

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
 Data File : VV008763.D
 Acq On : 29 Nov 2018 14:54
 Operator : SY/MD
 Sample : VSTD00164
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00164

Quant Time: Nov 30 04:37:53 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	168650	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	157656	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71166	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11609	1.17	ug/L	0.00
7) Chloroethane-d5	1.59	69	8597	1.27	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	20262	1.07	ug/L	0.00
20) 2-Butanone-d5	3.99	46	23747	9.15	ug/L	0.02
24) Chloroform-d	4.41	84	23200	1.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	10779	1.00	ug/L	0.00
32) Benzene-d6	5.10	84	46628	1.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	15415	1.08	ug/L	0.00
41) Toluene-d8	7.36	98	42082	0.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4132	0.83	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	16893	8.78	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	8948	0.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	15189	1.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	15720	1.080 ug/L	99
3) Chloromethane	1.25	50	11798	1.028 ug/L	99
5) Vinyl chloride	1.33	62	11268	0.979 ug/L	97
6) Bromomethane	1.54	94	7197	1.119 ug/L	91
8) Chloroethane	1.60	64	6661	1.162 ug/L	95
9) Trichlorofluoromethane	1.77	101	17224	1.078 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9684	1.027 ug/L	99
12) 1,1-Dichloroethene	2.15	96	8388	0.999 ug/L	96
13) Acetone	2.24	43	10483	7.998 ug/L	58
14) Carbon disulfide	2.32	76	23922	0.943 ug/L	97
15) Methyl Acetate	2.47	43	3260	0.959 ug/L #	59
16) Methylene chloride	2.54	84	9996	1.074 ug/L	90
17) Methyl tert-butyl Ether	2.81	73	20849	1.044 ug/L #	92
18) trans-1,2-Dichloroethene	2.79	96	9681	1.074 ug/L	95
19) 1,1-Dichloroethane	3.23	63	18928	0.925 ug/L	93
21) 2-Butanone	4.07	43	24020	9.032 ug/L #	65
22) cis-1,2-Dichloroethene	3.97	96	12928	1.026 ug/L	100
23) Bromochloromethane	4.31	128	5327	1.025 ug/L	88
25) Chloroform	4.43	83	23279	1.070 ug/L	99
27) 1,2-Dichloroethane	5.19	62	13525	1.095 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	17985	0.980 ug/L	98
30) Cyclohexane	4.72	56	19340	0.990 ug/L	97
31) Carbon tetrachloride	4.88	117	15519	1.002 ug/L	97
33) Benzene	5.15	78	48669	1.020 ug/L	100
34) Trichloroethene	5.96	95	13379	1.022 ug/L	97
35) Methylcyclohexane	6.18	83	20029	0.960 ug/L	98
37) 1,2-Dichloropropane	6.23	63	12083	1.024 ug/L	99
38) Bromodichloromethane	6.56	83	13245	0.984 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	14195	0.902 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	58906	9.506 ug/L	99

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

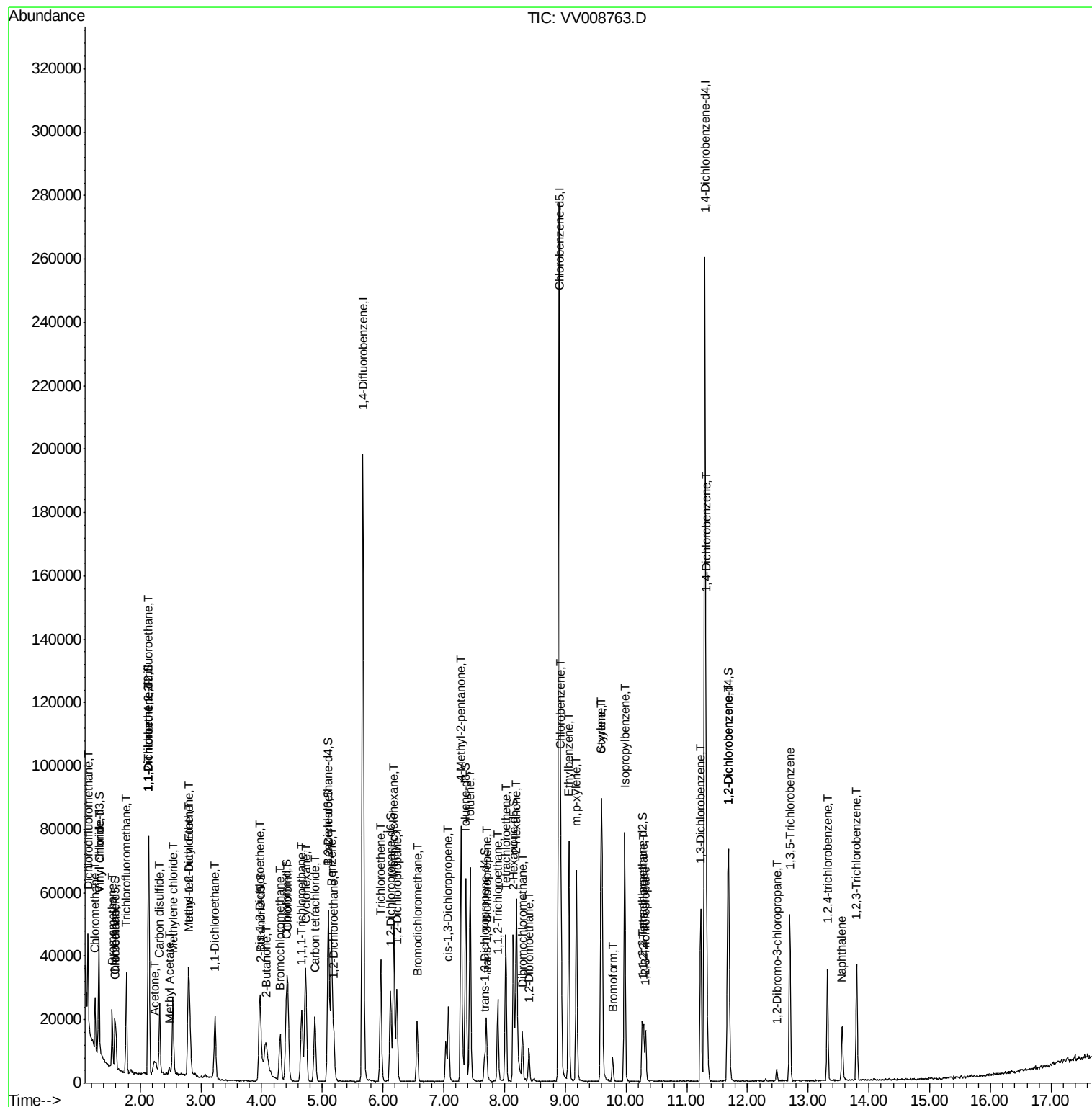
42) Toluene	7.43	91	50377	1.021	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	11166	0.907	ug/L	87
45) 1,1,2-Trichloroethane	7.89	97	7804	0.986	ug/L	92
47) Tetrachloroethene	8.02	164	10626	1.073	ug/L	99
48) 2-Hexanone	8.19	43	40586	9.406	ug/L	95
49) Dibromochloromethane	8.30	129	7517	0.896	ug/L	99
50) 1,2-Dibromoethane	8.40	107	7085	0.997	ug/L	89
51) Chlorobenzene	8.93	112	33182	0.931	ug/L	97
52) Ethylbenzene	9.06	91	52749	0.983	ug/L	98
53) m,p-xylene	9.18	106	19316	0.959	ug/L	97
54) o-xylene	9.59	106	18634	0.956	ug/L	94
55) Styrene	9.60	104	30471	0.953	ug/L	97
56) Isopropylbenzene	9.98	105	50873	0.981	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	7813	0.925	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	6621	0.988	ug/L	99
61) Bromoform	9.78	173	3602	0.932	ug/L #	97
62) 1,3-Dichlorobenzene	11.23	146	24390	1.056	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	24392	0.986	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	23232	1.010	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1117	0.986	ug/L	88
67) 1,3,5-Trichlorobenzene	12.70	180	17024	1.007	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	11380	0.911	ug/L	96
69) Naphthalene	13.56	128	15309	0.843	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	11542	1.024	ug/L	97

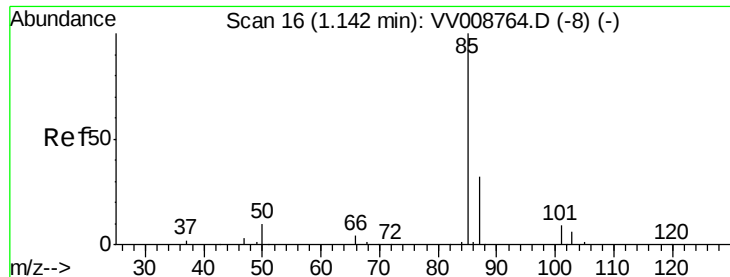
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.080 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

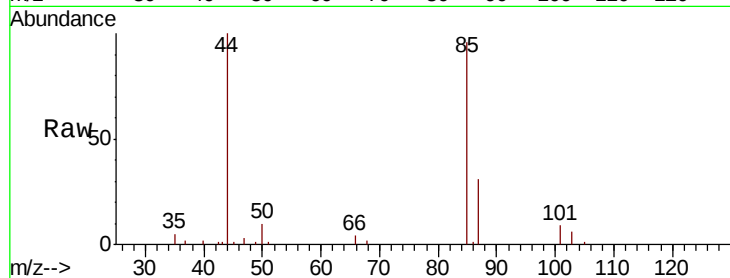
VSTD00164

Tgt Ion: 85 Resp: 15720

Ion Ratio Lower Upper

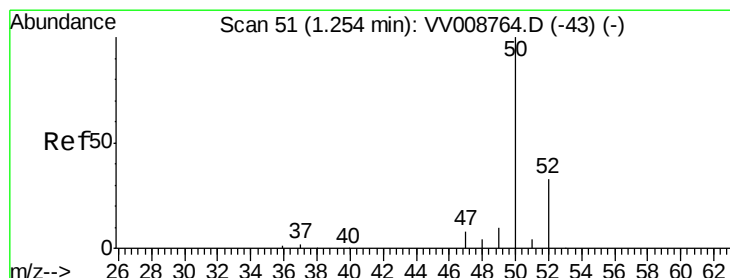
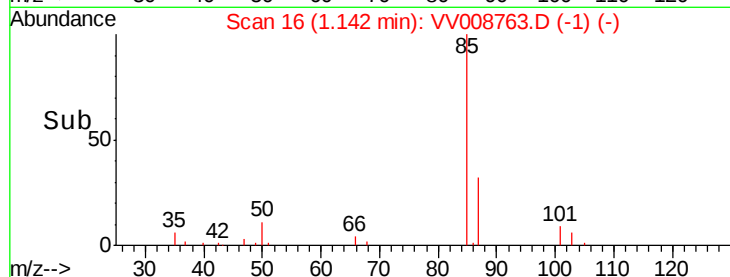
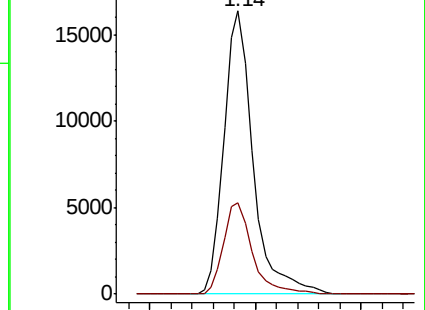
85 100

87 32.0 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: 1.028 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008763.D

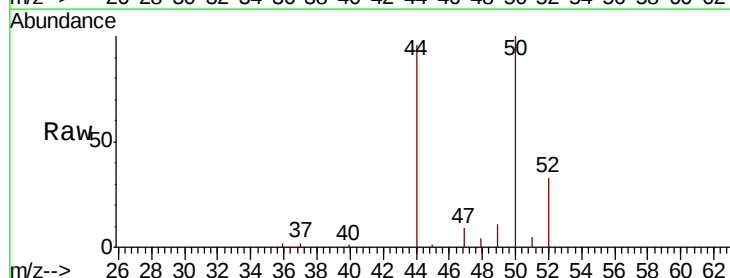
Acq: 29 Nov 2018 14:54

Tgt Ion: 50 Resp: 11798

Ion Ratio Lower Upper

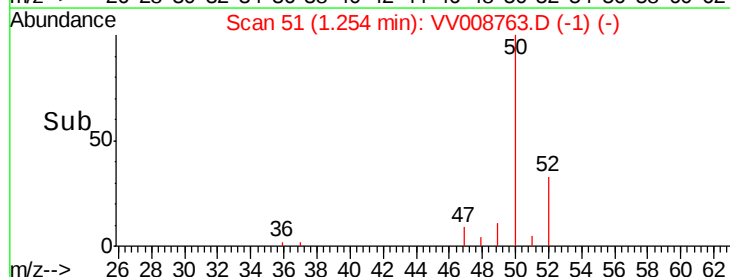
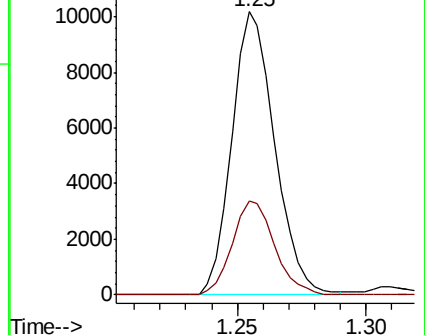
50 100

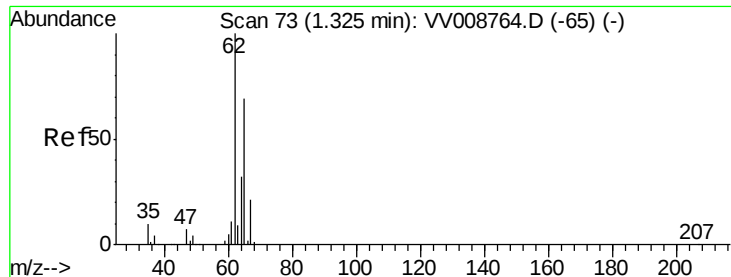
52 33.2 22.8 42.4



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: 0.979 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

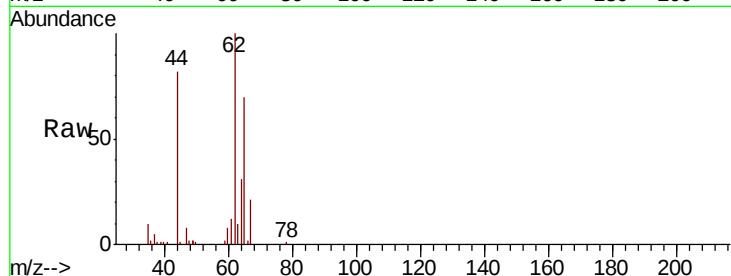
VSTD00164

Tgt Ion: 62 Resp: 11268

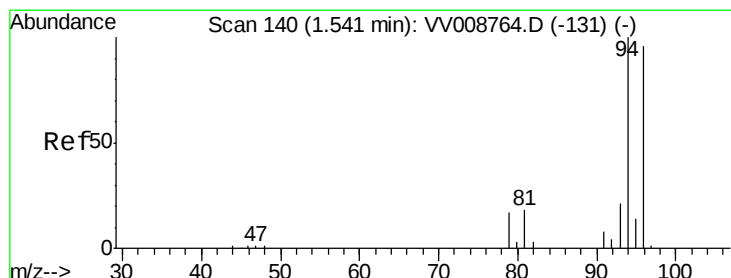
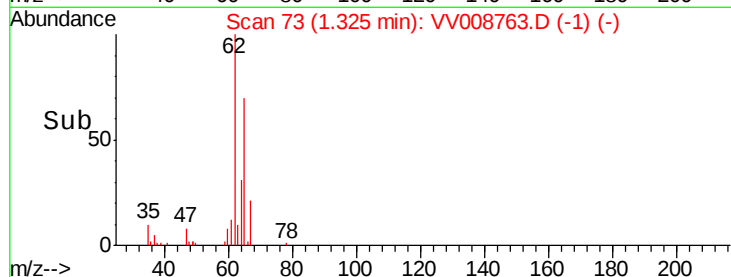
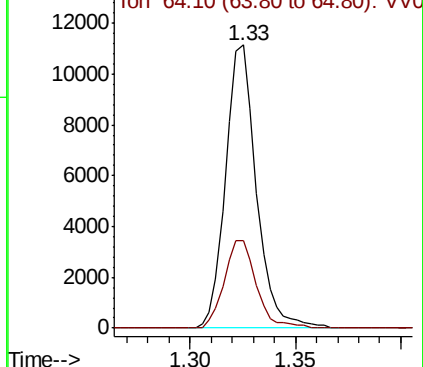
Ion Ratio Lower Upper

62 100

64 30.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV008763.D (-65) (-)



#6

Bromomethane

Concen: 1.119 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008763.D

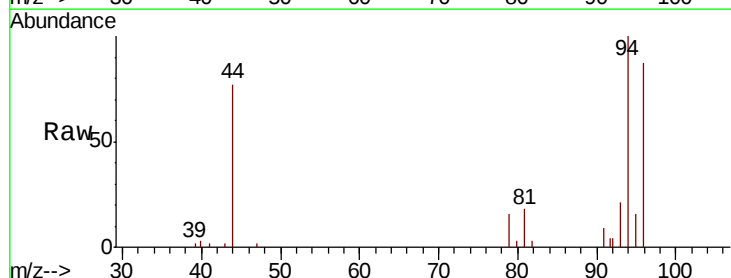
Acq: 29 Nov 2018 14:54

Tgt Ion: 94 Resp: 7197

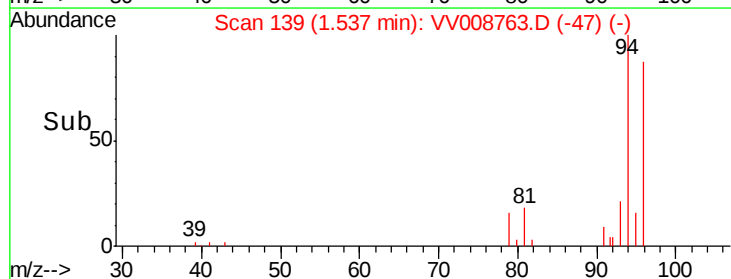
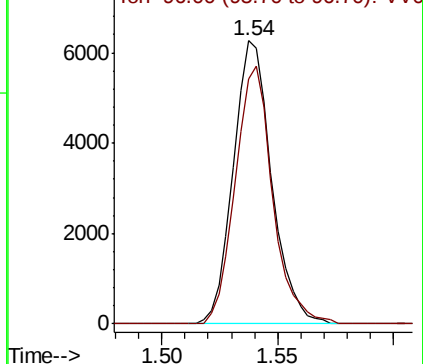
Ion Ratio Lower Upper

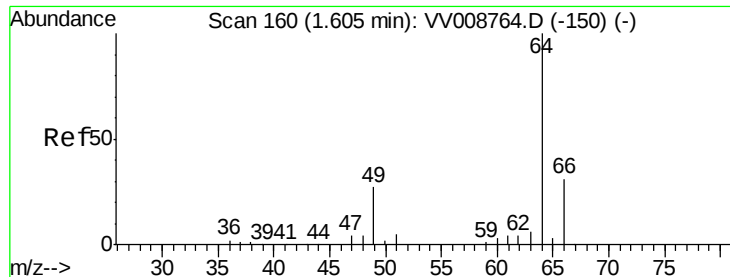
94 100

96 86.7 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV008763.D (-131) (-)





#8

Chloroethane

Concen: 1.162 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

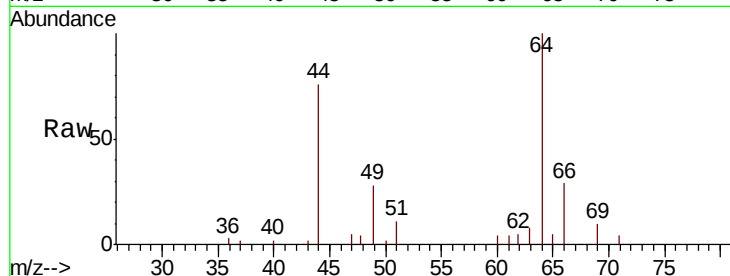
VSTD00164

Tgt Ion: 64 Resp: 6661

Ion Ratio Lower Upper

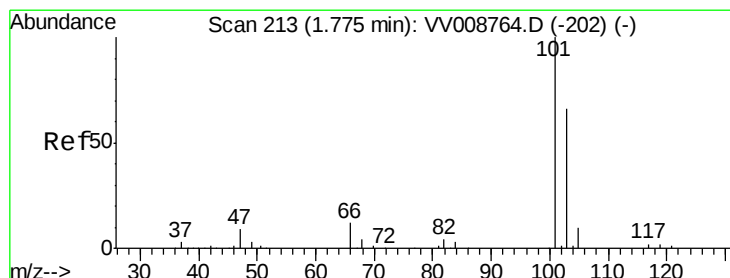
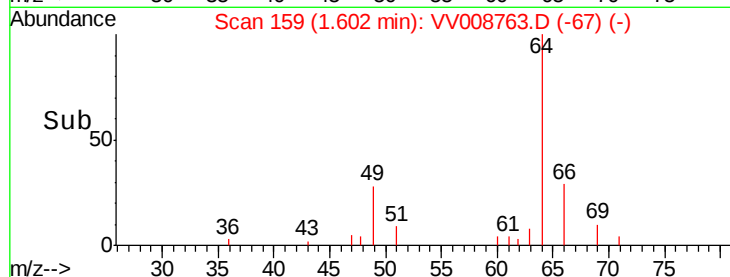
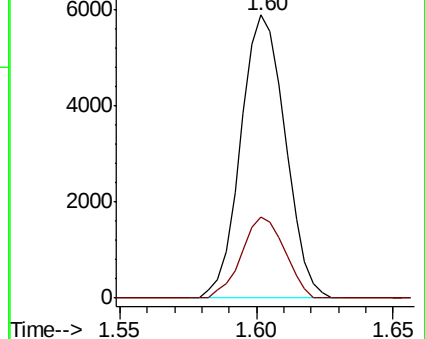
64 100

66 28.6 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) (-)



#9

Trichlorofluoromethane

Concen: 1.078 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV008763.D

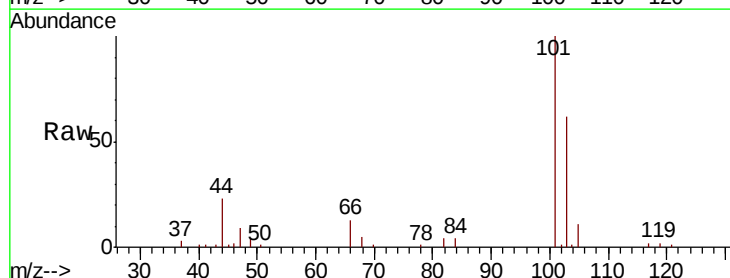
Acq: 29 Nov 2018 14:54

Tgt Ion: 101 Resp: 17224

Ion Ratio Lower Upper

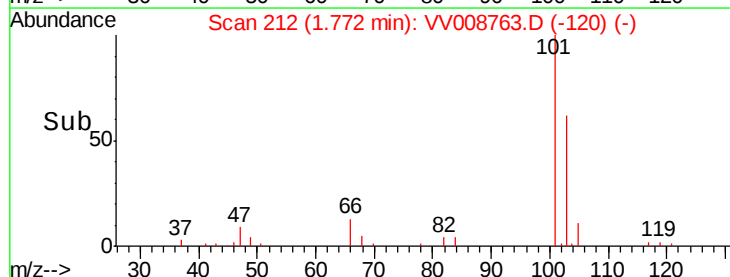
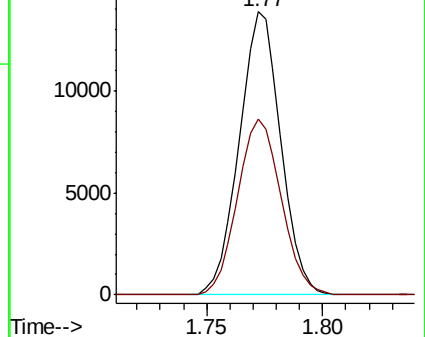
101 100

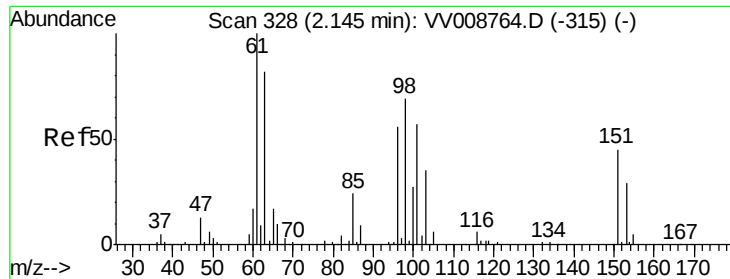
103 65.4 52.6 79.0



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

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





#10

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

Concen: 1.027 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00164

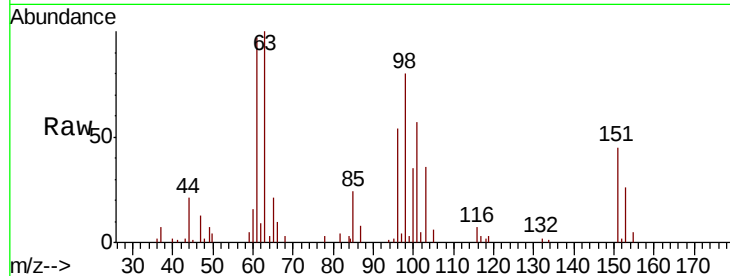
Tgt Ion:101 Resp: 9684

Ion Ratio Lower Upper

101 100

85 42.2 33.1 49.7

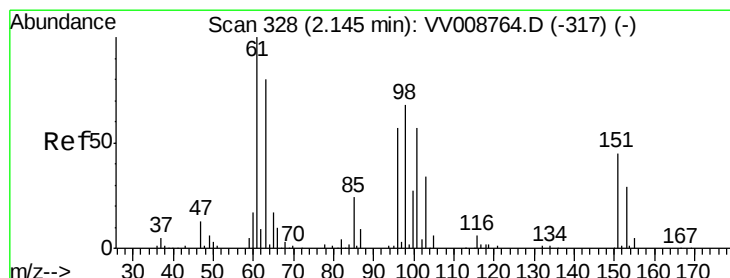
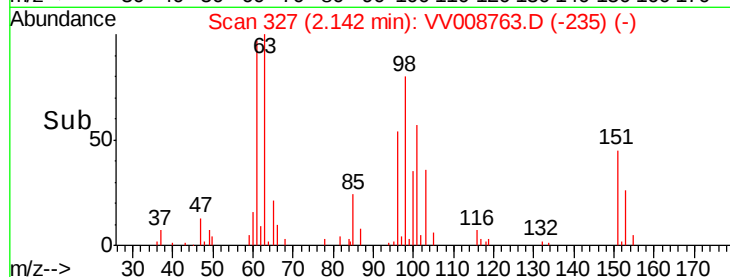
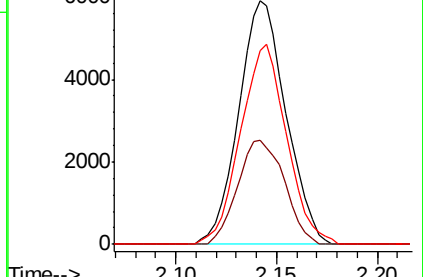
151 80.3 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV008764.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV008764.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV008764.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 0.999 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

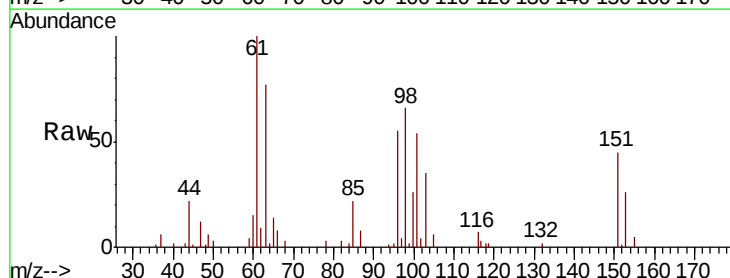
Tgt Ion: 96 Resp: 8388

Ion Ratio Lower Upper

96 100

61 181.6 124.3 230.8

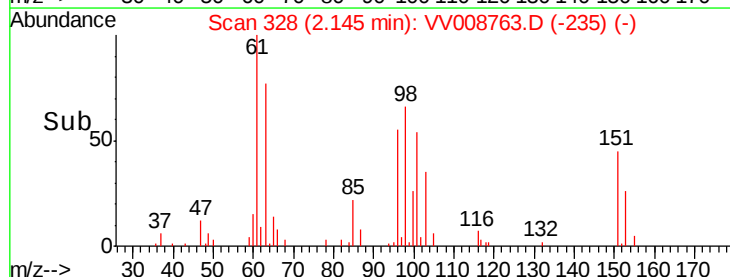
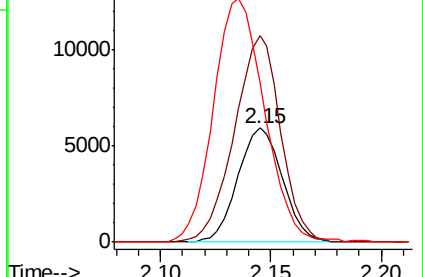
63 139.9 102.6 190.5

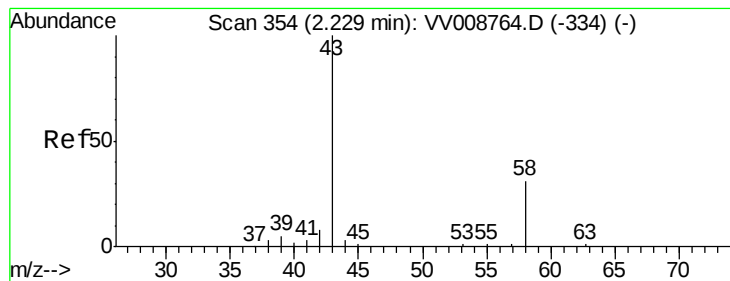


Abundance Ion 96.00 (95.70 to 96.70): VV008763.D (-235) (-)

Ion 61.05 (60.75 to 61.75): VV008763.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV008763.D (-235) (-)





#13

Acetone

Concen: 7.998 ug/L

RT: 2.24 min Scan# 357

Delta R.T. 0.01 min

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ClientSampleId :

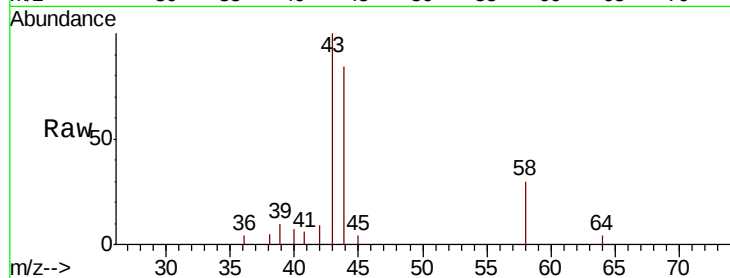
VSTD00164

Tgt Ion: 43 Resp: 10483

Ion Ratio Lower Upper

43 100

58 7.4 0.0 59.8



Abundance Ion 43.05 (42.75 to 43.75): VV008764.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV008764.D (-334) (-)

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3.74

3.75

3.76

3.77

3.78

3.79

3.80

3.81

3.82

3.83

3.84

3.85

3.86

3.87

3.88

3.89

3.90

3.91

3.92

3.93

3.94

3.95

3.96

3.97

3.98

3.99

4.00

4.01

4.02

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4.68

4.69

4.70

4.71

4.72

4.73

4.74

4.75

4.76

4.77

4.78

4.79

4.80

4.81

4.82

4.83

4.84

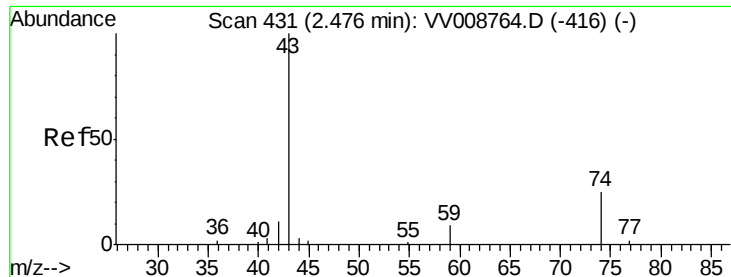
4.85

4.86

4.87

4.88

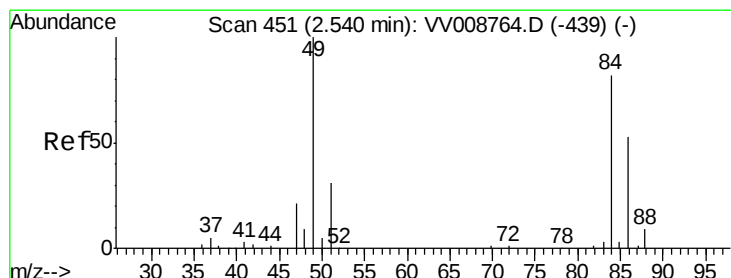
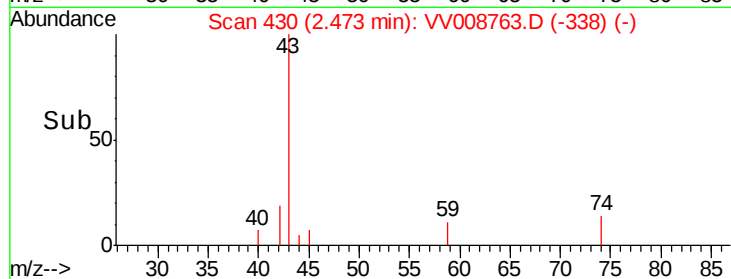
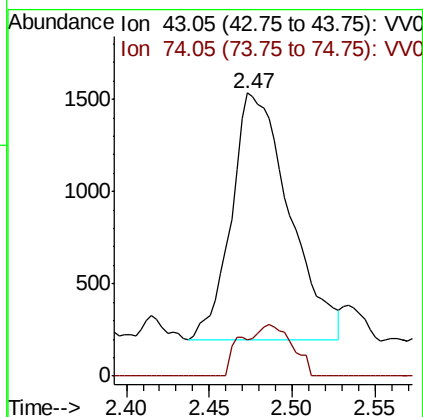
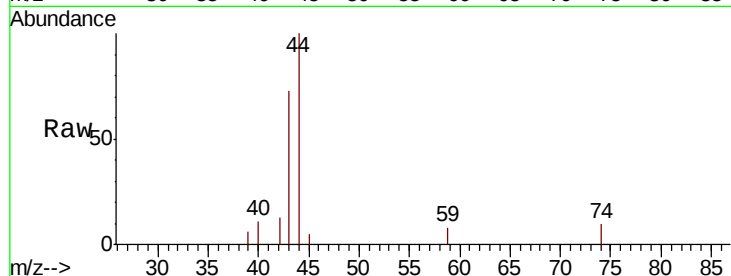
4.89



#15
Methyl Acetate
Concen: 0.959 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV008763.D
Acq: 29 Nov 2018 14:54

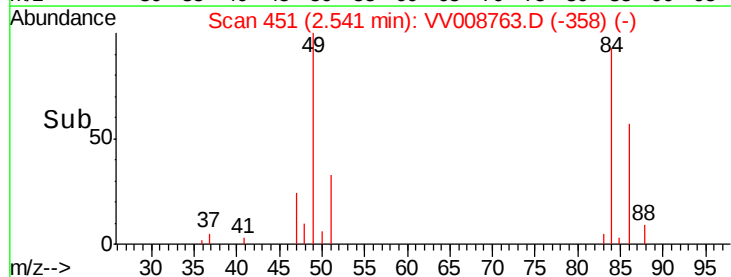
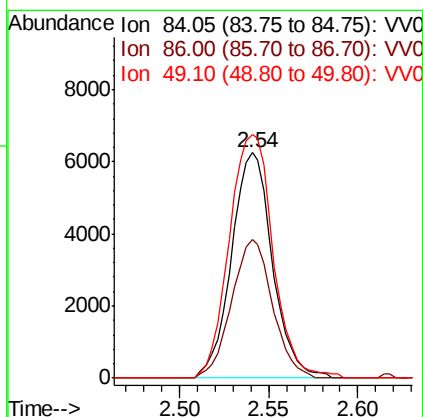
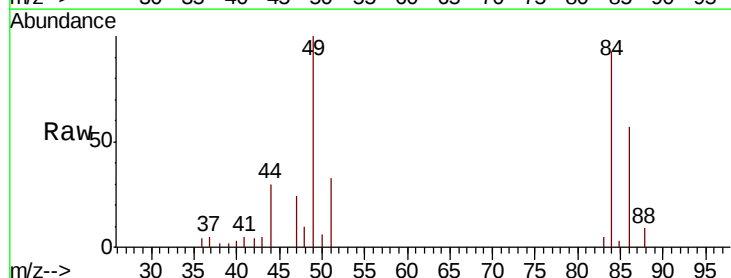
Instrument :
MSVOA_V
ClientSampleId :
VSTD00164

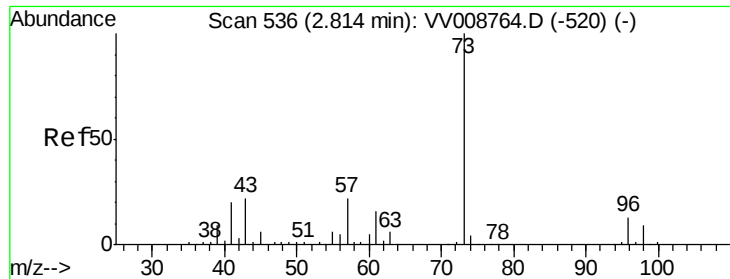
Tgt Ion: 43 Resp: 3260
Ion Ratio Lower Upper
43 100
74 4.7 20.0 30.0#



#16
Methylene chloride
Concen: 1.074 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008763.D
Acq: 29 Nov 2018 14:54

Tgt Ion: 84 Resp: 9996
Ion Ratio Lower Upper
84 100
86 61.5 45.8 85.2
49 107.9 85.9 159.5

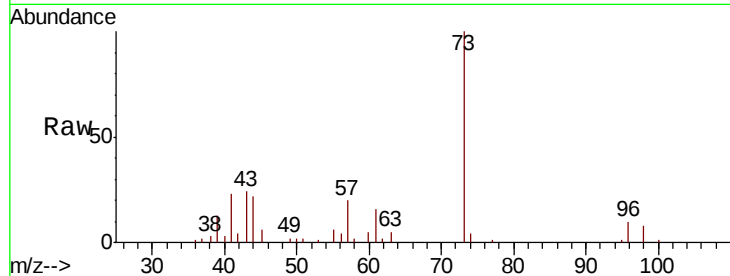




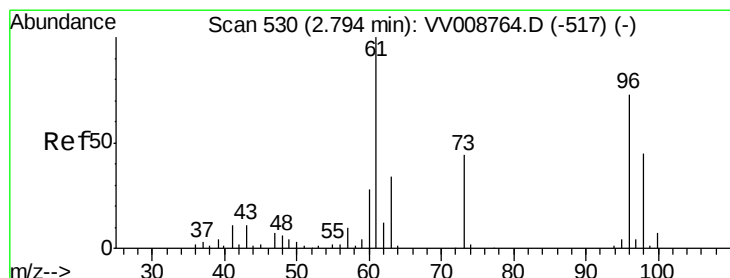
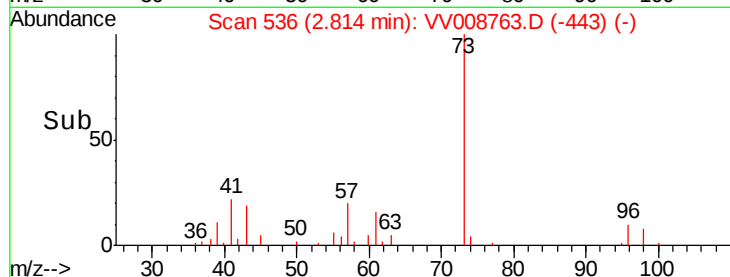
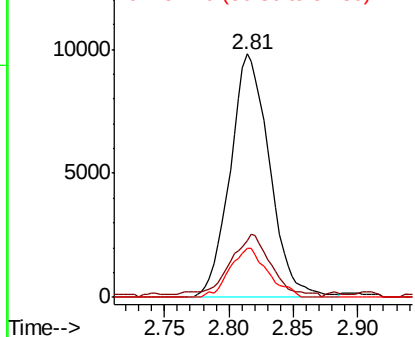
#17
Methyl tert-butyl Ether
Concen: 1.044 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008763.D
Acq: 29 Nov 2018 14:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00164

Tgt Ion: 73 Resp: 20849
Ion Ratio Lower Upper
73 100
43 28.2 18.0 27.0#
57 19.5 17.2 25.8

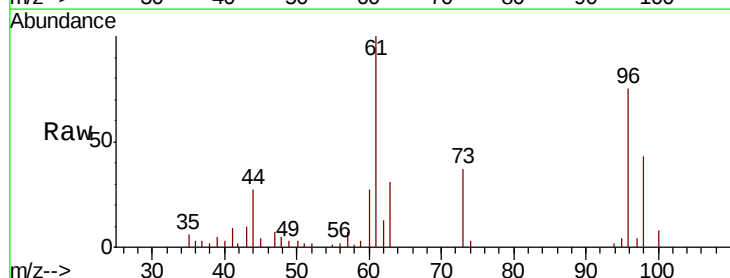


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

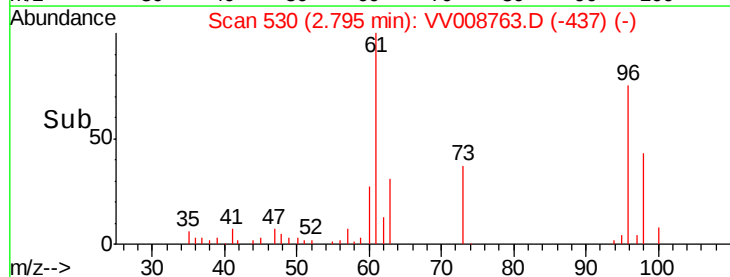
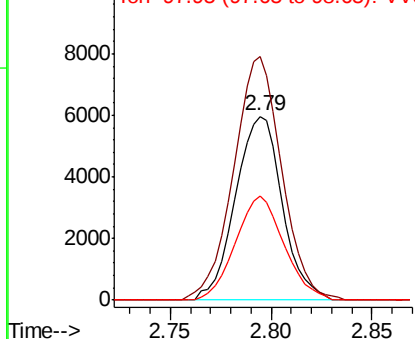


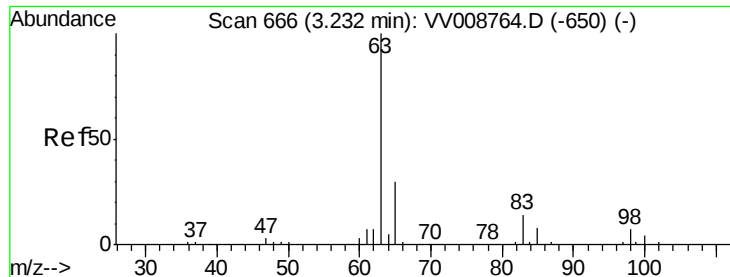
#18
trans-1,2-Dichloroethene
Concen: 1.074 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008763.D
Acq: 29 Nov 2018 14:54

Tgt Ion: 96 Resp: 9681
Ion Ratio Lower Upper
96 100
61 132.5 95.8 177.8
98 56.4 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.925 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00164

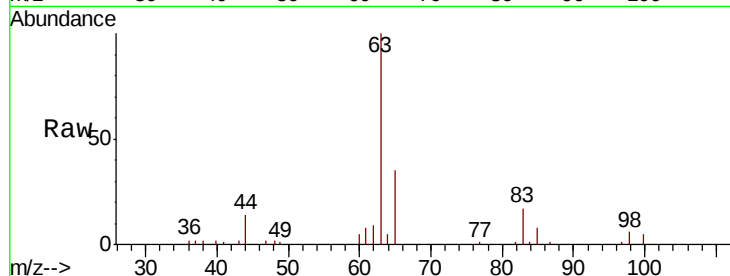
Tgt Ion: 63 Resp: 18928

Ion Ratio Lower Upper

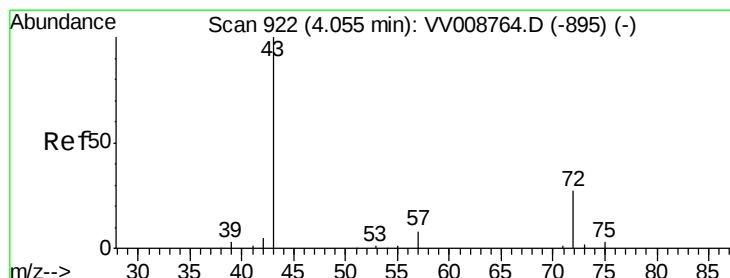
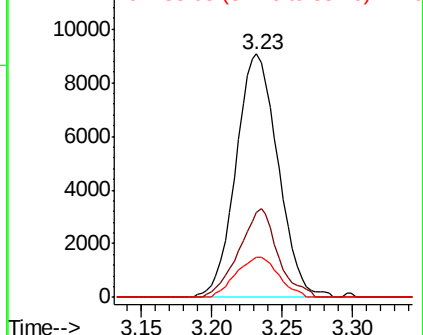
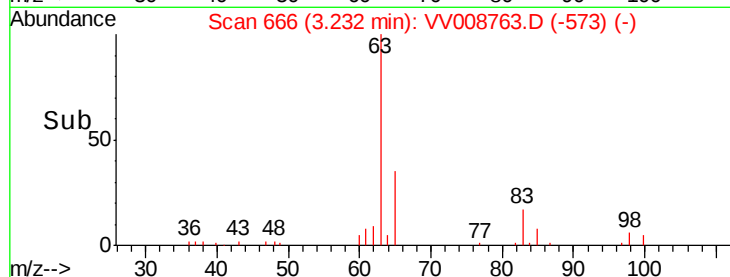
63 100

65 34.6 21.3 39.6

83 16.5 9.9 18.5



Abundance Ion 63.10 (62.80 to 63.80): VV008763.D (-573) (-)



#21

2-Butanone

Concen: 9.032 ug/L

RT: 4.07 min Scan# 927

Delta R.T. 0.02 min

Lab File: VV008763.D

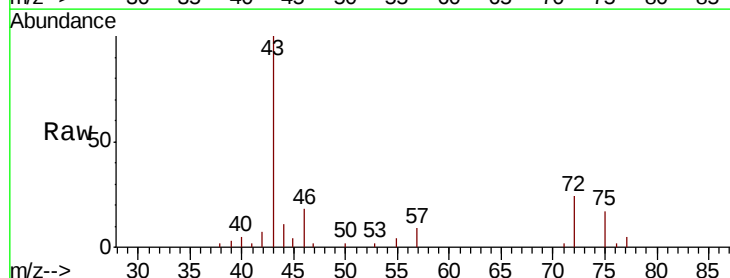
Acq: 29 Nov 2018 14:54

Tgt Ion: 43 Resp: 24020

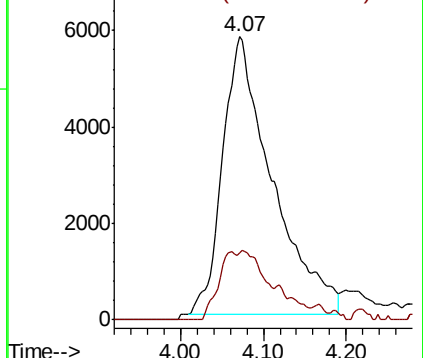
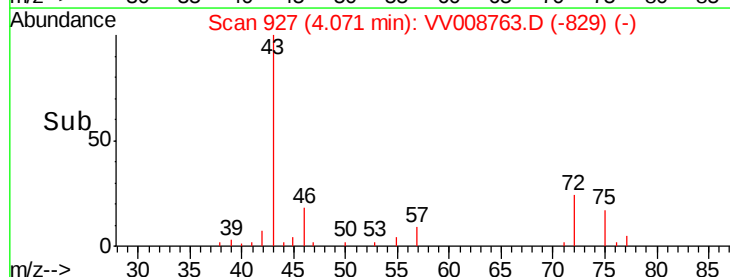
Ion Ratio Lower Upper

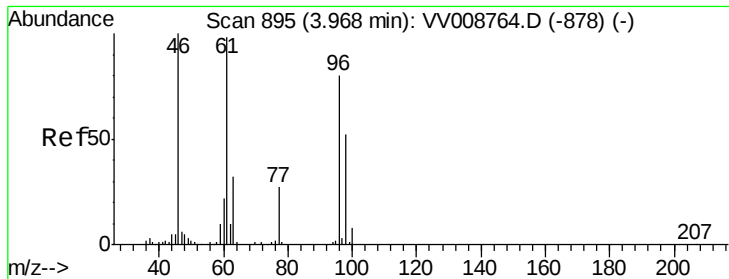
43 100

72 9.1 13.6 40.8#



Abundance Ion 43.05 (42.75 to 43.75): VV008763.D (-829) (-)



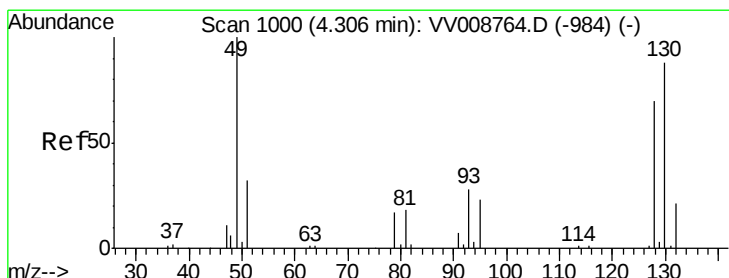
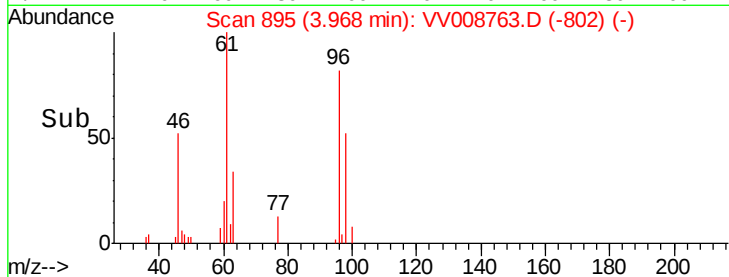
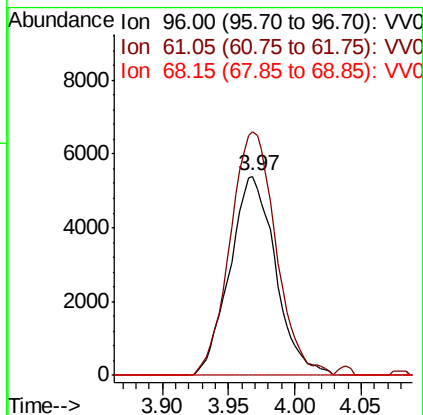
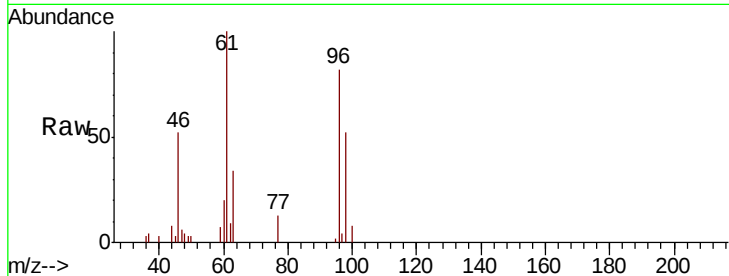


#22

cis-1,2-Dichloroethene
 Concen: 1.026 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00164

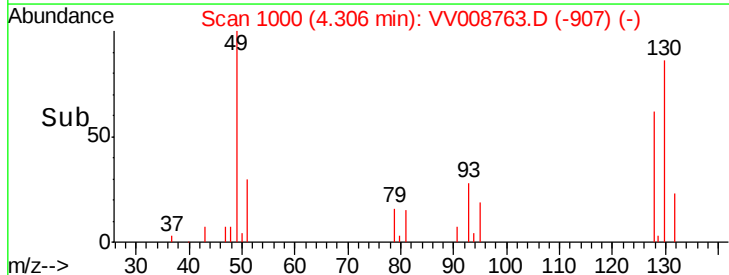
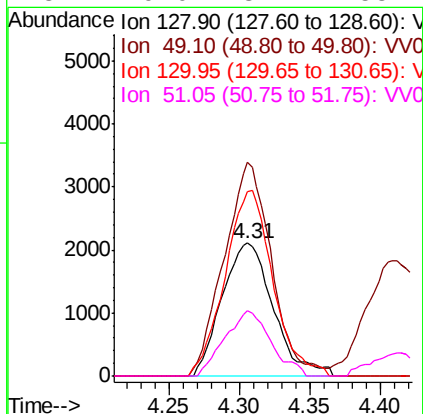
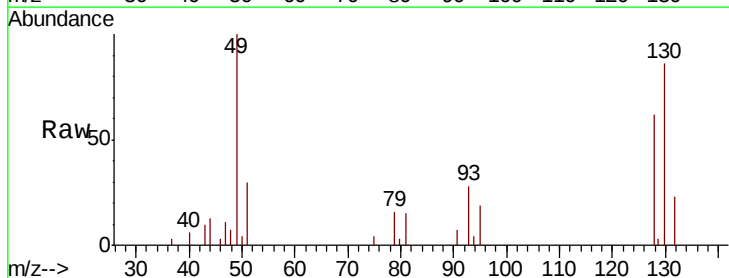
Tgt Ion: 96 Resp: 12928
 Ion Ratio Lower Upper
 96 100
 61 122.3 85.9 159.5
 68 0.0 0.0 0.0

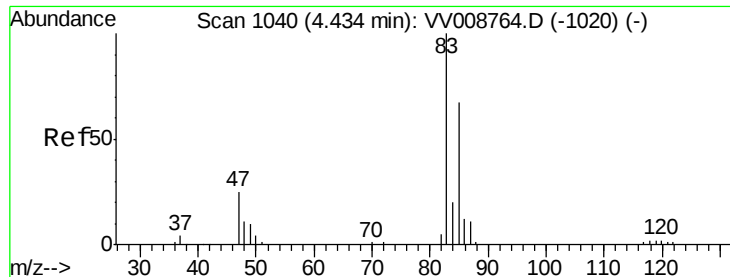


#23

Bromochloromethane
 Concen: 1.025 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Tgt Ion: 128 Resp: 5327
 Ion Ratio Lower Upper
 128 100
 49 161.1 100.4 186.4
 130 139.2 88.5 164.4
 51 49.0 37.1 55.7

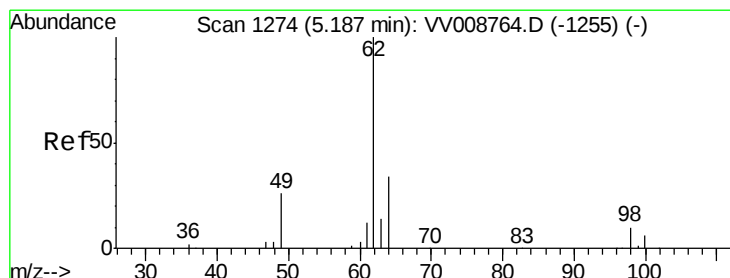
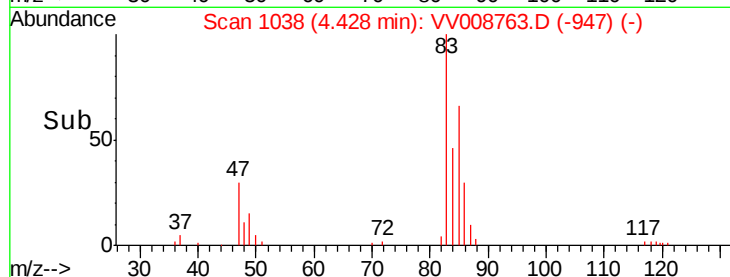
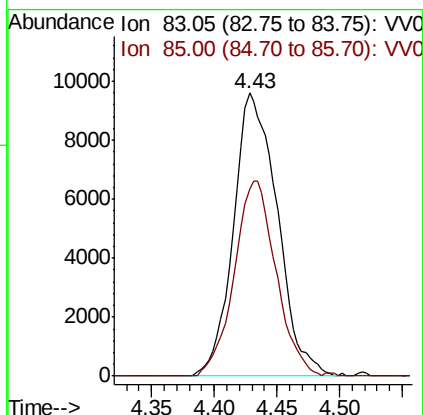
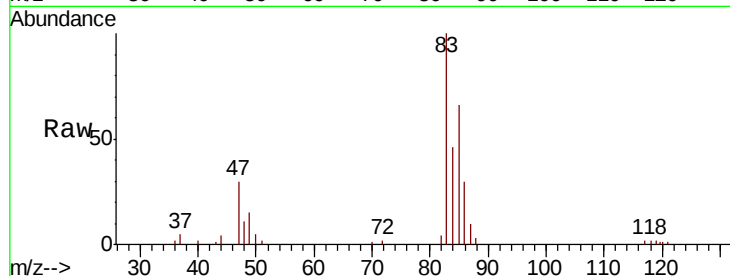




#25
 Chloroform
 Concen: 1.070 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

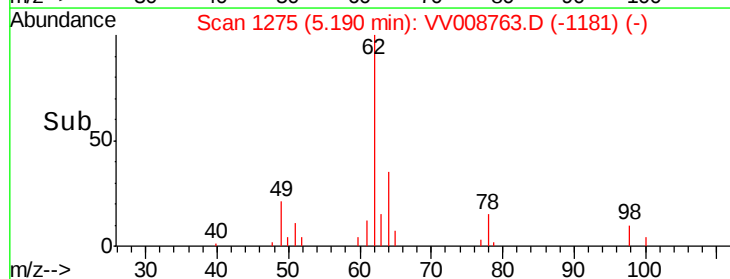
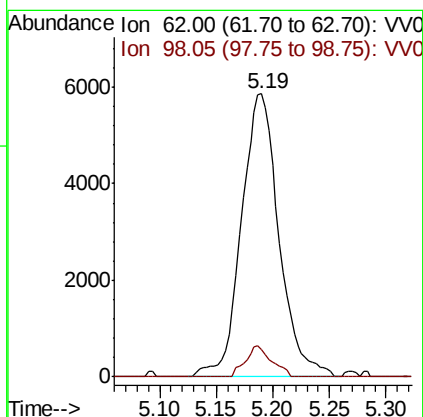
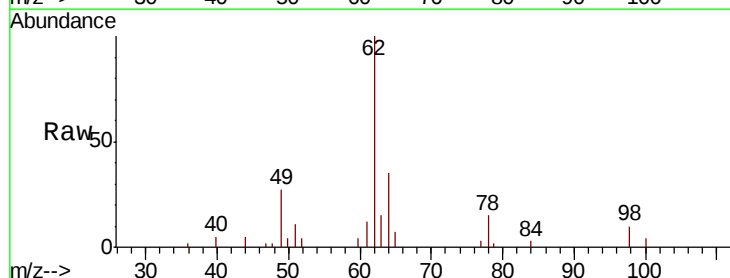
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00164

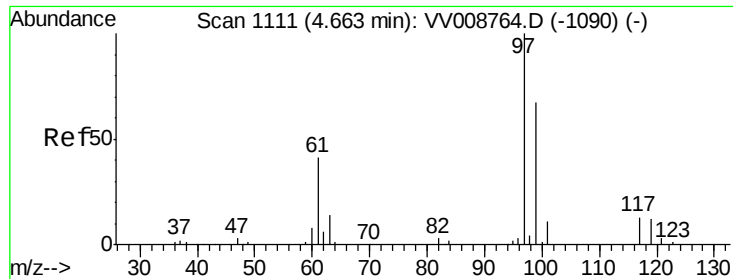
Tgt Ion: 83 Resp: 23279
 Ion Ratio Lower Upper
 83 100
 85 66.3 47.0 87.4



#27
 1,2-Dichloroethane
 Concen: 1.095 ug/L
 RT: 5.19 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Tgt Ion: 62 Resp: 13525
 Ion Ratio Lower Upper
 62 100
 98 9.7 7.7 11.5

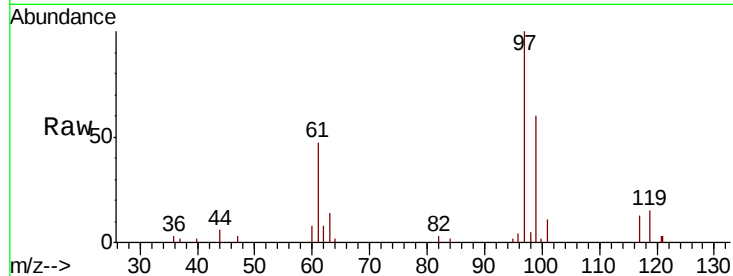




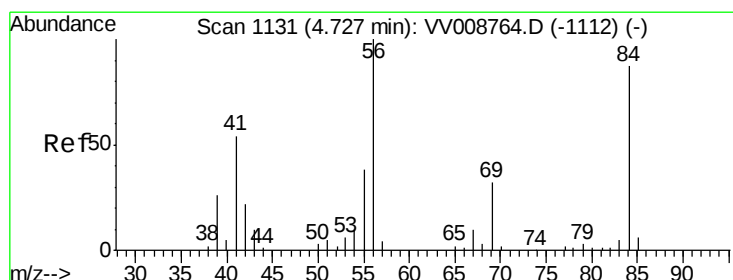
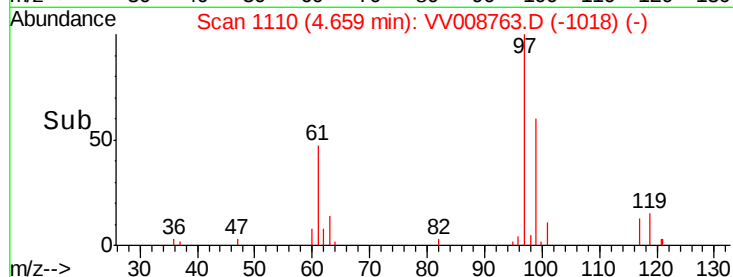
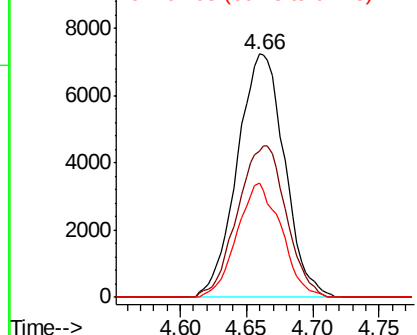
#29
 1,1,1-Trichloroethane
 Concen: 0.980 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00164

Tgt Ion: 97 Resp: 17985
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.1 78.1
 61 44.1 33.9 50.9

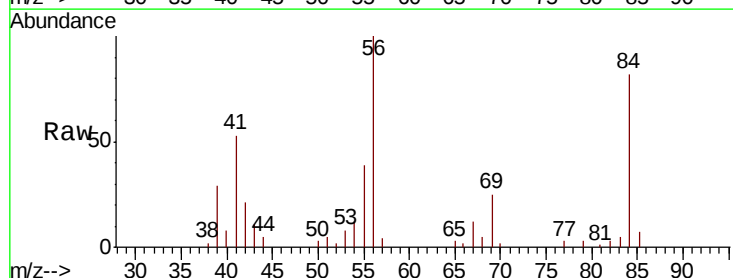


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

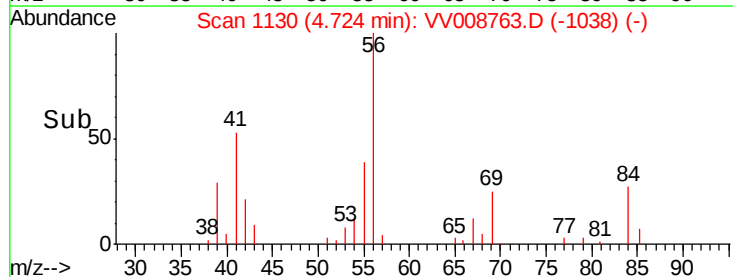
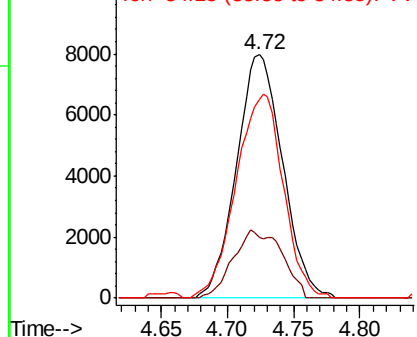


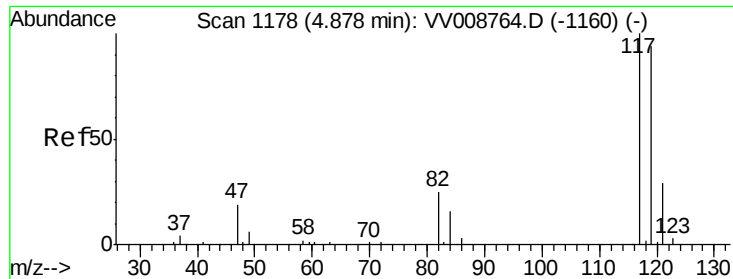
#30
 Cyclohexane
 Concen: 0.990 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Tgt Ion: 56 Resp: 19340
 Ion Ratio Lower Upper
 56 100
 69 29.5 25.1 37.7
 84 85.6 70.8 106.2



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





#31

Carbon tetrachloride

Concen: 1.002 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

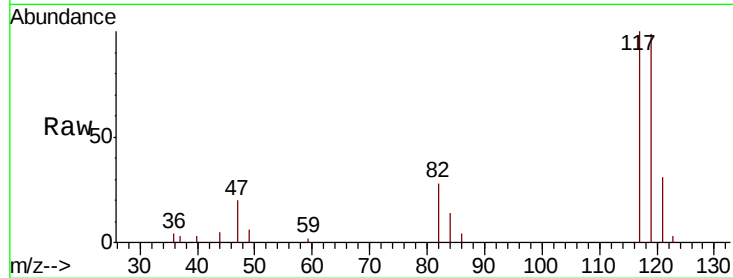
VSTD00164

Tgt Ion:117 Resp: 15519

Ion Ratio Lower Upper

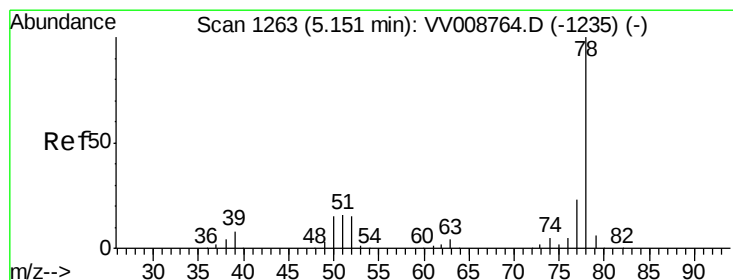
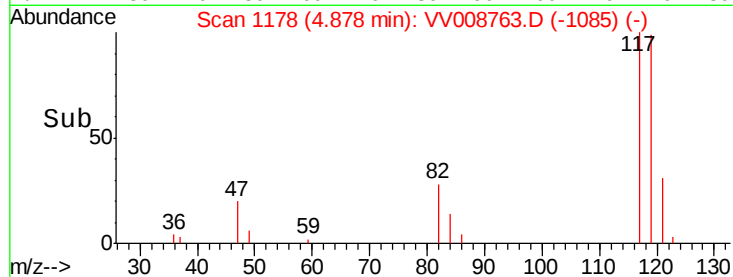
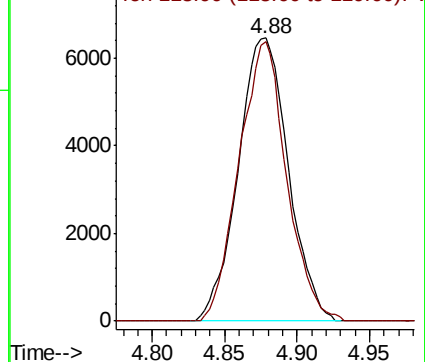
117 100

119 93.8 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: 1.020 ug/L

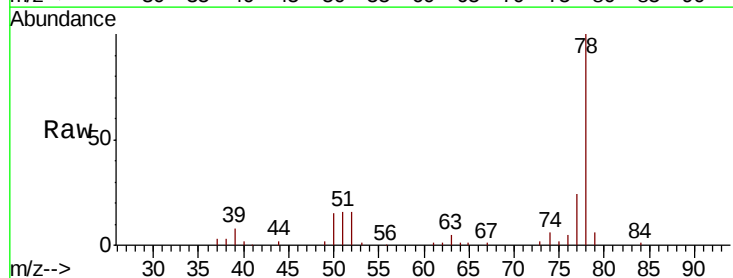
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

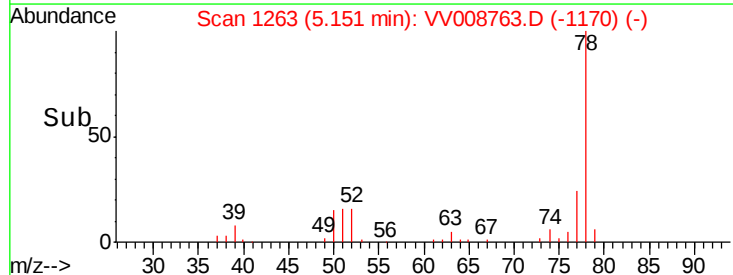
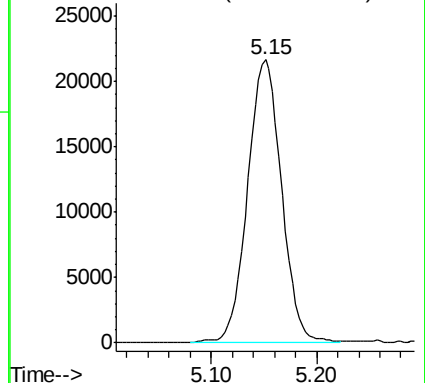
Lab File: VV008763.D

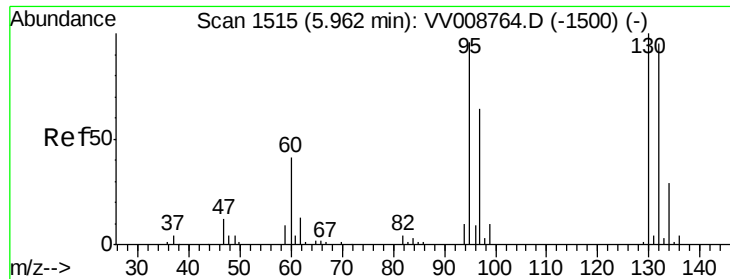
Acq: 29 Nov 2018 14:54

Tgt Ion: 78 Resp: 48669



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.022 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00164

Tgt Ion: 95 Resp: 13379

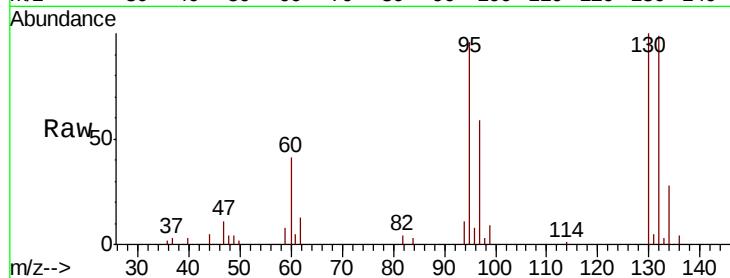
Ion Ratio Lower Upper

95 100

97 61.4 46.5 86.3

132 103.7 69.4 128.8

130 104.5 73.1 135.8

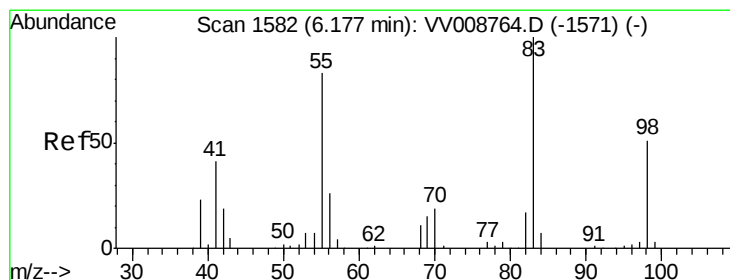
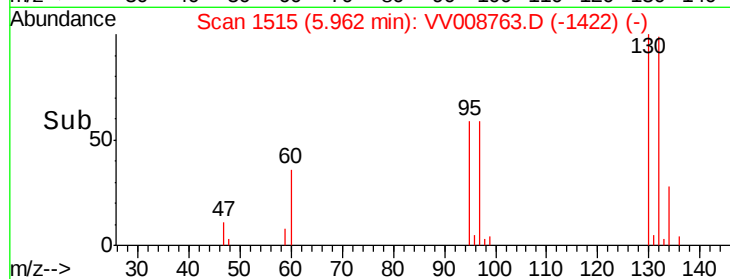
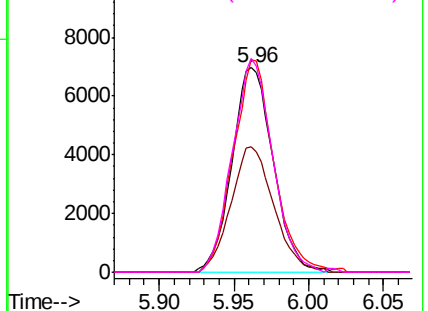


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.960 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

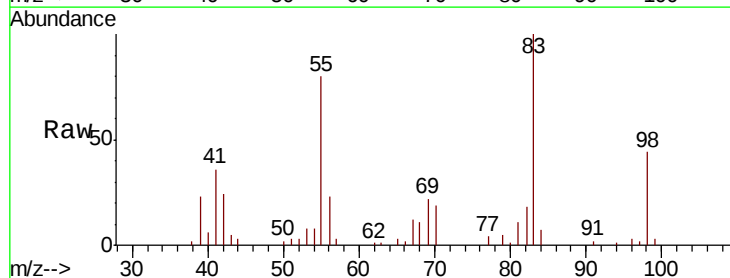
Tgt Ion: 83 Resp: 20029

Ion Ratio Lower Upper

83 100

55 78.0 60.1 90.1

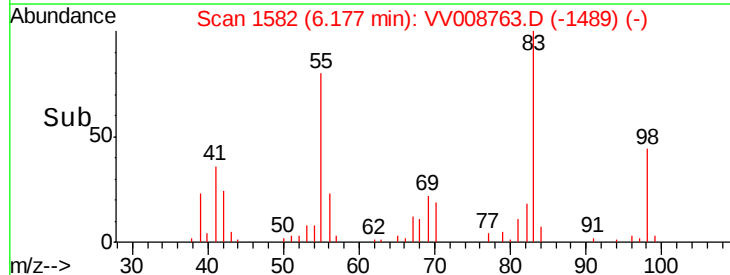
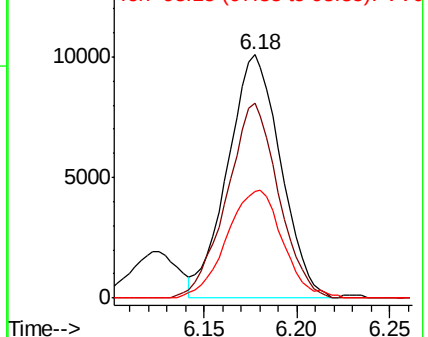
98 46.7 37.4 56.2

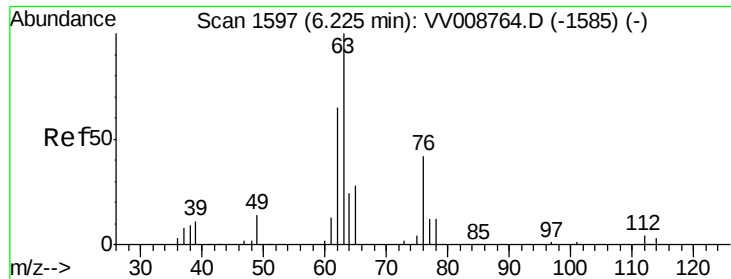


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

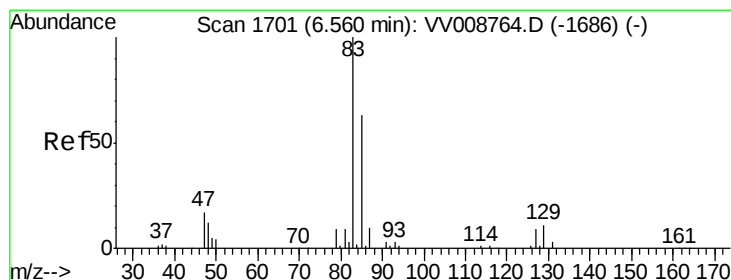
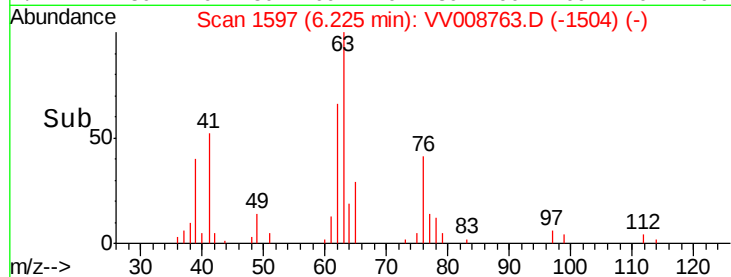
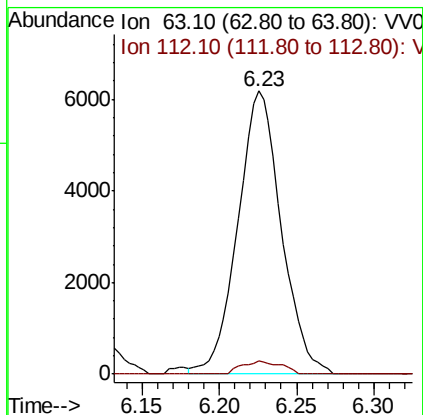
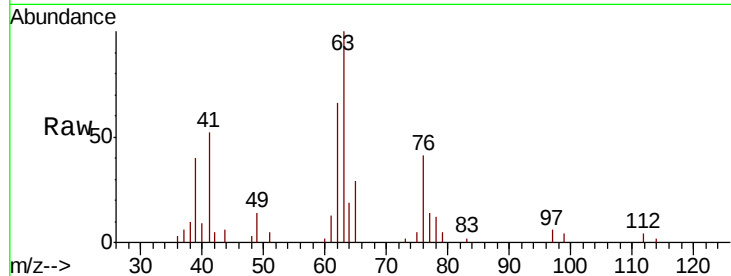




#37
 1,2-Dichloropropane
 Concen: 1.024 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

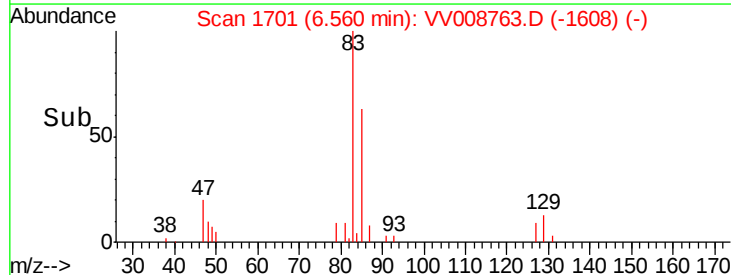
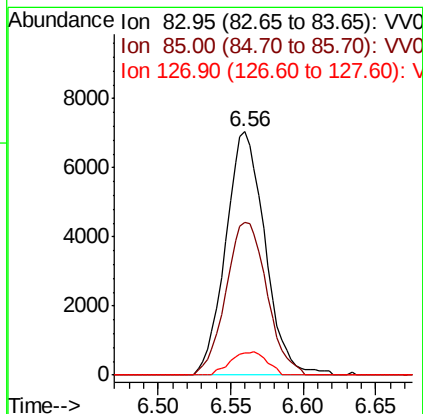
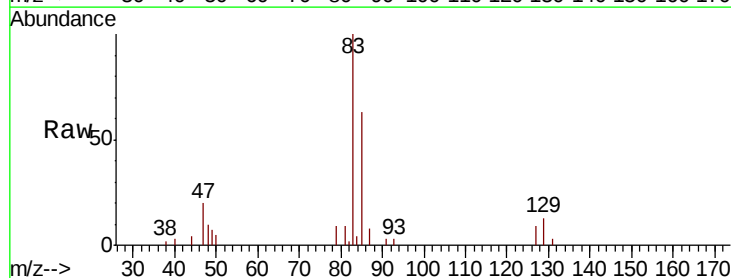
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00164

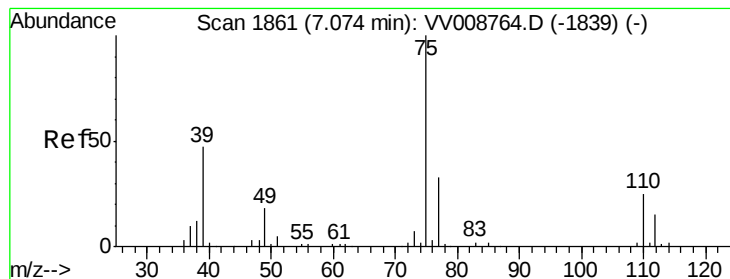
Tgt Ion: 63 Resp: 12083
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 0.984 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Tgt Ion: 83 Resp: 13245
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.4 82.4
 127 9.0 6.9 10.3



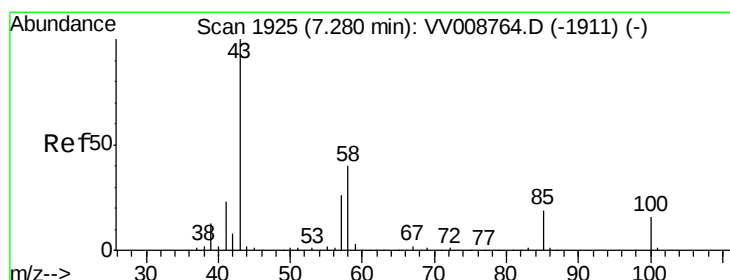
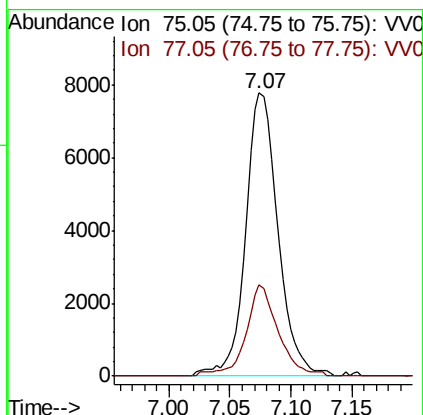
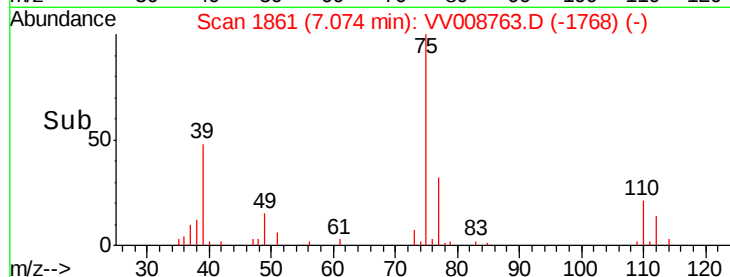
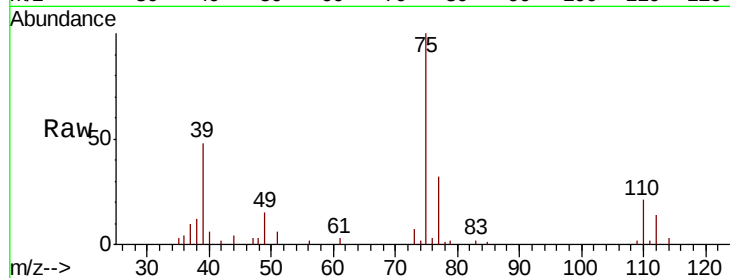


#39

cis-1,3-Dichloropropene
Concen: 0.902 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008763.D
Acq: 29 Nov 2018 14:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00164

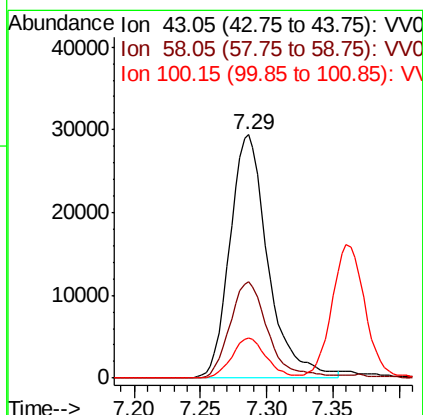
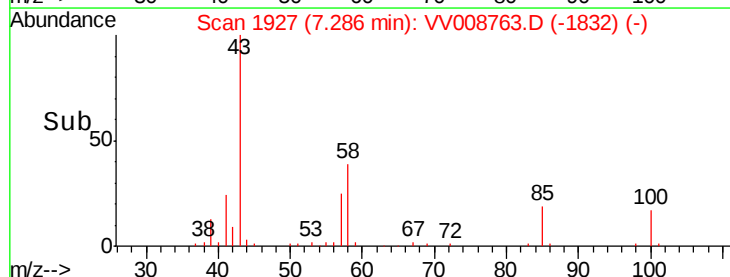
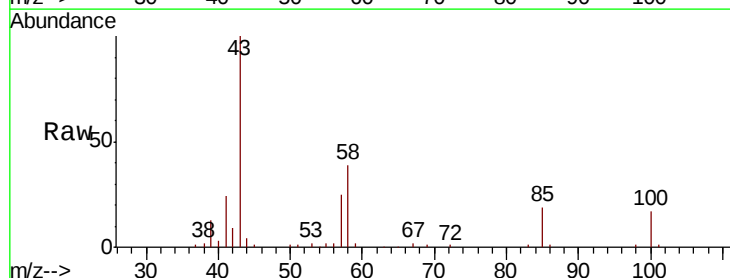
Tgt Ion: 75 Resp: 14195
Ion Ratio Lower Upper
75 100
77 32.5 22.8 42.4

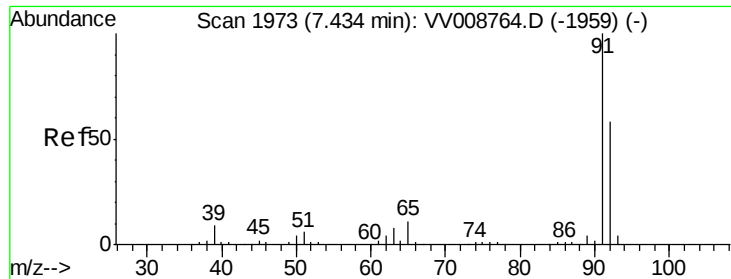


#40

4-Methyl-2-pentanone
Concen: 9.506 ug/L
RT: 7.29 min Scan# 1927
Delta R.T. 0.01 min
Lab File: VV008763.D
Acq: 29 Nov 2018 14:54

Tgt Ion: 43 Resp: 58906
Ion Ratio Lower Upper
43 100
58 39.5 31.3 46.9
100 15.0 12.6 19.0





#42

Toluene

Concen: 1.021 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

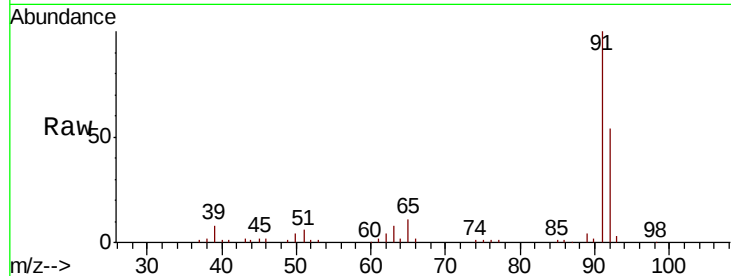
VSTD00164

Tgt Ion: 91 Resp: 50377

Ion Ratio Lower Upper

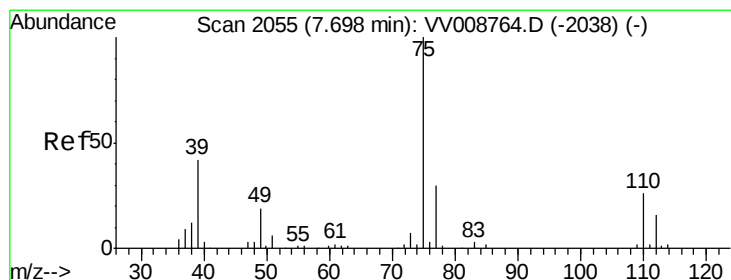
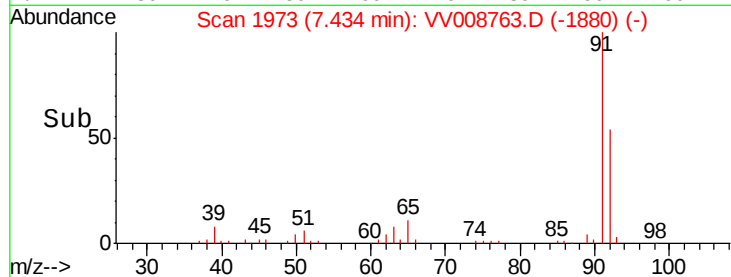
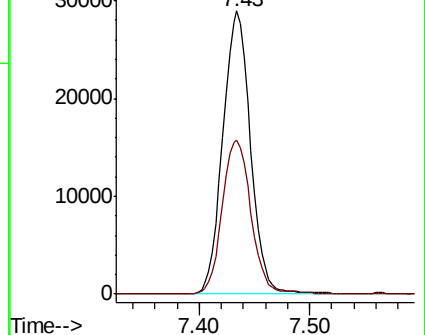
91 100

92 54.3 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: 0.907 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008763.D

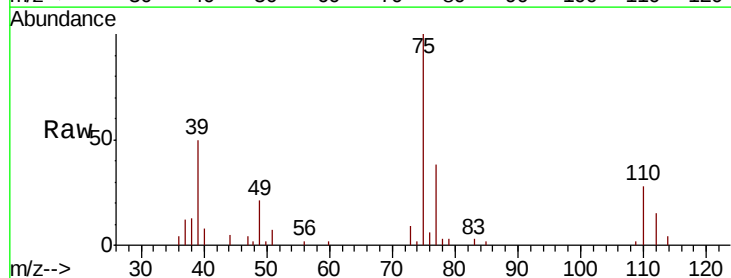
Acq: 29 Nov 2018 14:54

Tgt Ion: 75 Resp: 11166

Ion Ratio Lower Upper

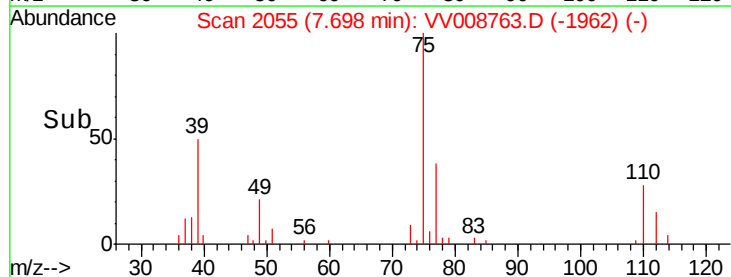
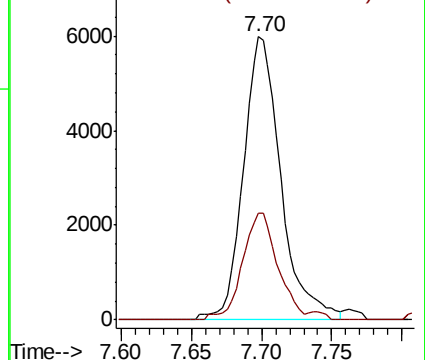
75 100

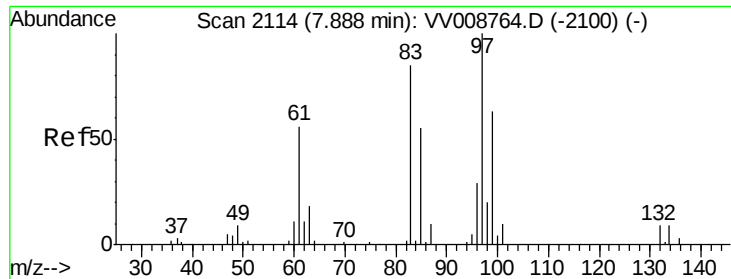
77 37.7 21.3 39.5



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

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

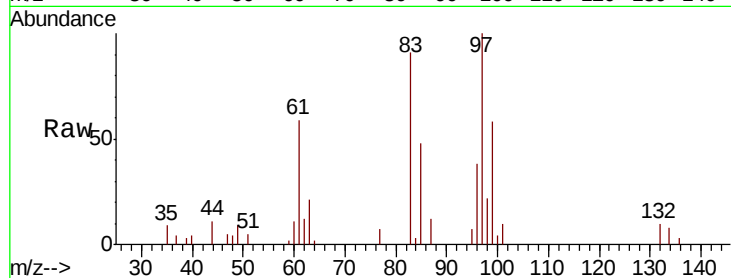




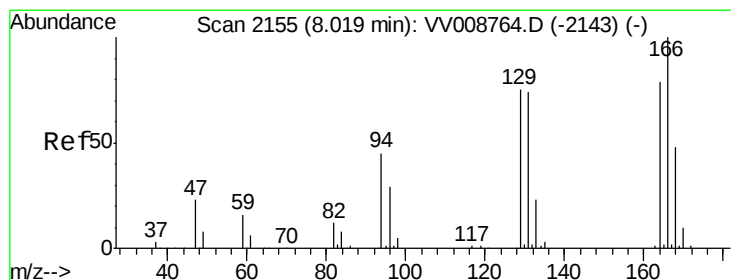
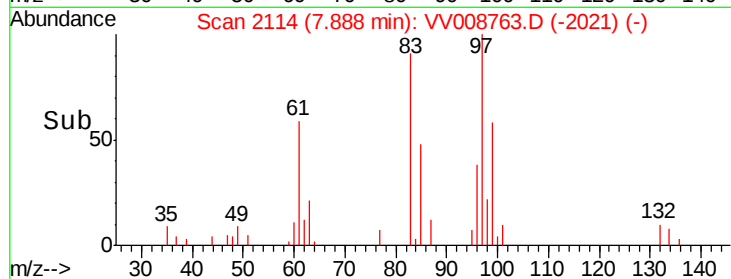
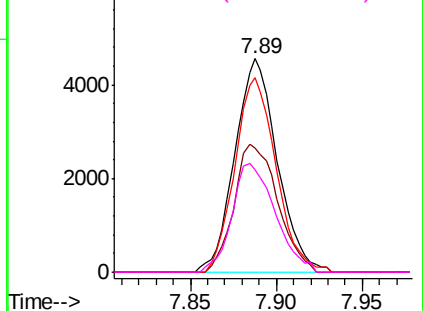
#45
 1,1,2-Trichloroethane
 Concen: 0.986 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00164

Tgt Ion:	97	Resp:	7804
Ion	Ratio	Lower	Upper
97	100		
99	57.9	44.2	82.2
83	91.0	59.6	110.6
85	48.2	38.8	72.0

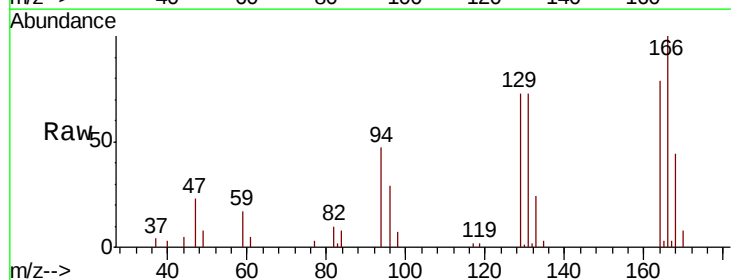


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

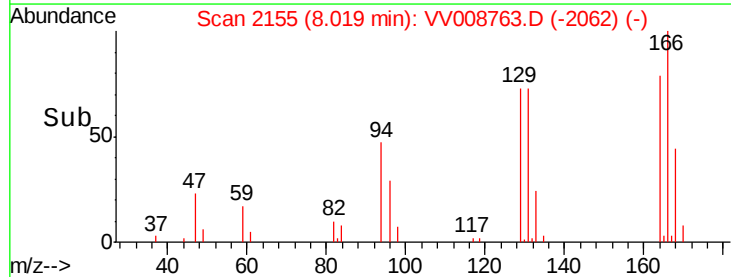
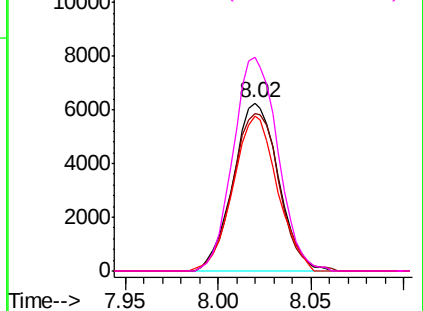


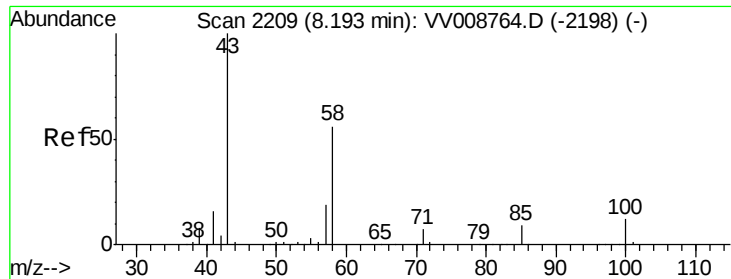
#47
 Tetrachloroethene
 Concen: 1.073 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Tgt Ion:	164	Resp:	10626
Ion	Ratio	Lower	Upper
164	100		
129	93.5	67.5	125.3
131	92.6	65.9	122.5
166	127.4	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

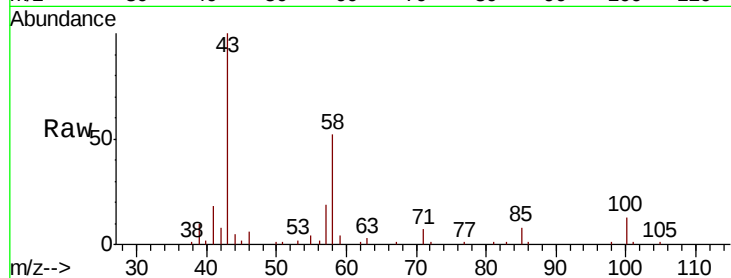




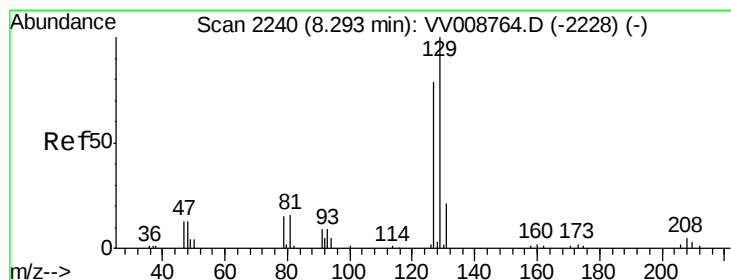
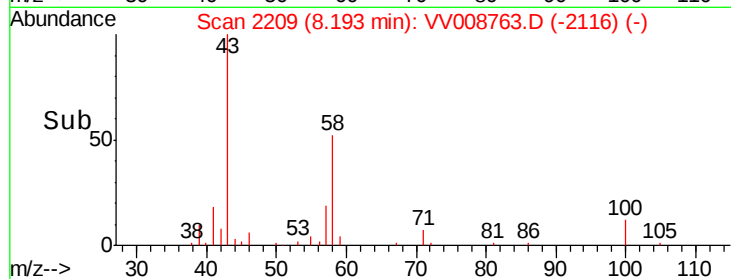
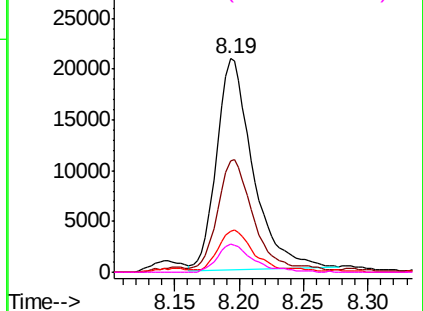
#48
2-Hexanone
Concen: 9.406 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008763.D
Acq: 29 Nov 2018 14:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00164

Tgt Ion:	43	Resp:	40586
Ion	Ratio	Lower	Upper
43	100		
58	51.6	44.5	66.7
57	17.6	15.2	22.8
100	13.1	9.6	14.4

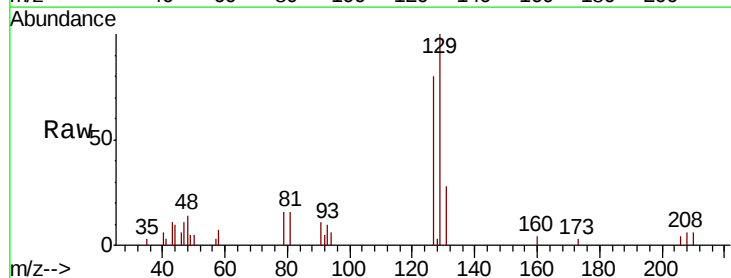


Abundance Ion 43.05 (42.75 to 43.75): VV008763.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV008763.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV008763.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV008763.D (-2198) (-)

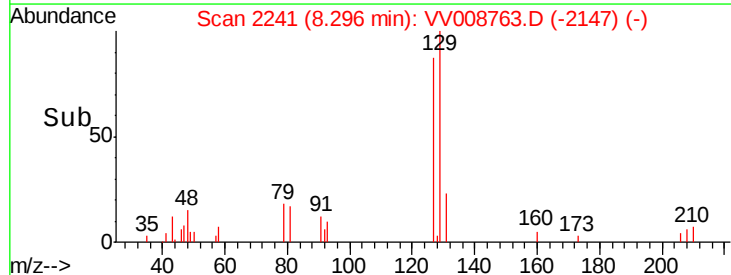
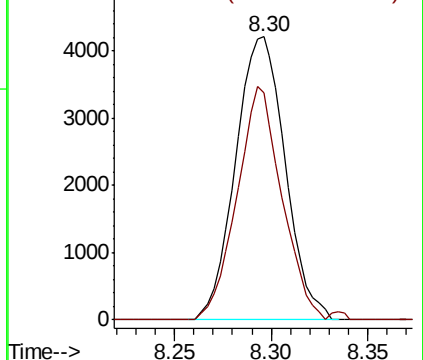


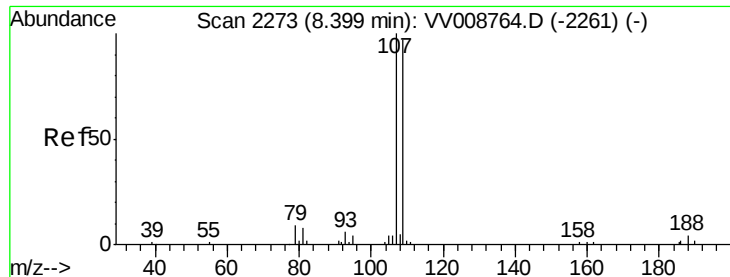
#49
Dibromochloromethane
Concen: 0.896 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008763.D
Acq: 29 Nov 2018 14:54

Tgt Ion:	129	Resp:	7517
Ion	Ratio	Lower	Upper
129	100		
127	80.2	55.3	102.7



Abundance Ion 128.95 (128.65 to 129.65): VV008763.D (-2240) (-)
Ion 126.90 (126.60 to 127.60): VV008763.D (-2240) (-)

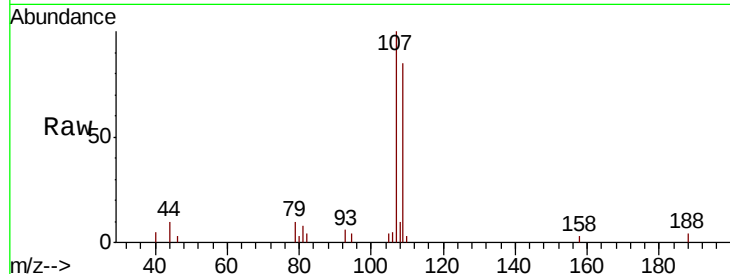




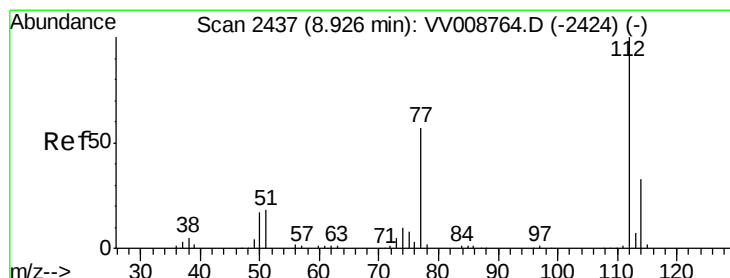
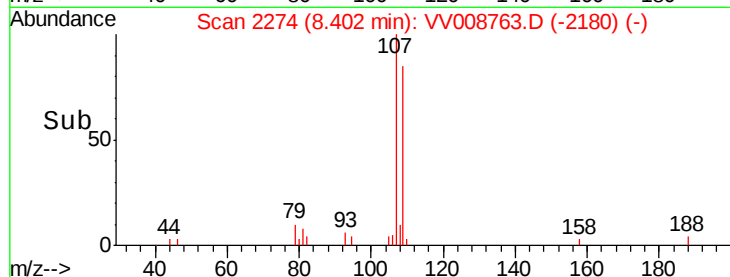
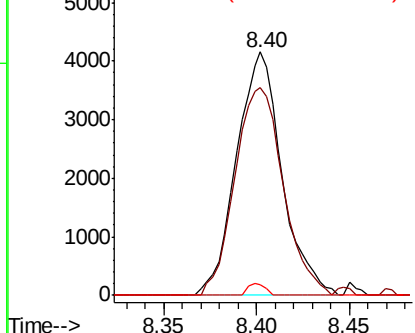
#50
1,2-Dibromoethane
Concen: 0.997 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008763.D
Acq: 29 Nov 2018 14:54

Instrument :
MSVOA_V
ClientSampled :
VSTD00164

Tgt Ion:107 Resp: 7085
Ion Ratio Lower Upper
107 100
109 85.2 67.8 126.0
188 4.3 3.1 4.7

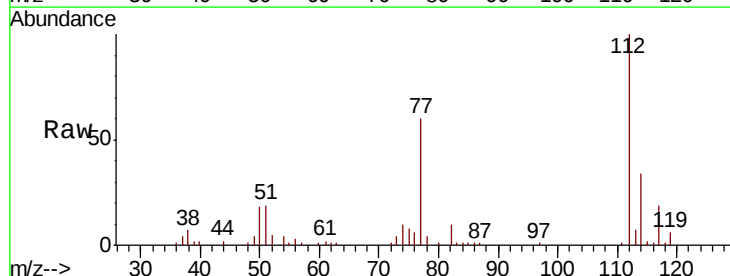


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

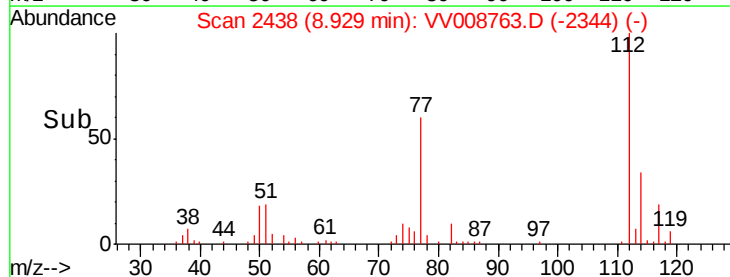
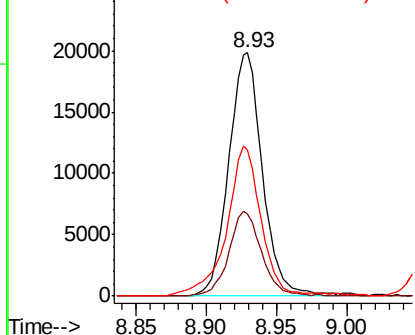


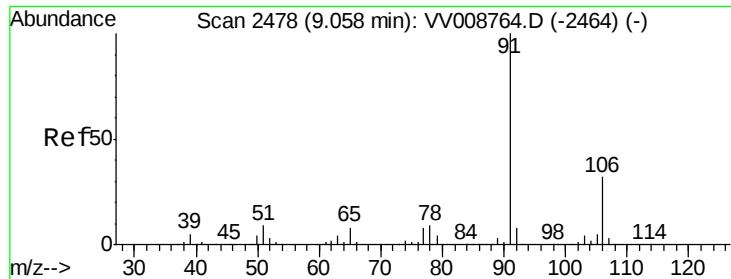
#51
Chlorobenzene
Concen: 0.931 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008763.D
Acq: 29 Nov 2018 14:54

Tgt Ion:112 Resp: 33182
Ion Ratio Lower Upper
112 100
114 33.9 22.8 42.4
77 60.0 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: 0.983 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

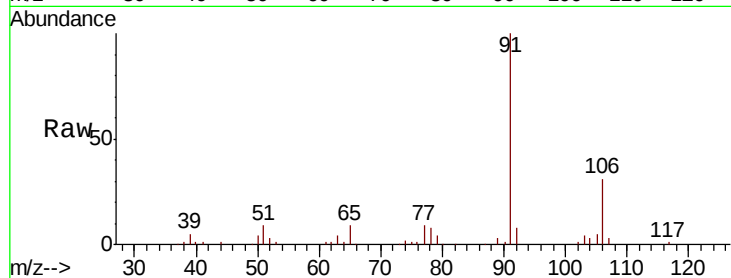
VSTD00164

Tgt Ion: 91 Resp: 52749

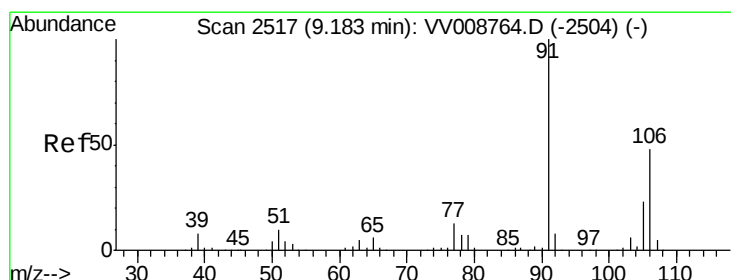
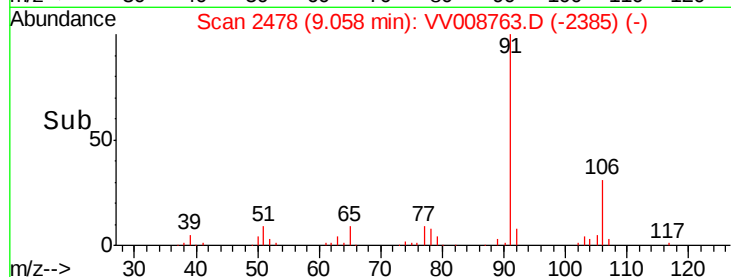
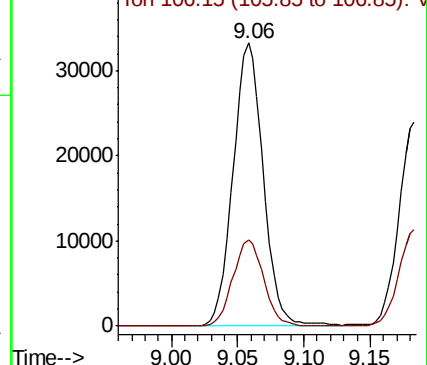
Ion Ratio Lower Upper

91 100

106 30.7 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV008763.D (-2464) (-)



#53

m,p-xylene

Concen: 0.959 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008763.D

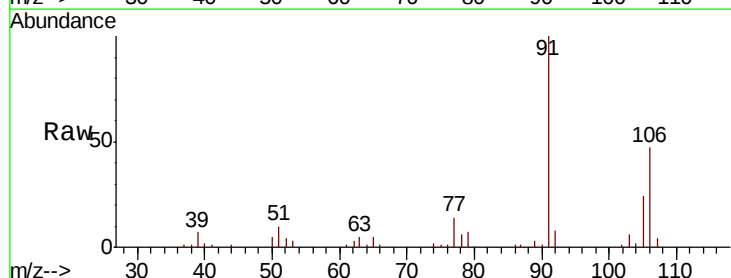
Acq: 29 Nov 2018 14:54

Tgt Ion: 106 Resp: 19316

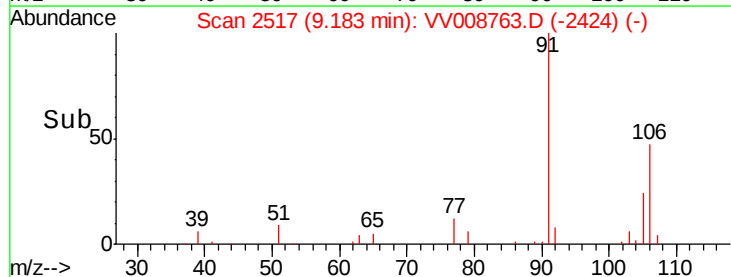
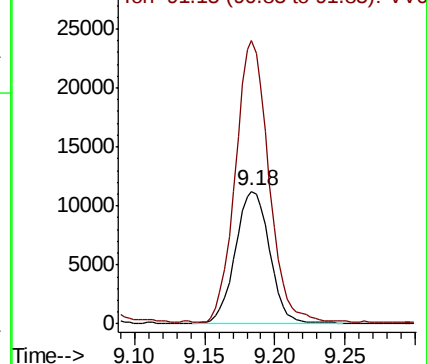
Ion Ratio Lower Upper

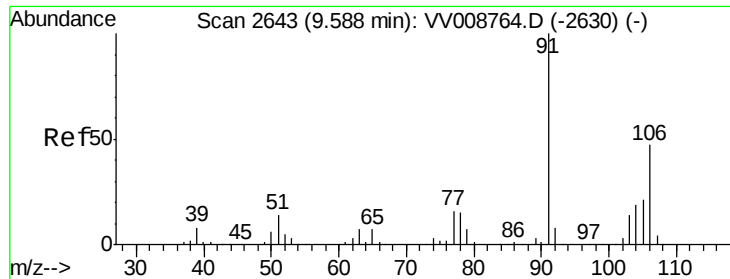
106 100

91 212.9 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV008763.D (-2504) (-)





#54

o-xylene

Concen: 0.956 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

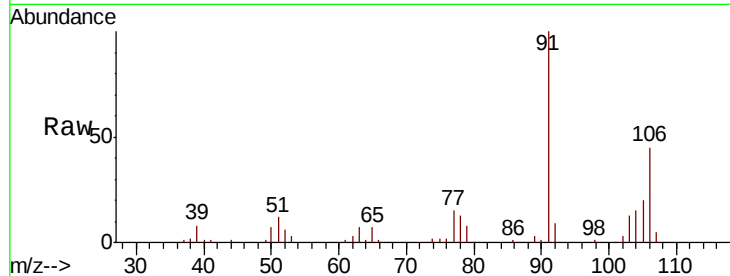
VSTD00164

Tgt Ion:106 Resp: 18634

Ion Ratio Lower Upper

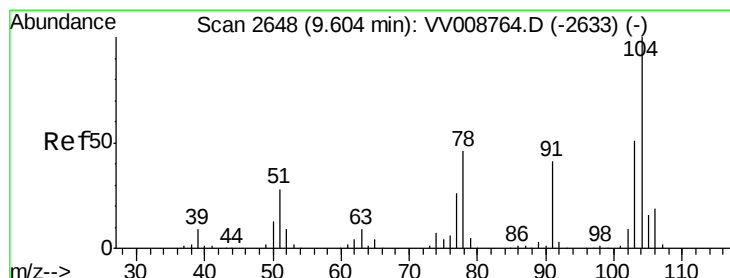
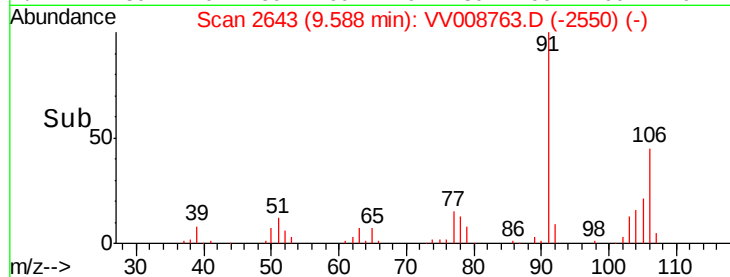
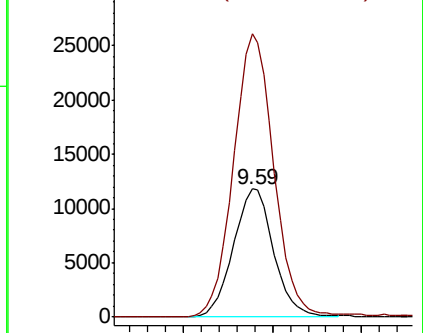
106 100

91 221.2 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.953 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV008763.D

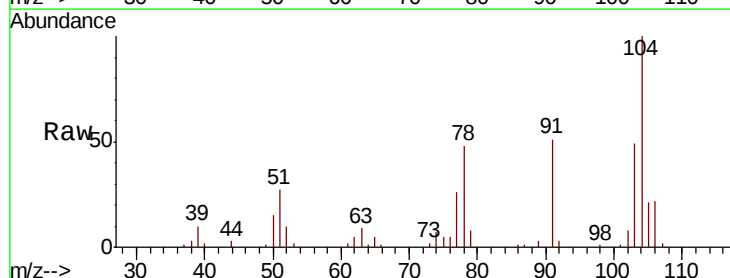
Acq: 29 Nov 2018 14:54

Tgt Ion:104 Resp: 30471

Ion Ratio Lower Upper

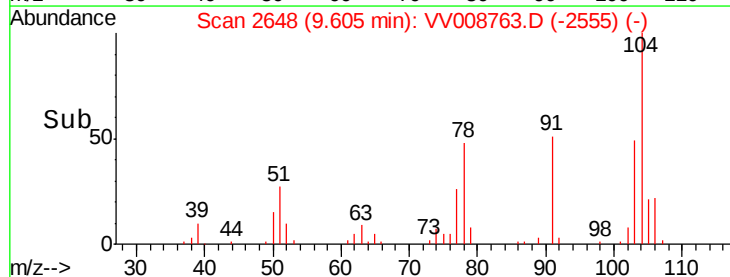
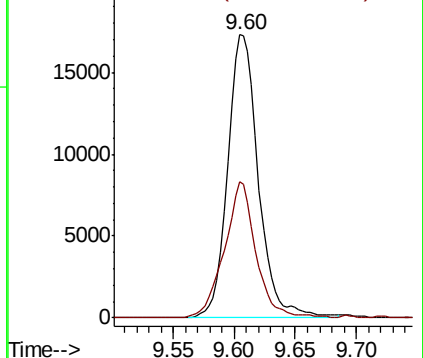
104 100

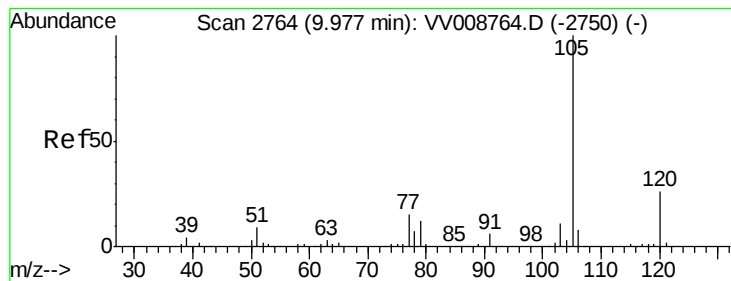
78 48.0 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.981 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00164

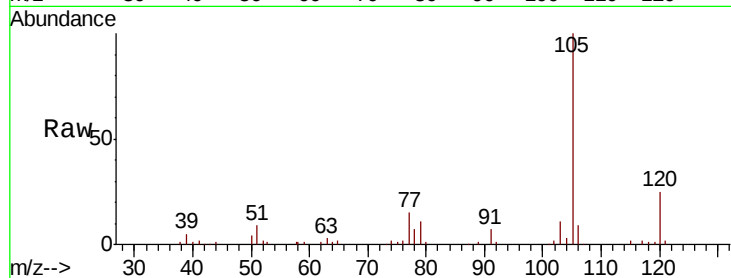
Tgt Ion: 105 Resp: 50873

Ion Ratio Lower Upper

105 100

120 25.2 21.5 32.3

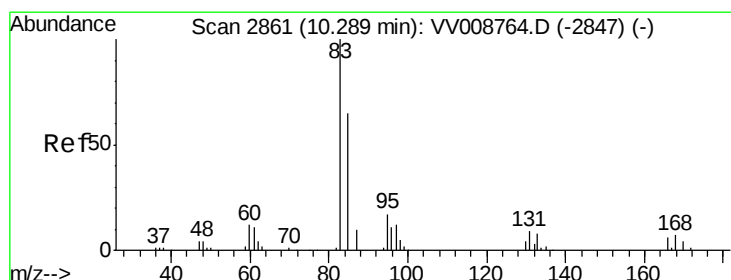
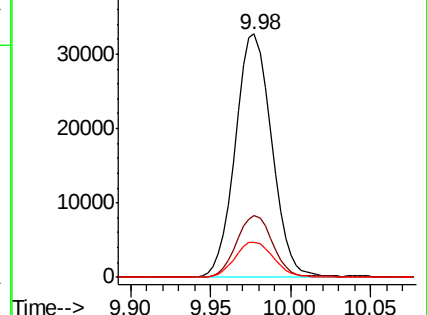
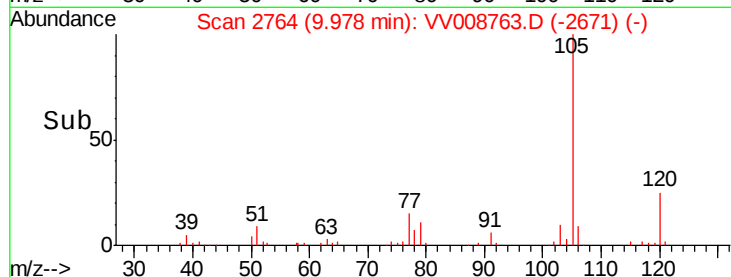
77 15.2 12.2 18.4



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: 0.925 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

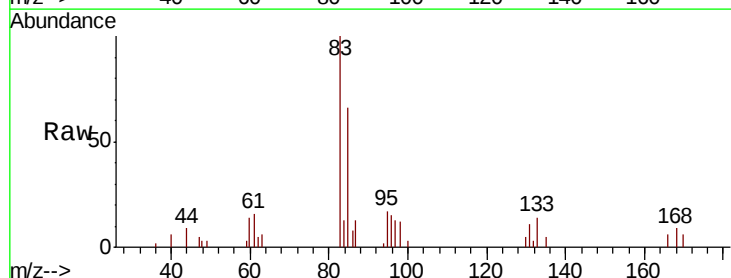
Tgt Ion: 83 Resp: 7813

Ion Ratio Lower Upper

83 100

85 66.0 45.6 84.8

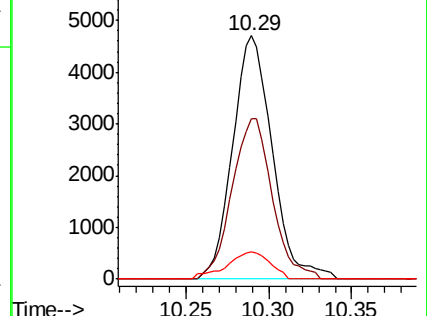
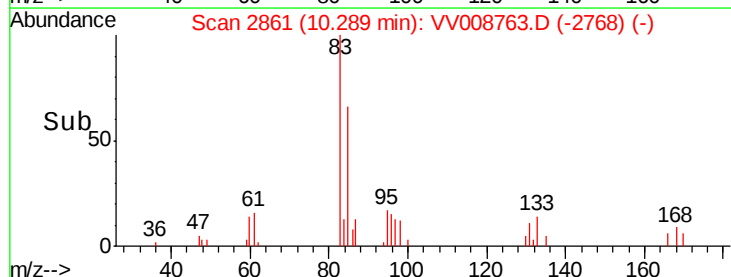
131 11.3 7.3 10.9#

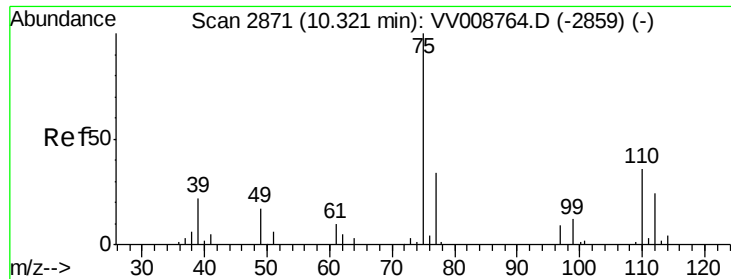


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.988 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

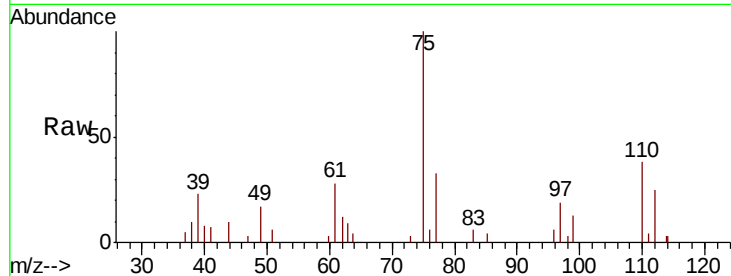
VSTD00164

Tgt Ion: 75 Resp: 6621

Ion Ratio Lower Upper

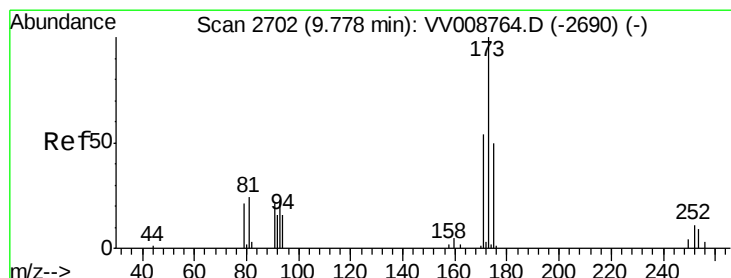
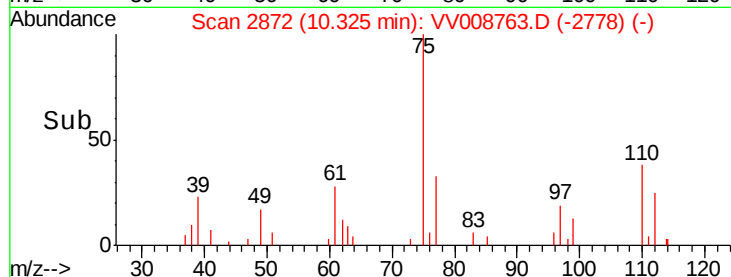
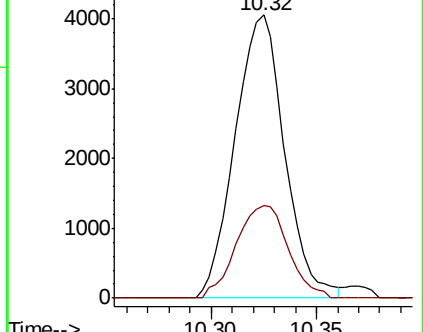
75 100

77 34.3 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) (-)



#61

Bromoform

Concen: 0.932 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

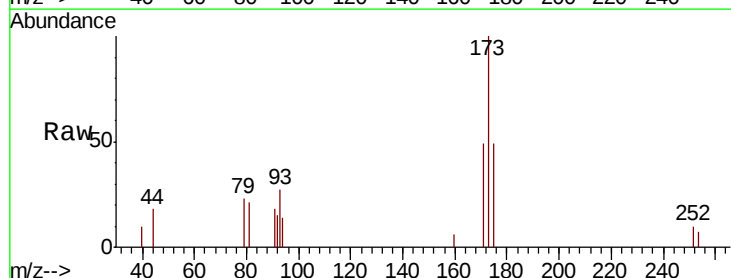
Tgt Ion: 173 Resp: 3602

Ion Ratio Lower Upper

173 100

175 47.7 39.6 59.4

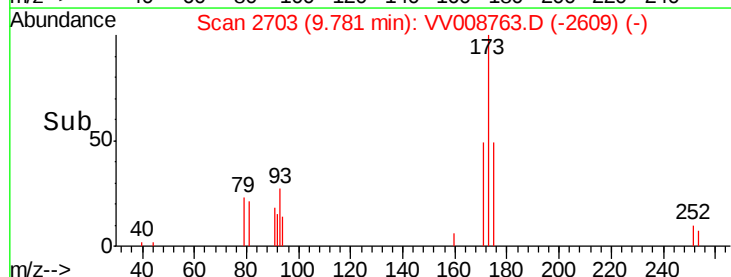
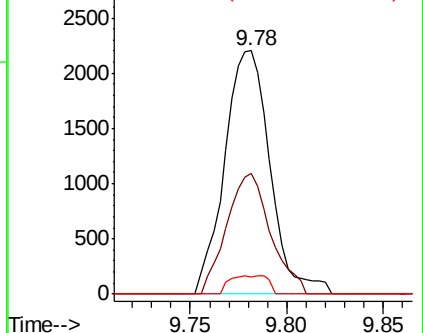
254 6.5 6.9 10.3#

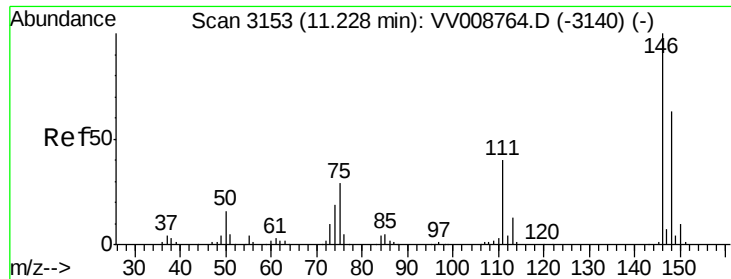


Abundance Ion 172.90 (172.60 to 173.60): VV008764.D (-2690) (-)

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

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





#62

1,3-Dichlorobenzene

Concen: 1.056 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00164

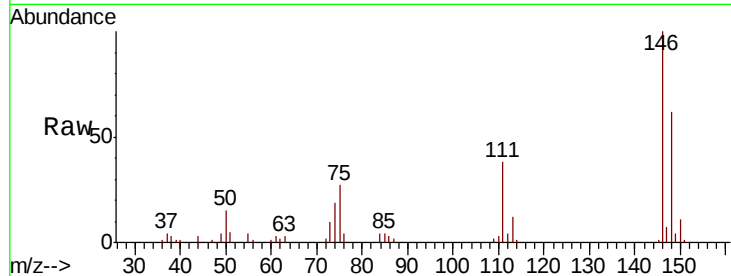
Tgt Ion:146 Resp: 24390

Ion Ratio Lower Upper

146 100

111 38.2 28.1 52.1

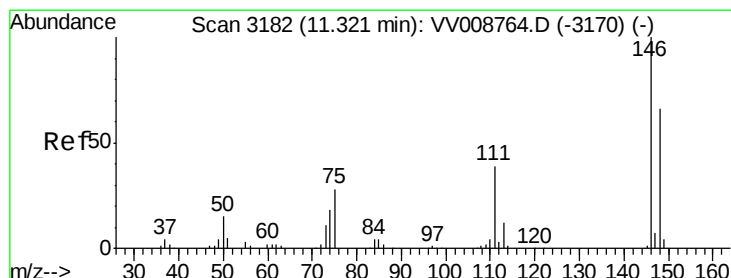
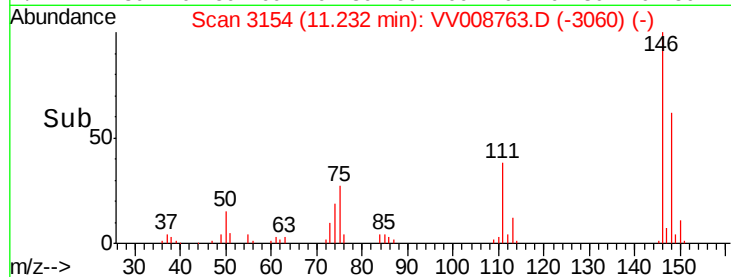
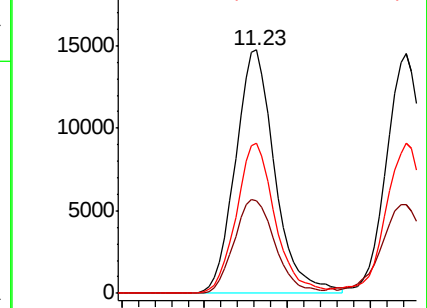
148 61.6 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.986 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

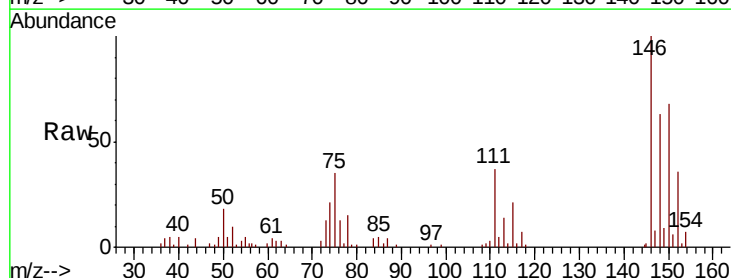
Tgt Ion:146 Resp: 24392

Ion Ratio Lower Upper

146 100

111 36.9 27.6 51.4

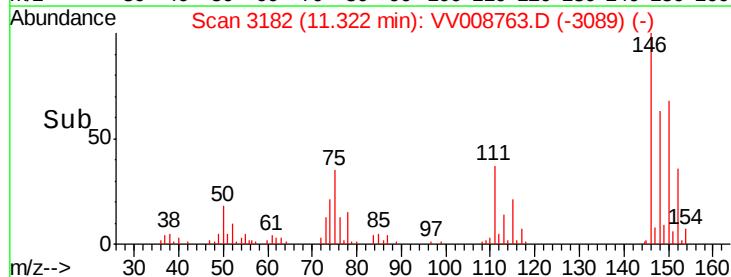
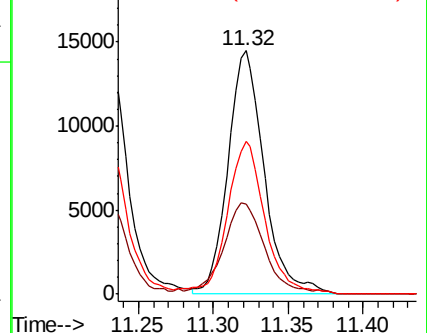
148 62.7 46.5 86.3

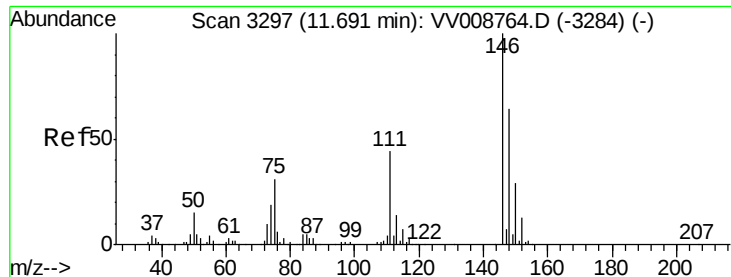


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

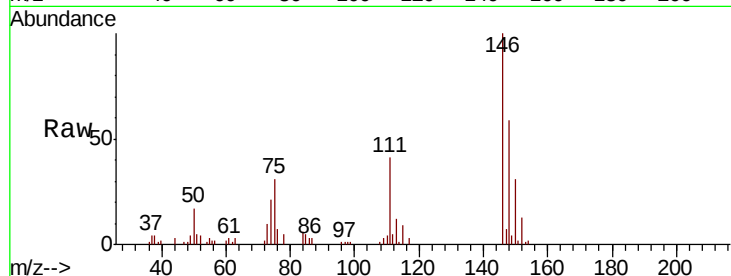




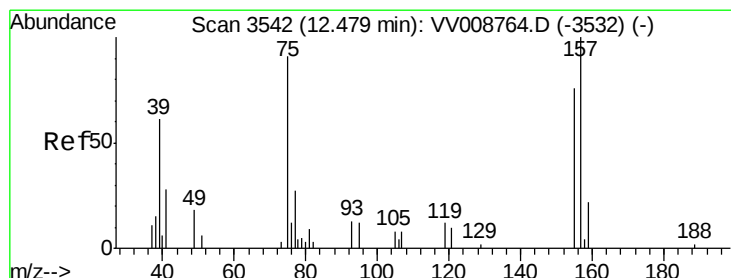
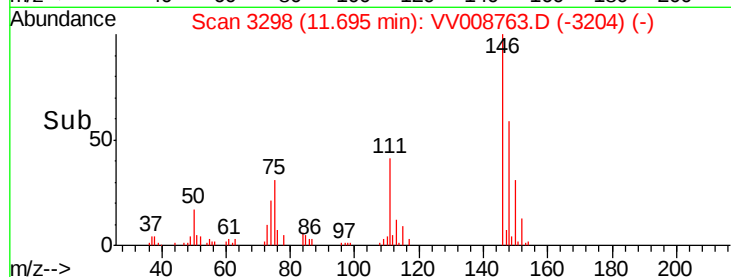
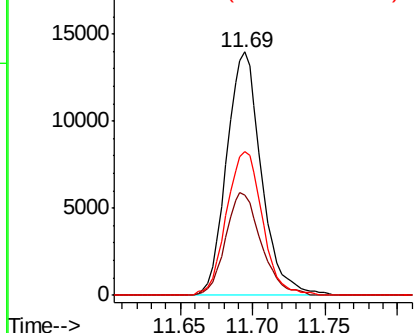
#65
 1,2-Dichlorobenzene
 Concen: 1.010 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00164

Tgt Ion:146 Resp: 23232
 Ion Ratio Lower Upper
 146 100
 111 41.4 34.8 52.2
 148 59.3 51.1 76.7

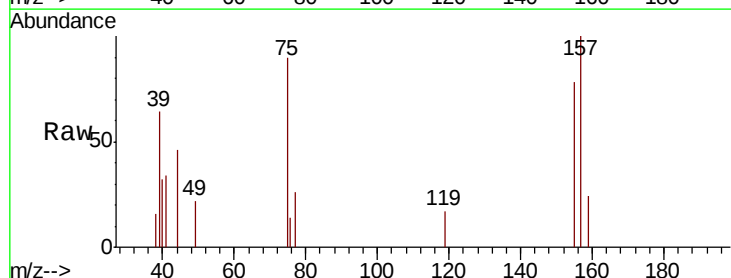


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

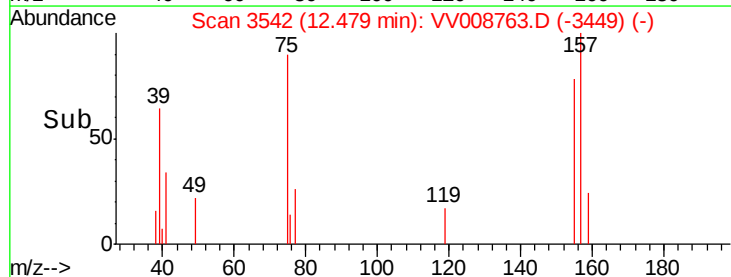
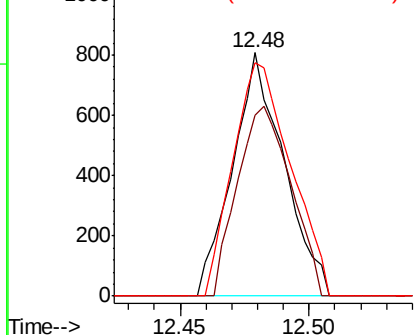


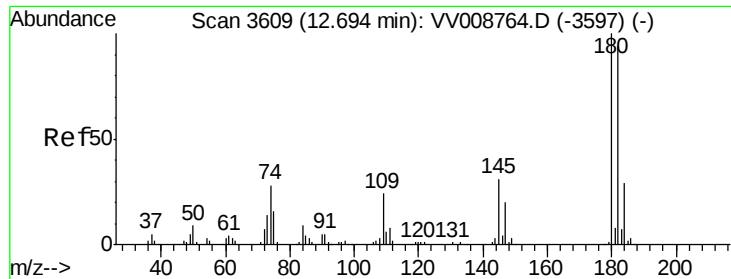
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.986 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Tgt Ion: 75 Resp: 1117
 Ion Ratio Lower Upper
 75 100
 155 74.5 66.7 100.1
 157 96.0 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

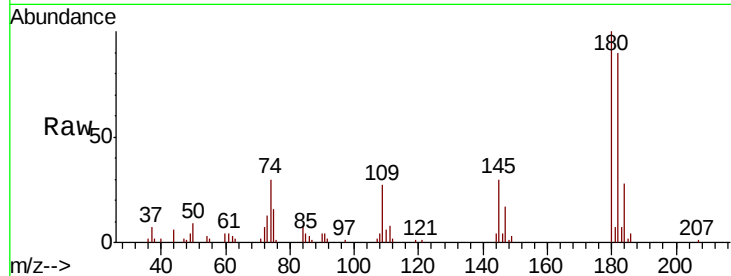




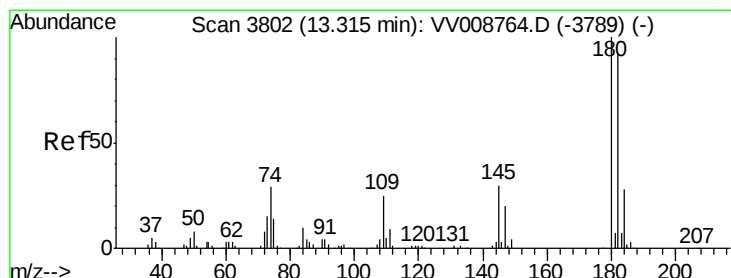
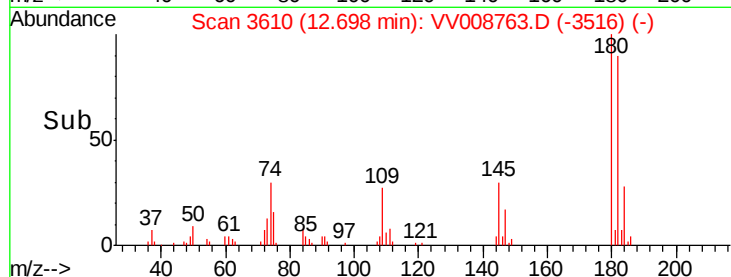
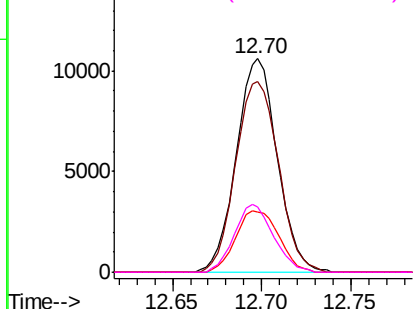
#67
 1,3,5-Trichlorobenzene
 Concen: 1.007 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00164

Tgt Ion:180 Resp: 17024
 Ion Ratio Lower Upper
 180 100
 182 93.4 74.7 112.1
 184 30.3 23.3 34.9
 145 30.2 24.2 36.4

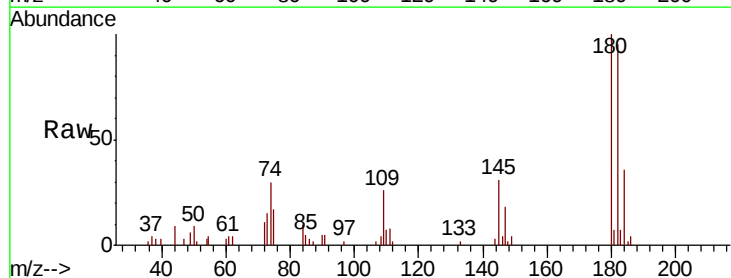


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

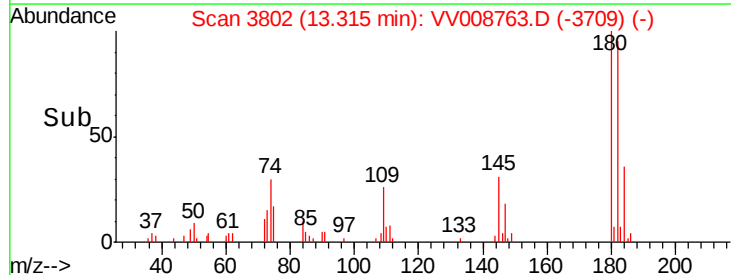
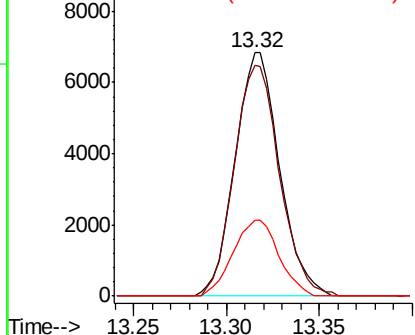


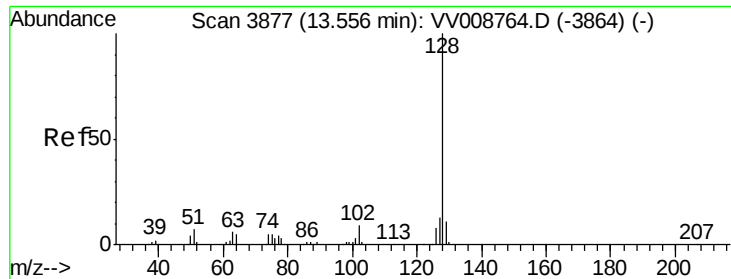
#68
 1,2,4-trichlorobenzene
 Concen: 0.911 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008763.D
 Acq: 29 Nov 2018 14:54

Tgt Ion:180 Resp: 11380
 Ion Ratio Lower Upper
 180 100
 182 96.4 74.2 111.4
 145 31.9 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: 0.843 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

Instrument :

MSVOA_V

ClientSampled :

VSTD00164

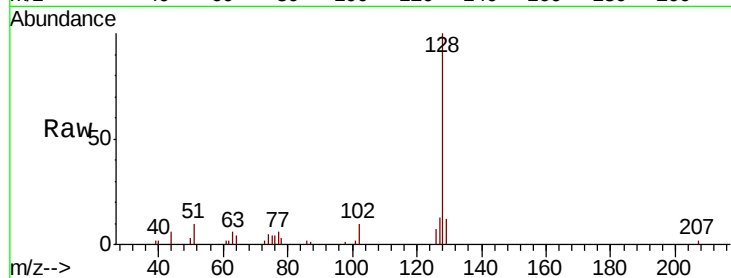
Tgt Ion:128 Resp: 15309

Ion Ratio Lower Upper

128 100

129 10.0 8.6 12.8

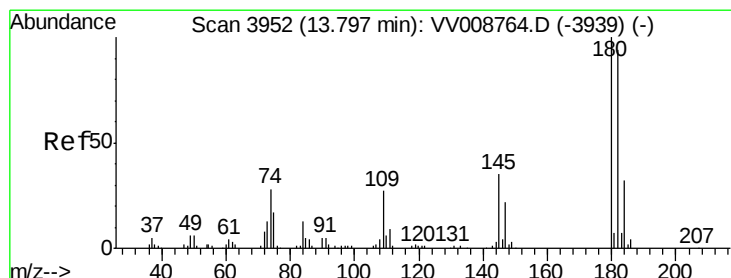
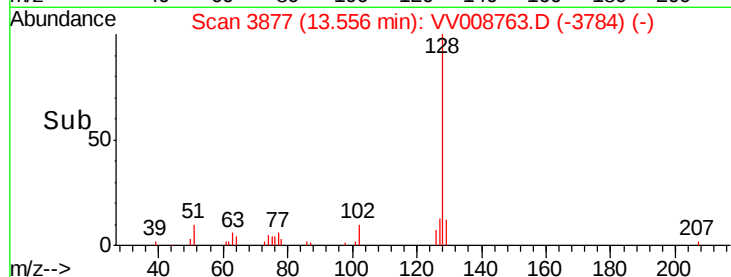
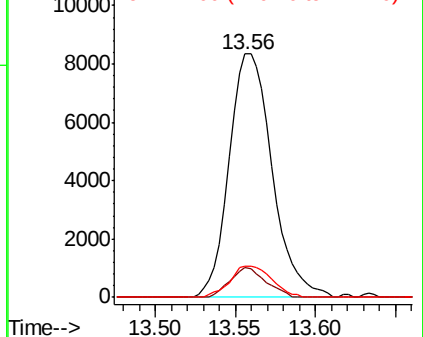
127 12.4 10.1 15.1



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: 1.024 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008763.D

Acq: 29 Nov 2018 14:54

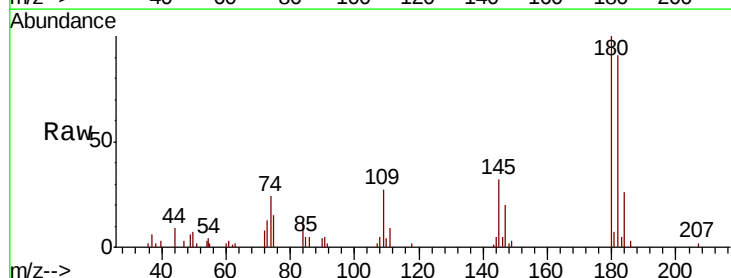
Tgt Ion:180 Resp: 11542

Ion Ratio Lower Upper

180 100

182 92.7 76.2 114.4

145 31.9 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

