

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082818\
 Data File : VV007225.D
 Acq On : 28 Aug 2018 13:14
 Operator : SY/MD
 Sample : VSTD01079
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01079

Quant Time: Aug 29 00:41:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 00:40:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	255104	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	252660	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	124701	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	174967	9.89	ug/L	0.00
7) Chloroethane-d5	1.58	69	142690	9.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	307293	9.59	ug/L	0.00
20) 2-Butanone-d5	3.96	46	482823	115.75	ug/L	0.00
24) Chloroform-d	4.40	84	360797	10.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	176530	10.23	ug/L	0.00
32) Benzene-d6	5.10	84	728125	10.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	229311	10.01	ug/L	0.00
41) Toluene-d8	7.36	98	672783	10.79	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	84262	10.54	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	268287	114.92	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	182234	10.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	234229	9.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	192910	8.928 ug/L	100
3) Chloromethane	1.25	50	206366	8.730 ug/L	99
5) Vinyl chloride	1.32	62	199716	9.057 ug/L	100
6) Bromomethane	1.54	94	70934	9.671 ug/L	100
8) Chloroethane	1.60	64	120416	8.871 ug/L	98
9) Trichlorofluoromethane	1.77	101	278030	9.316 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	173303	9.268 ug/L	98
12) 1,1-Dichloroethene	2.14	96	158084	9.068 ug/L	90
13) Acetone	2.21	43	217874	88.413 ug/L	98
14) Carbon disulfide	2.32	76	444361	8.880 ug/L	100
15) Methyl Acetate	2.47	43	62113	9.819 ug/L	93
16) Methylene chloride	2.54	84	175552	8.546 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	406486	9.637 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	173224	9.136 ug/L	97
19) 1,1-Dichloroethane	3.23	63	354407	9.890 ug/L	100
21) 2-Butanone	4.05	43	518064	105.162 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	202787	9.649 ug/L	98
23) Bromochloromethane	4.31	128	90939	9.445 ug/L	98
25) Chloroform	4.43	83	355980	9.317 ug/L	98
27) 1,2-Dichloroethane	5.19	62	213509	9.825 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	301128	9.230 ug/L	99
30) Cyclohexane	4.73	56	284291	9.816 ug/L	97
31) Carbon tetrachloride	4.88	117	257385	9.430 ug/L	100
33) Benzene	5.15	78	797785	9.634 ug/L	100
34) Trichloroethene	5.96	95	190254	9.517 ug/L	98
35) Methylcyclohexane	6.18	83	309111	10.386 ug/L	99
37) 1,2-Dichloropropane	6.23	63	212718	9.532 ug/L	99
38) Bromodichloromethane	6.56	83	247872	9.540 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	270602	10.190 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	1187598	107.659 ug/L	99

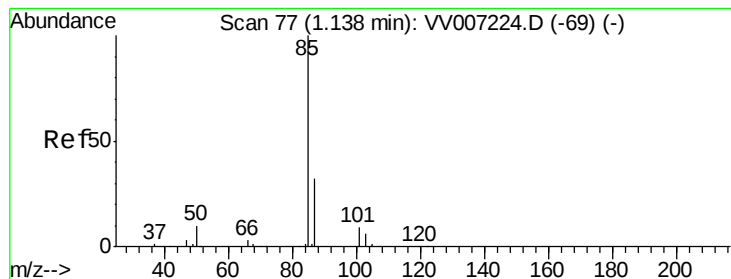
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082818\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	822303	10.360	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	228181	10.336	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	145437	9.601	ug/L	98
47) Tetrachloroethene	8.02	164	158797	9.501	ug/L	97
48) 2-Hexanone	8.20	43	895319	108.414	ug/L	98
49) Dibromochloromethane	8.30	129	168394	10.111	ug/L	98
50) 1,2-Dibromoethane	8.40	107	129061	10.138	ug/L	99
51) Chlorobenzene	8.93	112	525911	9.983	ug/L	100
52) Ethylbenzene	9.06	91	831906	10.609	ug/L	100
53) m,p-xylene	9.19	106	322788	10.907	ug/L	99
54) o-xylene	9.59	106	304099	10.772	ug/L	98
55) Styrene	9.61	104	559665	11.541	ug/L	100
56) Isopropylbenzene	9.98	105	812033	10.970	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	178577	10.012	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	126813	9.817	ug/L	99
61) Bromoform	9.78	173	93796	9.443	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	377902	9.490	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	397746	9.465	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	386387	9.680	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	22142	9.698	ug/L	90
67) 1,3,5-Trichlorobenzene	12.70	180	293421	9.874	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	215881	10.825	ug/L	99
69) Naphthalene	13.56	128	268200	10.317	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	207160	10.696	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 8.928 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

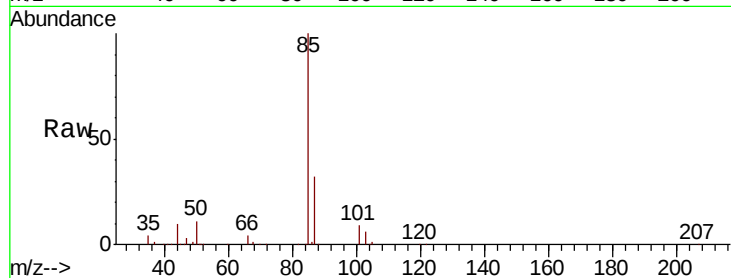
VSTD01079

Tgt Ion: 85 Resp: 192910

Ion Ratio Lower Upper

85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007224.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007225.D (-1) (-)

1.14

200000

150000

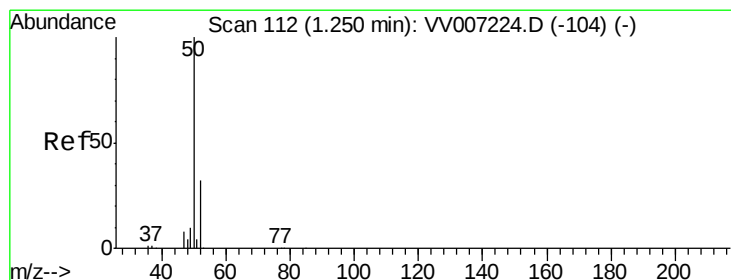
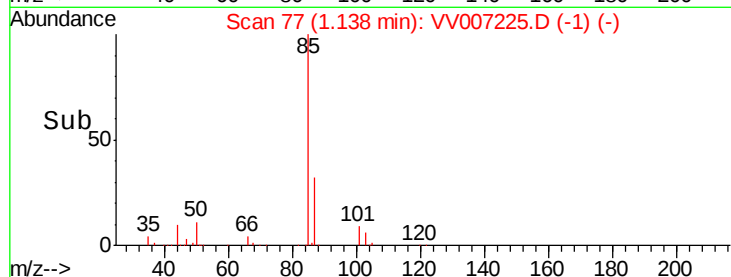
100000

50000

0

Time-->

1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 8.730 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007225.D

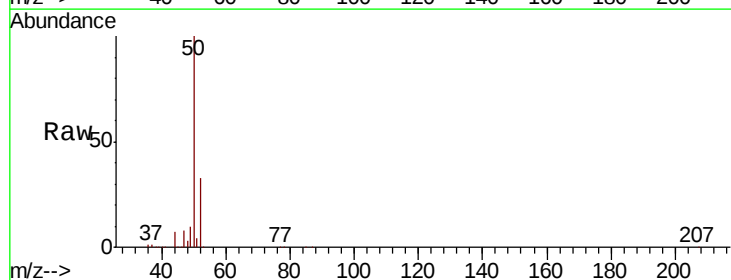
Acq: 28 Aug 2018 13:14

Tgt Ion: 50 Resp: 206366

Ion Ratio Lower Upper

50 100

52 33.0 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV007224.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV007225.D (-19) (-)

1.25

200000

150000

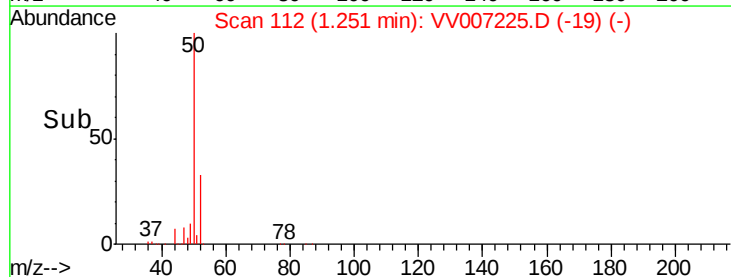
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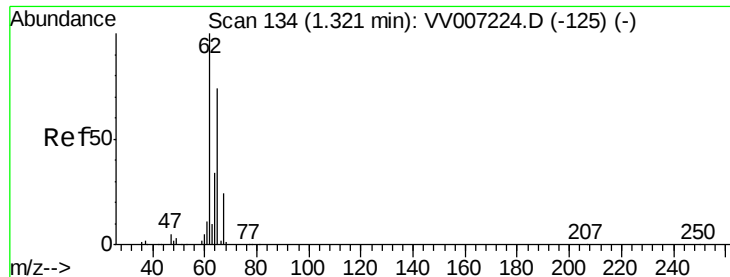
50000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 9.057 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

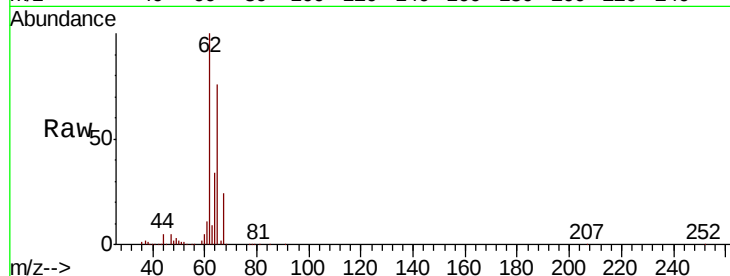
VSTD01079

Tgt Ion: 62 Resp: 199716

Ion Ratio Lower Upper

62 100

64 33.8 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

200000

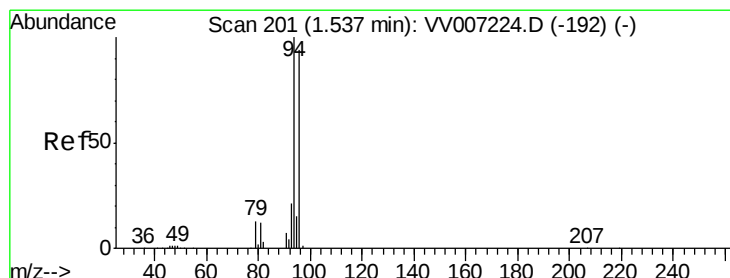
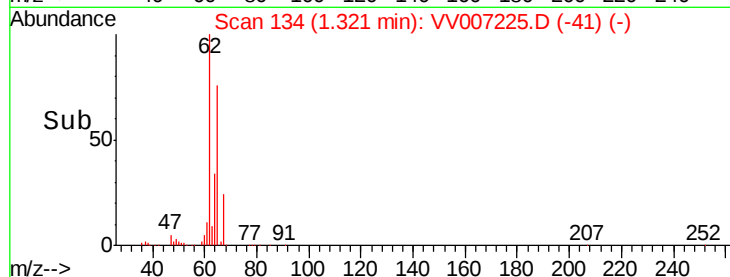
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 9.671 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007225.D

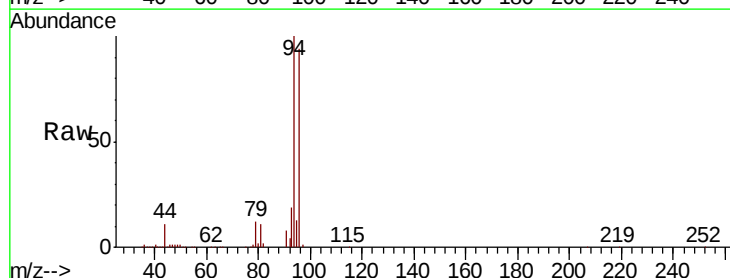
Acq: 28 Aug 2018 13:14

Tgt Ion: 94 Resp: 70934

Ion Ratio Lower Upper

94 100

96 93.7 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

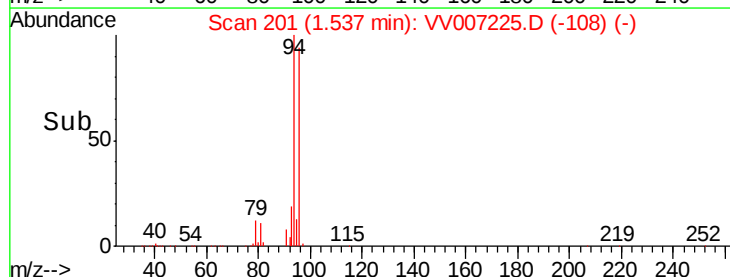
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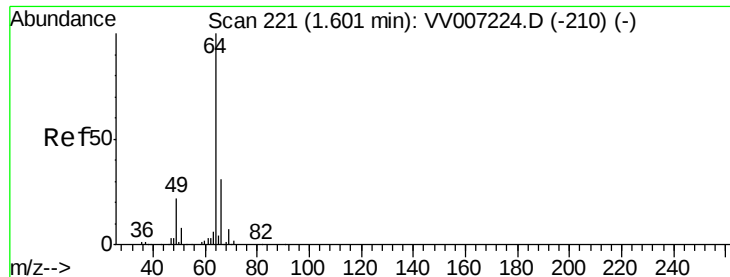
40000

20000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 8.871 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

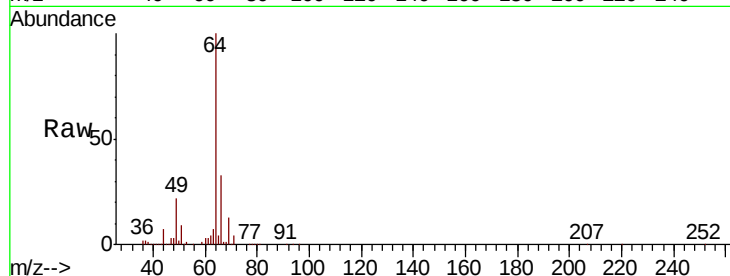
VSTD01079

Tgt Ion: 64 Resp: 120416

Ion Ratio Lower Upper

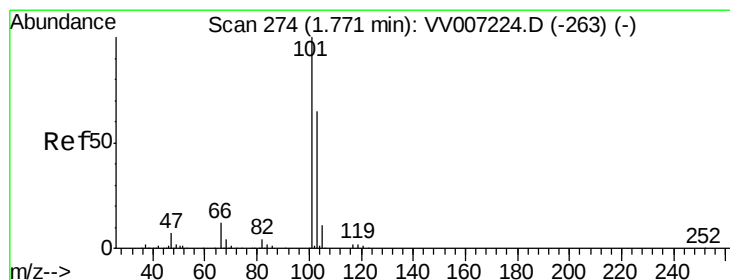
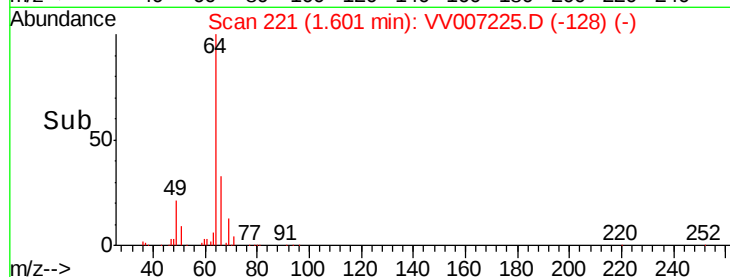
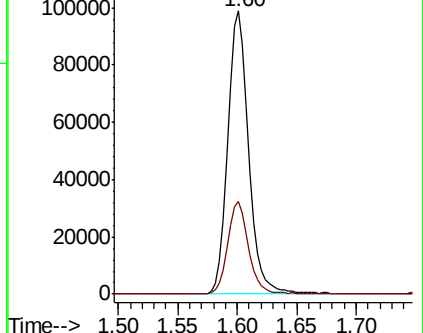
64 100

66 32.7 22.2 41.2



Abundance Ion 64.10 (63.80 to 64.80): VV007225.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV007225.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 9.316 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007225.D

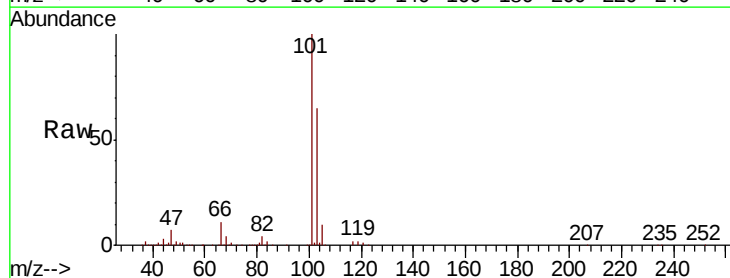
Acq: 28 Aug 2018 13:14

Tgt Ion: 101 Resp: 278030

Ion Ratio Lower Upper

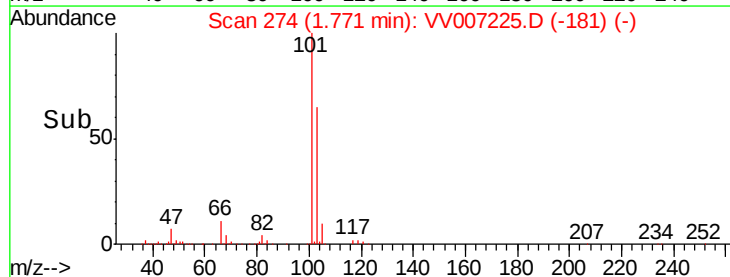
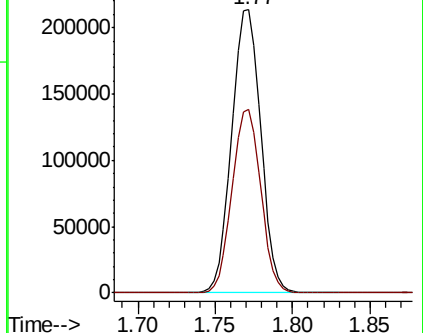
101 100

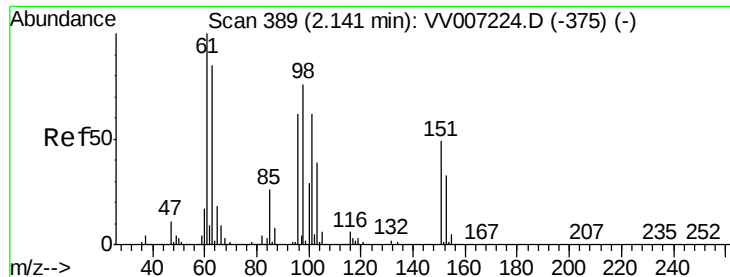
103 64.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV007225.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV007225.D (-181) (-)





#10

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

Concen: 9.268 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD01079

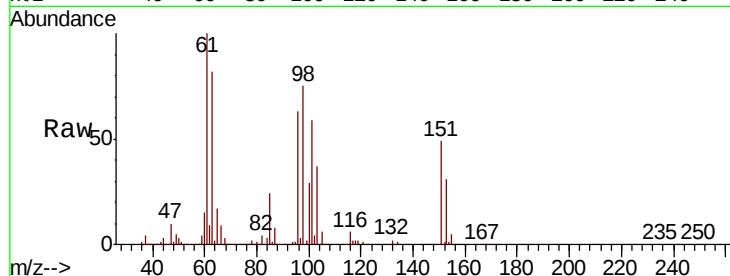
Tgt Ion: 101 Resp: 173303

Ion Ratio Lower Upper

101 100

85 40.3 33.2 49.8

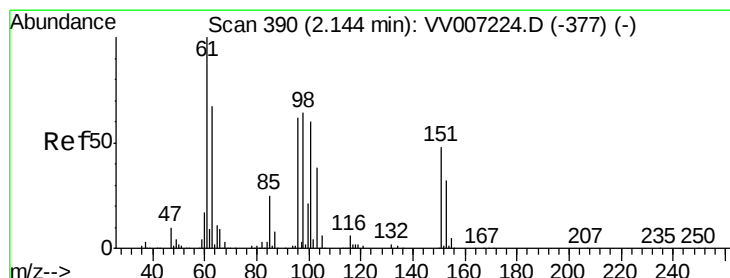
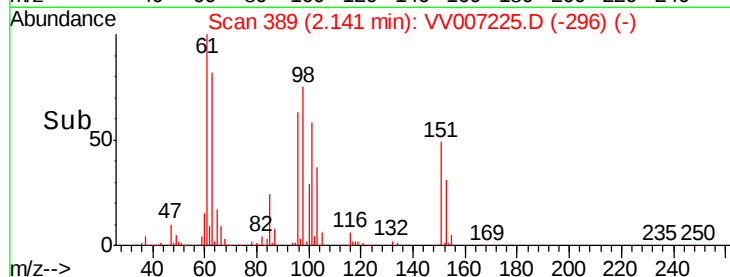
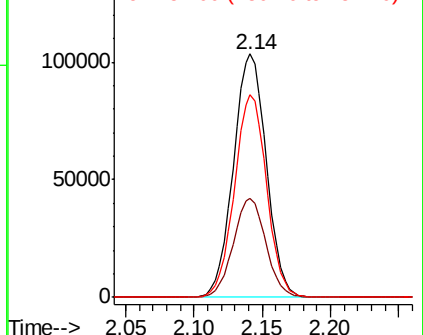
151 81.3 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV007225.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV007225.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV007225.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 9.068 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

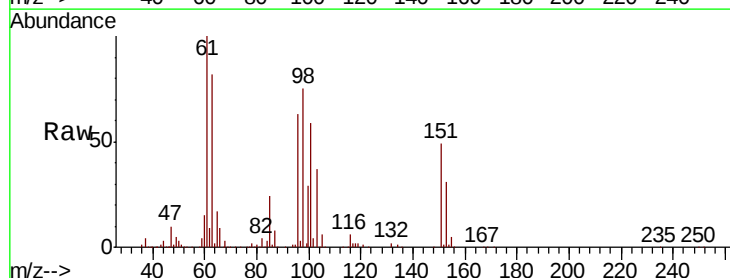
Tgt Ion: 96 Resp: 158084

Ion Ratio Lower Upper

96 100

61 159.8 112.3 208.5

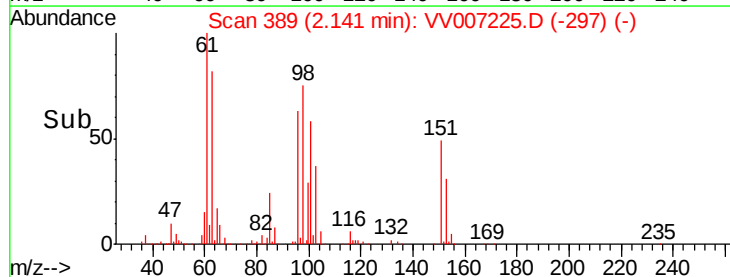
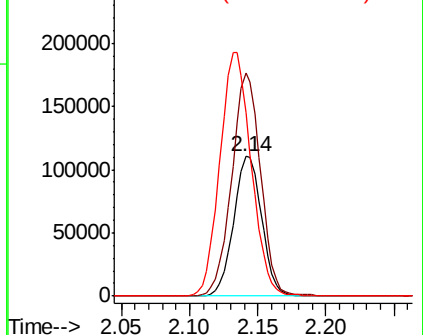
63 131.6 75.4 140.0

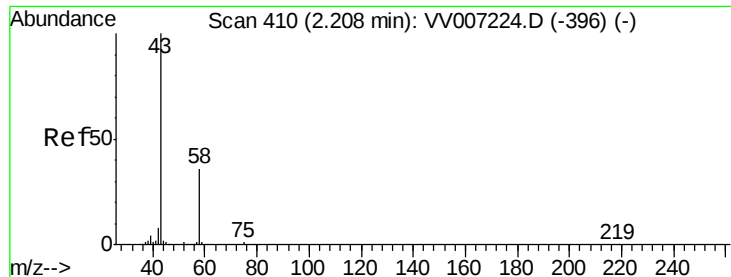


Abundance Ion 96.00 (95.70 to 96.70): VV007225.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV007225.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV007225.D (-297) (-)





#13

Acetone

Concen: 88.413 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

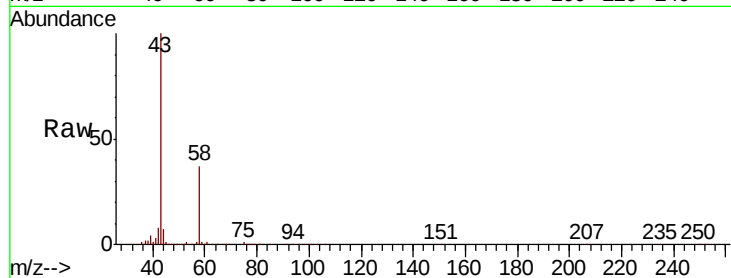
VSTD01079

Tgt Ion: 43 Resp: 217874

Ion Ratio Lower Upper

43 100

58 36.4 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VV007224.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007224.D (-396) (-)

2.21

80000

60000

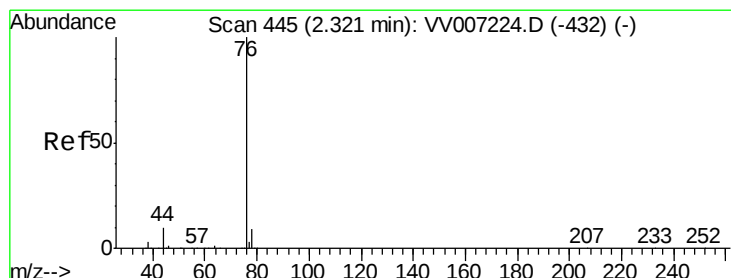
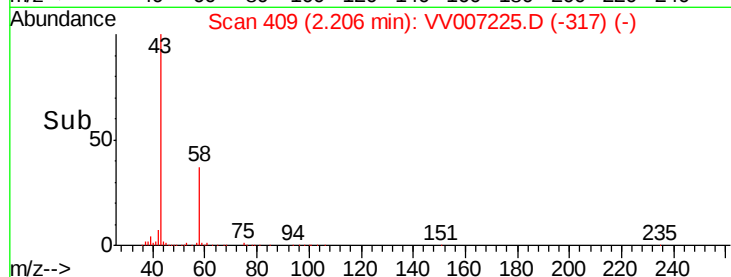
40000

20000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 8.880 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007225.D

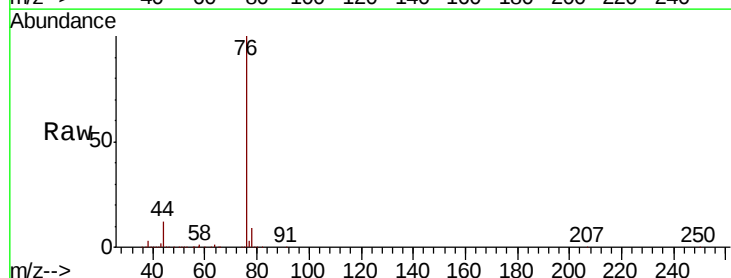
Acq: 28 Aug 2018 13:14

Tgt Ion: 76 Resp: 444361

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007224.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007224.D (-432) (-)

2.32

300000

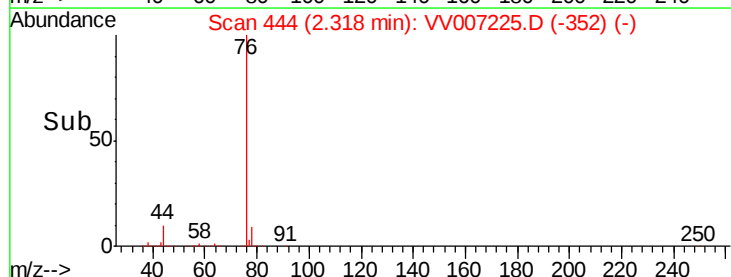
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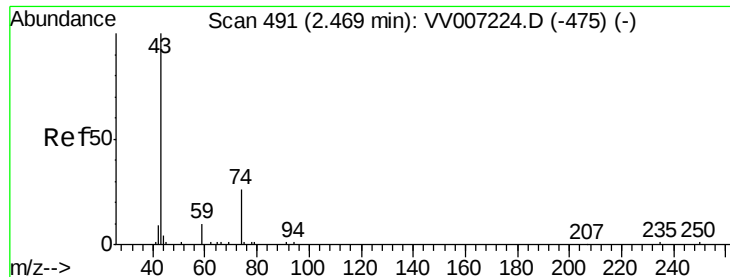
100000

0

2.30 2.40

Time-->

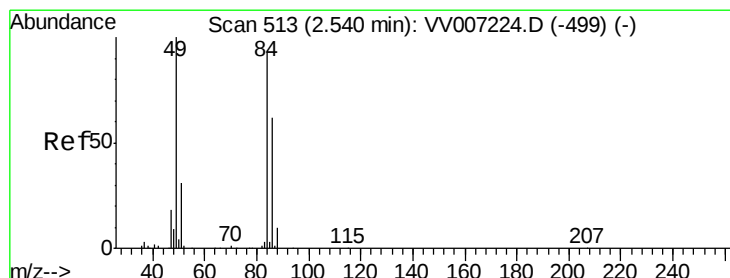
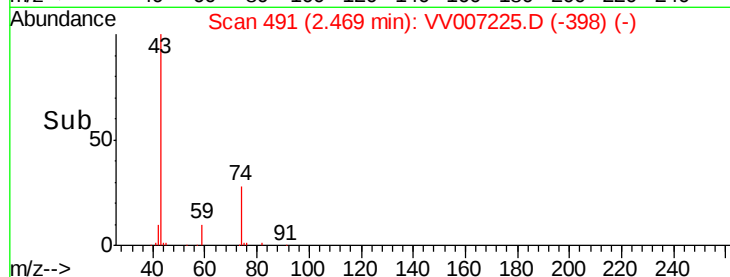
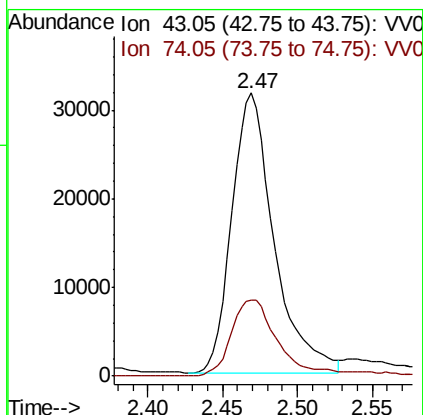
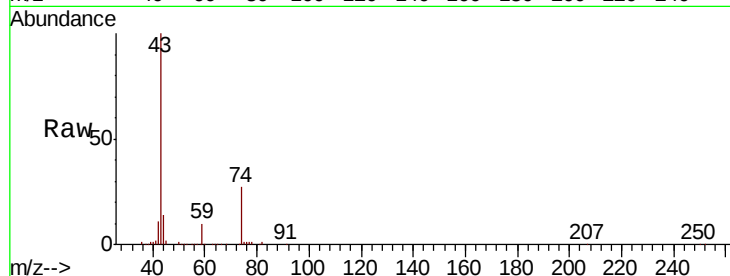




#15
Methyl Acetate
Concen: 9.819 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007225.D
Acq: 28 Aug 2018 13:14

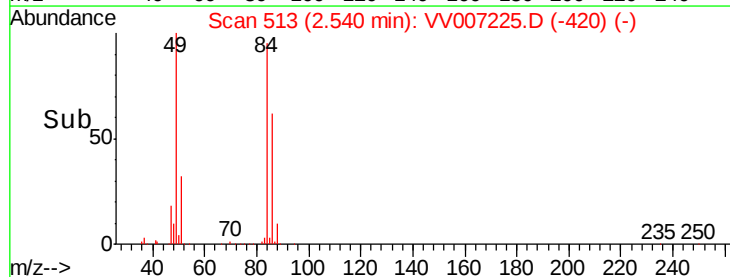
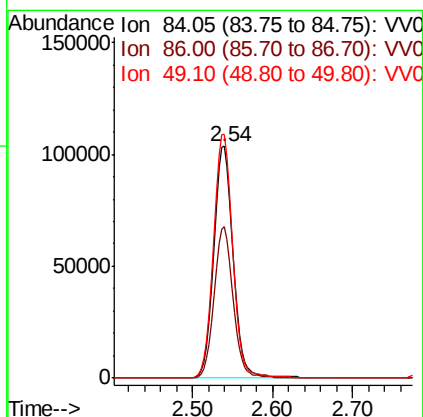
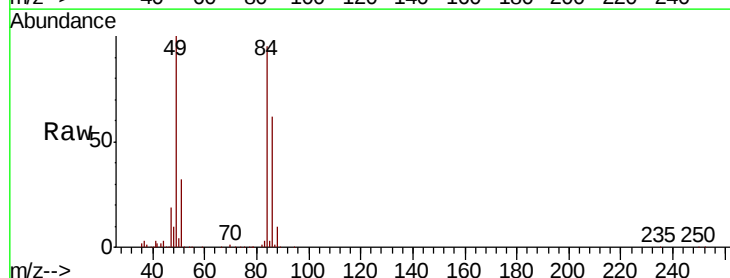
Instrument :
MSVOA_V
ClientSampleId :
VSTD01079

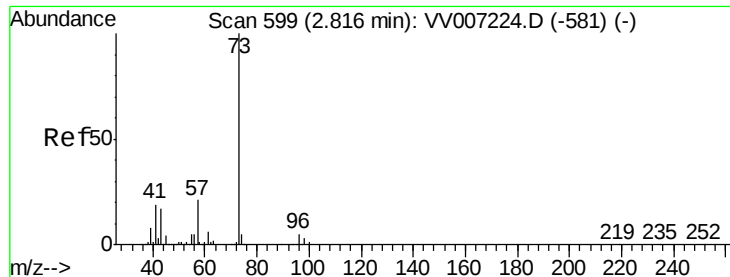
Tgt Ion: 43 Resp: 62113
Ion Ratio Lower Upper
43 100
74 31.3 22.2 33.2



#16
Methylene chloride
Concen: 8.546 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007225.D
Acq: 28 Aug 2018 13:14

Tgt Ion: 84 Resp: 175552
Ion Ratio Lower Upper
84 100
86 65.3 46.3 85.9
49 104.8 75.2 139.6

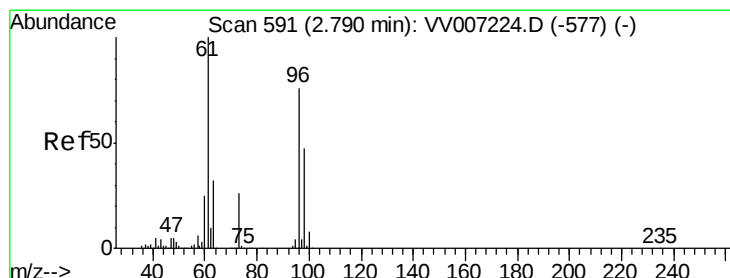
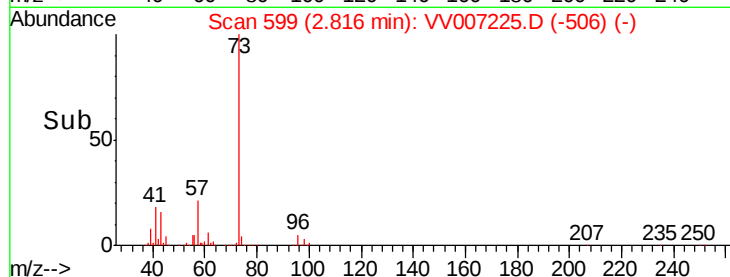
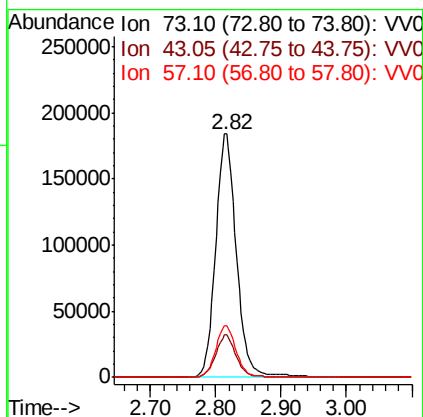
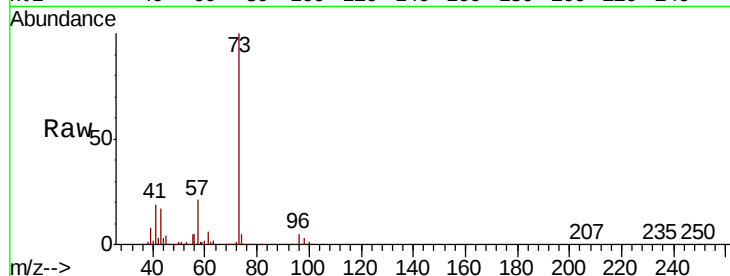




#17
Methyl tert-butyl Ether
Concen: 9.637 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV007225.D
Acq: 28 Aug 2018 13:14

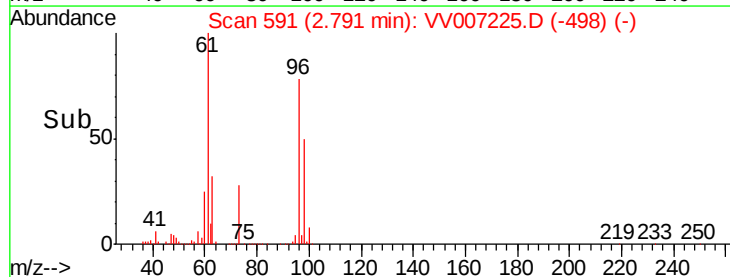
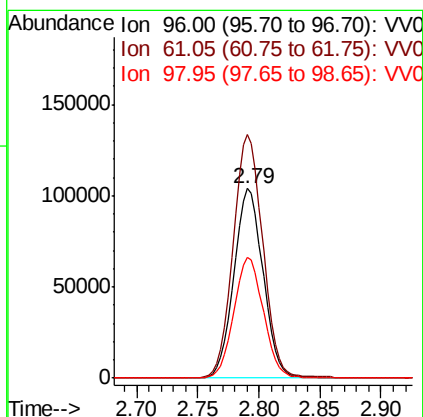
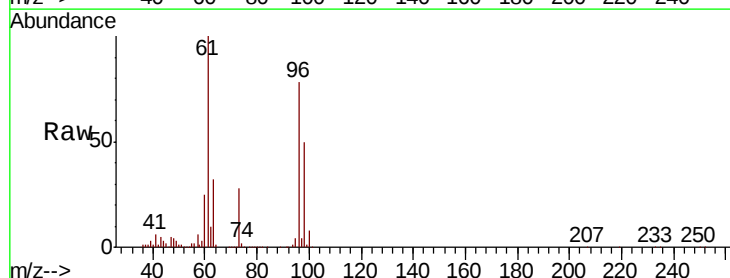
Instrument :
MSVOA_V
ClientSampleId :
VSTD01079

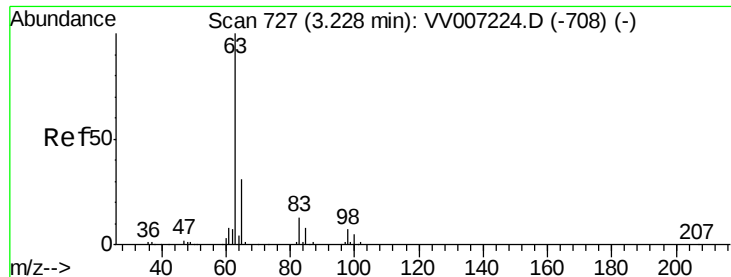
Tgt Ion: 73 Resp: 406486
Ion Ratio Lower Upper
73 100
43 17.0 13.8 20.6
57 21.2 16.9 25.3



#18
trans-1,2-Dichloroethene
Concen: 9.136 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV007225.D
Acq: 28 Aug 2018 13:14

Tgt Ion: 96 Resp: 173224
Ion Ratio Lower Upper
96 100
61 128.3 92.7 172.1
98 63.6 43.2 80.2

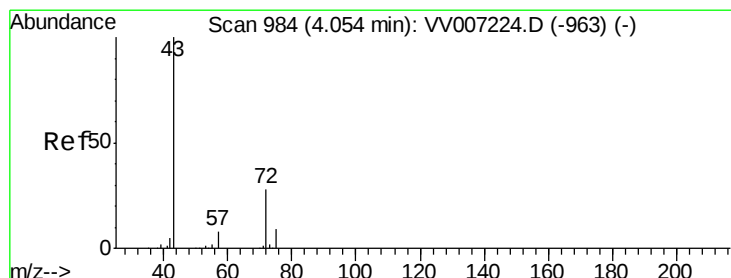
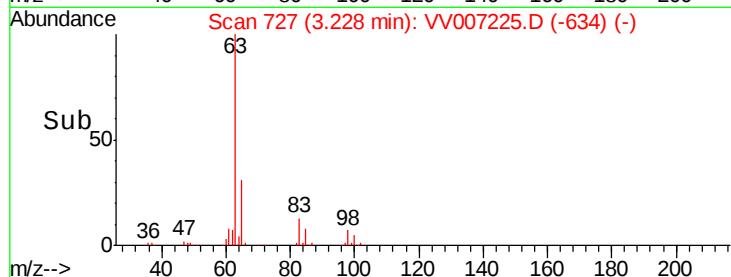
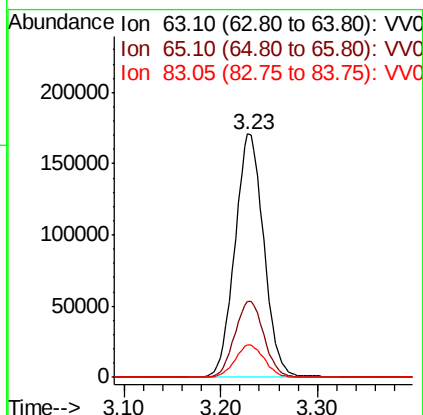
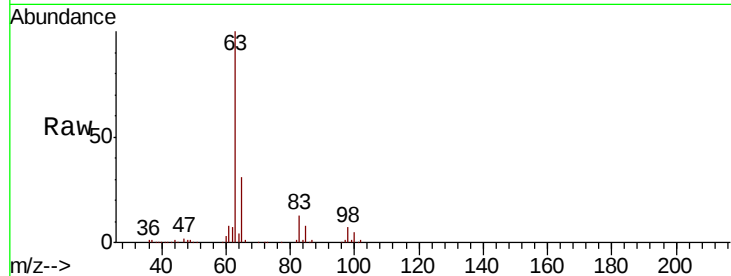




#19
 1,1-Dichloroethane
 Concen: 9.890 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

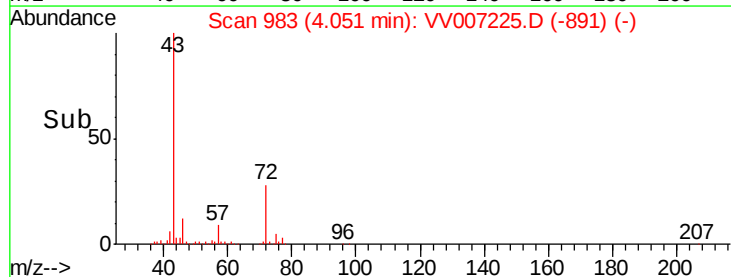
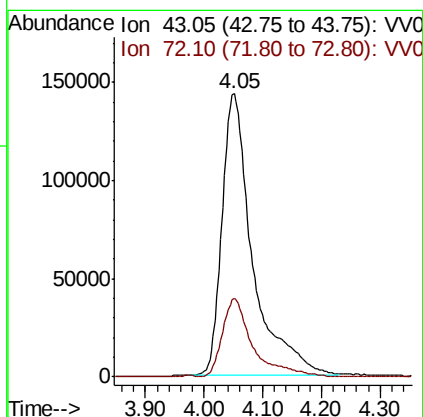
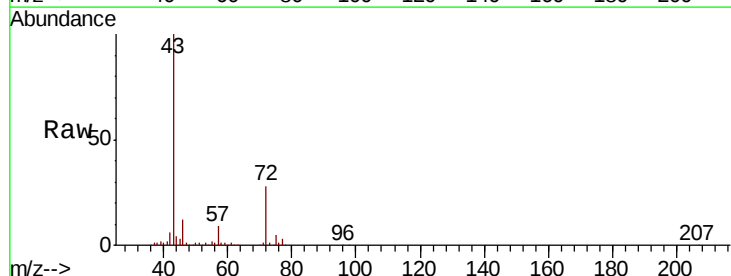
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01079

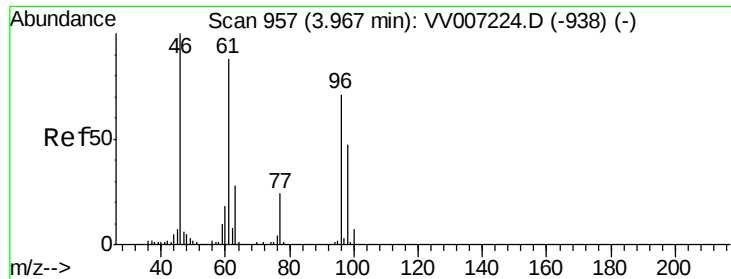
Tgt Ion: 63 Resp: 354407
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.8 40.4
 83 13.2 9.4 17.4



#21
 2-Butanone
 Concen: 105.162 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Tgt Ion: 43 Resp: 518064
 Ion Ratio Lower Upper
 43 100
 72 27.7 12.4 37.0



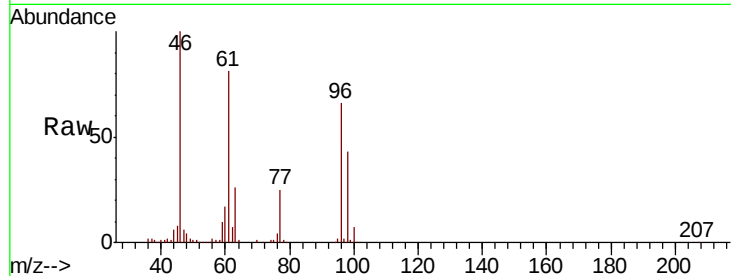


#22

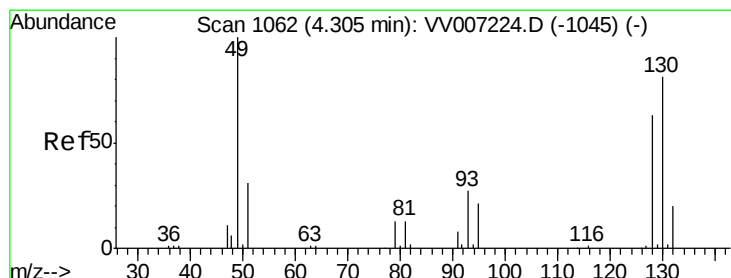
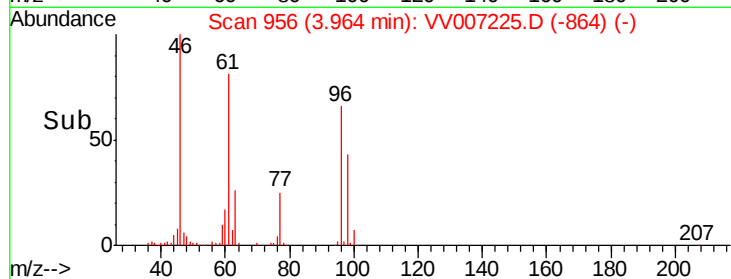
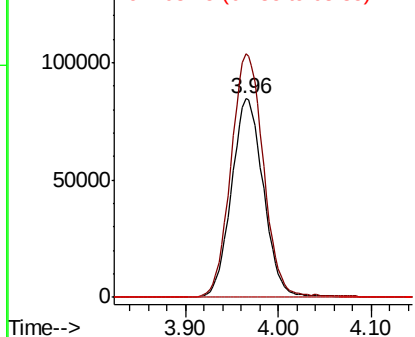
cis-1,2-Dichloroethene
 Concen: 9.649 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01079

Tgt Ion: 96 Resp: 202787
 Ion Ratio Lower Upper
 96 100
 61 122.6 87.1 161.7
 68 0.0 0.0 0.0



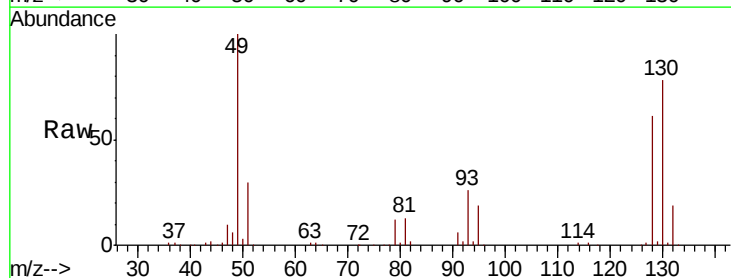
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



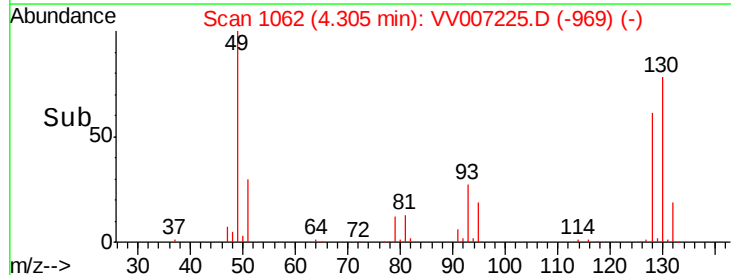
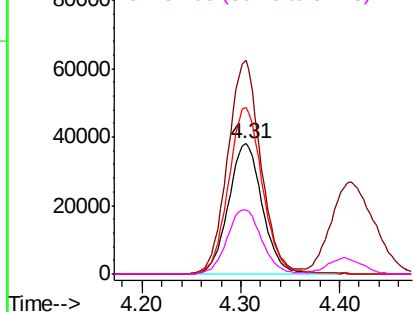
#23

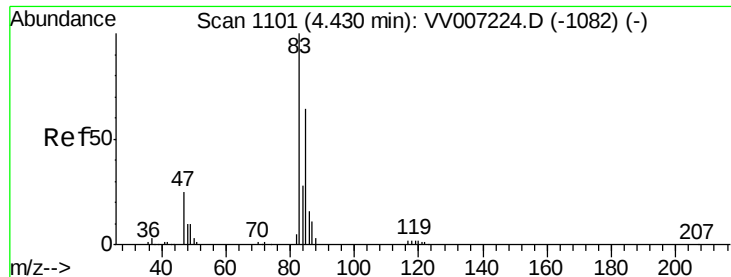
Bromochloromethane
 Concen: 9.445 ug/L
 RT: 4.31 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Tgt Ion: 128 Resp: 90939
 Ion Ratio Lower Upper
 128 100
 49 164.1 111.1 206.3
 130 128.1 90.0 167.2
 51 49.6 39.6 59.4



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: 9.317 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

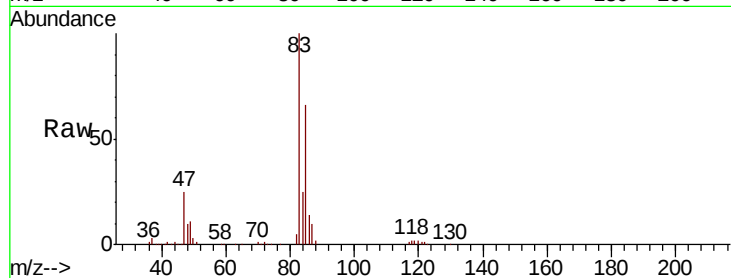
Instrument :
MSVOA_V
ClientSampleId :
VSTD01079

Tgt Ion: 83 Resp: 355980

Ion Ratio Lower Upper

83 100

85 65.6 45.0 83.6



Abundance Ion 83.05 (82.75 to 83.75): VV007225.D (-1082) (-)

Ion 85.00 (84.70 to 85.70): VV007225.D (-1082) (-)

4.43

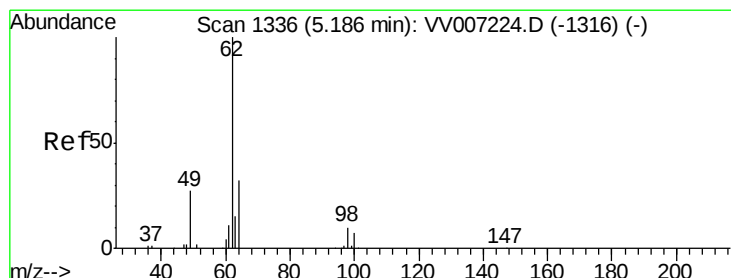
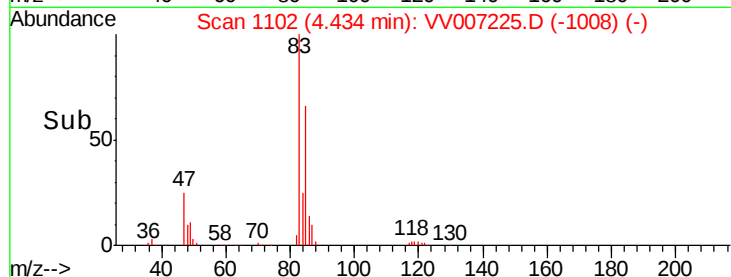
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 9.825 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV007225.D

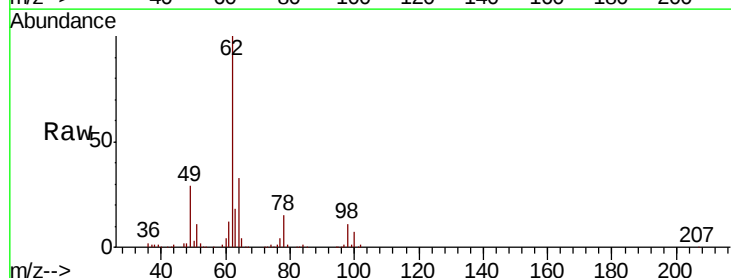
Acq: 28 Aug 2018 13:14

Tgt Ion: 62 Resp: 213509

Ion Ratio Lower Upper

62 100

98 10.8 8.1 12.1



Abundance Ion 62.00 (61.70 to 62.70): VV007225.D (-1243) (-)

Ion 98.05 (97.75 to 98.75): VV007225.D (-1243) (-)

5.19

100000

80000

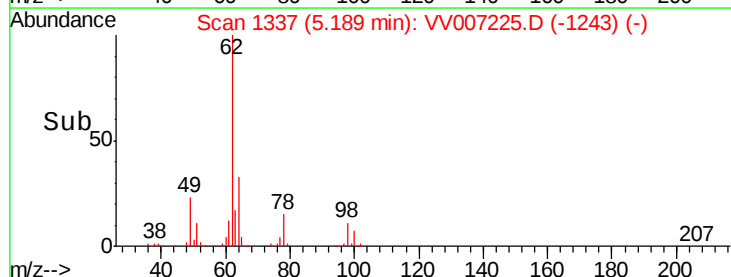
60000

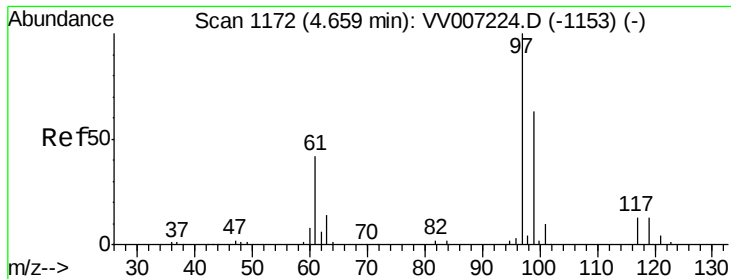
40000

20000

0

Time-->

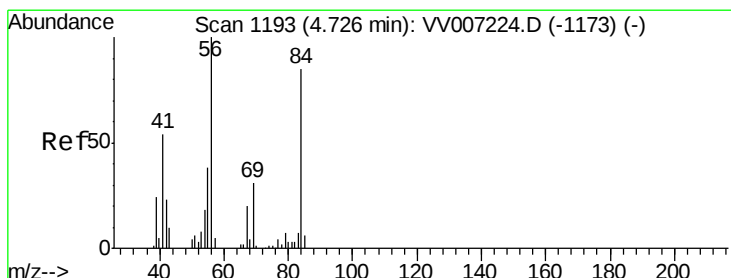
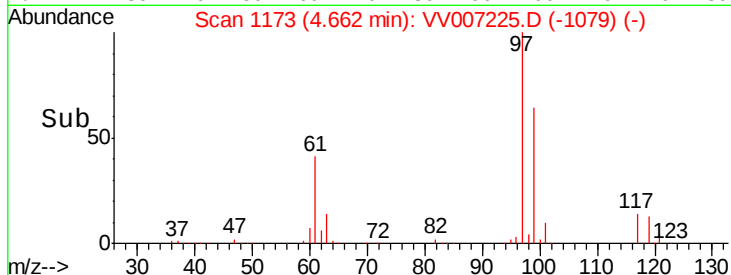
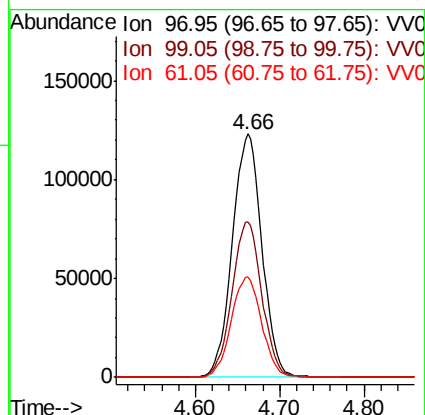
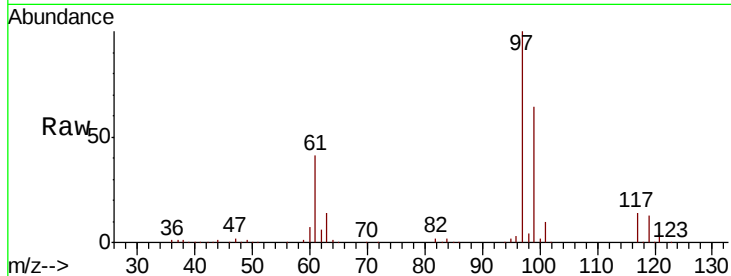




#29
 1,1,1-Trichloroethane
 Concen: 9.230 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

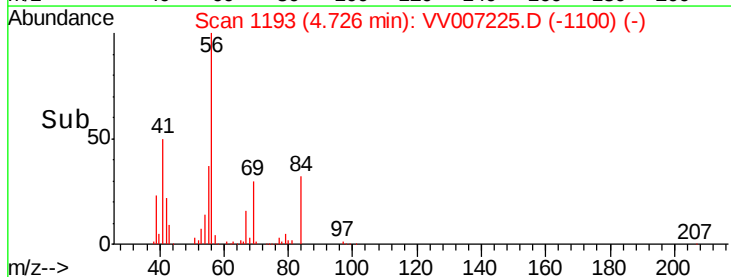
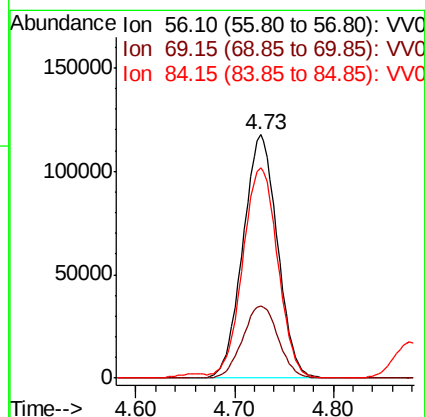
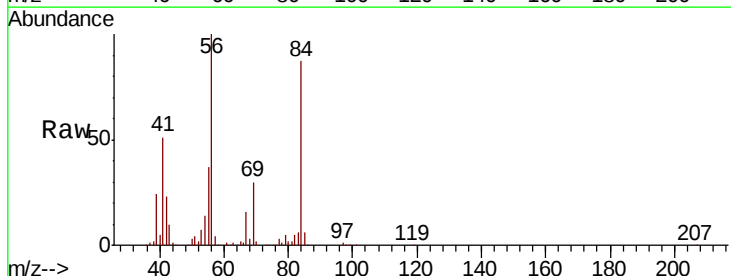
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01079

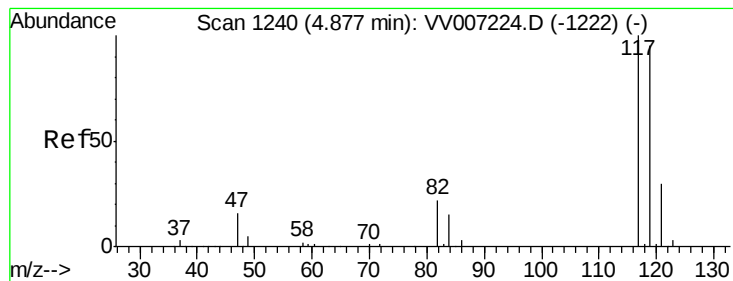
Tgt Ion: 97 Resp: 301128
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.8 76.2
 61 42.6 34.6 51.8



#30
 Cyclohexane
 Concen: 9.816 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Tgt Ion: 56 Resp: 284291
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.8 37.2
 84 87.6 72.9 109.3





#31

Carbon tetrachloride

Concen: 9.430 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

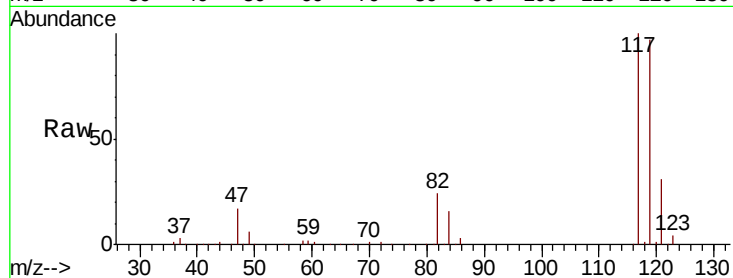
VSTD01079

Tgt Ion:117 Resp: 257385

Ion Ratio Lower Upper

117 100

119 96.3 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

120000

100000

80000

60000

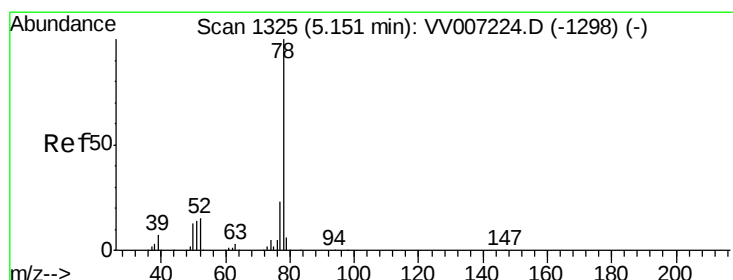
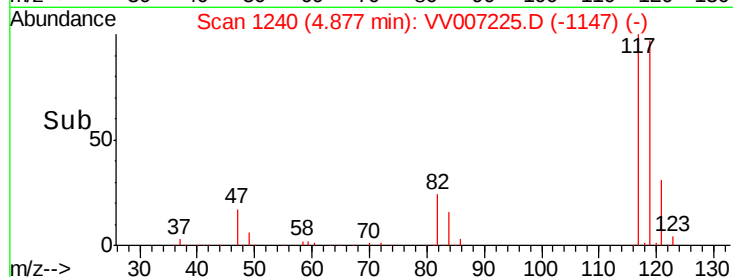
40000

20000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 9.634 ug/L

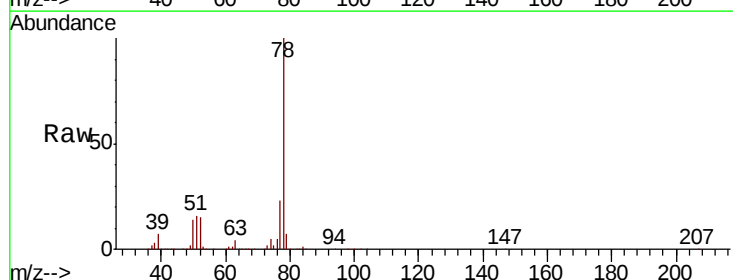
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Tgt Ion: 78 Resp: 797785



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

400000

300000

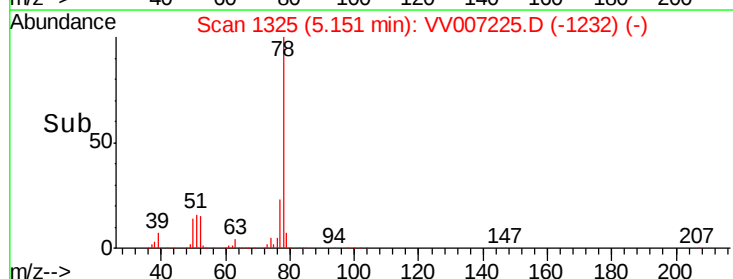
200000

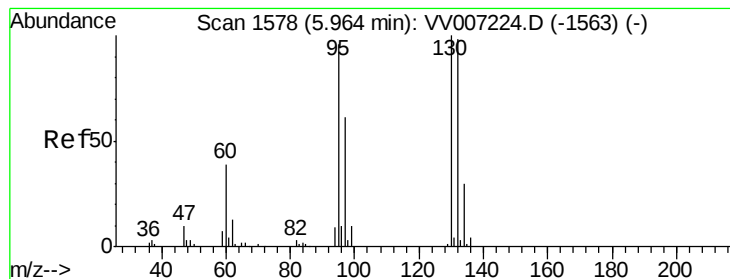
100000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 9.517 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD01079

Tgt Ion: 95 Resp: 190254

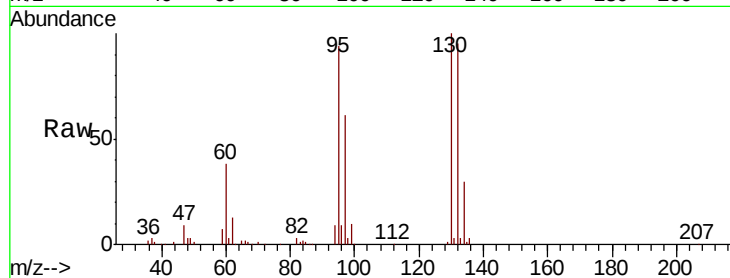
Ion Ratio Lower Upper

95 100

97 64.5 44.2 82.2

132 100.9 71.3 132.3

130 106.2 72.8 135.2

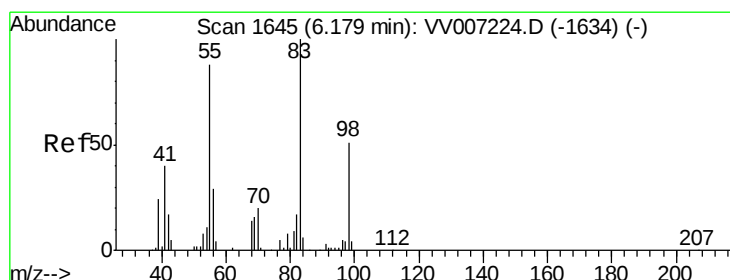
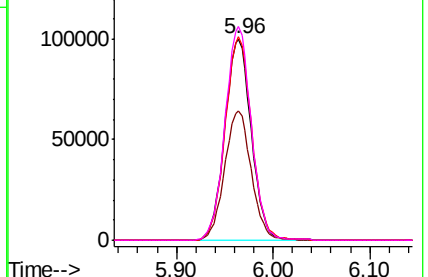
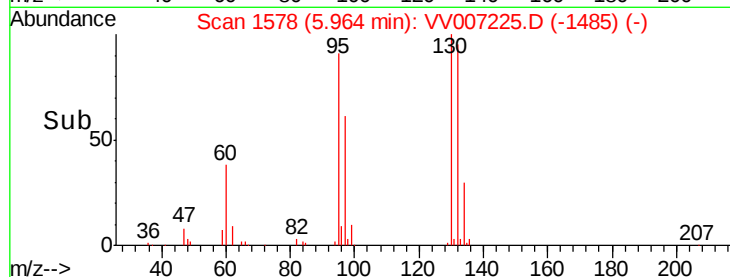


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.386 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

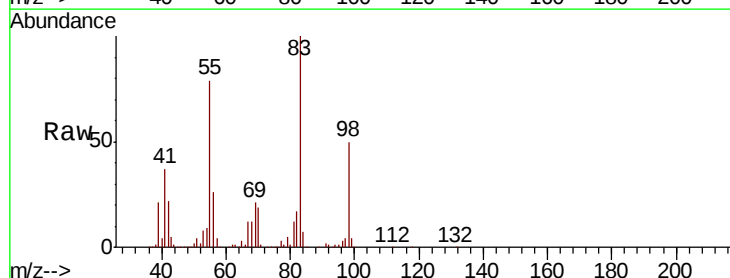
Tgt Ion: 83 Resp: 309111

Ion Ratio Lower Upper

83 100

55 78.4 64.0 96.0

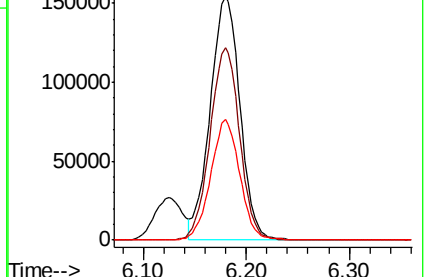
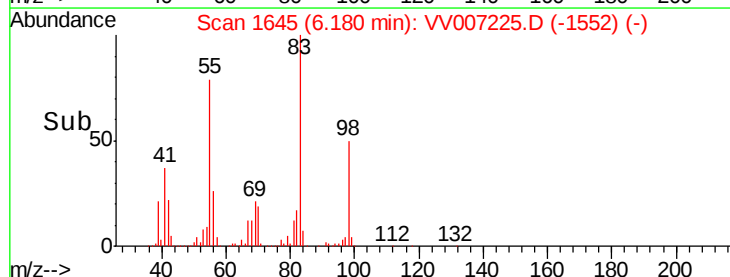
98 48.5 38.8 58.2

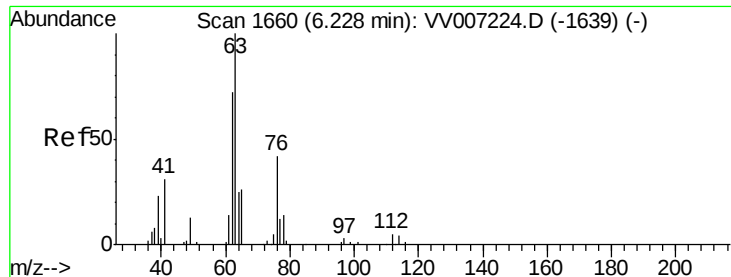


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

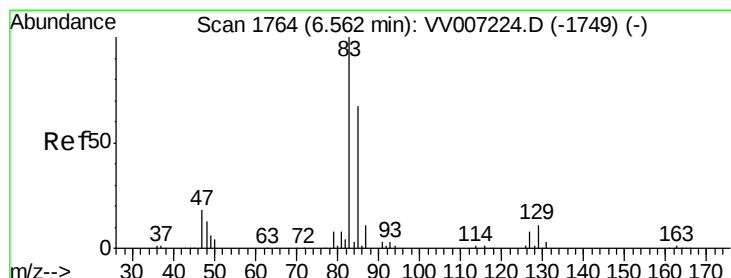
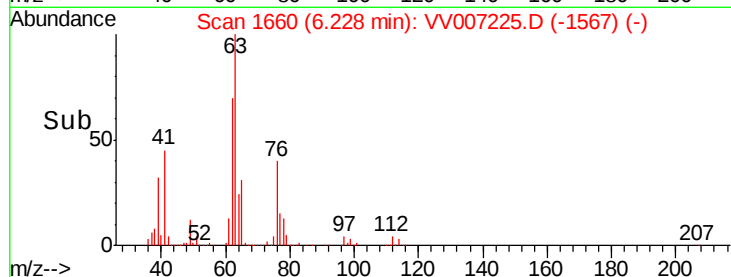
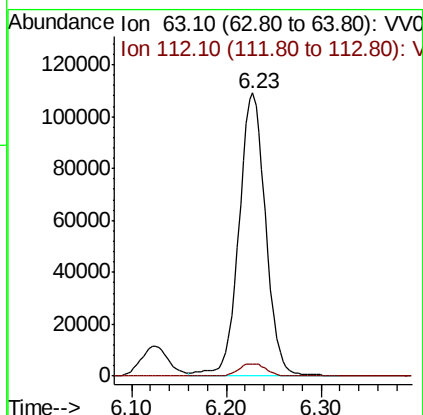
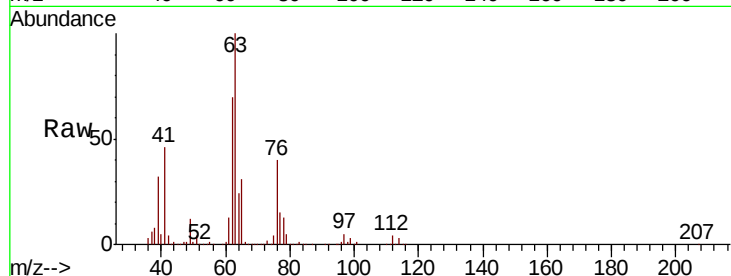




#37
 1,2-Dichloropropane
 Concen: 9.532 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

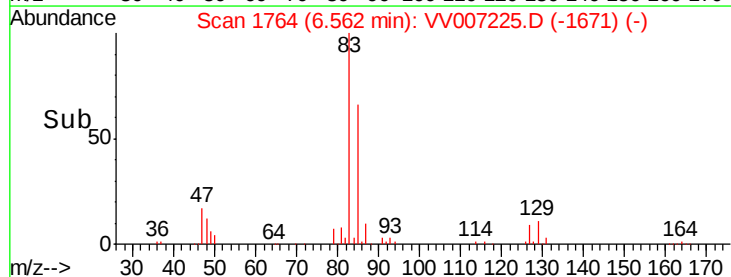
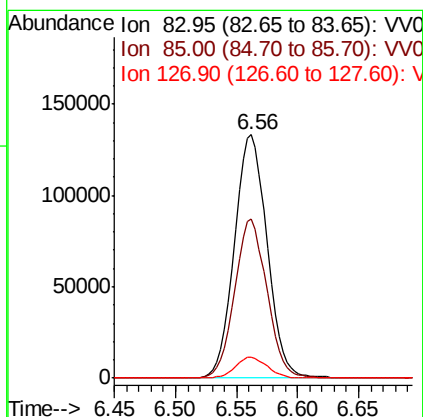
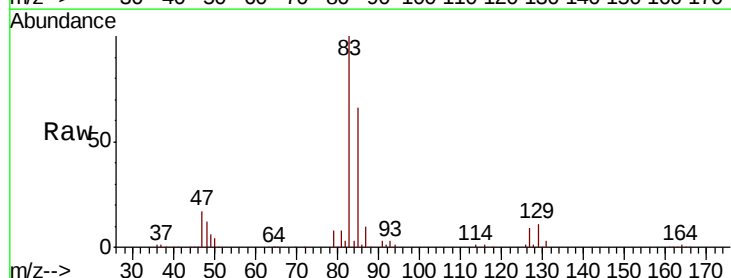
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01079

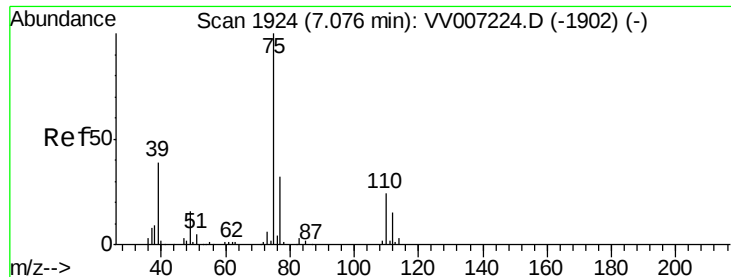
Tgt Ion: 63 Resp: 212718
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.9 5.9



#38
 Bromodichloromethane
 Concen: 9.540 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Tgt Ion: 83 Resp: 247872
 Ion Ratio Lower Upper
 83 100
 85 65.5 46.5 86.5
 127 8.7 6.6 10.0



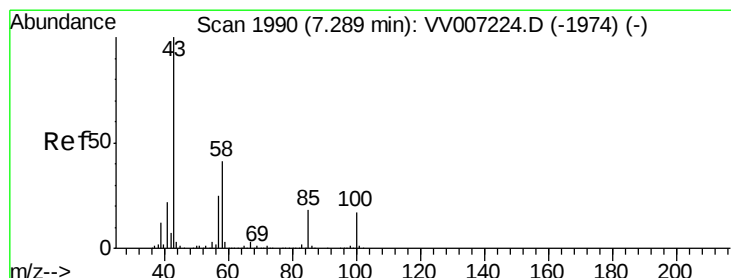
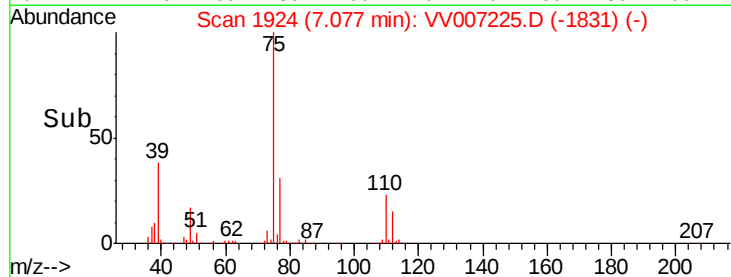
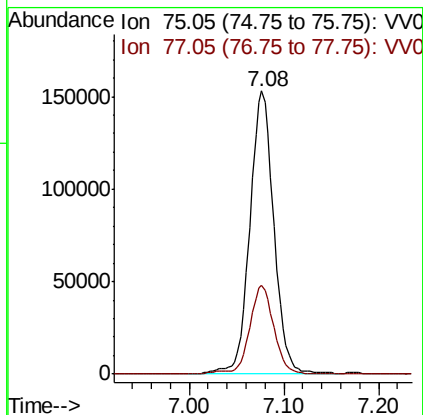
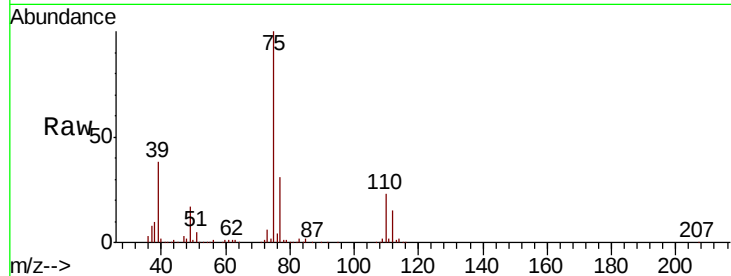


#39

cis-1,3-Dichloropropene
 Concen: 10.190 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01079

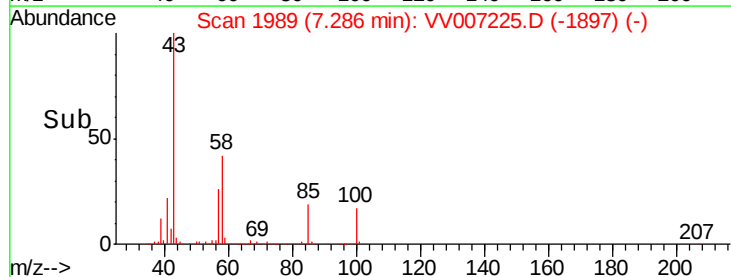
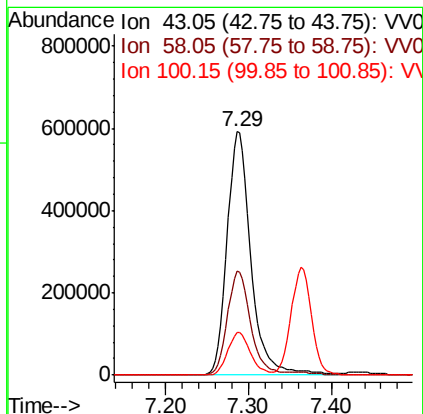
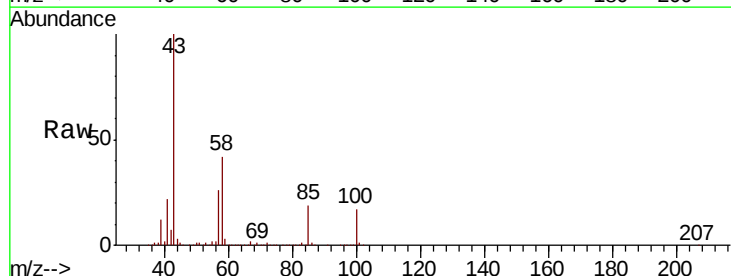
Tgt Ion: 75 Resp: 270602
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2

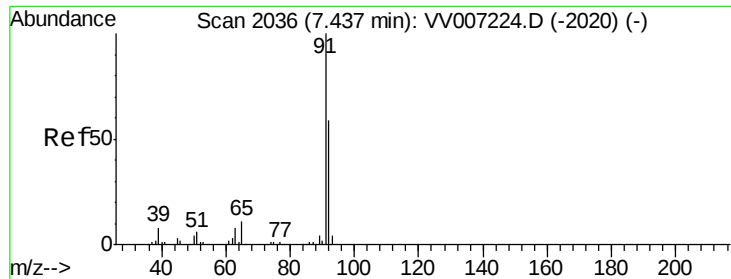


#40

4-Methyl-2-pentanone
 Concen: 107.659 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Tgt Ion: 43 Resp: 1187598
 Ion Ratio Lower Upper
 43 100
 58 43.0 33.8 50.8
 100 16.7 13.1 19.7





#42

Toluene

Concen: 10.360 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

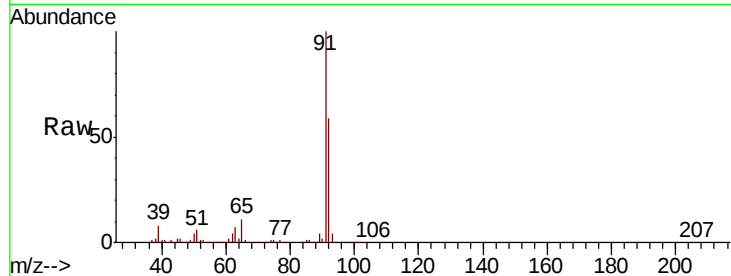
VSTD01079

Tgt Ion: 91 Resp: 822303

Ion Ratio Lower Upper

91 100

92 59.3 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV007224.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VV007225.D (-1943) (-)

7.44

500000

400000

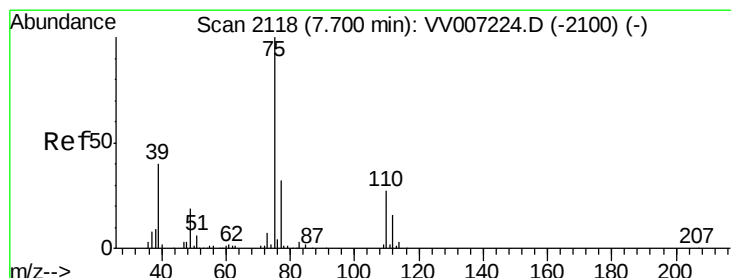
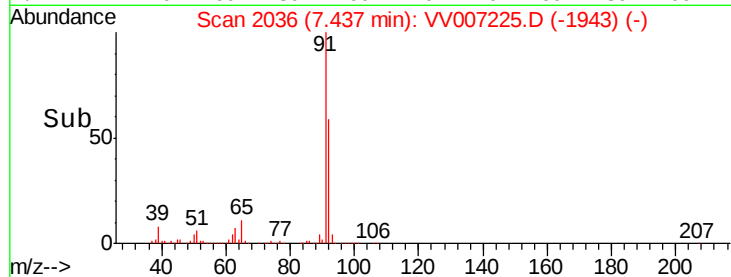
300000

200000

100000

0

Time--> 7.30 7.40 7.50 7.60



#44

trans-1,3-Dichloropropene

Concen: 10.336 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV007225.D

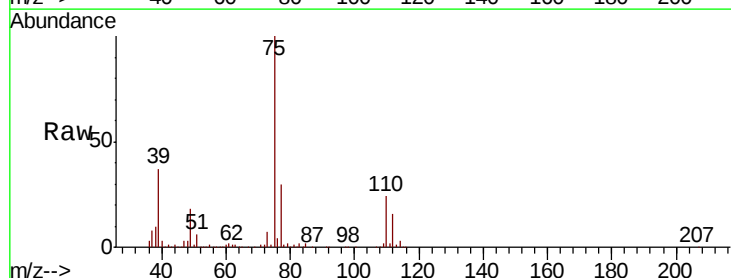
Acq: 28 Aug 2018 13:14

Tgt Ion: 75 Resp: 228181

Ion Ratio Lower Upper

75 100

77 30.2 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV007224.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV007225.D (-2025) (-)

7.70

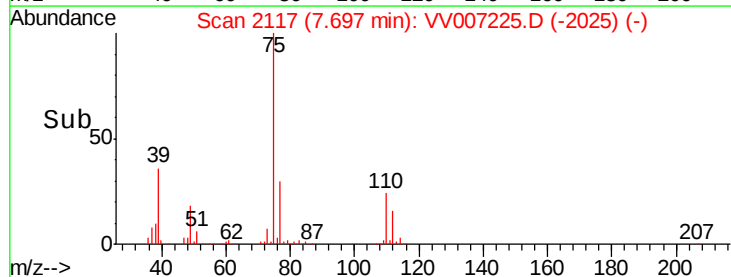
150000

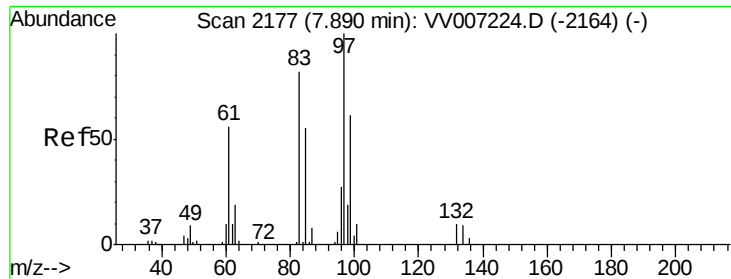
100000

50000

0

Time--> 7.60 7.70 7.80

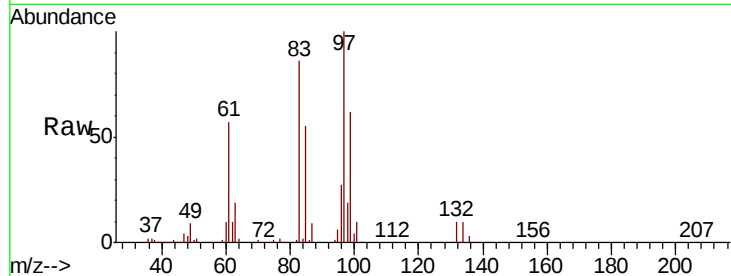




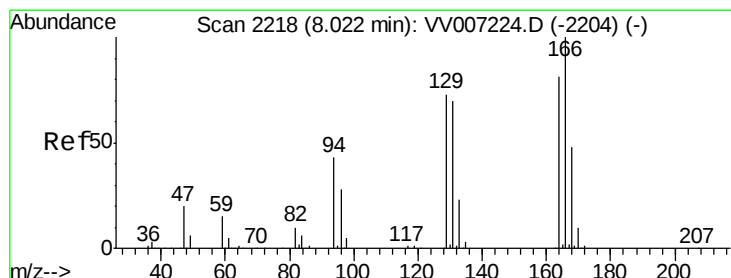
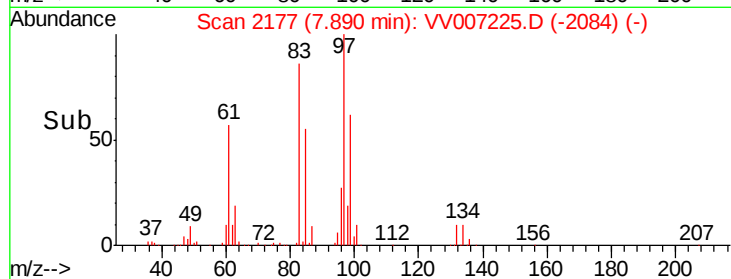
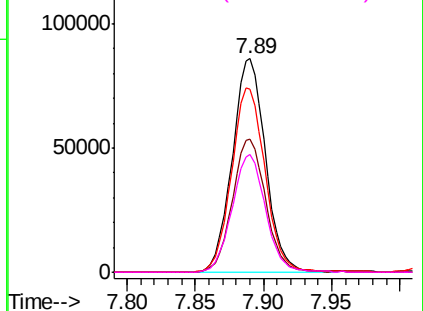
#45
 1,1,2-Trichloroethane
 Concen: 9.601 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01079

Tgt Ion:	97	Resp:	145437
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.6	79.0
83	85.8	57.3	106.3
85	54.9	38.3	71.1

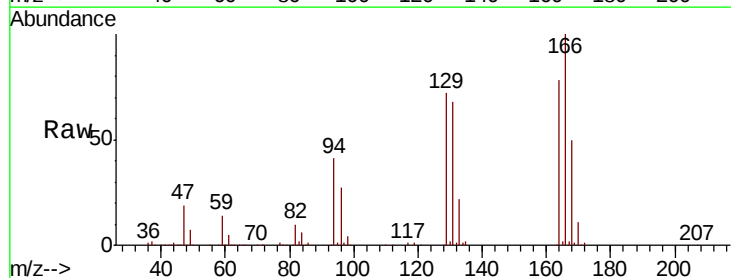


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

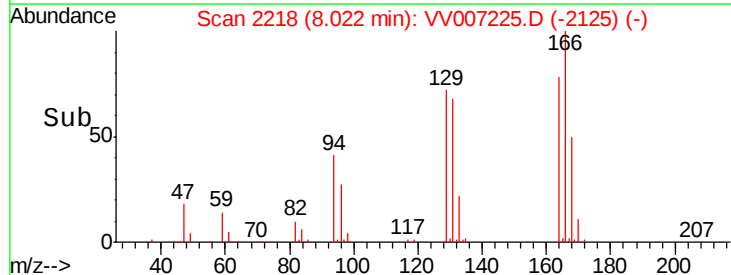
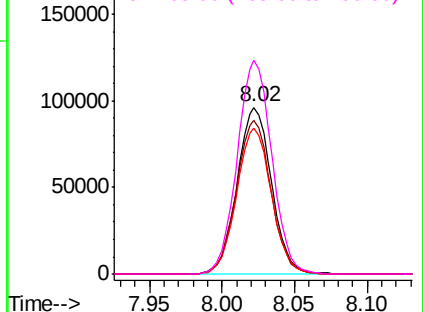


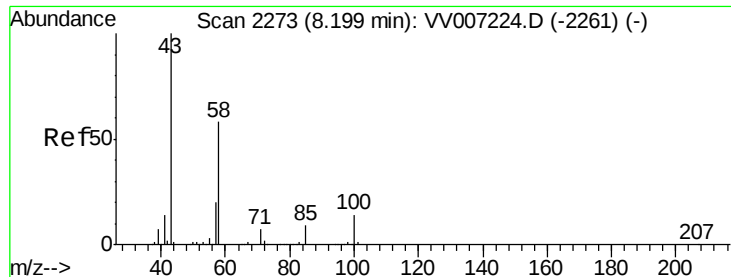
#47
 Tetrachloroethene
 Concen: 9.501 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Tgt Ion:	164	Resp:	158797
Ion	Ratio	Lower	Upper
164	100		
129	92.1	62.7	116.5
131	87.2	60.1	111.7
166	128.0	86.4	160.4



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

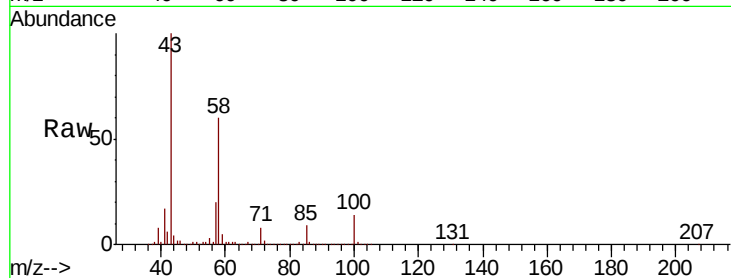




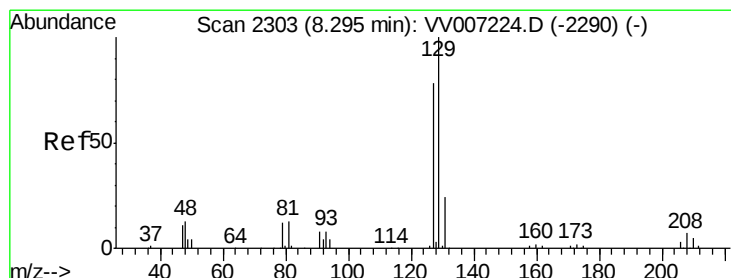
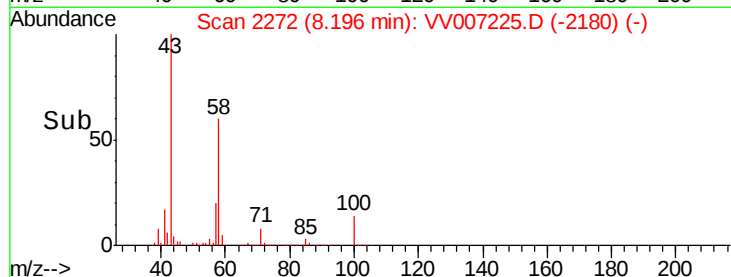
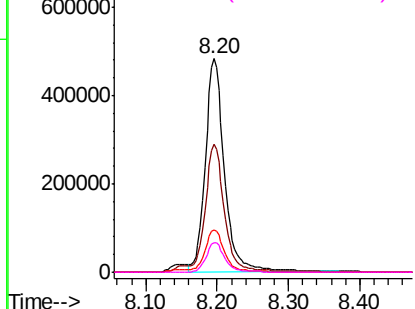
#48
2-Hexanone
Concen: 108.414 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV007225.D
Acq: 28 Aug 2018 13:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD01079

Tgt Ion:	43	Resp:	895319
Ion	Ratio	Lower	Upper
43	100		
58	60.7	50.0	75.0
57	20.6	16.6	25.0
100	13.3	10.2	15.4

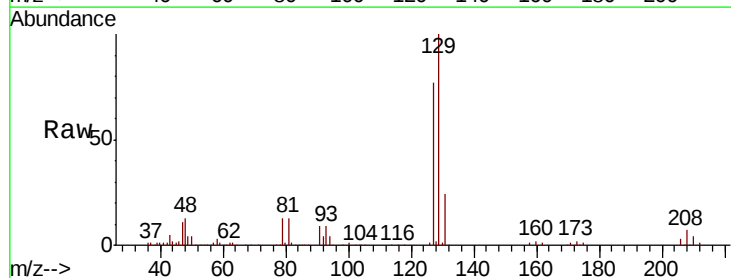


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

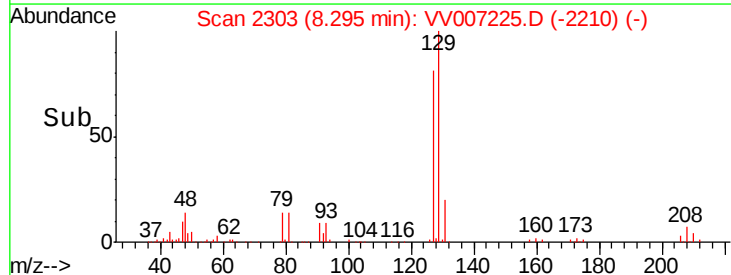
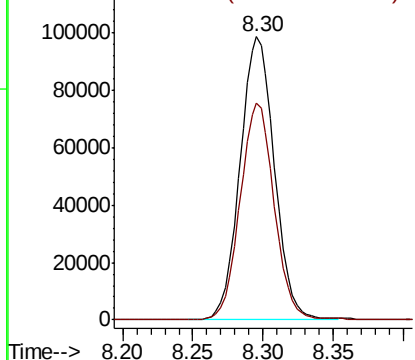


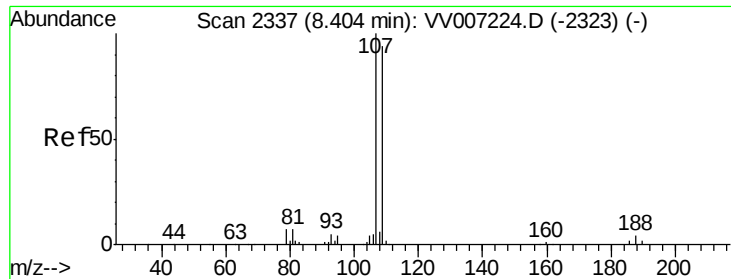
#49
Dibromochloromethane
Concen: 10.111 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007225.D
Acq: 28 Aug 2018 13:14

Tgt Ion:	129	Resp:	168394
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.9	101.9



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





#50

1,2-Dibromoethane

Concen: 10.138 ug/L

RT: 8.40 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD01079

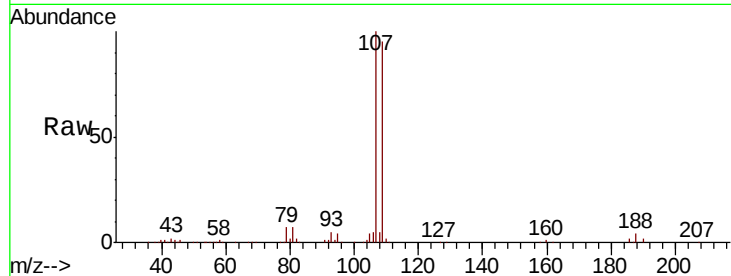
Tgt Ion:107 Resp: 129061

Ion Ratio Lower Upper

107 100

109 95.0 65.9 122.3

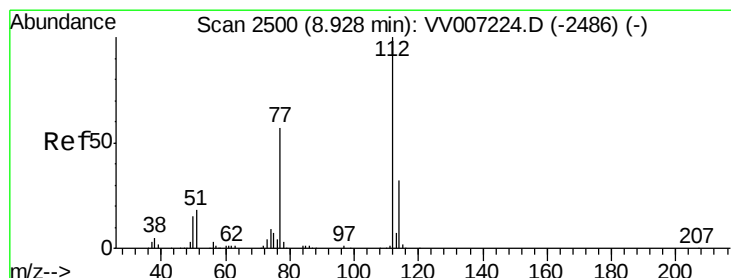
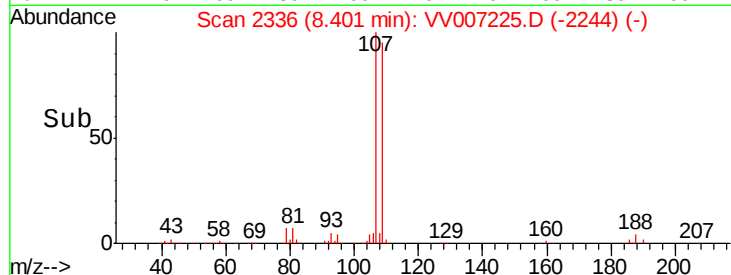
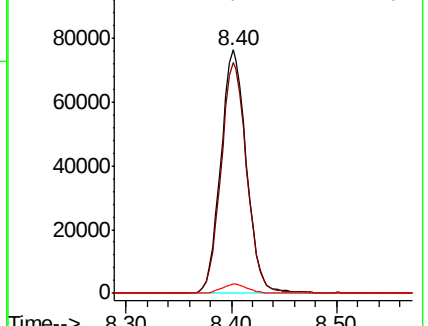
188 3.8 3.5 5.3



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 9.983 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

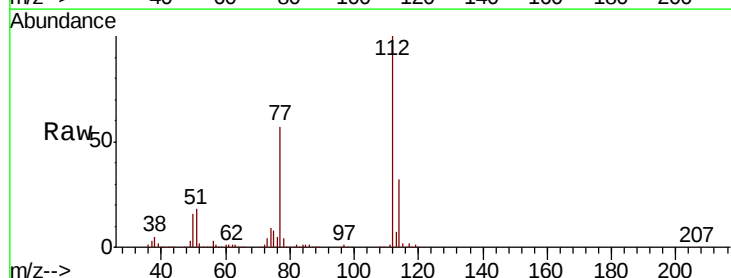
Tgt Ion:112 Resp: 525911

Ion Ratio Lower Upper

112 100

114 31.7 22.0 41.0

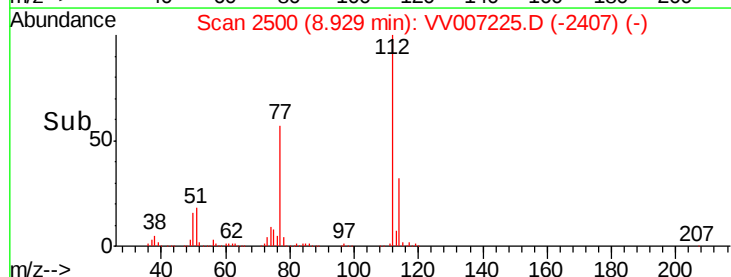
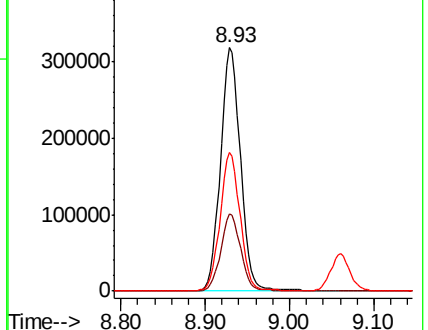
77 57.0 45.9 68.9

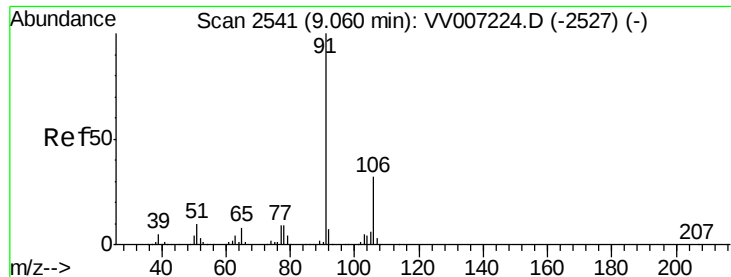


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 10.609 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

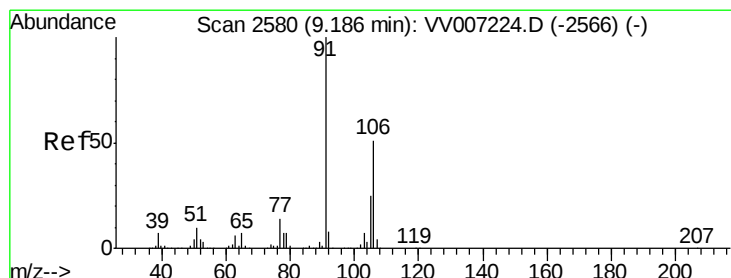
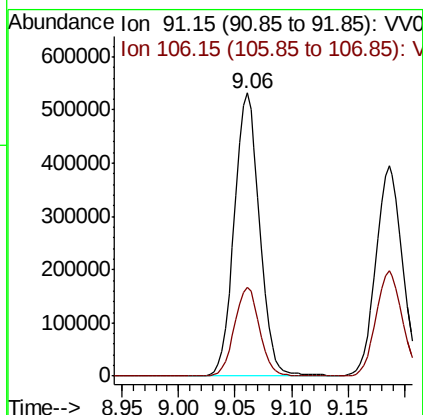
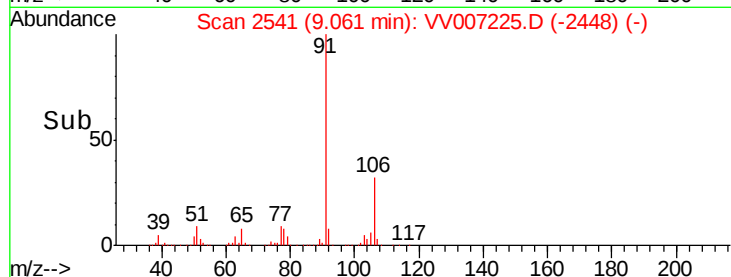
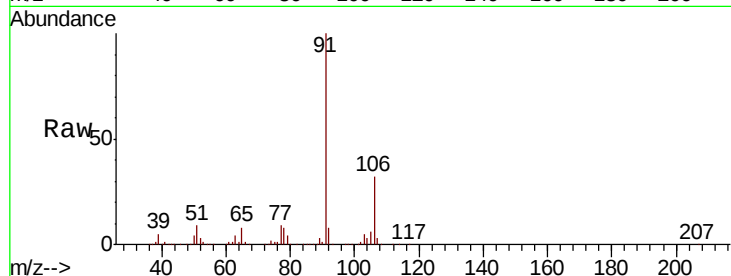
VSTD01079

Tgt Ion: 91 Resp: 831906

Ion Ratio Lower Upper

91 100

106 31.6 22.3 41.3



#53

m,p-xylene

Concen: 10.907 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007225.D

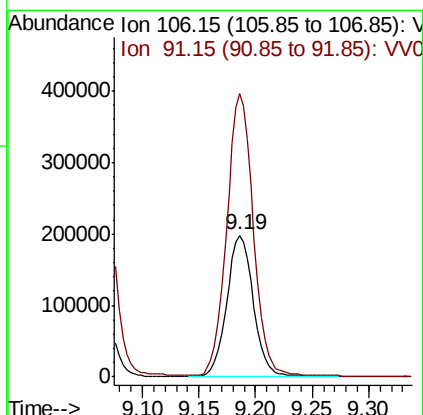
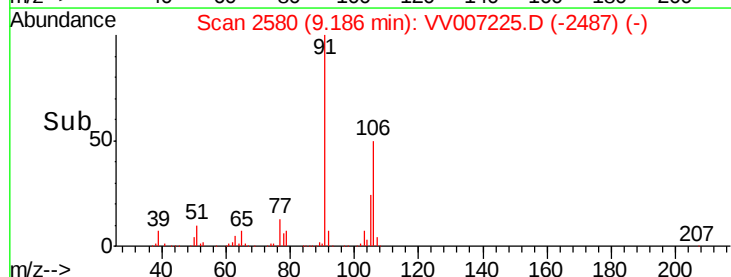
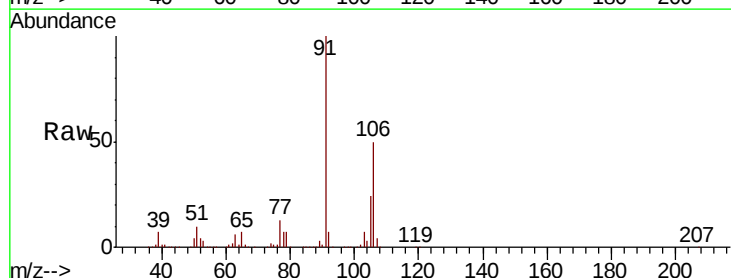
Acq: 28 Aug 2018 13:14

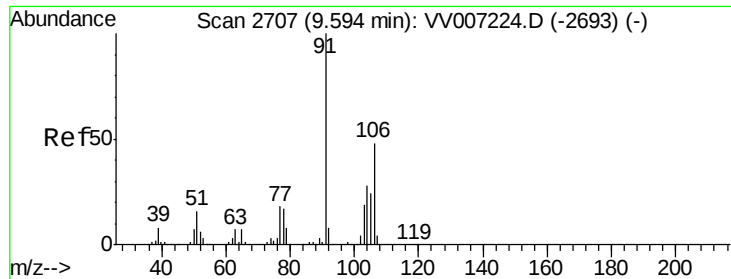
Tgt Ion: 106 Resp: 322788

Ion Ratio Lower Upper

106 100

91 199.7 138.4 257.0





#54

o-xylene

Concen: 10.772 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

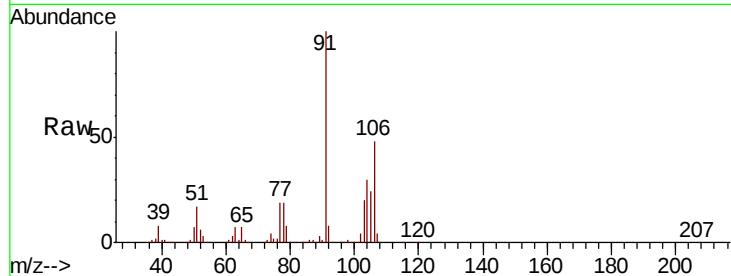
VSTD01079

Tgt Ion:106 Resp: 304099

Ion Ratio Lower Upper

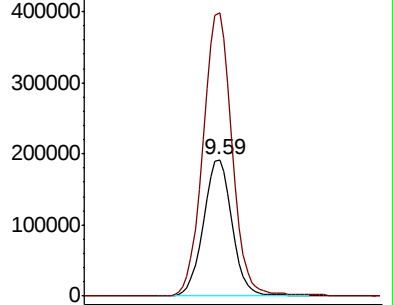
106 100

91 207.4 146.9 272.7

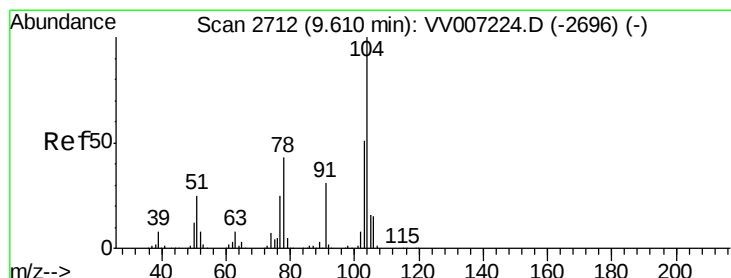
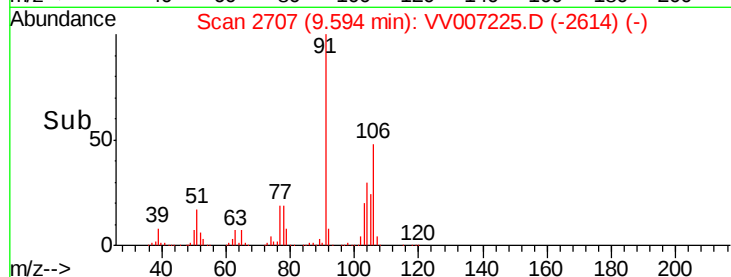


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



Time-->



#55

Styrene

Concen: 11.541 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007225.D

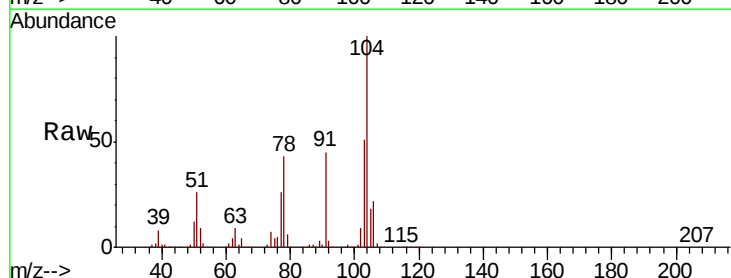
Acq: 28 Aug 2018 13:14

Tgt Ion:104 Resp: 559665

Ion Ratio Lower Upper

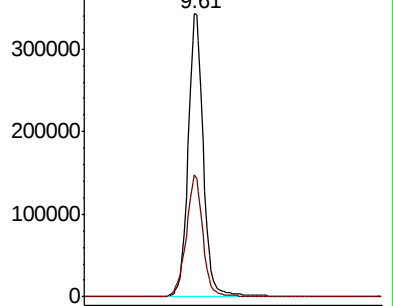
104 100

78 43.0 30.2 56.2

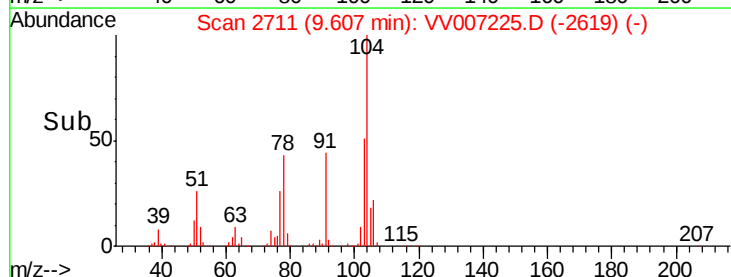


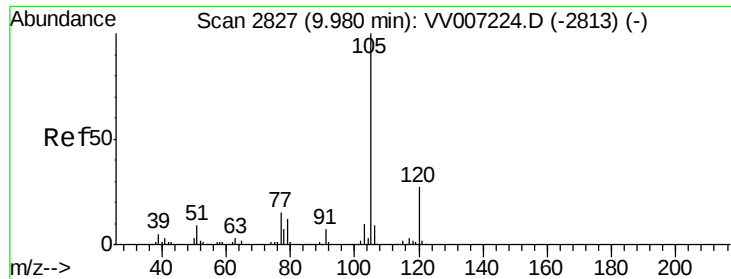
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 10.970 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD01079

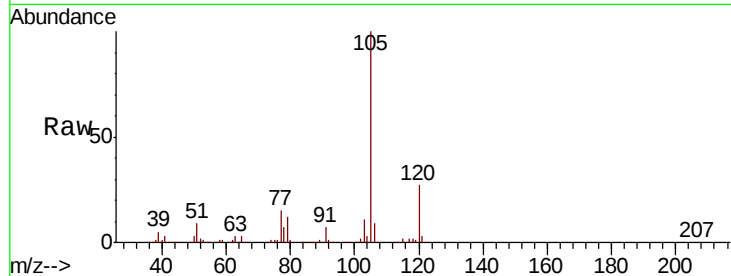
Tgt Ion:105 Resp: 812033

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.4

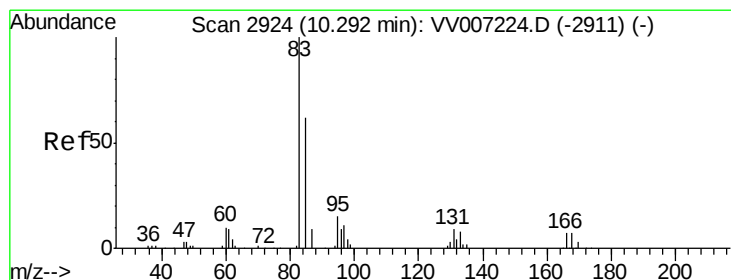
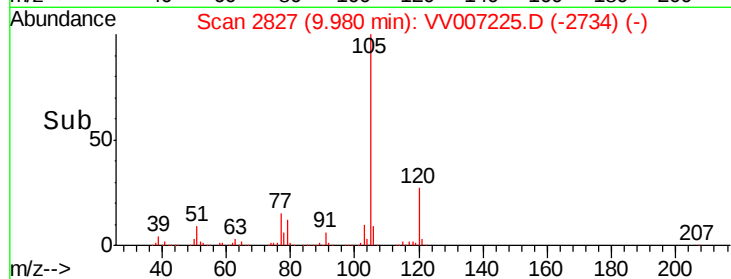
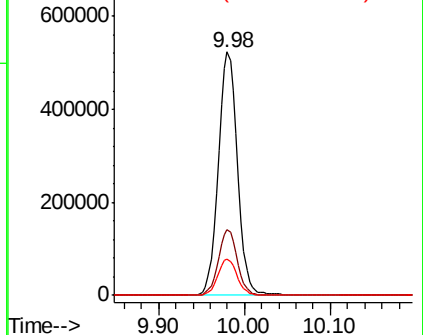
77 15.1 12.1 18.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.012 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

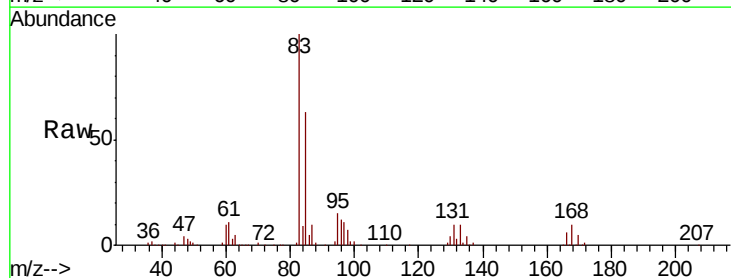
Tgt Ion: 83 Resp: 178577

Ion Ratio Lower Upper

83 100

85 63.3 43.7 81.1

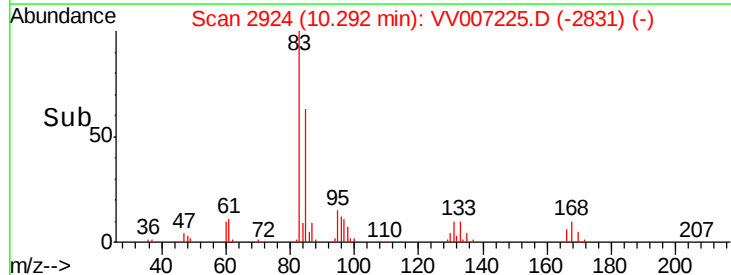
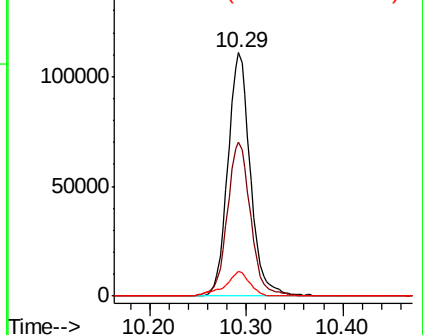
131 10.0 7.7 11.5

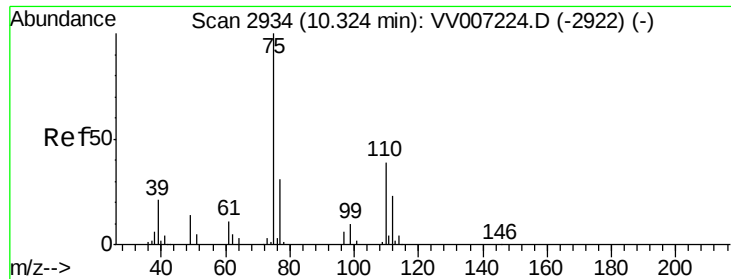


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

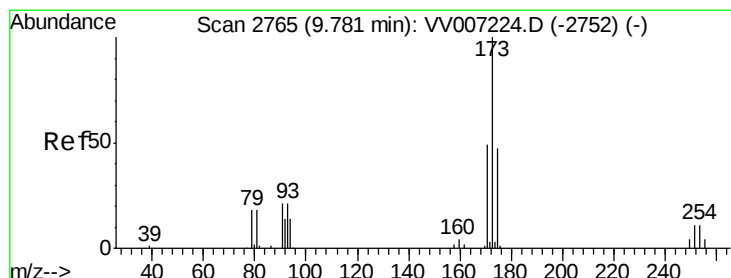
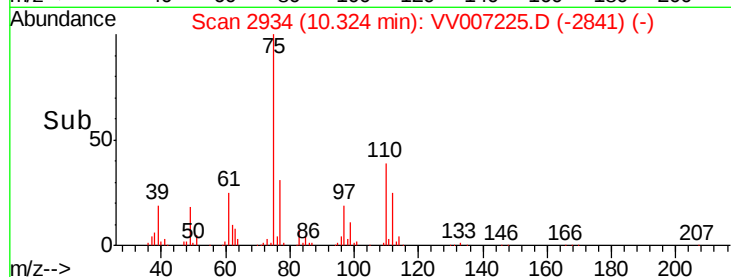
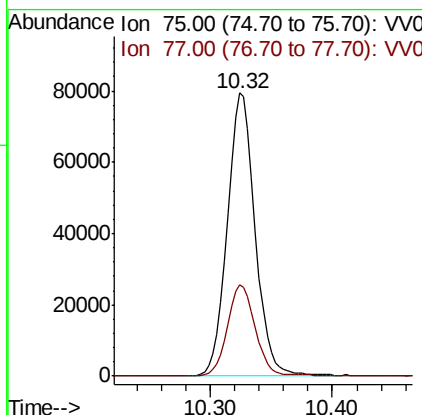
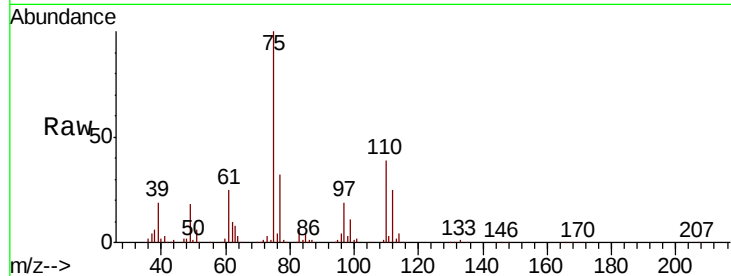




#59
 1,2,3-Trichloropropane
 Concen: 9.817 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

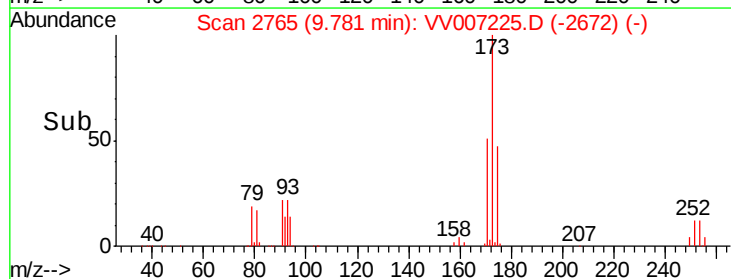
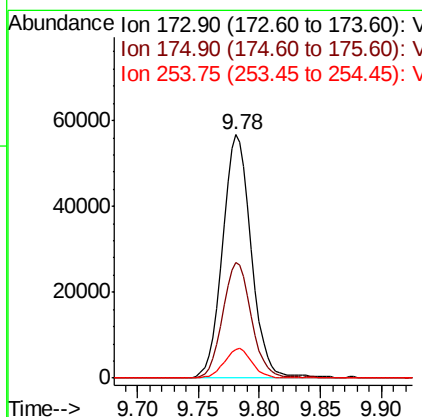
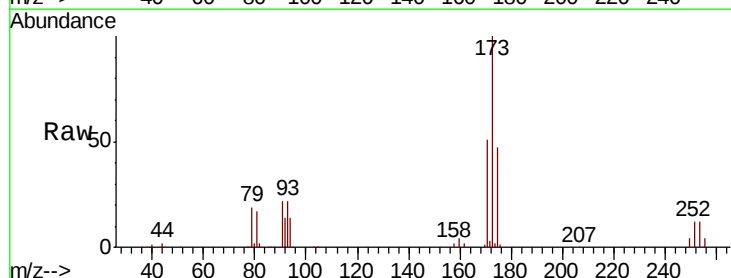
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01079

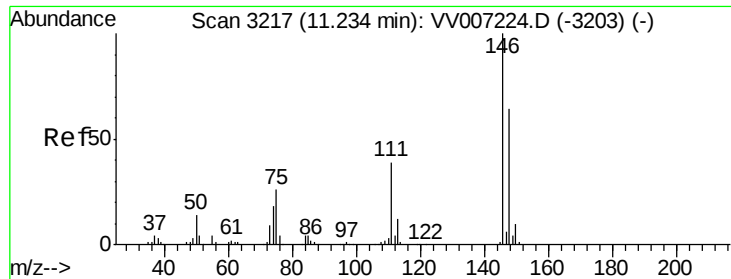
Tgt Ion: 75 Resp: 126813
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.0 39.0



#61
 Bromoform
 Concen: 9.443 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Tgt Ion: 173 Resp: 93796
 Ion Ratio Lower Upper
 173 100
 175 47.4 39.3 58.9
 254 11.6 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 9.490 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD01079

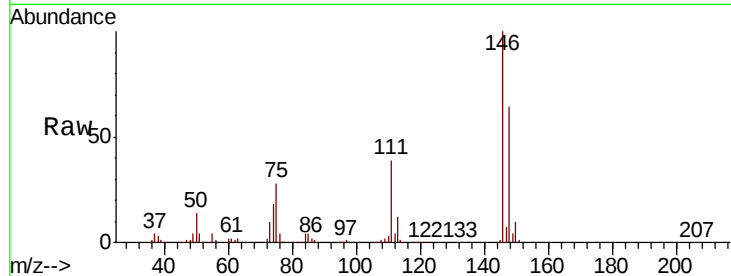
Tgt Ion:146 Resp: 377902

Ion Ratio Lower Upper

146 100

111 39.3 27.2 50.4

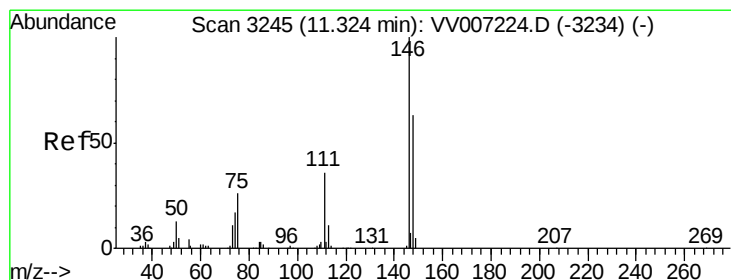
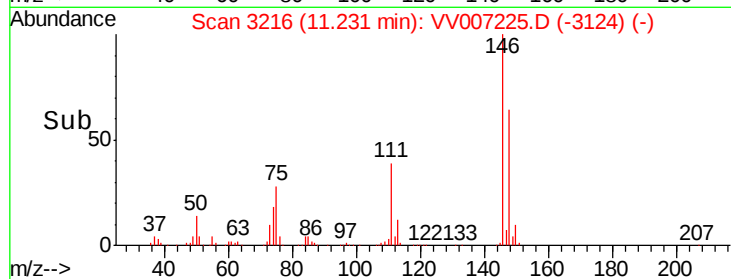
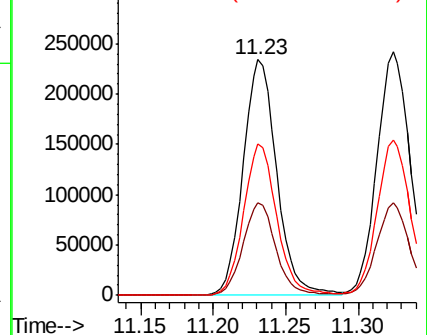
148 64.0 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.465 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

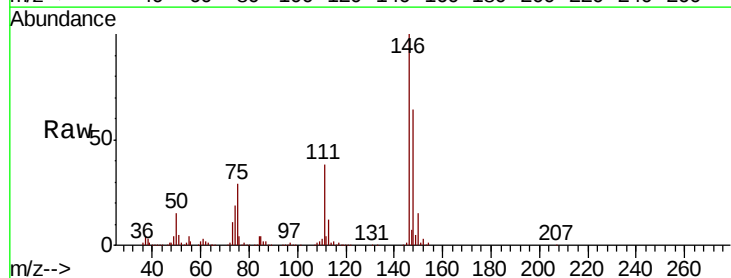
Tgt Ion:146 Resp: 397746

Ion Ratio Lower Upper

146 100

111 37.8 25.4 47.2

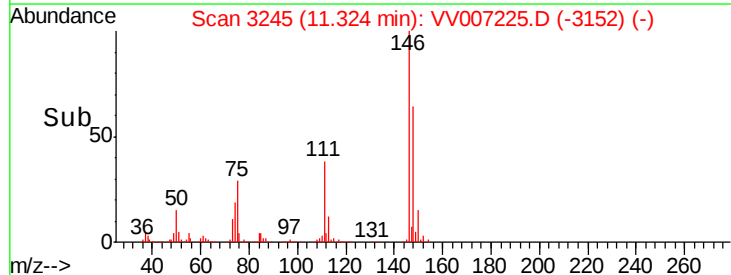
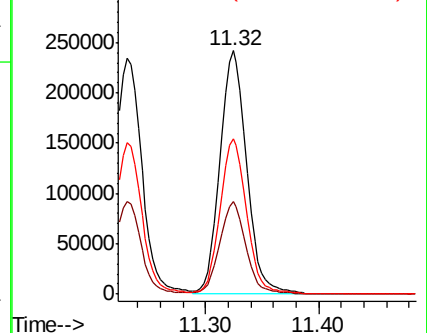
148 64.0 44.3 82.3

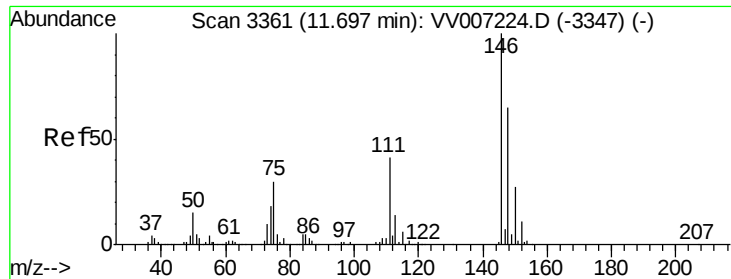


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.680 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD01079

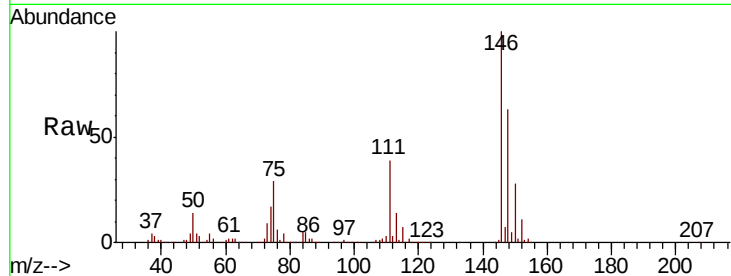
Tgt Ion:146 Resp: 386387

Ion Ratio Lower Upper

146 100

111 39.3 33.0 49.6

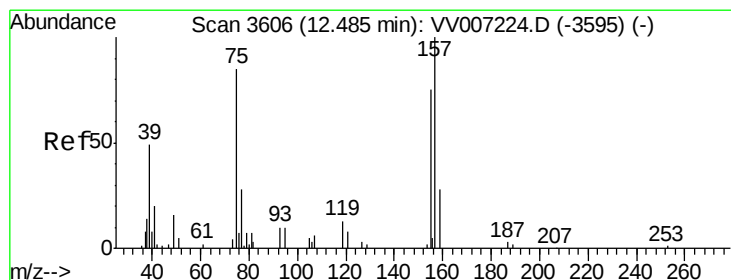
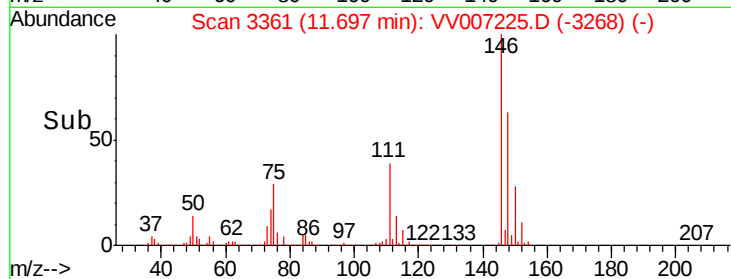
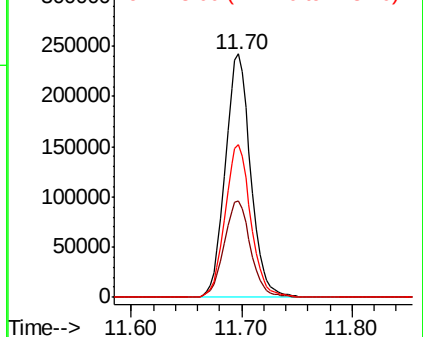
148 62.6 51.6 77.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 9.698 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

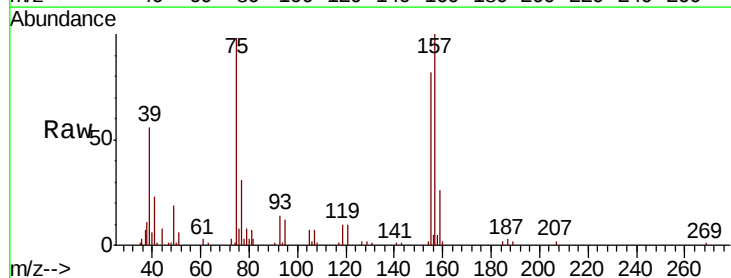
Tgt Ion: 75 Resp: 22142

Ion Ratio Lower Upper

75 100

155 83.3 70.4 105.6

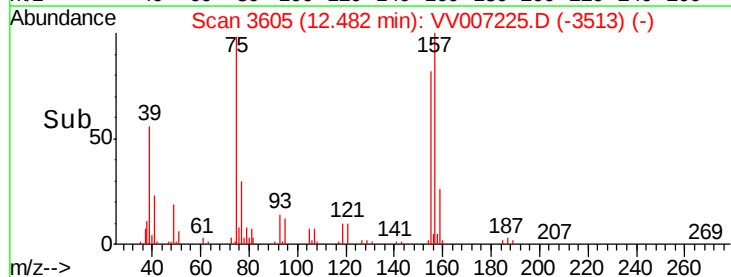
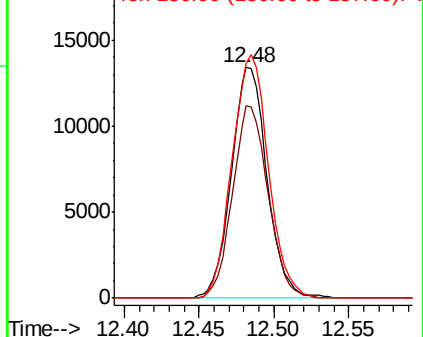
157 102.1 94.2 141.2

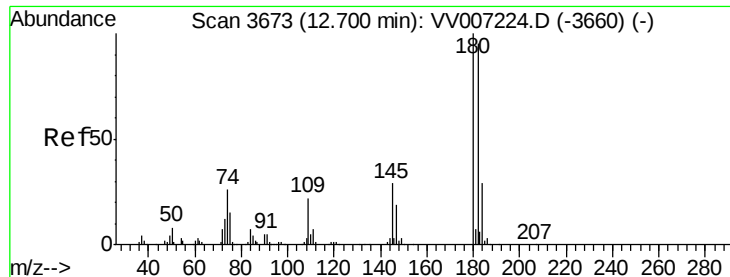


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

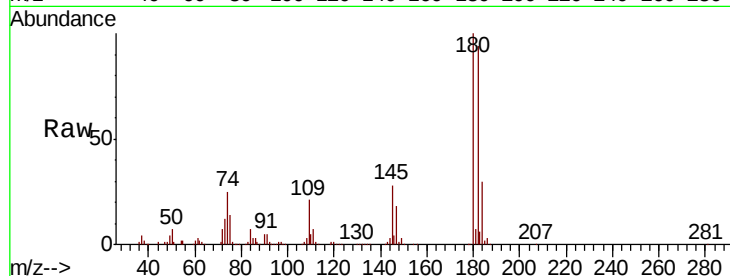




#67
 1,3,5-Trichlorobenzene
 Concen: 9.874 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01079

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.0	115.6
184	29.8	23.4	35.2
145	28.1	22.6	33.8



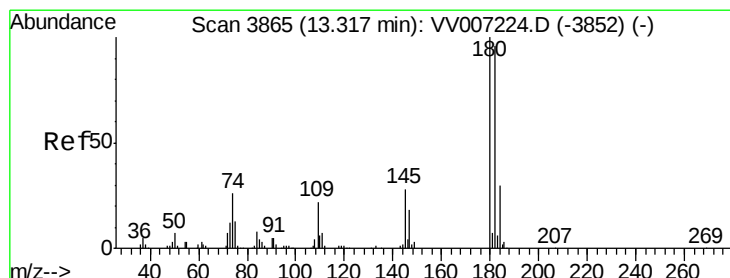
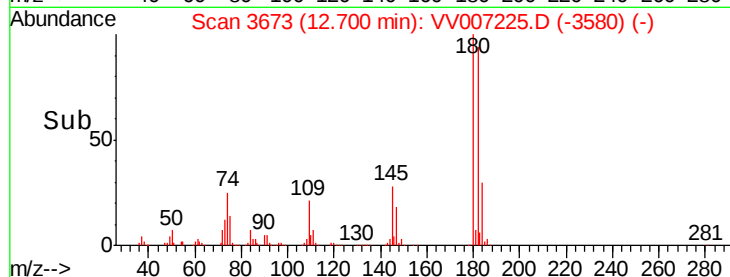
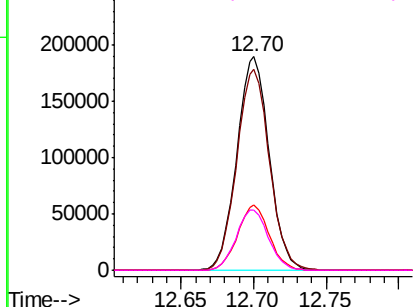
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

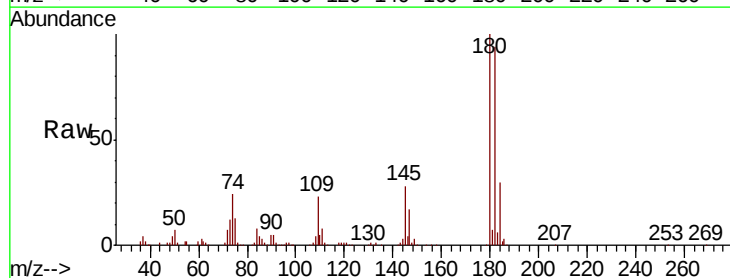
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.825 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007225.D
 Acq: 28 Aug 2018 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.8	115.2
145	28.0	22.6	34.0

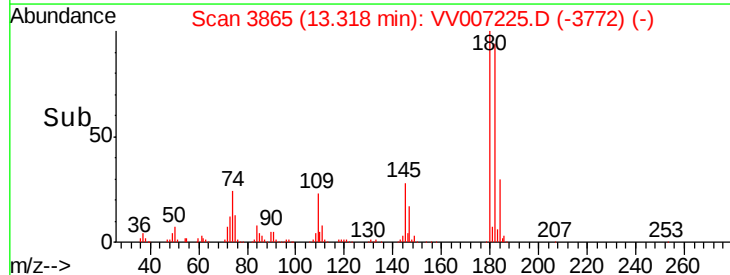
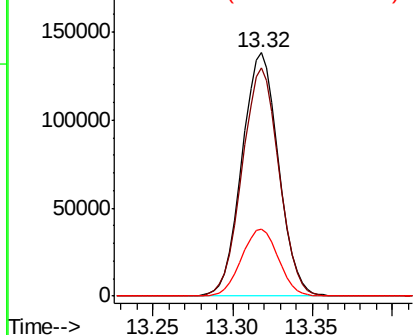


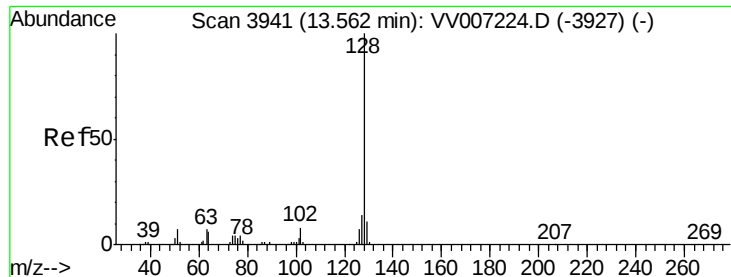
Abundance

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: 10.317 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD01079

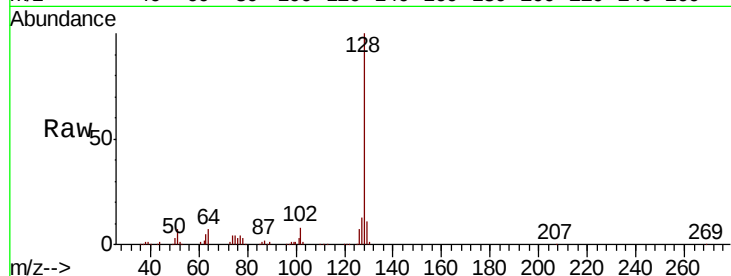
Tgt Ion:128 Resp: 268200

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

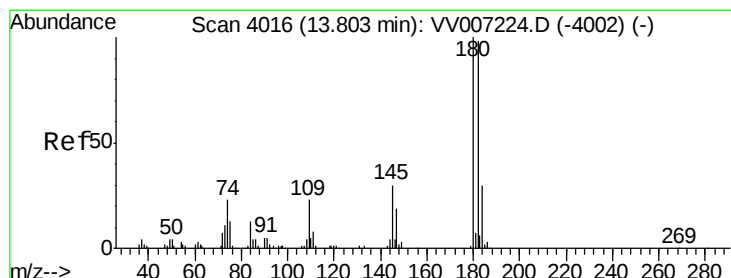
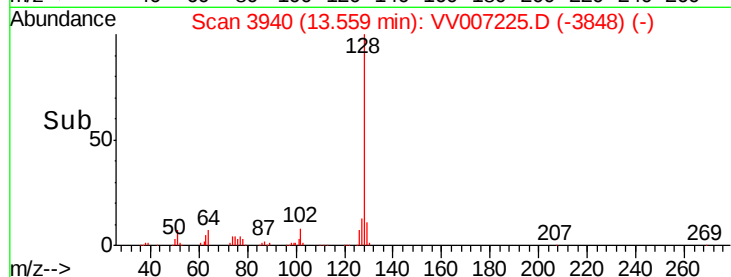
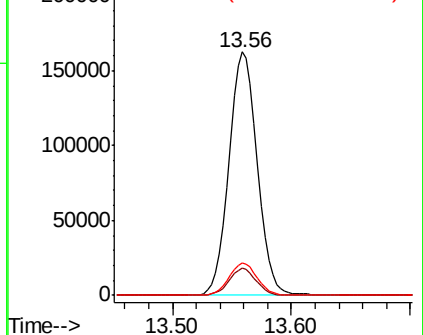
127 13.1 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.696 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007225.D

Acq: 28 Aug 2018 13:14

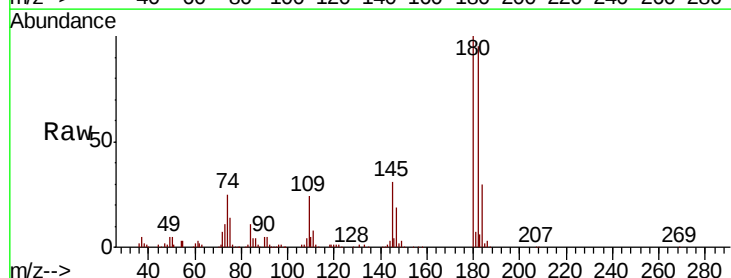
Tgt Ion:180 Resp: 207160

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.4

145 31.0 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

