

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
 Data File : VV008762.D
 Acq On : 29 Nov 2018 14:28
 Operator : SY/MD
 Sample : VSTD0.563
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.563

Quant Time: Nov 30 04:37:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 30 04:34:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	195291	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	180292	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	82114	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8134	0.71	ug/L	0.00
7) Chloroethane-d5	1.59	69	5646	0.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	13204	0.60	ug/L	0.00
20) 2-Butanone-d5	3.97	46	17088	5.68	ug/L	0.00
24) Chloroform-d	4.41	84	15040	0.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	7448	0.60	ug/L	0.00
32) Benzene-d6	5.10	84	31515	0.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	9517	0.58	ug/L	0.00
41) Toluene-d8	7.36	98	28216	0.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	2822	0.50	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	11056	5.03	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	5599	0.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	9875	0.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8749	0.519 ug/L	99
3) Chloromethane	1.26	50	6496	0.489 ug/L	93
5) Vinyl chloride	1.33	62	6308	0.473 ug/L	93
6) Bromomethane	1.54	94	4181	0.561 ug/L	98
8) Chloroethane	1.60	64	3987	0.601 ug/L	93
9) Trichlorofluoromethane	1.78	101	9752	0.527 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5689	0.521 ug/L	100
12) 1,1-Dichloroethene	2.14	96	4817	0.495 ug/L	83
13) Acetone	2.22	43	7529	4.960 ug/L	95
14) Carbon disulfide	2.32	76	13567	0.462 ug/L	99
15) Methyl Acetate	2.47	43	2715	0.690 ug/L #	84
16) Methylene chloride	2.54	84	6592	0.612 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	12012	0.520 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	5315	0.509 ug/L	96
19) 1,1-Dichloroethane	3.23	63	12079	0.510 ug/L	97
21) 2-Butanone	4.06	43	14449	4.692 ug/L	83
22) cis-1,2-Dichloroethene	3.96	96	7360	0.505 ug/L	89
23) Bromochloromethane	4.31	128	2906	0.483 ug/L	93
25) Chloroform	4.43	83	13371	0.531 ug/L	95
27) 1,2-Dichloroethane	5.18	62	6979	0.488 ug/L #	91
29) 1,1,1-Trichloroethane	4.66	97	10395	0.495 ug/L	96
30) Cyclohexane	4.73	56	10783	0.483 ug/L	99
31) Carbon tetrachloride	4.87	117	8806	0.497 ug/L	93
33) Benzene	5.15	78	26064	0.478 ug/L	100
34) Trichloroethene	5.96	95	7563	0.505 ug/L	98
35) Methylcyclohexane	6.18	83	11363	0.476 ug/L	97
37) 1,2-Dichloropropane	6.22	63	6491	0.481 ug/L	98
38) Bromodichloromethane	6.55	83	7059	0.458 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	7576	0.421 ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	31413	4.433 ug/L	100

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

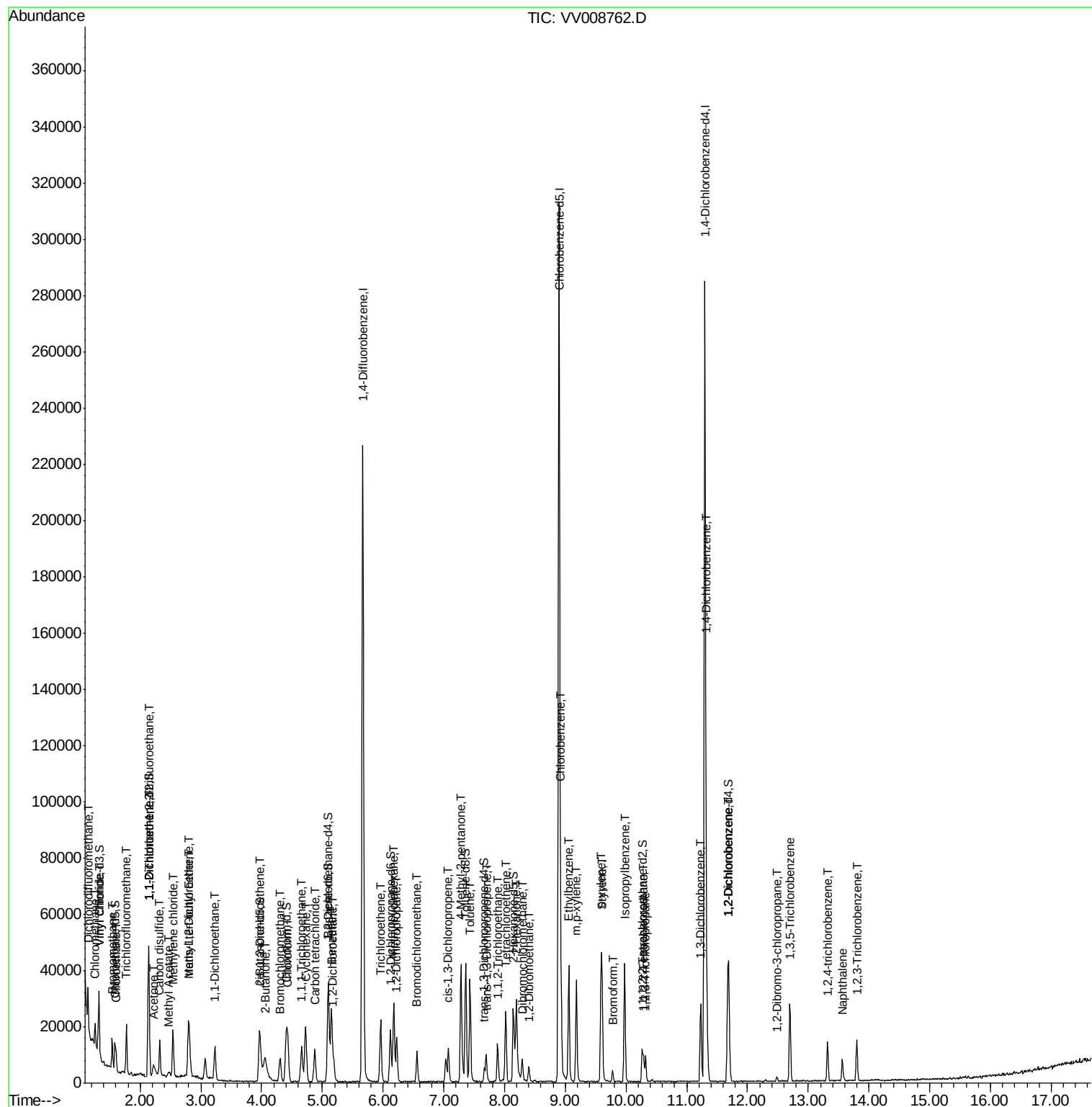
42) Toluene	7.43	91	25918	0.459	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	5952	0.423	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	4158	0.459	ug/L	94
47) Tetrachloroethene	8.02	164	5451	0.481	ug/L	91
48) 2-Hexanone	8.19	43	21570	4.371	ug/L	96
49) Dibromochloromethane	8.29	129	4187	0.436	ug/L	98
50) 1,2-Dibromoethane	8.40	107	3986	0.490	ug/L #	96
51) Chlorobenzene	8.93	112	18551	0.455	ug/L	96
52) Ethylbenzene	9.06	91	28003	0.456	ug/L	99
53) m,p-xylene	9.18	106	10051	0.437	ug/L	92
54) o-xylene	9.59	106	9429	0.423	ug/L	99
55) Styrene	9.61	104	15563	0.426	ug/L	96
56) Isopropylbenzene	9.98	105	27697	0.467	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	4152	0.430	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	3797	0.496	ug/L	90
61) Bromoform	9.78	173	1951	0.437	ug/L #	92
62) 1,3-Dichlorobenzene	11.23	146	13538	0.508	ug/L	92
63) 1,4-Dichlorobenzene	11.32	146	12758	0.447	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	13140	0.495	ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.48	75	433	0.331	ug/L	90
67) 1,3,5-Trichlorobenzene	12.70	180	9020	0.462	ug/L	94
68) 1,2,4-trichlorobenzene	13.32	180	5462	0.379	ug/L	100
69) Naphthalene	13.56	128	6359	0.303	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	5183	0.398	ug/L	98

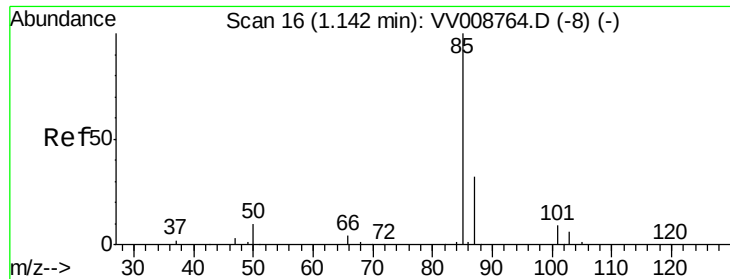
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.519 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

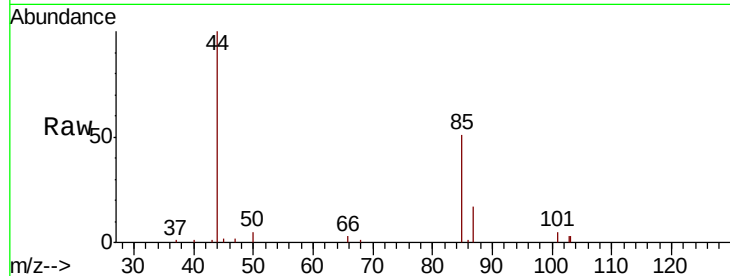
VSTD0.563

Tgt Ion: 85 Resp: 8749

Ion Ratio Lower Upper

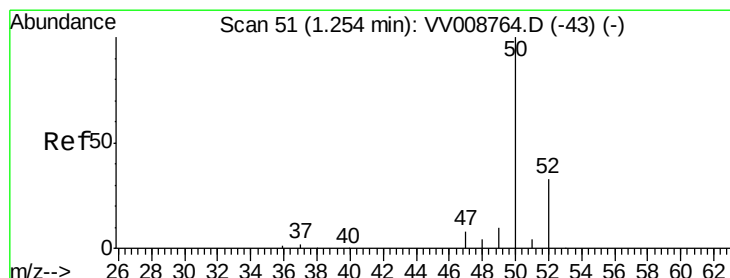
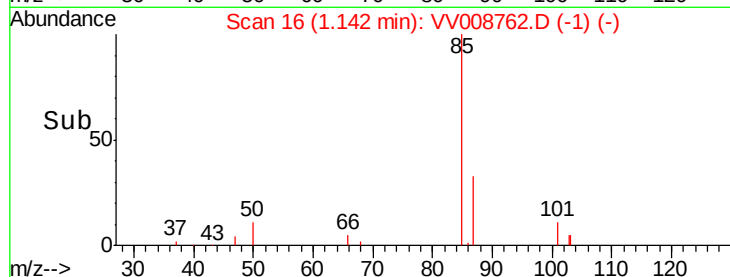
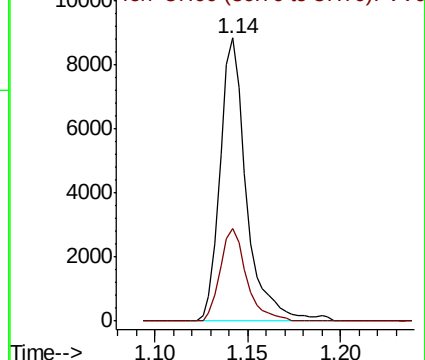
85 100

87 32.3 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV008764.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008764.D (-8) (-)



#3

Chloromethane

Concen: 0.489 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV008762.D

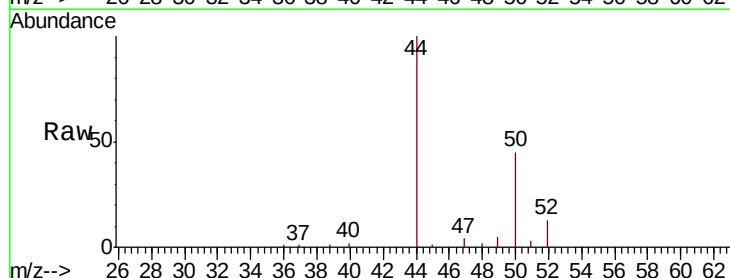
Acq: 29 Nov 2018 14:28

Tgt Ion: 50 Resp: 6496

Ion Ratio Lower Upper

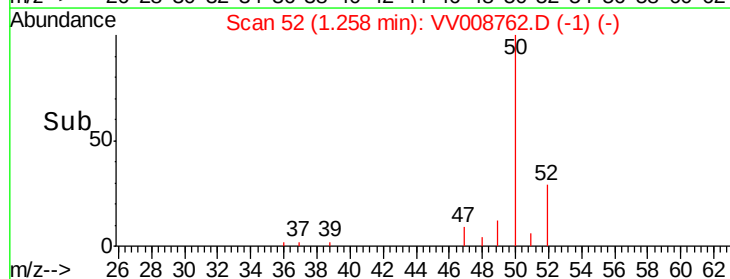
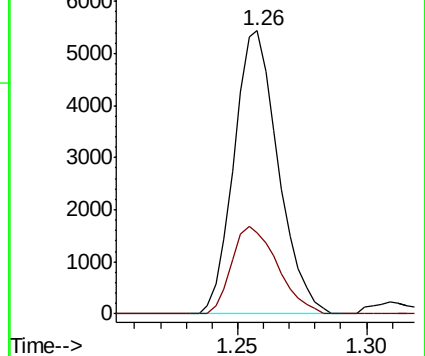
50 100

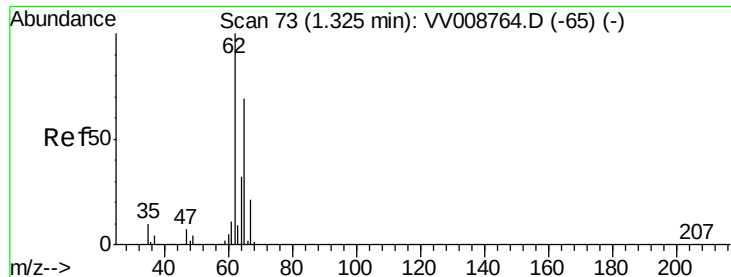
52 28.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV008764.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008764.D (-43) (-)





#5

Vinyl chloride

Concen: 0.473 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

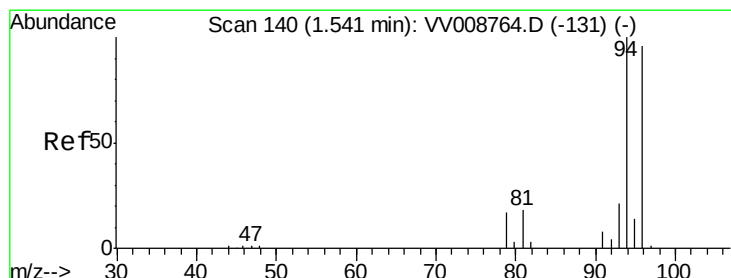
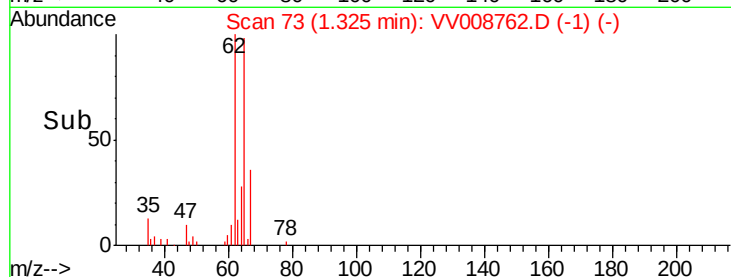
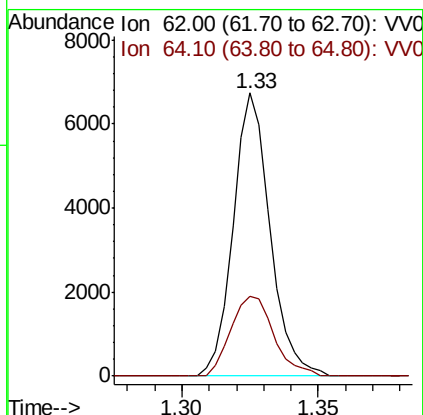
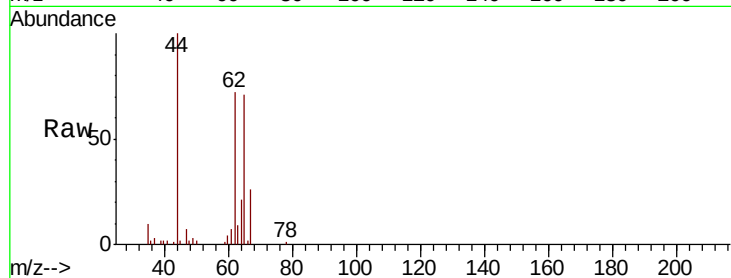
VSTD0.563

Tgt Ion: 62 Resp: 6308

Ion Ratio Lower Upper

62 100

64 28.3 22.7 42.1



#6

Bromomethane

Concen: 0.561 ug/L

RT: 1.54 min Scan# 140

Delta R.T. -0.00 min

Lab File: VV008762.D

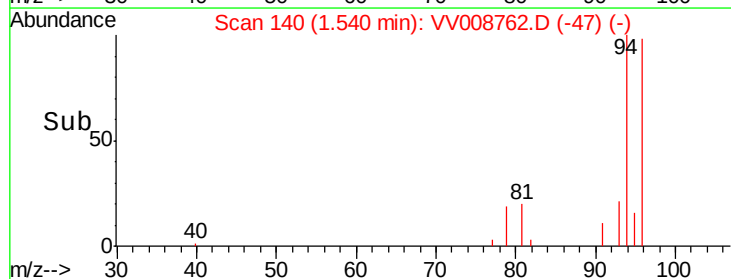
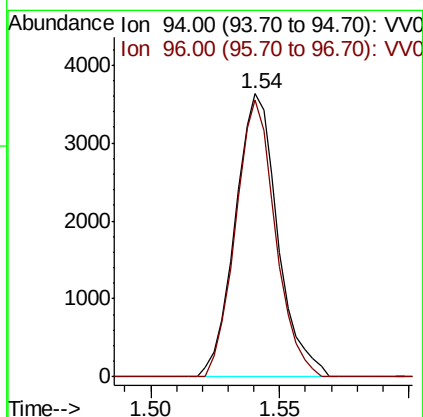
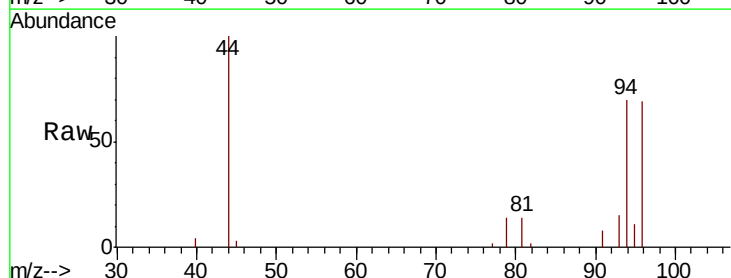
Acq: 29 Nov 2018 14:28

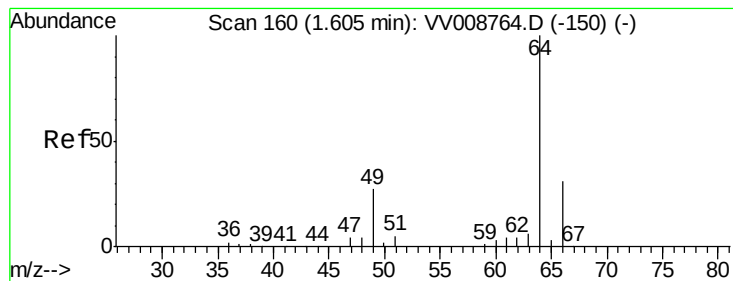
Tgt Ion: 94 Resp: 4181

Ion Ratio Lower Upper

94 100

96 98.0 67.0 124.4





#8

Chloroethane

Concen: 0.601 ug/L

RT: 1.60 min Scan# 160

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

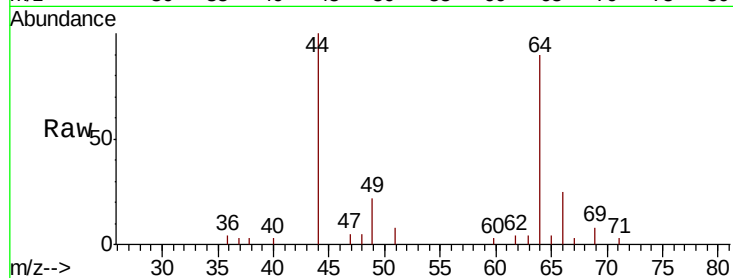
VSTD0.563

Tgt Ion: 64 Resp: 3987

Ion Ratio Lower Upper

64 100

66 27.5 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV008764.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008764.D (-150) (-)

1.60

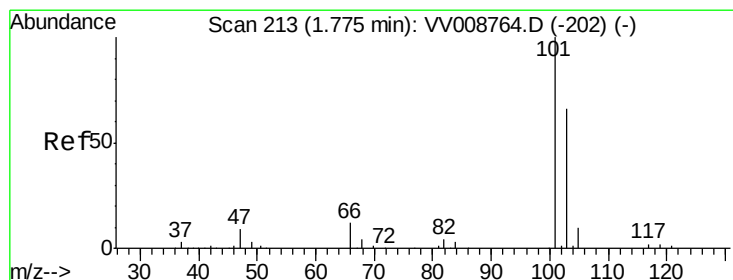
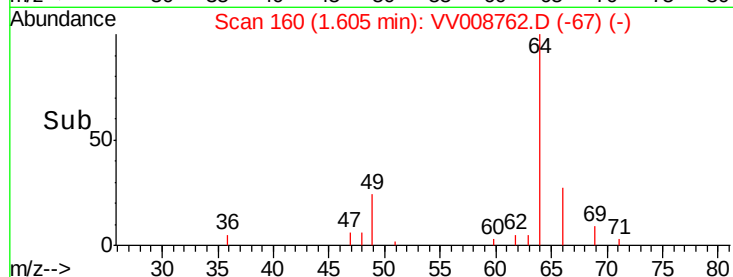
3000

2000

1000

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.527 ug/L

RT: 1.78 min Scan# 213

Delta R.T. -0.00 min

Lab File: VV008762.D

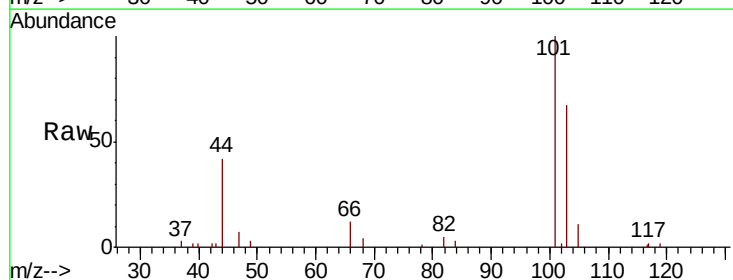
Acq: 29 Nov 2018 14:28

Tgt Ion: 101 Resp: 9752

Ion Ratio Lower Upper

101 100

103 64.7 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV008764.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008764.D (-202) (-)

1.78

8000

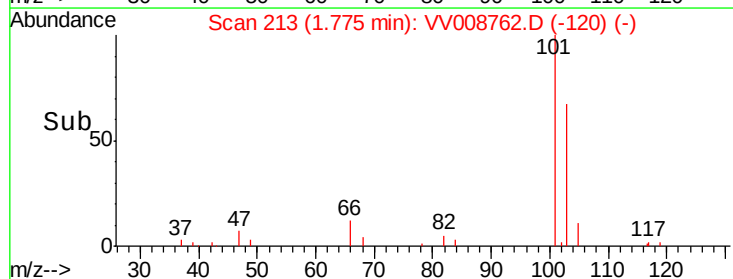
6000

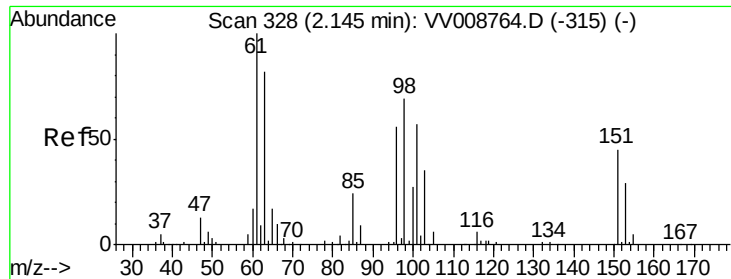
4000

2000

0

Time-->





#10

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

Concen: 0.521 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.563

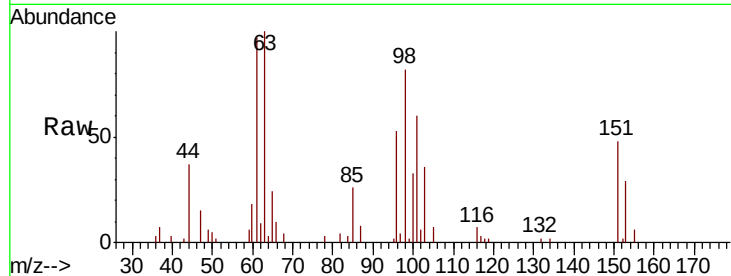
Tgt Ion:101 Resp: 5689

Ion Ratio Lower Upper

101 100

85 41.8 33.1 49.7

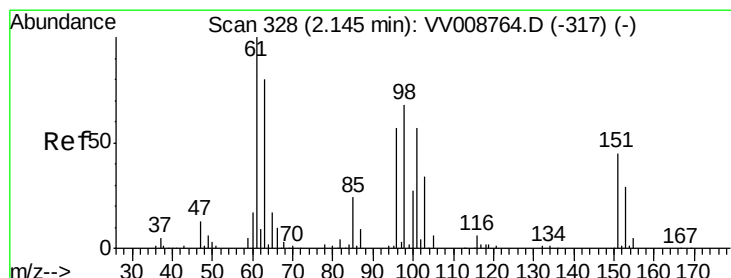
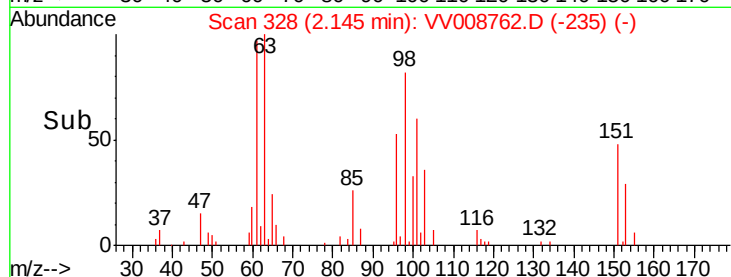
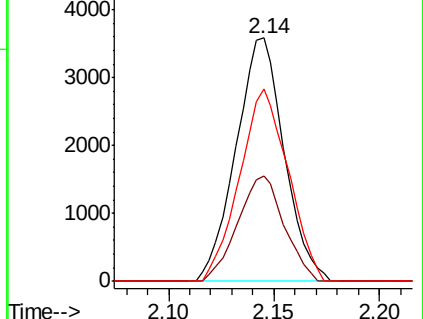
151 79.5 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV008762.D (-235) (-)

Ion 85.00 (84.70 to 85.70): VV008762.D (-235) (-)

Ion 151.00 (150.70 to 151.70): VV008762.D (-235) (-)



#12

1,1-Dichloroethene

Concen: 0.495 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

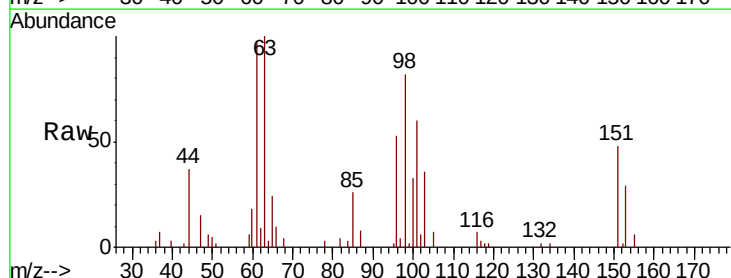
Tgt Ion: 96 Resp: 4817

Ion Ratio Lower Upper

96 100

61 181.9 124.3 230.8

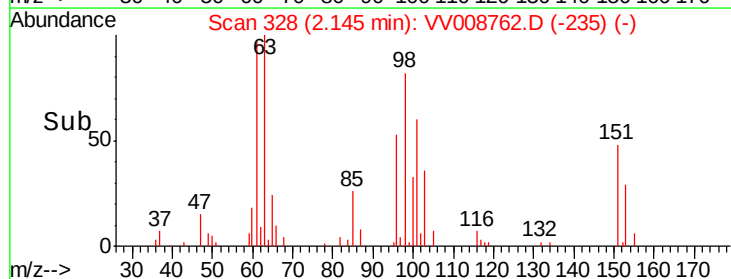
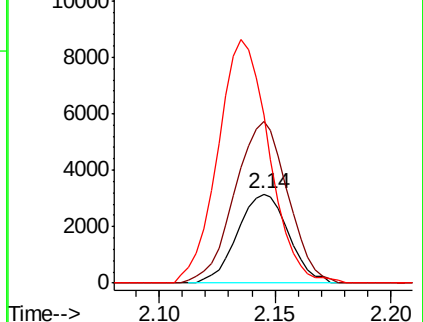
63 188.2 102.6 190.5

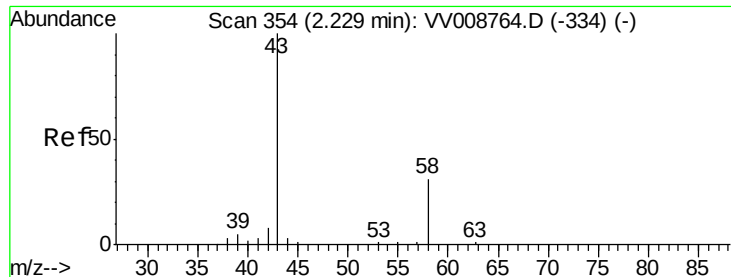


Abundance Ion 96.00 (95.70 to 96.70): VV008762.D (-235) (-)

Ion 61.05 (60.75 to 61.75): VV008762.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV008762.D (-235) (-)





#13

Acetone

Concen: 4.960 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.01 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

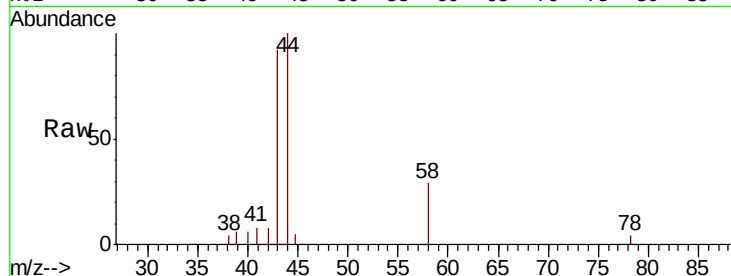
VSTD0.563

Tgt Ion: 43 Resp: 7529

Ion Ratio Lower Upper

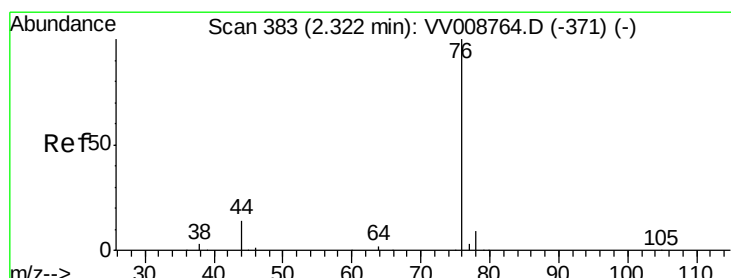
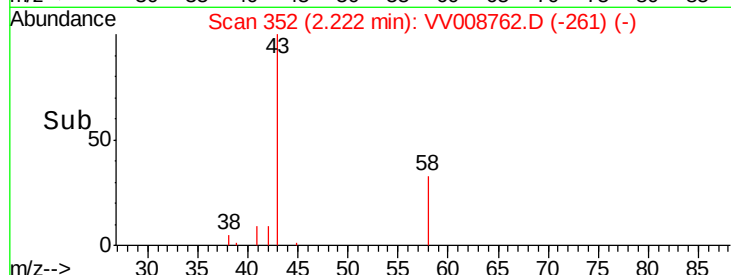
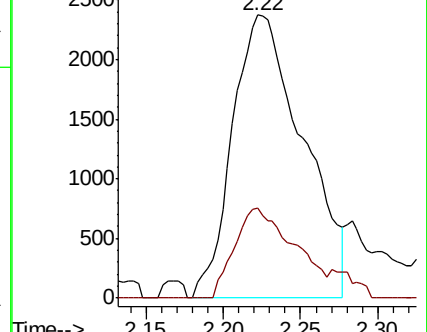
43 100

58 27.0 0.0 59.8



Abundance Ion 43.05 (42.75 to 43.75): VV008762.D (-261) (-)

Ion 58.05 (57.75 to 58.75): VV008762.D (-261) (-)



#14

Carbon disulfide

Concen: 0.462 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV008762.D

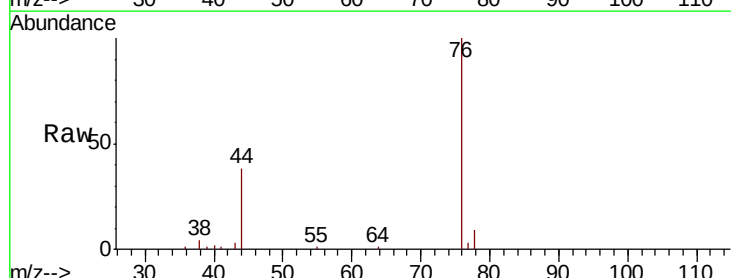
Acq: 29 Nov 2018 14:28

Tgt Ion: 76 Resp: 13567

Ion Ratio Lower Upper

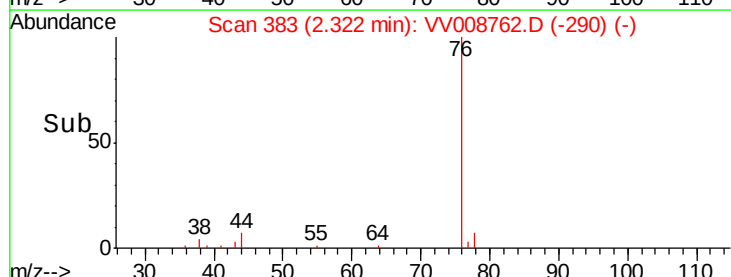
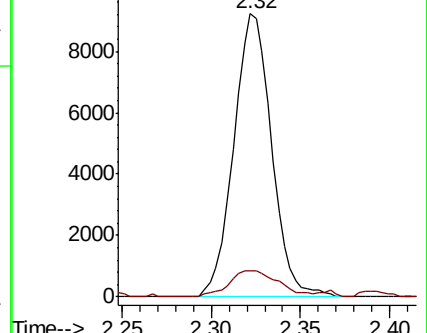
76 100

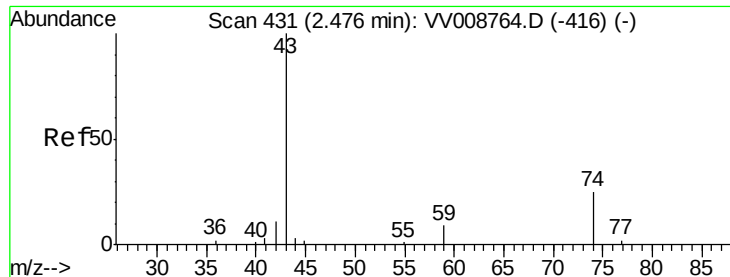
78 9.2 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV008762.D (-290) (-)

Ion 78.00 (77.70 to 78.70): VV008762.D (-290) (-)

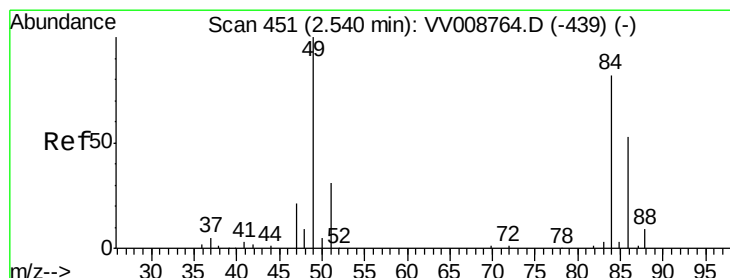
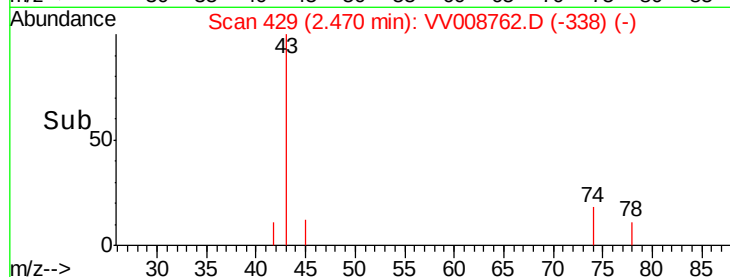
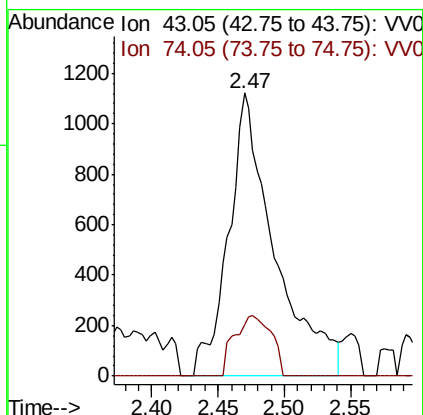
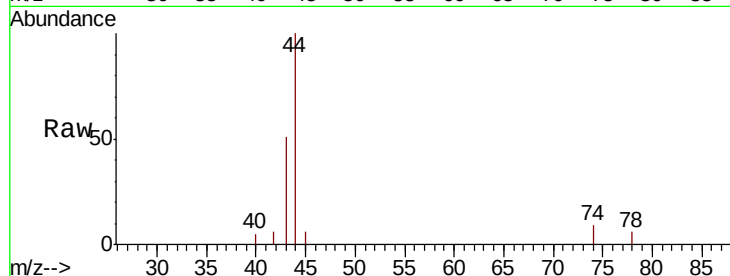




#15
Methyl Acetate
Concen: 0.690 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.01 min
Lab File: VV008762.D
Acq: 29 Nov 2018 14:28

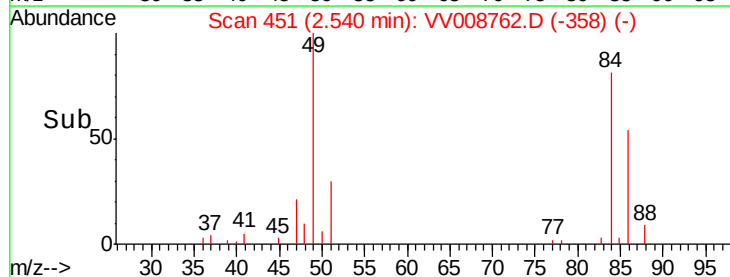
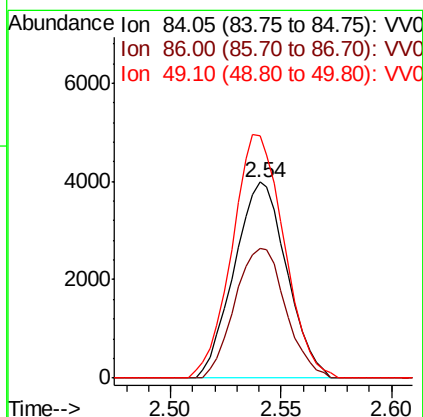
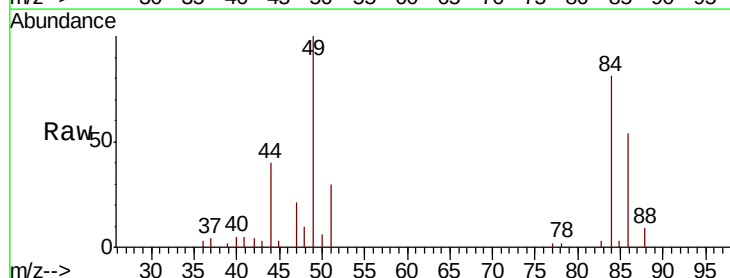
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.563

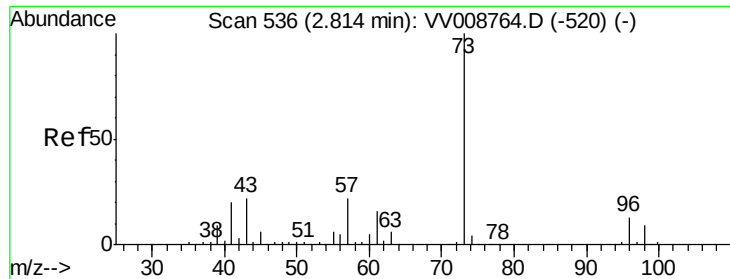
Tgt Ion: 43 Resp: 2715
Ion Ratio Lower Upper
43 100
74 16.9 20.0 30.0#



#16
Methylene chloride
Concen: 0.612 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV008762.D
Acq: 29 Nov 2018 14:28

Tgt Ion: 84 Resp: 6592
Ion Ratio Lower Upper
84 100
86 66.3 45.8 85.2
49 123.7 85.9 159.5

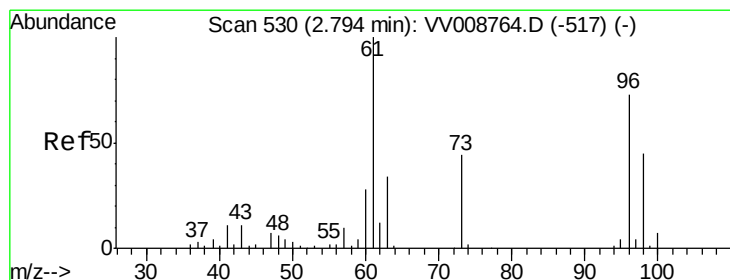
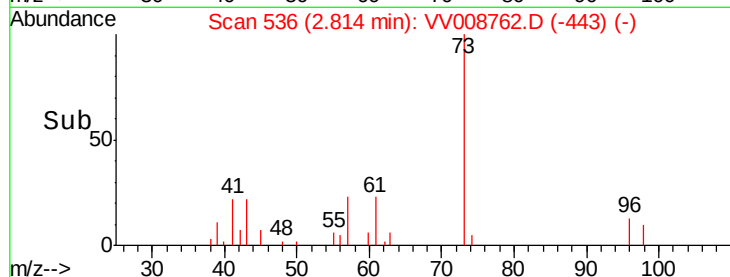
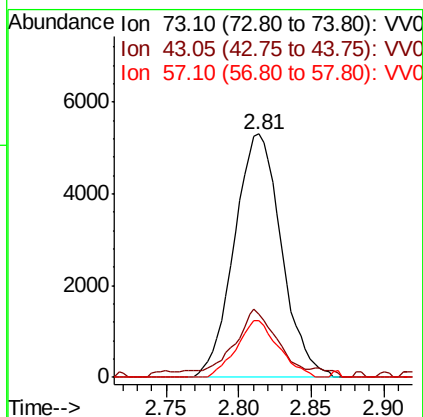
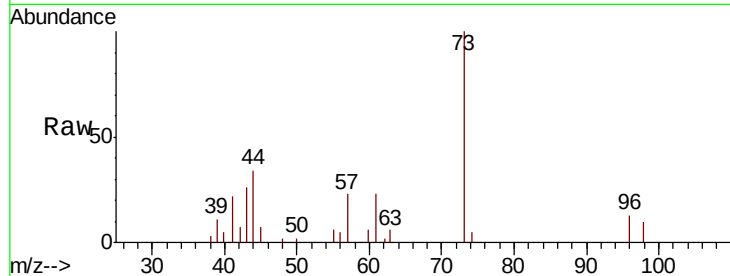




#17
Methyl tert-butyl Ether
Concen: 0.520 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008762.D
Acq: 29 Nov 2018 14:28

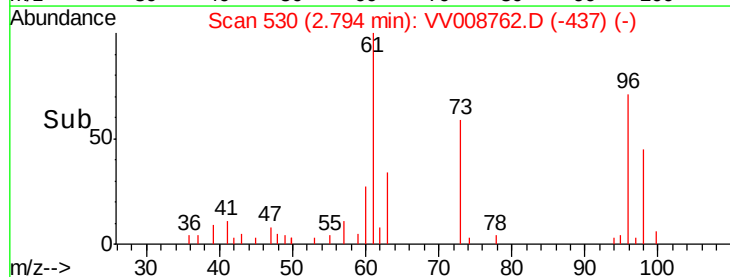
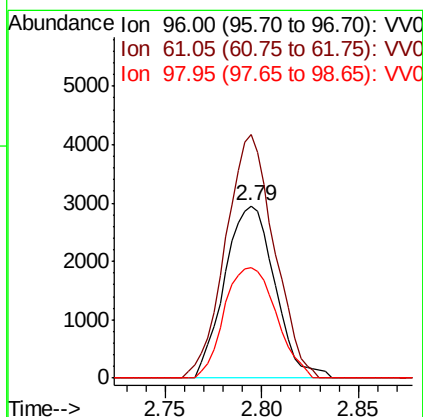
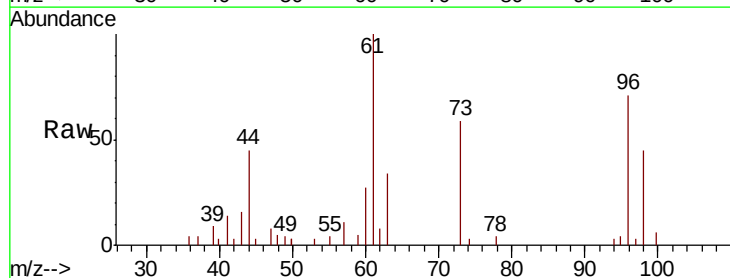
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.563

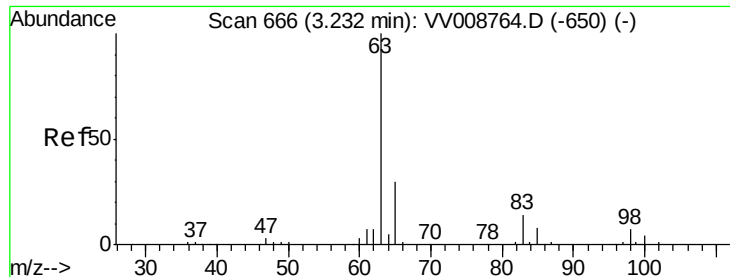
Tgt Ion: 73 Resp: 12012
Ion Ratio Lower Upper
73 100
43 21.9 18.0 27.0
57 20.8 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 0.509 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008762.D
Acq: 29 Nov 2018 14:28

Tgt Ion: 96 Resp: 5315
Ion Ratio Lower Upper
96 100
61 141.3 95.8 177.8
98 64.2 43.3 80.3

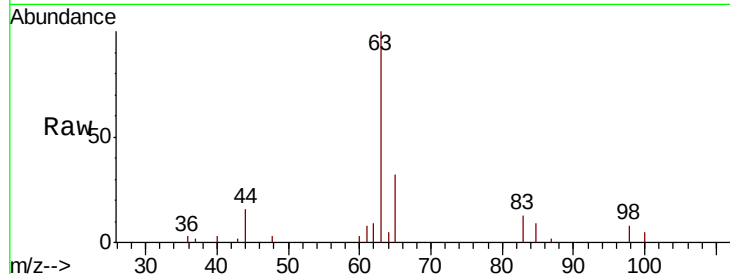




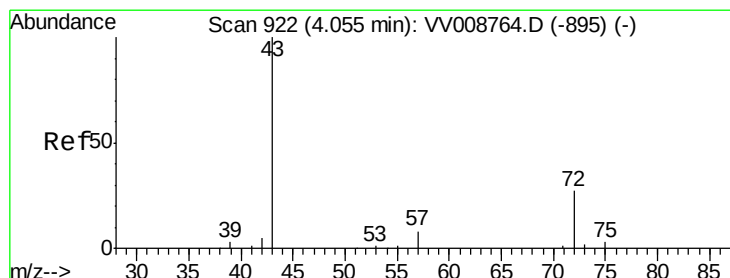
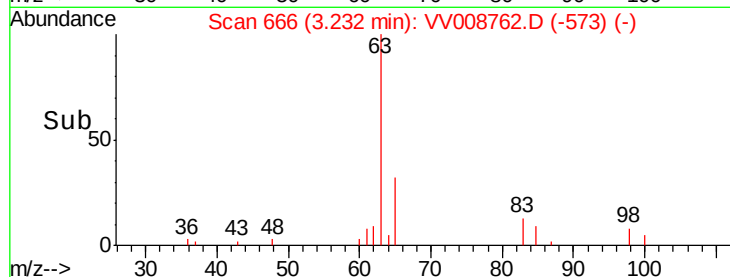
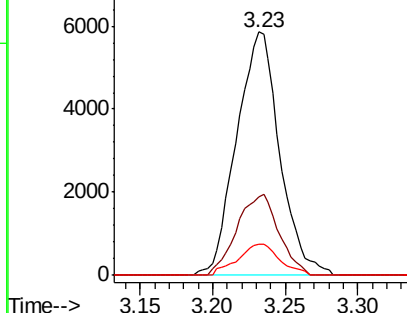
#19
 1,1-Dichloroethane
 Concen: 0.510 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.563

Tgt Ion: 63 Resp: 12079
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.3 39.6
 83 12.8 9.9 18.5

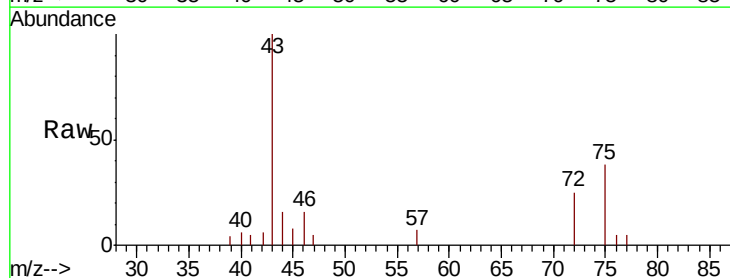


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

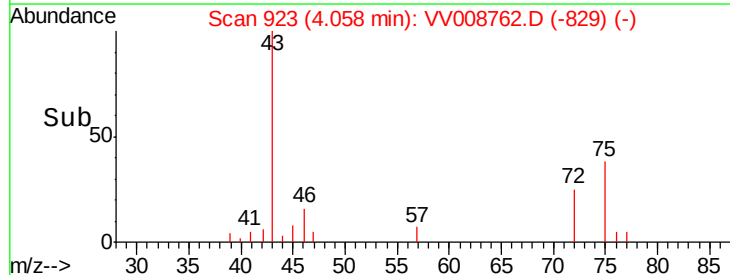
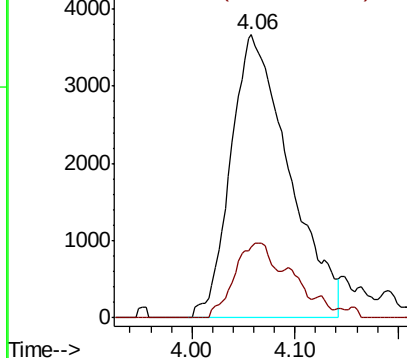


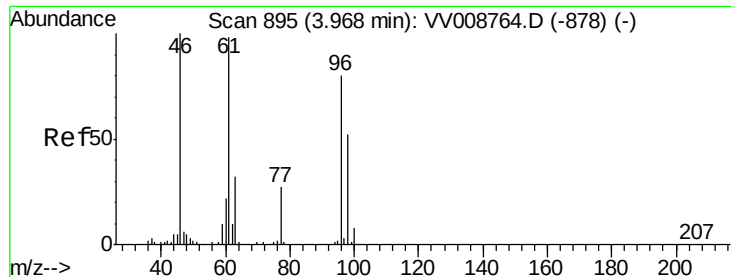
#21
 2-Butanone
 Concen: 4.692 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Tgt Ion: 43 Resp: 14449
 Ion Ratio Lower Upper
 43 100
 72 18.3 13.6 40.8



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



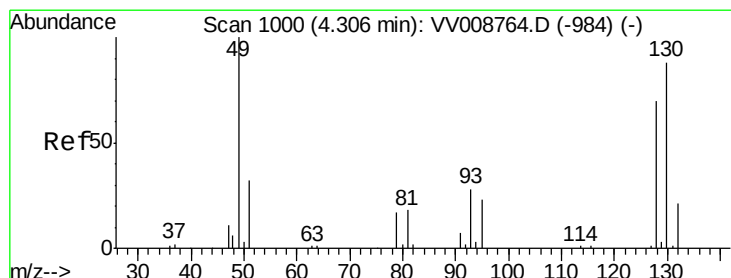
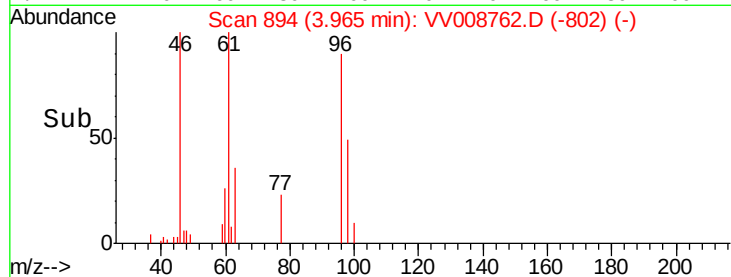
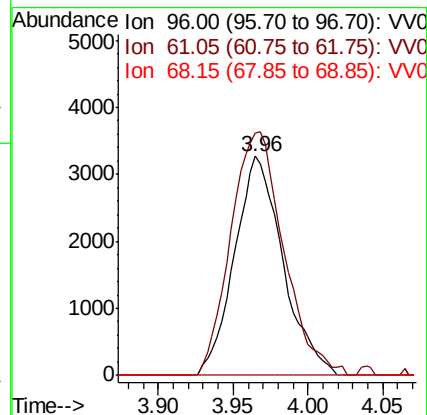
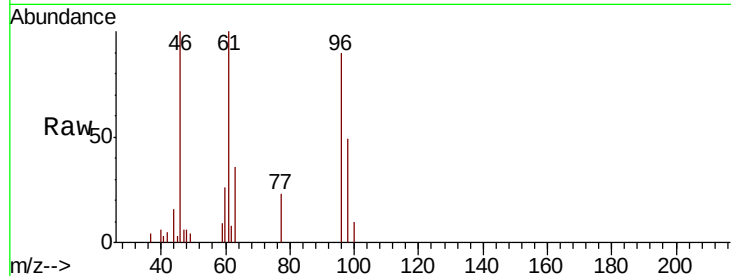


#22

cis-1,2-Dichloroethene
 Concen: 0.505 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.563

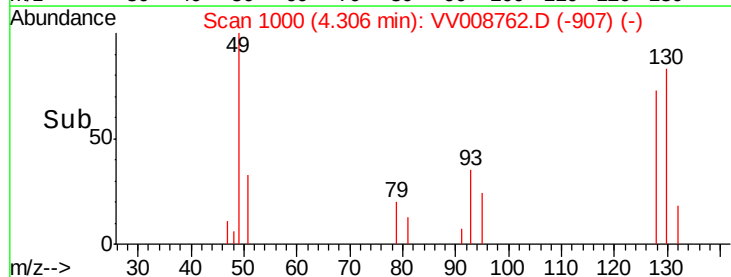
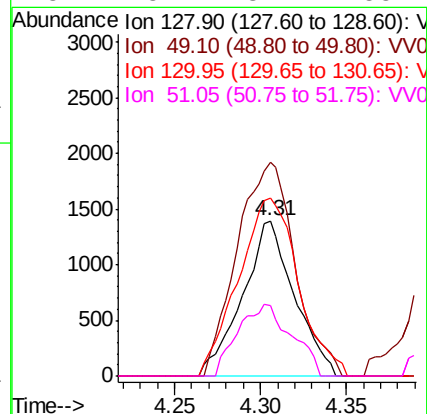
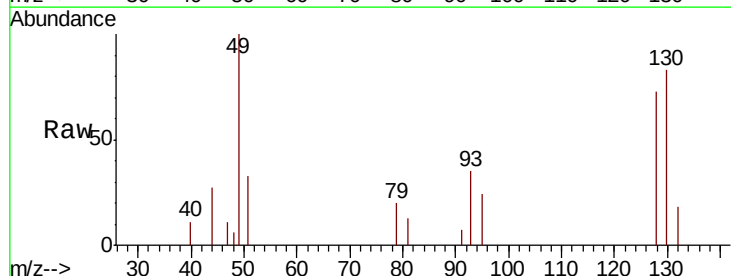
Tgt Ion: 96 Resp: 7360
 Ion Ratio Lower Upper
 96 100
 61 110.8 85.9 159.5
 68 0.0 0.0 0.0

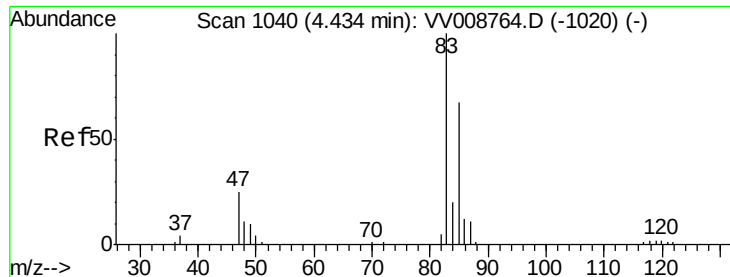


#23

Bromochloromethane
 Concen: 0.483 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Tgt Ion: 128 Resp: 2906
 Ion Ratio Lower Upper
 128 100
 49 137.5 100.4 186.4
 130 114.3 88.5 164.4
 51 45.2 37.1 55.7

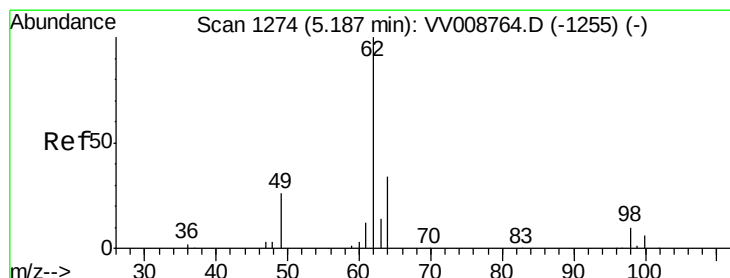
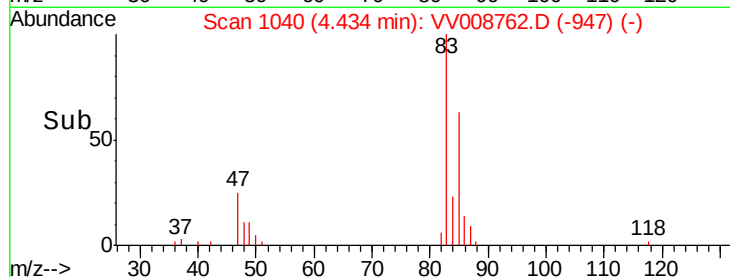
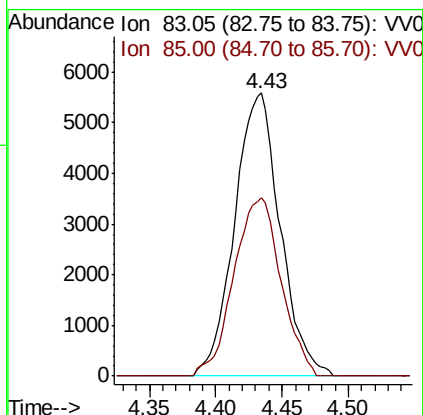
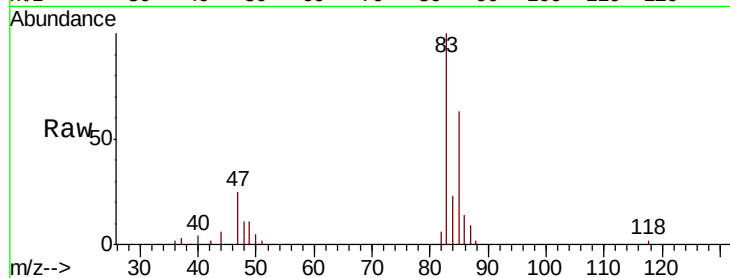




#25
Chloroform
Concen: 0.531 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV008762.D
Acq: 29 Nov 2018 14:28

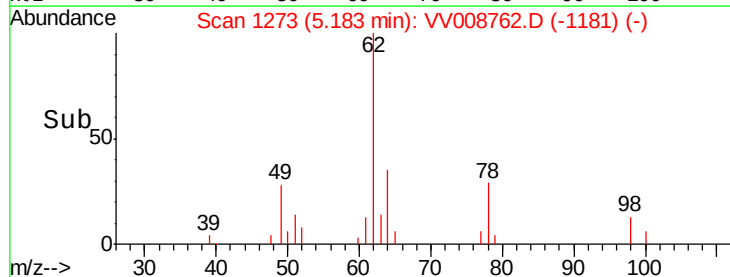
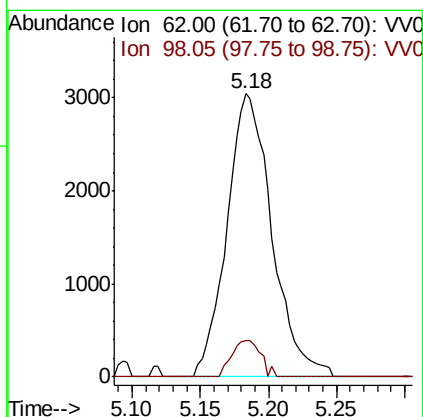
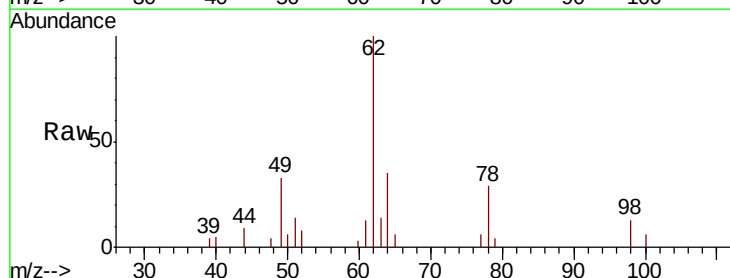
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.563

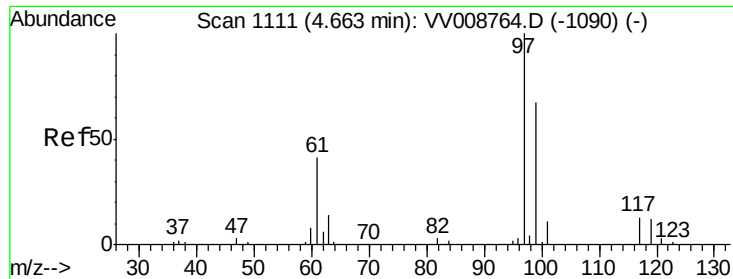
Tgt Ion: 83 Resp: 13371
Ion Ratio Lower Upper
83 100
85 63.1 47.0 87.4



#27
1,2-Dichloroethane
Concen: 0.488 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV008762.D
Acq: 29 Nov 2018 14:28

Tgt Ion: 62 Resp: 6979
Ion Ratio Lower Upper
62 100
98 12.9 7.7 11.5#

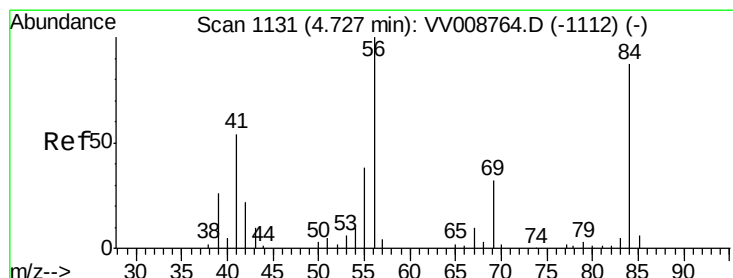
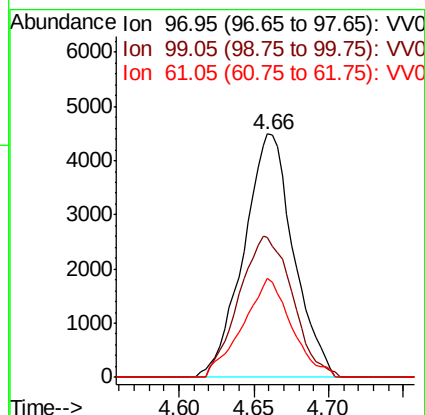
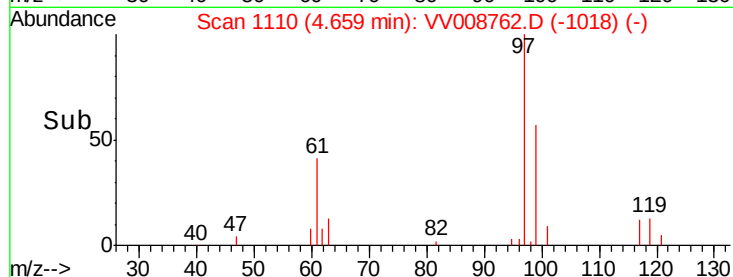
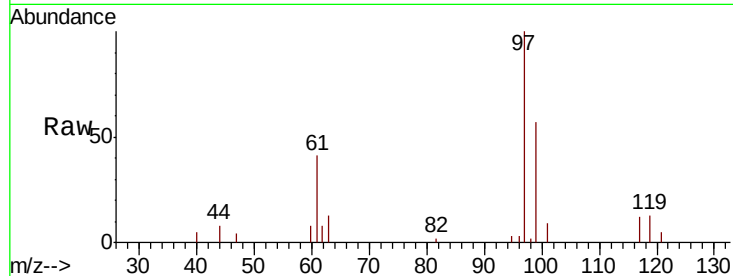




#29
 1,1,1-Trichloroethane
 Concen: 0.495 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

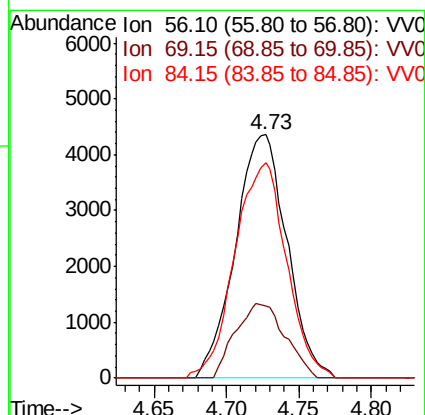
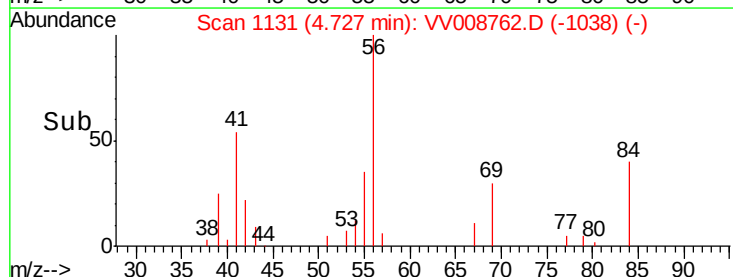
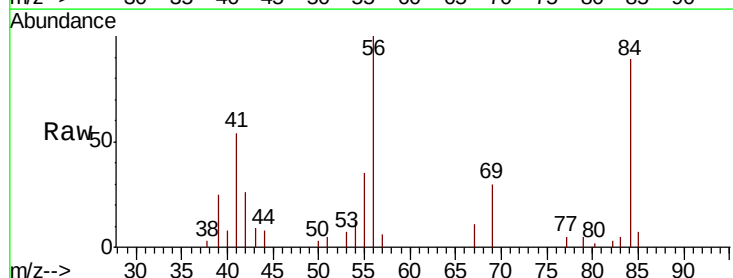
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.563

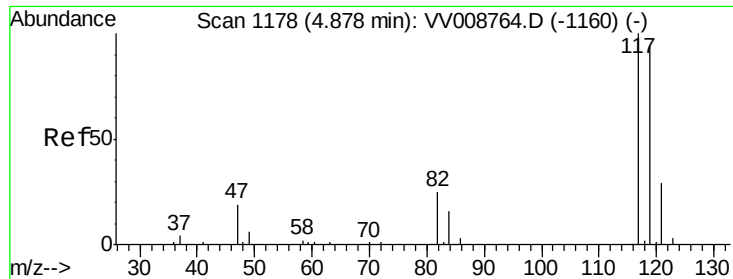
Tgt Ion: 97 Resp: 10395
 Ion Ratio Lower Upper
 97 100
 99 62.2 52.1 78.1
 61 39.7 33.9 50.9



#30
 Cyclohexane
 Concen: 0.483 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Tgt Ion: 56 Resp: 10783
 Ion Ratio Lower Upper
 56 100
 69 29.4 25.1 37.7
 84 88.8 70.8 106.2





#31

Carbon tetrachloride

Concen: 0.497 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

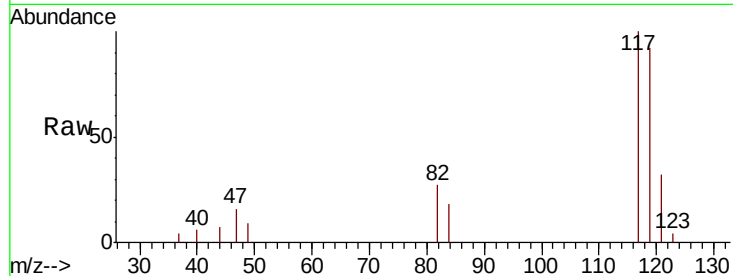
VSTD0.563

Tgt Ion:117 Resp: 8806

Ion Ratio Lower Upper

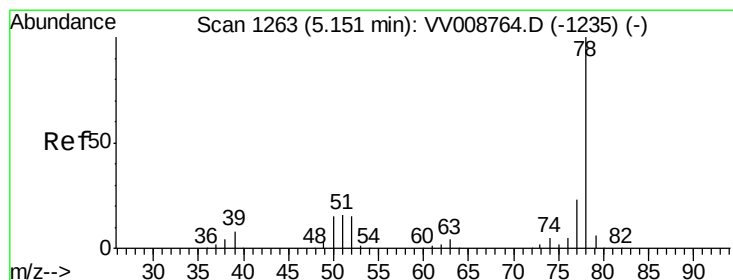
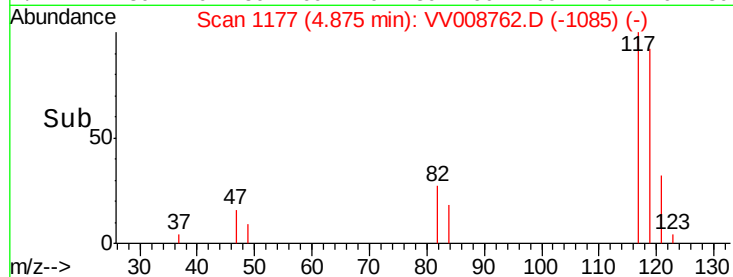
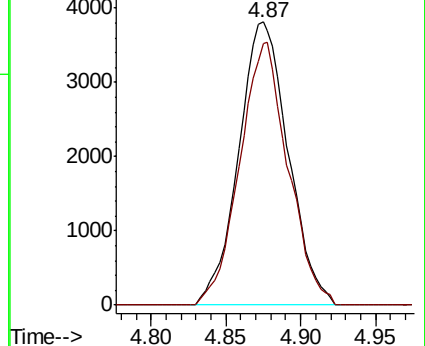
117 100

119 90.0 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.478 ug/L

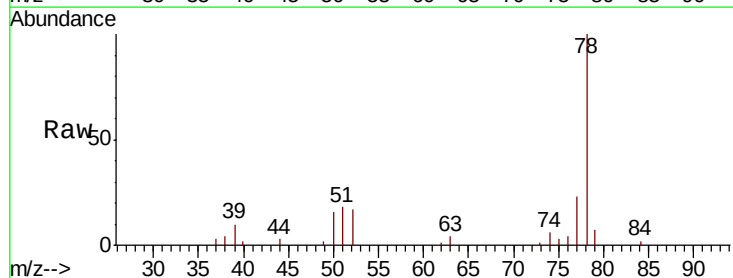
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

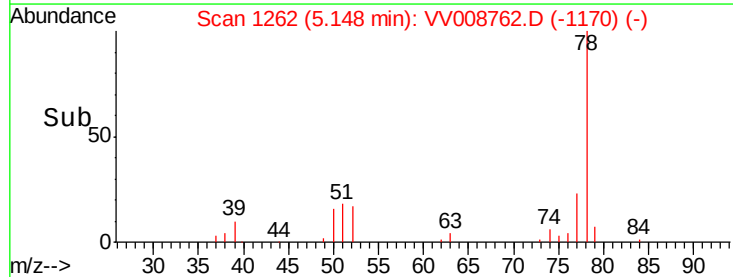
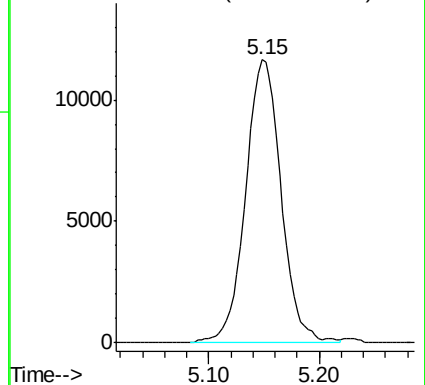
Lab File: VV008762.D

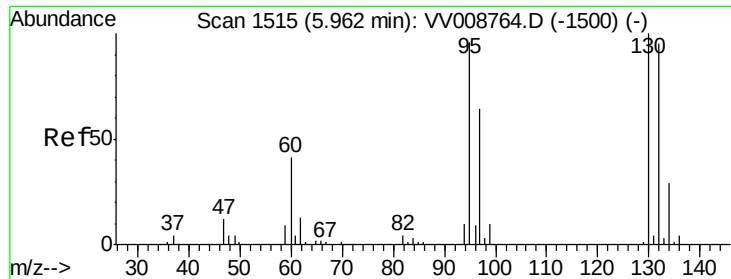
Acq: 29 Nov 2018 14:28

Tgt Ion: 78 Resp: 26064



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.505 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.563

Tgt Ion: 95 Resp: 7563

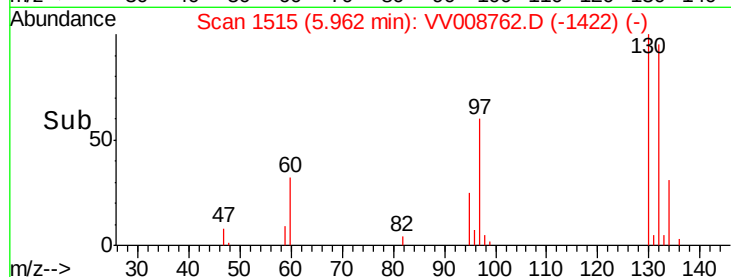
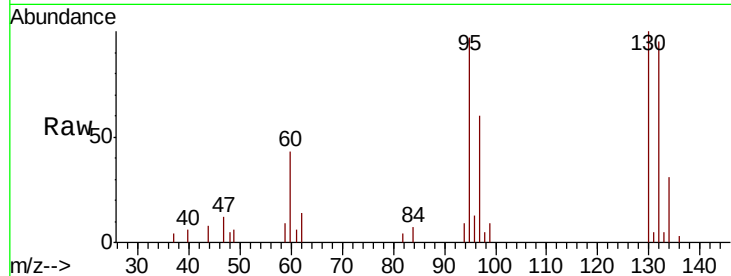
Ion Ratio Lower Upper

95 100

97 61.6 46.5 86.3

132 98.2 69.4 128.8

130 103.2 73.1 135.8



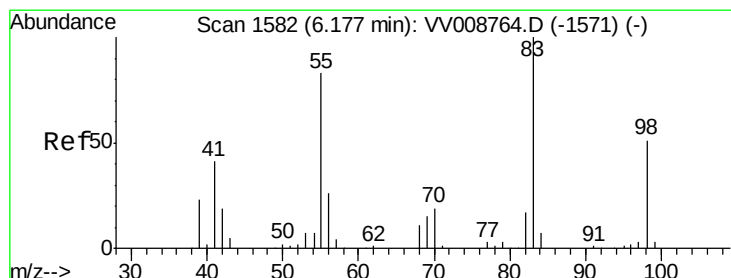
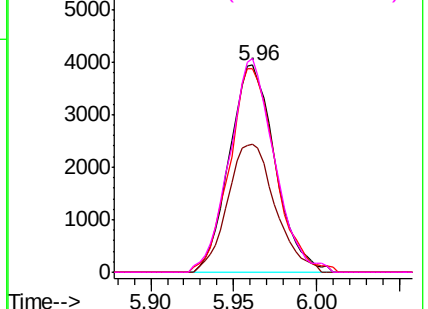
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.476 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

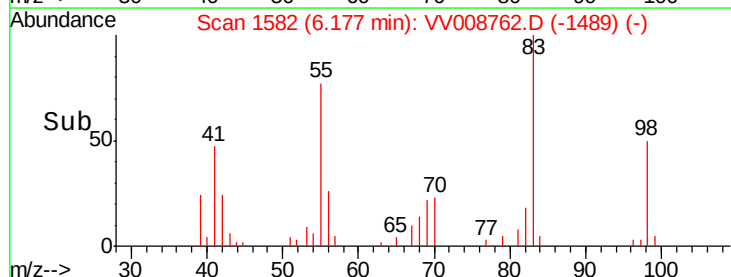
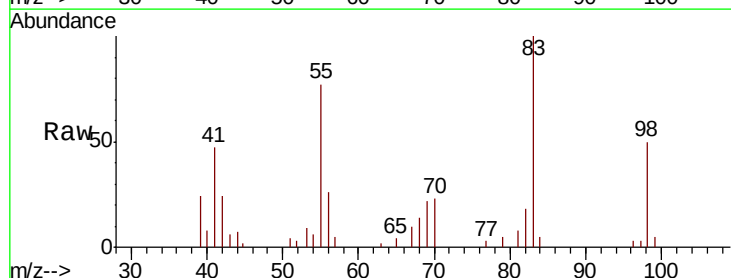
Tgt Ion: 83 Resp: 11363

Ion Ratio Lower Upper

83 100

55 78.7 60.1 90.1

98 47.1 37.4 56.2

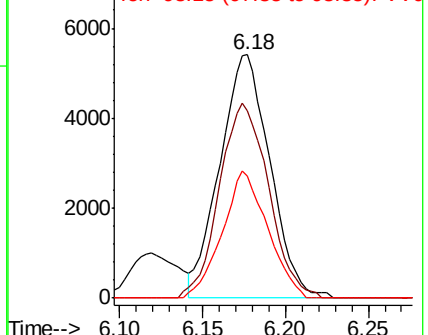


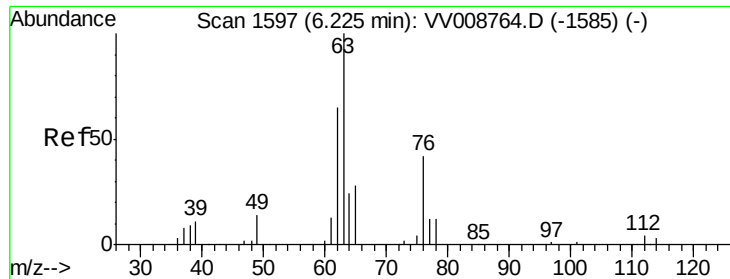
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

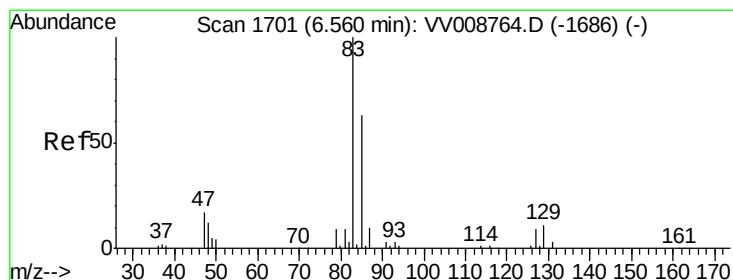
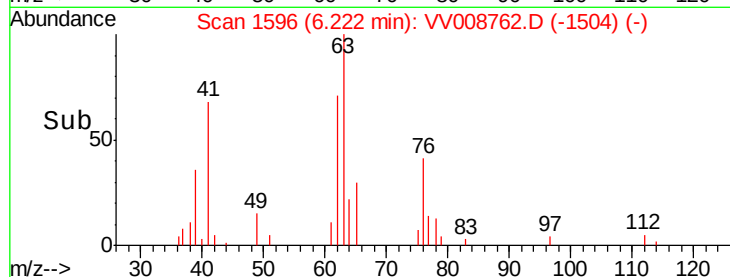
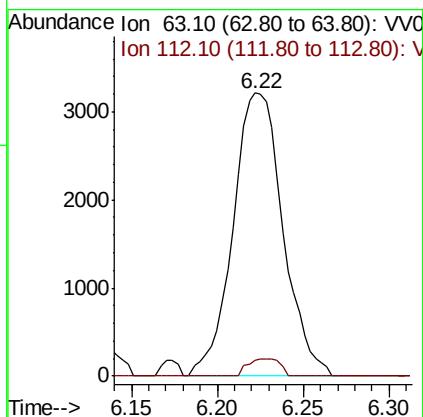
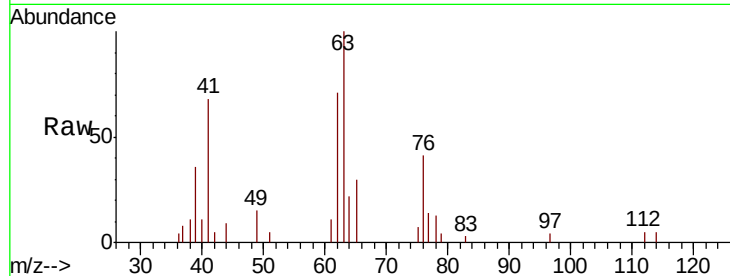




#37
 1,2-Dichloropropane
 Concen: 0.481 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

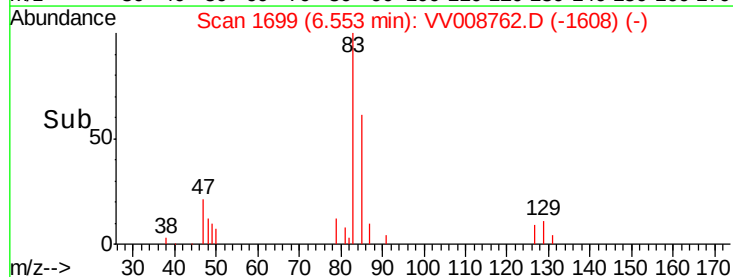
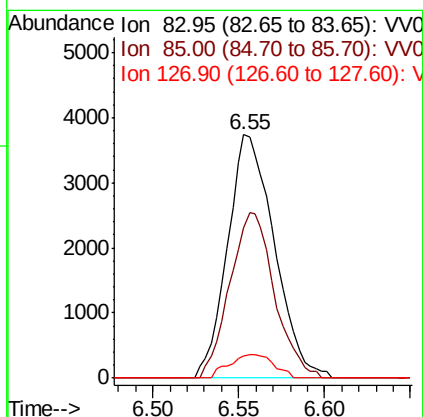
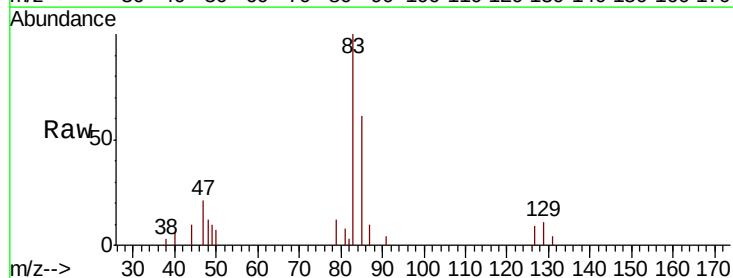
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.563

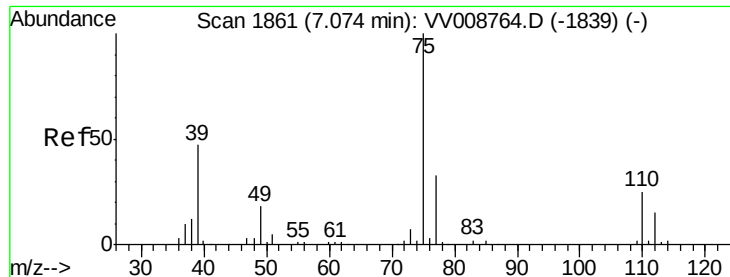
Tgt Ion: 63 Resp: 6491
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.5 5.3



#38
 Bromodichloromethane
 Concen: 0.458 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Tgt Ion: 83 Resp: 7059
 Ion Ratio Lower Upper
 83 100
 85 61.5 44.4 82.4
 127 9.3 6.9 10.3

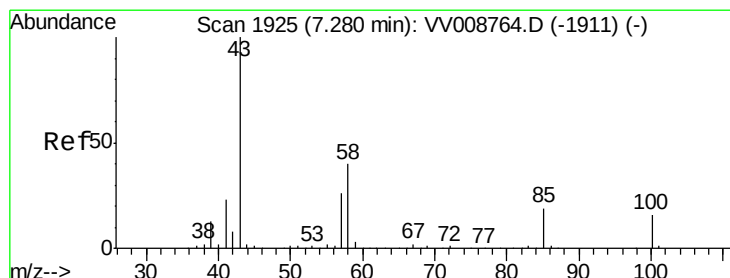
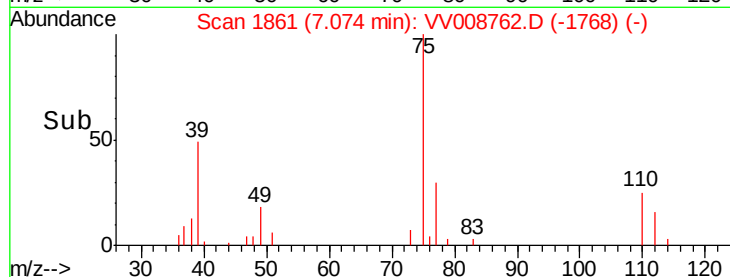
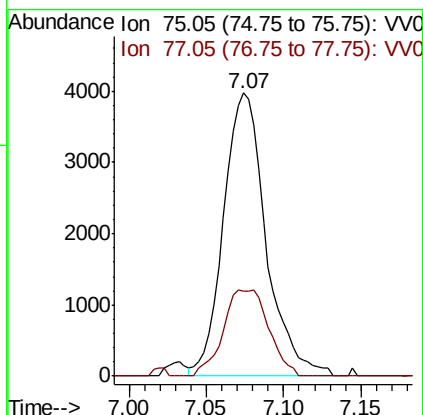
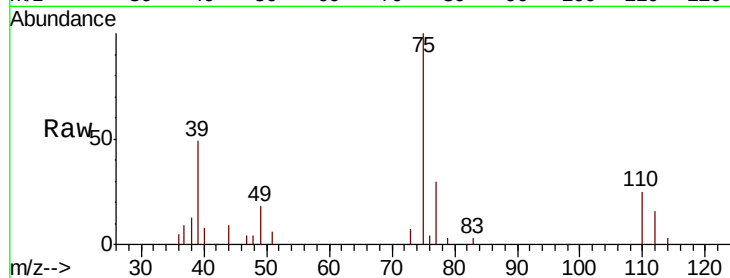




#39
 cis-1,3-Dichloropropene
 Concen: 0.421 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

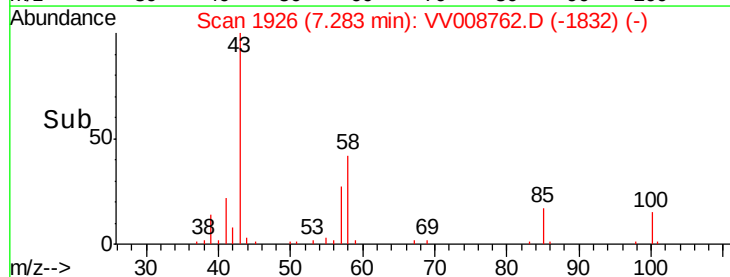
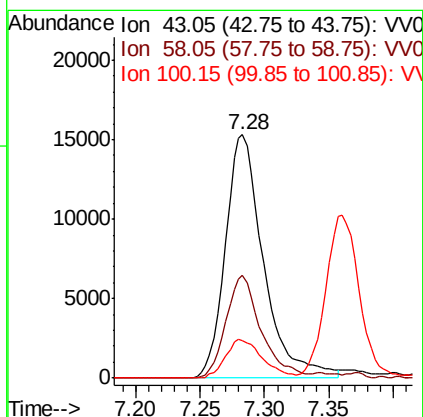
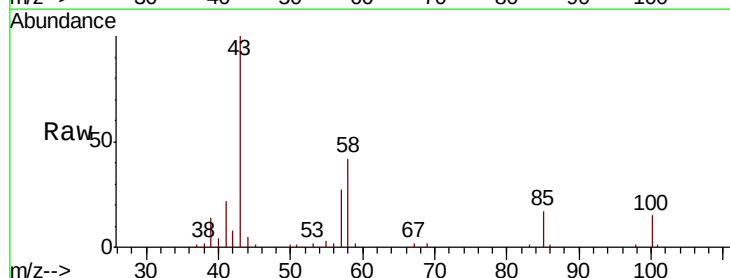
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.563

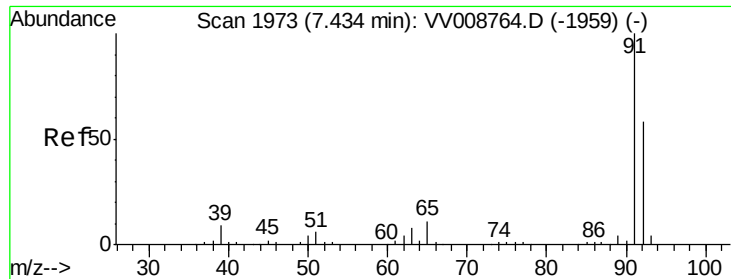
Tgt Ion: 75 Resp: 7576
 Ion Ratio Lower Upper
 75 100
 77 29.8 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 4.433 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Tgt Ion: 43 Resp: 31413
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.3 46.9
 100 15.5 12.6 19.0





#42

Toluene

Concen: 0.459 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

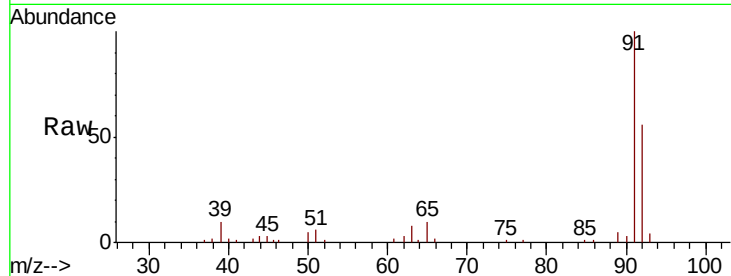
VSTD0.563

Tgt Ion: 91 Resp: 25918

Ion Ratio Lower Upper

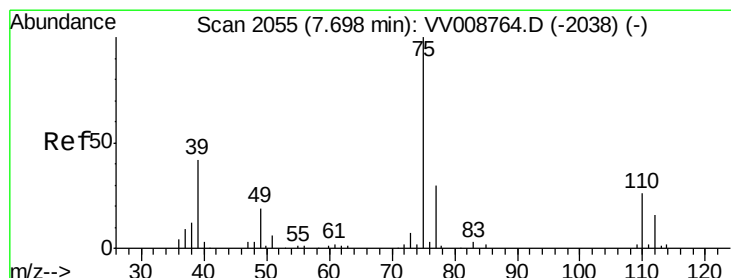
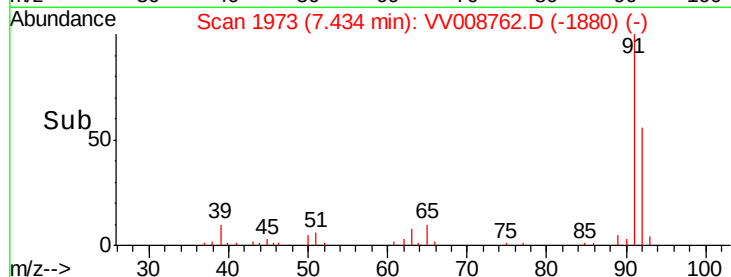
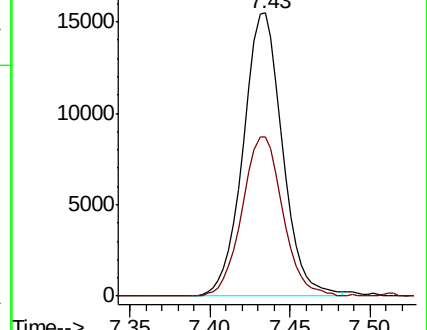
91 100

92 56.3 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VV008764.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008764.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.423 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008762.D

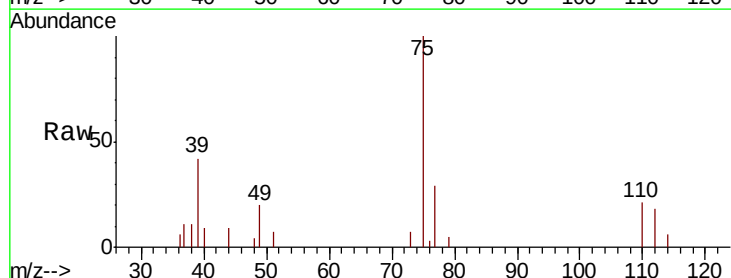
Acq: 29 Nov 2018 14:28

Tgt Ion: 75 Resp: 5952

Ion Ratio Lower Upper

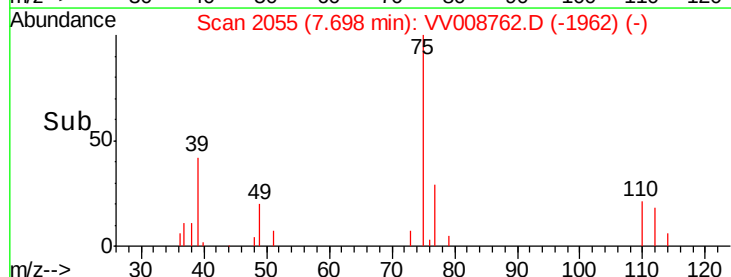
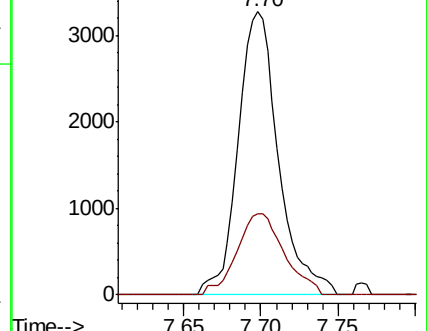
75 100

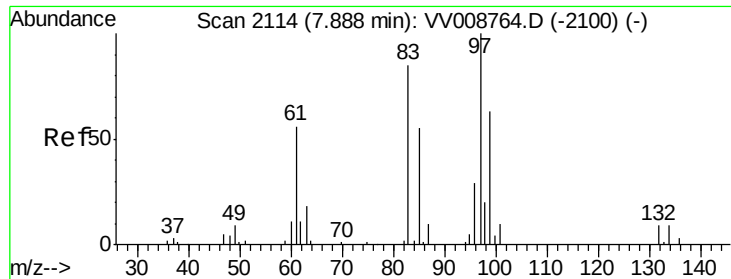
77 28.8 21.3 39.5



Abundance Ion 75.05 (74.75 to 75.75): VV008764.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008764.D (-2038) (-)

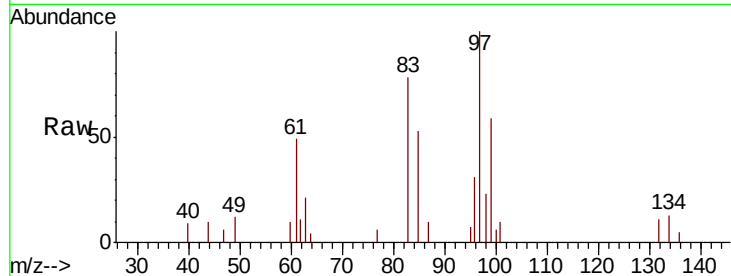




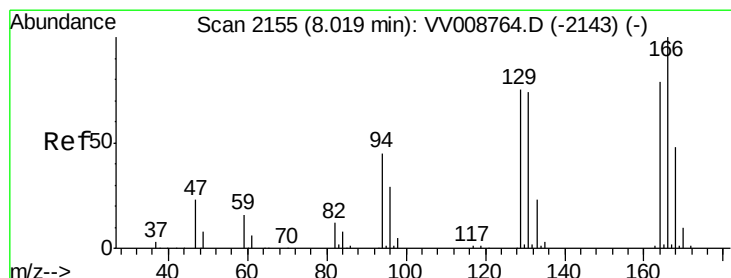
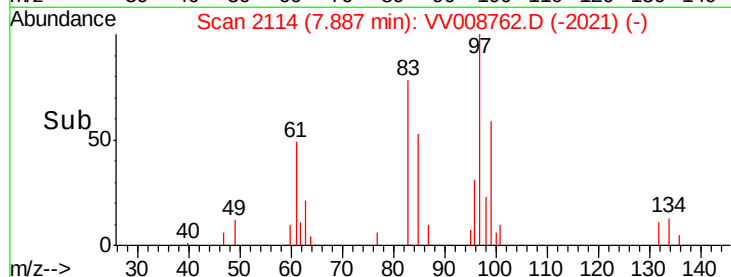
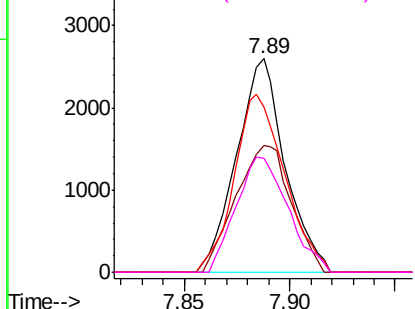
#45
 1,1,2-Trichloroethane
 Concen: 0.459 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.563

Tgt Ion:	97	Resp:	4158
Ion	Ratio	Lower	Upper
97	100		
99	59.2	44.2	82.2
83	77.5	59.6	110.6
85	53.3	38.8	72.0

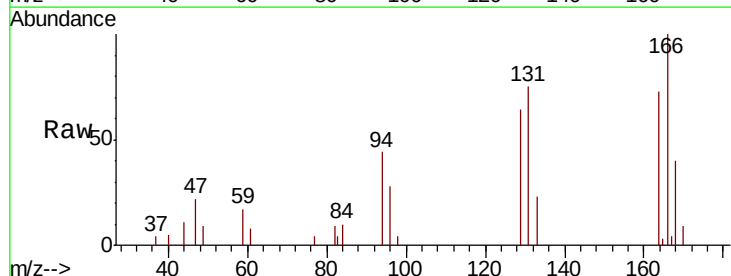


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

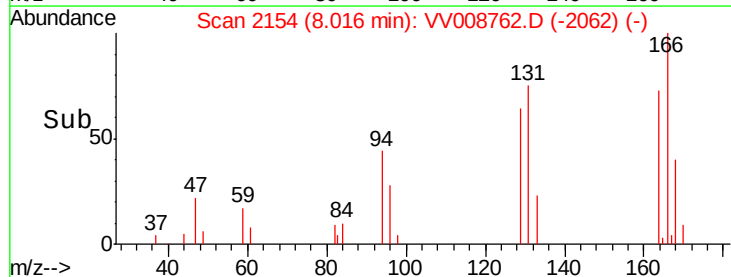
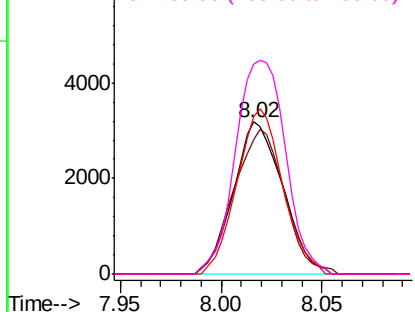


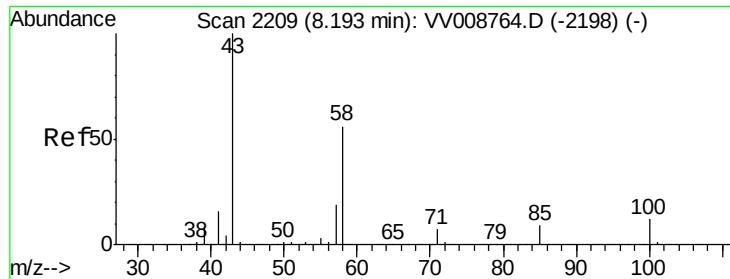
#47
 Tetrachloroethene
 Concen: 0.481 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Tgt Ion:	164	Resp:	5451
Ion	Ratio	Lower	Upper
164	100		
129	88.1	67.5	125.3
131	103.2	65.9	122.5
166	137.7	89.2	165.6



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

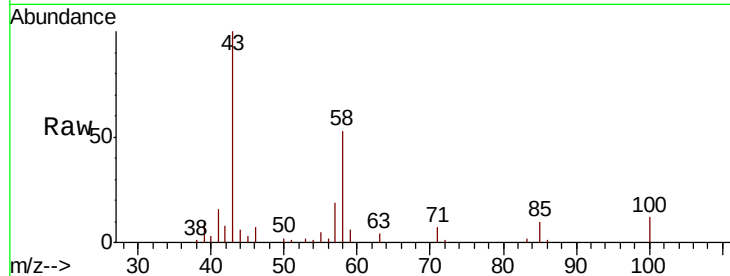




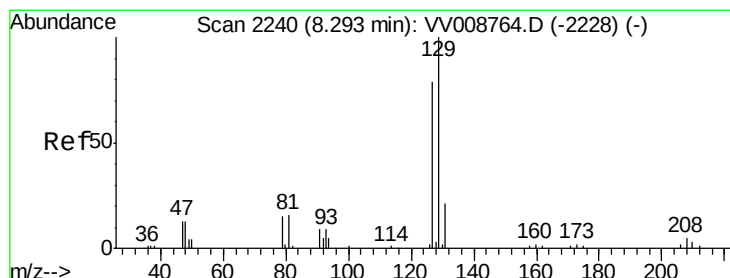
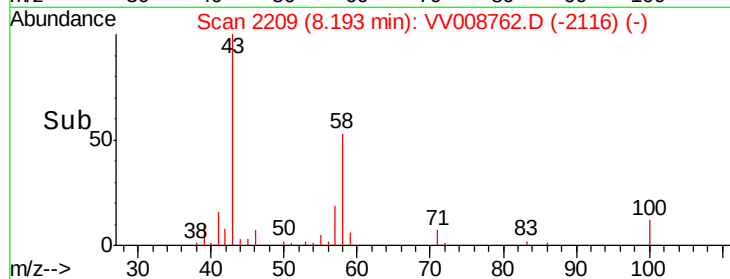
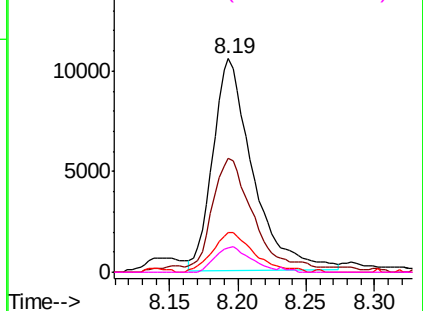
#48
2-Hexanone
Concen: 4.371 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV008762.D
Acq: 29 Nov 2018 14:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.563

Tgt Ion: 43 Resp: 21570
Ion Ratio Lower Upper
43 100
58 51.7 44.5 66.7
57 19.2 15.2 22.8
100 10.6 9.6 14.4

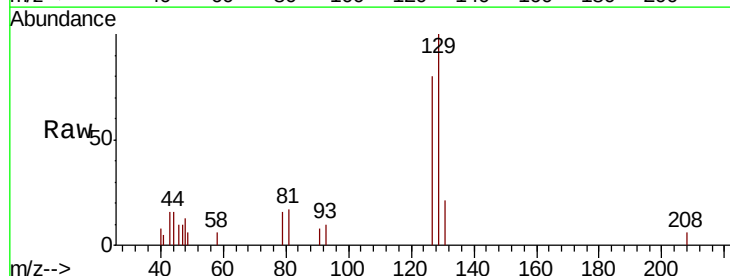


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

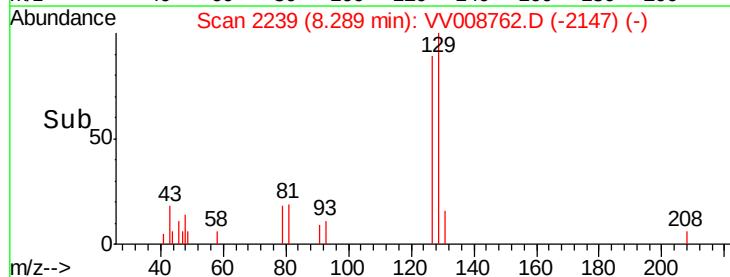
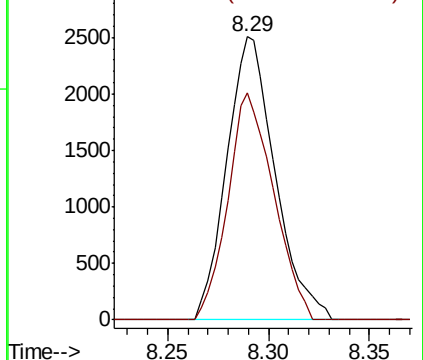


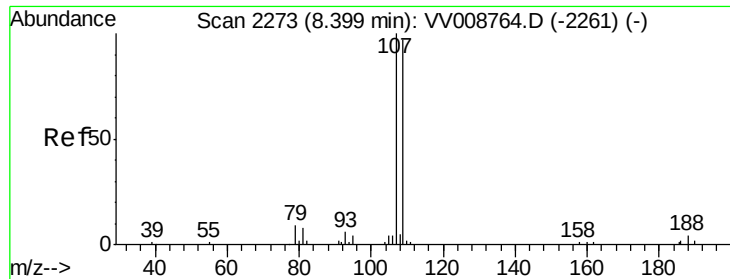
#49
Dibromochloromethane
Concen: 0.436 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV008762.D
Acq: 29 Nov 2018 14:28

Tgt Ion: 129 Resp: 4187
Ion Ratio Lower Upper
129 100
127 80.4 55.3 102.7



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

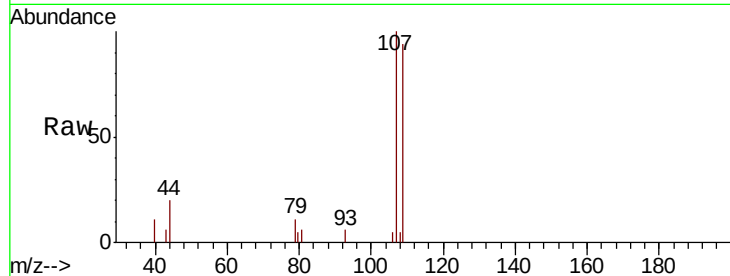




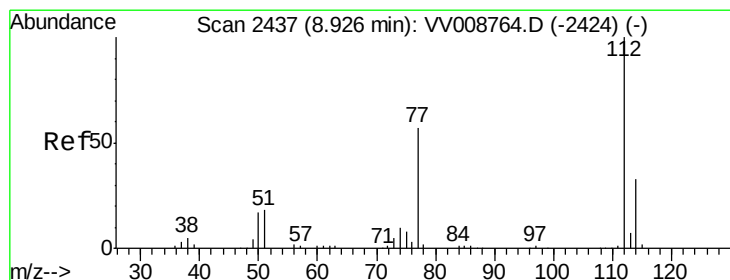
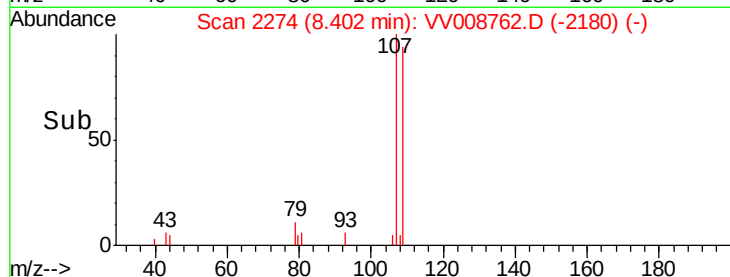
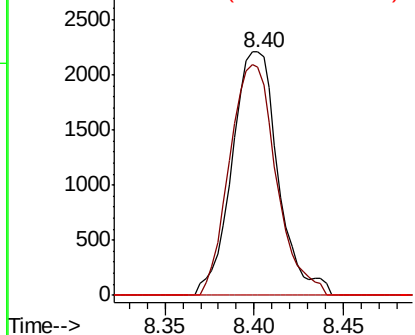
#50
1,2-Dibromoethane
Concen: 0.490 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008762.D
Acq: 29 Nov 2018 14:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.563

Tgt Ion:107 Resp: 3986
Ion Ratio Lower Upper
107 100
109 93.6 67.8 126.0
188 0.0 3.1 4.7#

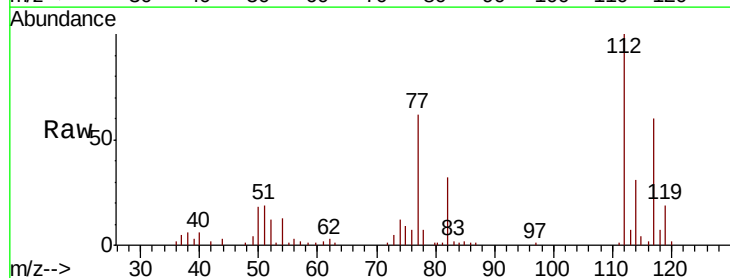


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

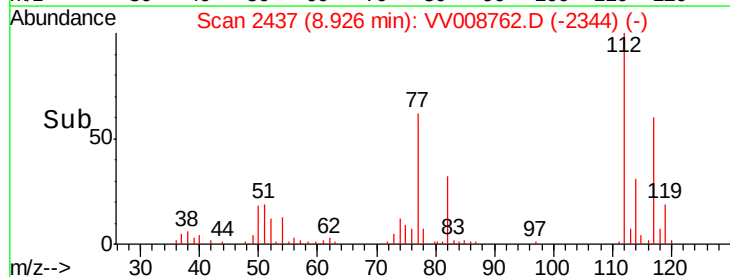
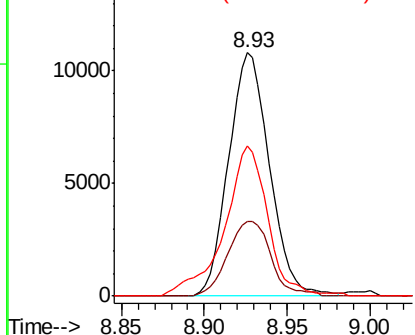


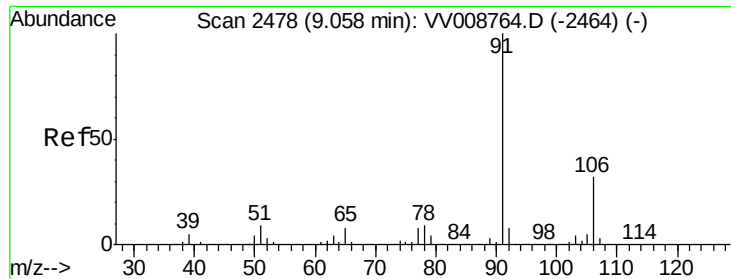
#51
Chlorobenzene
Concen: 0.455 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008762.D
Acq: 29 Nov 2018 14:28

Tgt Ion:112 Resp: 18551
Ion Ratio Lower Upper
112 100
114 30.8 22.8 42.4
77 61.6 46.2 69.4



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: 0.456 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

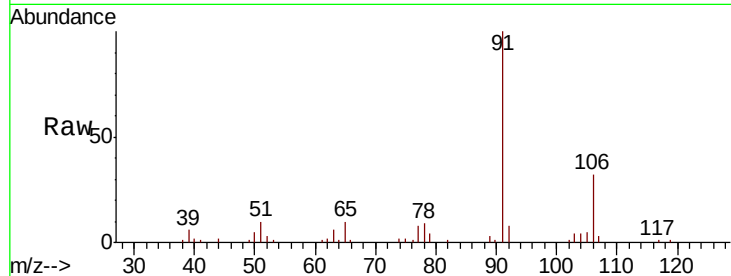
VSTD0.563

Tgt Ion: 91 Resp: 28003

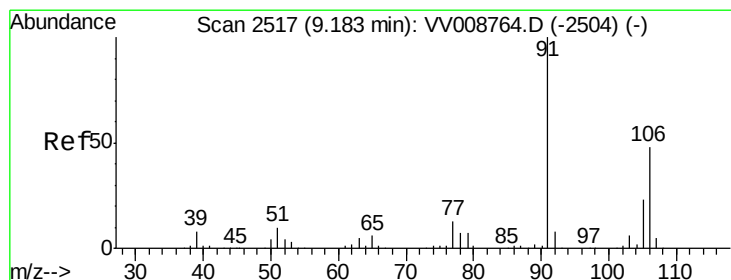
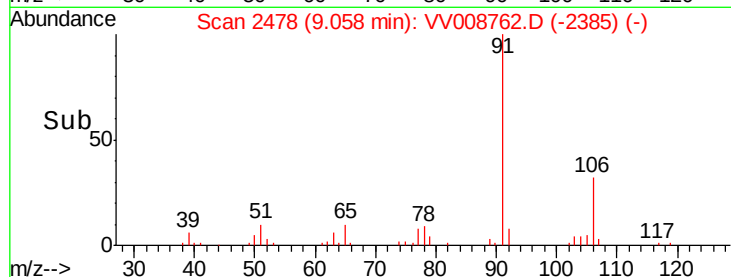
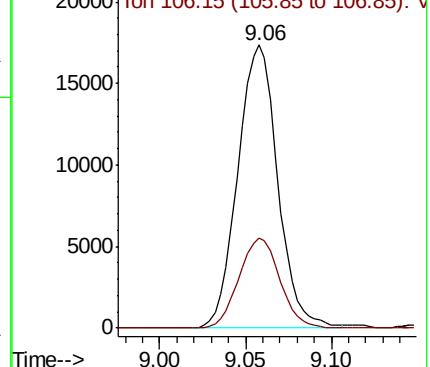
Ion Ratio Lower Upper

91 100

106 31.7 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV008762.D (-2464) (-)



#53

m,p-xylene

Concen: 0.437 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008762.D

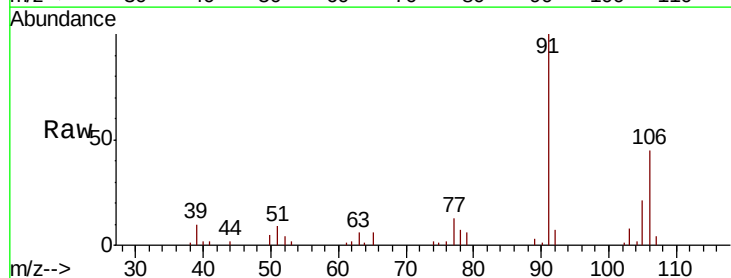
Acq: 29 Nov 2018 14:28

Tgt Ion: 106 Resp: 10051

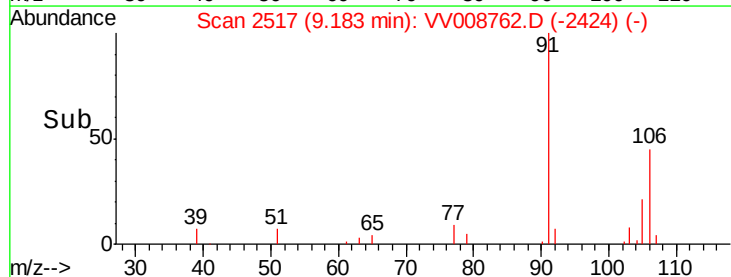
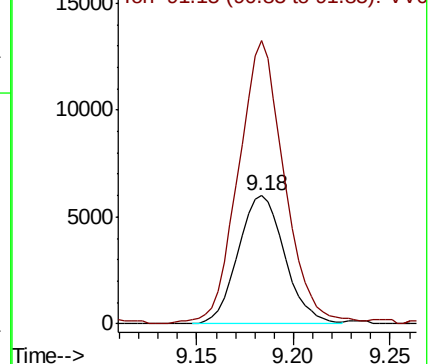
Ion Ratio Lower Upper

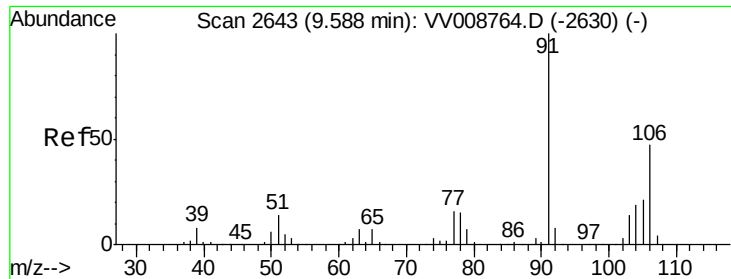
106 100

91 220.9 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV008762.D (-2504) (-)





#54

o-xylene

Concen: 0.423 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

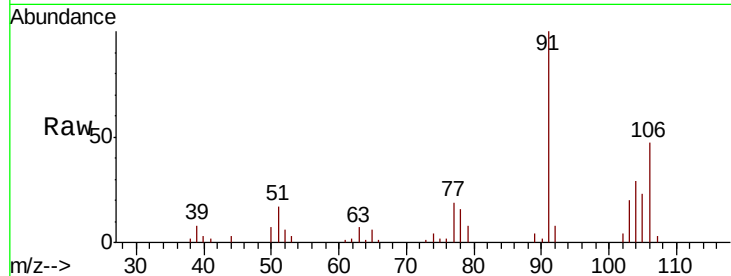
VSTD0.563

Tgt Ion:106 Resp: 9429

Ion Ratio Lower Upper

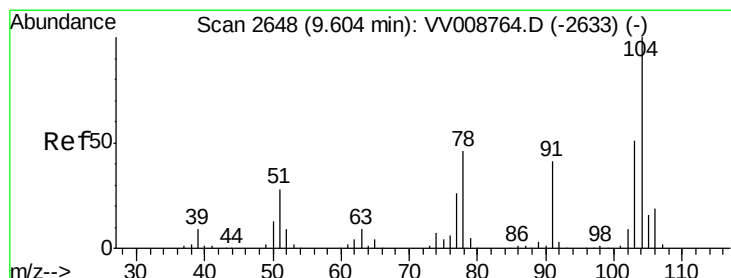
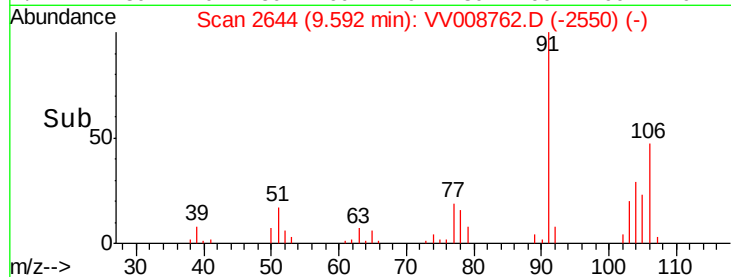
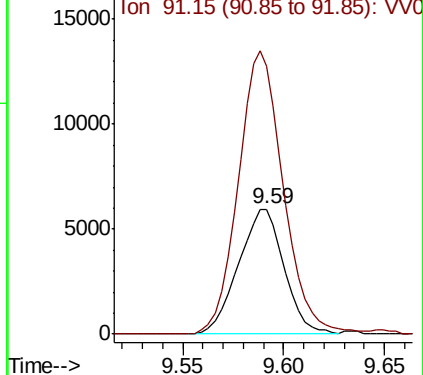
106 100

91 213.8 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.426 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008762.D

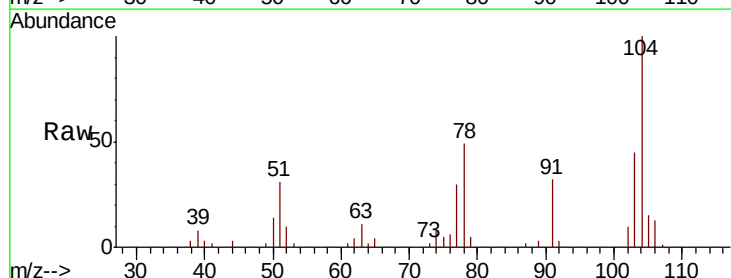
Acq: 29 Nov 2018 14:28

Tgt Ion:104 Resp: 15563

Ion Ratio Lower Upper

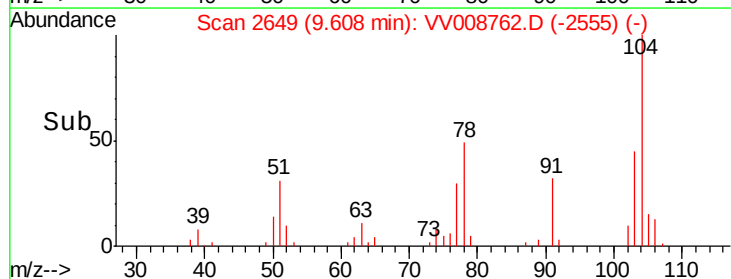
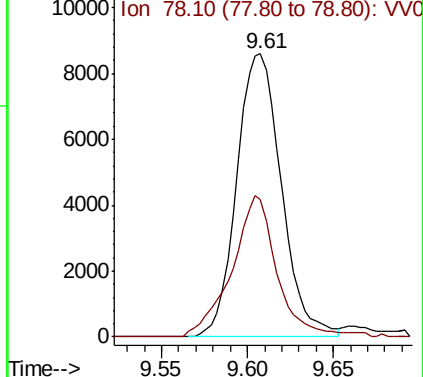
104 100

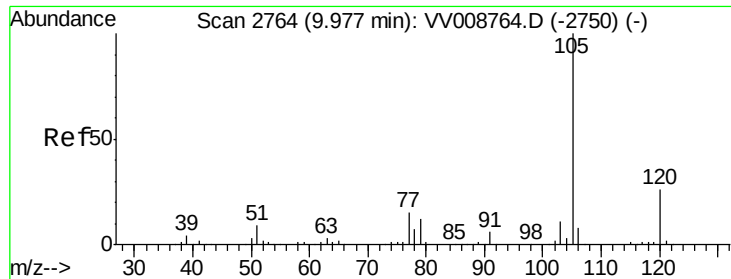
78 48.5 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.467 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.563

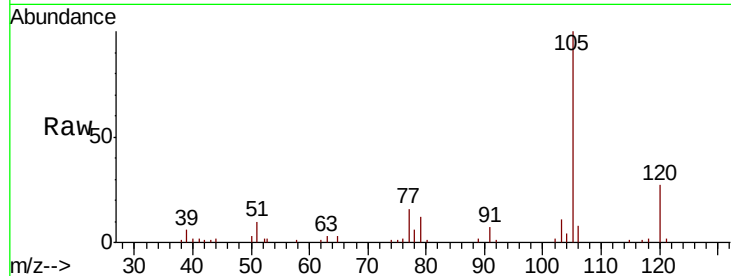
Tgt Ion: 105 Resp: 27697

Ion Ratio Lower Upper

105 100

120 25.5 21.5 32.3

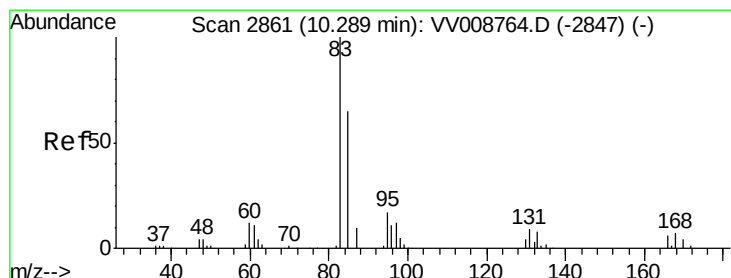
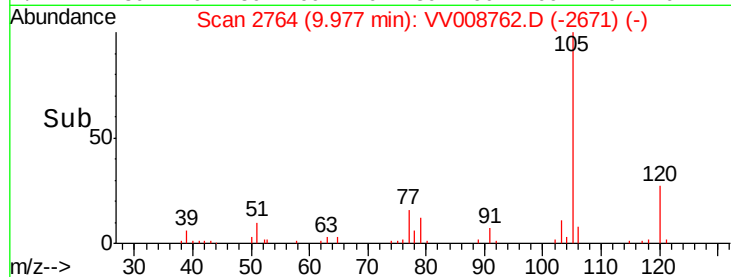
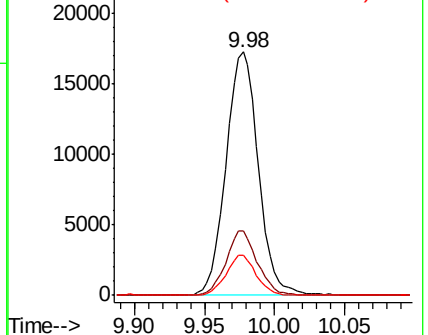
77 15.2 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.430 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

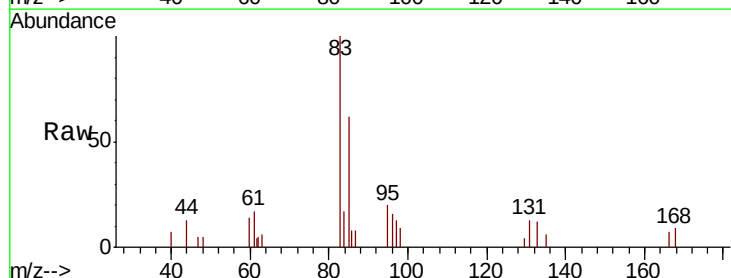
Tgt Ion: 83 Resp: 4152

Ion Ratio Lower Upper

83 100

85 62.2 45.6 84.8

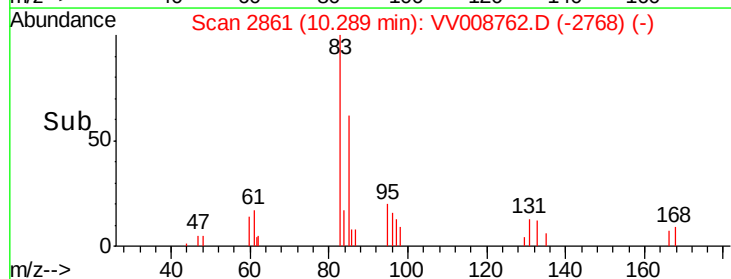
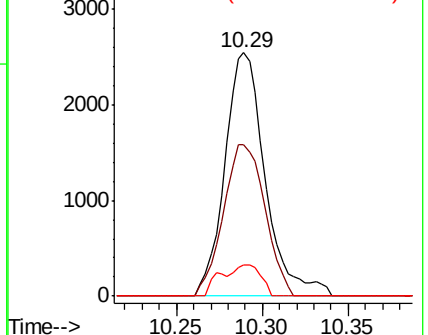
131 13.0 7.3 10.9#

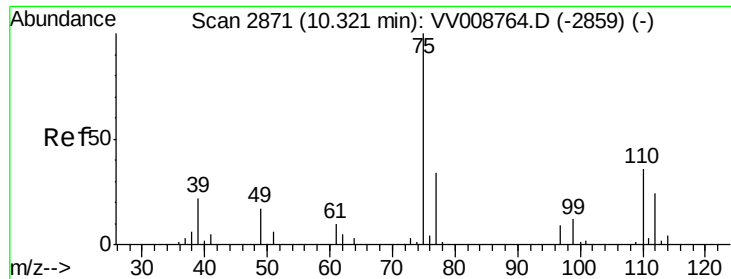


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.496 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

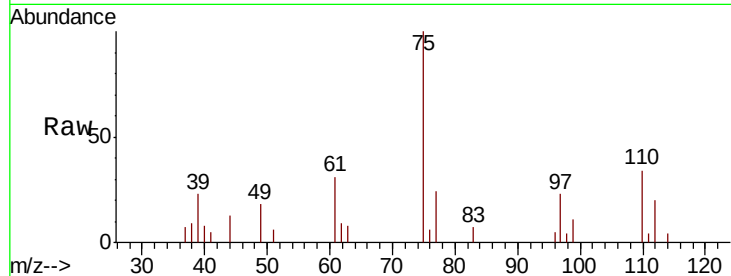
VSTD0.563

Tgt Ion: 75 Resp: 3797

Ion Ratio Lower Upper

75 100

77 28.0 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV008764.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008764.D (-2859) (-)

10.32

2500

2000

1500

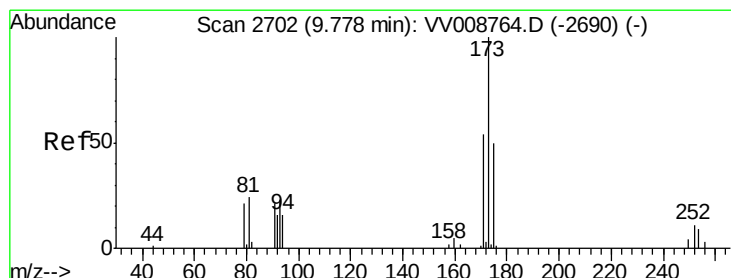
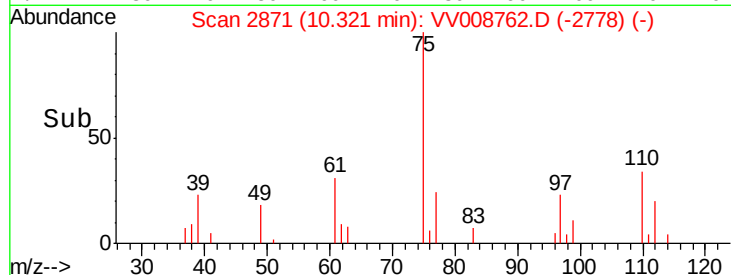
1000

500

0

10.30 10.35

Time-->



#61

Bromoform

Concen: 0.437 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

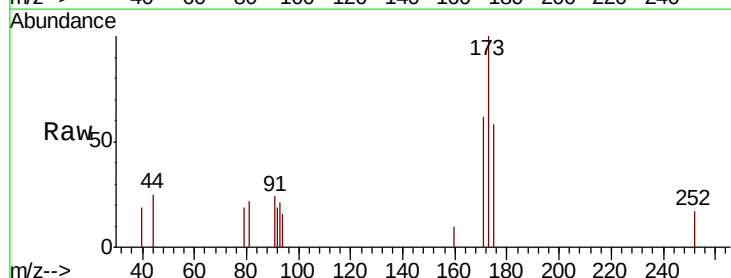
Tgt Ion: 173 Resp: 1951

Ion Ratio Lower Upper

173 100

175 52.7 39.6 59.4

254 0.0 6.9 10.3#



Abundance Ion 172.90 (172.60 to 173.60): VV008764.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VV008764.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VV008764.D (-2690) (-)

9.78

1500

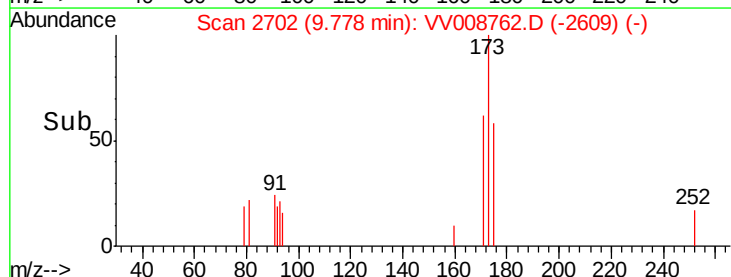
1000

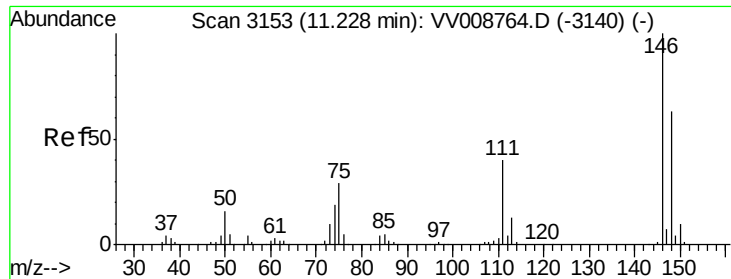
500

0

9.75 9.80

Time-->

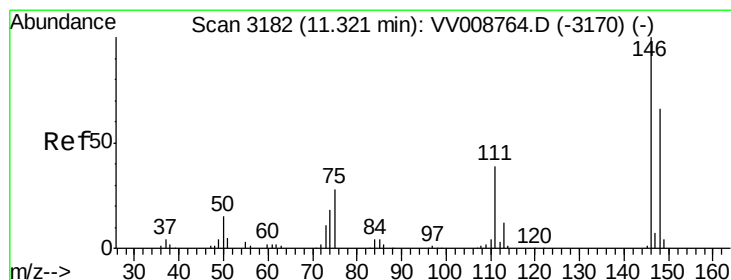
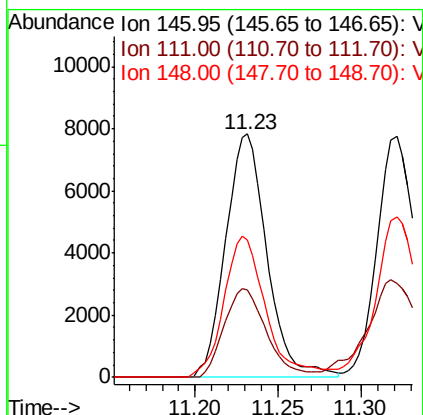
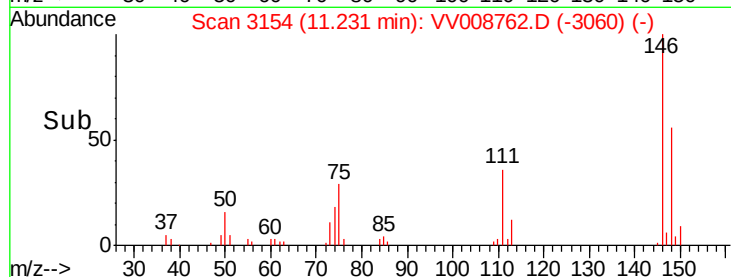
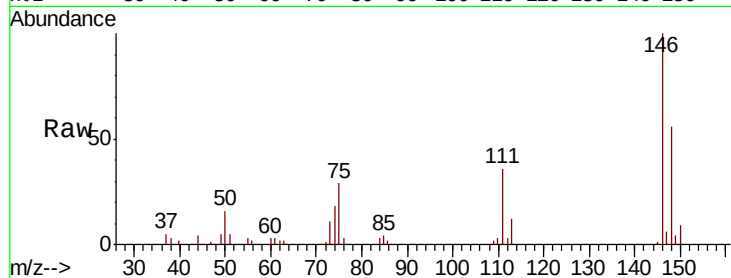




#62
 1,3-Dichlorobenzene
 Concen: 0.508 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

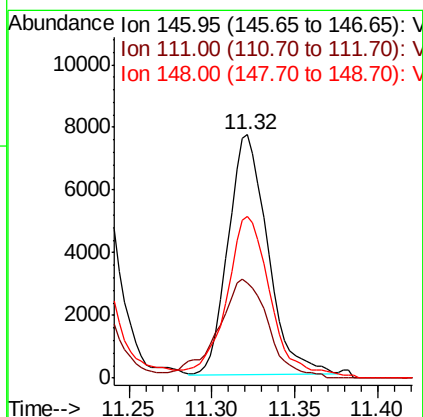
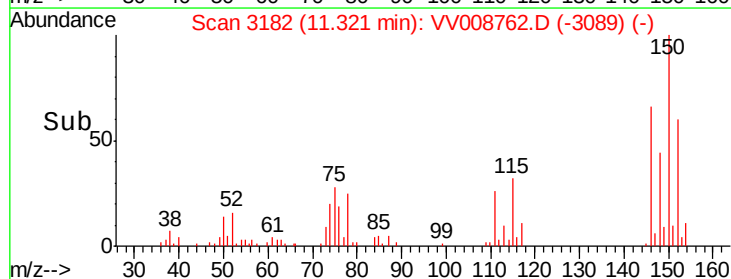
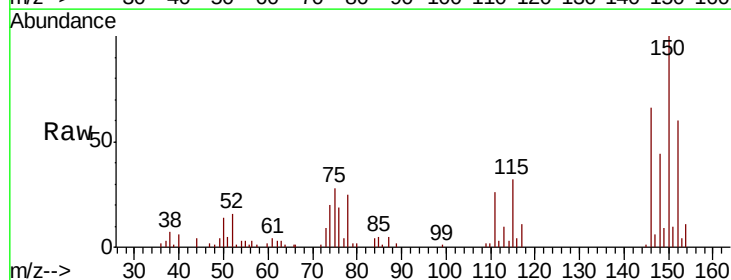
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.563

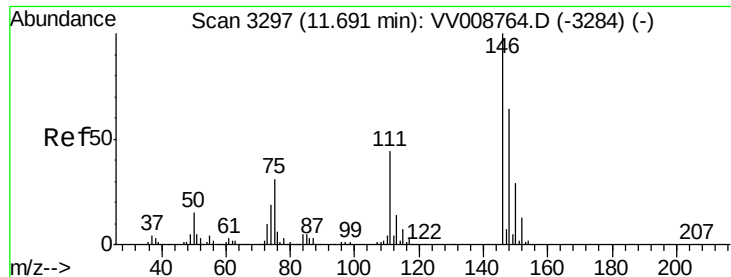
Tgt Ion:146 Resp: 13538
 Ion Ratio Lower Upper
 146 100
 111 35.7 28.1 52.1
 148 56.5 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 0.447 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Tgt Ion:146 Resp: 12758
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.6 51.4
 148 66.7 46.5 86.3





#65

1,2-Dichlorobenzene

Concen: 0.495 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.563

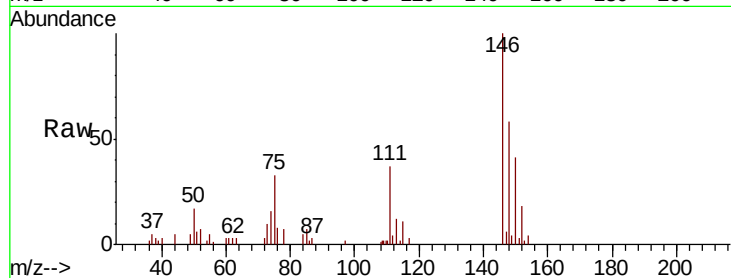
Tgt Ion:146 Resp: 13140

Ion Ratio Lower Upper

146 100

111 36.5 34.8 52.2

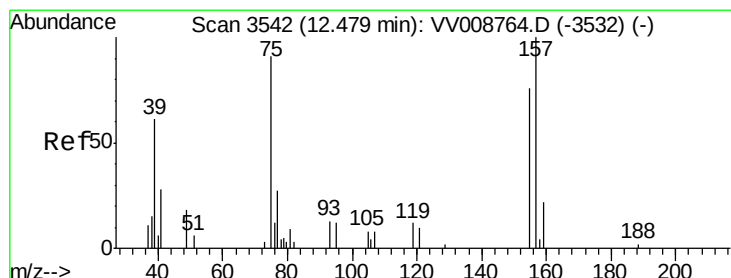
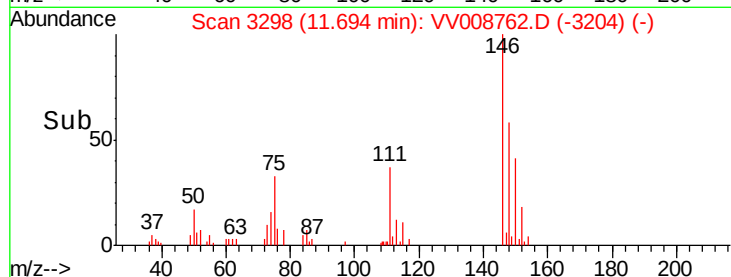
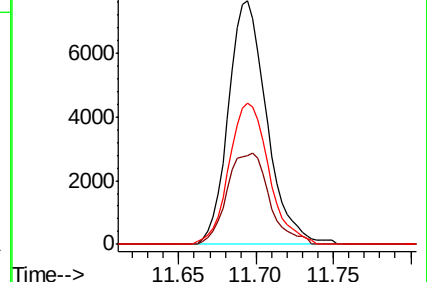
148 58.1 51.1 76.7



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: 0.331 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

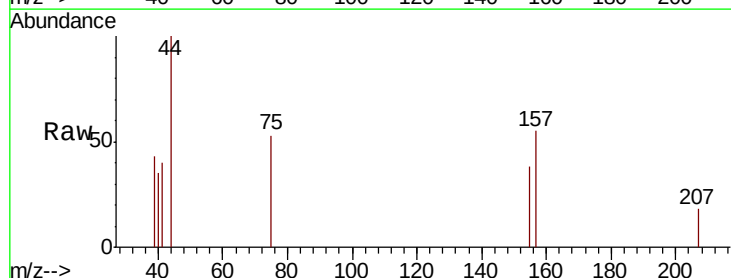
Tgt Ion: 75 Resp: 433

Ion Ratio Lower Upper

75 100

155 71.8 66.7 100.1

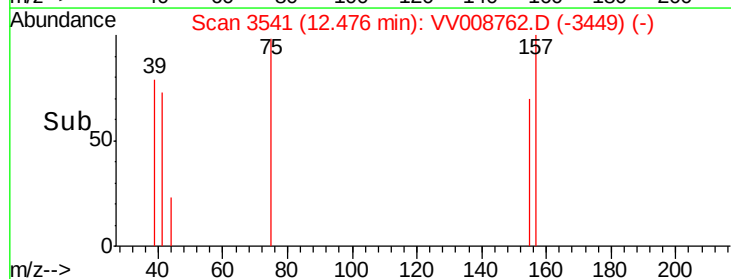
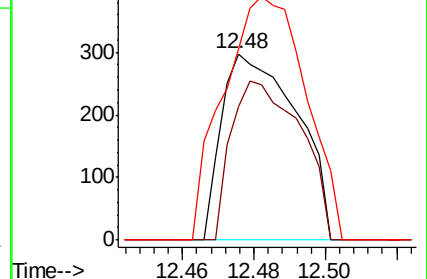
157 102.3 88.0 132.0

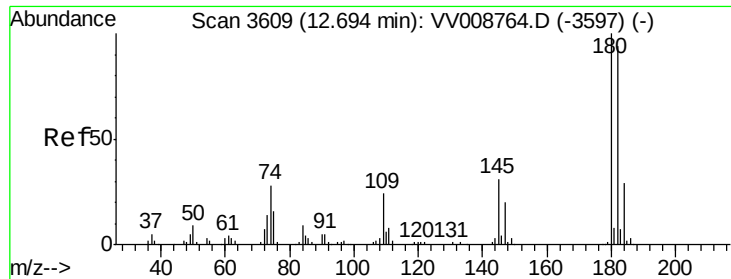


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

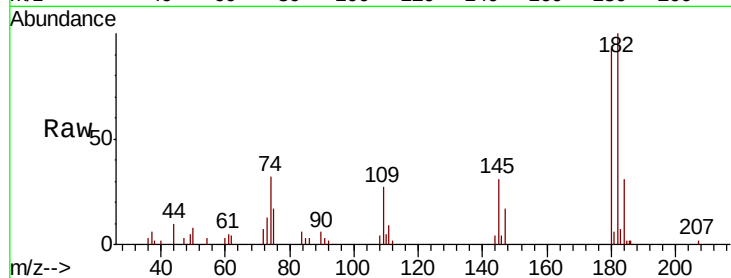




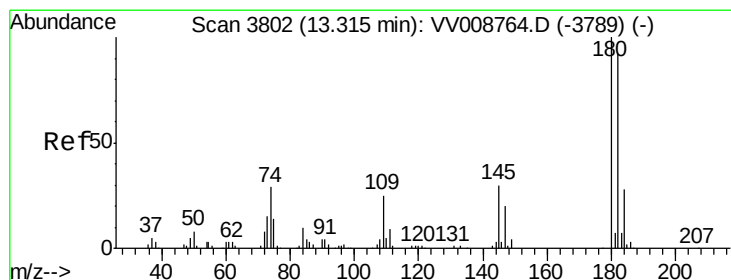
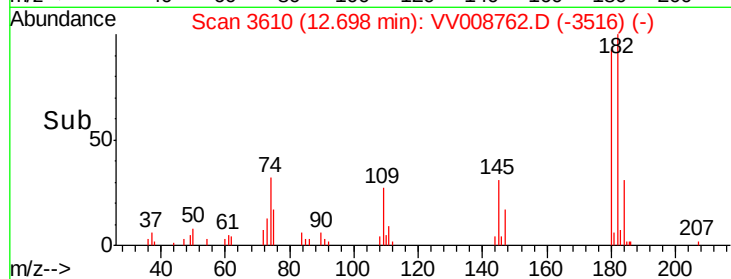
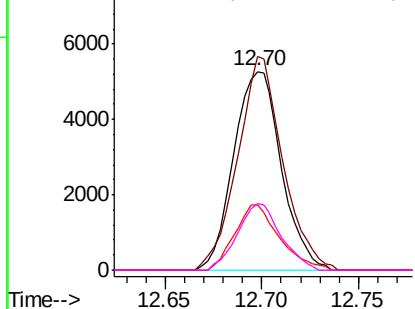
#67
 1,3,5-Trichlorobenzene
 Concen: 0.462 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.563

Tgt Ion:180 Resp: 9020
 Ion Ratio Lower Upper
 180 100
 182 102.0 74.7 112.1
 184 31.1 23.3 34.9
 145 30.7 24.2 36.4

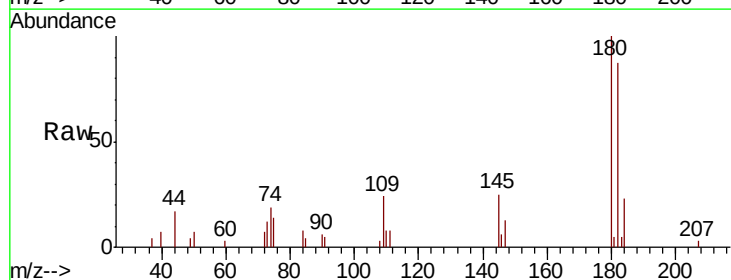


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

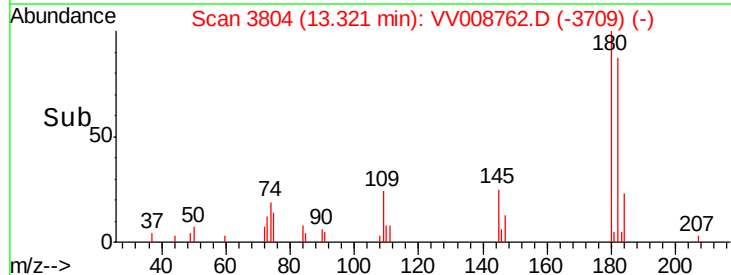
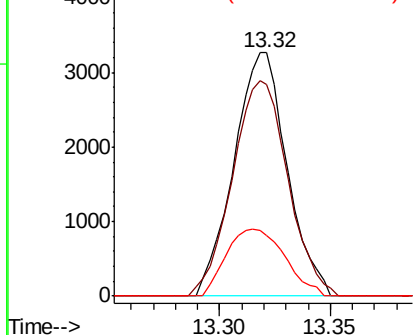


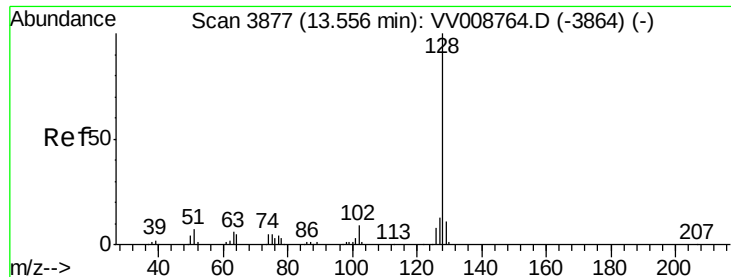
#68
 1,2,4-trichlorobenzene
 Concen: 0.379 ug/L
 RT: 13.32 min Scan# 3804
 Delta R.T. 0.01 min
 Lab File: VV008762.D
 Acq: 29 Nov 2018 14:28

Tgt Ion:180 Resp: 5462
 Ion Ratio Lower Upper
 180 100
 182 92.6 74.2 111.4
 145 30.2 24.1 36.1



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: 0.303 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.563

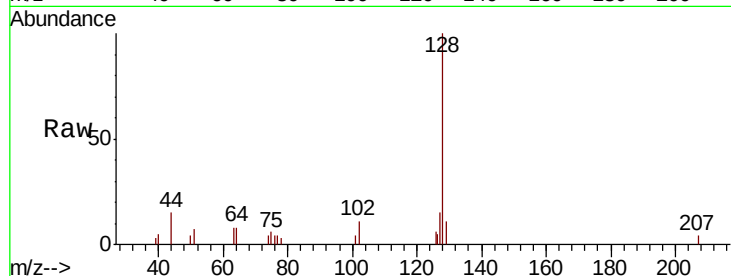
Tgt Ion:128 Resp: 6359

Ion Ratio Lower Upper

128 100

129 11.8 8.6 12.8

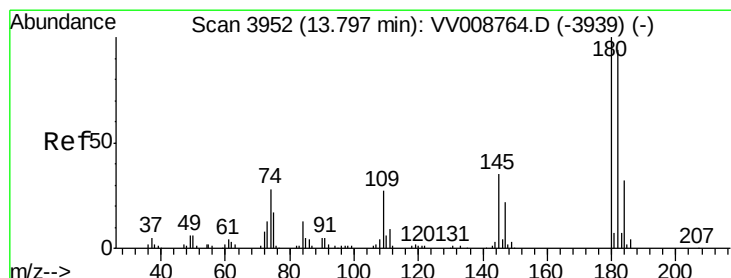
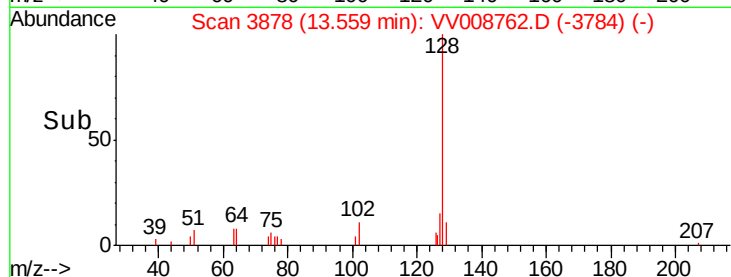
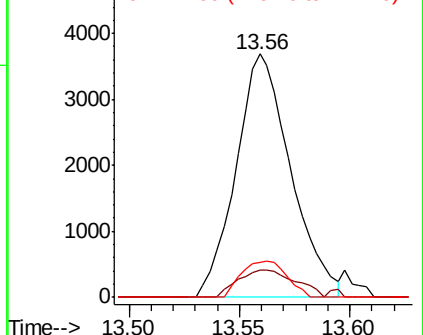
127 12.4 10.1 15.1



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: 0.398 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008762.D

Acq: 29 Nov 2018 14:28

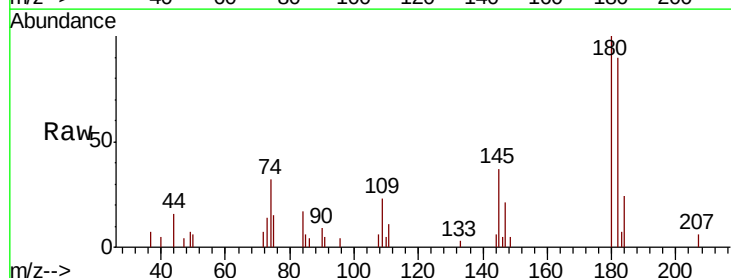
Tgt Ion:180 Resp: 5183

Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.4

145 32.1 27.6 41.4



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

