

Data File : VV007637.D
Acq On : 19 Sep 2018 20:35
Operator : SY/MD
Sample : VSTD0.567
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.567

Quant Time: Sep 20 05:19:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 20 05:17:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	105380	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	95561	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	50385	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2076	0.43	ug/L	0.00
7) Chloroethane-d5	1.58	69	1870	0.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	5620	0.47	ug/L	0.00
20) 2-Butanone-d5	3.98	46	4774	6.20	ug/L	0.00
24) Chloroform-d	4.41	84	4606	0.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	2358	0.45	ug/L	0.00
32) Benzene-d6	5.10	84	8763	0.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	2572	0.45	ug/L	0.00
41) Toluene-d8	7.36	98	8934	0.43	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	976	0.39	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	3766	6.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	1980	0.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	4014	0.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4444	0.510 ug/L	97
3) Chloromethane	1.25	50	3593	0.561 ug/L	95
5) Vinyl chloride	1.32	62	4158	0.565 ug/L	96
6) Bromomethane	1.53	94	2554	0.474 ug/L	99
8) Chloroethane	1.60	64	2978	0.661 ug/L	100
9) Trichlorofluoromethane	1.77	101	8253	0.554 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4632	0.563 ug/L	97
12) 1,1-Dichloroethene	2.14	96	4118	0.552 ug/L	98
13) Acetone	2.24	43	6580	9.760 ug/L	80
14) Carbon disulfide	2.32	76	10567	0.492 ug/L #	92
15) Methyl Acetate	2.48	43	1467	0.786 ug/L	99
16) Methylene chloride	2.54	84	4412	0.561 ug/L	93
17) Methyl tert-butyl Ether	2.82	73	9415	0.570 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	4600	0.570 ug/L	95
19) 1,1-Dichloroethane	3.23	63	6863	0.647 ug/L #	86
21) 2-Butanone	4.07	43	7364	7.453 ug/L	91
22) cis-1,2-Dichloroethene	3.97	96	3866	0.536 ug/L	98
23) Bromochloromethane	4.30	128	1817	0.554 ug/L	98
25) Chloroform	4.44	83	6377	0.521 ug/L	98
27) 1,2-Dichloroethane	5.19	62	3853	0.545 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	5693	0.509 ug/L	98
30) Cyclohexane	4.72	56	5093	0.525 ug/L	99
31) Carbon tetrachloride	4.87	117	5100	0.489 ug/L	95
33) Benzene	5.15	78	13672	0.556 ug/L	100
34) Trichloroethene	5.96	95	3972	0.493 ug/L	96
35) Methylcyclohexane	6.18	83	6201	0.529 ug/L	98
37) 1,2-Dichloropropane	6.23	63	3224	0.570 ug/L #	87
38) Bromodichloromethane	6.56	83	4006	0.497 ug/L #	99
39) cis-1,3-Dichloropropene	7.08	75	4252	0.464 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	17374	5.283 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	14689	0.514	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	3335	0.454	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	2400	0.525	ug/L	96
47) Tetrachloroethene	8.02	164	3857	0.523	ug/L	90
48) 2-Hexanone	8.20	43	11551	4.632	ug/L	99
49) Dibromochloromethane	8.30	129	2672	0.446	ug/L	96
50) 1,2-Dibromoethane	8.40	107	2231	0.493	ug/L #	96
51) Chlorobenzene	8.93	112	10474	0.528	ug/L	96
52) Ethylbenzene	9.06	91	16331	0.504	ug/L	100
53) m,p-xylene	9.19	106	6442	0.493	ug/L	86
54) o-xylene	9.59	106	6486	0.527	ug/L	99
55) Styrene	9.61	104	10101	0.494	ug/L	98
56) Isopropylbenzene	9.98	105	17642	0.519	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	2802	0.645	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	1869	0.501	ug/L	99
61) Bromoform	9.78	173	1556	0.465	ug/L #	96
62) 1,3-Dichlorobenzene	11.23	146	8707	0.519	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	9032	0.544	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	8339	0.539	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	315	0.473	ug/L	86
67) 1,3,5-Trichlorobenzene	12.70	180	7860	0.585	ug/L	96
68) 1,2,4-trichlorobenzene	13.32	180	6145	0.635	ug/L	98
69) Naphthalene	13.56	128	9190	0.762	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	5800	0.654	ug/L	95

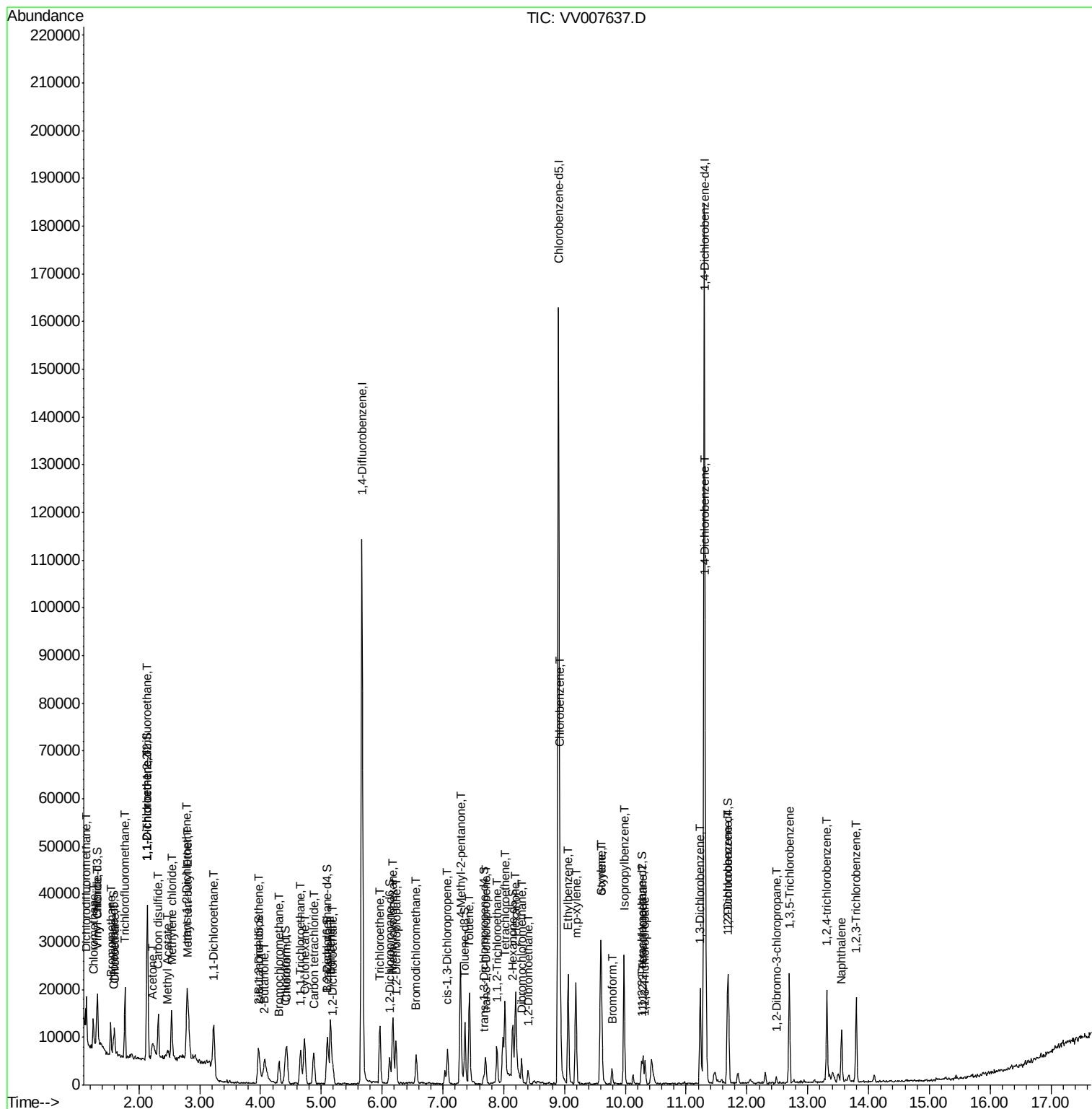
(#) = qualifier out of range (m) = manual integration (+) = signals summed

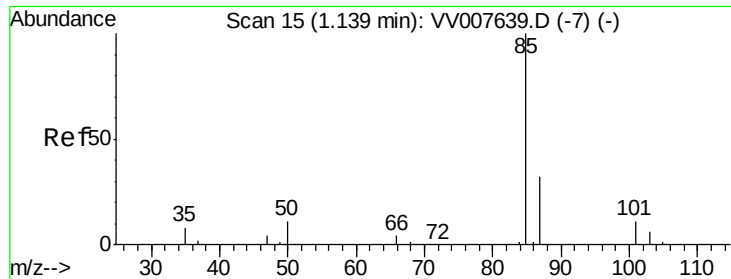
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#2

Dichlorodifluoromethane

Concen: 0.510 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

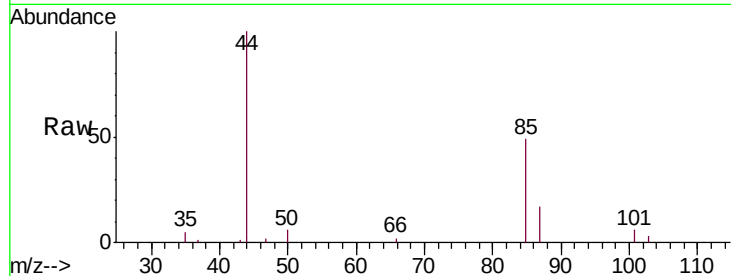
VSTD0.567

Tgt Ion: 85 Resp: 4444

Ion Ratio Lower Upper

85 100

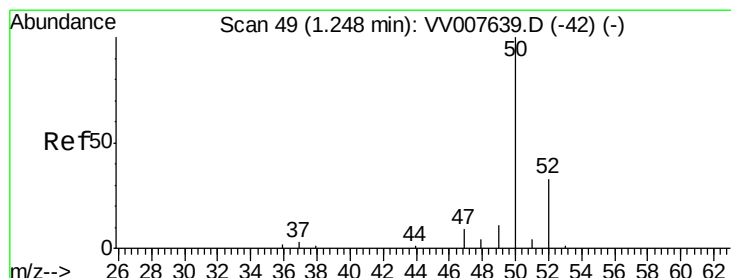
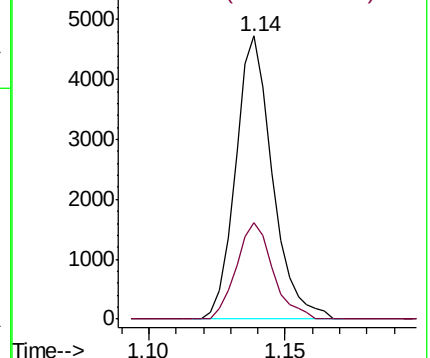
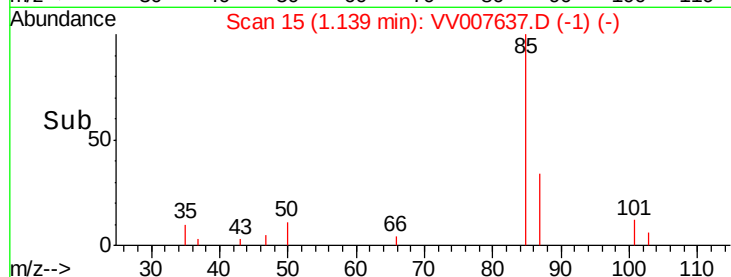
87 33.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV007639.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV007639.D (-7) (-)

Time-->



#3

Chloromethane

Concen: 0.561 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV007637.D

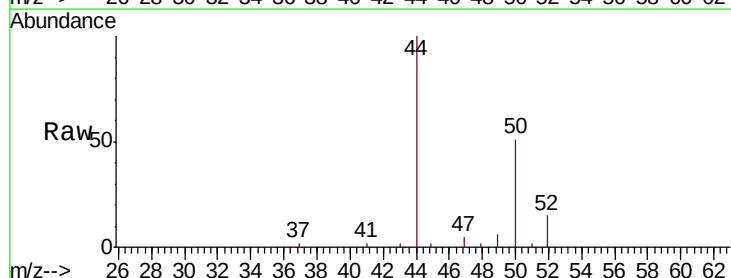
Acq: 19 Sep 2018 20:35

Tgt Ion: 50 Resp: 3593

Ion Ratio Lower Upper

50 100

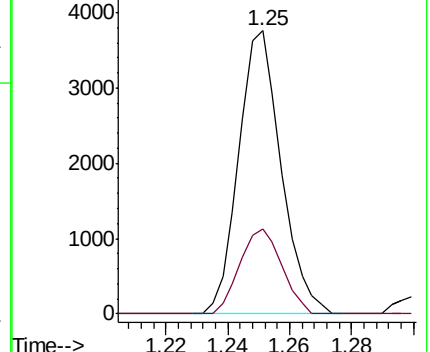
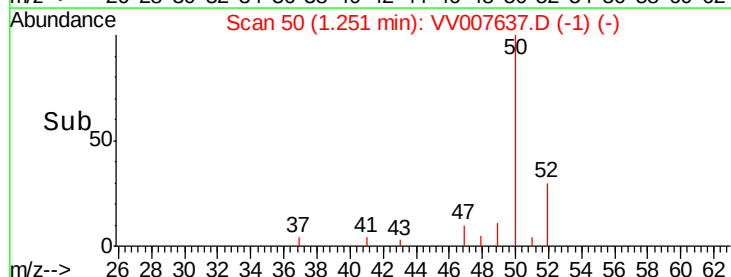
52 30.1 23.2 43.2

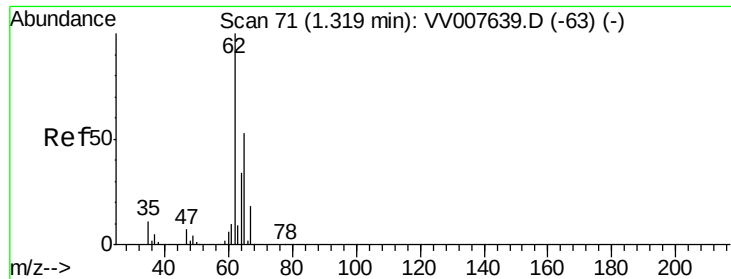


Abundance Ion 50.05 (49.75 to 50.75): VV007639.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV007639.D (-42) (-)

Time-->





#5

Vinyl chloride

Concen: 0.565 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

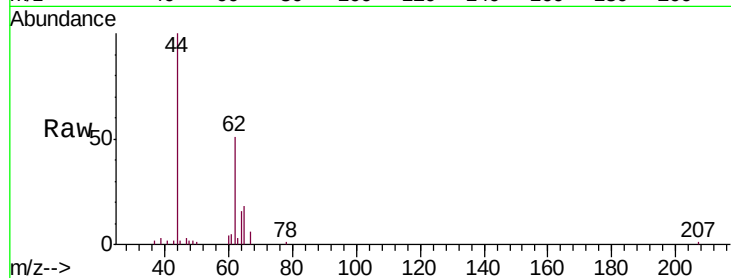
VSTD0.567

Tgt Ion: 62 Resp: 4158

Ion Ratio Lower Upper

62 100

64 31.2 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

4000

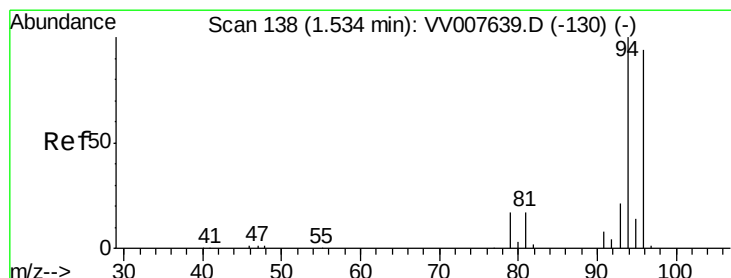
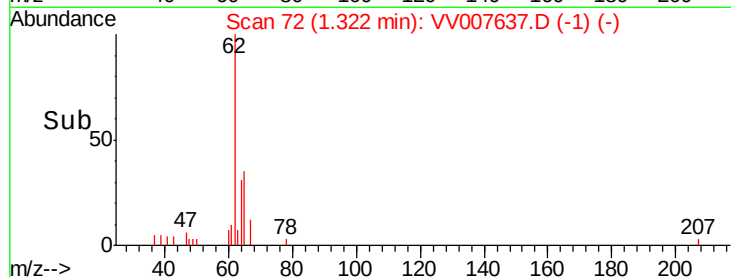
3000

2000

1000

0

Time--> 1.28 1.30 1.32 1.34 1.36



#6

Bromomethane

Concen: 0.474 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV007637.D

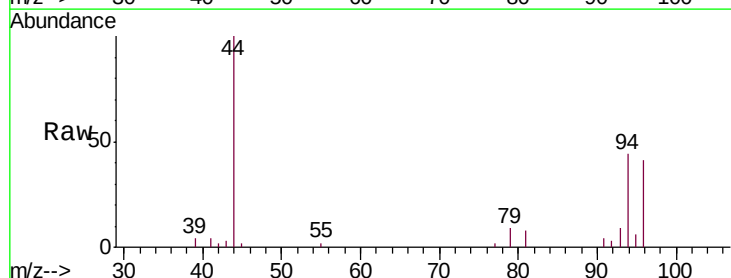
Acq: 19 Sep 2018 20:35

Tgt Ion: 94 Resp: 2554

Ion Ratio Lower Upper

94 100

96 94.4 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

2500

2000

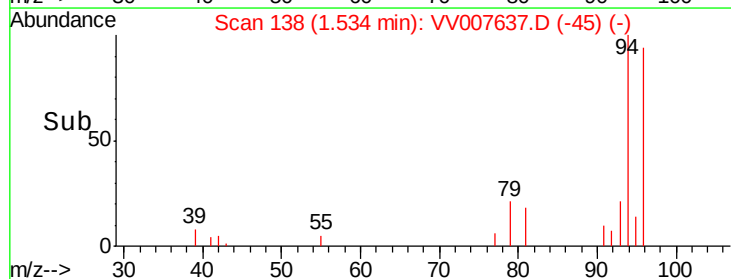
1500

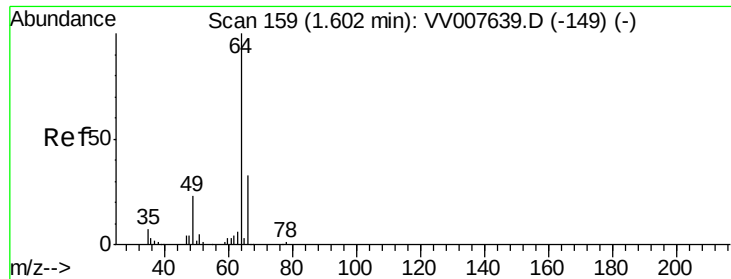
1000

500

0

Time--> 1.50 1.52 1.54 1.56

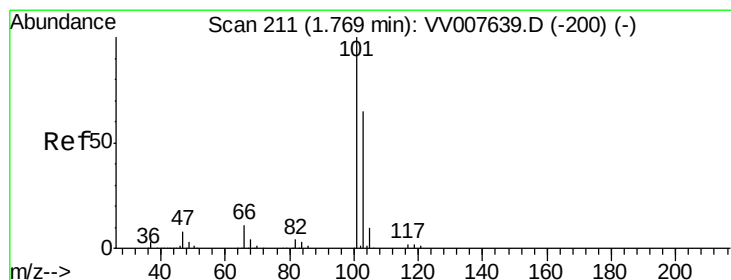
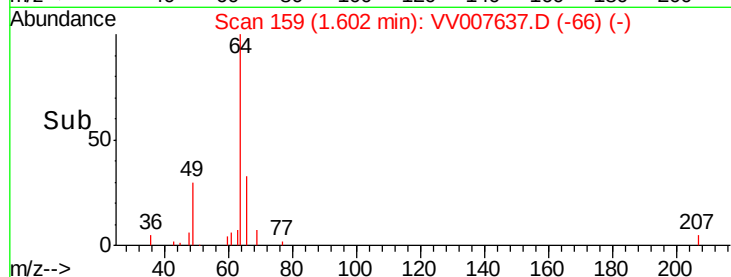
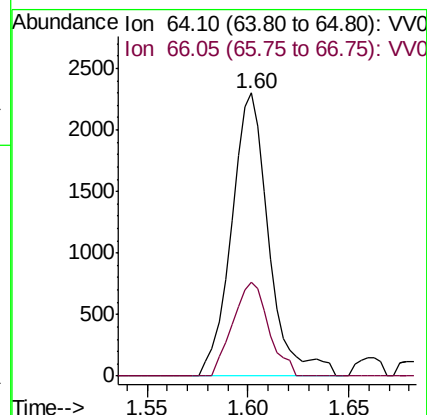
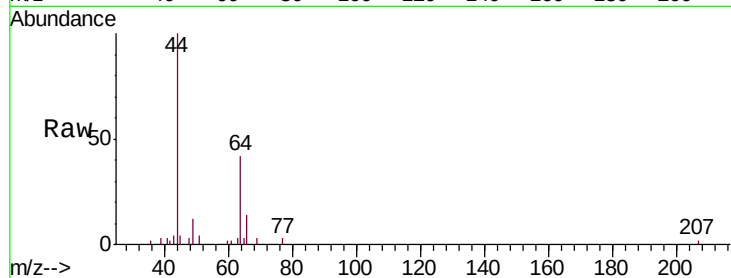




#8
Chloroethane
Concen: 0.661 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV007637.D
Acq: 19 Sep 2018 20:35

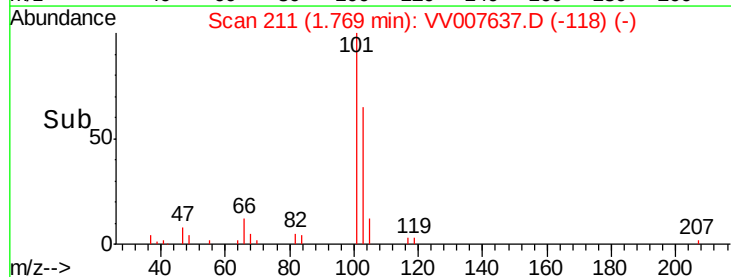
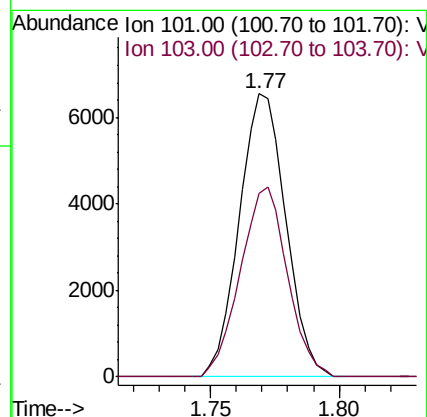
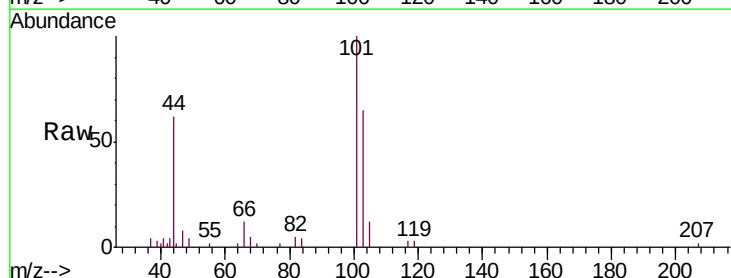
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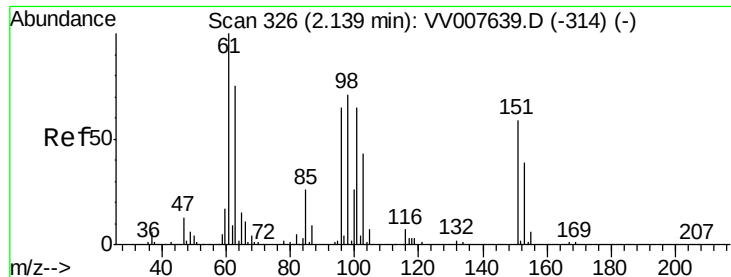
Tgt Ion: 64 Resp: 2978
Ion Ratio Lower Upper
64 100
66 33.4 23.4 43.4



#9
Trichlorofluoromethane
Concen: 0.554 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV007637.D
Acq: 19 Sep 2018 20:35

Tgt Ion: 101 Resp: 8253
Ion Ratio Lower Upper
101 100
103 67.9 51.9 77.9





#10

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

Concen: 0.563 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.567

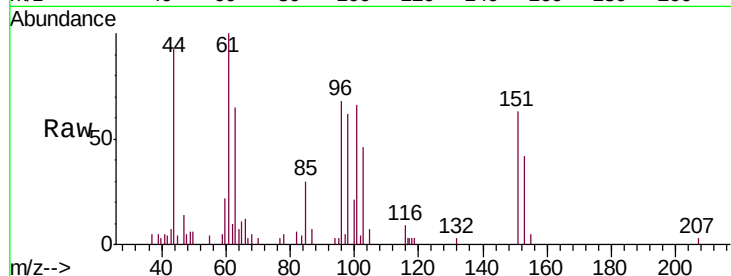
Tgt Ion: 101 Resp: 4632

Ion Ratio Lower Upper

101 100

85 43.3 32.6 48.8

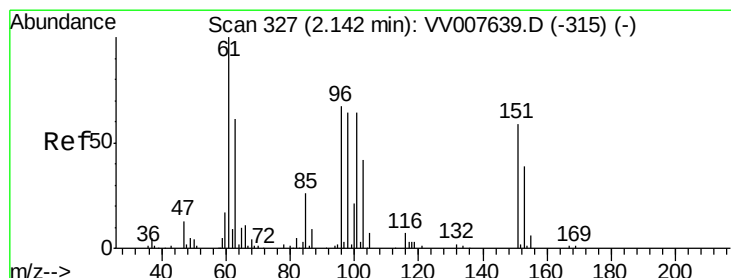
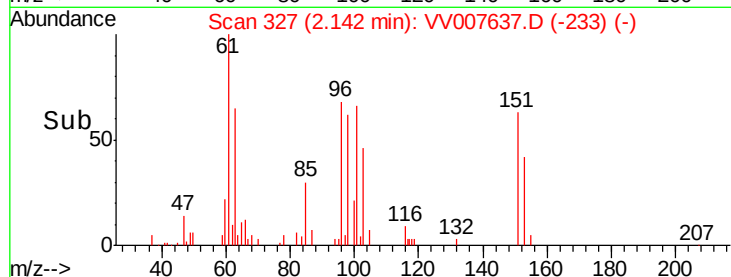
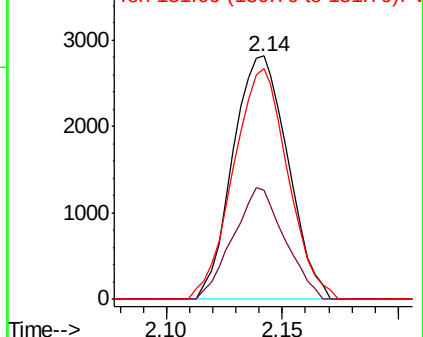
151 93.8 72.8 109.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.552 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

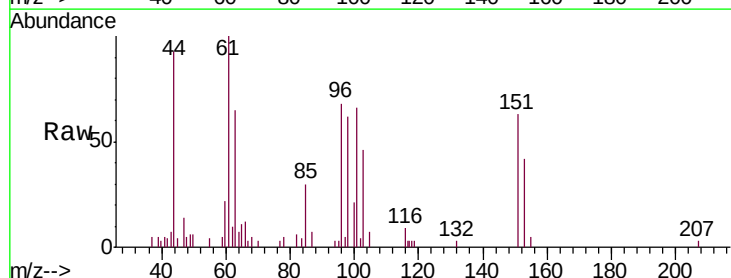
Tgt Ion: 96 Resp: 4118

Ion Ratio Lower Upper

96 100

61 147.7 104.3 193.7

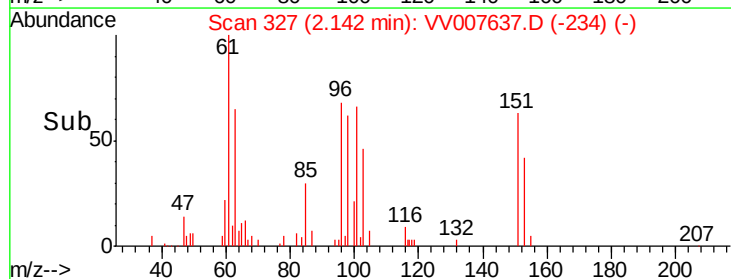
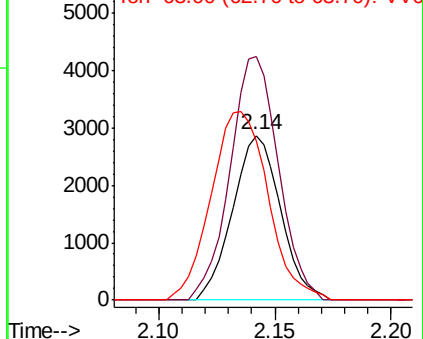
63 96.5 65.2 121.2

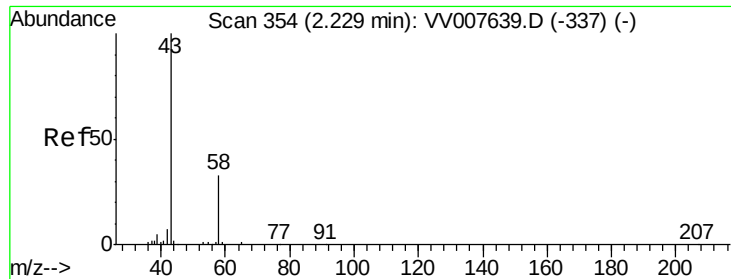


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 9.760 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.01 min

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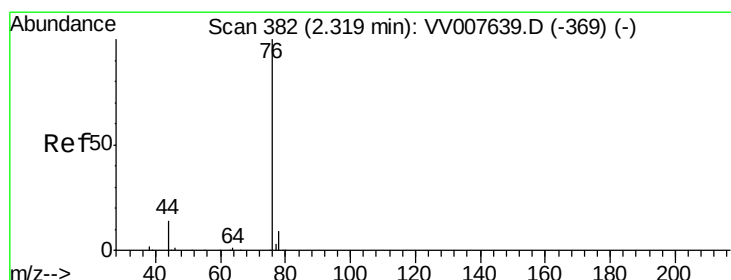
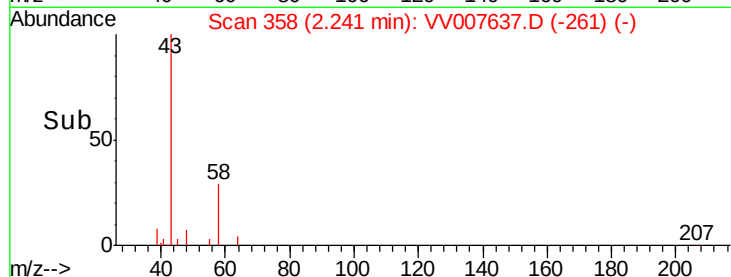
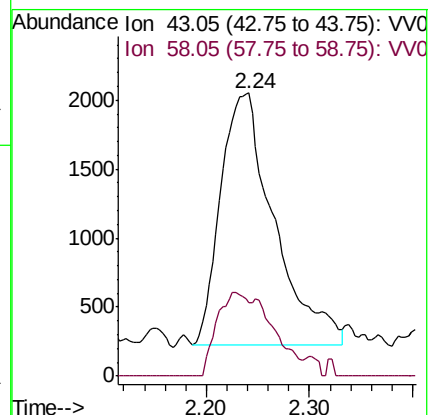
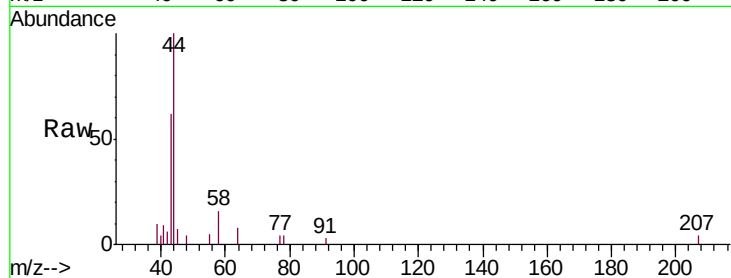
VSTD0.567

Tgt Ion: 43 Resp: 6580

Ion Ratio Lower Upper

43 100

58 20.6 0.0 63.6



#14

Carbon disulfide

Concen: 0.492 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV007637.D

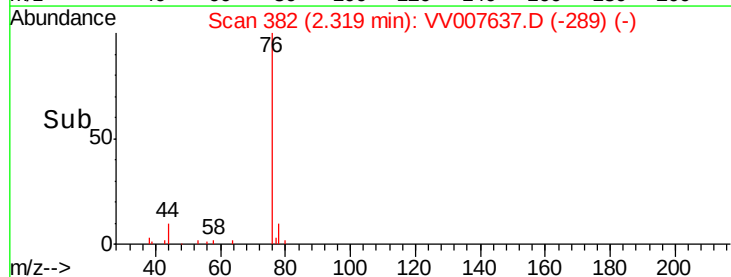
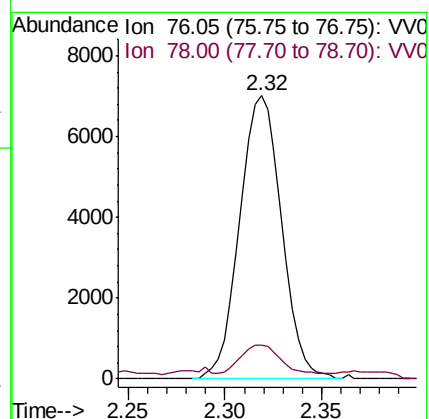
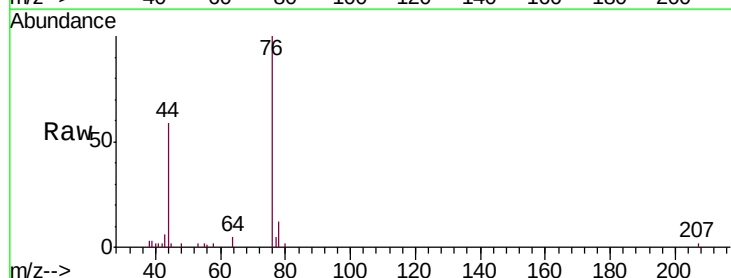
Acq: 19 Sep 2018 20:35

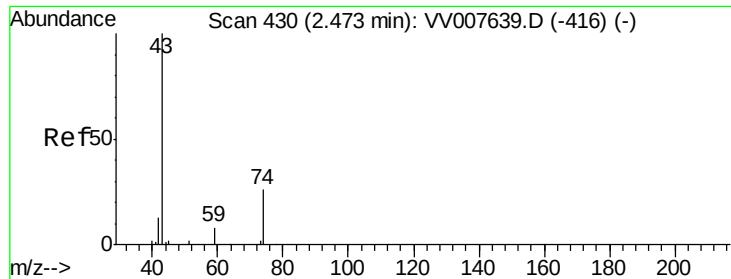
Tgt Ion: 76 Resp: 10567

Ion Ratio Lower Upper

76 100

78 12.1 7.4 11.2#





#15

Methyl Acetate

Concen: 0.786 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

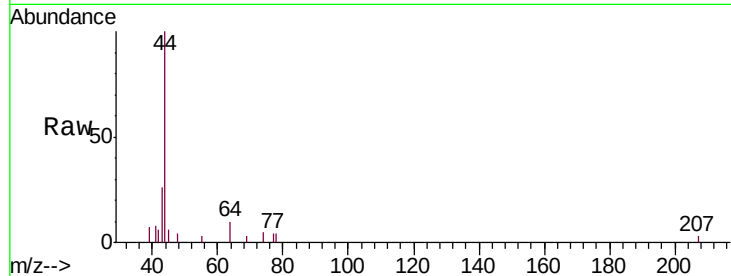
VSTD0.567

Tgt Ion: 43 Resp: 1467

Ion Ratio Lower Upper

43 100

74 26.4 20.6 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.48

1000

800

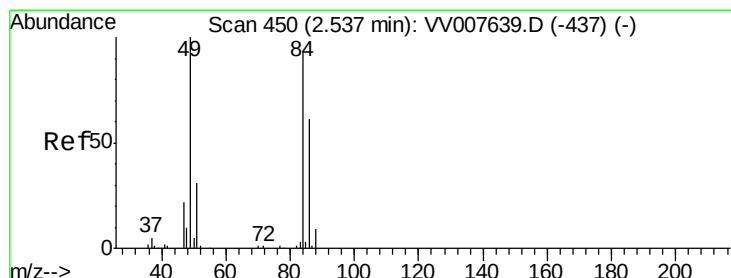
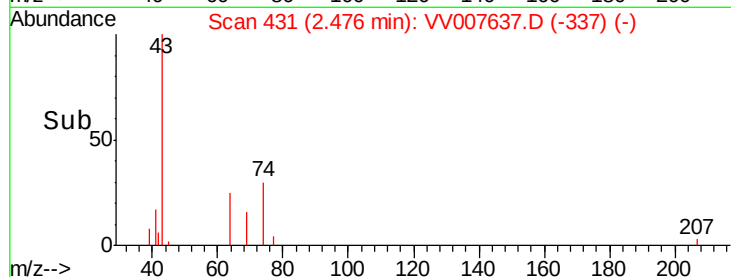
600

400

200

0

Time--> 2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 0.561 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

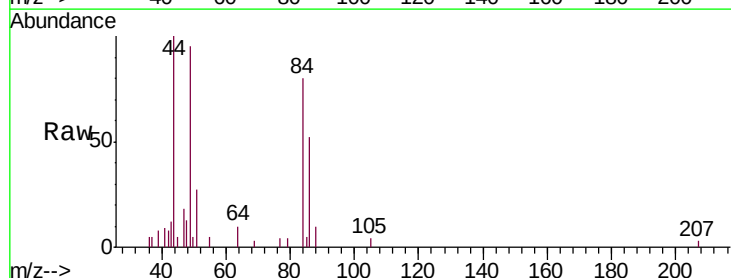
Tgt Ion: 84 Resp: 4412

Ion Ratio Lower Upper

84 100

86 65.5 46.1 85.5

49 119.2 75.5 140.1



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

4000

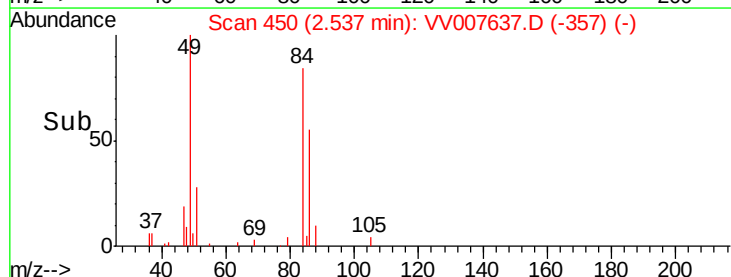
3000

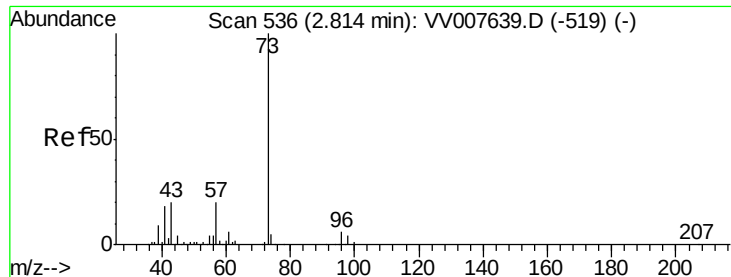
2000

1000

0

Time--> 2.50 2.55 2.60





#17

Methyl tert-butyl Ether

Concen: 0.570 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.567

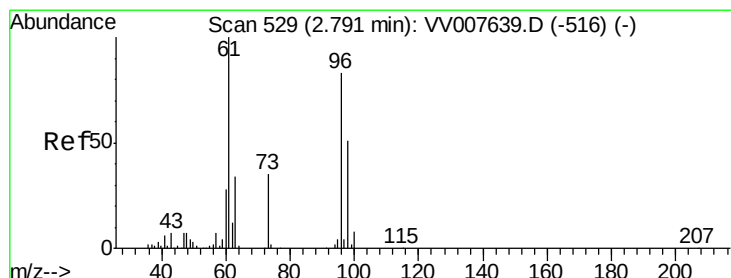
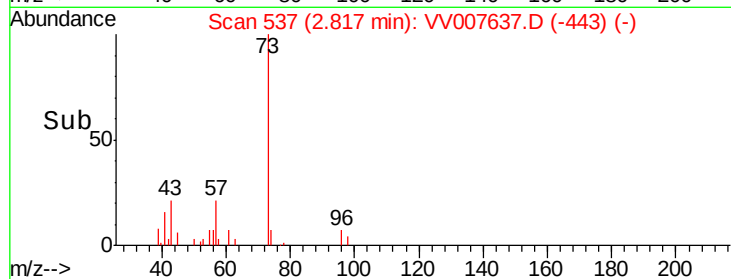
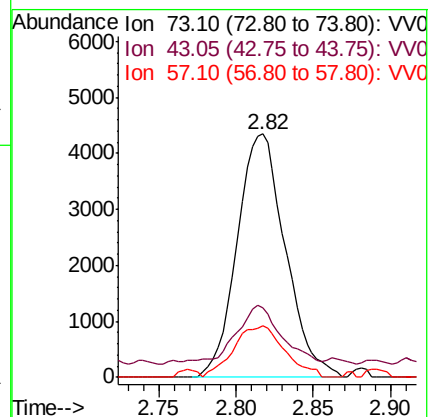
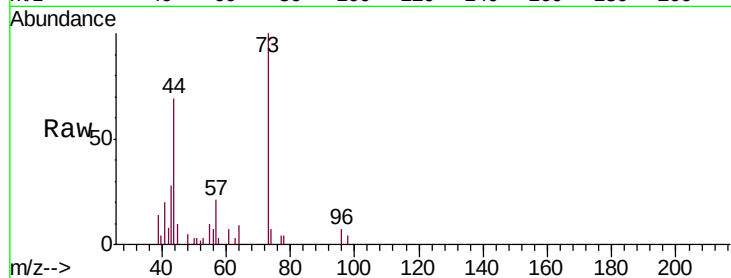
Tgt Ion: 73 Resp: 9415

Ion Ratio Lower Upper

73 100

43 22.0 15.7 23.5

57 22.3 15.8 23.8



#18

trans-1,2-Dichloroethene

Concen: 0.570 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

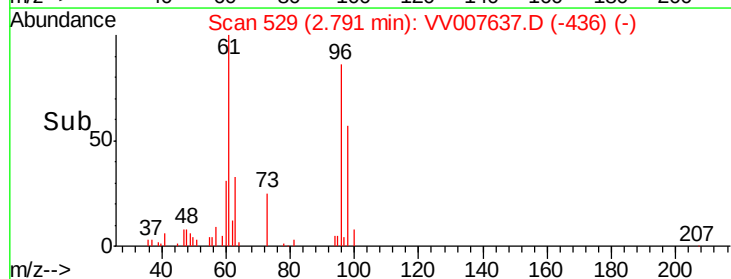
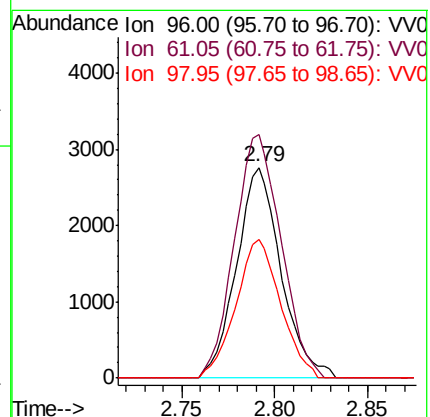
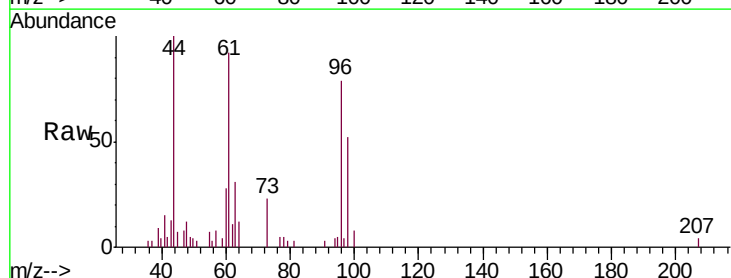
Tgt Ion: 96 Resp: 4600

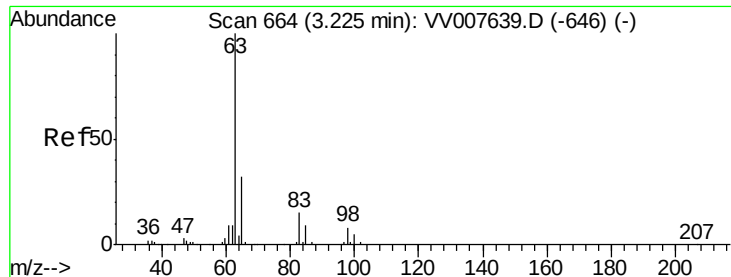
Ion Ratio Lower Upper

96 100

61 115.7 84.4 156.7

98 66.1 43.0 80.0

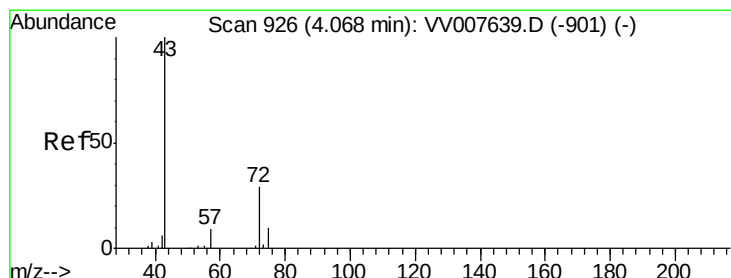
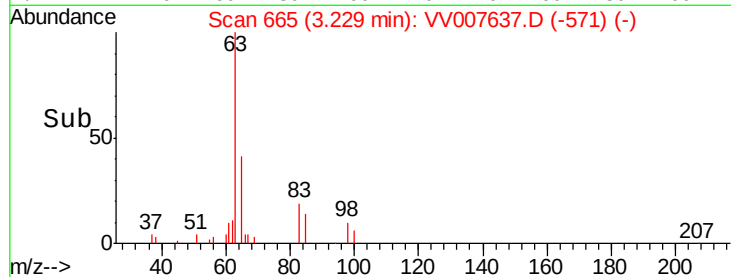
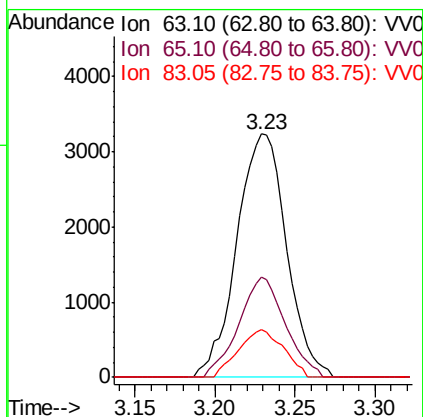
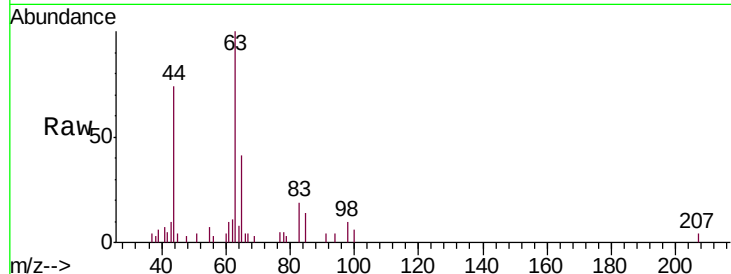




#19
 1,1-Dichloroethane
 Concen: 0.647 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

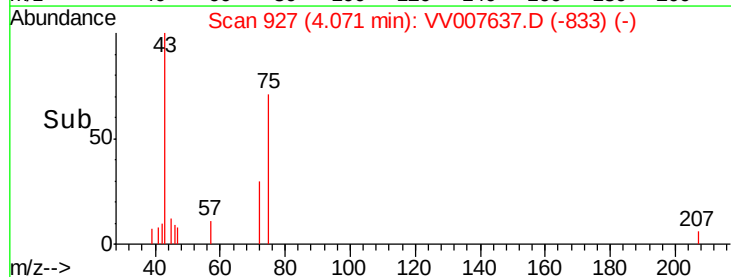
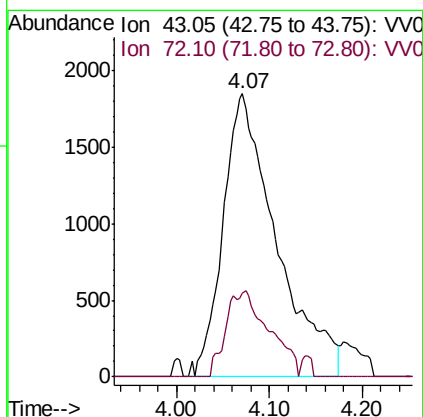
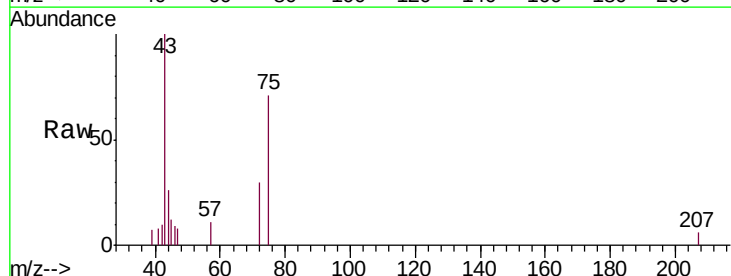
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.567

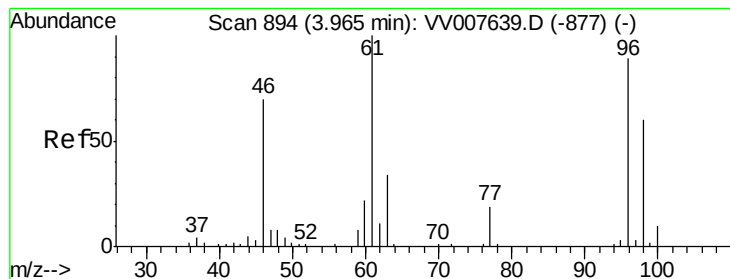
Tgt Ion: 63 Resp: 6863
 Ion Ratio Lower Upper
 63 100
 65 41.2 22.6 42.0
 83 19.4 10.4 19.4#



#21
 2-Butanone
 Concen: 7.453 ug/L
 RT: 4.07 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

Tgt Ion: 43 Resp: 7364
 Ion Ratio Lower Upper
 43 100
 72 24.7 14.8 44.4



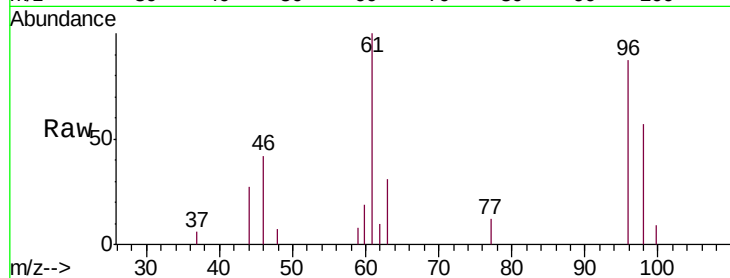


#22

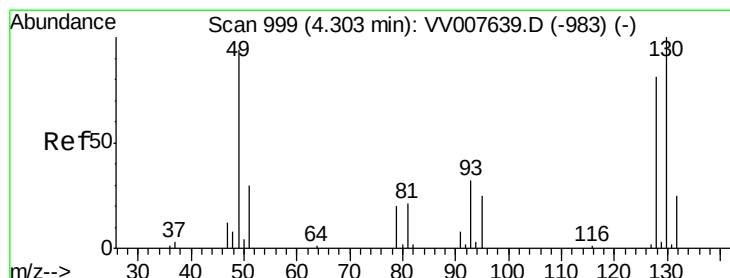
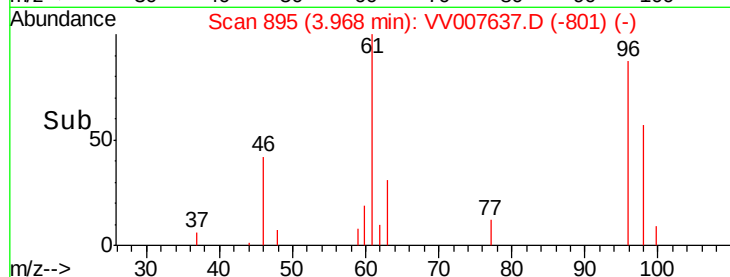
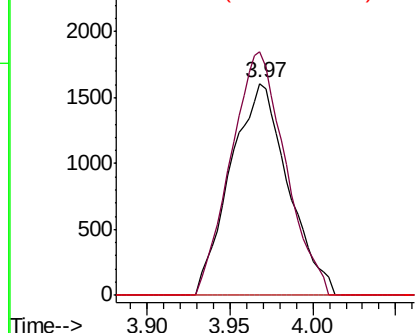
cis-1,2-Dichloroethene
 Concen: 0.536 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.567

Tgt Ion: 96 Resp: 3866
 Ion Ratio Lower Upper
 96 100
 61 115.0 79.0 146.8
 68 0.0 0.0 0.0



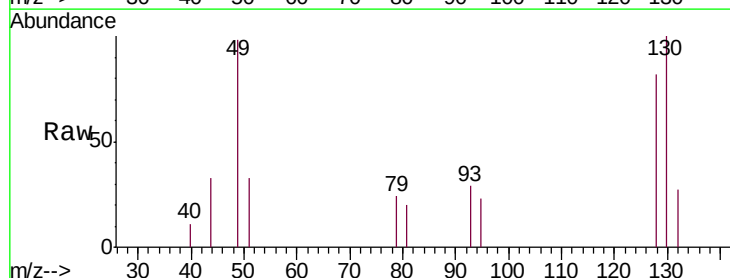
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



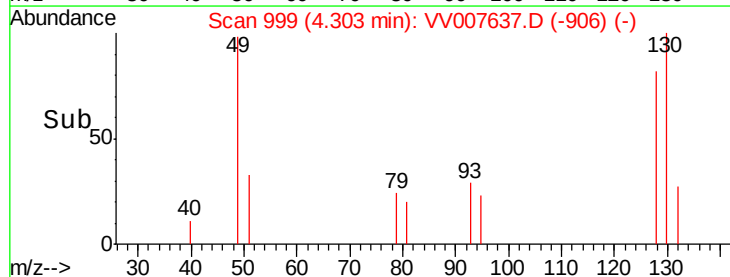
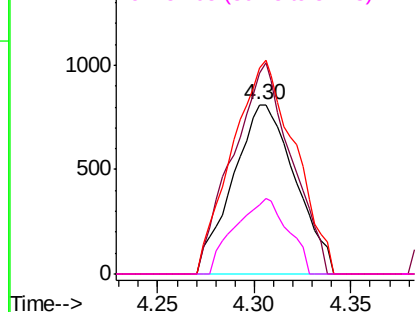
#23

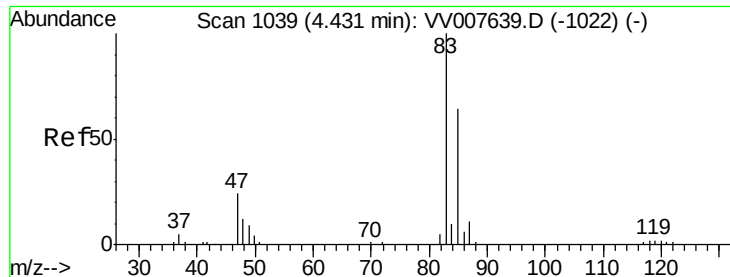
Bromochloromethane
 Concen: 0.554 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

Tgt Ion: 128 Resp: 1817
 Ion Ratio Lower Upper
 128 100
 49 118.6 81.7 151.7
 130 121.6 86.8 161.2
 51 40.5 29.8 44.8



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

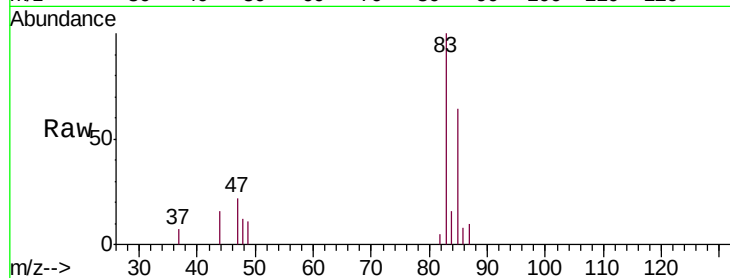




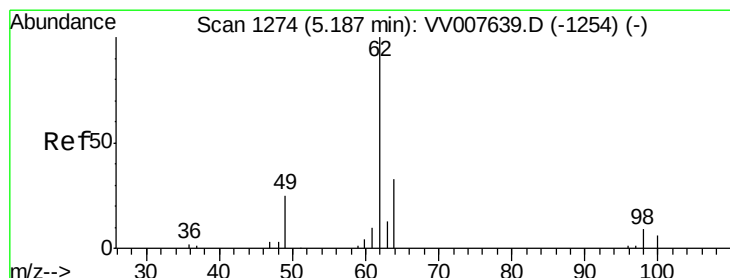
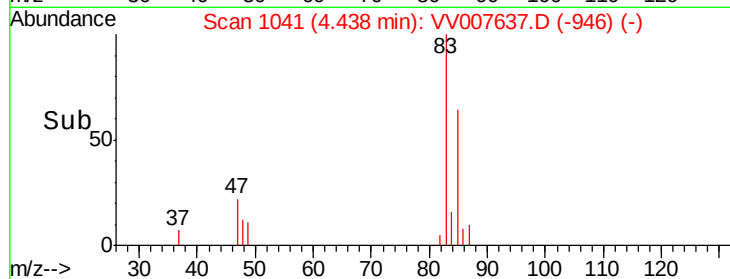
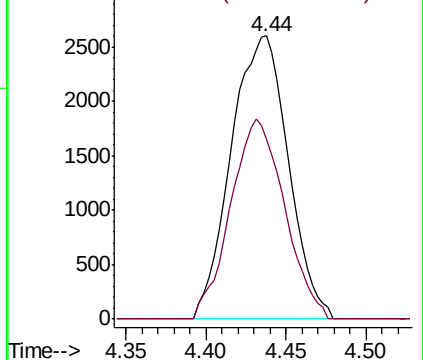
#25
Chloroform
Concen: 0.521 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VV007637.D
Acq: 19 Sep 2018 20:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.567

Tgt Ion: 83 Resp: 6377
Ion Ratio Lower Upper
83 100
85 63.6 45.4 84.4

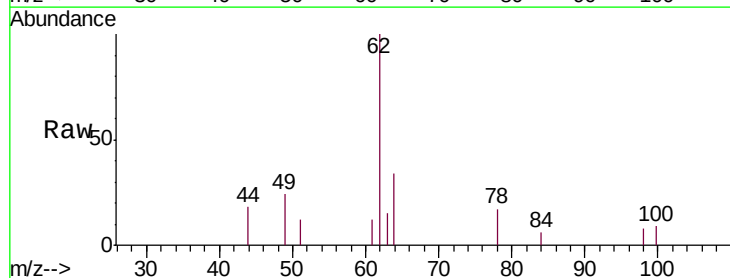


Abundance Ion 83.05 (82.75 to 83.75): VV007637.D (-1022) (-)
Ion 85.00 (84.70 to 85.70): VV007637.D (-1022) (-)

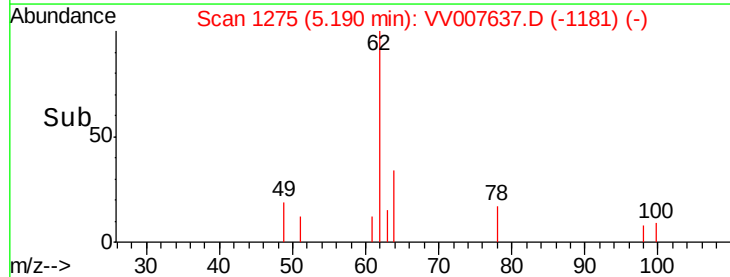
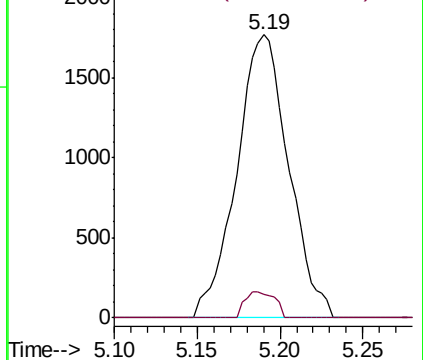


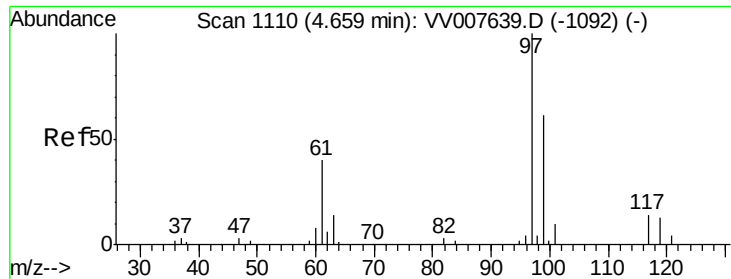
#27
1,2-Dichloroethane
Concen: 0.545 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007637.D
Acq: 19 Sep 2018 20:35

Tgt Ion: 62 Resp: 3853
Ion Ratio Lower Upper
62 100
98 8.3 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VV007637.D (-1181) (-)
Ion 98.05 (97.75 to 98.75): VV007637.D (-1181) (-)

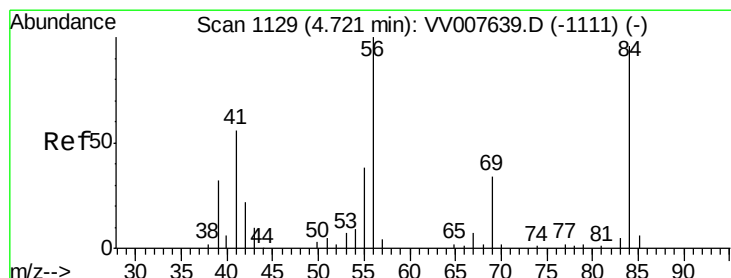
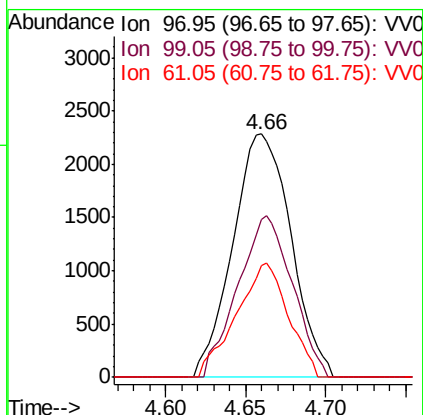
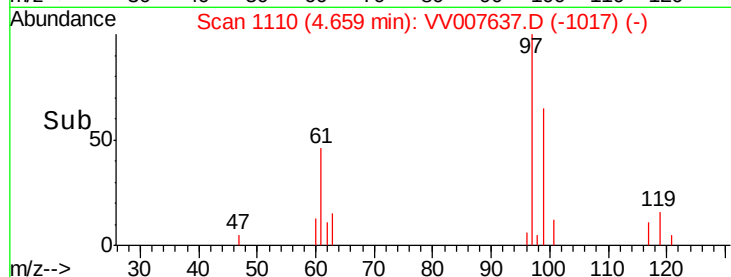
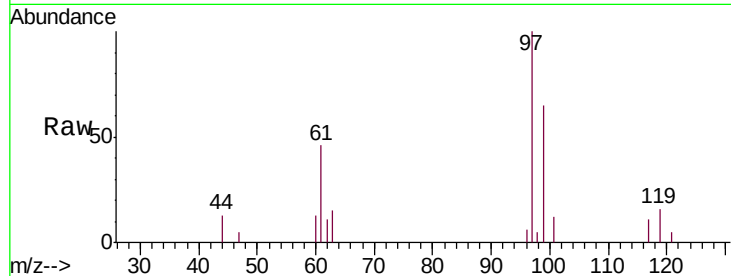




#29
 1,1,1-Trichloroethane
 Concen: 0.509 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

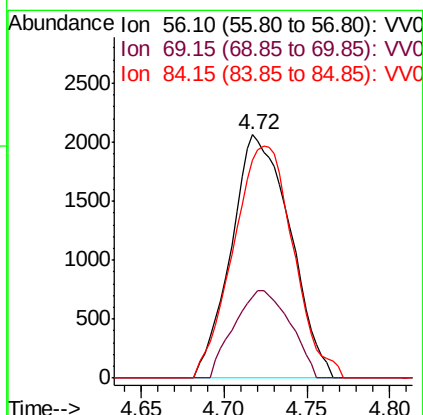
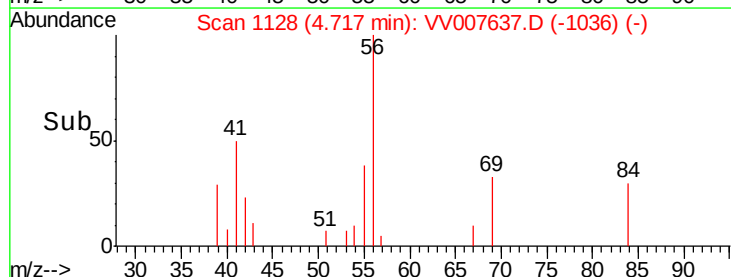
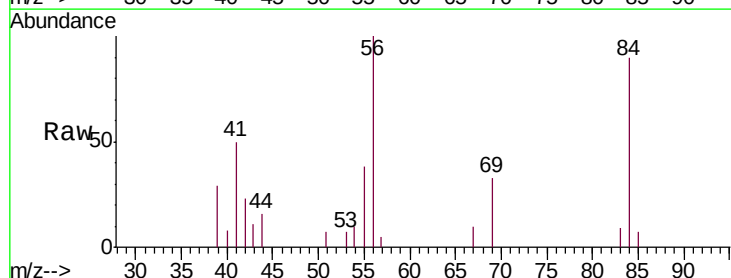
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.567

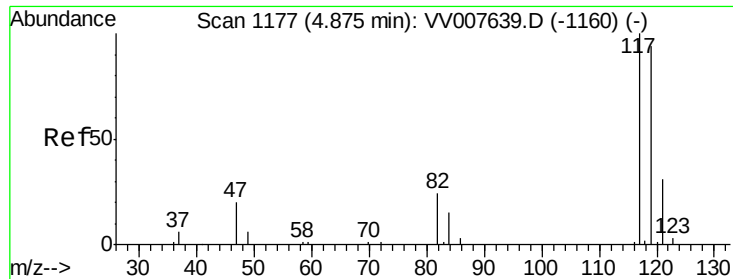
Tgt Ion: 97 Resp: 5693
 Ion Ratio Lower Upper
 97 100
 99 62.1 50.6 76.0
 61 41.9 32.8 49.2



#30
 Cyclohexane
 Concen: 0.525 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

Tgt Ion: 56 Resp: 5093
 Ion Ratio Lower Upper
 56 100
 69 34.0 26.9 40.3
 84 97.2 78.9 118.3





#31

Carbon tetrachloride

Concen: 0.489 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

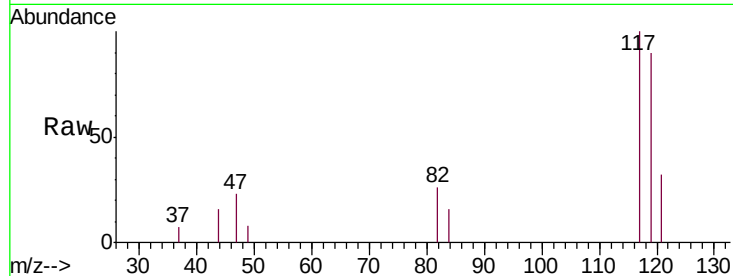
VSTD0.567

Tgt Ion:117 Resp: 5100

Ion Ratio Lower Upper

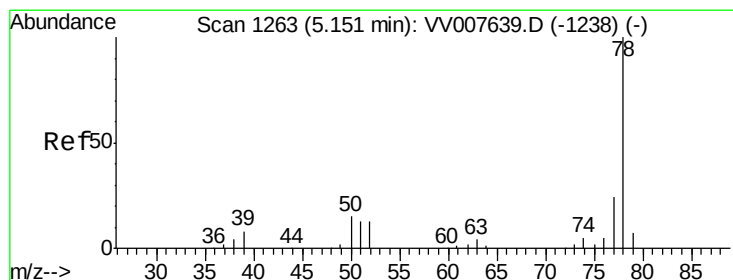
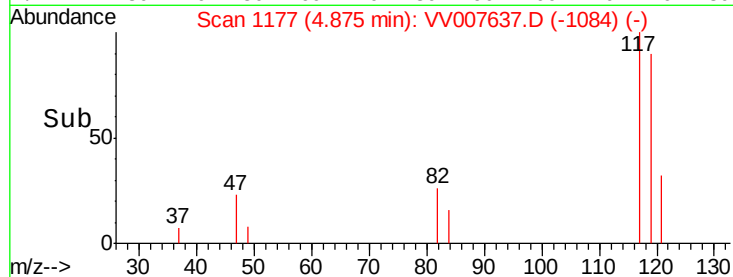
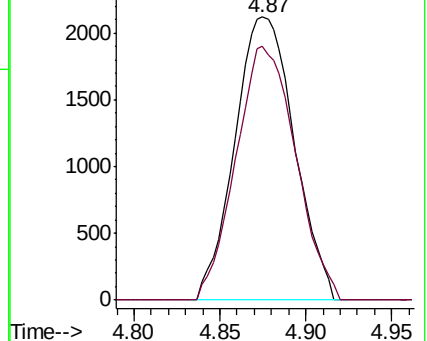
117 100

119 90.0 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.556 ug/L

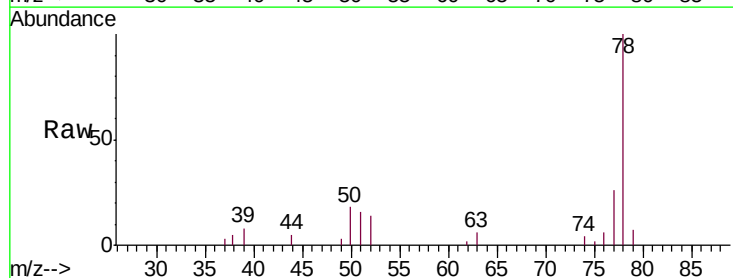
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

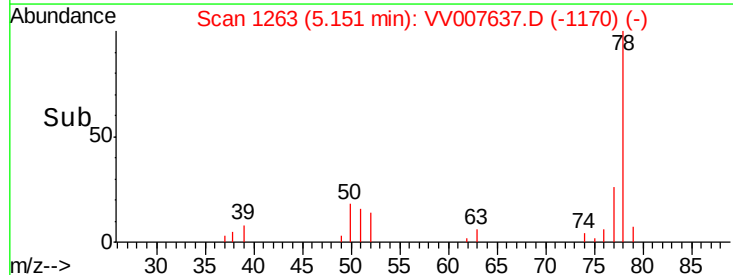
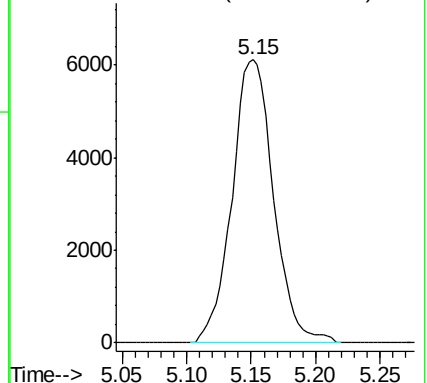
Lab File: VV007637.D

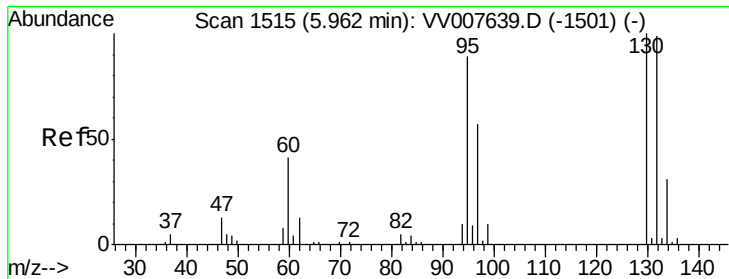
Acq: 19 Sep 2018 20:35

Tgt Ion: 78 Resp: 13672



Abundance Ion 78.10 (77.80 to 78.80): VV0

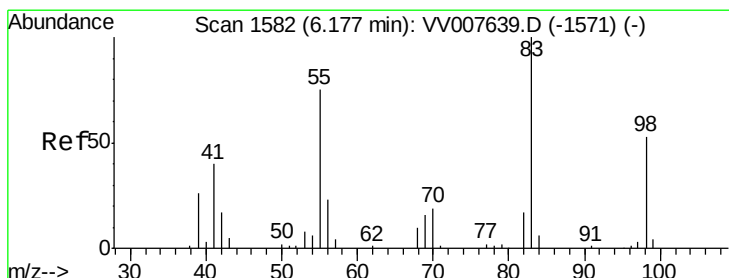
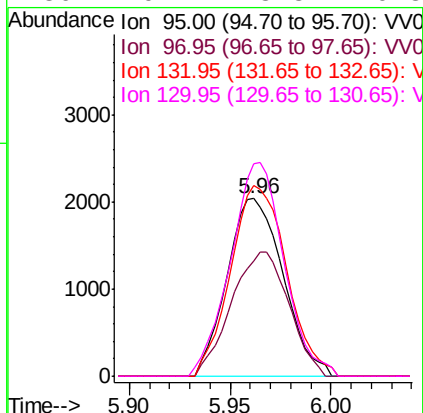
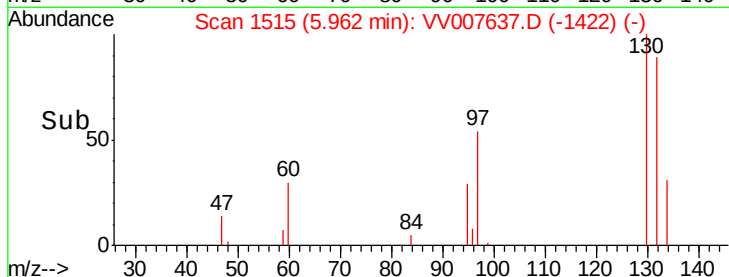
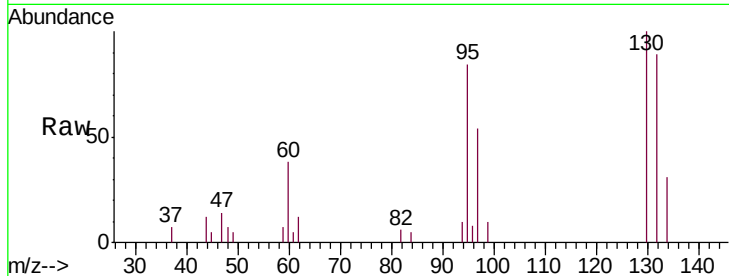




#34
 Trichloroethene
 Concen: 0.493 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

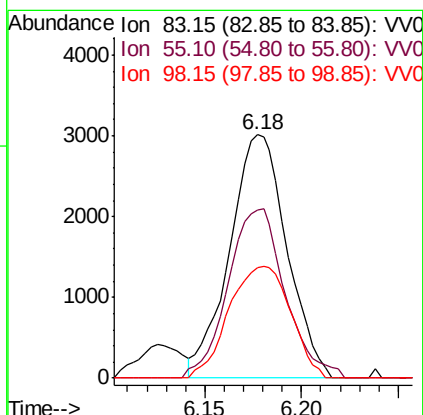
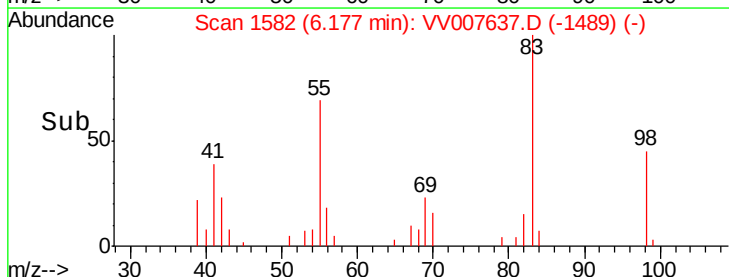
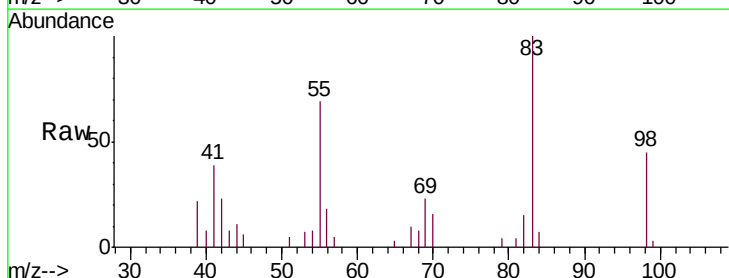
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.567

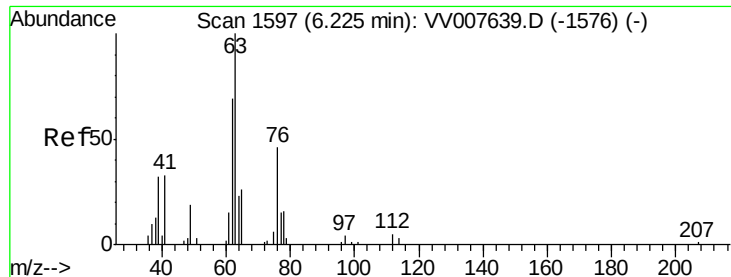
Tgt Ion: 95 Resp: 3972
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.1 83.9
 132 107.0 78.2 145.2
 130 119.7 78.8 146.3



#35
 Methylcyclohexane
 Concen: 0.529 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

Tgt Ion: 83 Resp: 6201
 Ion Ratio Lower Upper
 83 100
 55 69.4 54.8 82.2
 98 49.2 40.7 61.1

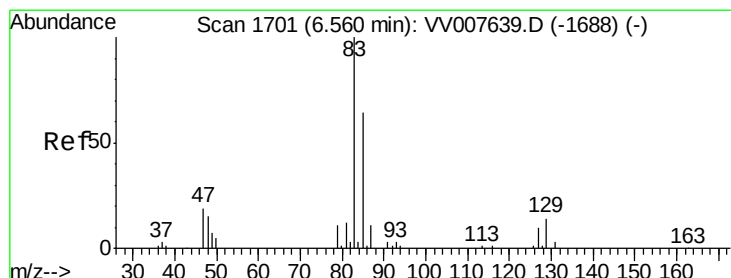
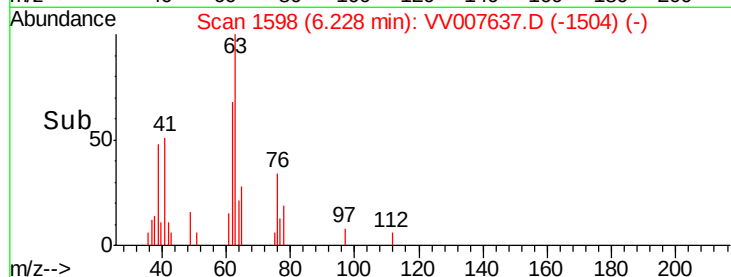
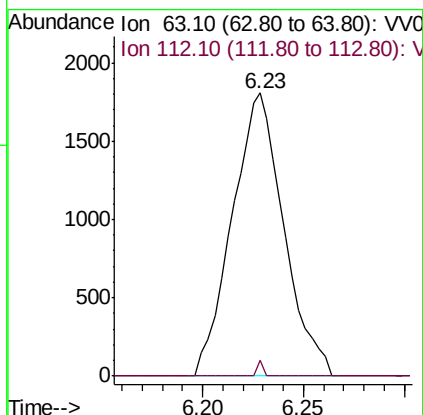
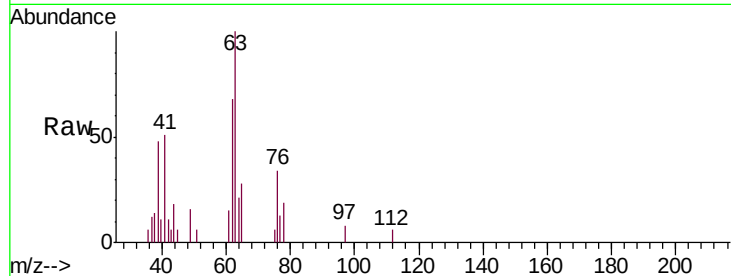




#37
 1,2-Dichloropropane
 Concen: 0.570 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

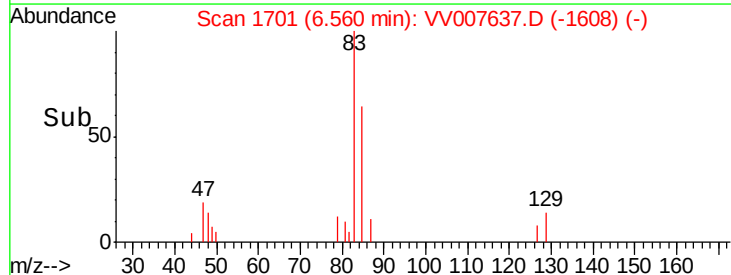
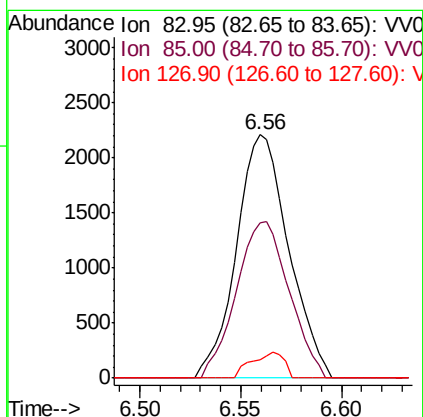
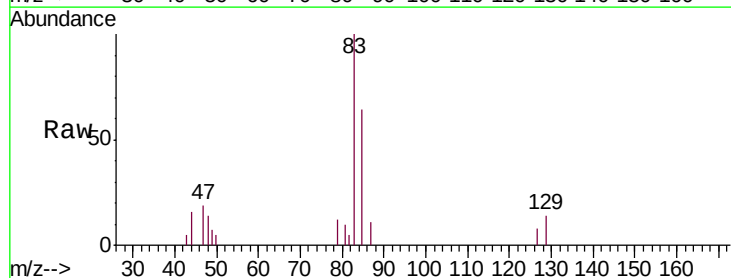
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.567

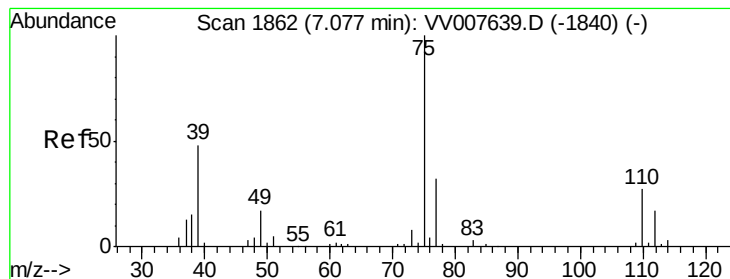
Tgt Ion: 63 Resp: 3224
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.9 5.9#



#38
 Bromodichloromethane
 Concen: 0.497 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

Tgt Ion: 83 Resp: 4006
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.5 82.7
 127 7.5 7.9 11.9#



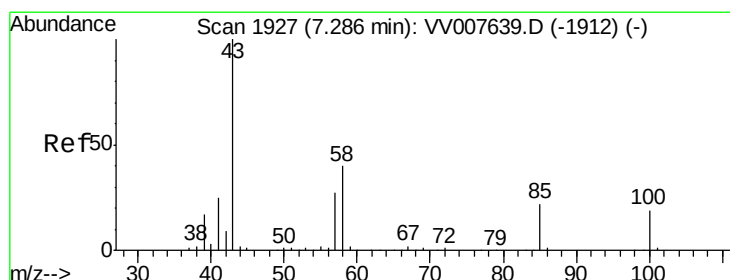
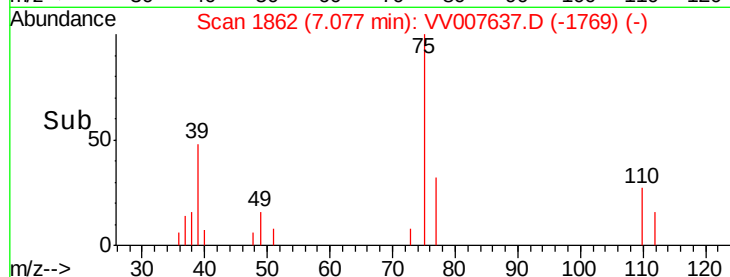
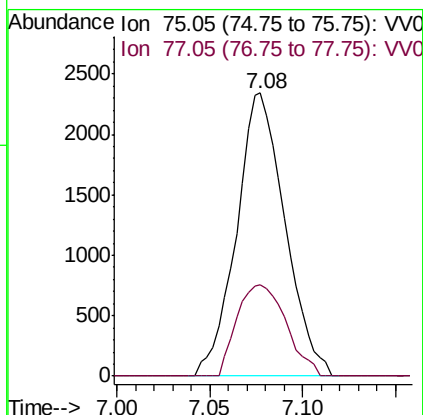
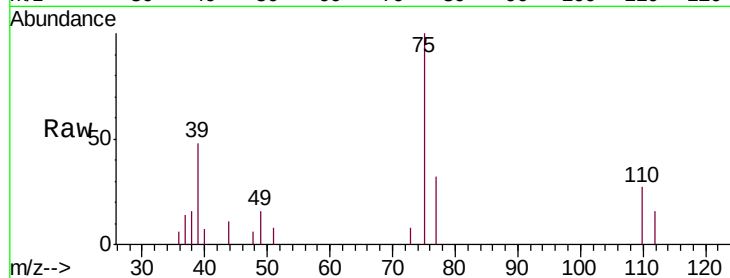


#39

cis-1,3-Dichloropropene
 Concen: 0.464 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.567

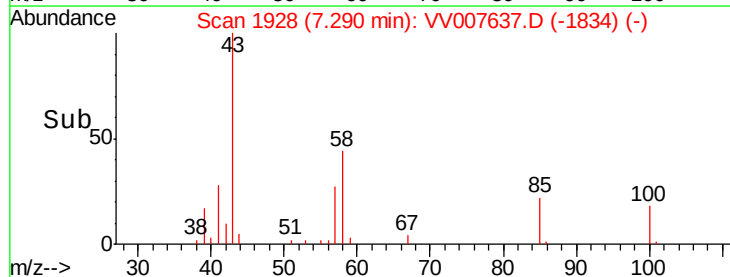
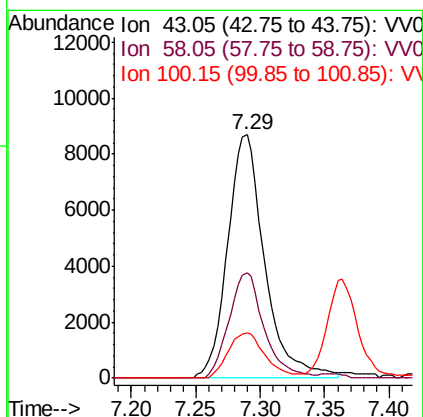
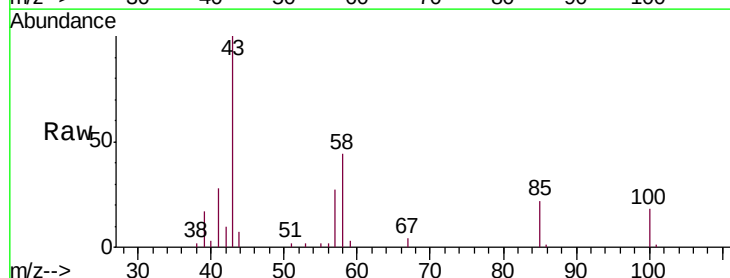
Tgt Ion: 75 Resp: 4252
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.7 42.3

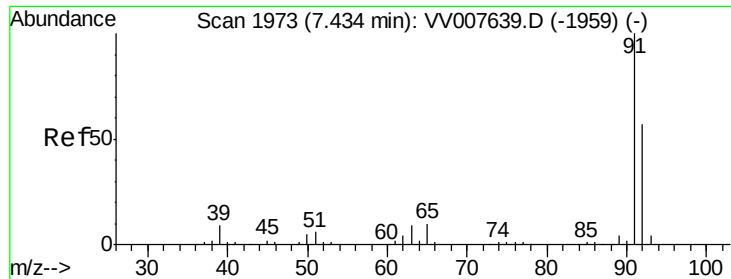


#40

4-Methyl-2-pentanone
 Concen: 5.283 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

Tgt Ion: 43 Resp: 17374
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.4 48.6
 100 18.5 14.6 21.8





#42

Toluene

Concen: 0.514 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

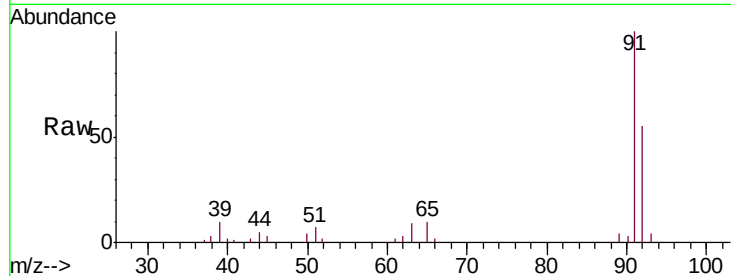
VSTD0.567

Tgt Ion: 91 Resp: 14689

Ion Ratio Lower Upper

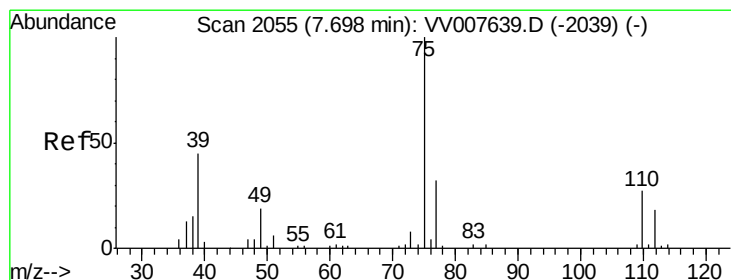
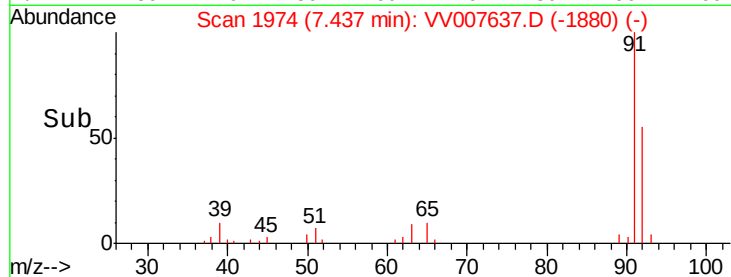
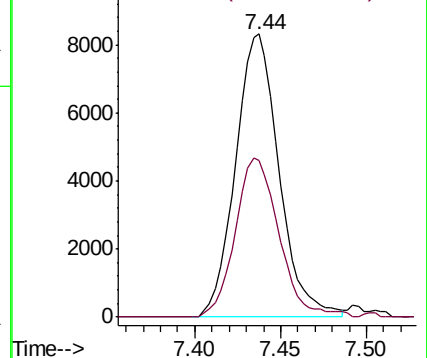
91 100

92 55.3 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.454 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV007637.D

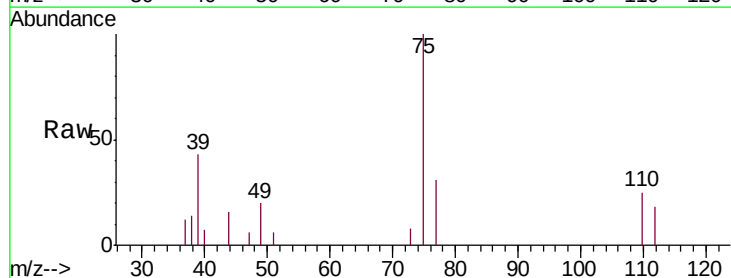
Acq: 19 Sep 2018 20:35

Tgt Ion: 75 Resp: 3335

Ion Ratio Lower Upper

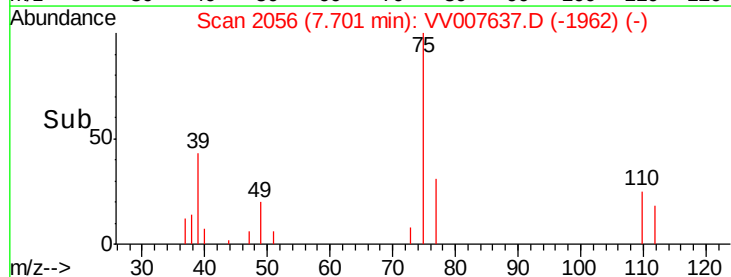
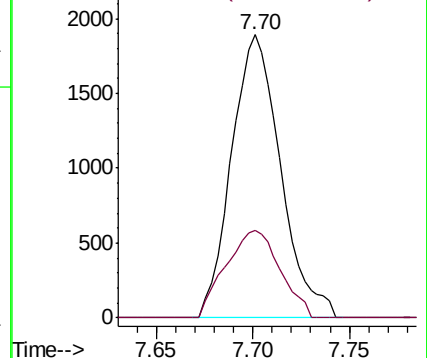
75 100

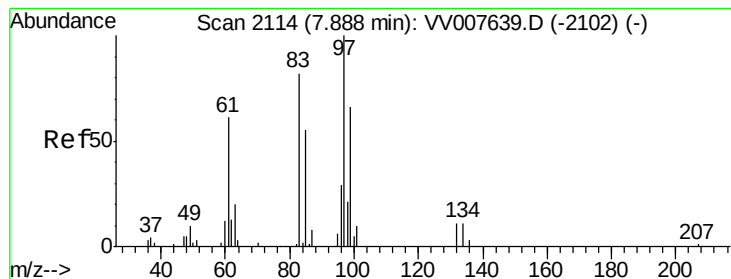
77 30.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 0.525 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.567

Tgt Ion: 97 Resp: 2400

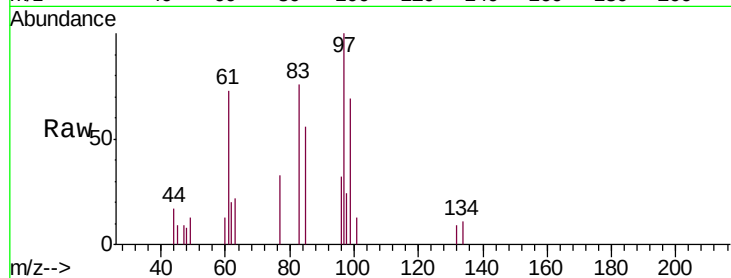
Ion Ratio Lower Upper

97 100

99 68.6 46.0 85.4

83 76.3 57.3 106.3

85 55.7 38.4 71.4

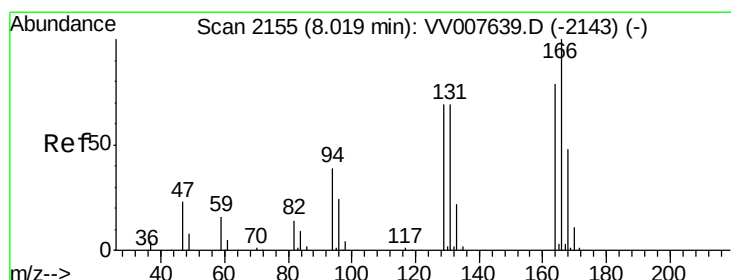
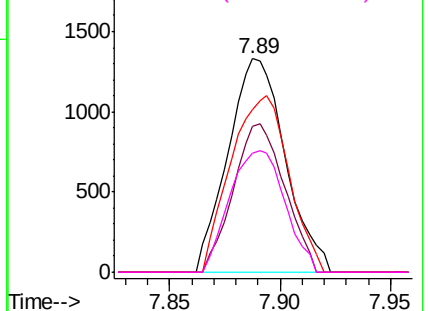
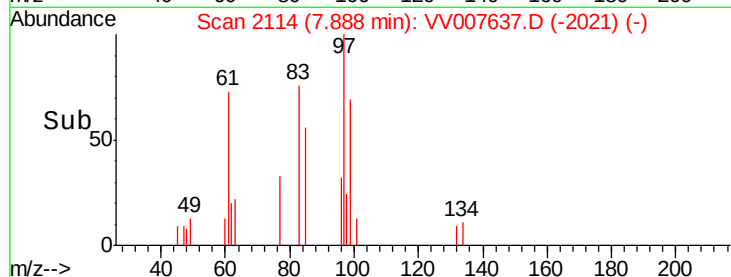


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 0.523 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Tgt Ion: 164 Resp: 3857

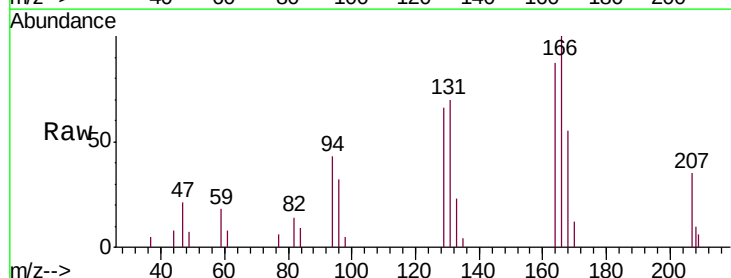
Ion Ratio Lower Upper

164 100

129 75.8 61.5 114.3

131 80.5 60.9 113.1

166 115.1 88.8 165.0

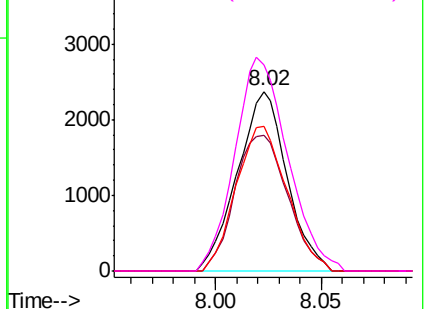
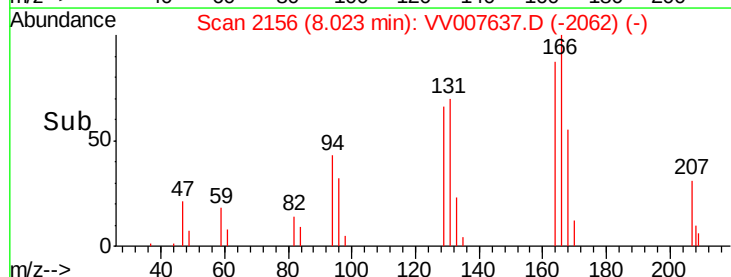


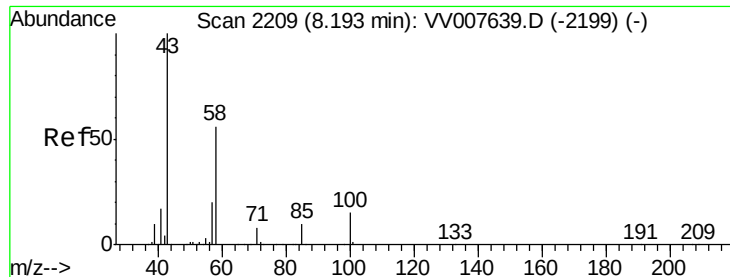
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 4.632 ug/L

RT: 8.20 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.567

Tgt Ion: 43 Resp: 11551

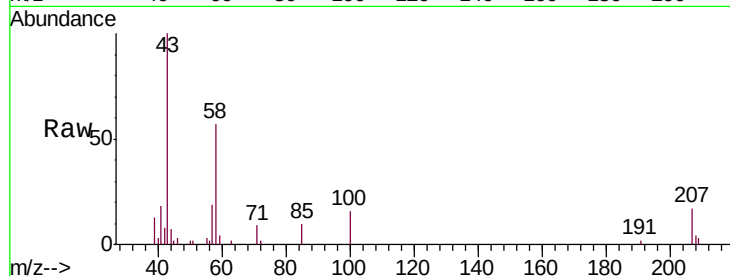
Ion Ratio Lower Upper

43 100

58 57.2 45.3 67.9

57 20.1 16.6 24.8

100 14.3 11.4 17.0

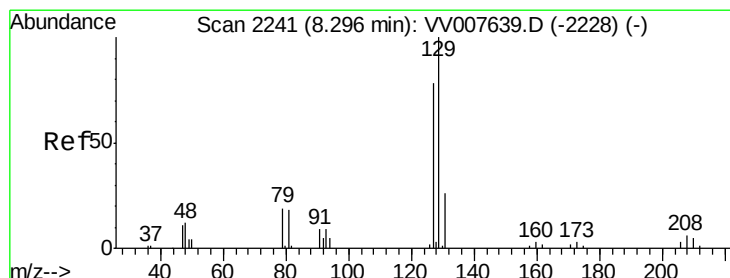
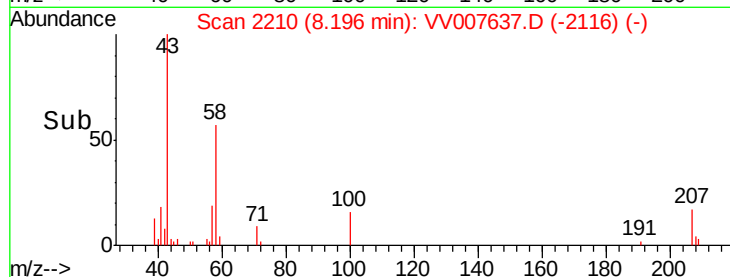
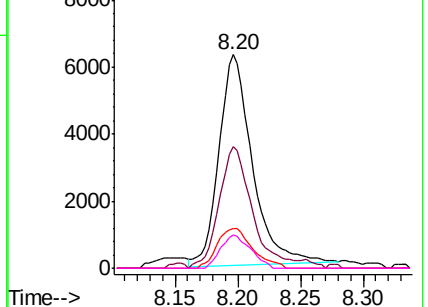


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 0.446 ug/L

RT: 8.30 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VV007637.D

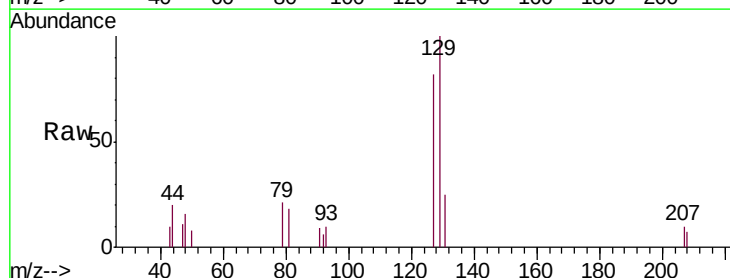
Acq: 19 Sep 2018 20:35

Tgt Ion: 129 Resp: 2672

Ion Ratio Lower Upper

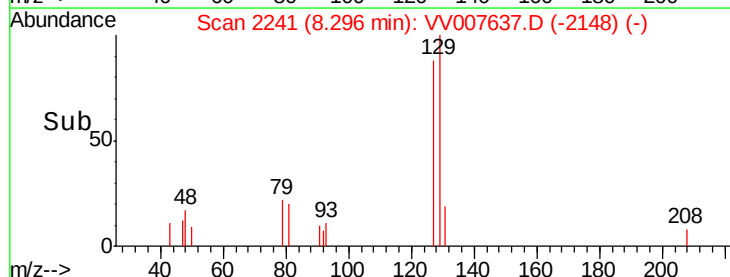
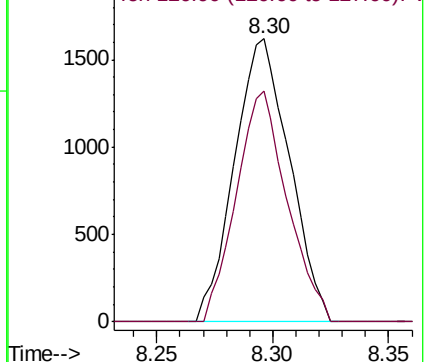
129 100

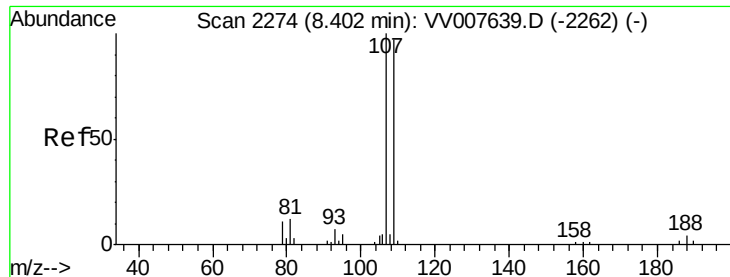
127 81.7 54.9 102.1



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

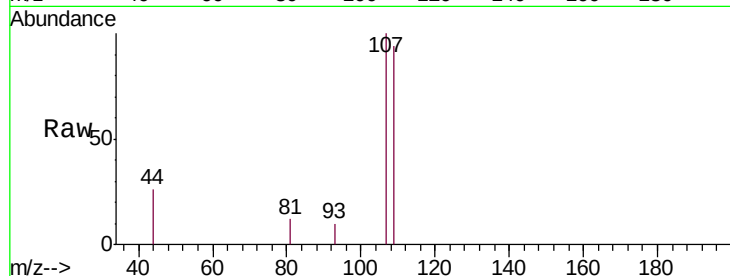




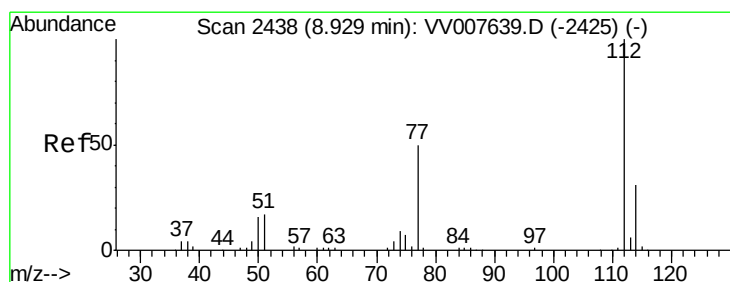
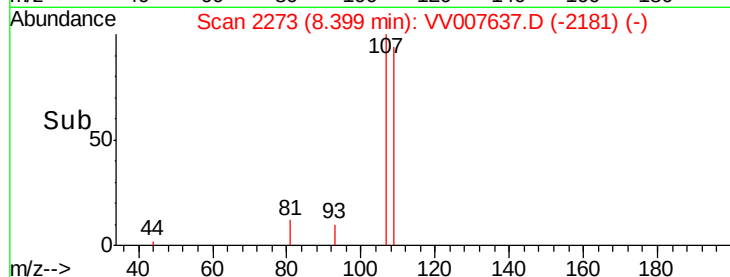
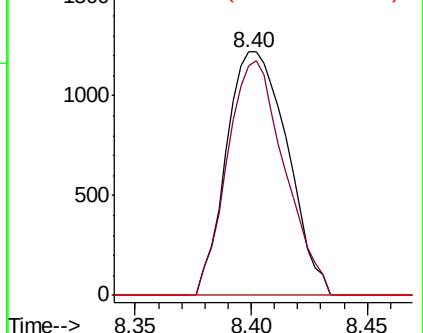
#50
1,2-Dibromoethane
Concen: 0.493 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV007637.D
Acq: 19 Sep 2018 20:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.567

Tgt Ion:107 Resp: 2231
Ion Ratio Lower Upper
107 100
109 94.0 68.0 126.4
188 0.0 3.5 5.3#

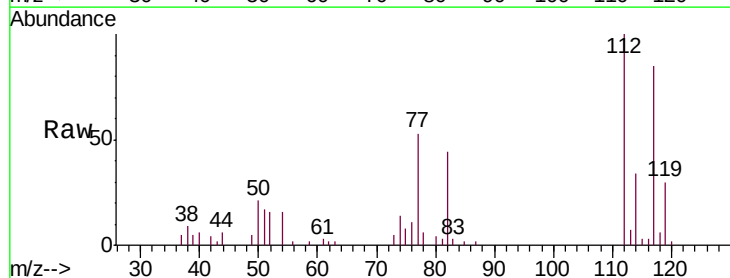


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

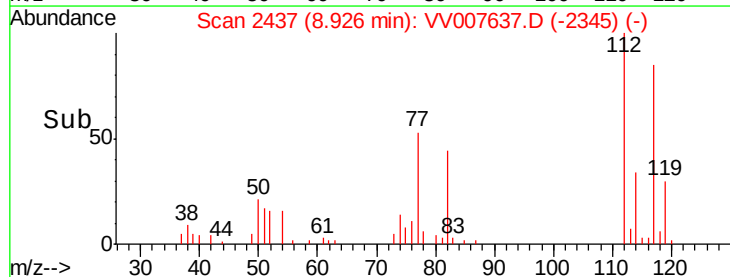
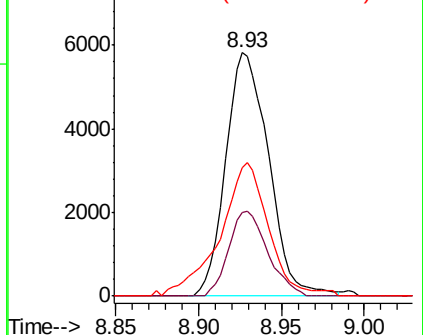


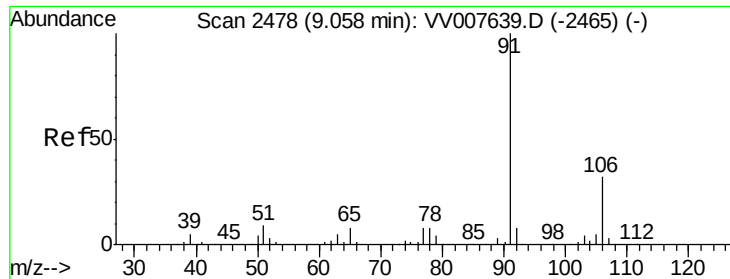
#51
Chlorobenzene
Concen: 0.528 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV007637.D
Acq: 19 Sep 2018 20:35

Tgt Ion:112 Resp: 10474
Ion Ratio Lower Upper
112 100
114 34.3 21.5 39.9
77 52.5 40.8 61.2



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: 0.504 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

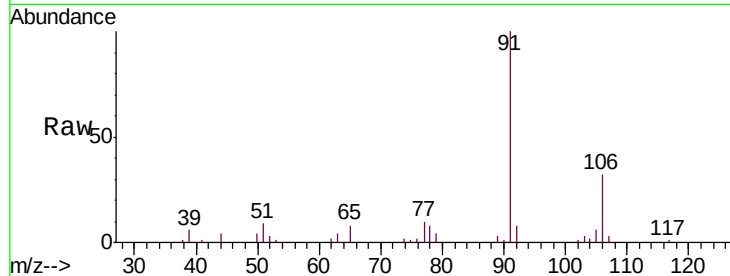
VSTD0.567

Tgt Ion: 91 Resp: 16331

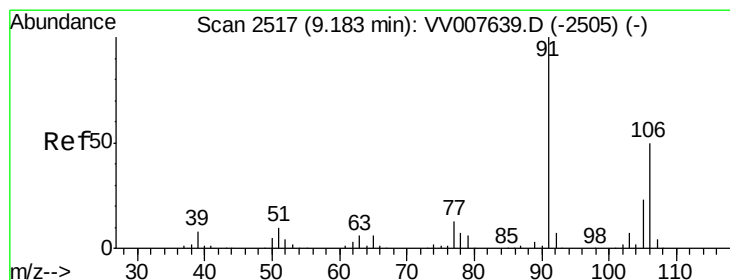
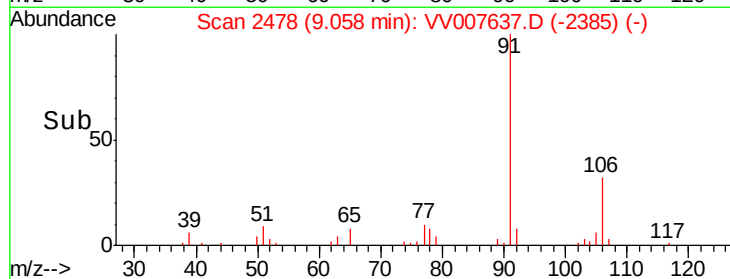
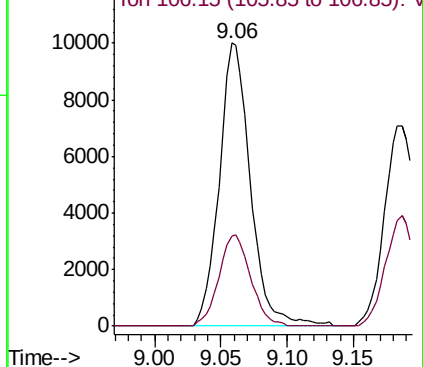
Ion Ratio Lower Upper

91 100

106 31.8 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV007637.D (-2465) (-)



#53

m,p-xylene

Concen: 0.493 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007637.D

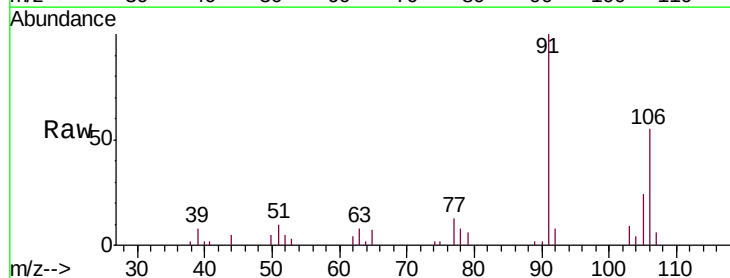
Acq: 19 Sep 2018 20:35

Tgt Ion: 106 Resp: 6442

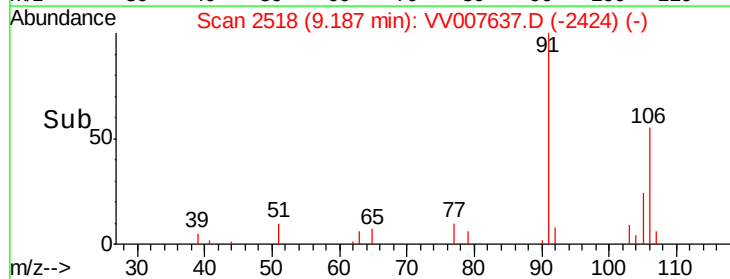
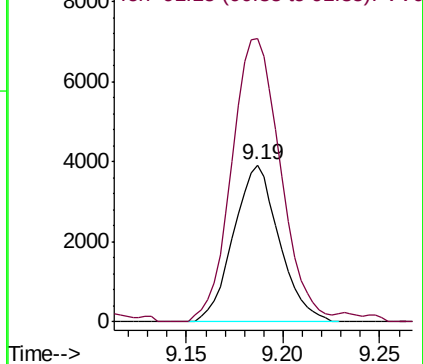
Ion Ratio Lower Upper

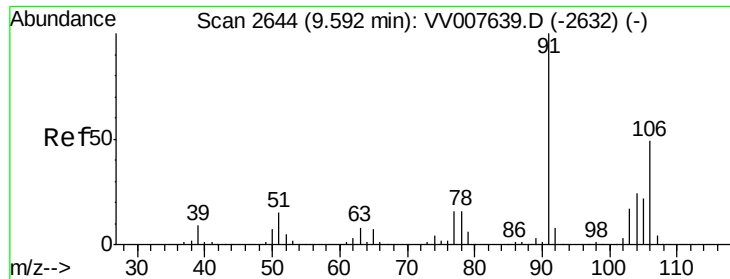
106 100

91 180.5 140.9 261.7



Abundance Ion 106.15 (105.85 to 106.85): VV007637.D (-2505) (-)





#54

o-xylene

Concen: 0.527 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

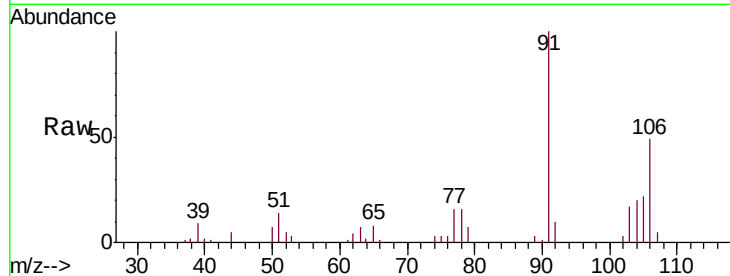
VSTD0.567

Tgt Ion:106 Resp: 6486

Ion Ratio Lower Upper

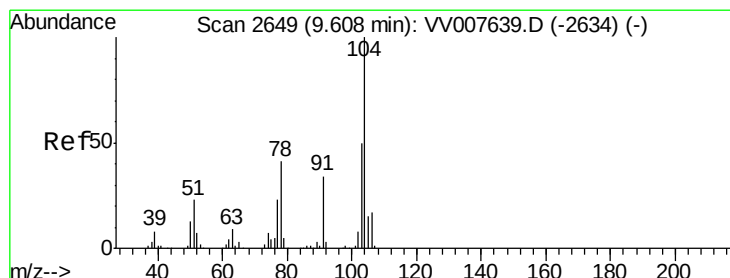
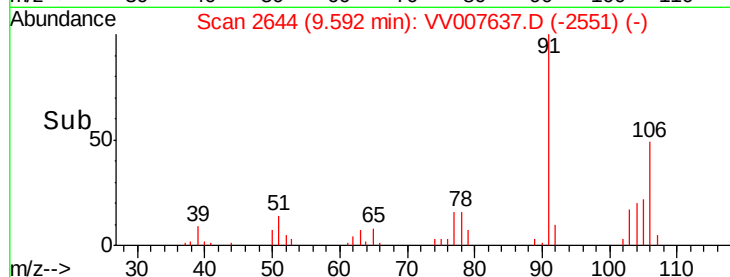
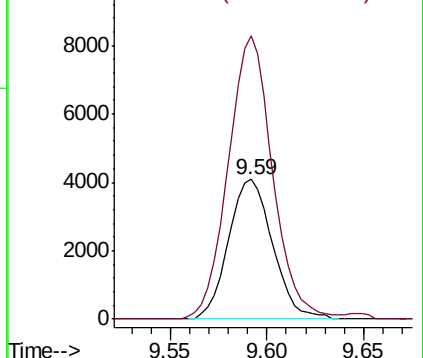
106 100

91 202.6 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.494 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007637.D

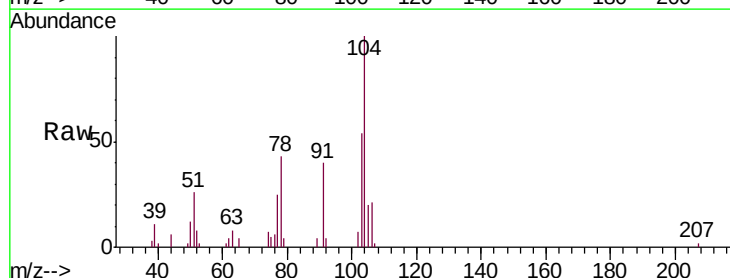
Acq: 19 Sep 2018 20:35

Tgt Ion:104 Resp: 10101

Ion Ratio Lower Upper

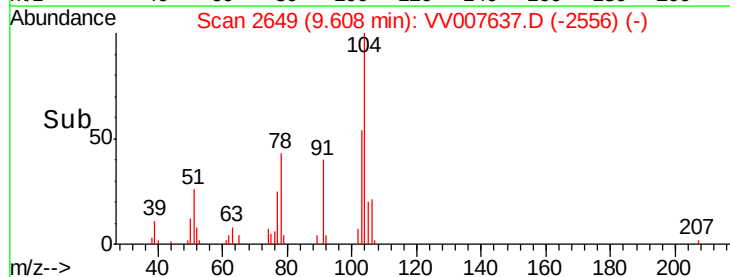
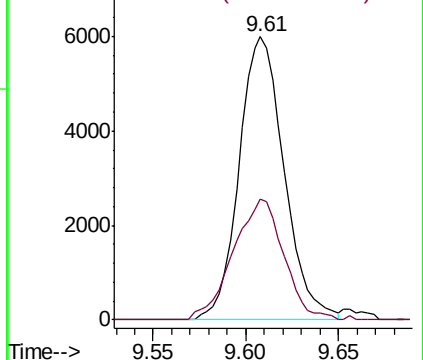
104 100

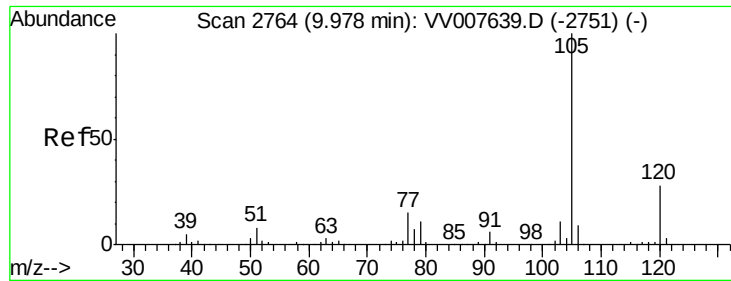
78 42.7 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.519 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.567

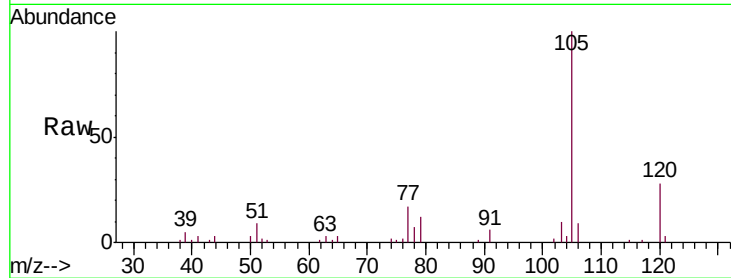
Tgt Ion: 105 Resp: 17642

Ion Ratio Lower Upper

105 100

120 27.9 22.4 33.6

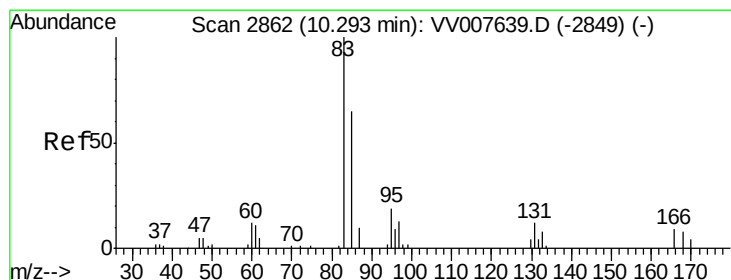
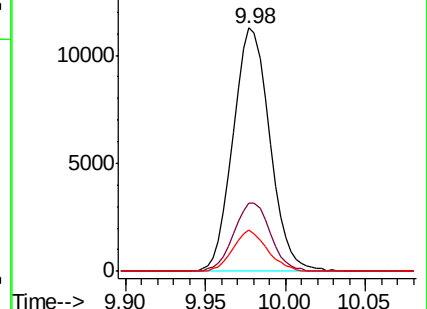
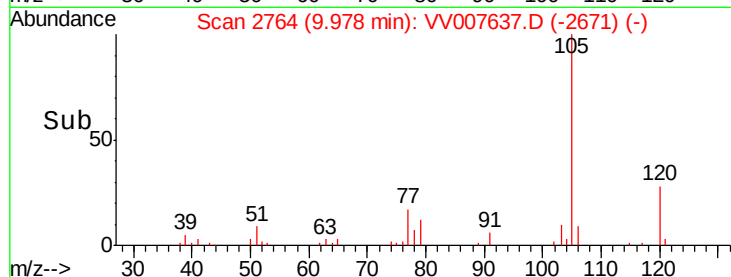
77 15.6 11.8 17.6



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: 0.645 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

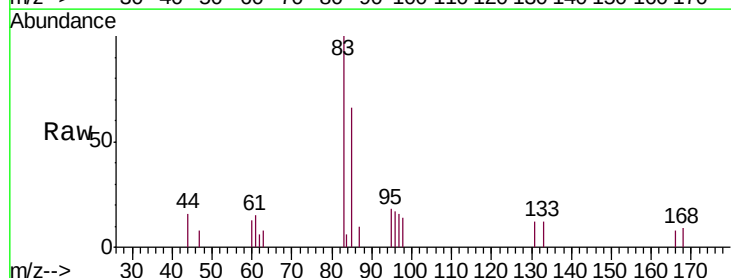
Tgt Ion: 83 Resp: 2802

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.2

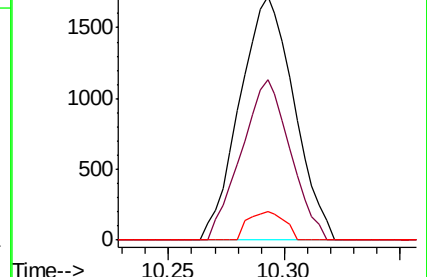
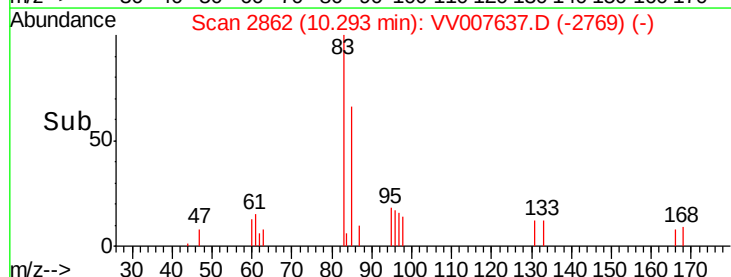
131 11.5 9.4 14.0

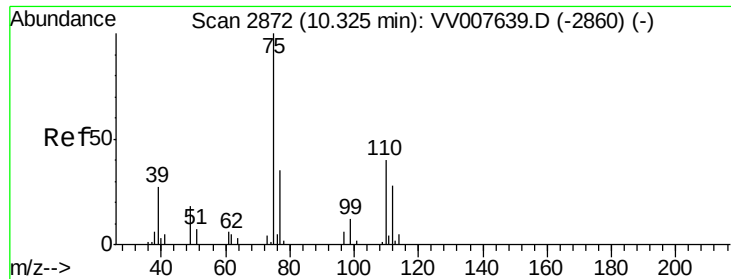


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.501 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

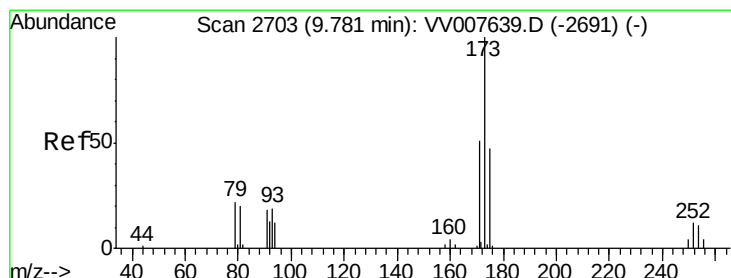
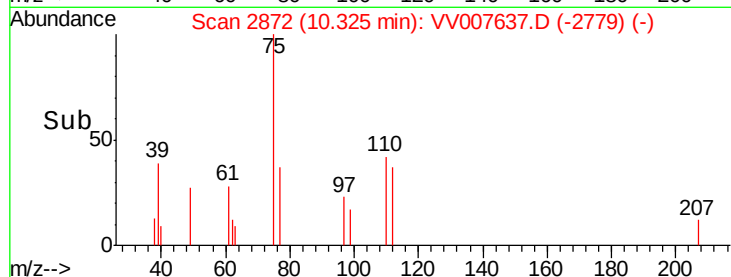
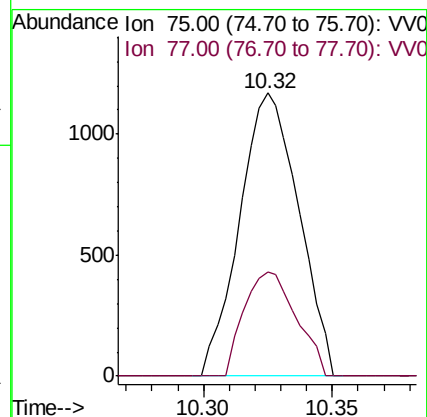
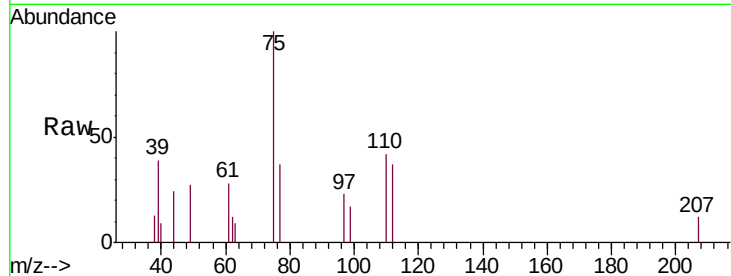
VSTD0.567

Tgt Ion: 75 Resp: 1869

Ion Ratio Lower Upper

75 100

77 32.6 26.5 39.7



#61

Bromoform

Concen: 0.465 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

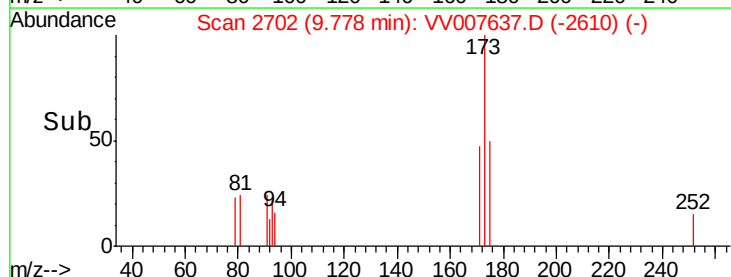
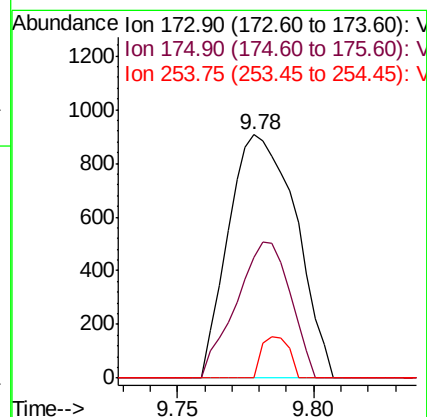
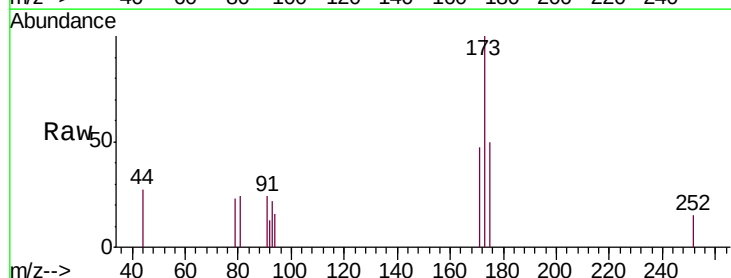
Tgt Ion: 173 Resp: 1556

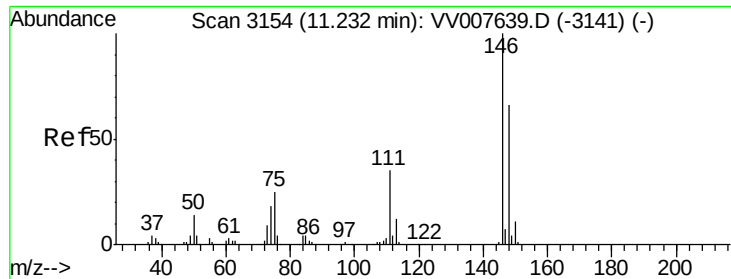
Ion Ratio Lower Upper

173 100

175 45.1 37.5 56.3

254 6.8 8.5 12.7#

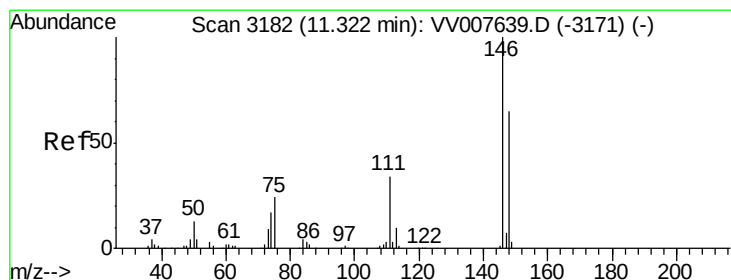
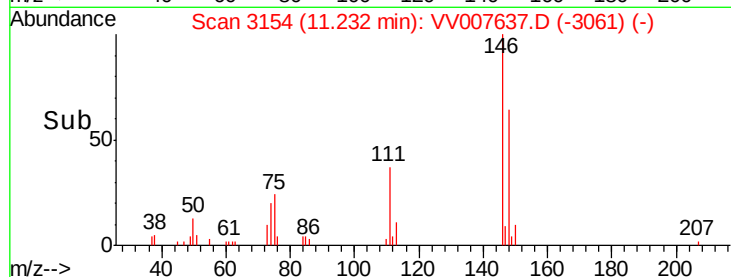
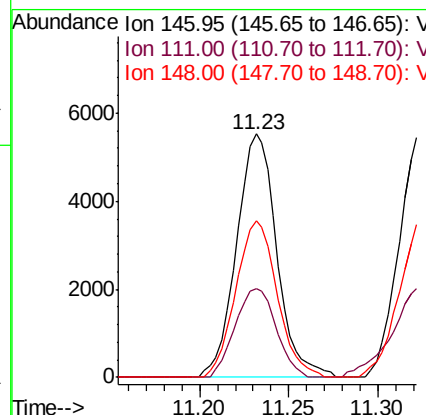
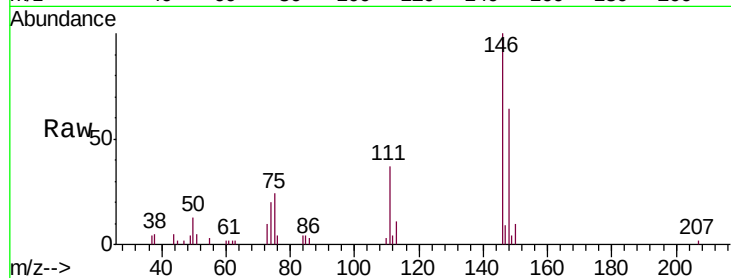




#62
 1,3-Dichlorobenzene
 Concen: 0.519 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

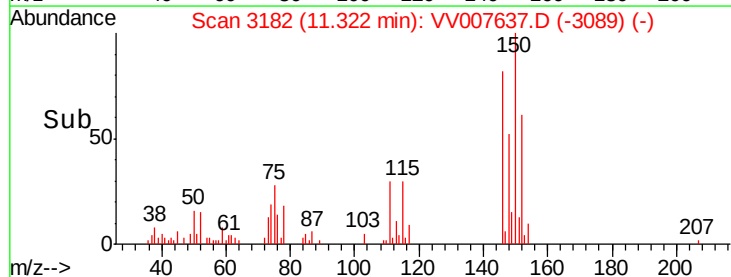
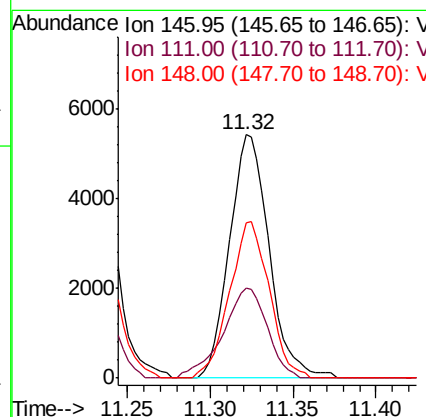
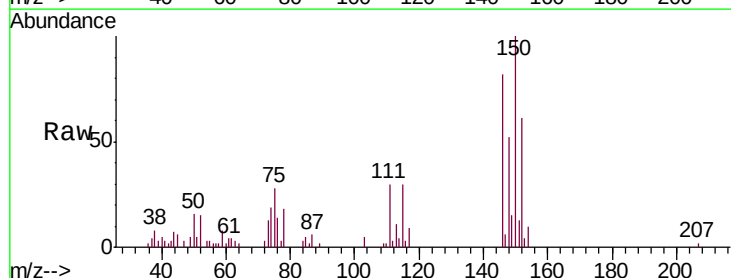
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.567

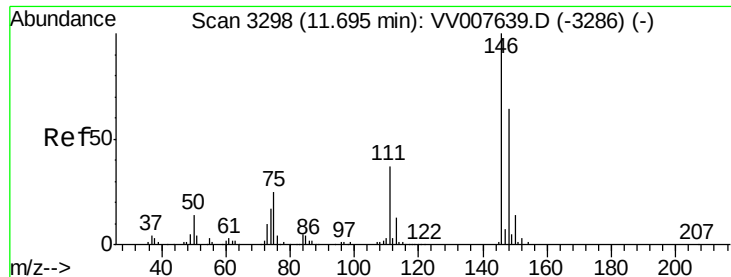
Tgt Ion:146 Resp: 8707
 Ion Ratio Lower Upper
 146 100
 111 36.7 24.7 45.9
 148 64.3 46.1 85.7



#63
 1,4-Dichlorobenzene
 Concen: 0.544 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

Tgt Ion:146 Resp: 9032
 Ion Ratio Lower Upper
 146 100
 111 37.1 24.3 45.1
 148 63.9 45.7 84.9





#65

1,2-Dichlorobenzene

Concen: 0.539 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.567

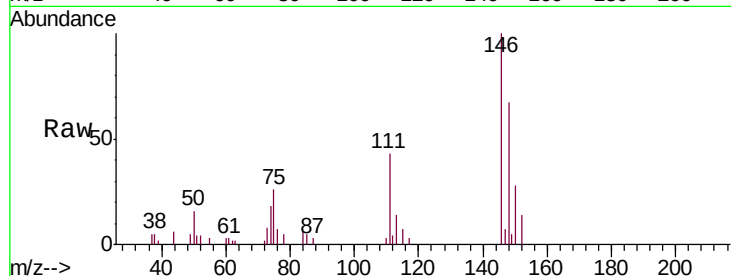
Tgt Ion:146 Resp: 8339

Ion Ratio Lower Upper

146 100

111 43.4 30.0 45.0

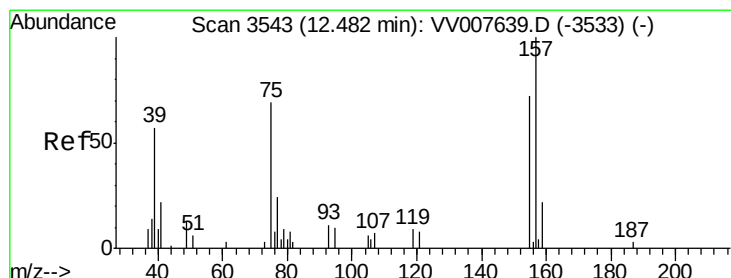
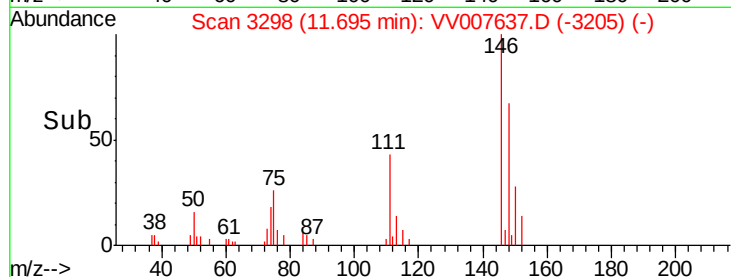
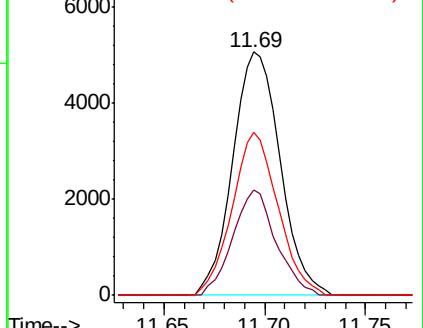
148 67.1 51.5 77.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.473 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

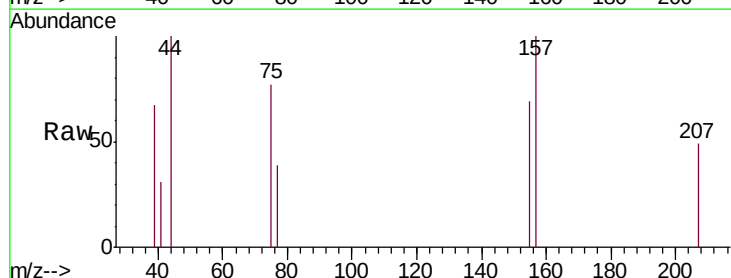
Tgt Ion: 75 Resp: 315

Ion Ratio Lower Upper

75 100

155 89.7 84.6 127.0

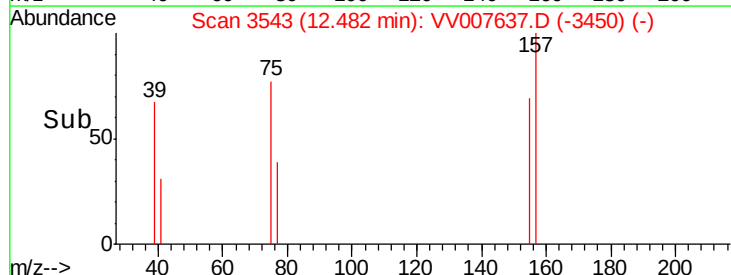
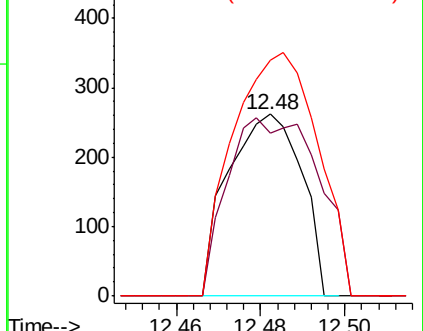
157 129.4 116.8 175.2

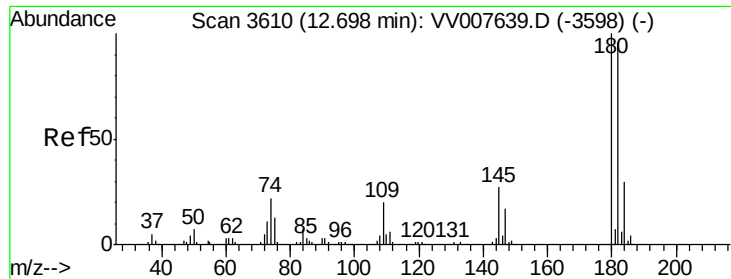


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

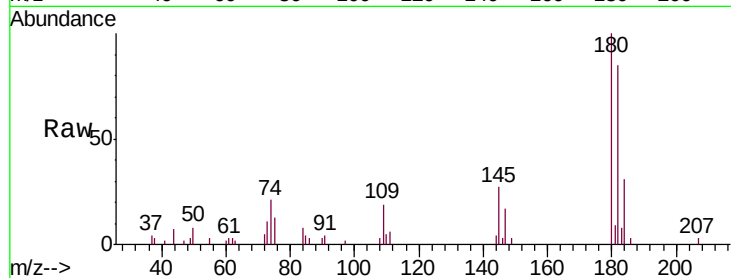




#67
 1,3,5-Trichlorobenzene
 Concen: 0.585 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.567

Tgt Ion:	180	Resp:	7860
Ion	Ratio	Lower	Upper
180	100		
182	88.7	75.8	113.8
184	30.4	24.5	36.7
145	26.4	21.4	32.2



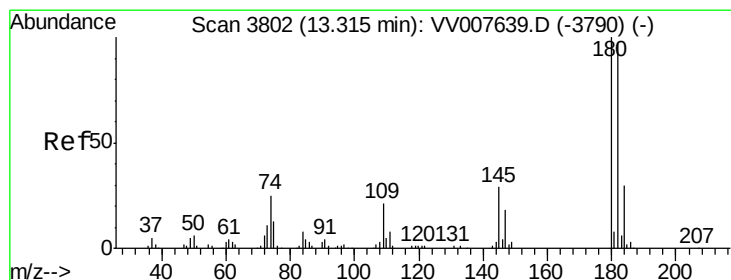
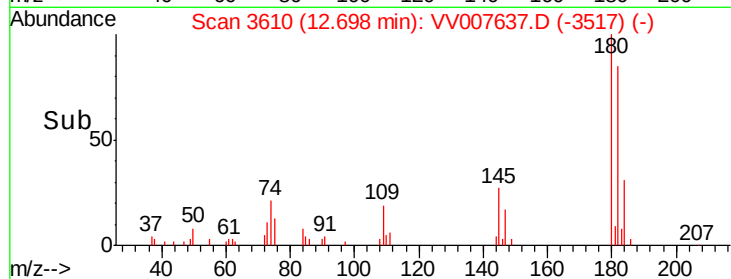
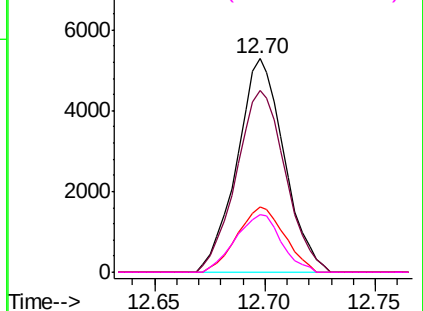
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

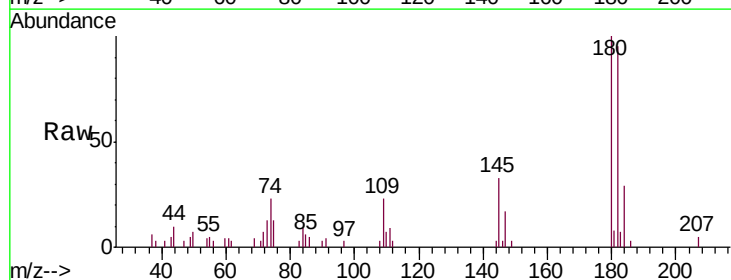
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.635 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007637.D
 Acq: 19 Sep 2018 20:35

Tgt Ion:	180	Resp:	6145
Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.8	116.6
145	27.8	23.0	34.4

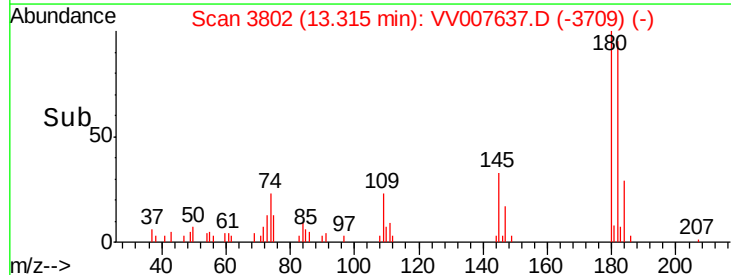
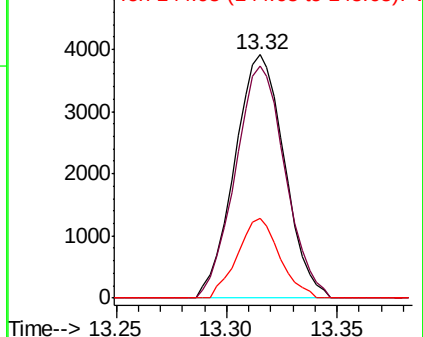


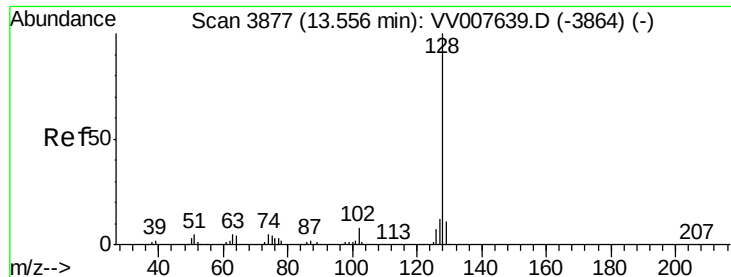
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.762 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.567

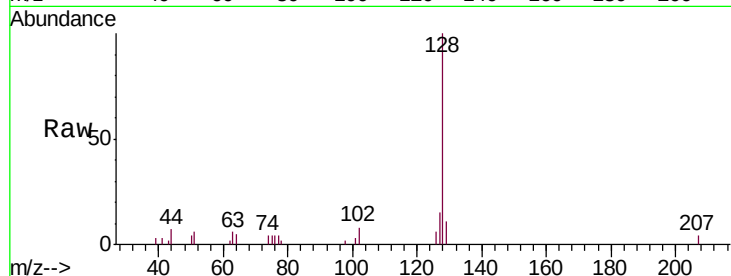
Tgt Ion:128 Resp: 9190

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

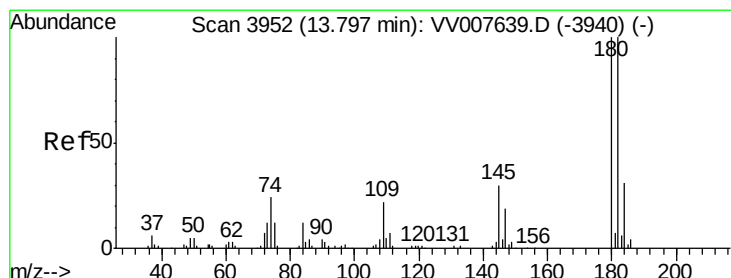
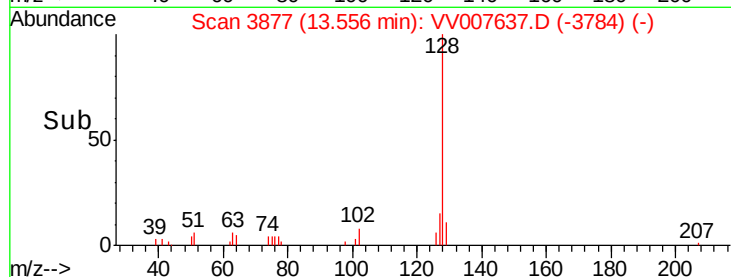
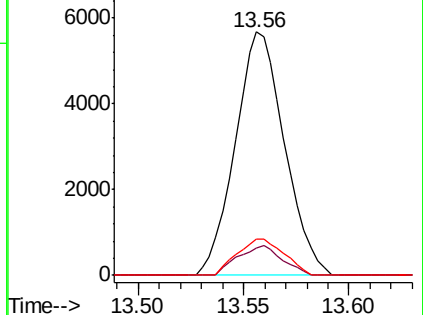
127 14.3 10.2 15.2



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: 0.654 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007637.D

Acq: 19 Sep 2018 20:35

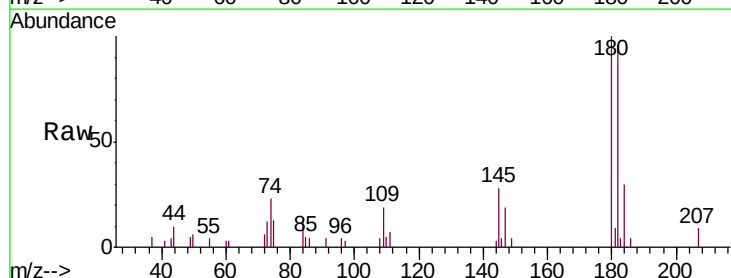
Tgt Ion:180 Resp: 5800

Ion Ratio Lower Upper

180 100

182 94.2 79.7 119.5

145 28.2 23.9 35.9



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

