

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
 Data File : VV008764.D
 Acq On : 29 Nov 2018 15:19
 Operator : SY/MD
 Sample : VSTD00565
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Quant Time: Nov 30 04:38:14 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	175532	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	162975	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77483	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55379	5.34	ug/L	0.00
7) Chloroethane-d5	1.59	69	39385	5.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	97472	4.97	ug/L	0.00
20) 2-Butanone-d5	3.97	46	125076	46.29	ug/L	0.00
24) Chloroform-d	4.41	84	109423	4.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	52215	4.64	ug/L	0.00
32) Benzene-d6	5.10	84	228316	4.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	66971	4.54	ug/L	0.00
41) Toluene-d8	7.36	98	215326	4.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	23821	4.63	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	98259	49.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43192	4.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	72695	4.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	77387	5.109	ug/L 100
3) Chloromethane	1.25	50	58102	4.863	ug/L 100
5) Vinyl chloride	1.33	62	59759	4.988	ug/L 100
6) Bromomethane	1.54	94	35905	5.363	ug/L 100
8) Chloroethane	1.60	64	32813	5.499	ug/L 100
9) Trichlorofluoromethane	1.78	101	86855	5.221	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	49971	5.093	ug/L 100
12) 1,1-Dichloroethene	2.14	96	43661	4.996	ug/L 100
13) Acetone	2.23	43	69130	50.673	ug/L 100
14) Carbon disulfide	2.32	76	124401	4.711	ug/L 100
15) Methyl Acetate	2.48	43	16359	4.625	ug/L 100
16) Methylene chloride	2.54	84	44165	4.558	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	106145	5.109	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	46401	4.946	ug/L 100
19) 1,1-Dichloroethane	3.23	63	109998	5.166	ug/L 100
21) 2-Butanone	4.05	43	138830	50.158	ug/L 100
22) cis-1,2-Dichloroethene	3.97	96	66979	5.108	ug/L 100
23) Bromochloromethane	4.31	128	27769	5.134	ug/L 100
25) Chloroform	4.43	83	111677	4.930	ug/L 100
27) 1,2-Dichloroethane	5.19	62	65625	5.106	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	95016	5.007	ug/L 100
30) Cyclohexane	4.73	56	99931	4.947	ug/L 100
31) Carbon tetrachloride	4.88	117	82116	5.128	ug/L 100
33) Benzene	5.15	78	246459	4.998	ug/L 100
34) Trichloroethene	5.96	95	67307	4.972	ug/L 100
35) Methylcyclohexane	6.18	83	108870	5.048	ug/L 100
37) 1,2-Dichloropropane	6.23	63	61285	5.023	ug/L 100
38) Bromodichloromethane	6.56	83	69902	5.021	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	81207	4.993	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	324515	50.659	ug/L 100

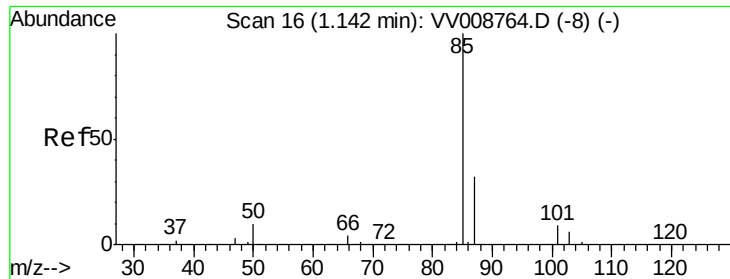
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 30 04:34:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	260216	5.103	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	63469	4.989	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	41119	5.026	ug/L	100
47) Tetrachloroethene	8.02	164	52759	5.153	ug/L	100
48) 2-Hexanone	8.19	43	233580	52.367	ug/L	100
49) Dibromochloromethane	8.29	129	45095	5.201	ug/L	100
50) 1,2-Dibromoethane	8.40	107	37636	5.123	ug/L	100
51) Chlorobenzene	8.93	112	166571	4.519	ug/L	100
52) Ethylbenzene	9.06	91	280285	5.051	ug/L	100
53) m,p-xylene	9.18	106	106969	5.140	ug/L	100
54) o-xylene	9.59	106	105344	5.230	ug/L	100
55) Styrene	9.60	104	173919	5.264	ug/L	100
56) Isopropylbenzene	9.98	105	279791	5.222	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	45125	5.171	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	35129	5.072	ug/L	100
61) Bromoform	9.78	173	21075	5.007	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	127897	5.088	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	126619	4.703	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	119280	4.761	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	6133	4.971	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	97440	5.294	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	74083	5.446	ug/L	100
69) Naphthalene	13.56	128	105046	5.313	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	67070	5.463	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.109 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

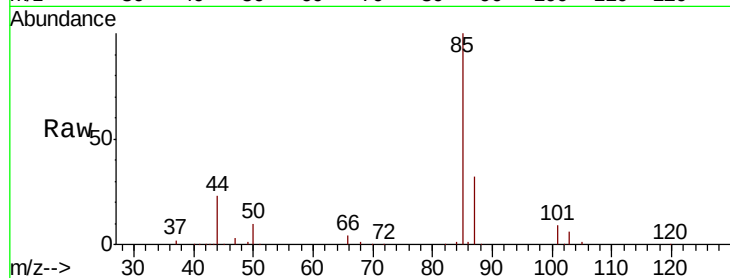
VSTD00565

Tgt Ion: 85 Resp: 77387

Ion Ratio Lower Upper

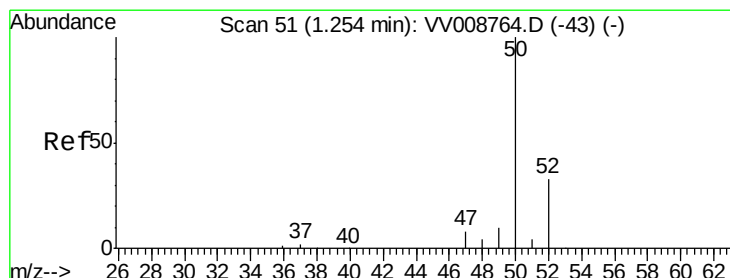
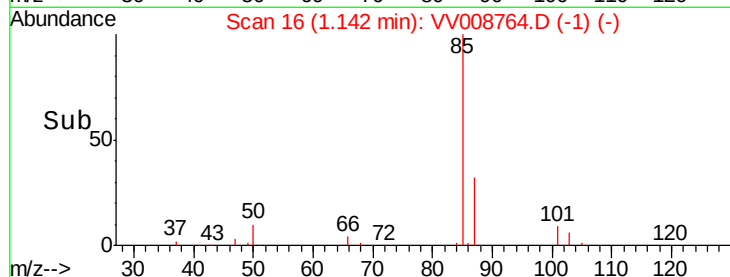
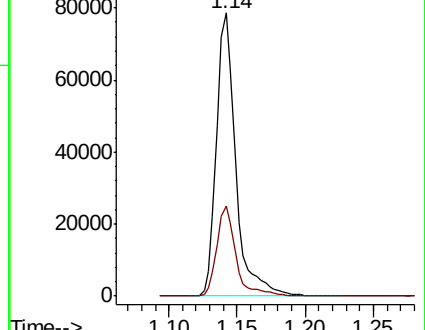
85 100

87 31.7 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: 4.863 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008764.D

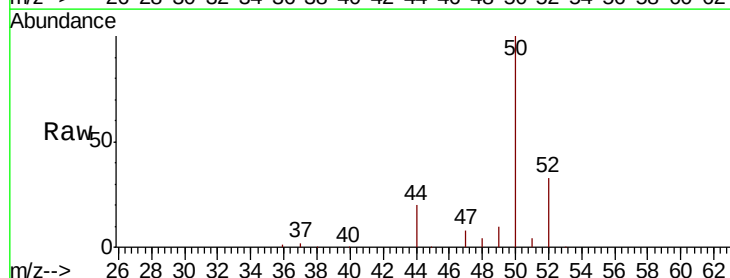
Acq: 29 Nov 2018 15:19

Tgt Ion: 50 Resp: 58102

Ion Ratio Lower Upper

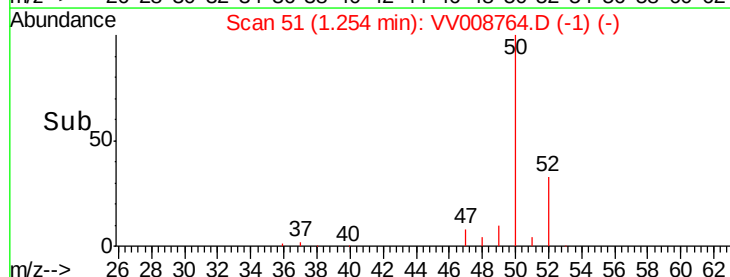
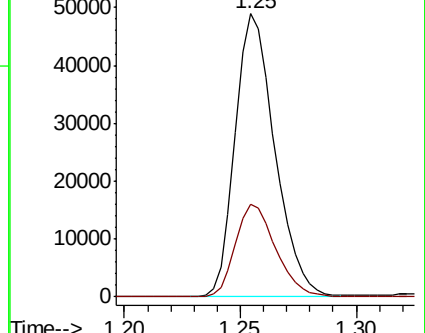
50 100

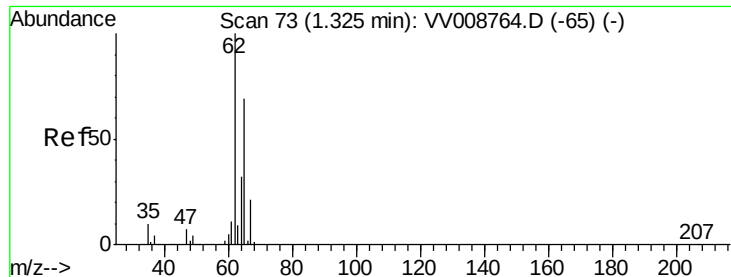
52 32.6 22.8 42.4



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: 4.988 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

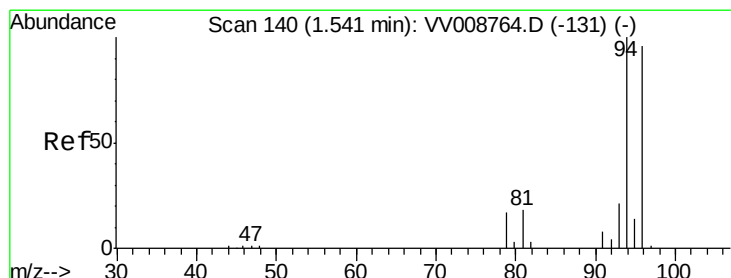
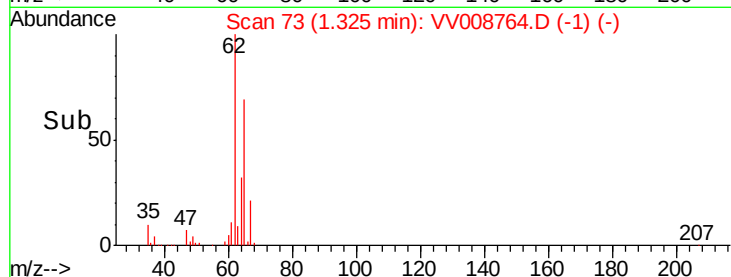
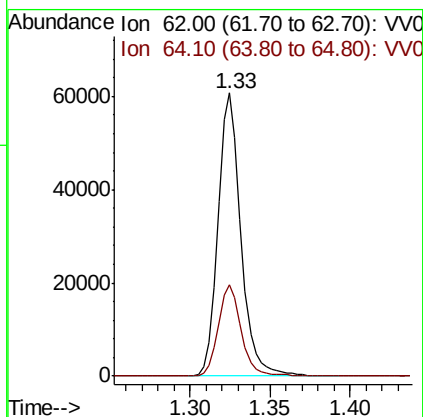
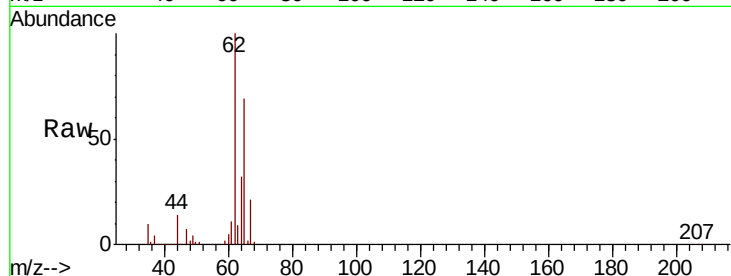
VSTD00565

Tgt Ion: 62 Resp: 59759

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



#6

Bromomethane

Concen: 5.363 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008764.D

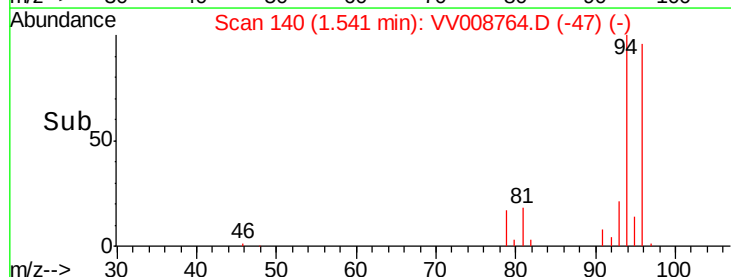
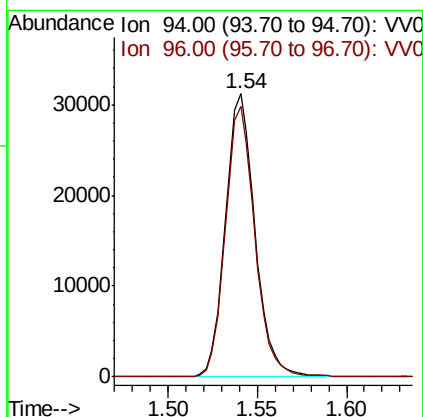
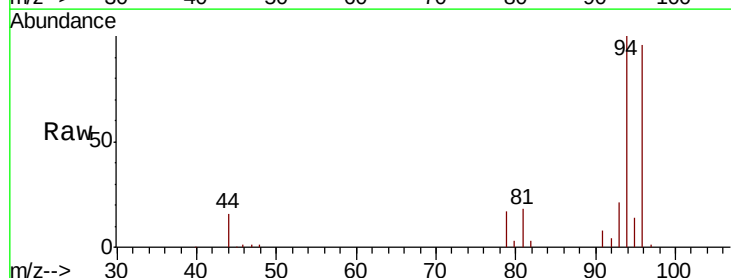
Acq: 29 Nov 2018 15:19

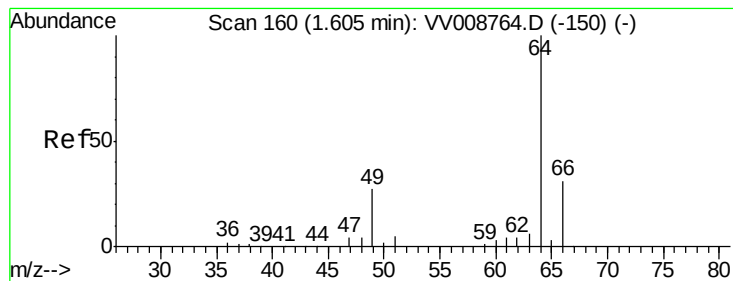
Tgt Ion: 94 Resp: 35905

Ion Ratio Lower Upper

94 100

96 95.7 67.0 124.4





#8

Chloroethane

Concen: 5.499 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

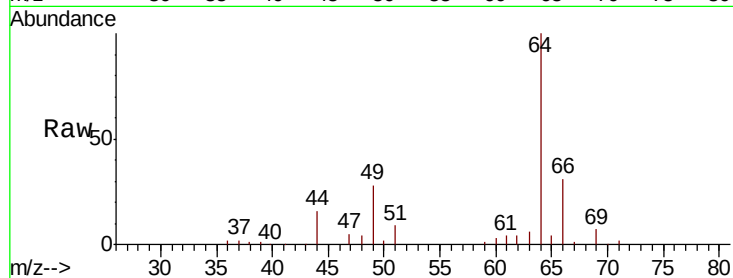
VSTD00565

Tgt Ion: 64 Resp: 32813

Ion Ratio Lower Upper

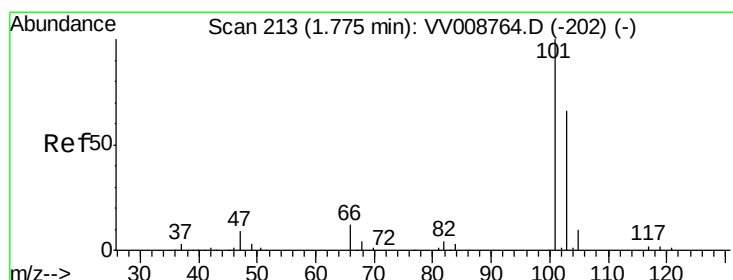
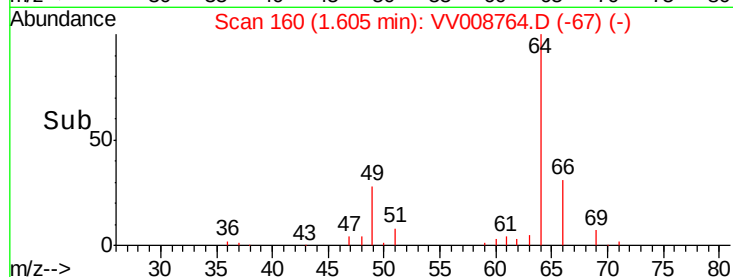
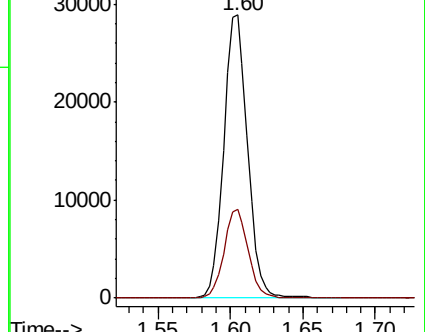
64 100

66 31.2 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: 5.221 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV008764.D

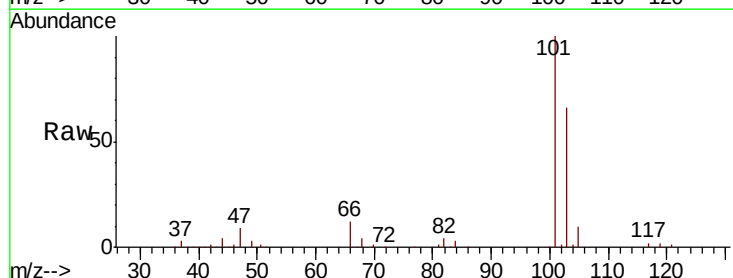
Acq: 29 Nov 2018 15:19

Tgt Ion: 101 Resp: 86855

Ion Ratio Lower Upper

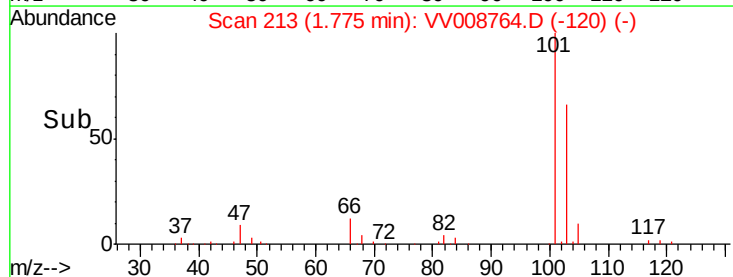
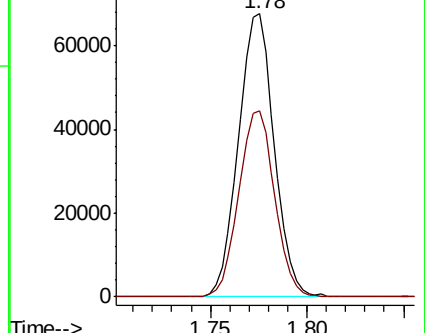
101 100

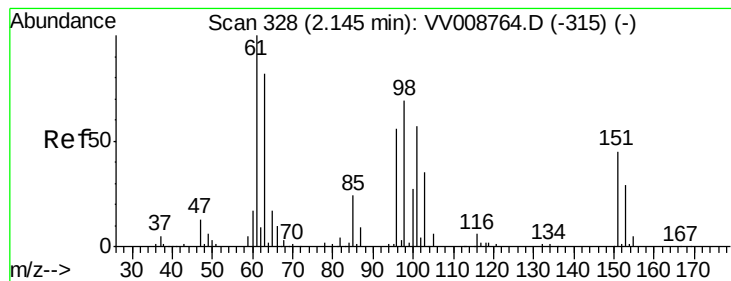
103 65.8 52.6 79.0



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: 5.093 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

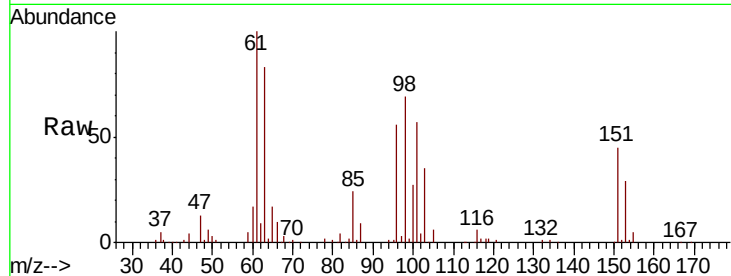
Tgt Ion:101 Resp: 49971

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

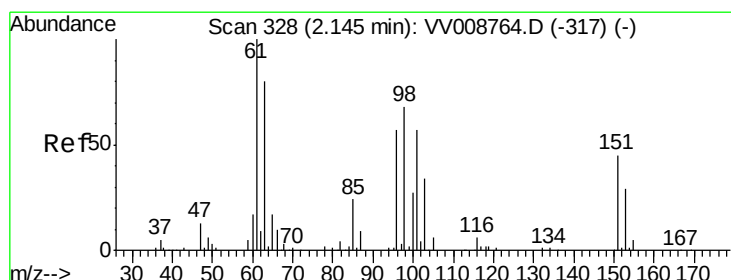
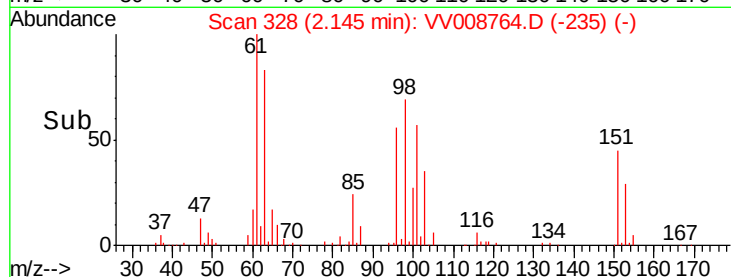
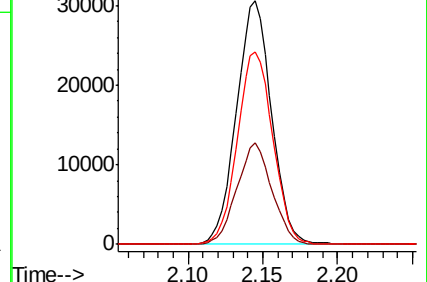
151 79.8 63.8 95.8



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: 4.996 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

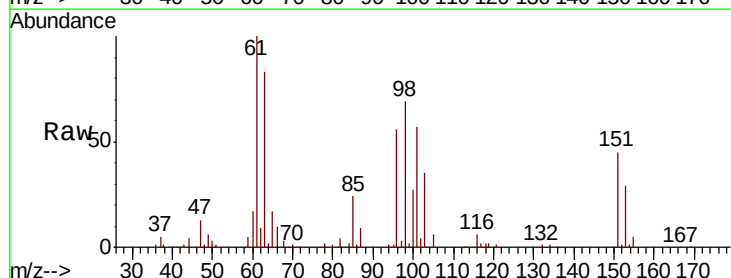
Tgt Ion: 96 Resp: 43661

Ion Ratio Lower Upper

96 100

61 177.5 124.3 230.8

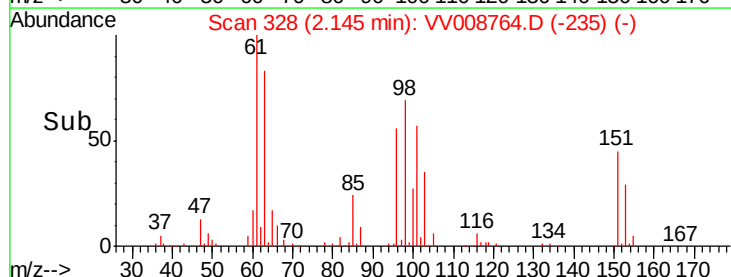
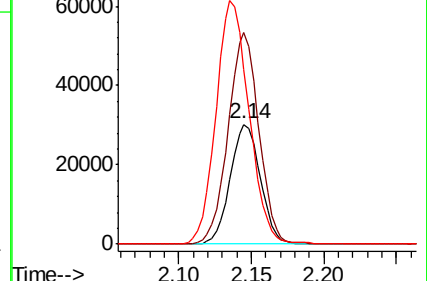
63 146.5 102.6 190.5

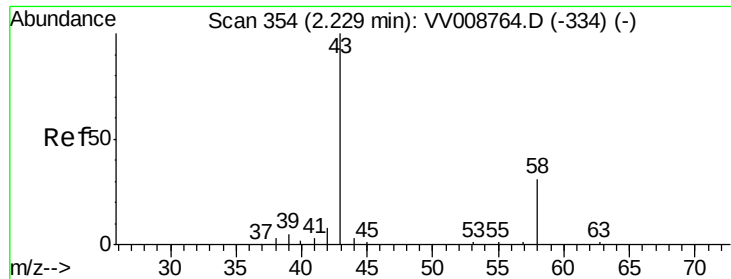


Abundance Ion 96.00 (95.70 to 96.70): VV008764.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008764.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008764.D (-317) (-)





#13

Acetone

Concen: 50.673 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

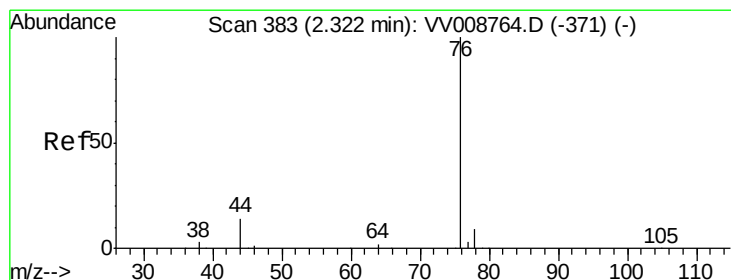
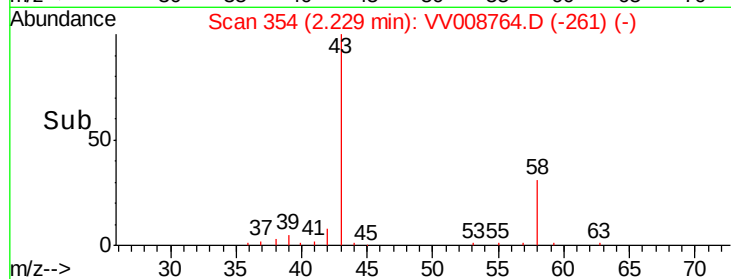
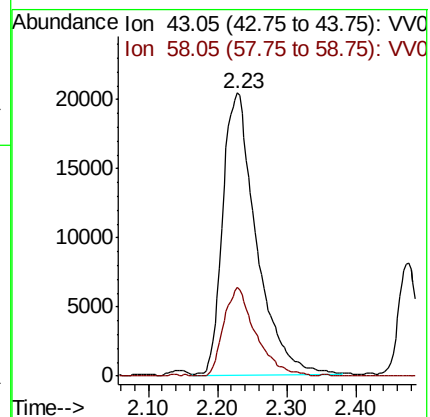
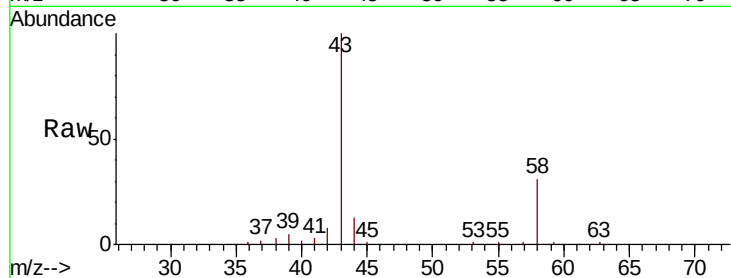
VSTD00565

Tgt Ion: 43 Resp: 69130

Ion Ratio Lower Upper

43 100

58 29.9 0.0 59.8



#14

Carbon disulfide

Concen: 4.711 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008764.D

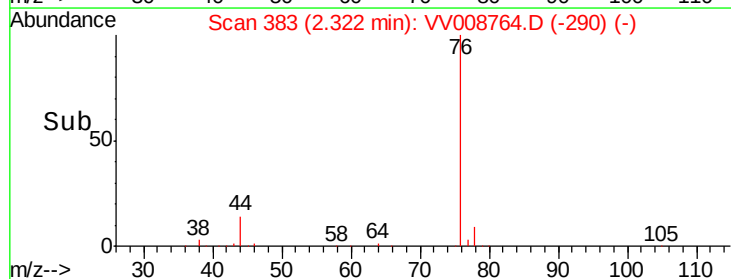
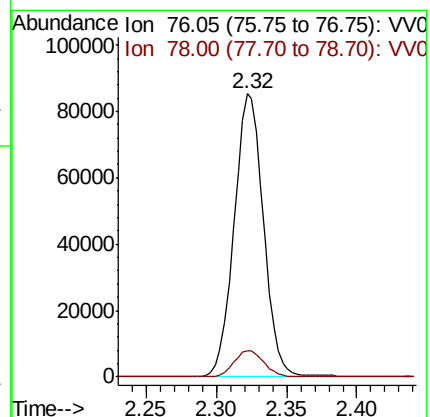
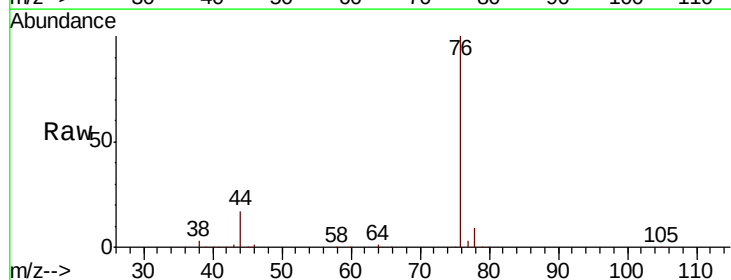
Acq: 29 Nov 2018 15:19

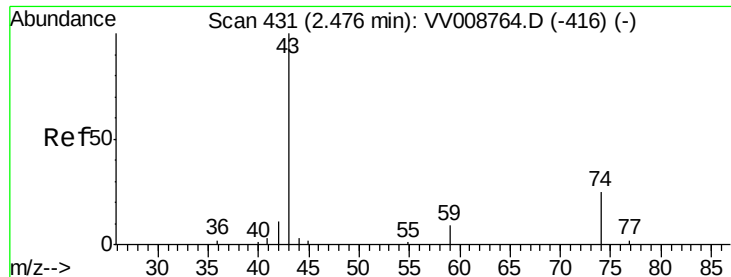
Tgt Ion: 76 Resp: 124401

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#15

Methyl Acetate

Concen: 4.625 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

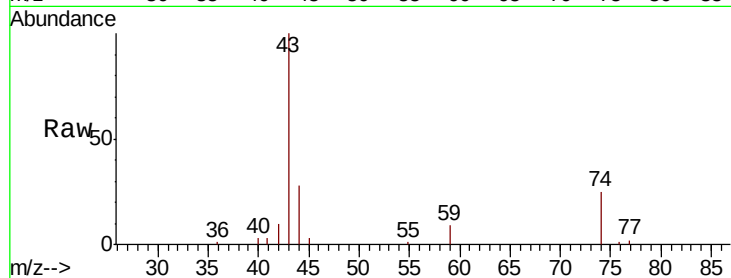
VSTD00565

Tgt Ion: 43 Resp: 16359

Ion Ratio Lower Upper

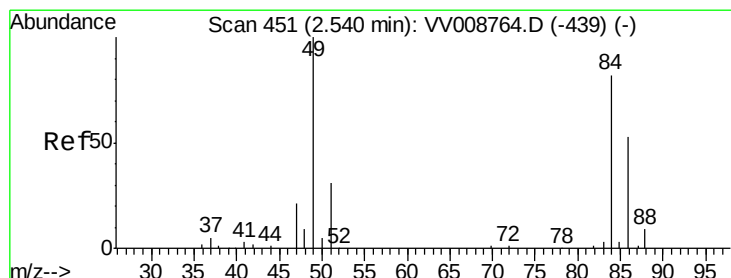
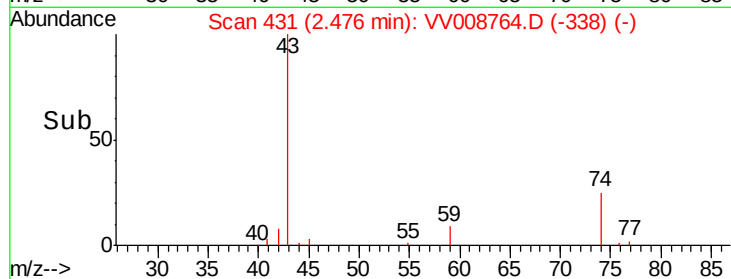
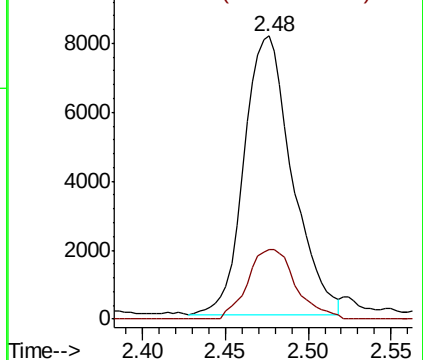
43 100

74 25.0 20.0 30.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.558 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

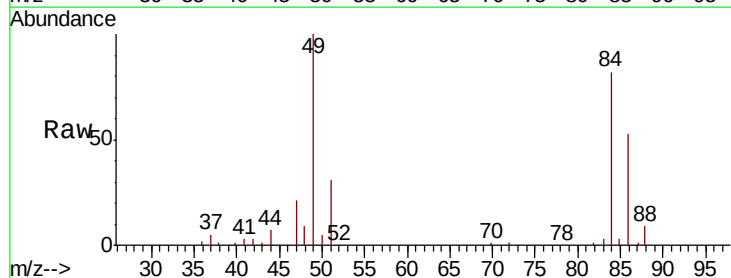
Tgt Ion: 84 Resp: 44165

Ion Ratio Lower Upper

84 100

86 65.5 45.8 85.2

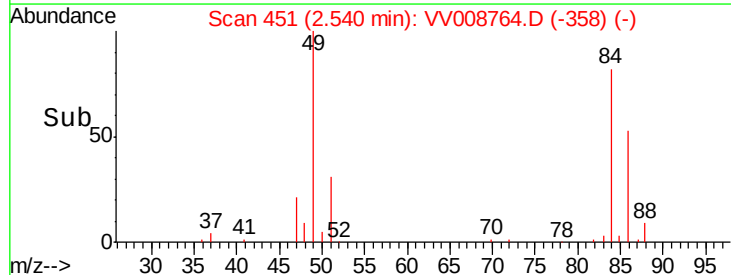
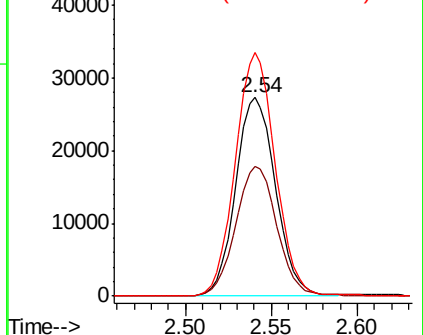
49 122.7 85.9 159.5

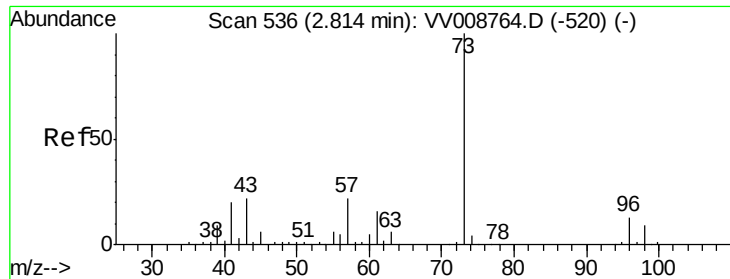


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

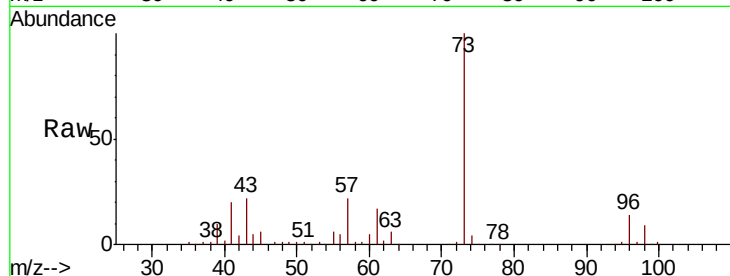




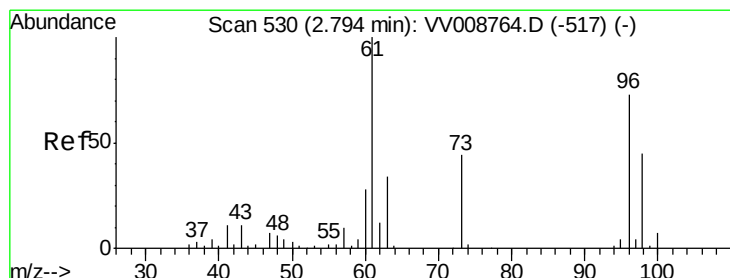
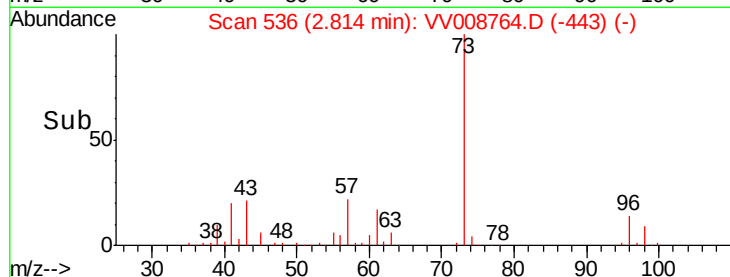
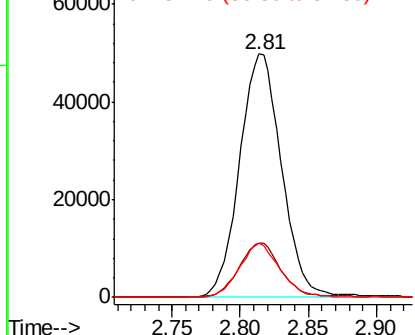
#17
Methyl tert-butyl Ether
Concen: 5.109 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion: 73 Resp: 106145
Ion Ratio Lower Upper
73 100
43 22.5 18.0 27.0
57 21.5 17.2 25.8

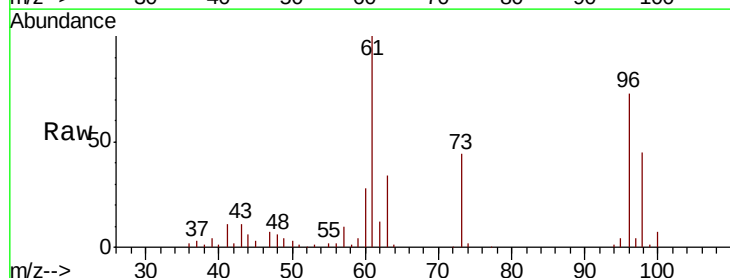


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

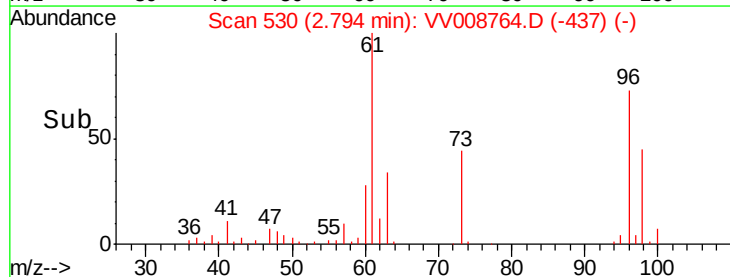
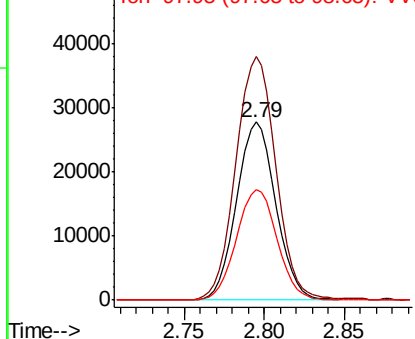


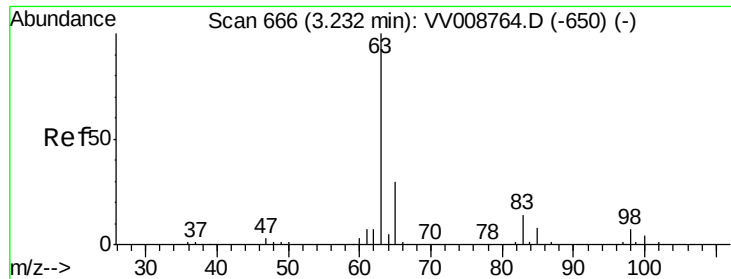
#18
trans-1,2-Dichloroethene
Concen: 4.946 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Tgt Ion: 96 Resp: 46401
Ion Ratio Lower Upper
96 100
61 136.8 95.8 177.8
98 61.8 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

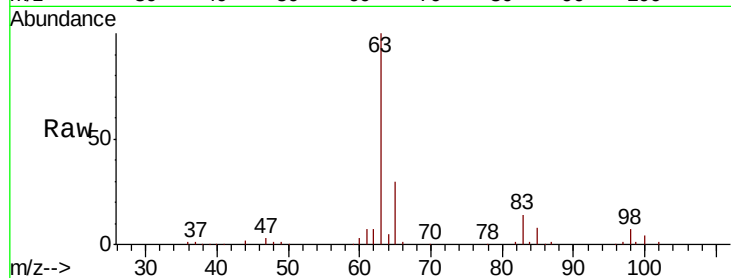




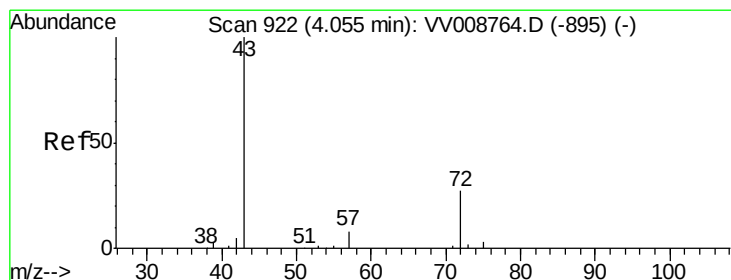
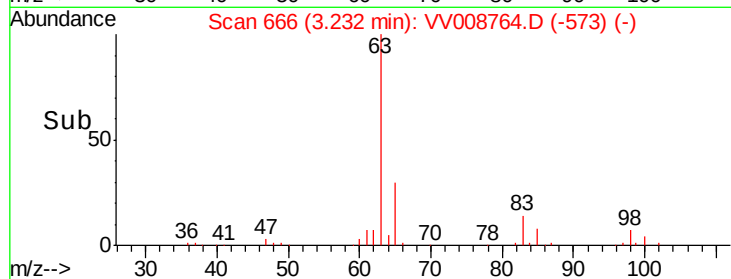
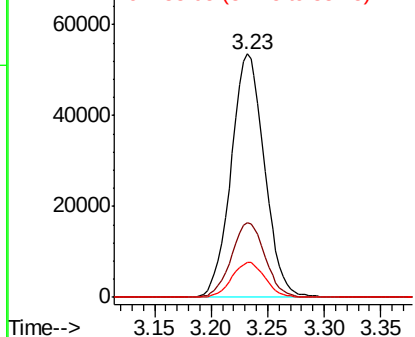
#19
 1,1-Dichloroethane
 Concen: 5.166 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion: 63 Resp: 109998
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.3 39.6
 83 14.2 9.9 18.5

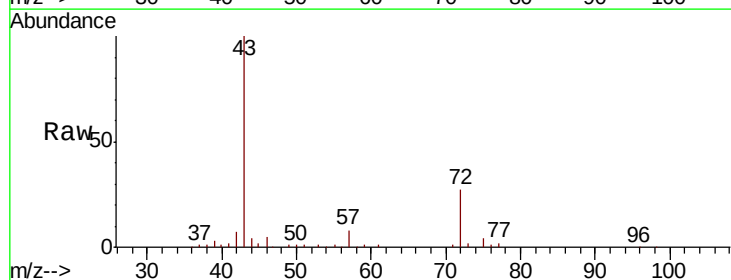


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

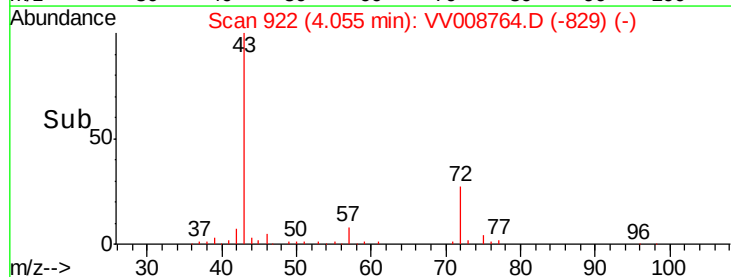
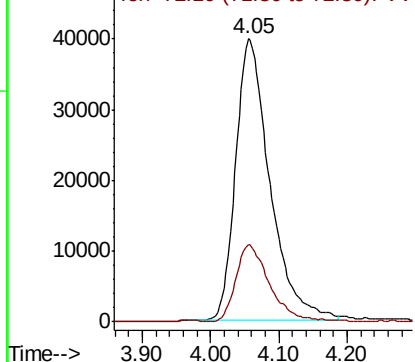


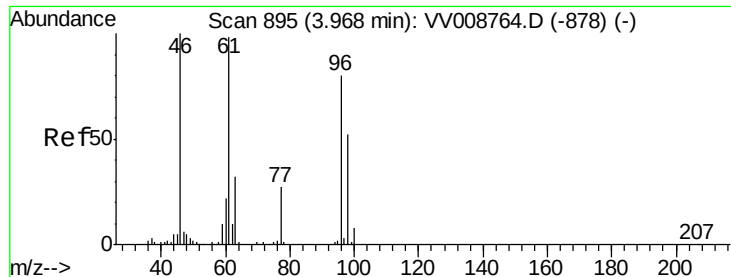
#21
 2-Butanone
 Concen: 50.158 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

Tgt Ion: 43 Resp: 138830
 Ion Ratio Lower Upper
 43 100
 72 27.2 13.6 40.8



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



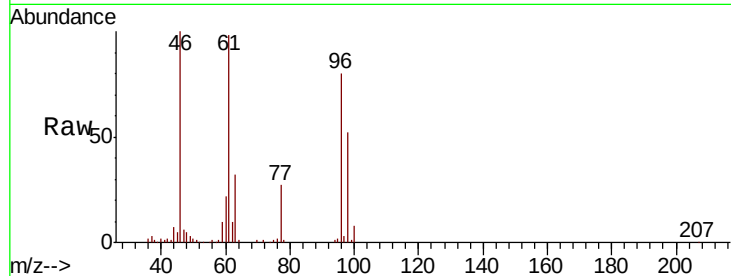


#22

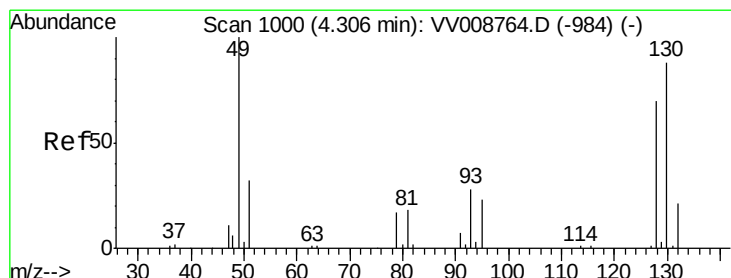
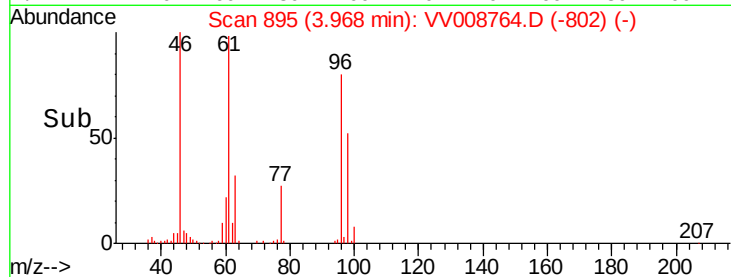
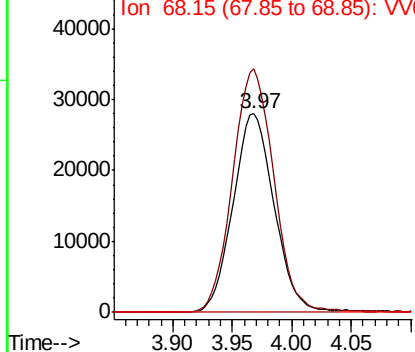
cis-1,2-Dichloroethene
Concen: 5.108 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion: 96 Resp: 66979
Ion Ratio Lower Upper
96 100
61 122.7 85.9 159.5
68 0.0 0.0 0.0



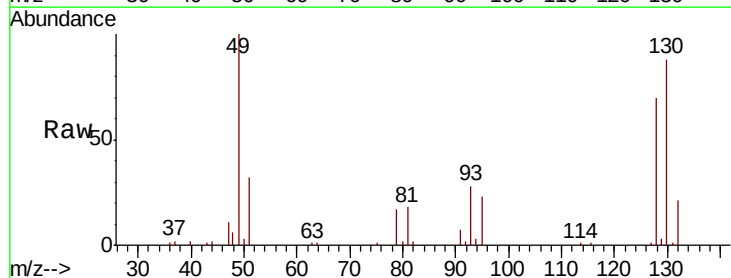
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



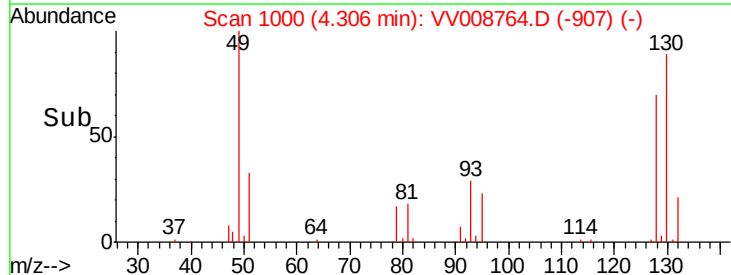
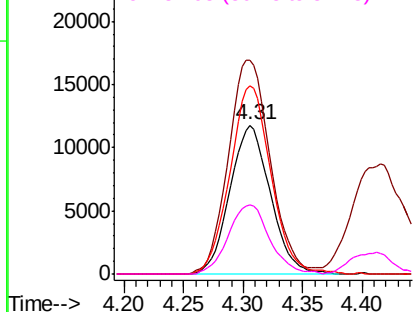
#23

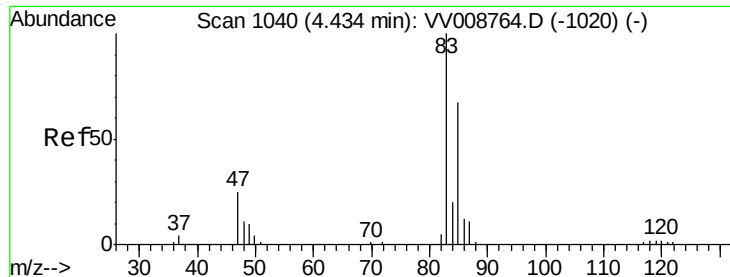
Bromochloromethane
Concen: 5.134 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Tgt Ion: 128 Resp: 27769
Ion Ratio Lower Upper
128 100
49 143.4 100.4 186.4
130 126.5 88.5 164.4
51 46.4 37.1 55.7



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

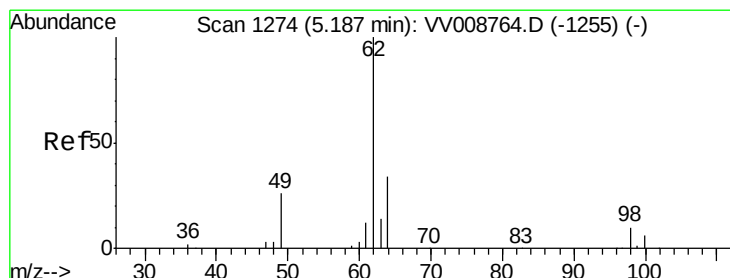
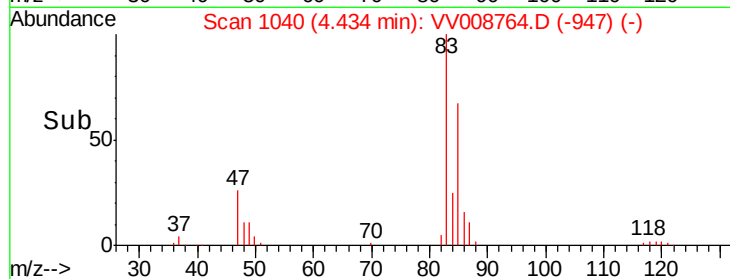
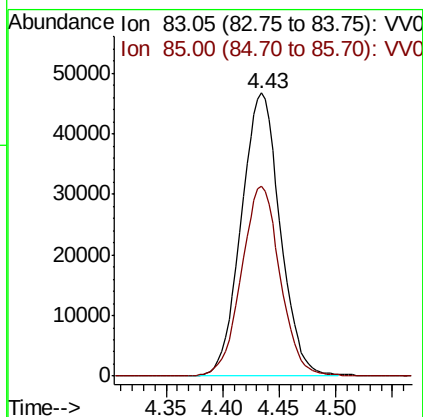
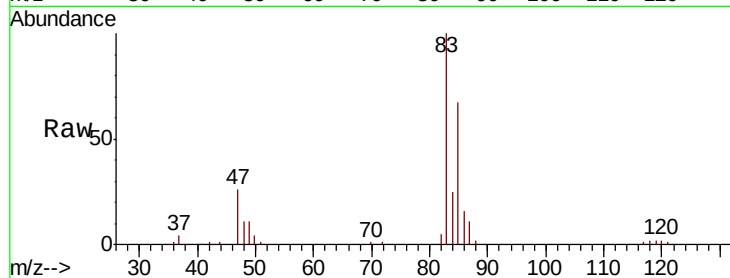




#25
Chloroform
Concen: 4.930 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

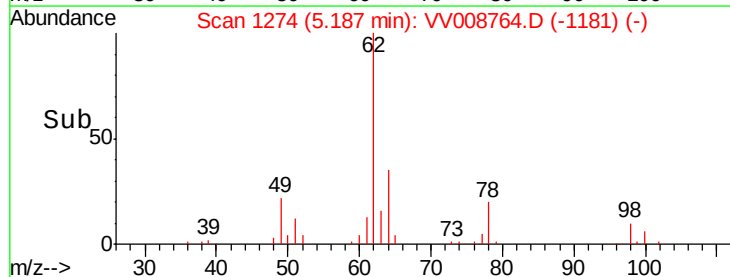
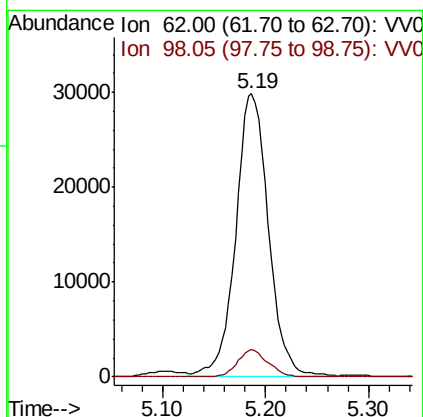
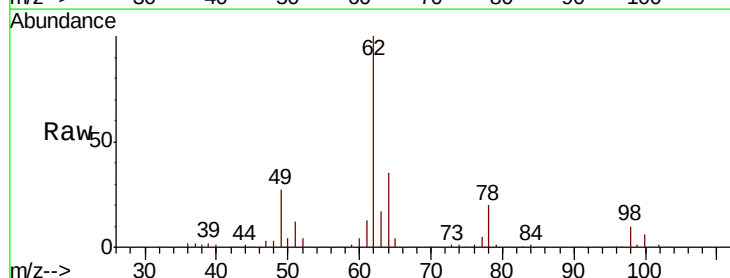
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

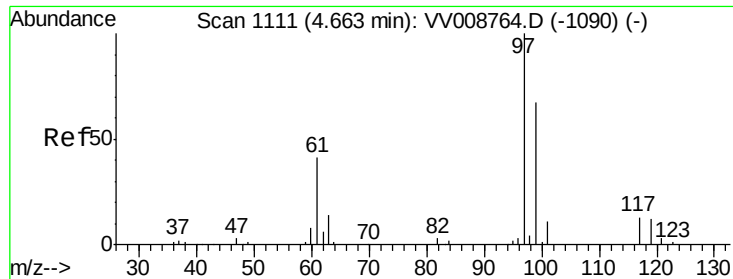
Tgt Ion: 83 Resp: 111677
Ion Ratio Lower Upper
83 100
85 67.2 47.0 87.4



#27
1,2-Dichloroethane
Concen: 5.106 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Tgt Ion: 62 Resp: 65625
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5

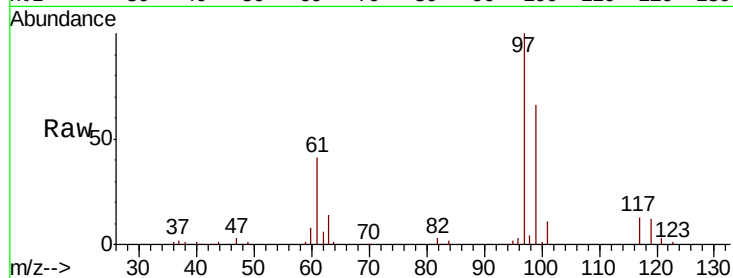




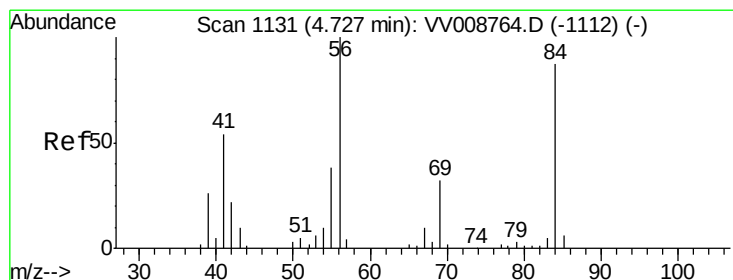
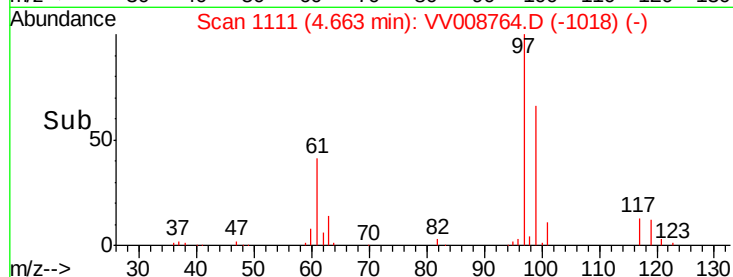
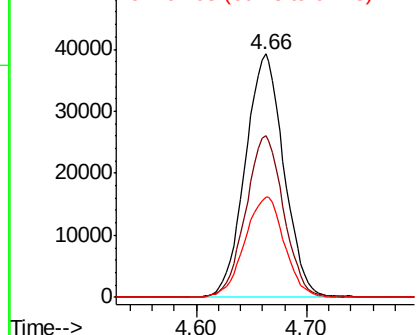
#29
1,1,1-Trichloroethane
Concen: 5.007 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion: 97 Resp: 95016
Ion Ratio Lower Upper
97 100
99 65.1 52.1 78.1
61 42.4 33.9 50.9

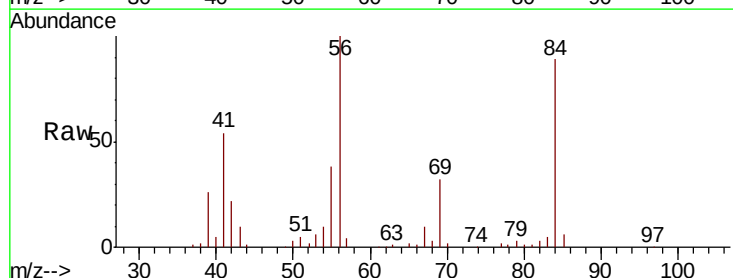


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

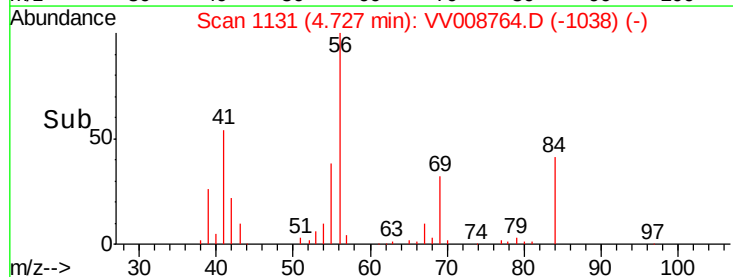
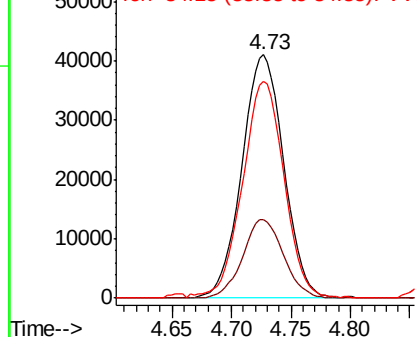


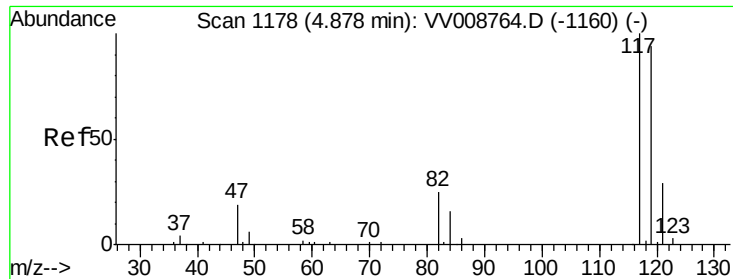
#30
Cyclohexane
Concen: 4.947 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Tgt Ion: 56 Resp: 99931
Ion Ratio Lower Upper
56 100
69 31.4 25.1 37.7
84 88.5 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: 5.128 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

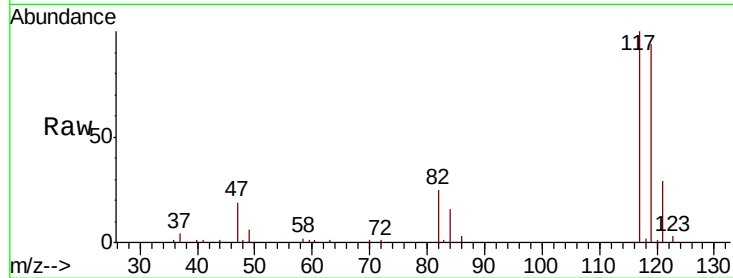
VSTD00565

Tgt Ion:117 Resp: 82116

Ion Ratio Lower Upper

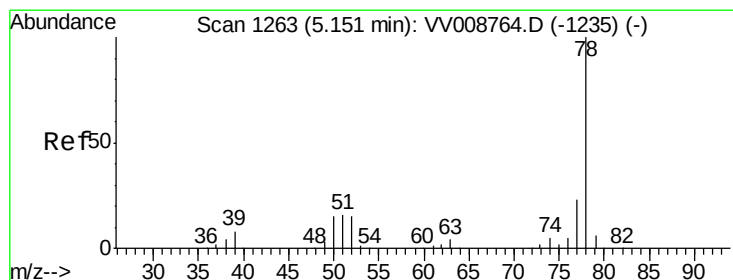
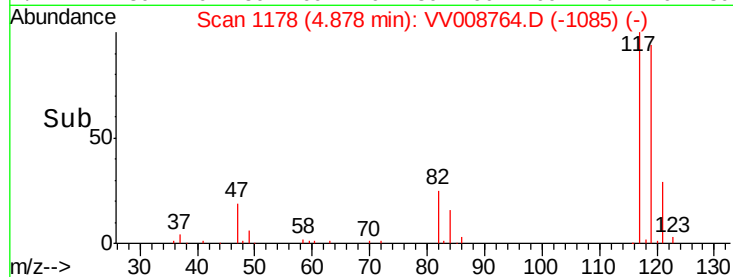
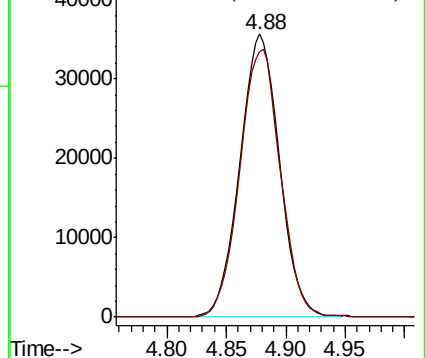
117 100

119 97.1 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: 4.998 ug/L

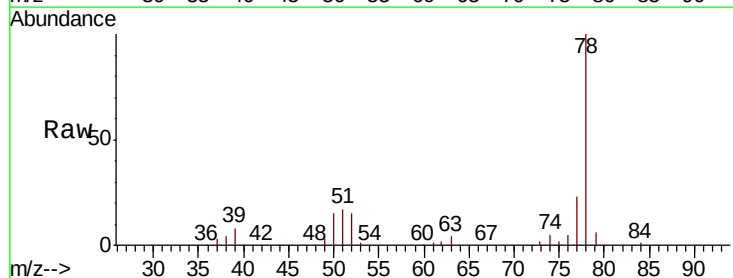
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

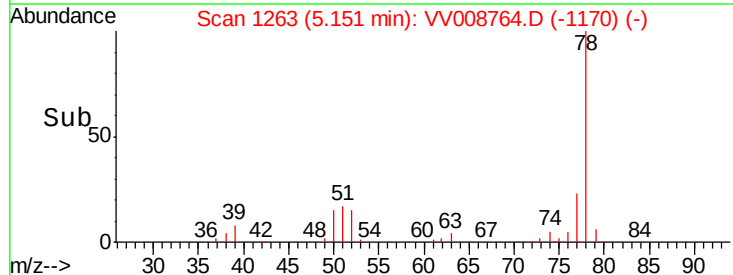
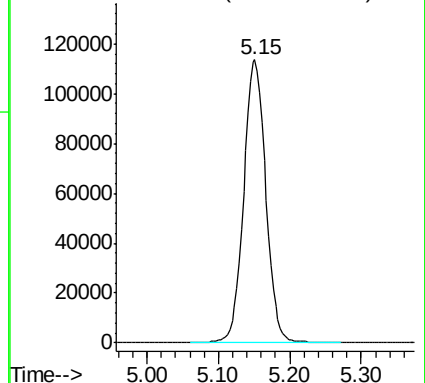
Lab File: VV008764.D

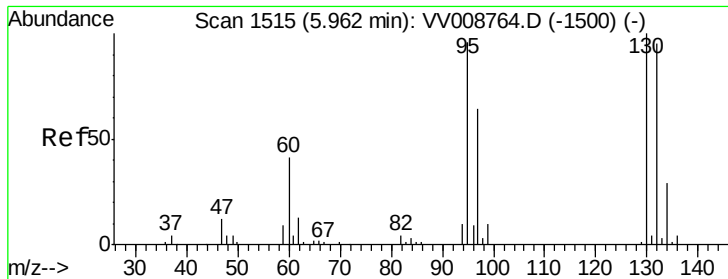
Acq: 29 Nov 2018 15:19

Tgt Ion: 78 Resp: 246459



Abundance Ion 78.10 (77.80 to 78.80): VV0

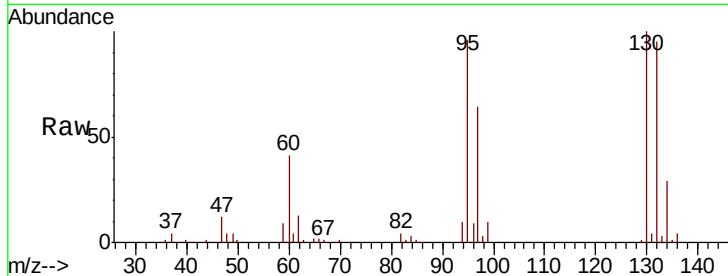




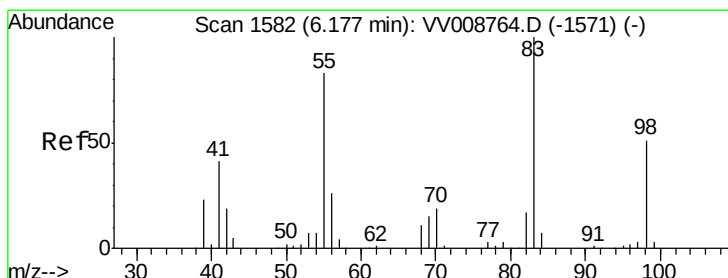
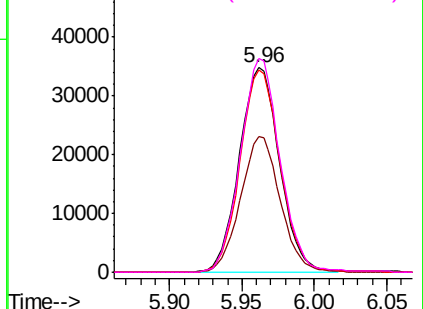
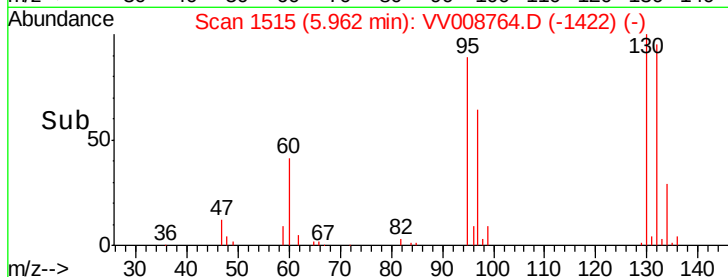
#34
 Trichloroethene
 Concen: 4.972 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00565

Tgt Ion: 95 Resp: 67307
 Ion Ratio Lower Upper
 95 100
 97 66.4 46.5 86.3
 132 99.1 69.4 128.8
 130 104.5 73.1 135.8

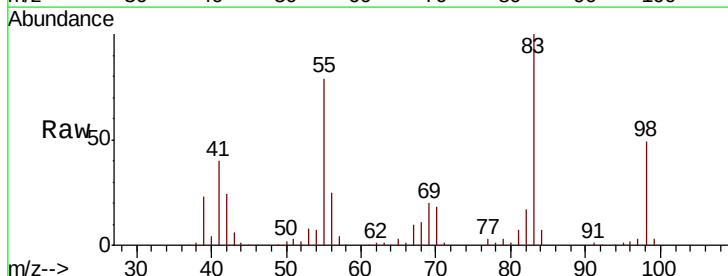


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

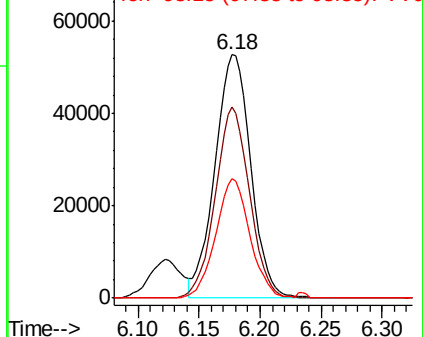
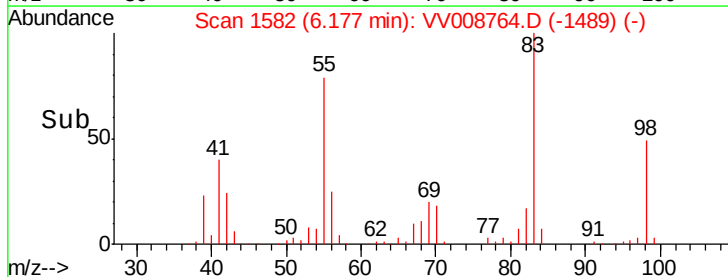


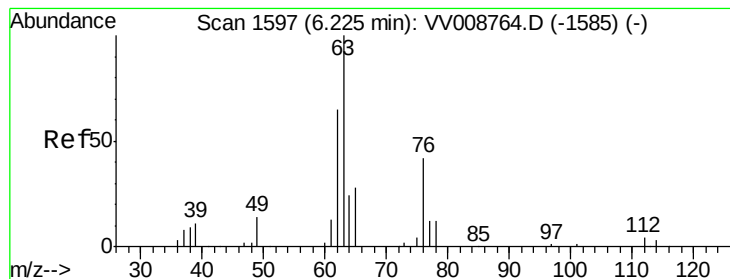
#35
 Methylcyclohexane
 Concen: 5.048 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

Tgt Ion: 83 Resp: 108870
 Ion Ratio Lower Upper
 83 100
 55 75.1 60.1 90.1
 98 46.8 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: 5.023 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

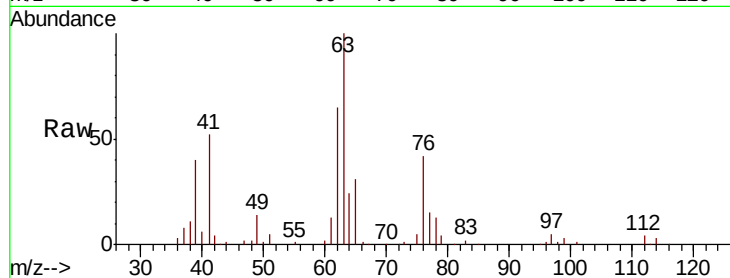
VSTD00565

Tgt Ion: 63 Resp: 61285

Ion Ratio Lower Upper

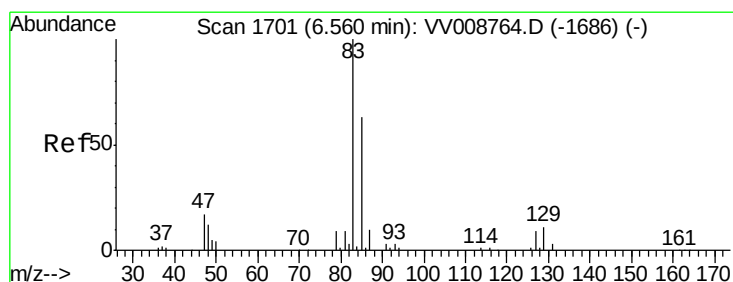
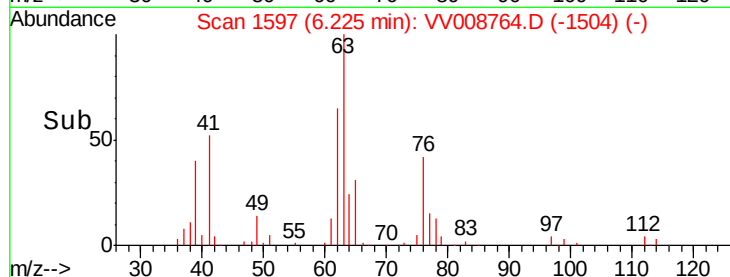
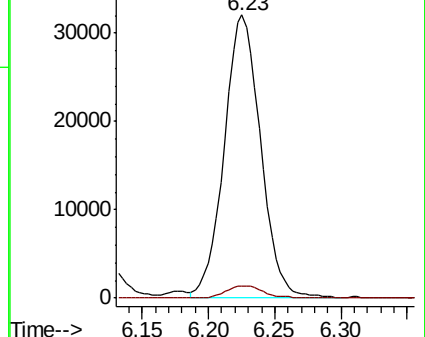
63 100

112 4.4 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VV008764.D (-1585) (-)

Ion 112.10 (111.80 to 112.80): VV008764.D (-1585) (-)



#38

Bromodichloromethane

Concen: 5.021 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

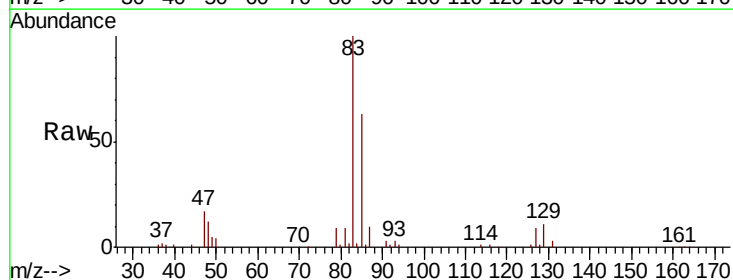
Tgt Ion: 83 Resp: 69902

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

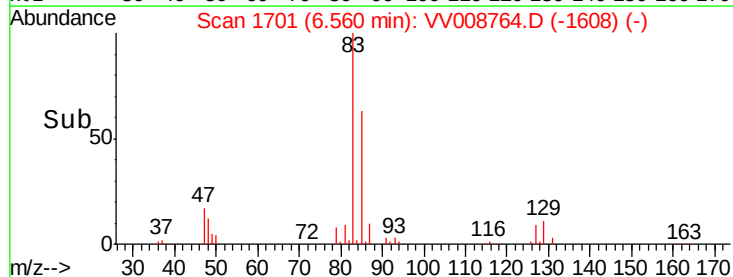
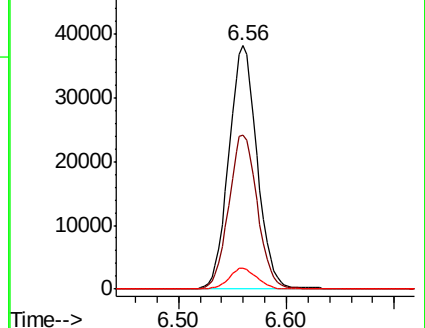
127 8.6 6.9 10.3

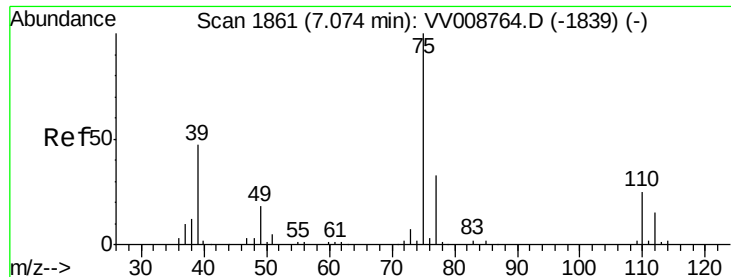


Abundance Ion 82.95 (82.65 to 83.65): VV008764.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV008764.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV008764.D (-1686) (-)

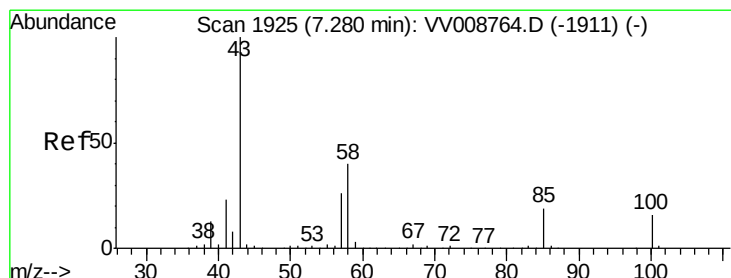
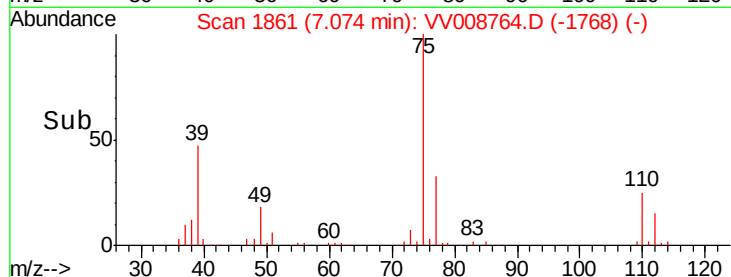
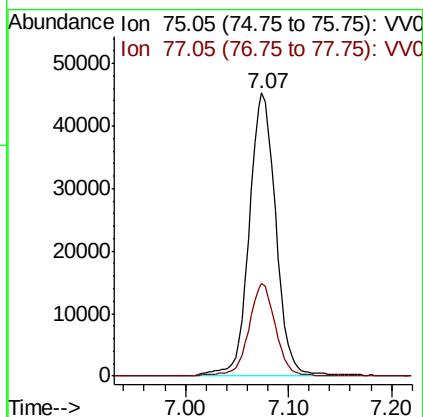
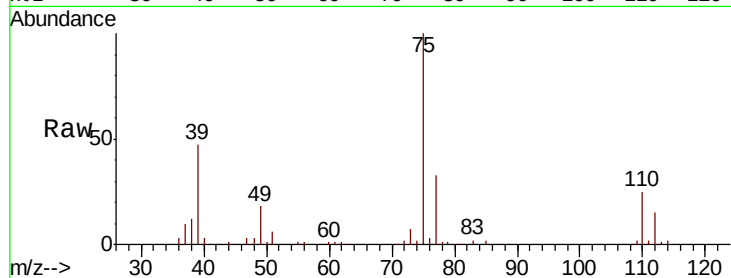




#39
 cis-1,3-Dichloropropene
 Concen: 4.993 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

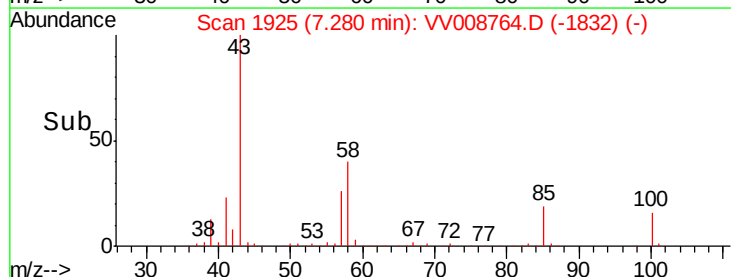
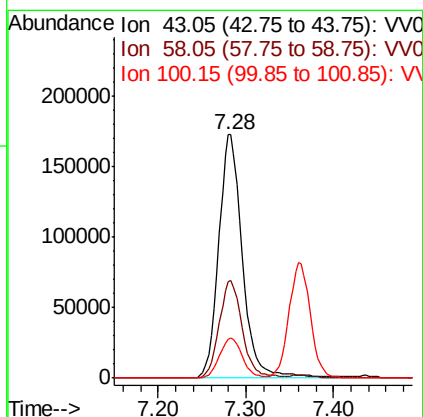
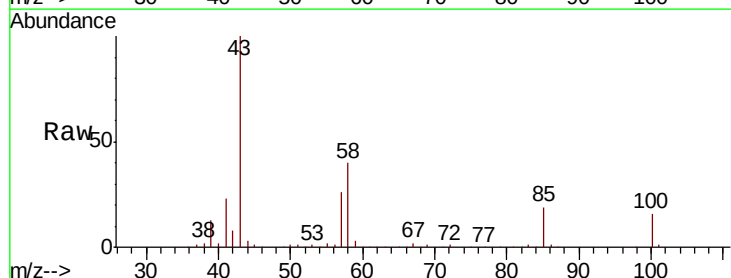
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

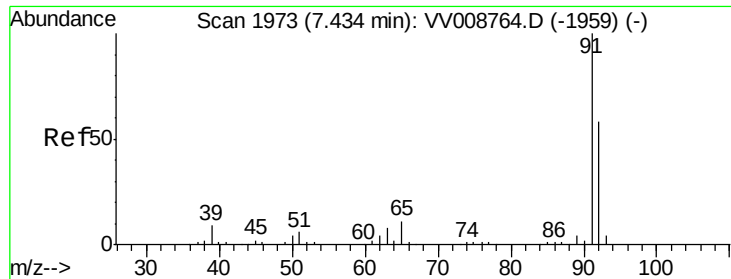
Tgt Ion: 75 Resp: 81207
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 50.659 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

Tgt Ion: 43 Resp: 324515
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.3 46.9
 100 15.8 12.6 19.0





#42

Toluene

Concen: 5.103 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

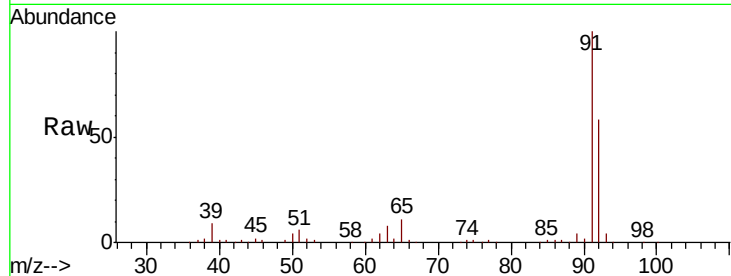
VSTD00565

Tgt Ion: 91 Resp: 260216

Ion Ratio Lower Upper

91 100

92 57.9 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) (-)

7.43

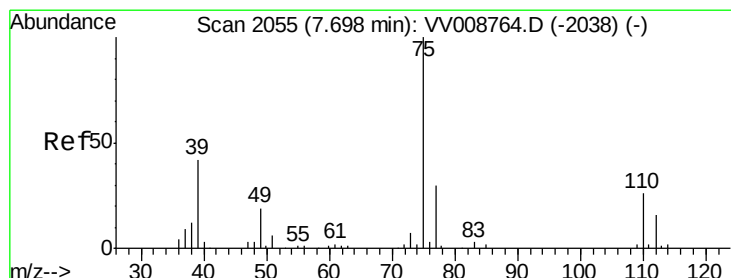
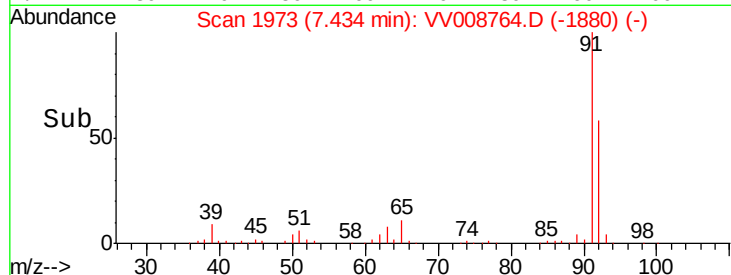
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.989 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008764.D

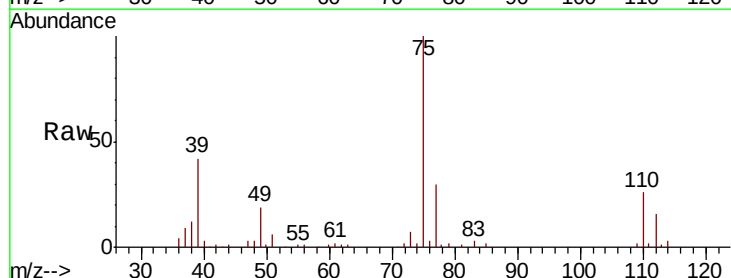
Acq: 29 Nov 2018 15:19

Tgt Ion: 75 Resp: 63469

Ion Ratio Lower Upper

75 100

77 30.4 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) (-)

7.70

40000

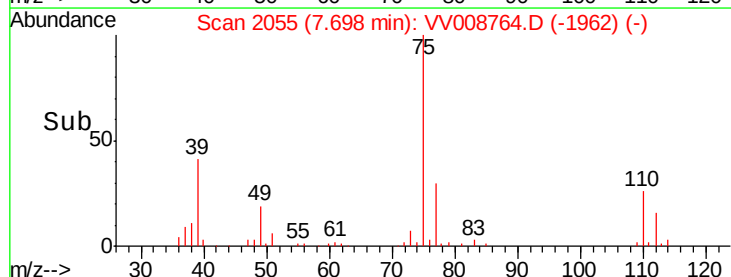
30000

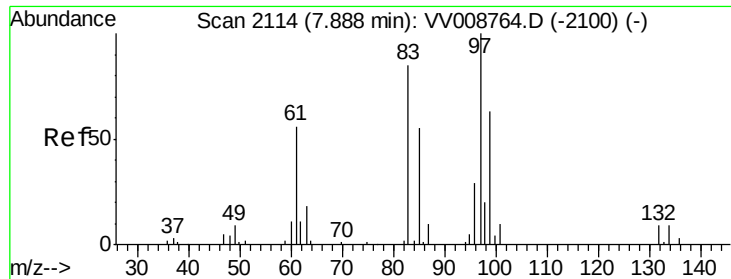
20000

10000

0

Time-->

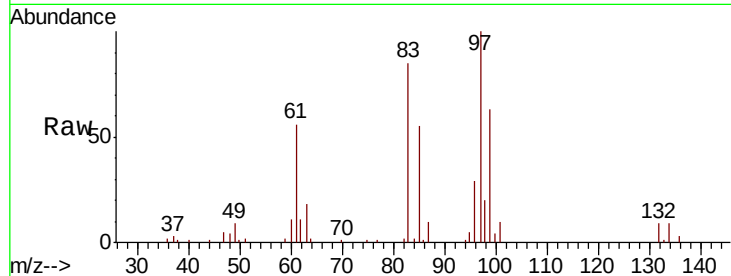




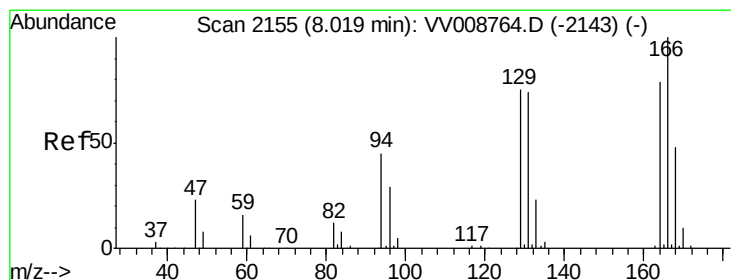
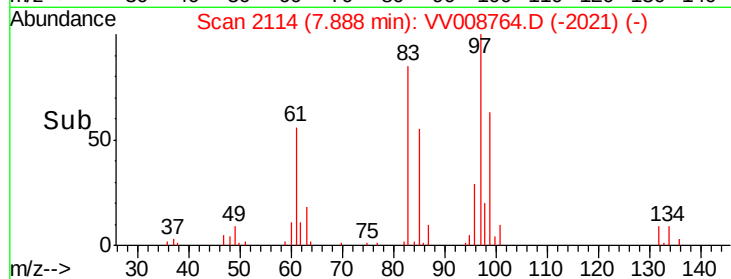
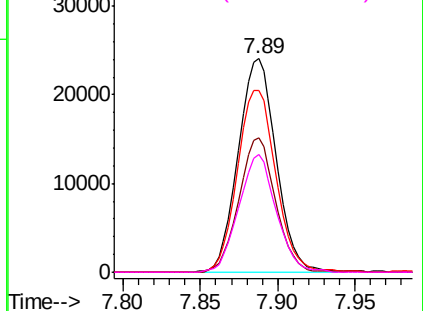
#45
 1,1,2-Trichloroethane
 Concen: 5.026 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion:	97	Resp:	41119
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	85.1	59.6	110.6
85	55.4	38.8	72.0

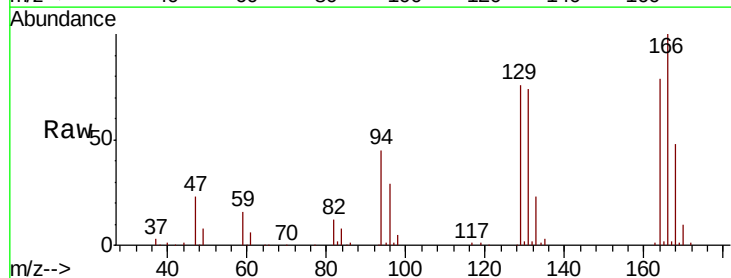


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

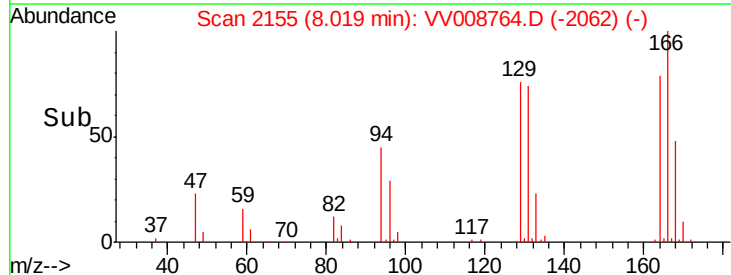
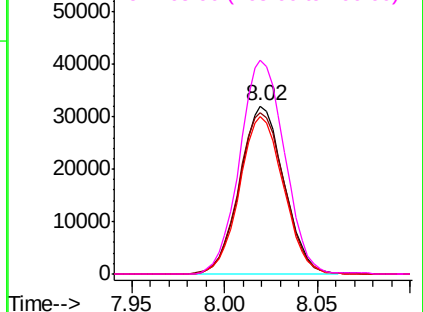


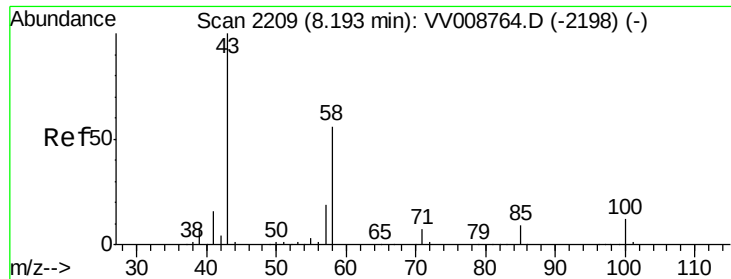
#47
 Tetrachloroethene
 Concen: 5.153 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

Tgt Ion:	164	Resp:	52759
Ion	Ratio	Lower	Upper
164	100		
129	96.4	67.5	125.3
131	94.2	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

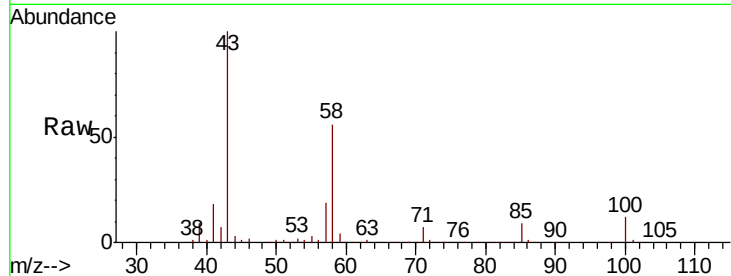




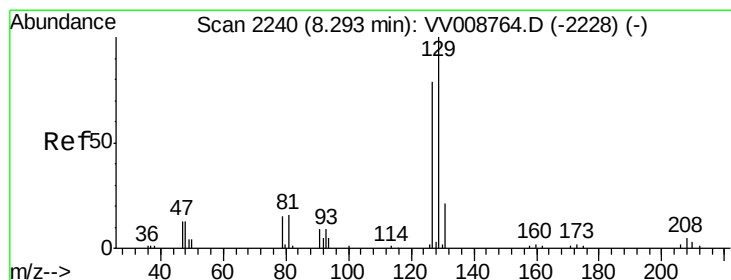
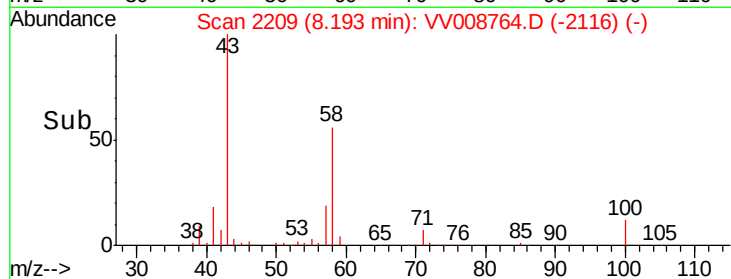
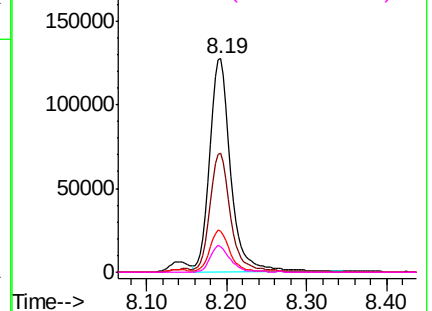
#48
2-Hexanone
Concen: 52.367 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion: 43 Resp: 233580
Ion Ratio Lower Upper
43 100
58 55.6 44.5 66.7
57 19.0 15.2 22.8
100 12.0 9.6 14.4

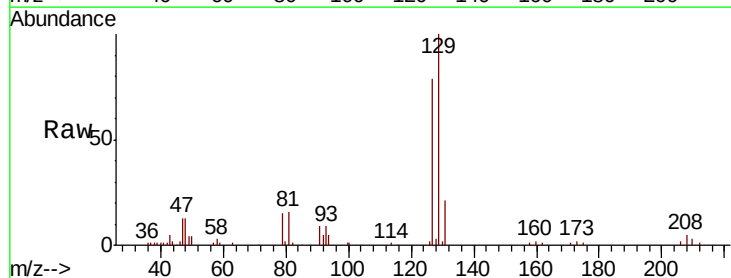


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

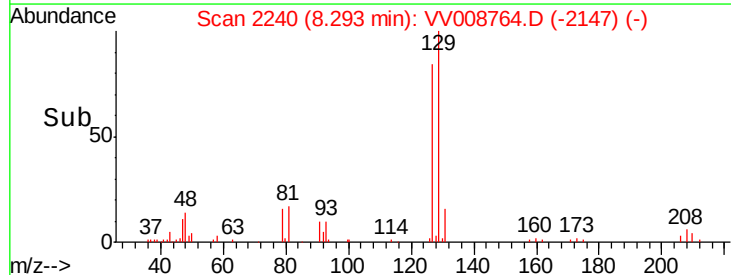
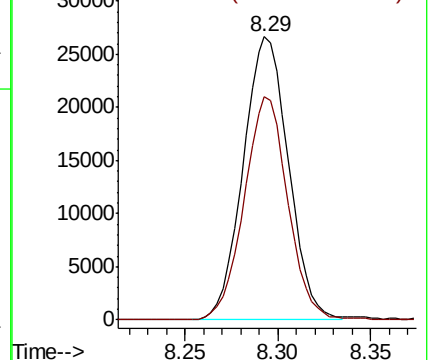


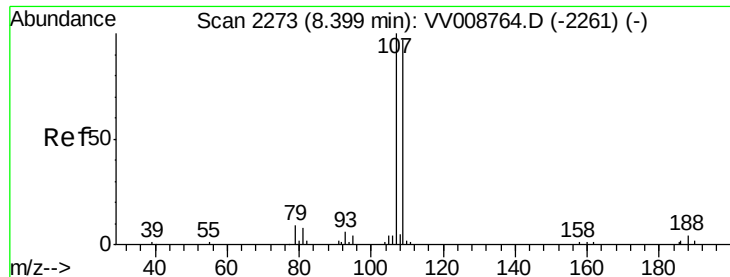
#49
Dibromochloromethane
Concen: 5.201 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Tgt Ion: 129 Resp: 45095
Ion Ratio Lower Upper
129 100
127 79.0 55.3 102.7



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

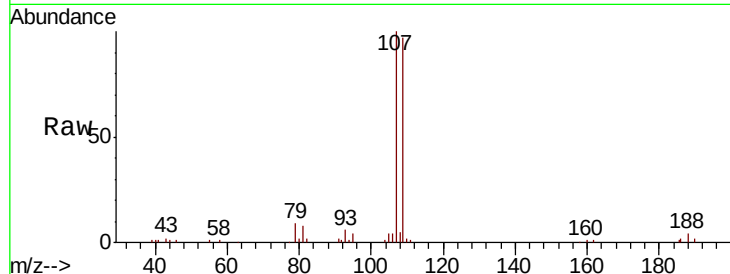




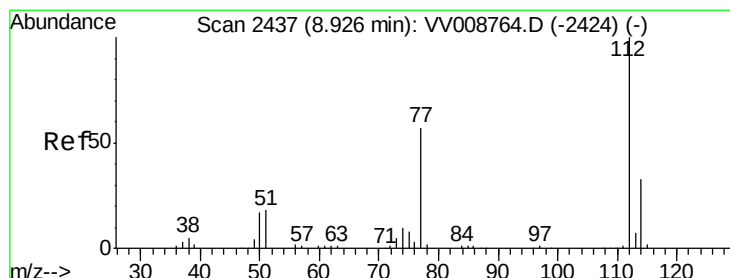
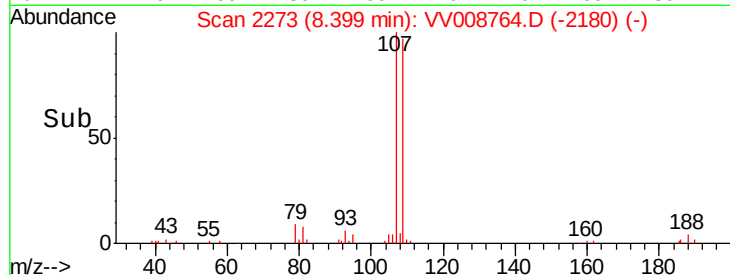
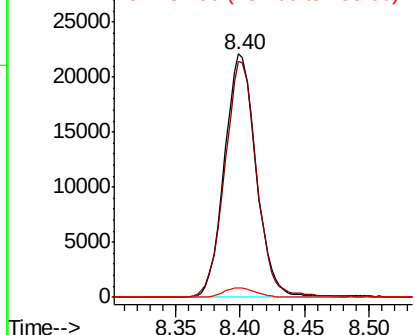
#50
1,2-Dibromoethane
Concen: 5.123 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion:107 Resp: 37636
Ion Ratio Lower Upper
107 100
109 96.9 67.8 126.0
188 3.9 3.1 4.7

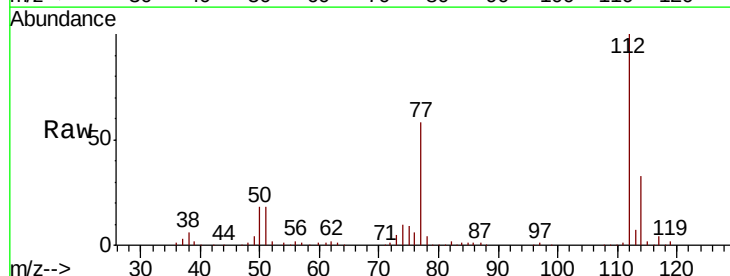


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

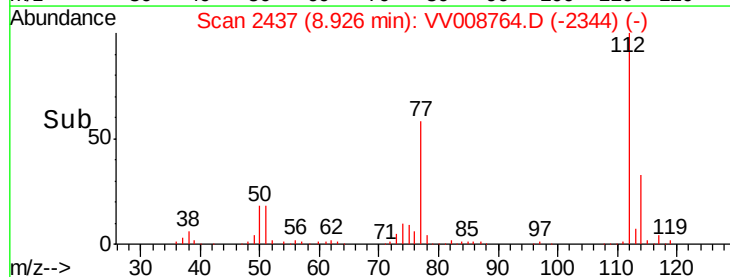
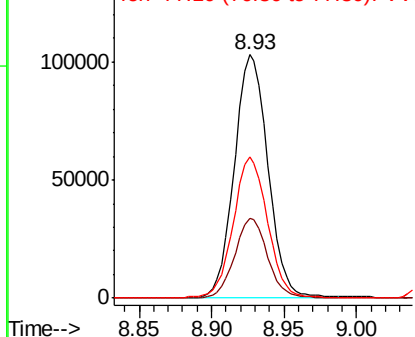


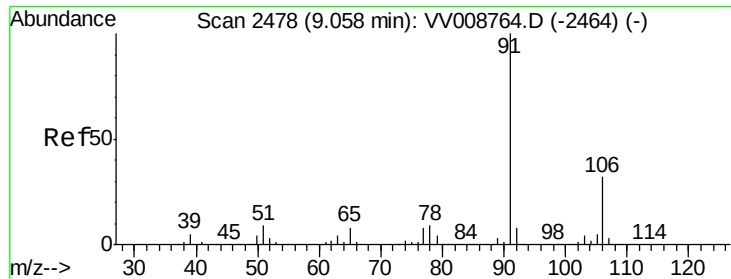
#51
Chlorobenzene
Concen: 4.519 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Tgt Ion:112 Resp: 166571
Ion Ratio Lower Upper
112 100
114 32.6 22.8 42.4
77 57.8 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

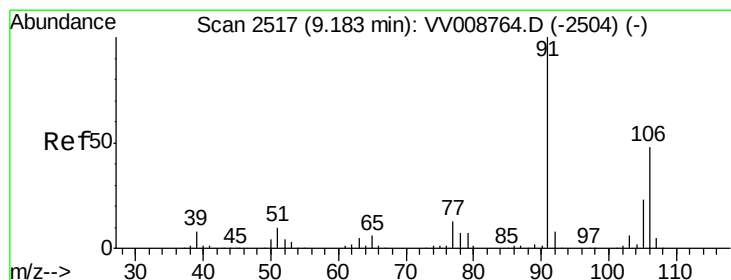
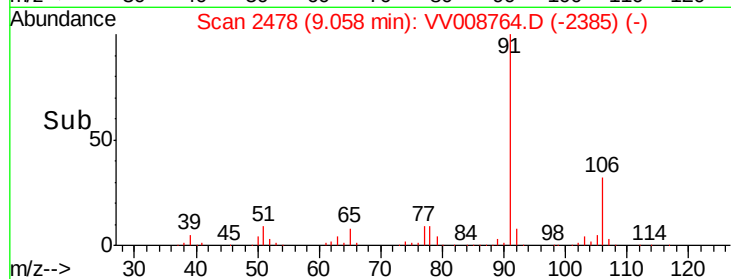
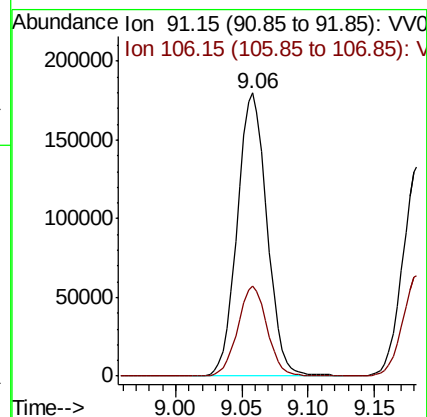
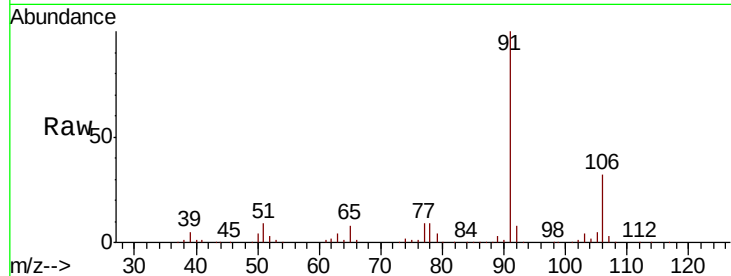




#52
Ethylbenzene
Concen: 5.051 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

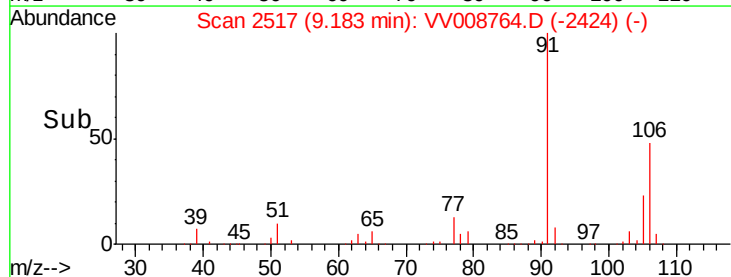
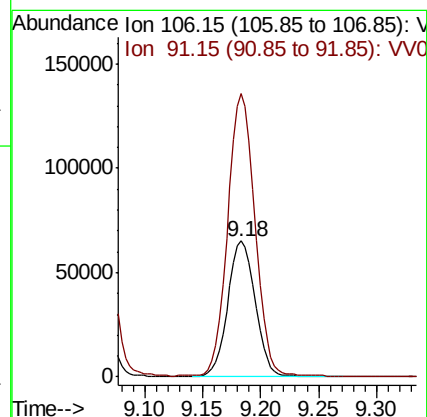
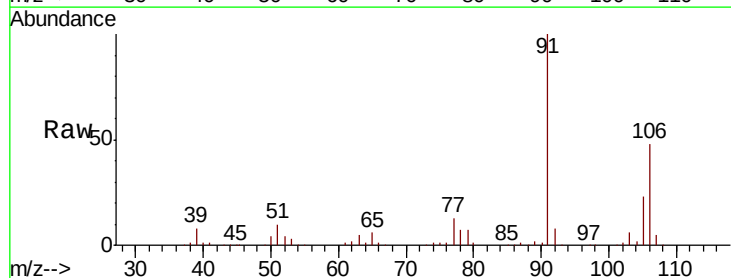
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

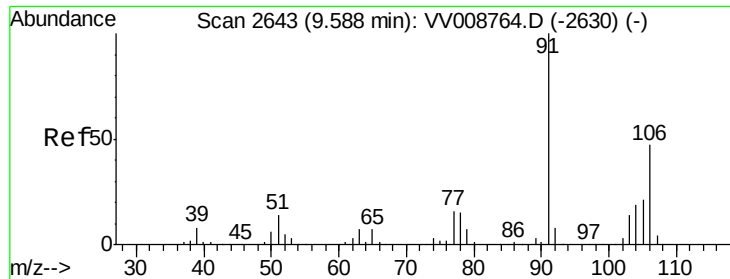
Tgt Ion: 91 Resp: 280285
Ion Ratio Lower Upper
91 100
106 32.0 22.4 41.6



#53
m,p-xylene
Concen: 5.140 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Tgt Ion: 106 Resp: 106969
Ion Ratio Lower Upper
106 100
91 207.9 145.5 270.3

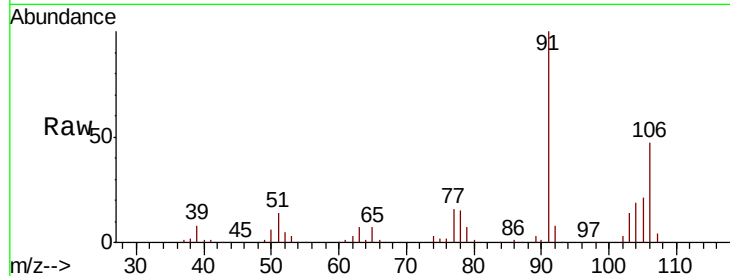




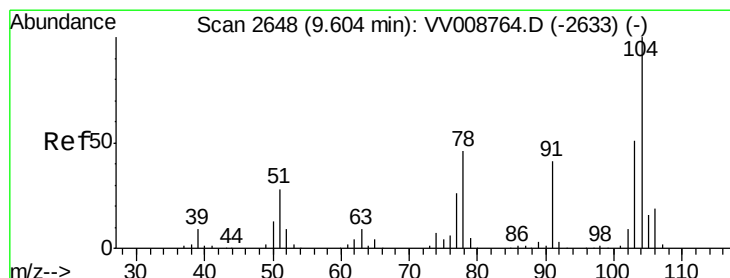
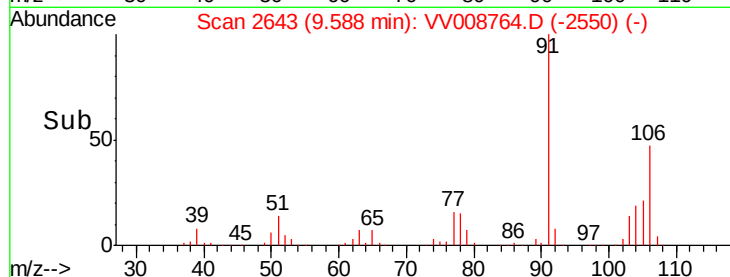
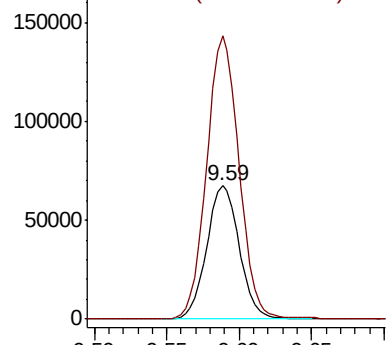
#54
o-xylene
Concen: 5.230 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion:106 Resp: 105344
Ion Ratio Lower Upper
106 100
91 212.4 148.7 276.1

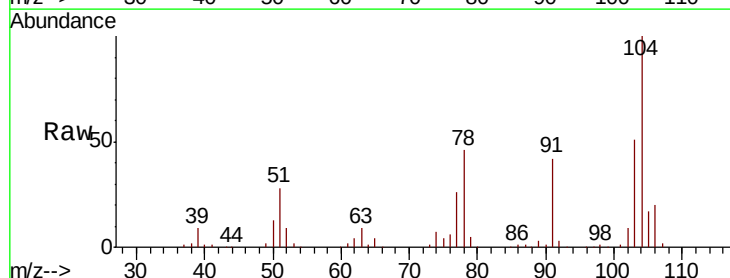


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

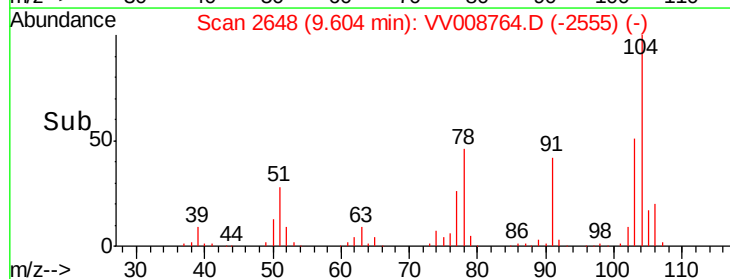
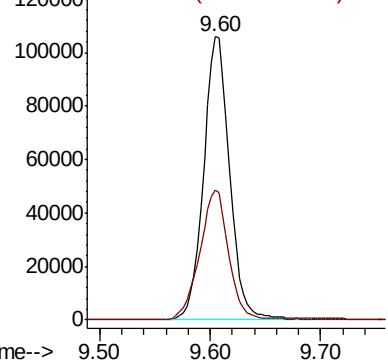


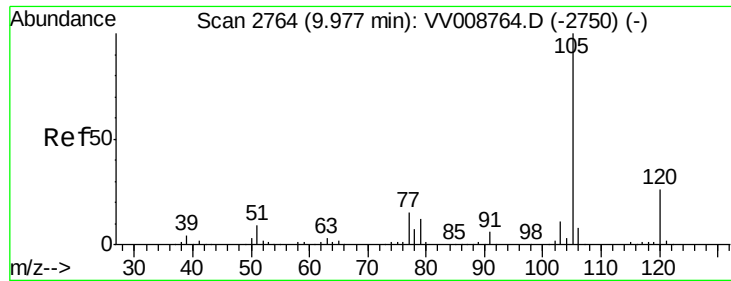
#55
Styrene
Concen: 5.264 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008764.D
Acq: 29 Nov 2018 15:19

Tgt Ion:104 Resp: 173919
Ion Ratio Lower Upper
104 100
78 46.0 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: 5.222 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

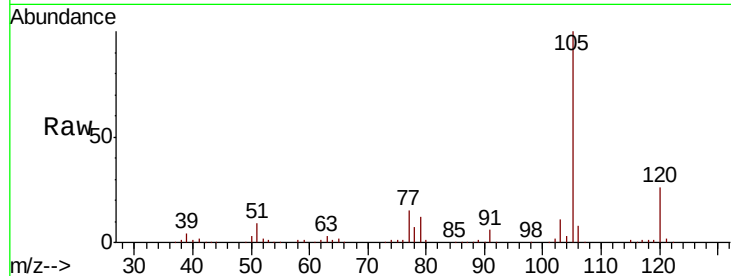
Tgt Ion: 105 Resp: 279791

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

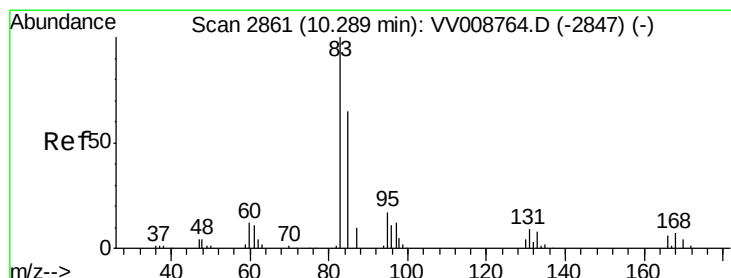
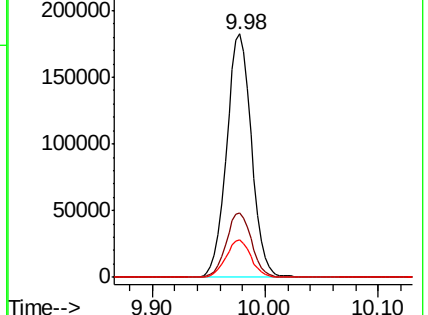
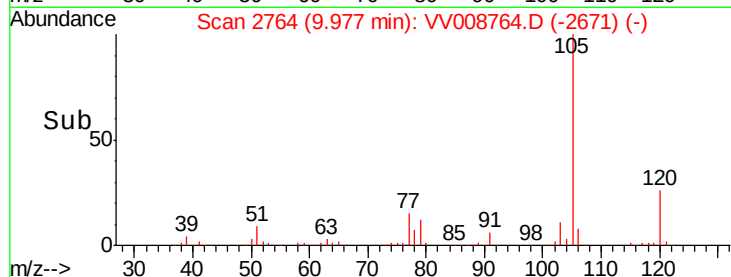
77 15.3 12.2 18.4



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: 5.171 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

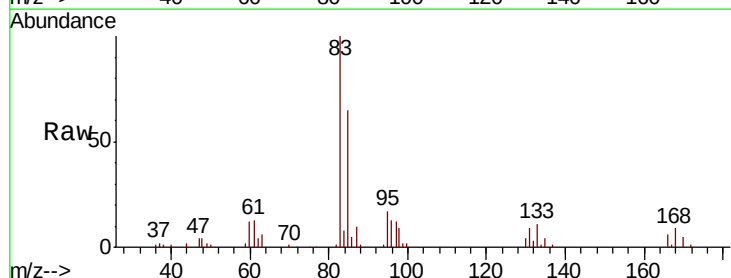
Tgt Ion: 83 Resp: 45125

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8

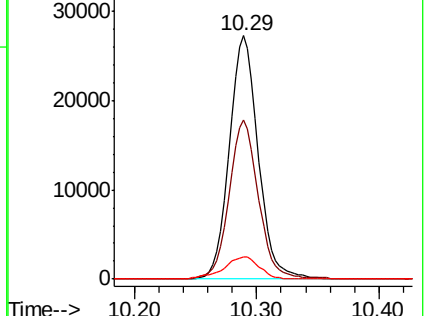
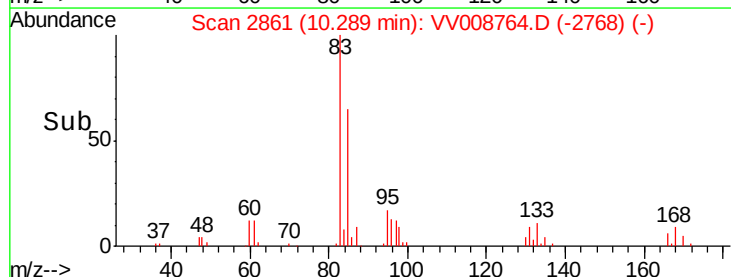
131 9.1 7.3 10.9

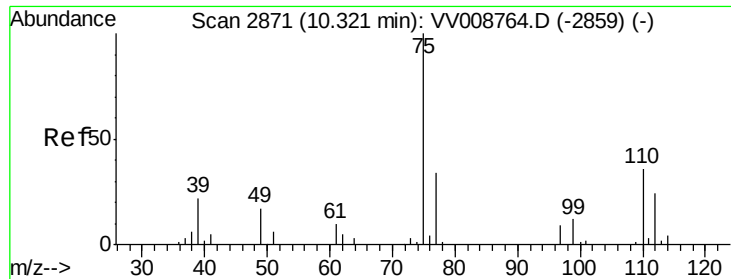


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

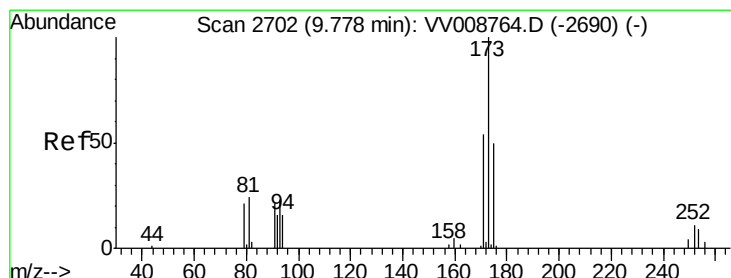
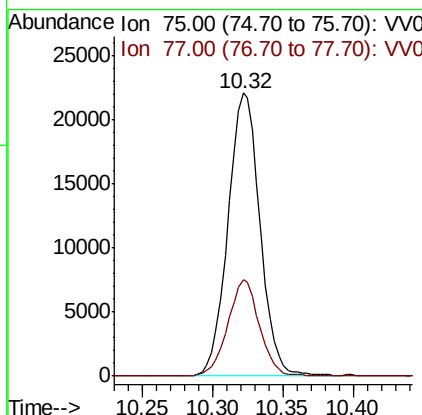
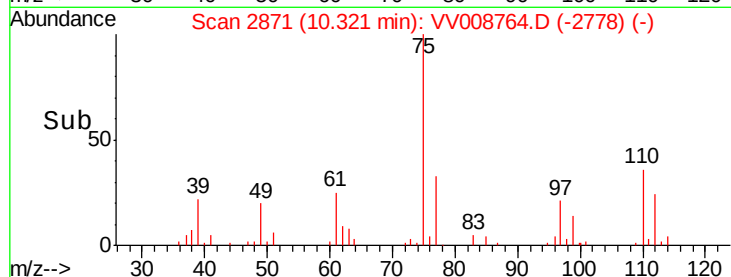
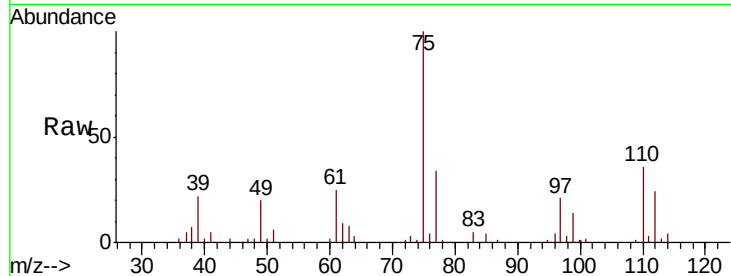




#59
 1,2,3-Trichloropropane
 Concen: 5.072 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

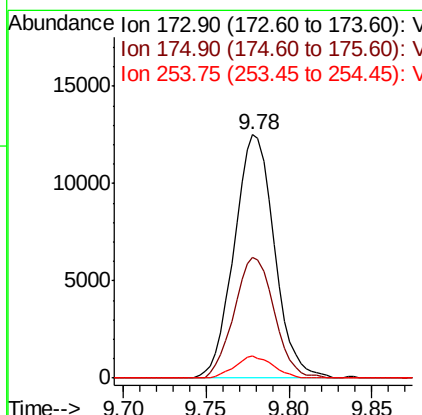
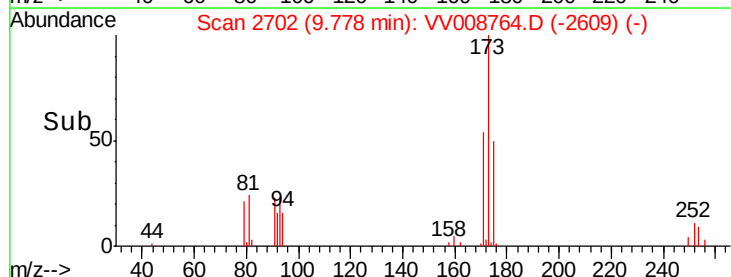
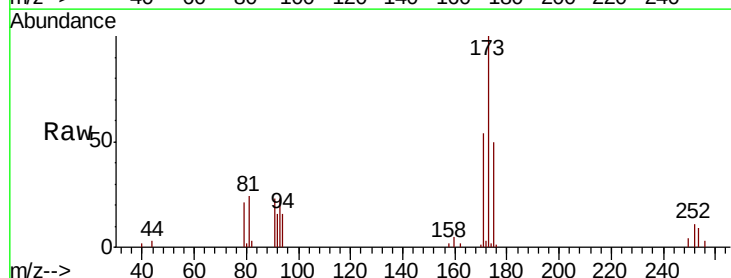
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

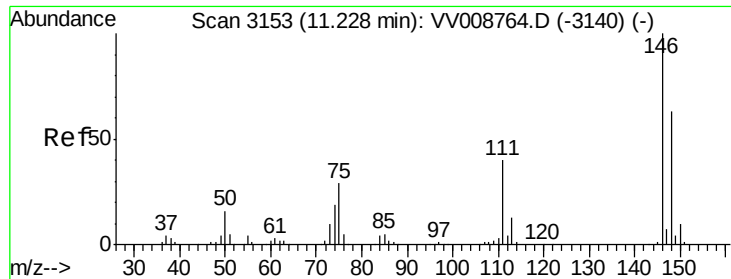
Tgt Ion: 75 Resp: 35129
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.9 40.3



#61
 Bromoform
 Concen: 5.007 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

Tgt Ion: 173 Resp: 21075
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.6 59.4
 254 8.6 6.9 10.3

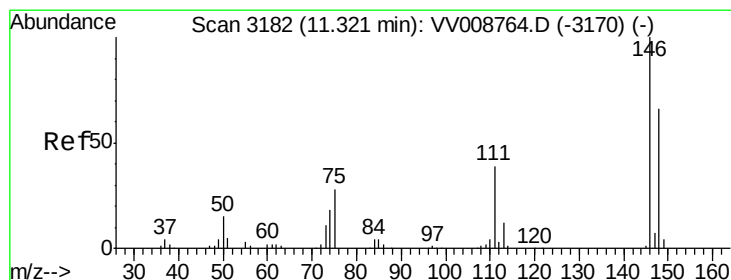
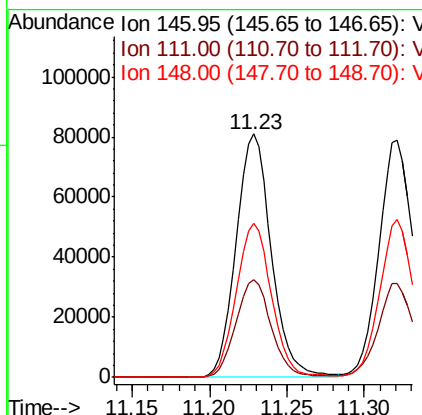
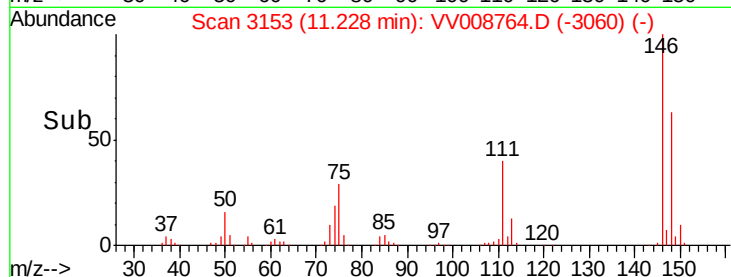
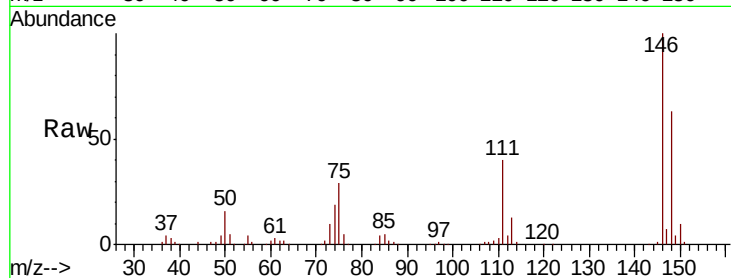




#62
 1,3-Dichlorobenzene
 Concen: 5.088 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

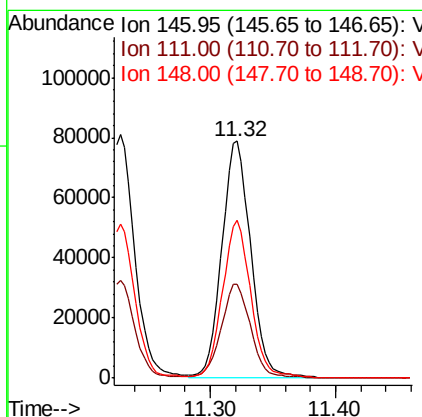
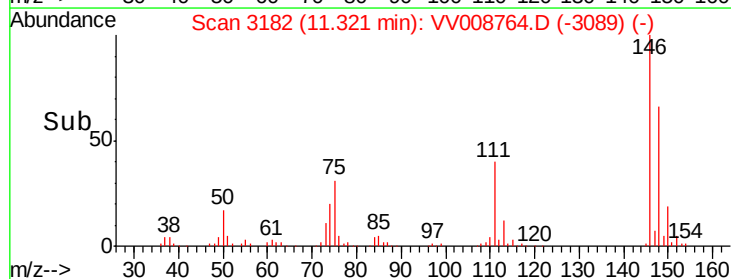
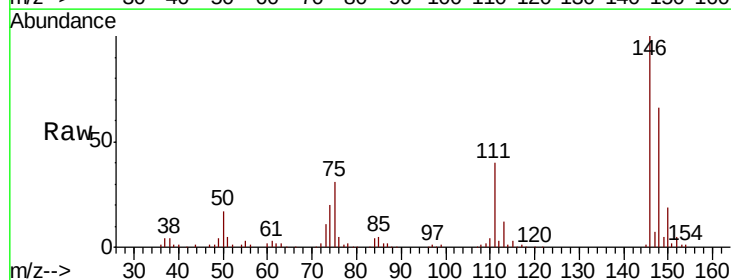
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

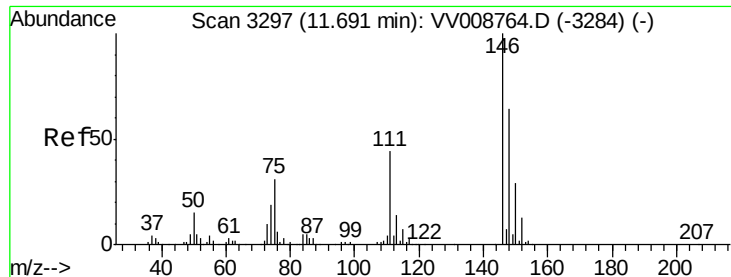
Tgt Ion:146 Resp: 127897
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.1 52.1
 148 63.4 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 4.703 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

Tgt Ion:146 Resp: 126619
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.6 51.4
 148 66.4 46.5 86.3





#65

1,2-Dichlorobenzene

Concen: 4.761 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

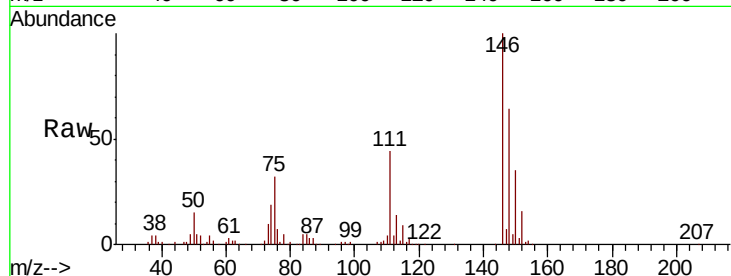
Tgt Ion:146 Resp: 119280

Ion Ratio Lower Upper

146 100

111 43.5 34.8 52.2

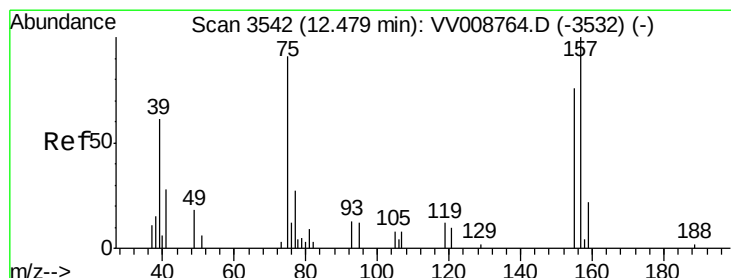
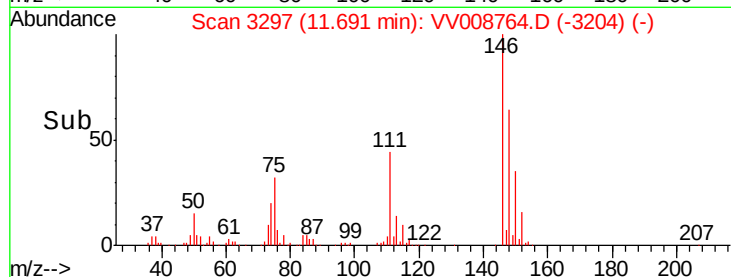
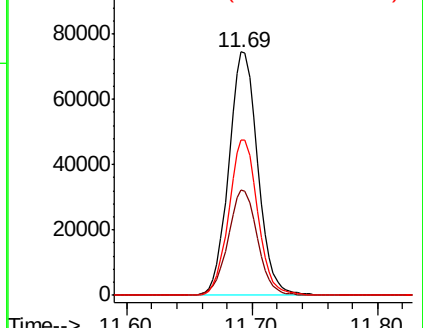
148 63.9 51.1 76.7



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: 4.971 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

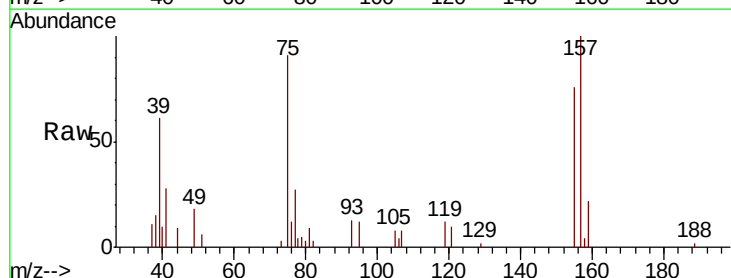
Tgt Ion: 75 Resp: 6133

Ion Ratio Lower Upper

75 100

155 83.4 66.7 100.1

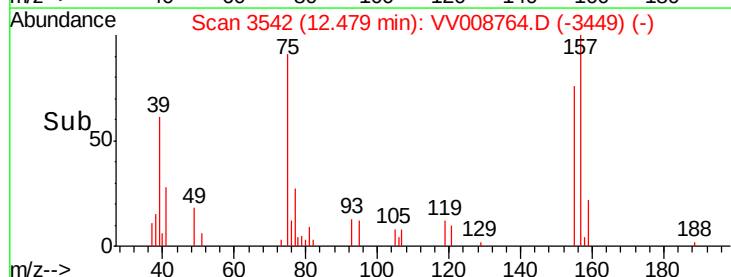
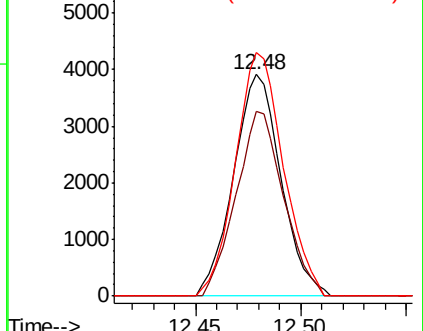
157 110.0 88.0 132.0

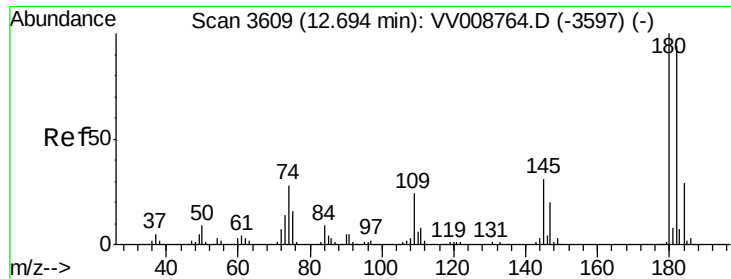


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

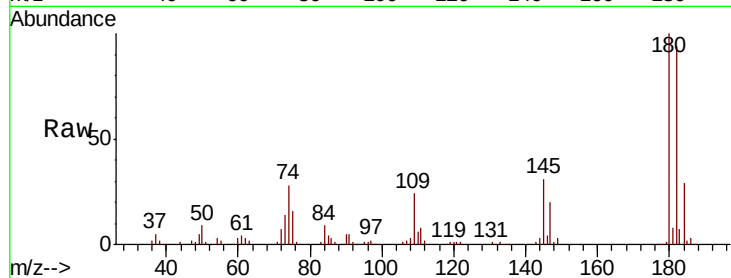




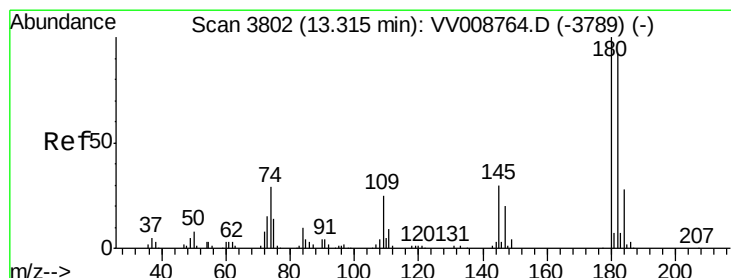
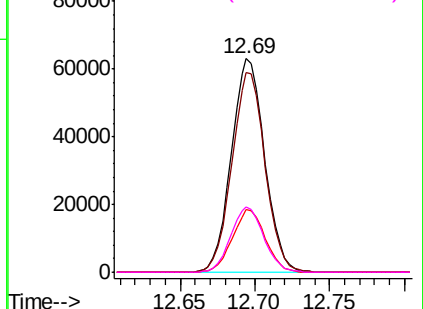
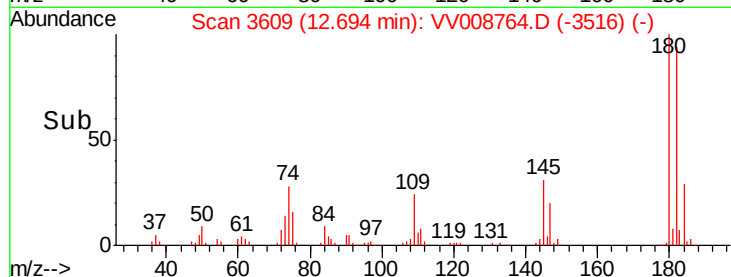
#67
 1,3,5-Trichlorobenzene
 Concen: 5.294 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion:180 Resp: 97440
 Ion Ratio Lower Upper
 180 100
 182 93.4 74.7 112.1
 184 29.1 23.3 34.9
 145 30.3 24.2 36.4

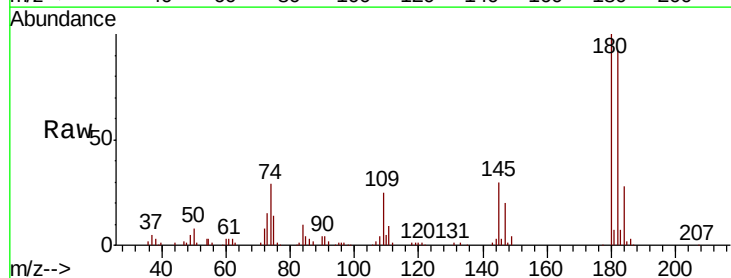


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

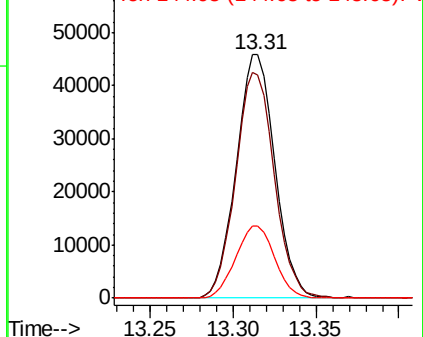
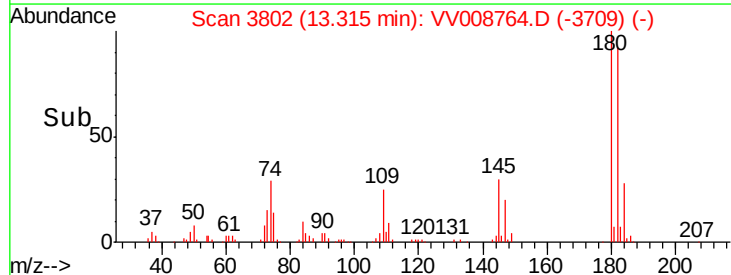


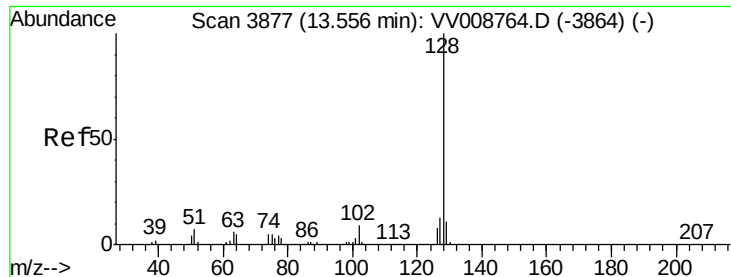
#68
 1,2,4-trichlorobenzene
 Concen: 5.446 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008764.D
 Acq: 29 Nov 2018 15:19

Tgt Ion:180 Resp: 74083
 Ion Ratio Lower Upper
 180 100
 182 92.8 74.2 111.4
 145 30.1 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: 5.313 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

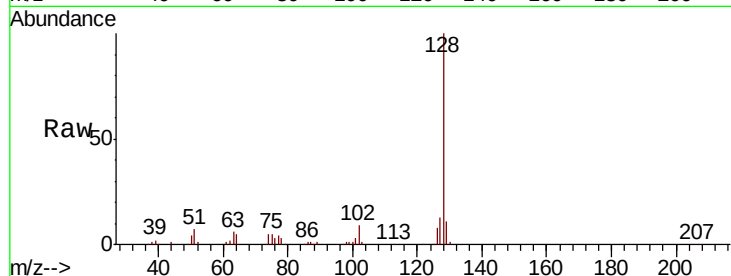
Tgt Ion:128 Resp: 105046

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

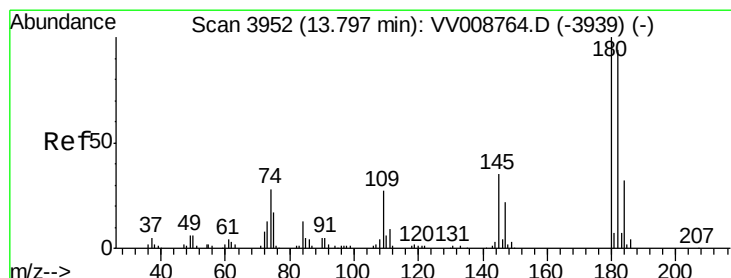
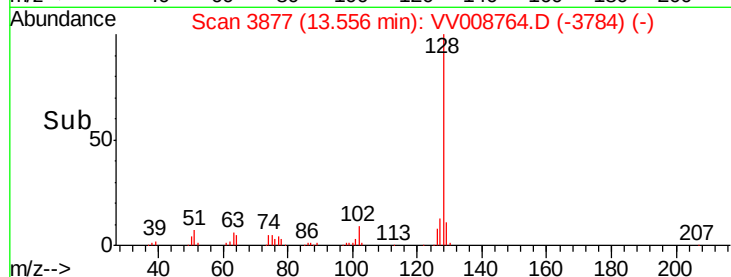
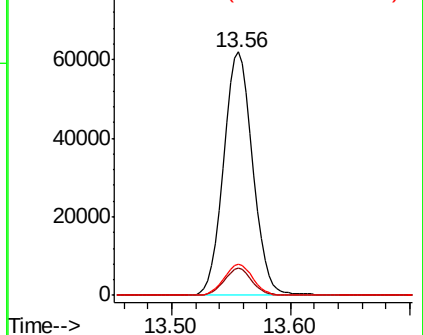
127 12.6 10.1 15.1



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: 5.463 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008764.D

Acq: 29 Nov 2018 15:19

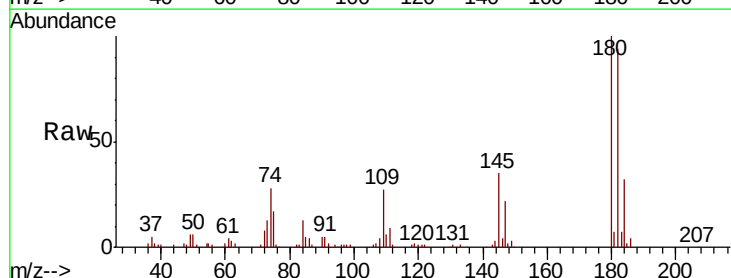
Tgt Ion:180 Resp: 67070

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 34.5 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

