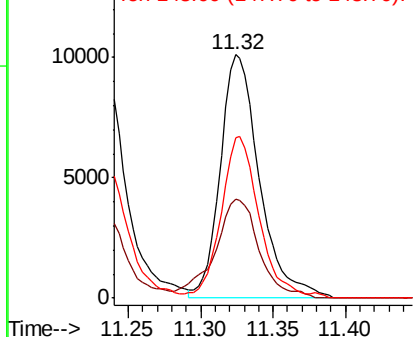


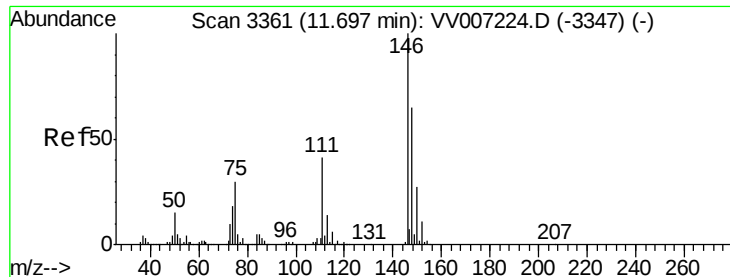
#63
 1,4-Dichlorobenzene
 Concen: 0.475 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

Tgt Ion:146 Resp: 18924
 Ion Ratio Lower Upper
 146 100
 111 40.7 25.4 47.2
 148 65.8 44.3 82.3



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

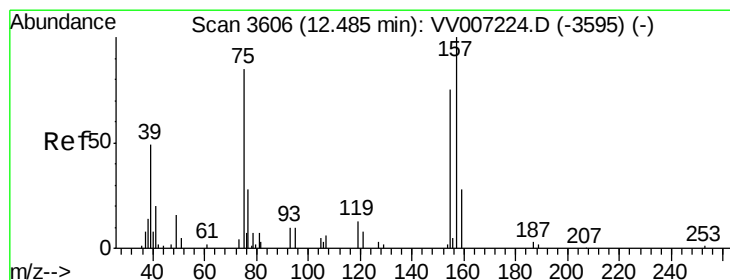
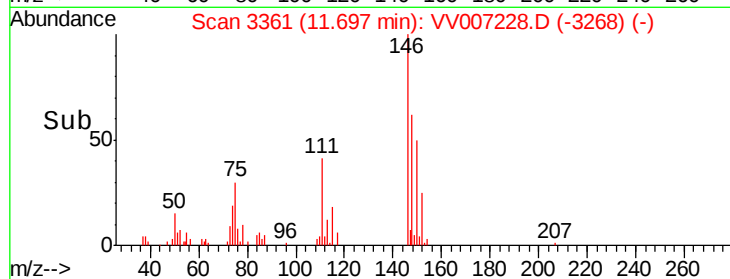
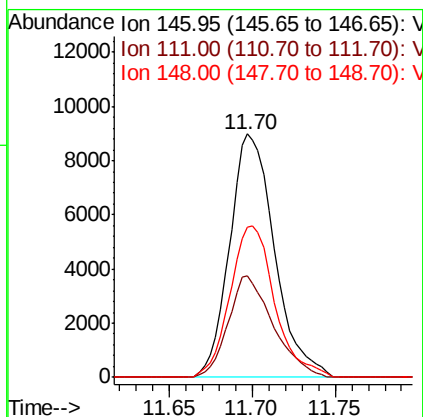
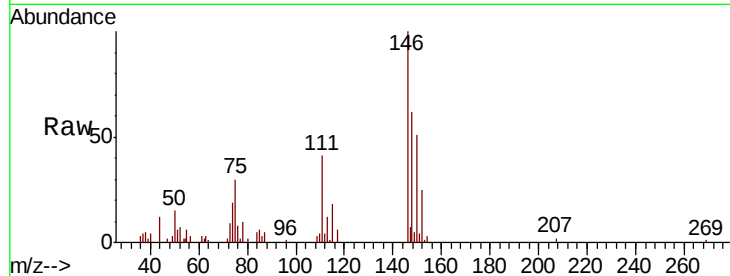




#65
 1,2-Dichlorobenzene
 Concen: 0.447 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

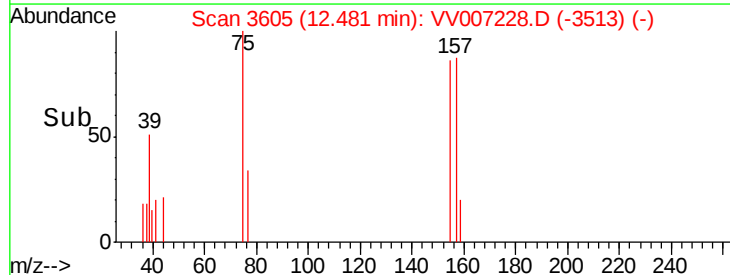
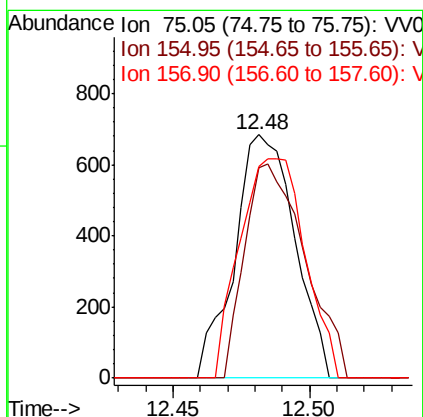
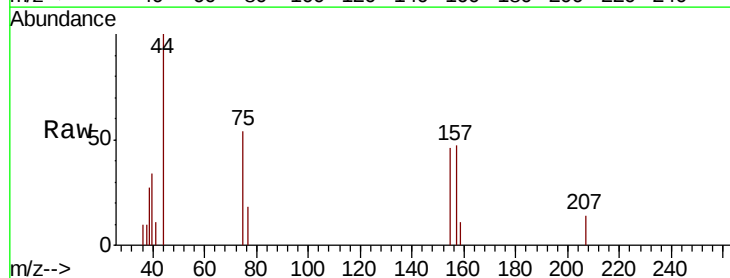
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

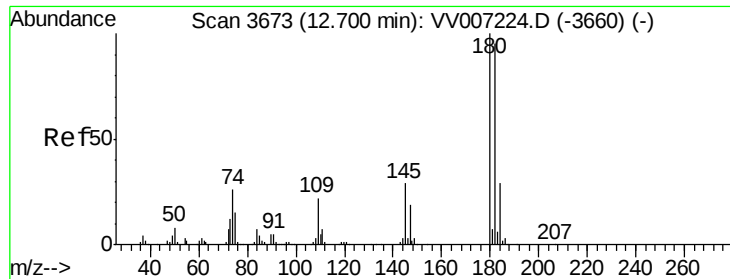
Tgt Ion: 146 Resp: 16902
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.0 49.6
 148 61.6 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.485 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

Tgt Ion: 75 Resp: 1049
 Ion Ratio Lower Upper
 75 100
 155 86.3 70.4 105.6
 157 86.9 94.2 141.2#

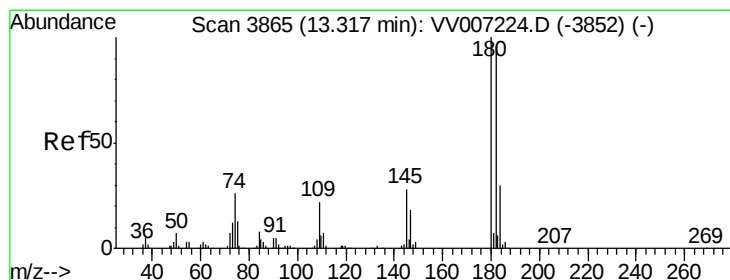
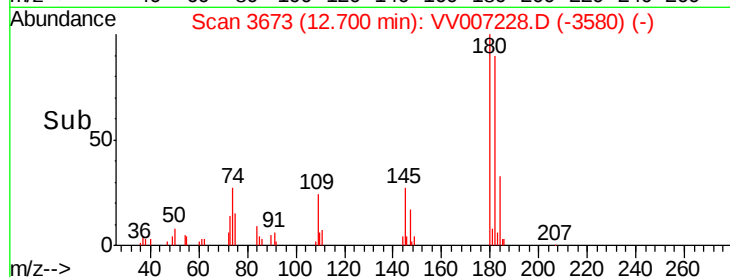
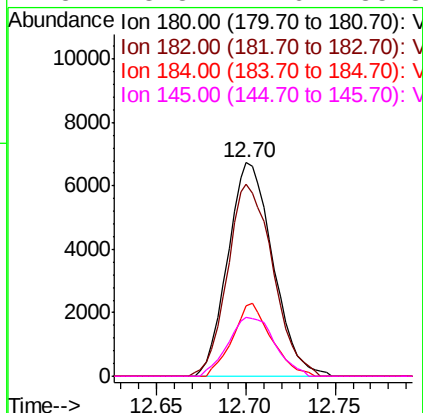
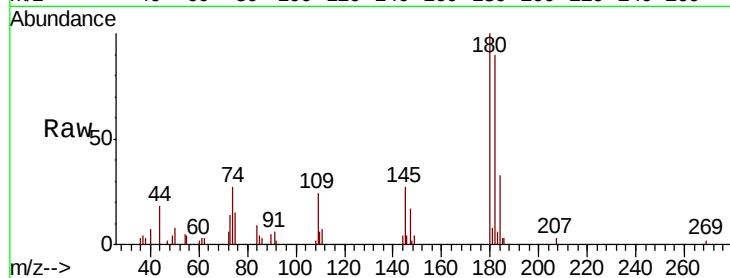




#67
 1,3,5-Trichlorobenzene
 Concen: 0.421 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

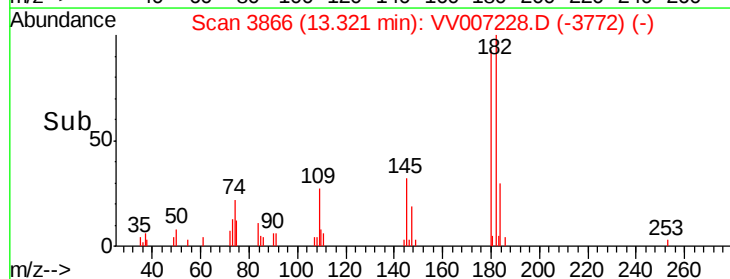
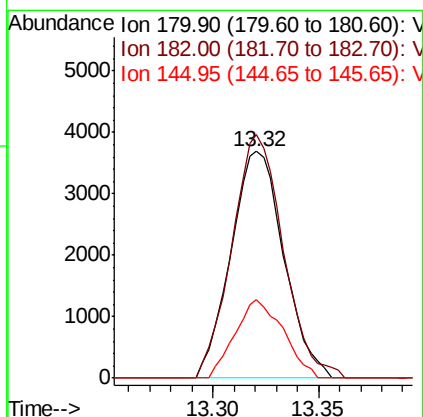
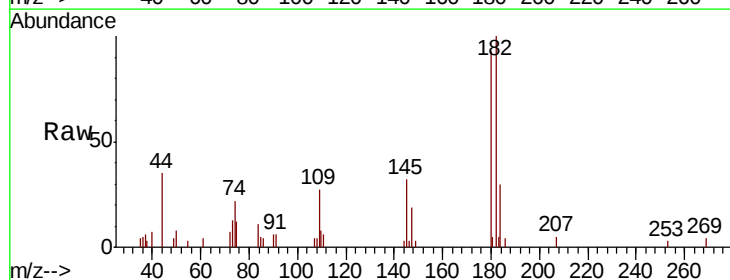
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

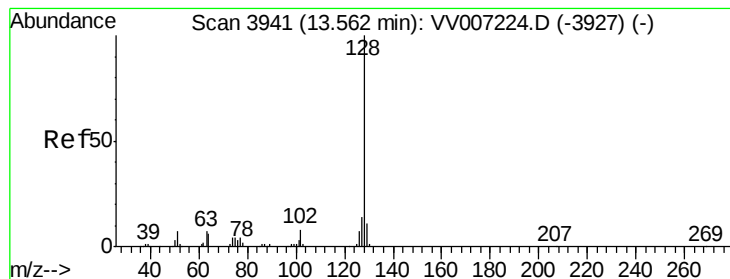
Tgt Ion:	180	Resp:	11857
Ion	Ratio	Lower	Upper
180	100		
182	90.5	77.0	115.6
184	29.5	23.4	35.2
145	28.8	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.340 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV007228.D
 Acq: 28 Aug 2018 15:18

Tgt Ion:	180	Resp:	6421
Ion	Ratio	Lower	Upper
180	100		
182	104.5	76.8	115.2
145	31.6	22.6	34.0





#69

Naphthalene

Concen: 0.324 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

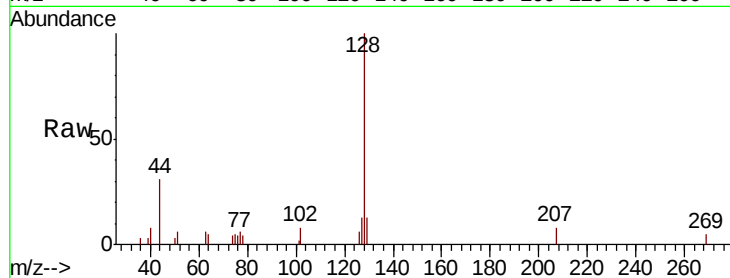
Tgt Ion:128 Resp: 7983

Ion Ratio Lower Upper

128 100

129 8.9 8.9 13.3#

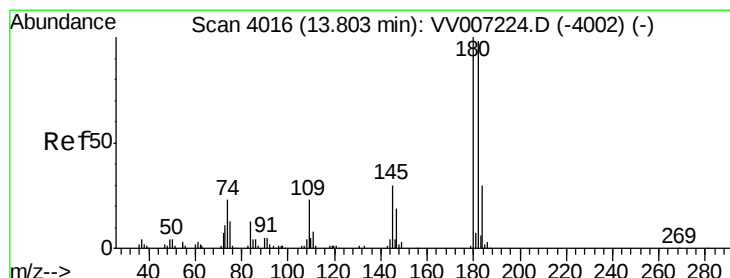
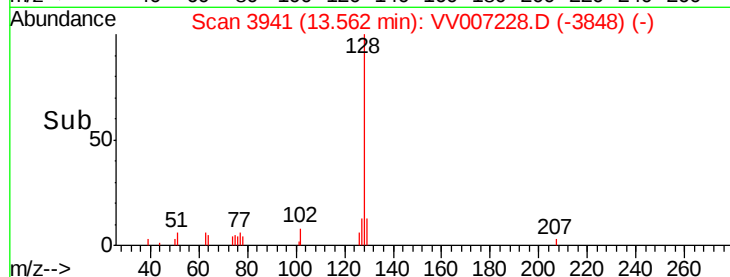
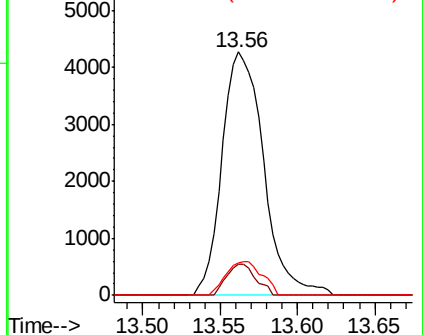
127 12.0 10.6 15.8



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: 0.370 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV007228.D

Acq: 28 Aug 2018 15:18

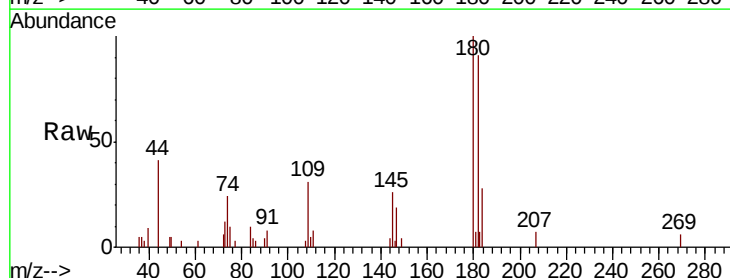
Tgt Ion:180 Resp: 6801

Ion Ratio Lower Upper

180 100

182 91.7 77.0 115.4

145 28.4 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

