

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082818\
 Data File : VV007226.D
 Acq On : 28 Aug 2018 13:41
 Operator : SY/MD
 Sample : VSTD02080
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02080

Quant Time: Aug 29 00:41:56 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	263358	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	260778	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	134615	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	345432	18.92	ug/L	0.00
7) Chloroethane-d5	1.58	69	274048	18.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	609189	18.41	ug/L	0.00
20) 2-Butanone-d5	3.96	46	1016009	235.95	ug/L	0.00
24) Chloroform-d	4.40	84	710728	19.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	346120	19.42	ug/L	0.00
32) Benzene-d6	5.10	84	1454982	20.02	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	456559	19.30	ug/L	0.00
41) Toluene-d8	7.36	98	1345246	20.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	173861	21.08	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	683185	283.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	362124	20.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	494594	19.43	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	380929	17.077 ug/L	100
3) Chloromethane	1.25	50	428992	17.580 ug/L	100
5) Vinyl chloride	1.32	62	411198	18.064 ug/L	99
6) Bromomethane	1.53	94	143262	18.920 ug/L	100
8) Chloroethane	1.60	64	239174	17.068 ug/L	99
9) Trichlorofluoromethane	1.77	101	552294	17.926 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	346997	17.976 ug/L	99
12) 1,1-Dichloroethene	2.14	96	318097	17.675 ug/L	93
13) Acetone	2.20	43	495533	194.784 ug/L	98
14) Carbon disulfide	2.32	76	897239	17.369 ug/L	100
15) Methyl Acetate	2.47	43	133084	20.378 ug/L	97
16) Methylene chloride	2.54	84	343894	16.216 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	820877	18.852 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	348660	17.813 ug/L	98
19) 1,1-Dichloroethane	3.23	63	711356	19.228 ug/L	99
21) 2-Butanone	4.05	43	1089694	214.265 ug/L	95
22) cis-1,2-Dichloroethene	3.97	96	425669	19.620 ug/L	100
23) Bromochloromethane	4.30	128	182270	18.338 ug/L	99
25) Chloroform	4.43	83	722408	18.315 ug/L	99
27) 1,2-Dichloroethane	5.19	62	427152	19.041 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	604699	17.959 ug/L	99
30) Cyclohexane	4.73	56	616741	20.631 ug/L	99
31) Carbon tetrachloride	4.88	117	525448	18.653 ug/L	99
33) Benzene	5.15	78	1634356	19.123 ug/L	100
34) Trichloroethene	5.96	95	394426	19.116 ug/L	99
35) Methylcyclohexane	6.18	83	671997	21.876 ug/L	97
37) 1,2-Dichloropropane	6.23	63	420069	18.237 ug/L	100
38) Bromodichloromethane	6.56	83	506220	18.877 ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	590034	21.528 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	2515681	220.954 ug/L	99

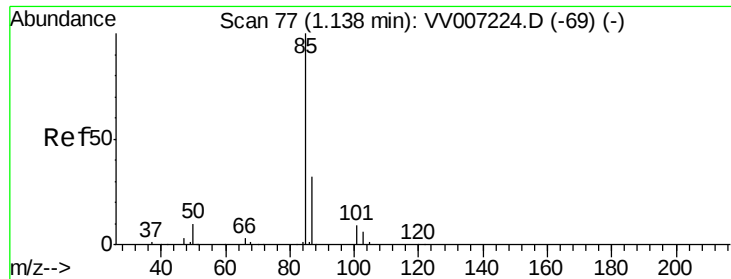
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082818\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	1697429	20.720	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	485788	21.320	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	297220	19.010	ug/L	98
47) Tetrachloroethene	8.02	164	328348	19.033	ug/L	97
48) 2-Hexanone	8.20	43	1835337	215.323	ug/L	98
49) Dibromochloromethane	8.30	129	346709	20.169	ug/L	100
50) 1,2-Dibromoethane	8.40	107	264227	20.110	ug/L	99
51) Chlorobenzene	8.93	112	1077048	19.809	ug/L	99
52) Ethylbenzene	9.06	91	1822545	22.518	ug/L	99
53) m,p-xylene	9.19	106	707735	23.170	ug/L	99
54) o-xylene	9.59	106	676530	23.219	ug/L	99
55) Styrene	9.61	104	1214185	24.259	ug/L	99
56) Isopropylbenzene	9.98	105	1804141	23.613	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	367673	19.973	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	260489	19.538	ug/L	100
61) Bromoform	9.78	173	196673	18.342	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	826868	19.235	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	873681	19.260	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	828780	19.235	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	47755	19.375	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	654640	20.406	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	517140	24.022	ug/L	99
69) Naphthalene	13.56	128	733922	26.154	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	492392	23.550	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 17.077 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

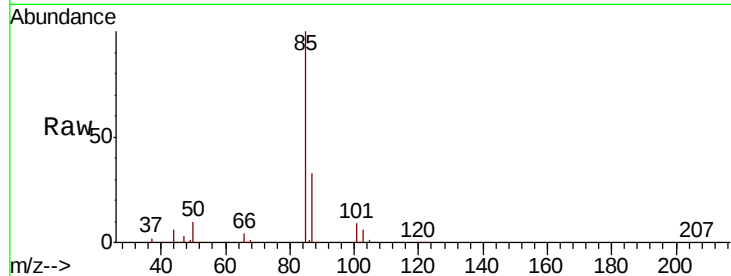
VSTD02080

Tgt Ion: 85 Resp: 380929

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007226.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007226.D (-69) (-)

1.14

400000

300000

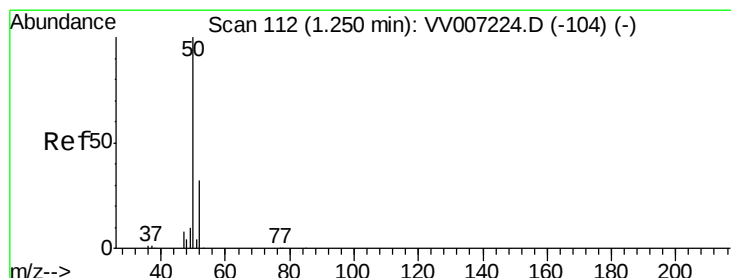
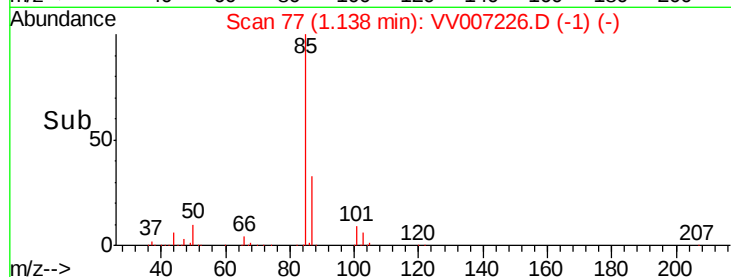
200000

100000

0

1.10 1.20 1.30

Time-->



#3

Chloromethane

Concen: 17.580 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007226.D

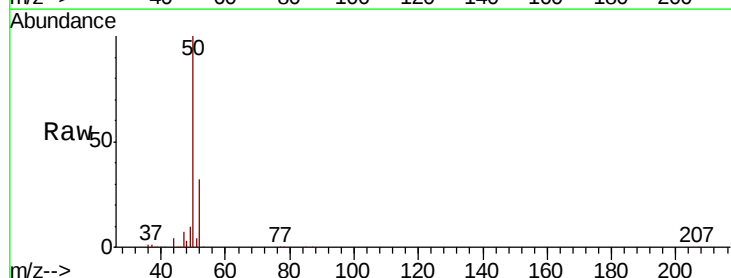
Acq: 28 Aug 2018 13:41

Tgt Ion: 50 Resp: 428992

Ion Ratio Lower Upper

50 100

52 32.1 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV007226.D (-19) (-)

Ion 52.05 (51.75 to 52.75): VV007226.D (-19) (-)

1.25

400000

300000

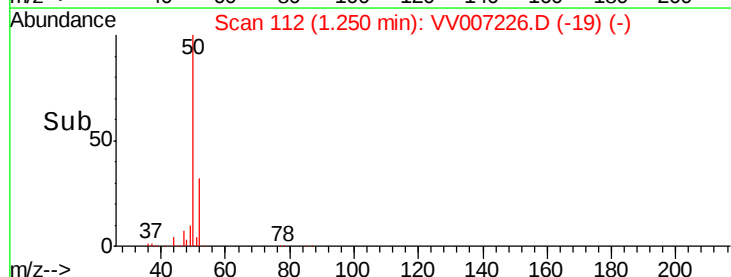
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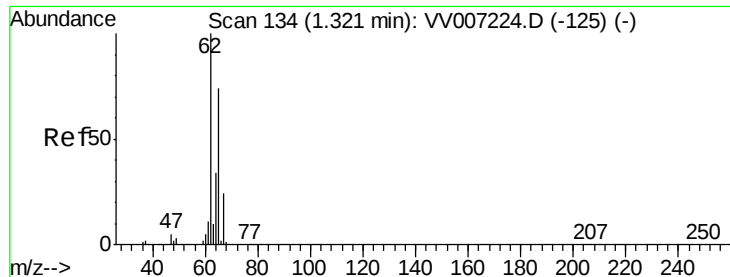
100000

0

1.20 1.30 1.40

Time-->





#5

Vinyl chloride

Concen: 18.064 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

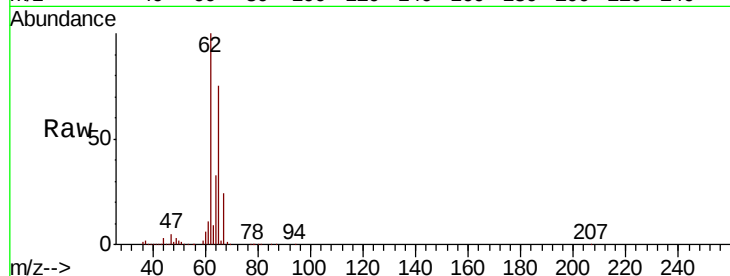
VSTD02080

Tgt Ion: 62 Resp: 411198

Ion Ratio Lower Upper

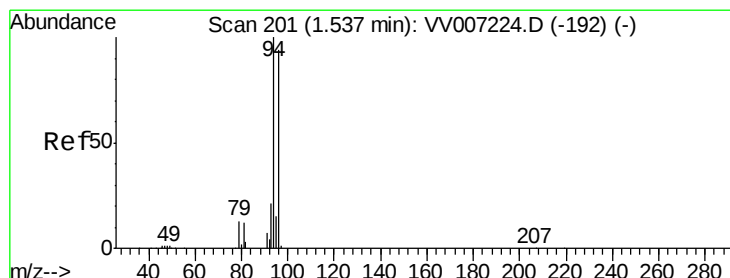
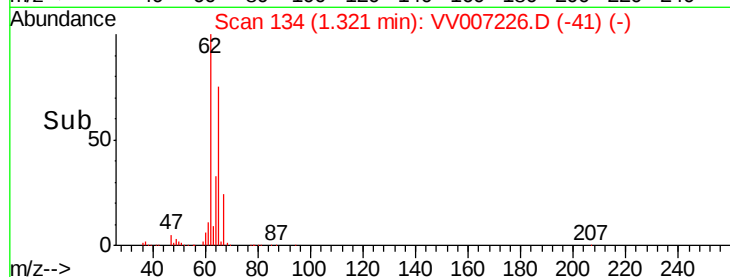
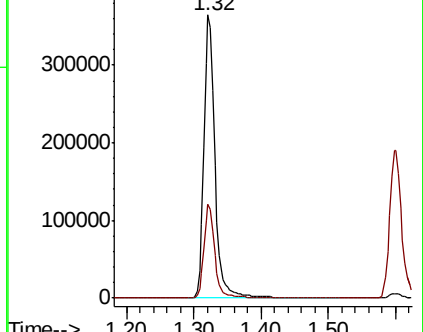
62 100

64 33.1 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV007224.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV007224.D (-125) (-)



#6

Bromomethane

Concen: 18.920 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV007226.D

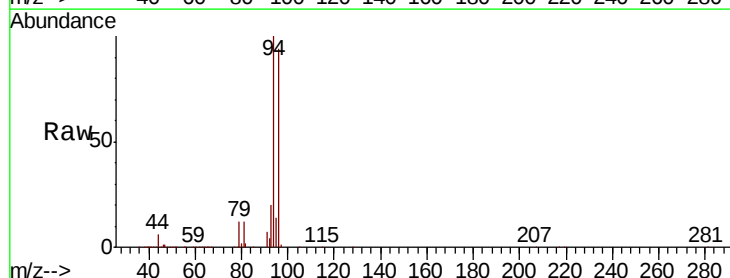
Acq: 28 Aug 2018 13:41

Tgt Ion: 94 Resp: 143262

Ion Ratio Lower Upper

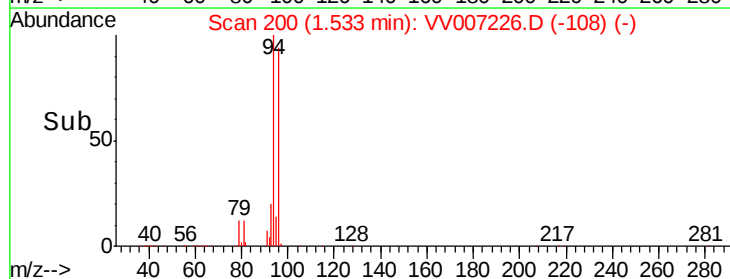
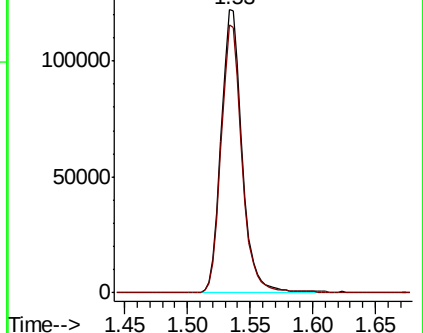
94 100

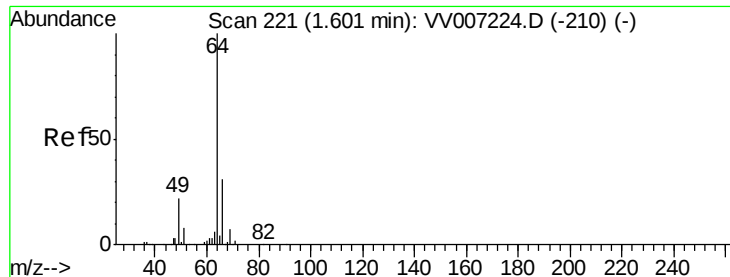
96 94.5 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV007226.D (-108) (-)

Ion 96.00 (95.70 to 96.70): VV007226.D (-108) (-)





#8

Chloroethane

Concen: 17.068 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

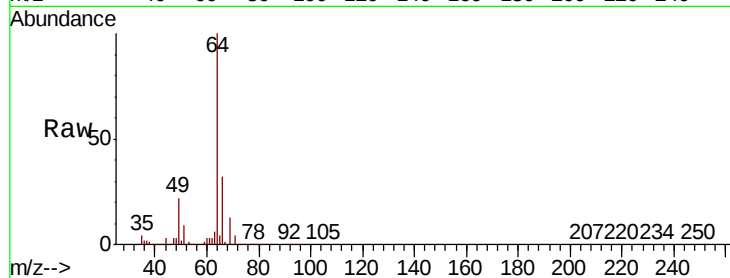
VSTD02080

Tgt Ion: 64 Resp: 239174

Ion Ratio Lower Upper

64 100

66 32.3 22.2 41.2



Abundance Ion 64.10 (63.80 to 64.80): VV007224.D (-210) (-)

Ion 66.05 (65.75 to 66.75): VV007224.D (-210) (-)

1.60

200000

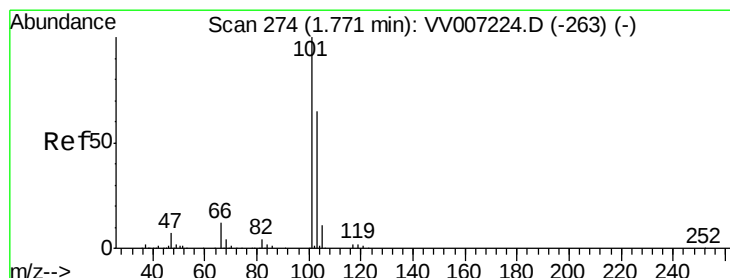
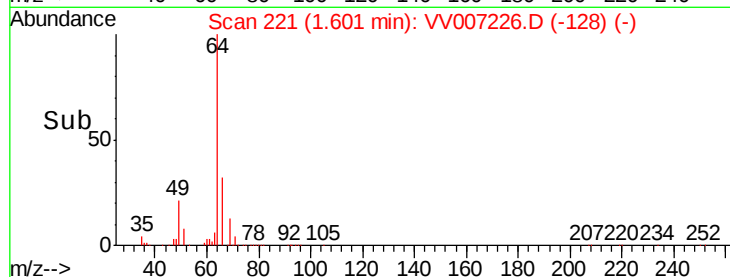
150000

100000

50000

0

Time--> 1.50 1.60 1.70



#9

Trichlorofluoromethane

Concen: 17.926 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV007226.D

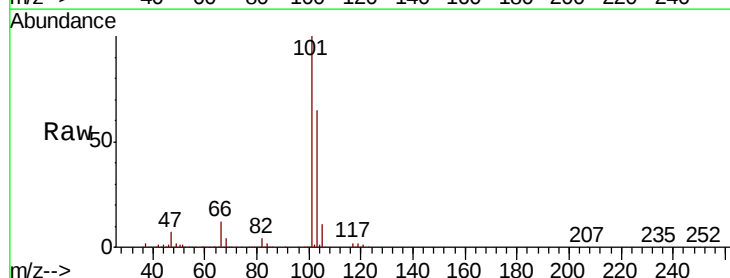
Acq: 28 Aug 2018 13:41

Tgt Ion: 101 Resp: 552294

Ion Ratio Lower Upper

101 100

103 65.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV007224.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV007224.D (-263) (-)

1.77

500000

400000

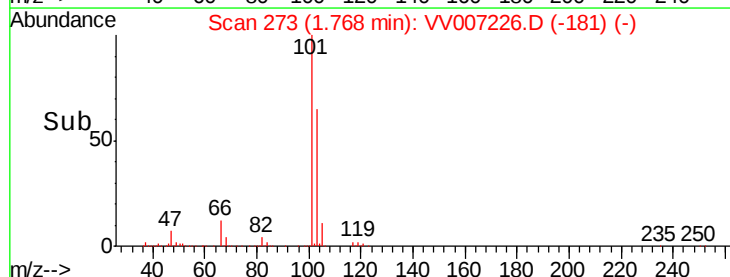
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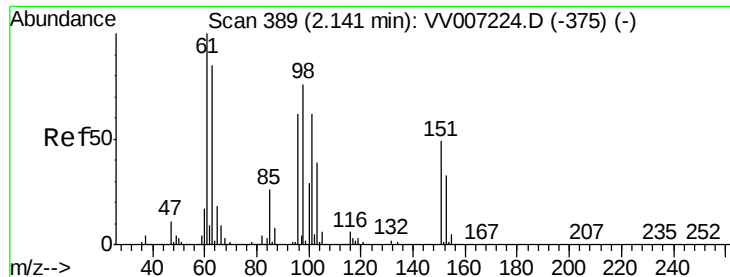
200000

100000

0

Time--> 1.70 1.80 1.90





#10

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

Concen: 17.976 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02080

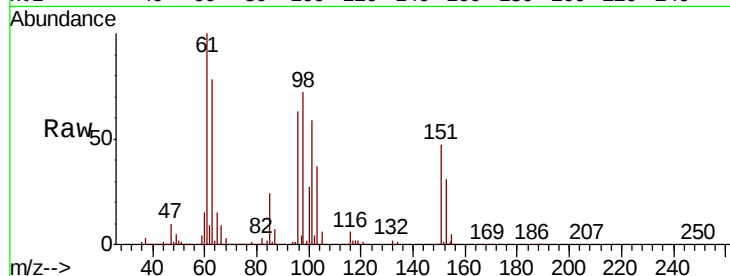
Tgt Ion: 101 Resp: 346997

Ion Ratio Lower Upper

101 100

85 40.5 33.2 49.8

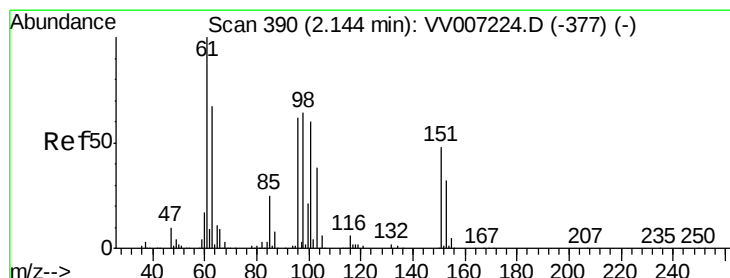
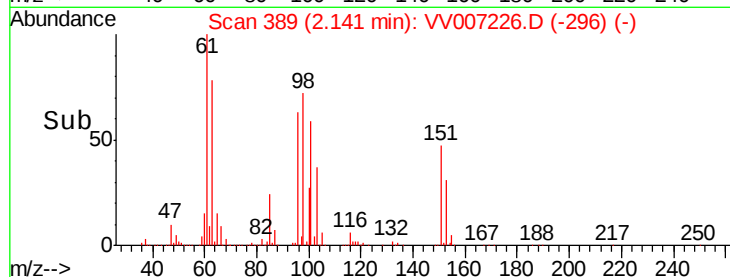
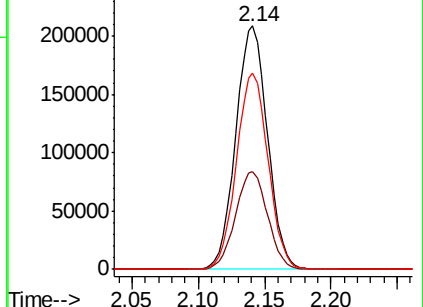
151 80.2 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV007226.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV007226.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV007226.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 17.675 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

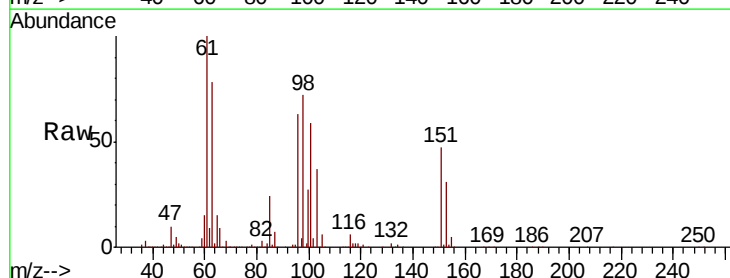
Tgt Ion: 96 Resp: 318097

Ion Ratio Lower Upper

96 100

61 157.5 112.3 208.5

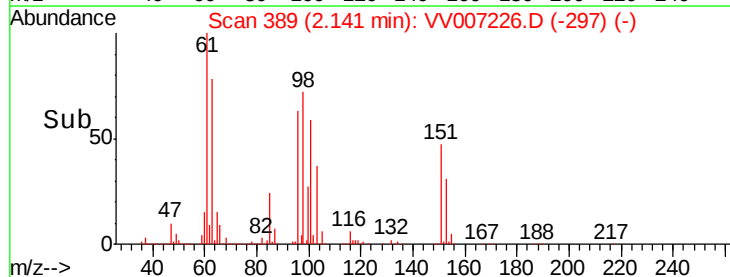
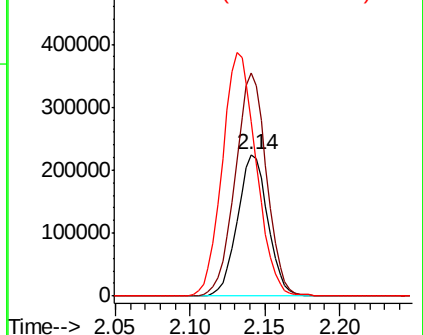
63 123.1 75.4 140.0

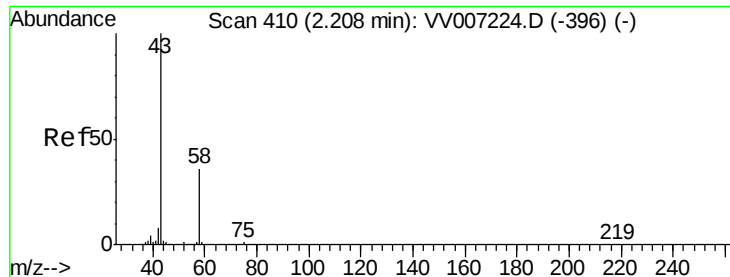


Abundance Ion 96.00 (95.70 to 96.70): VV007226.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV007226.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV007226.D (-297) (-)





#13

Acetone

Concen: 194.784 ug/L

RT: 2.20 min Scan# 408

Delta R.T. -0.01 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

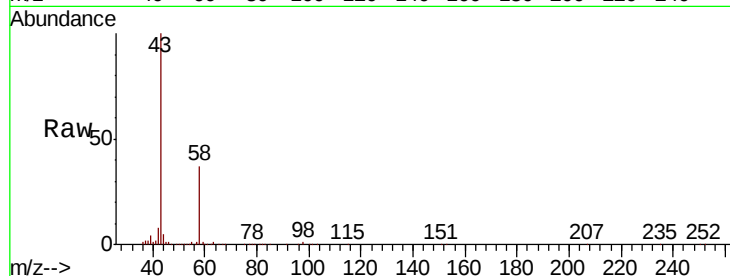
VSTD02080

Tgt Ion: 43 Resp: 495533

Ion Ratio Lower Upper

43 100

58 36.5 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) (-)

2.20

150000

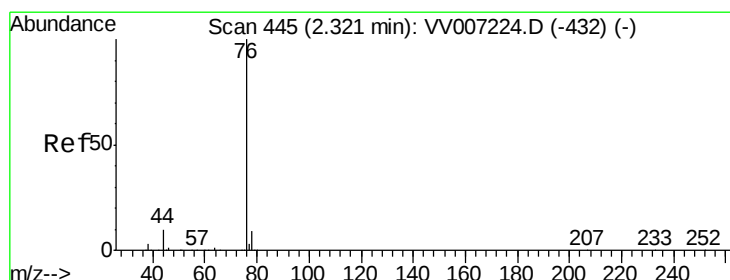
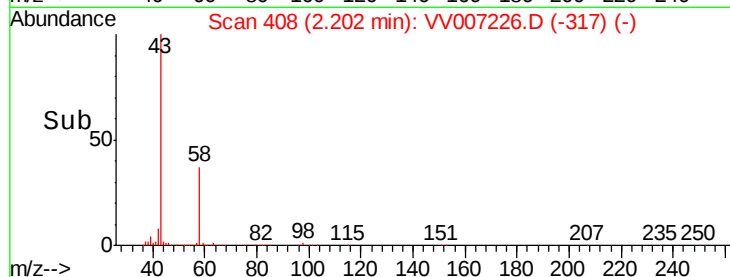
100000

50000

0

2.10 2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 17.369 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007226.D

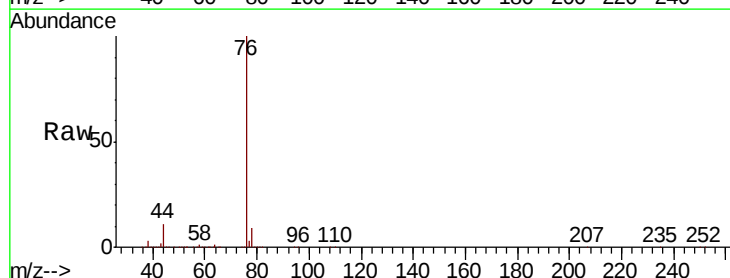
Acq: 28 Aug 2018 13:41

Tgt Ion: 76 Resp: 897239

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

600000

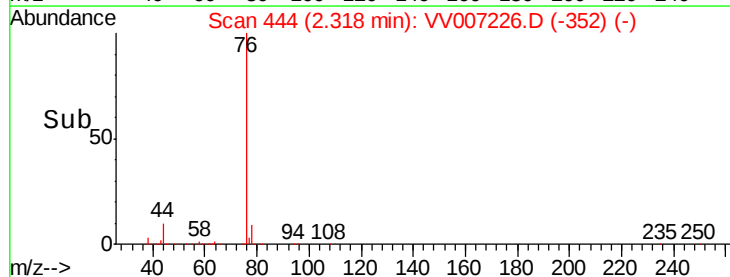
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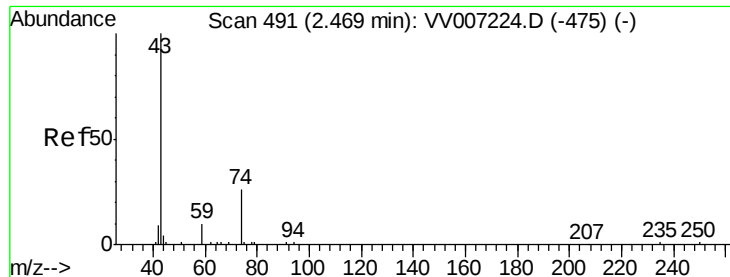
200000

0

2.30 2.40

Time-->

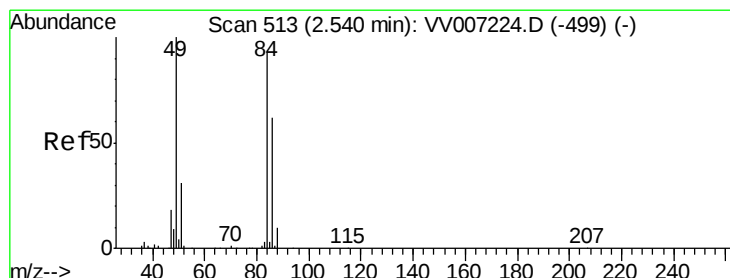
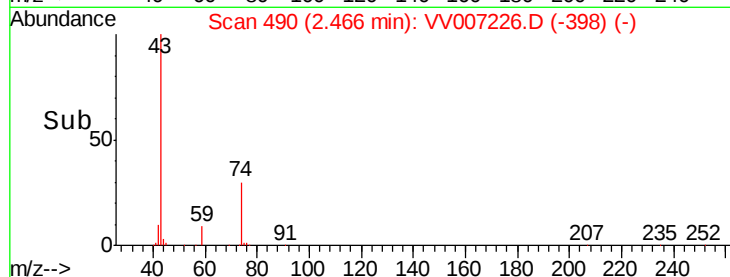
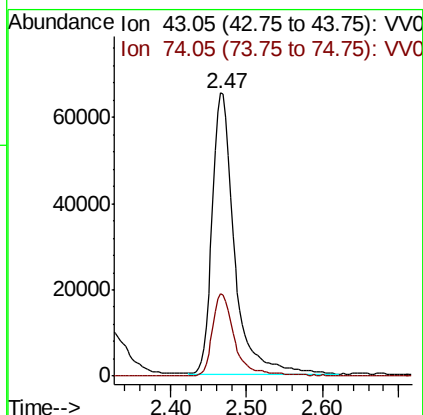
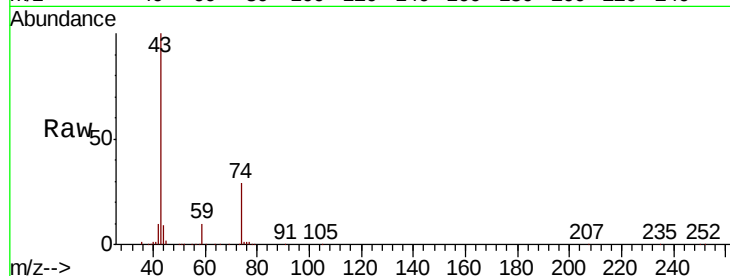




#15
Methyl Acetate
Concen: 20.378 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV007226.D
Acq: 28 Aug 2018 13:41

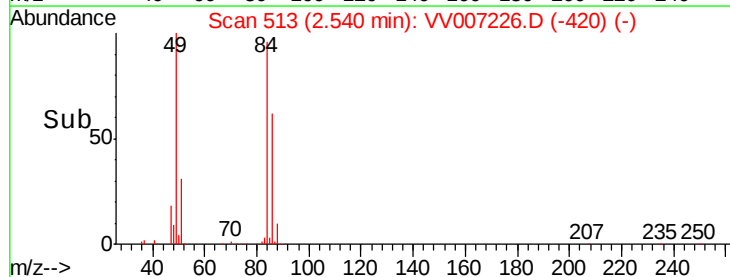
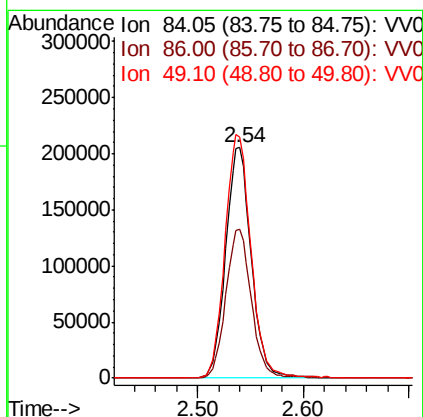
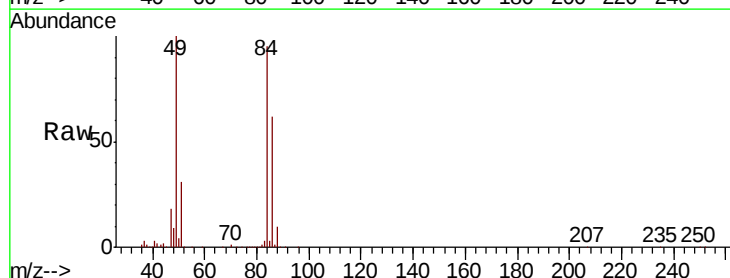
Instrument :
MSVOA_V
ClientSampleId :
VSTD02080

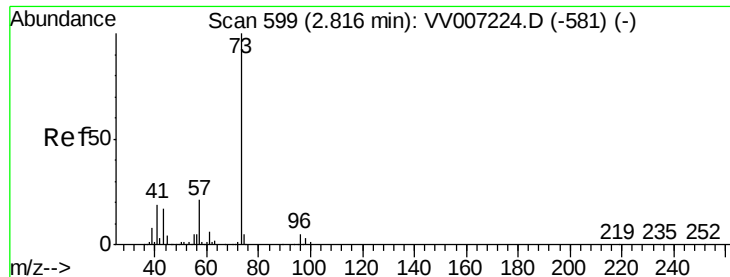
Tgt Ion: 43 Resp: 133084
Ion Ratio Lower Upper
43 100
74 29.2 22.2 33.2



#16
Methylene chloride
Concen: 16.216 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007226.D
Acq: 28 Aug 2018 13:41

Tgt Ion: 84 Resp: 343894
Ion Ratio Lower Upper
84 100
86 64.4 46.3 85.9
49 104.8 75.2 139.6



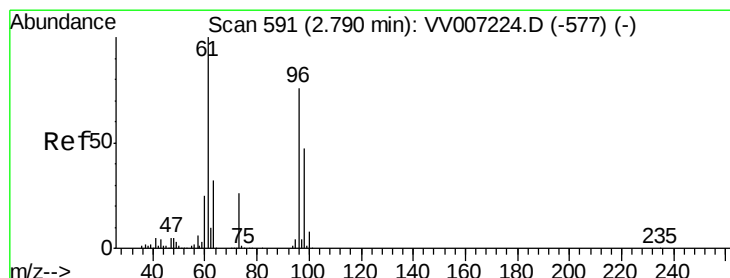
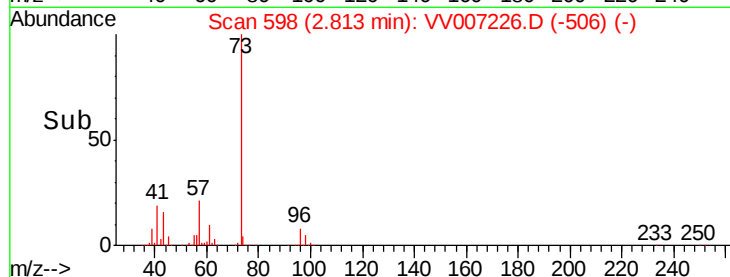
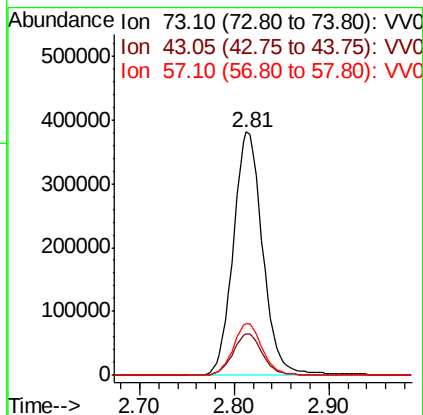
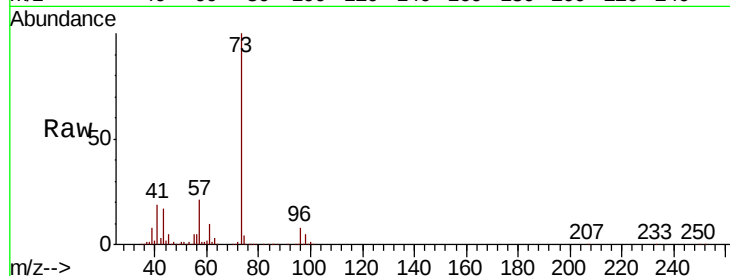


#17

Methyl tert-butyl Ether
 Concen: 18.852 ug/L
 RT: 2.81 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02080

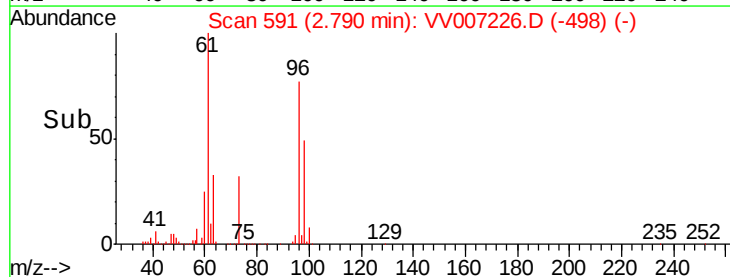
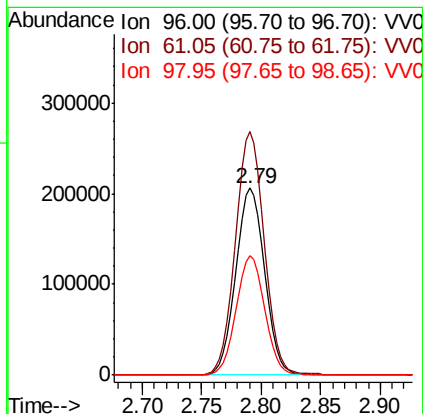
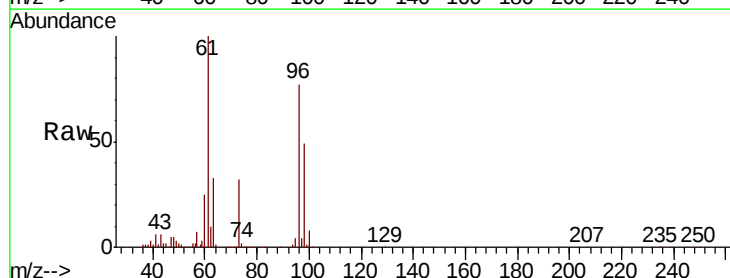
Tgt Ion	Ratio	Lower	Upper
73	100		
43	16.9	13.8	20.6
57	21.1	16.9	25.3

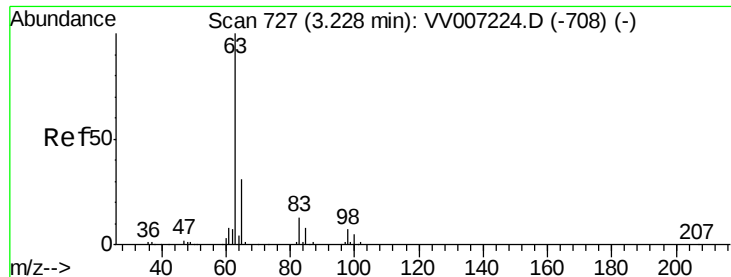


#18

trans-1,2-Dichloroethene
 Concen: 17.813 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.4	92.7	172.1
98	64.0	43.2	80.2





#19

1,1-Dichloroethane

Concen: 19.228 ug/L

RT: 3.23 min Scan# 727

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02080

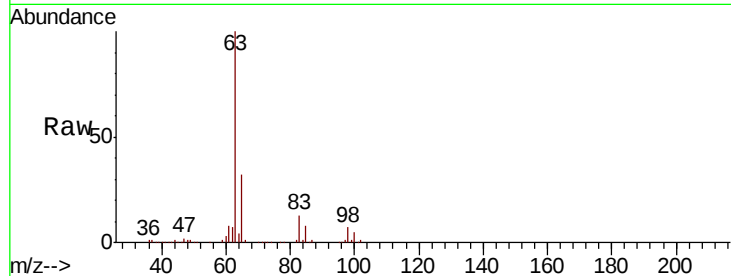
Tgt Ion: 63 Resp: 711356

Ion Ratio Lower Upper

63 100

65 31.6 21.8 40.4

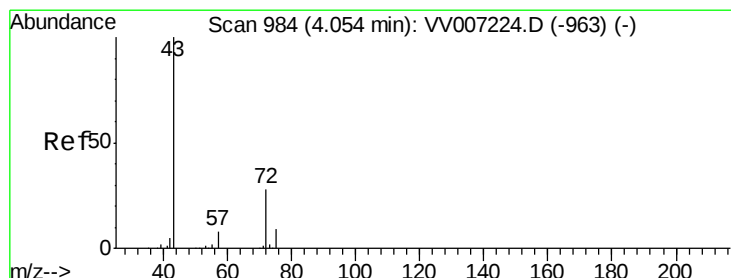
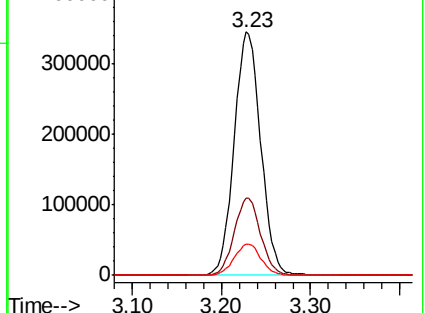
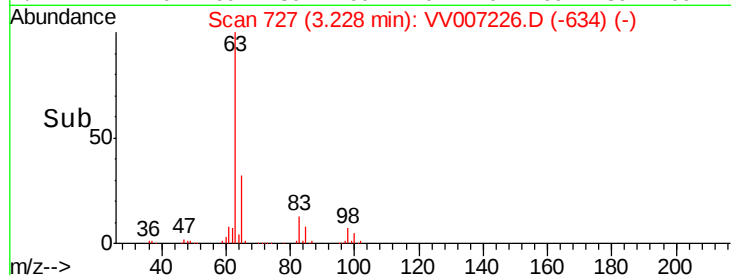
83 12.9 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VV007226.D (-634) (-)

Ion 65.10 (64.80 to 65.80): VV007226.D (-634) (-)

Ion 83.05 (82.75 to 83.75): VV007226.D (-634) (-)



#21

2-Butanone

Concen: 214.265 ug/L

RT: 4.05 min Scan# 982

Delta R.T. -0.01 min

Lab File: VV007226.D

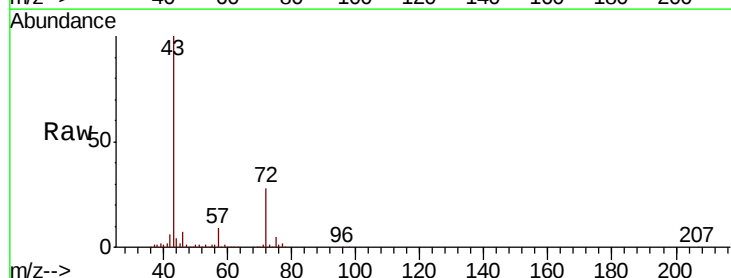
Acq: 28 Aug 2018 13:41

Tgt Ion: 43 Resp: 1089694

Ion Ratio Lower Upper

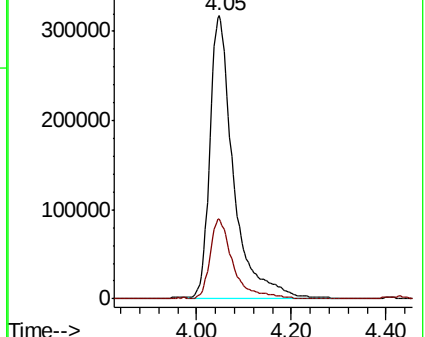
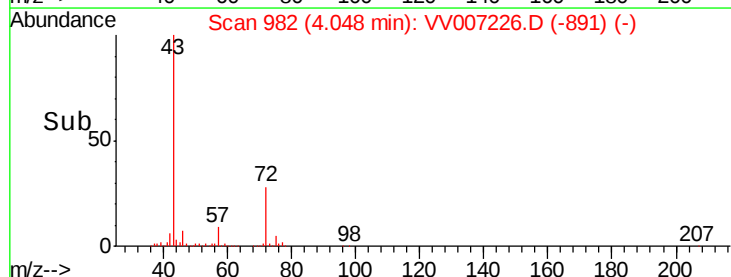
43 100

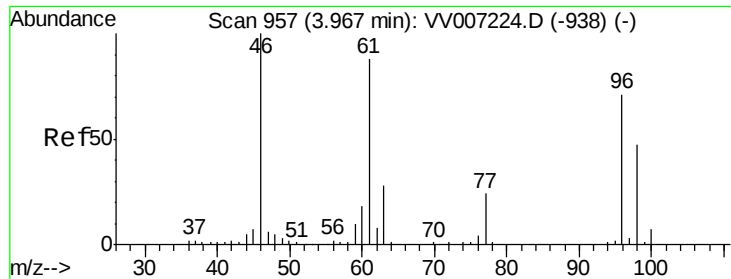
72 27.4 12.4 37.0



Abundance Ion 43.05 (42.75 to 43.75): VV007226.D (-891) (-)

Ion 72.10 (71.80 to 72.80): VV007226.D (-891) (-)



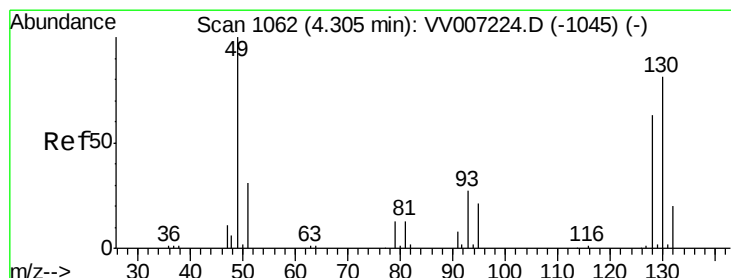
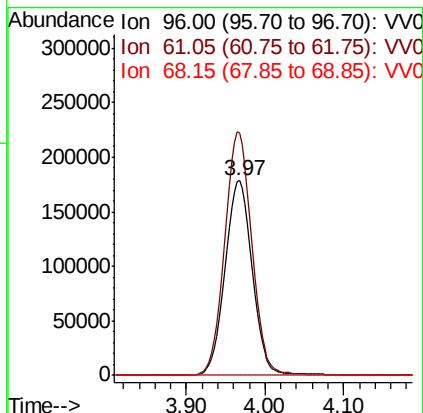
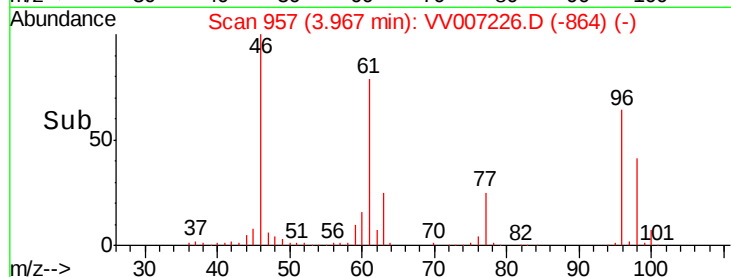
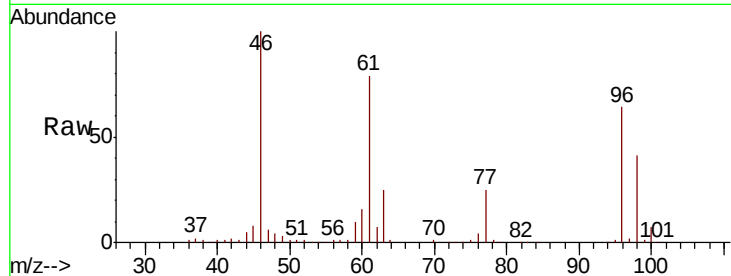


#22

cis-1,2-Dichloroethene
 Concen: 19.620 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02080

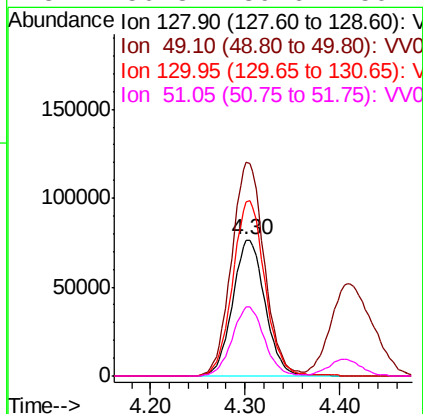
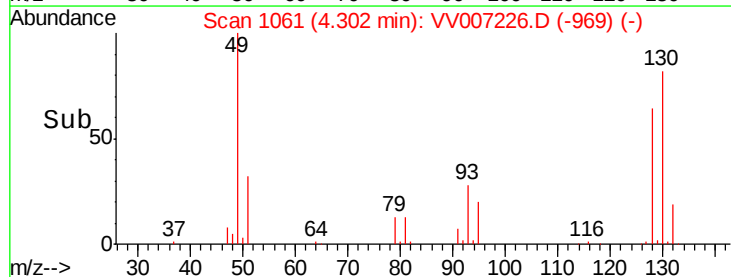
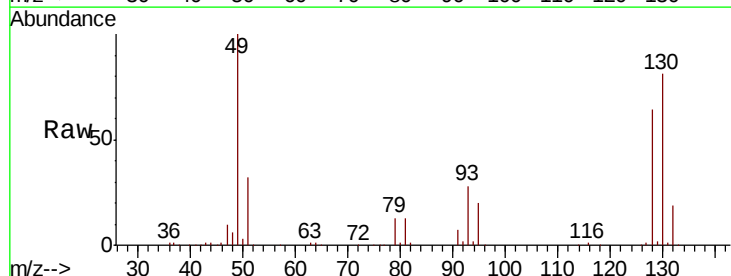
Tgt Ion: 96 Resp: 425669
 Ion Ratio Lower Upper
 96 100
 61 124.5 87.1 161.7
 68 0.0 0.0 0.0

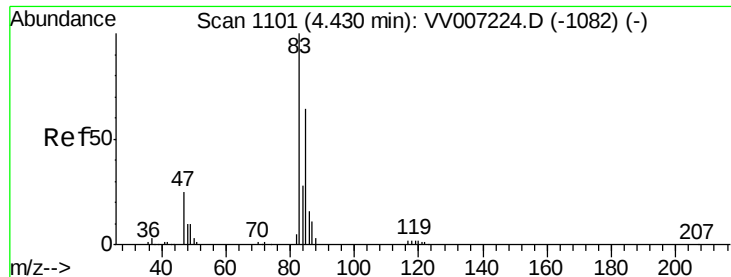


#23

Bromochloromethane
 Concen: 18.338 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

Tgt Ion: 128 Resp: 182270
 Ion Ratio Lower Upper
 128 100
 49 157.3 111.1 206.3
 130 127.9 90.0 167.2
 51 50.8 39.6 59.4





#25

Chloroform

Concen: 18.315 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

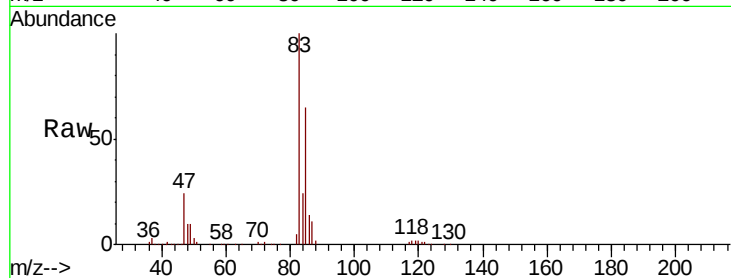
VSTD02080

Tgt Ion: 83 Resp: 722408

Ion Ratio Lower Upper

83 100

85 64.8 45.0 83.6



Abundance Ion 83.05 (82.75 to 83.75): VV007226.D (-1082) (-)

Ion 85.00 (84.70 to 85.70): VV007226.D (-1082) (-)

4.43

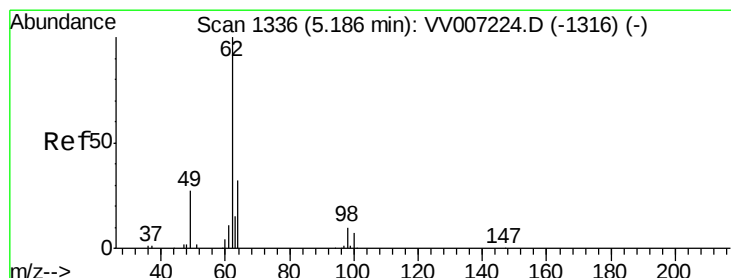
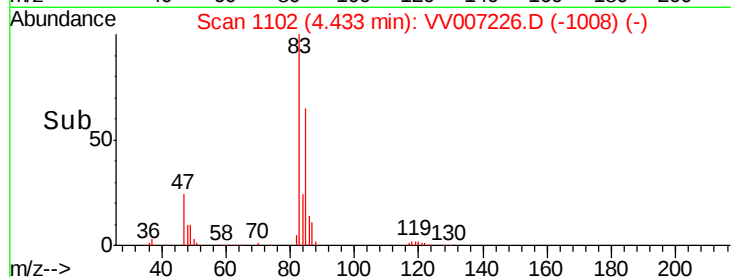
300000

200000

100000

0

Time-->



#27

1,2-Dichloroethane

Concen: 19.041 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV007226.D

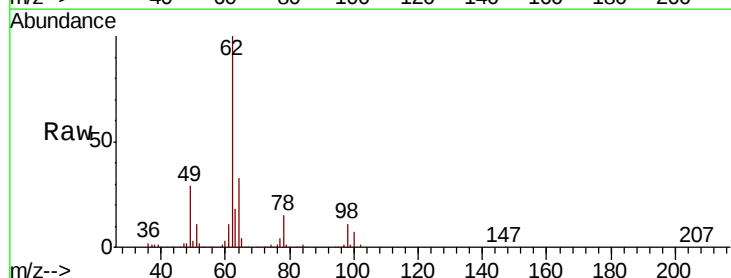
Acq: 28 Aug 2018 13:41

Tgt Ion: 62 Resp: 427152

Ion Ratio Lower Upper

62 100

98 10.9 8.1 12.1



Abundance Ion 62.00 (61.70 to 62.70): VV007226.D (-1243) (-)

Ion 98.05 (97.75 to 98.75): VV007226.D (-1243) (-)

5.19

200000

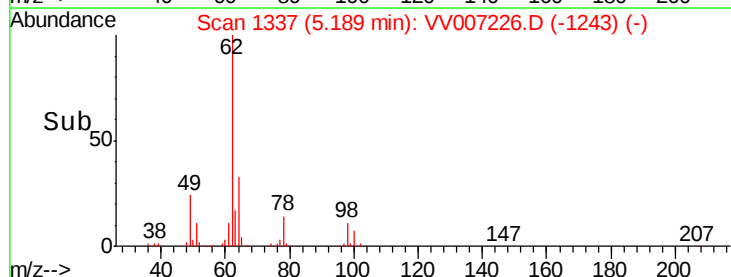
150000

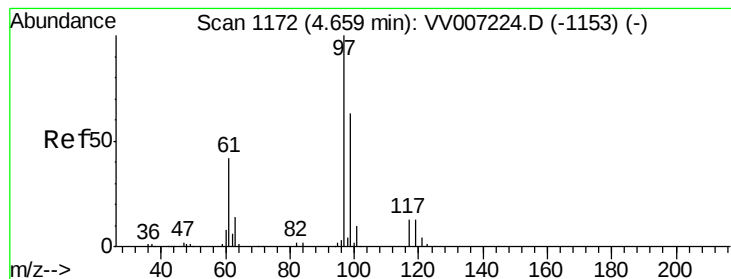
100000

50000

0

Time-->





#29

1,1,1-Trichloroethane

Concen: 17.959 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02080

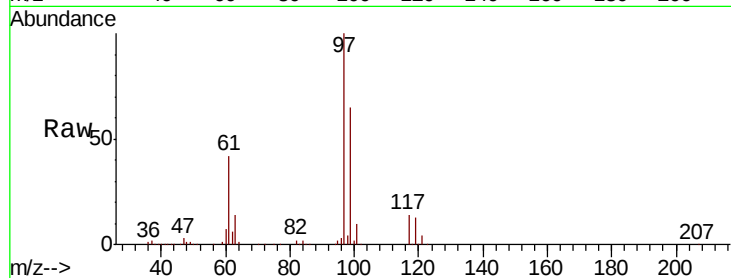
Tgt Ion: 97 Resp: 604699

Ion Ratio Lower Upper

97 100

99 64.4 50.8 76.2

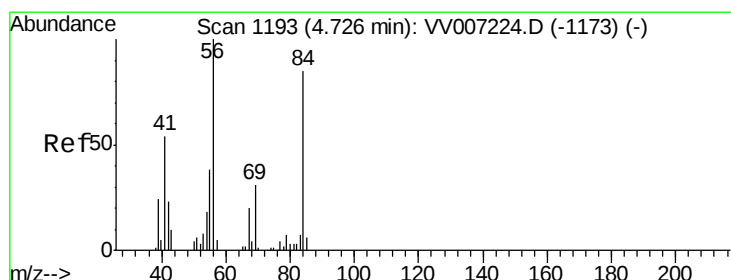
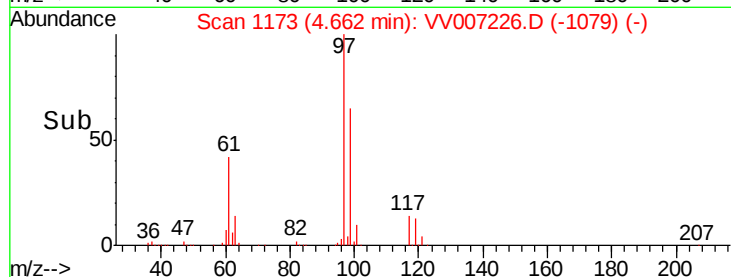
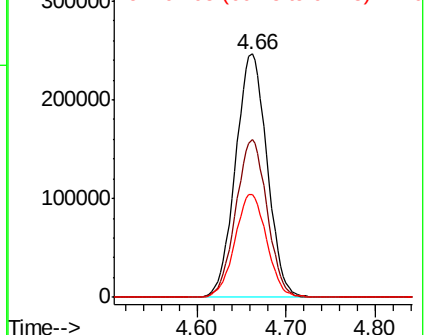
61 42.8 34.6 51.8



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: 20.631 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

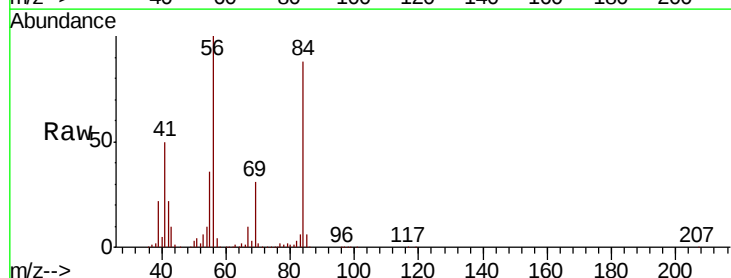
Tgt Ion: 56 Resp: 616741

Ion Ratio Lower Upper

56 100

69 30.5 24.8 37.2

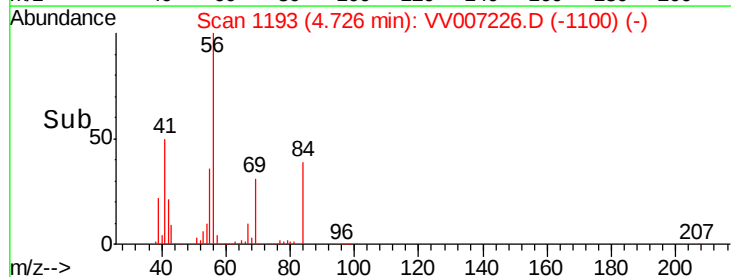
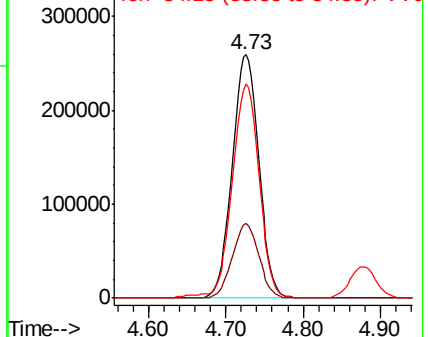
84 89.5 72.9 109.3

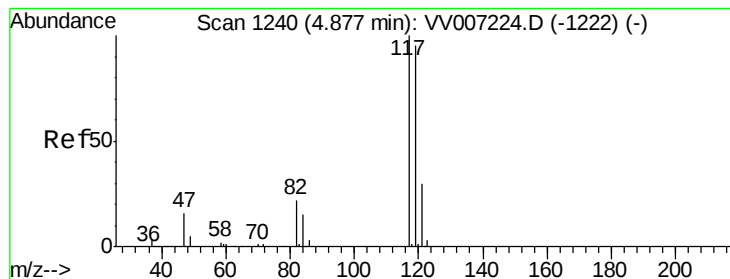


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 18.653 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

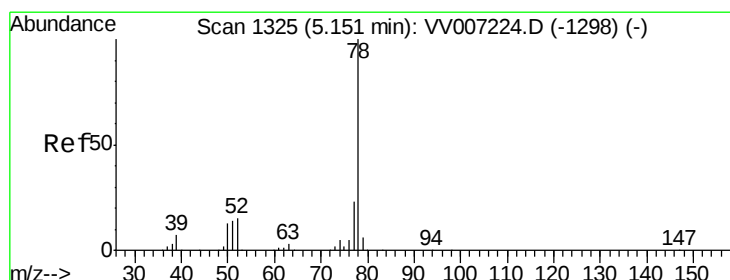
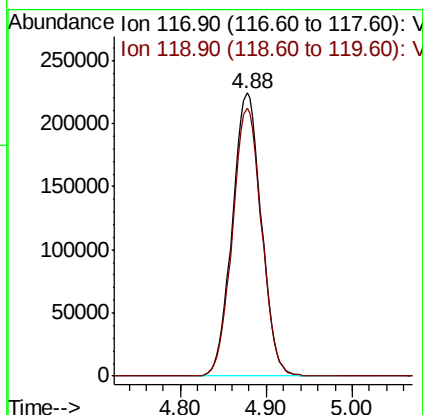
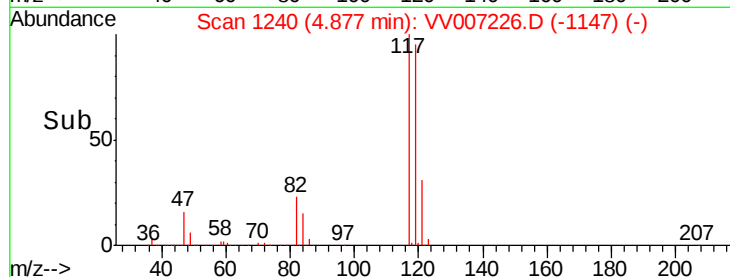
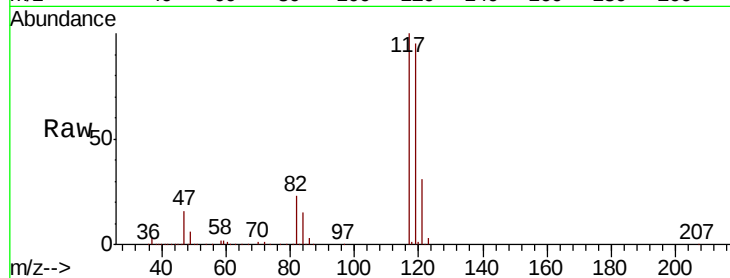
VSTD02080

Tgt Ion:117 Resp: 525448

Ion Ratio Lower Upper

117 100

119 95.3 77.2 115.8



#33

Benzene

Concen: 19.123 ug/L

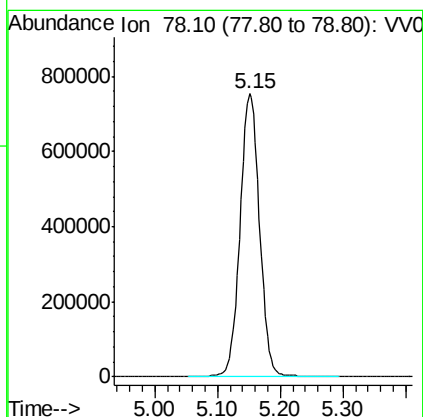
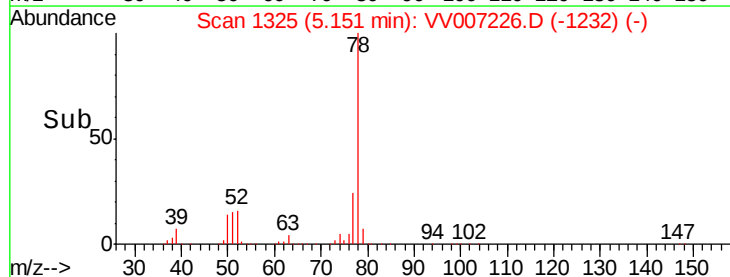
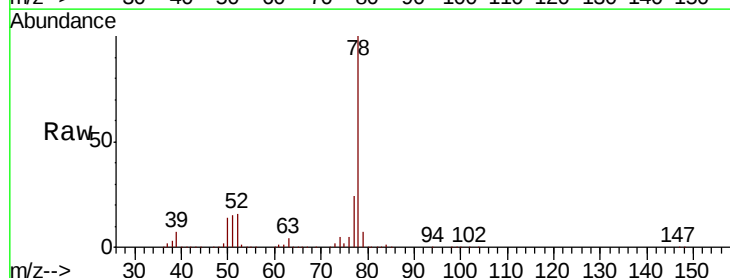
RT: 5.15 min Scan# 1325

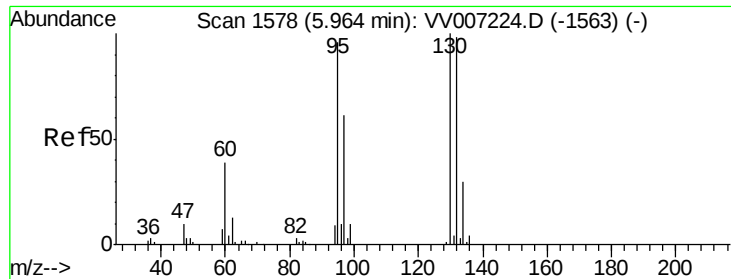
Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Tgt Ion: 78 Resp: 1634356





#34

Trichloroethene

Concen: 19.116 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02080

Tgt Ion: 95 Resp: 394426

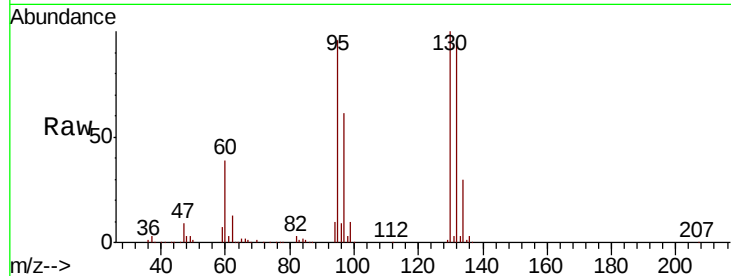
Ion Ratio Lower Upper

95 100

97 64.2 44.2 82.2

132 99.2 71.3 132.3

130 104.4 72.8 135.2

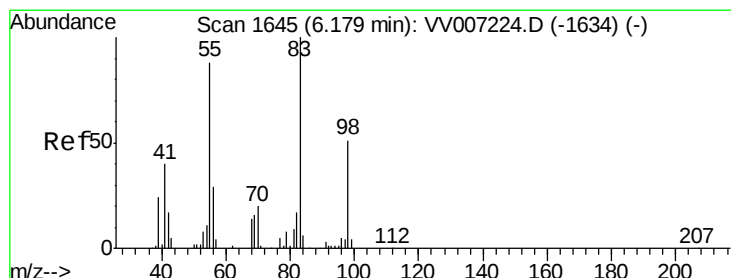
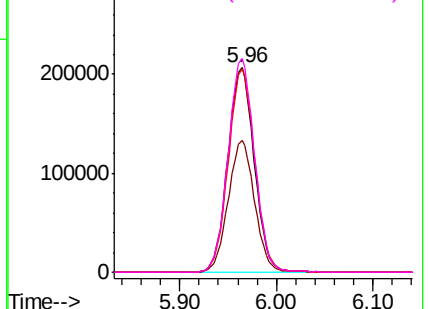
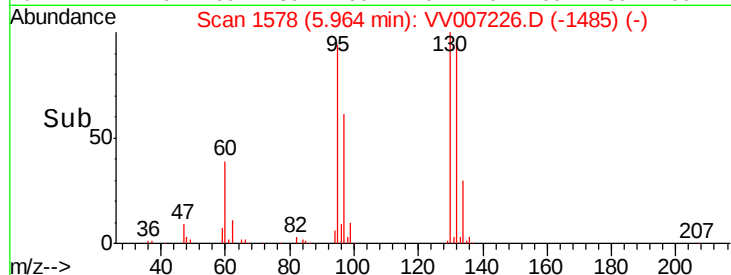


Abundance Ion 95.00 (94.70 to 95.70): VV007226.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV007226.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV007226.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV007226.D (-1485) (-)



#35

Methylcyclohexane

Concen: 21.876 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

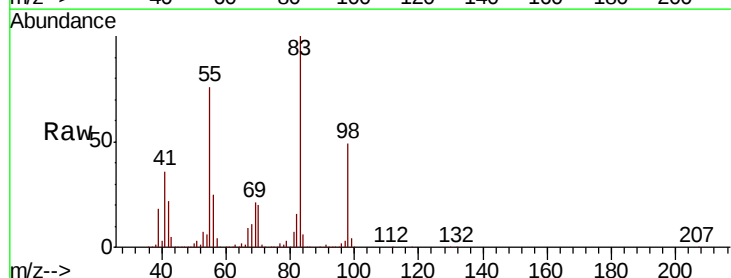
Tgt Ion: 83 Resp: 671997

Ion Ratio Lower Upper

83 100

55 76.5 64.0 96.0

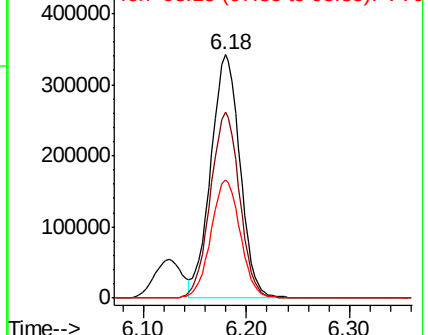
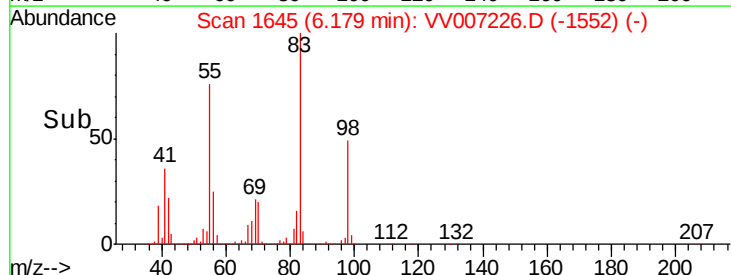
98 49.2 38.8 58.2

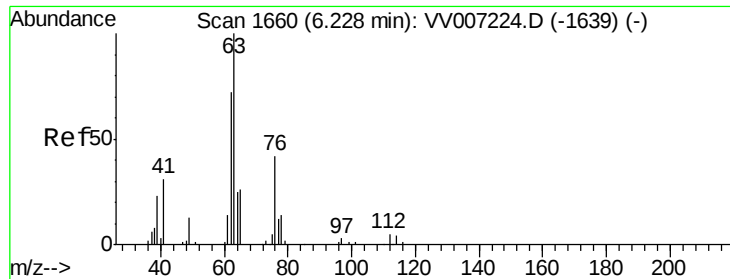


Abundance Ion 83.15 (82.85 to 83.85): VV007226.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV007226.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV007226.D (-1552) (-)

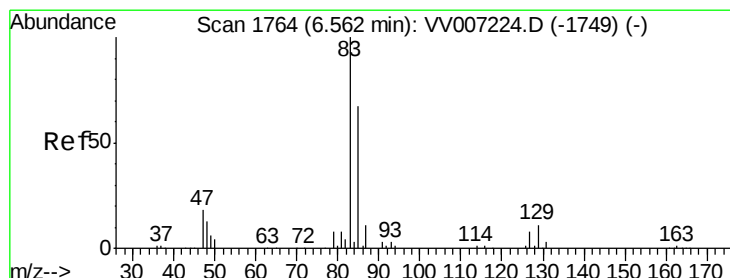
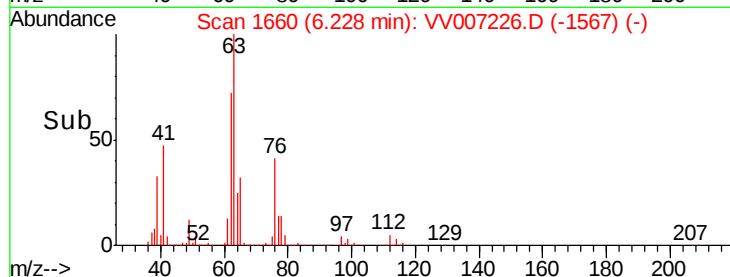
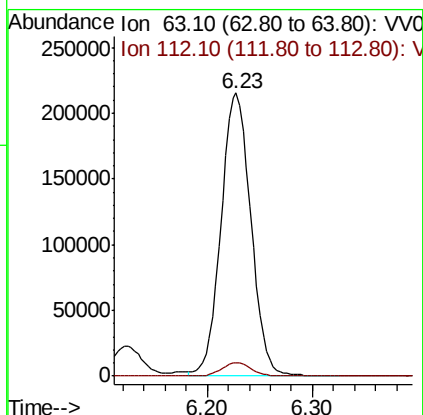
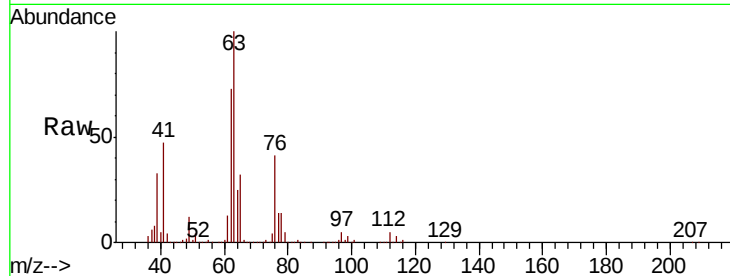




#37
 1,2-Dichloropropane
 Concen: 18.237 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

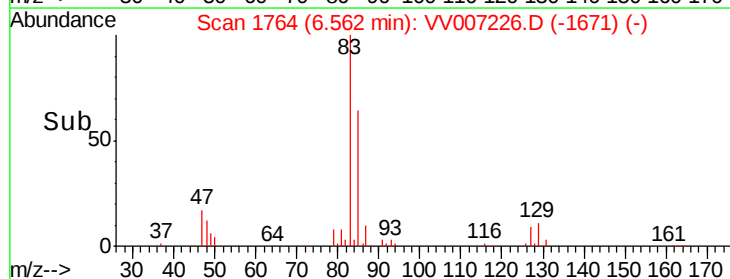
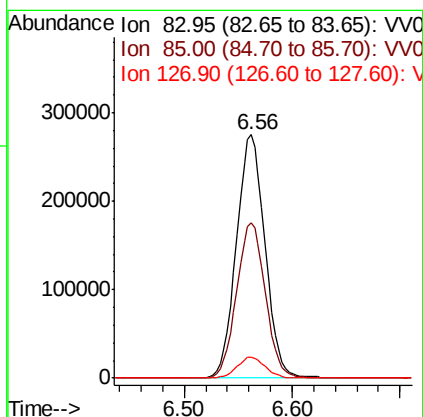
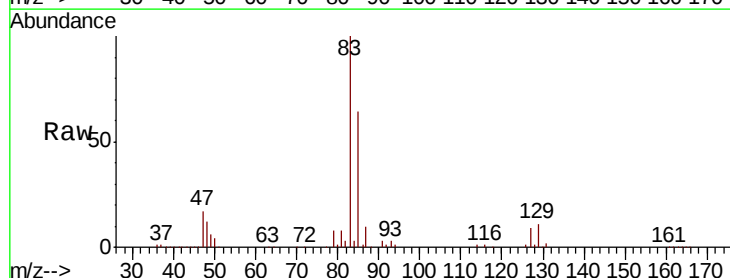
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02080

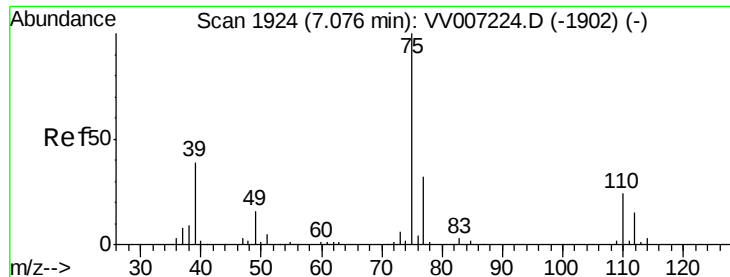
Tgt Ion: 63 Resp: 420069
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.9 5.9



#38
 Bromodichloromethane
 Concen: 18.877 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

Tgt Ion: 83 Resp: 506220
 Ion Ratio Lower Upper
 83 100
 85 63.9 46.5 86.5
 127 8.7 6.6 10.0

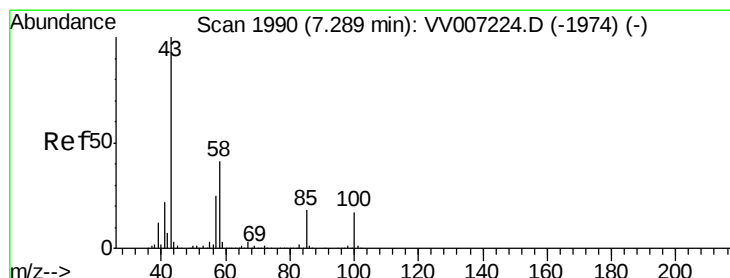
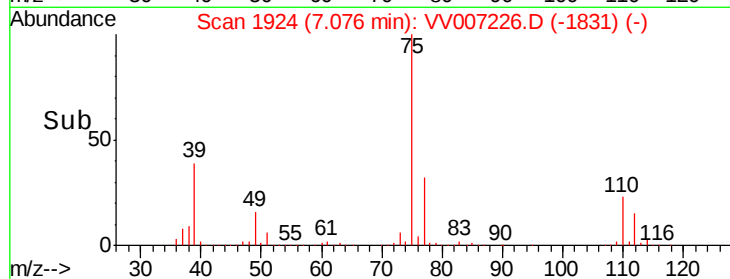
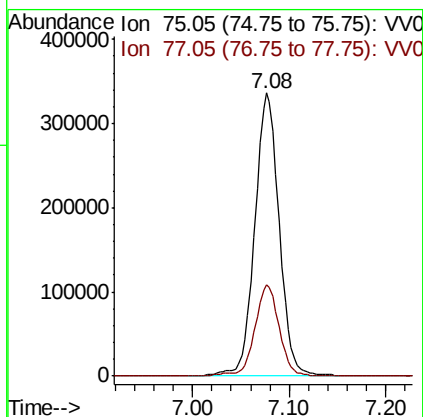
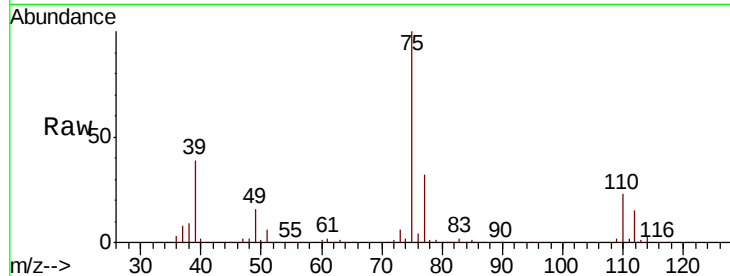




#39
 cis-1,3-Dichloropropene
 Concen: 21.528 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

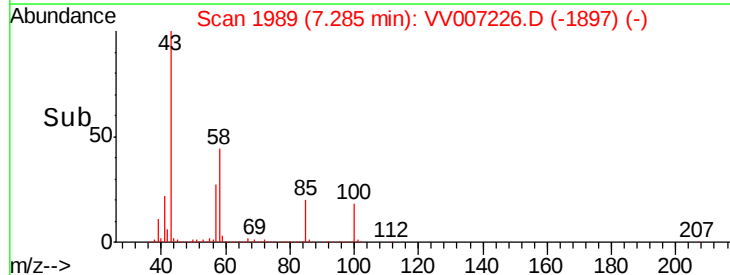
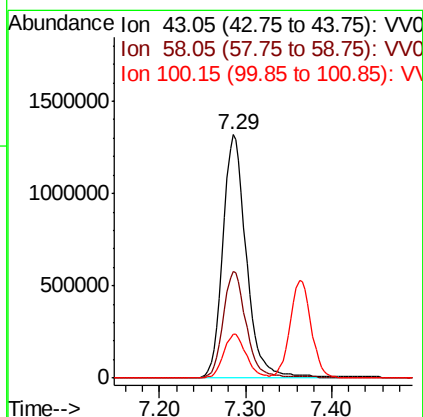
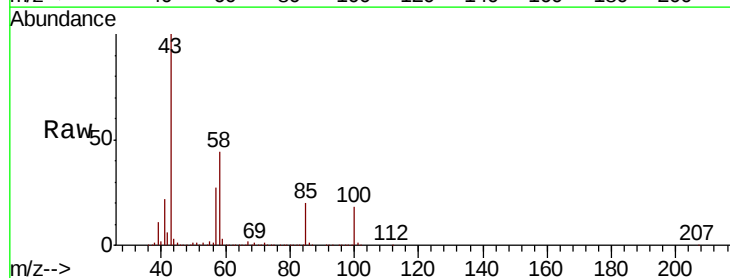
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02080

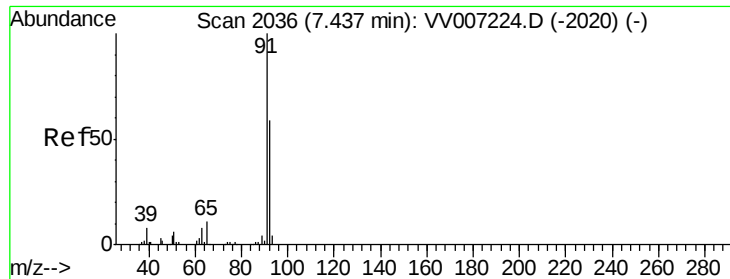
Tgt Ion: 75 Resp: 590034
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 220.954 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

Tgt Ion: 43 Resp: 2515681
 Ion Ratio Lower Upper
 43 100
 58 42.7 33.8 50.8
 100 17.4 13.1 19.7





#42

Toluene

Concen: 20.720 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

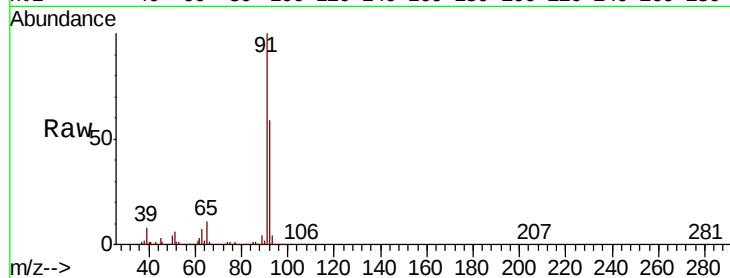
VSTD02080

Tgt Ion: 91 Resp: 1697429

Ion Ratio Lower Upper

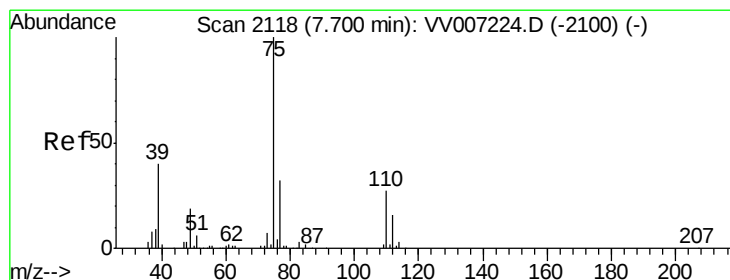
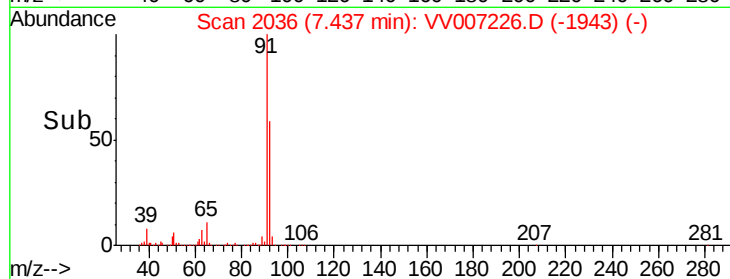
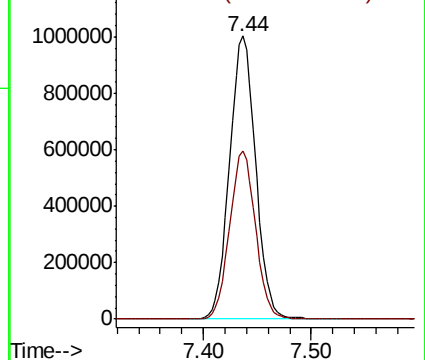
91 100

92 59.2 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 21.320 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007226.D

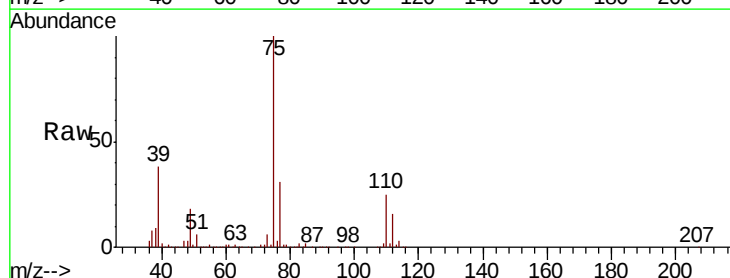
Acq: 28 Aug 2018 13:41

Tgt Ion: 75 Resp: 485788

Ion Ratio Lower Upper

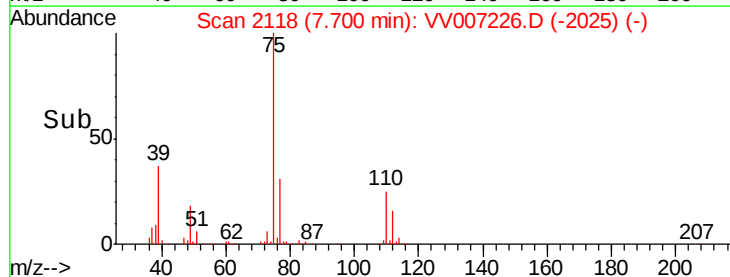
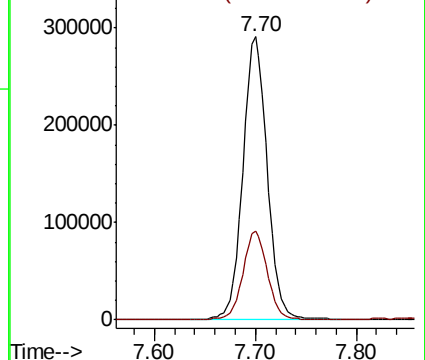
75 100

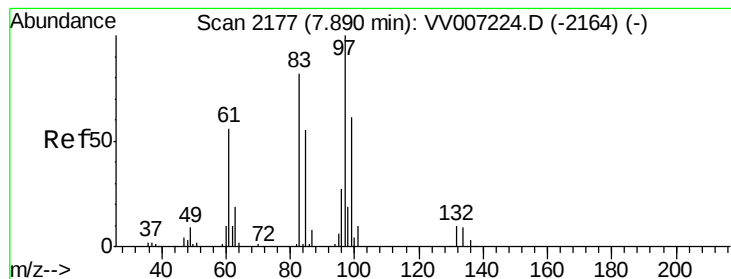
77 31.4 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 19.010 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampled :

VSTD02080

Tgt Ion: 97 Resp: 297220

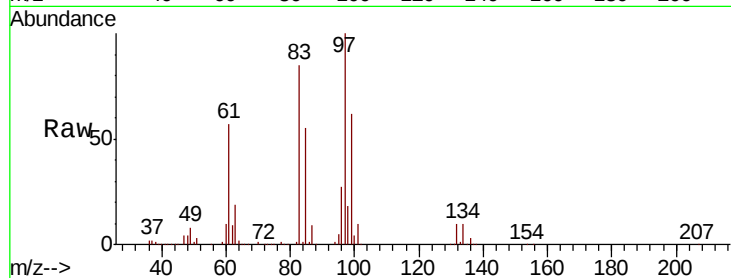
Ion Ratio Lower Upper

97 100

99 61.6 42.6 79.0

83 84.8 57.3 106.3

85 55.5 38.3 71.1

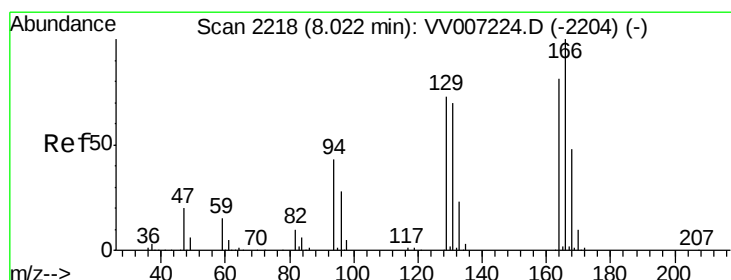
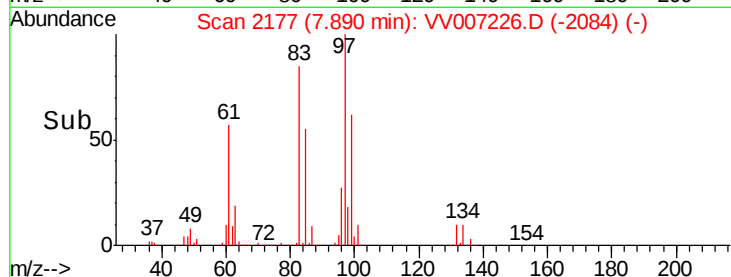
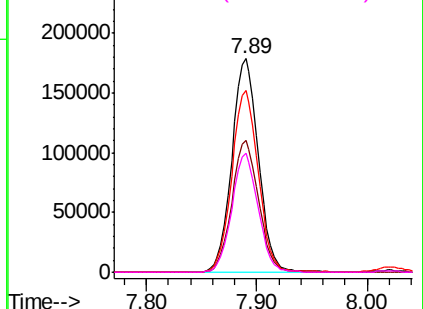


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 19.033 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Tgt Ion: 164 Resp: 328348

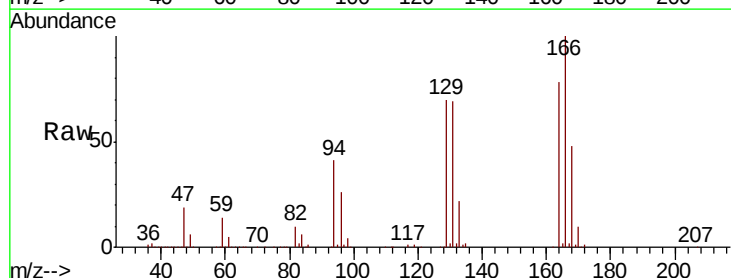
Ion Ratio Lower Upper

164 100

129 90.1 62.7 116.5

131 88.4 60.1 111.7

166 128.0 86.4 160.4

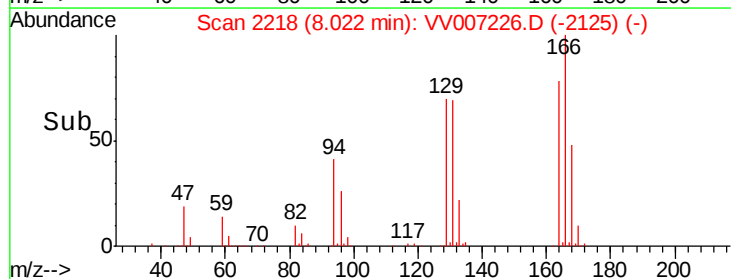
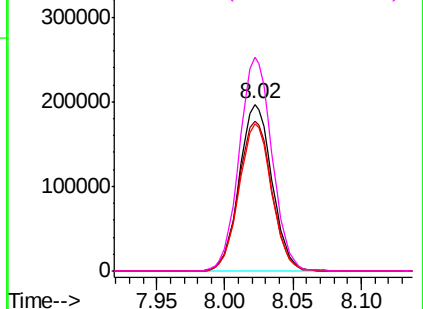


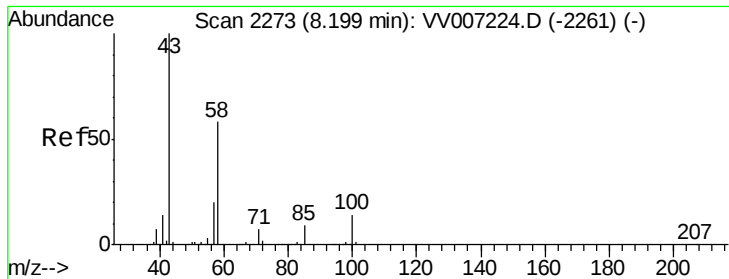
Abundance Ion 163.90 (163.60 to 164.60): V

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



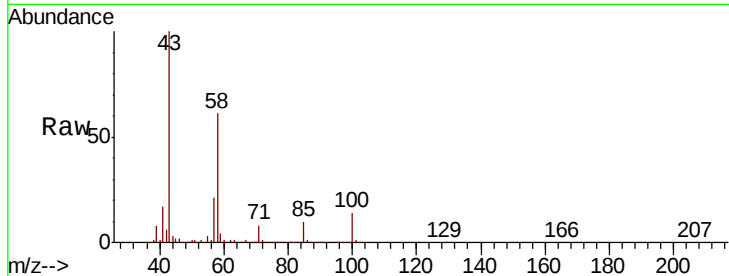


#48
2-Hexanone
Concen: 215.323 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV007226.D
Acq: 28 Aug 2018 13:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD02080

Tgt Ion: 43 Resp: 1835337

Ion	Ratio	Lower	Upper
43	100		
58	61.2	50.0	75.0
57	20.6	16.6	25.0
100	13.9	10.2	15.4



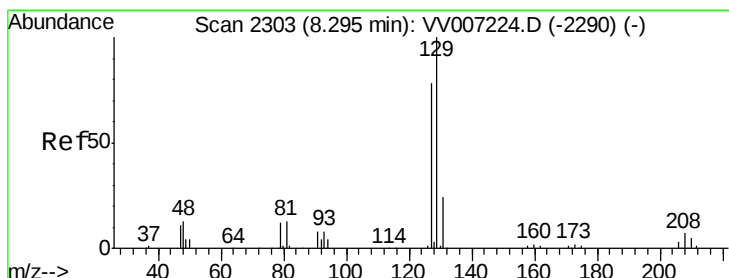
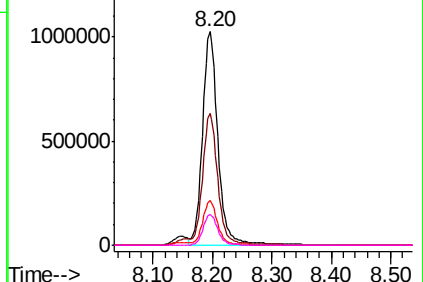
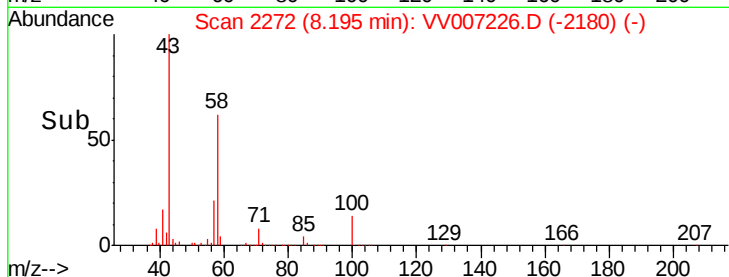
Abundance

Ion 43.05 (42.75 to 43.75): VV007226.D (-2180) (-)

Ion 58.05 (57.75 to 58.75): VV007226.D (-2180) (-)

Ion 57.20 (56.90 to 57.90): VV007226.D (-2180) (-)

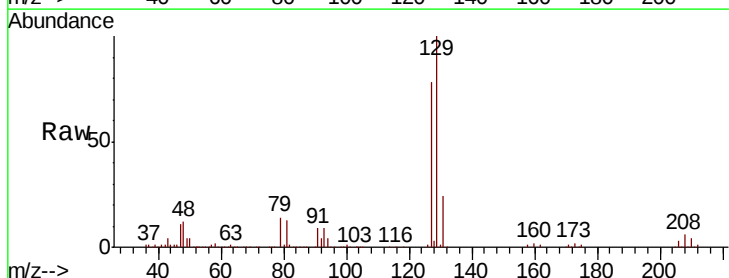
Ion 100.15 (99.85 to 100.85): VV007226.D (-2180) (-)



#49
Dibromochloromethane
Concen: 20.169 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007226.D
Acq: 28 Aug 2018 13:41

Tgt Ion: 129 Resp: 346709

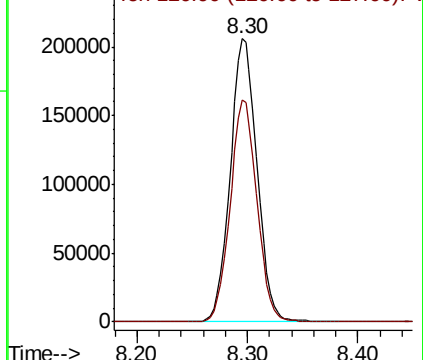
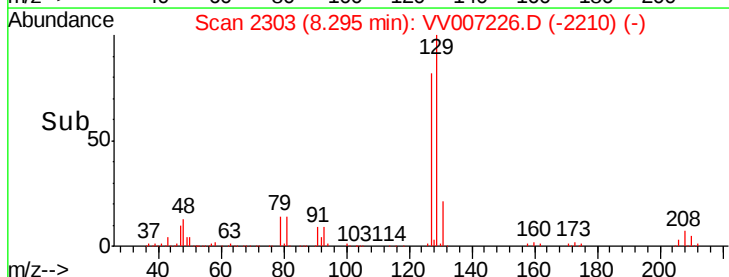
Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.9	101.9

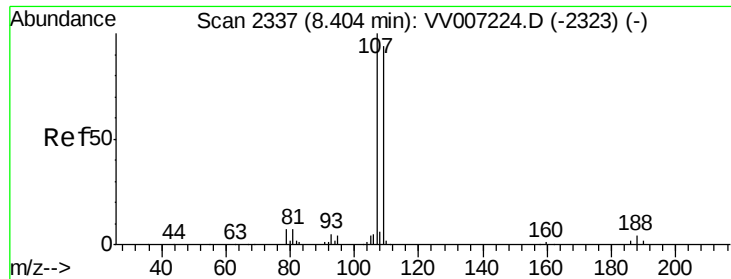


Abundance

Ion 128.95 (128.65 to 129.65): VV007226.D (-2210) (-)

Ion 126.90 (126.60 to 127.60): VV007226.D (-2210) (-)





#50

1,2-Dibromoethane

Concen: 20.110 ug/L

RT: 8.40 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02080

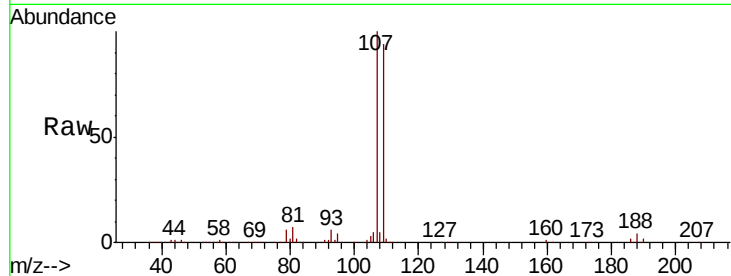
Tgt Ion:107 Resp: 264227

Ion Ratio Lower Upper

107 100

109 93.6 65.9 122.3

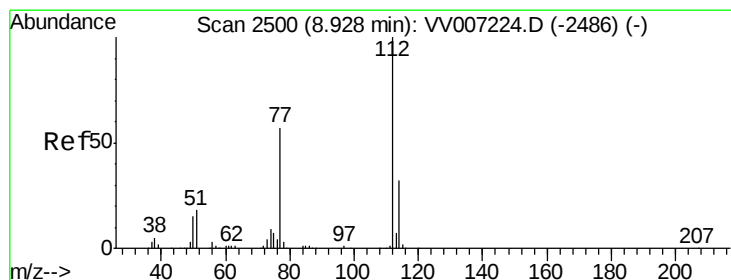
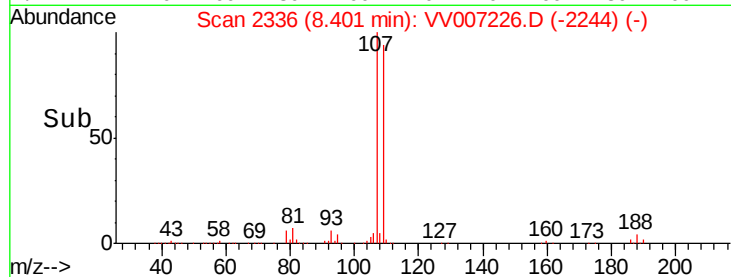
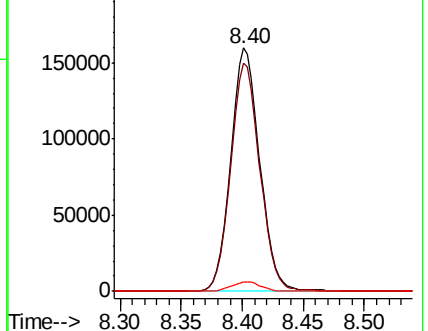
188 3.9 3.5 5.3



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: 19.809 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

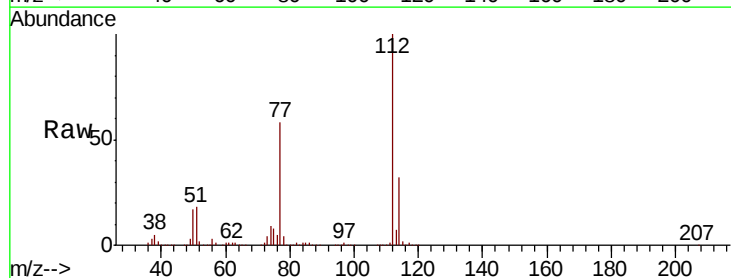
Tgt Ion:112 Resp: 1077048

Ion Ratio Lower Upper

112 100

114 32.0 22.0 41.0

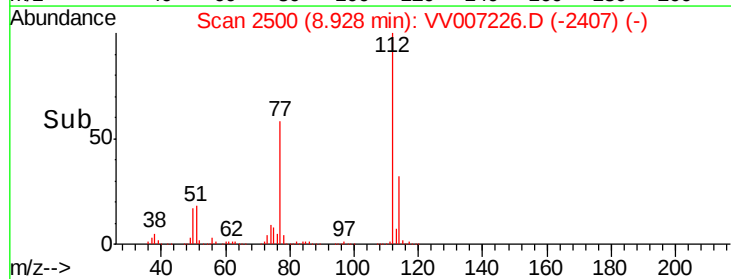
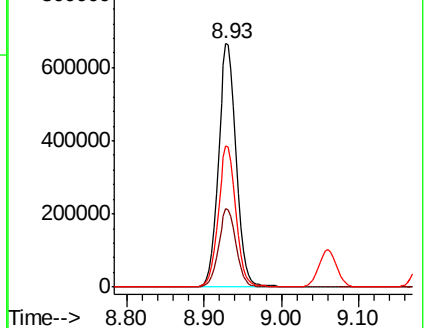
77 58.2 45.9 68.9

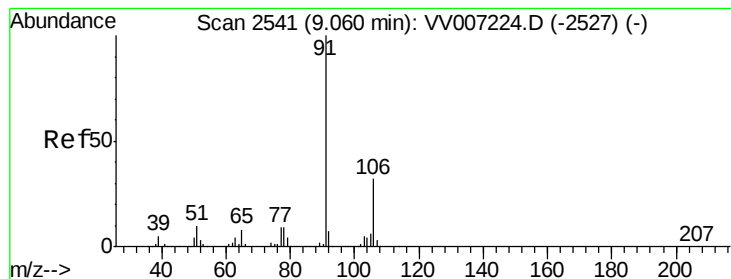


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 22.518 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

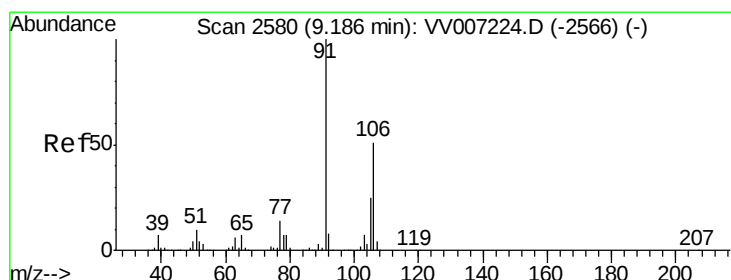
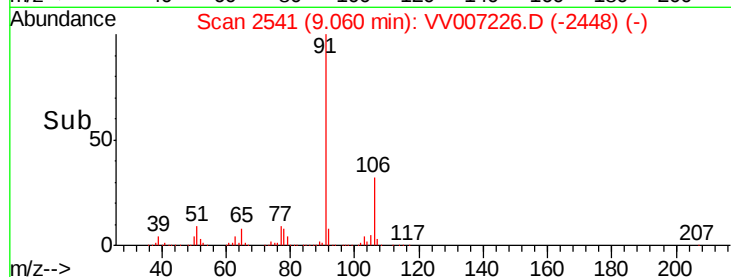
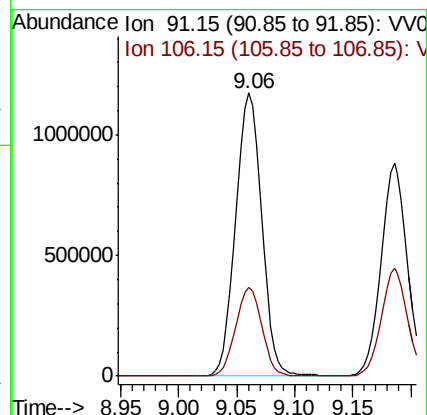
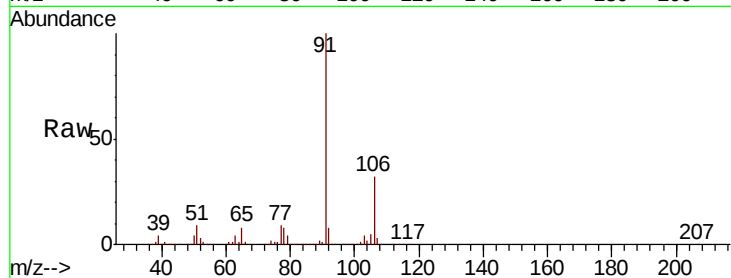
VSTD02080

Tgt Ion: 91 Resp: 1822545

Ion Ratio Lower Upper

91 100

106 31.5 22.3 41.3



#53

m,p-xylene

Concen: 23.170 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007226.D

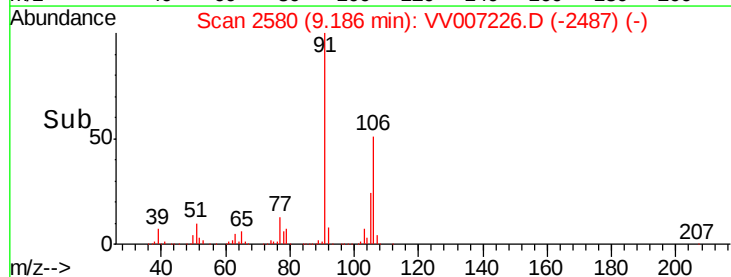
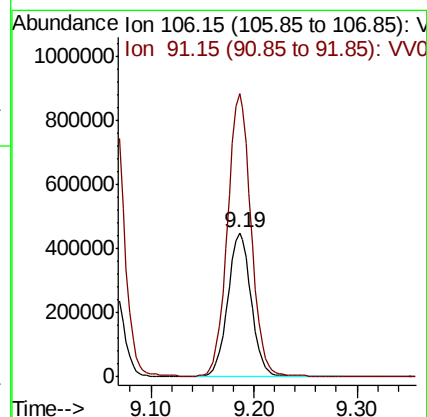
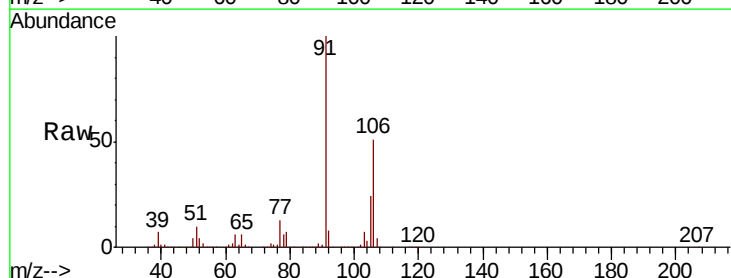
Acq: 28 Aug 2018 13:41

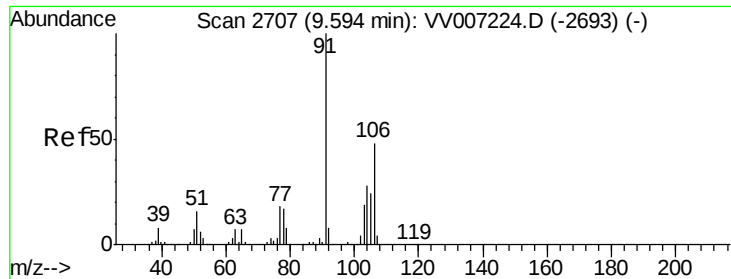
Tgt Ion: 106 Resp: 707735

Ion Ratio Lower Upper

106 100

91 196.5 138.4 257.0





#54

o-xylene

Concen: 23.219 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

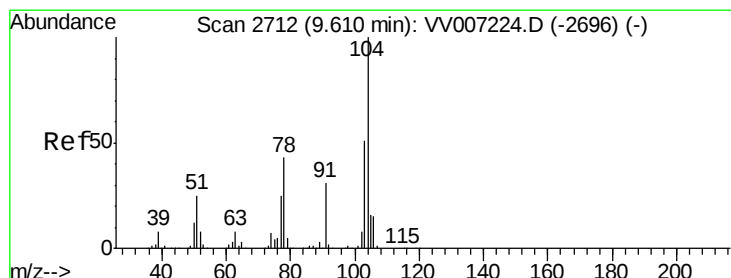
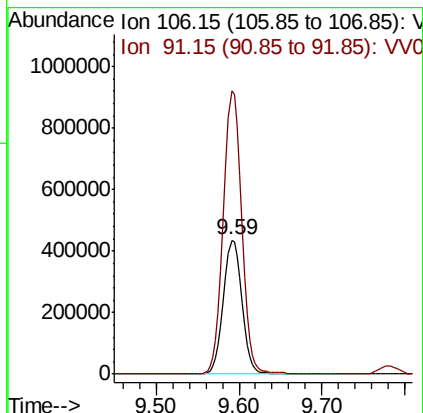
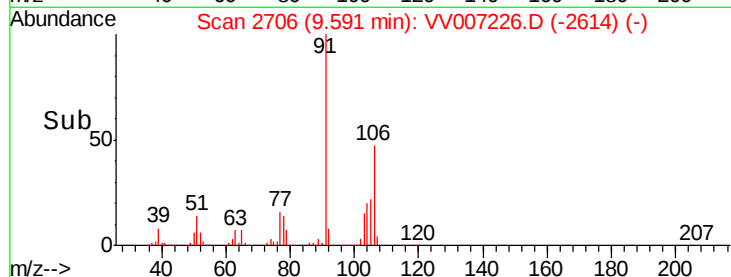
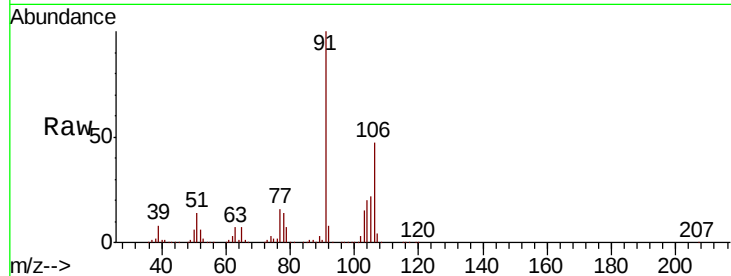
VSTD02080

Tgt Ion:106 Resp: 676530

Ion Ratio Lower Upper

106 100

91 211.3 146.9 272.7



#55

Styrene

Concen: 24.259 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007226.D

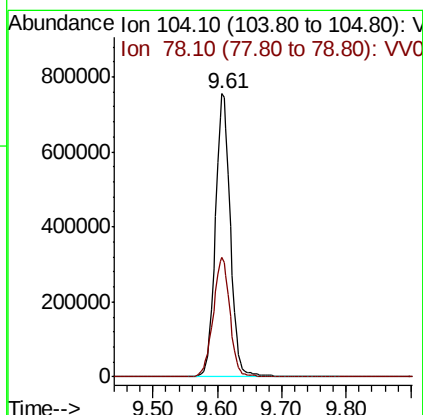
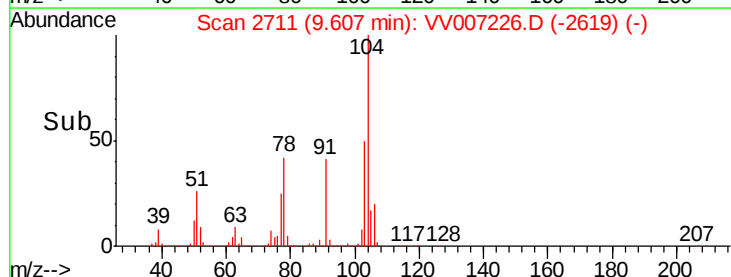
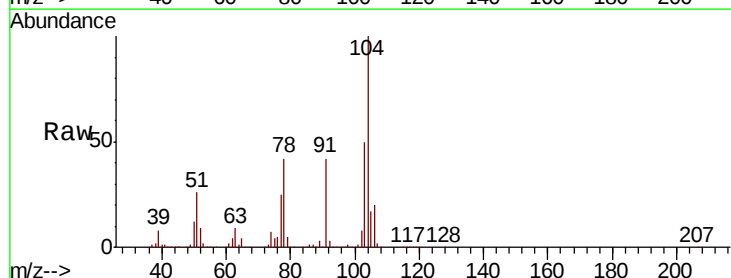
Acq: 28 Aug 2018 13:41

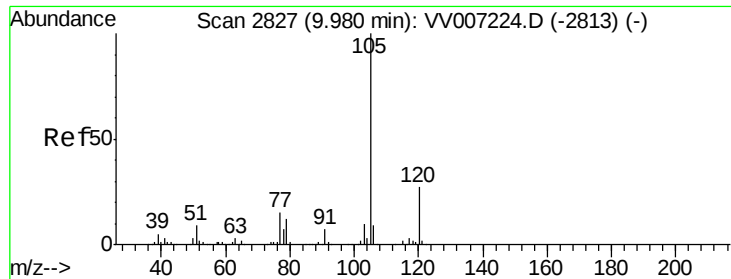
Tgt Ion:104 Resp: 1214185

Ion Ratio Lower Upper

104 100

78 42.3 30.2 56.2





#56

Isopropylbenzene

Concen: 23.613 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02080

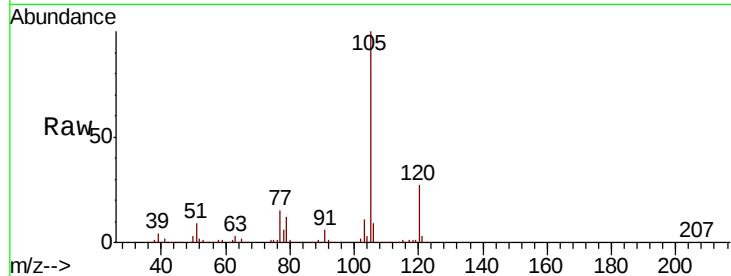
Tgt Ion:105 Resp: 1804141

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

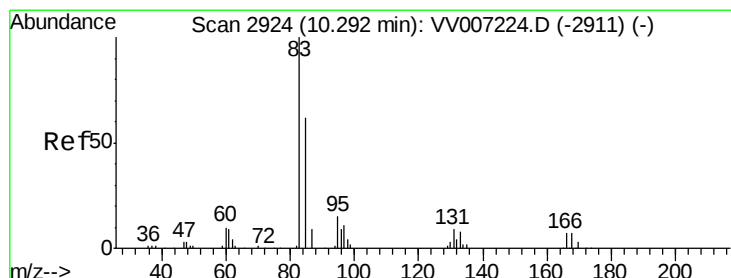
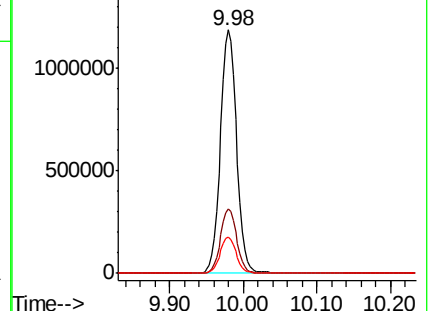
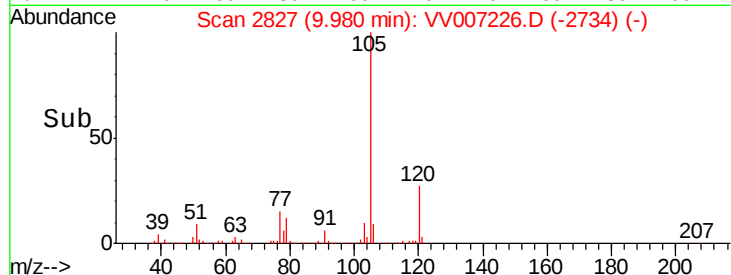
77 15.0 12.1 18.1



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: 19.973 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

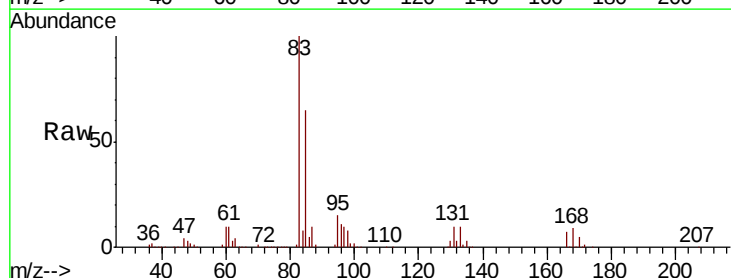
Tgt Ion: 83 Resp: 367673

Ion Ratio Lower Upper

83 100

85 64.6 43.7 81.1

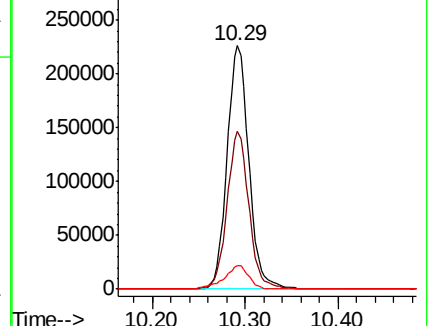
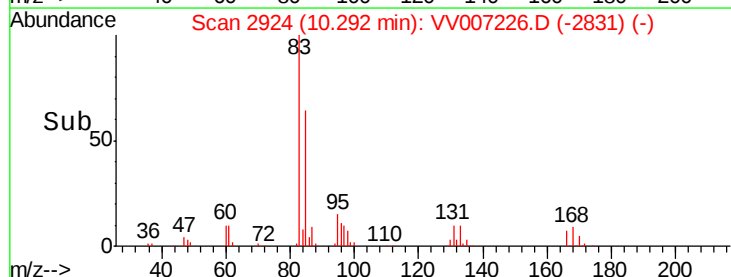
131 9.8 7.7 11.5

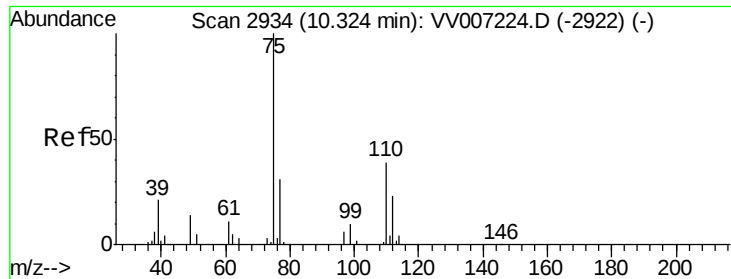


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

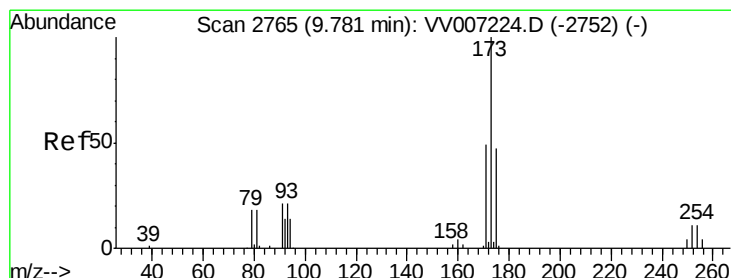
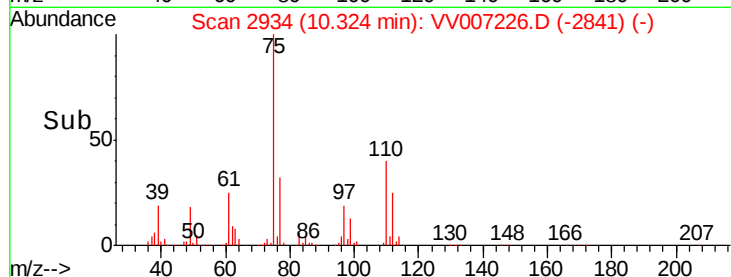
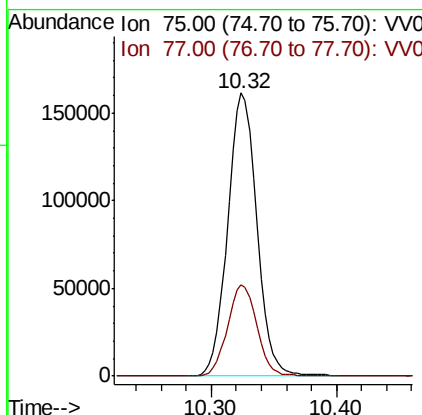
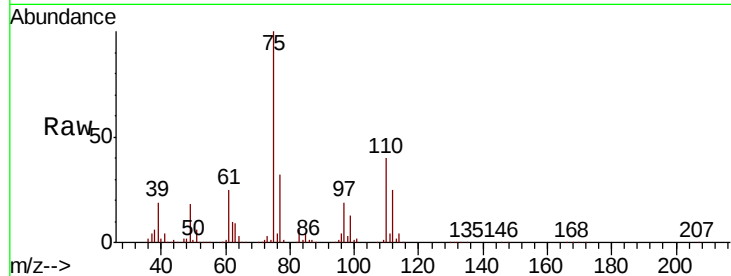




#59
 1,2,3-Trichloropropane
 Concen: 19.538 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

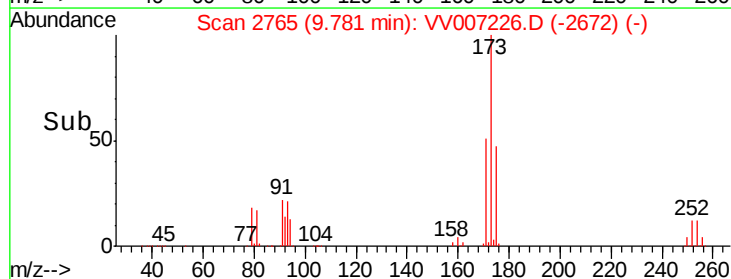
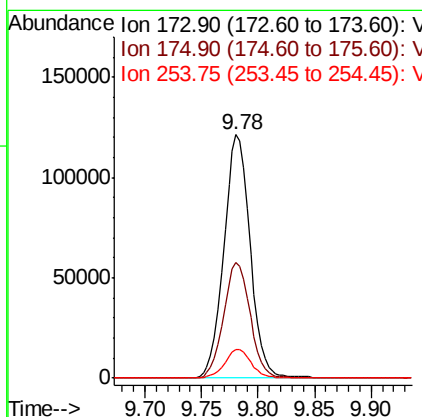
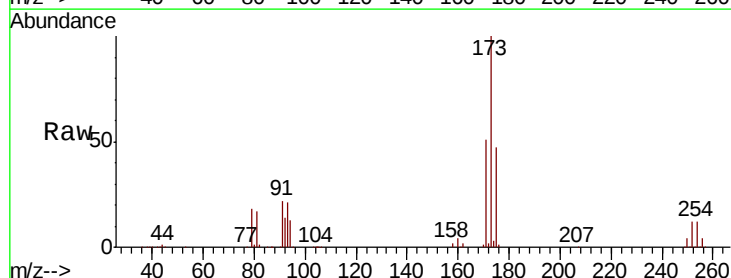
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02080

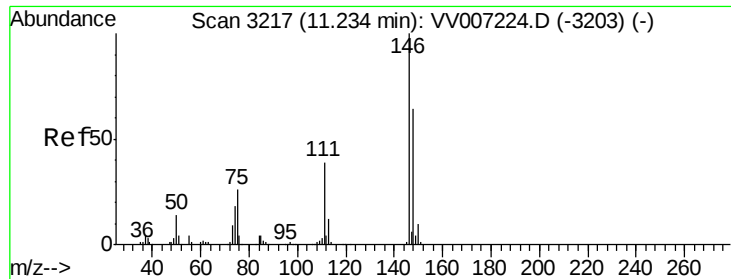
Tgt Ion: 75 Resp: 260489
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.0 39.0



#61
 Bromoform
 Concen: 18.342 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

Tgt Ion: 173 Resp: 196673
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.3 58.9
 254 11.8 8.7 13.1

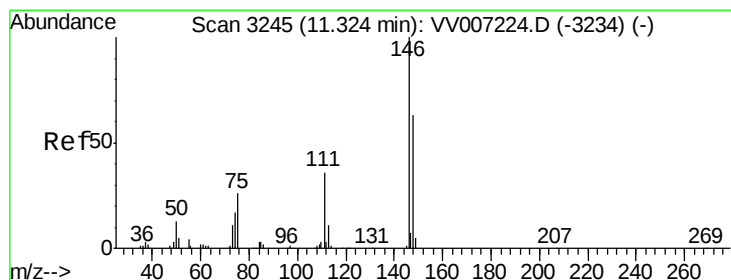
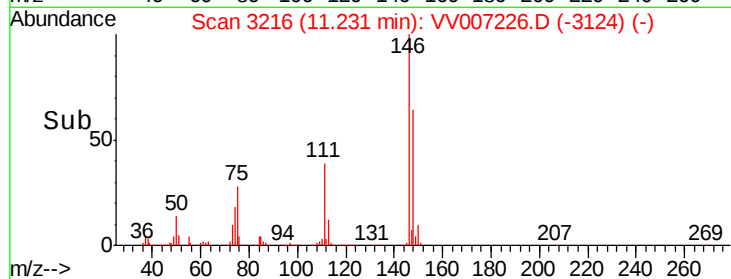
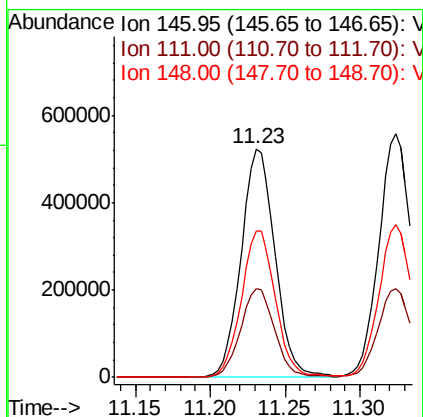
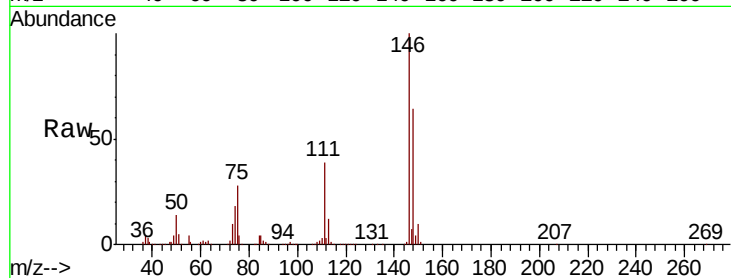




#62
 1,3-Dichlorobenzene
 Concen: 19.235 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

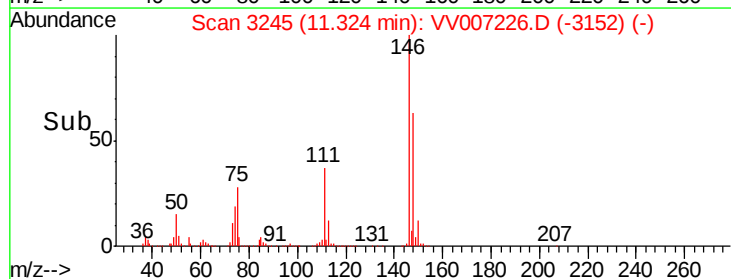
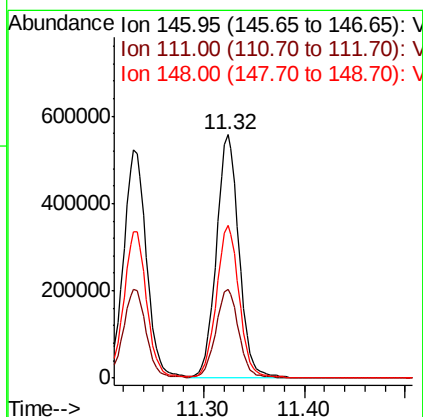
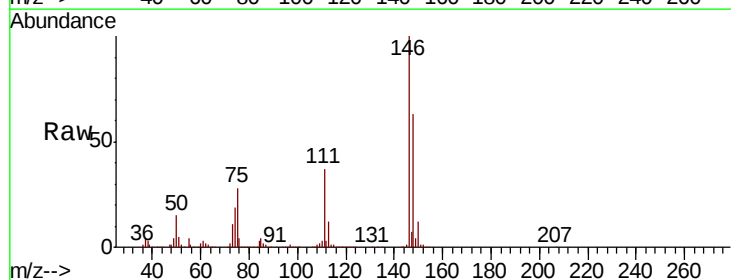
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02080

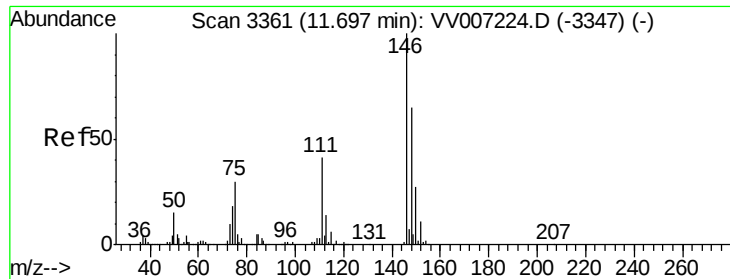
Tgt Ion:146 Resp: 826868
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.2 50.4
 148 64.3 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 19.260 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

Tgt Ion:146 Resp: 873681
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.4 47.2
 148 62.6 44.3 82.3

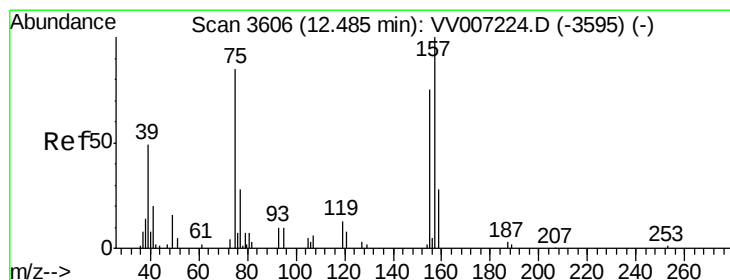
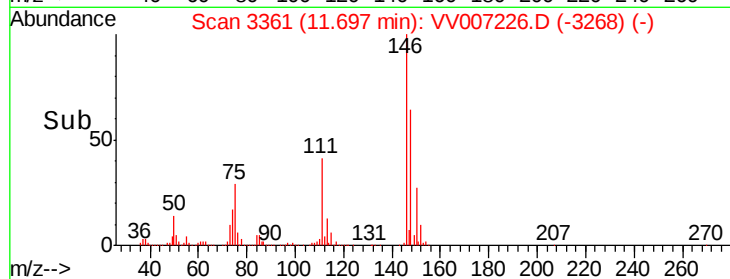
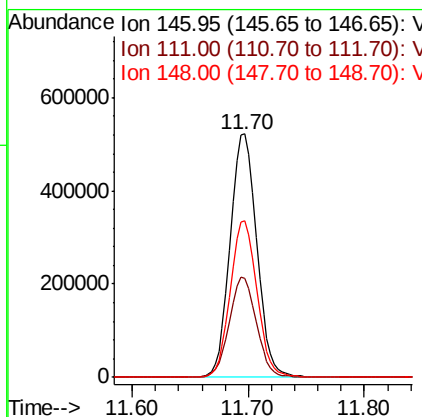
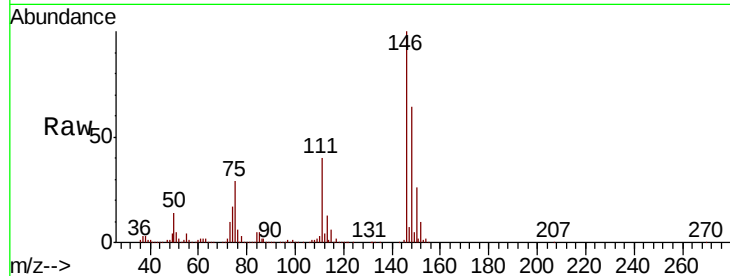




#65
 1,2-Dichlorobenzene
 Concen: 19.235 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

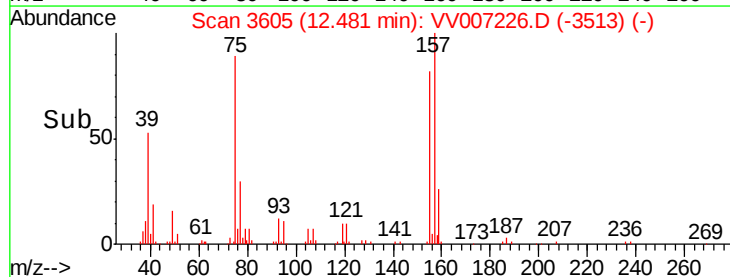
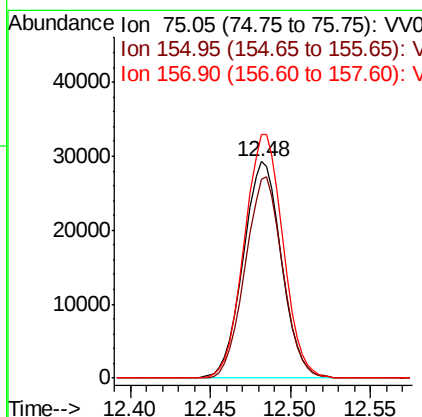
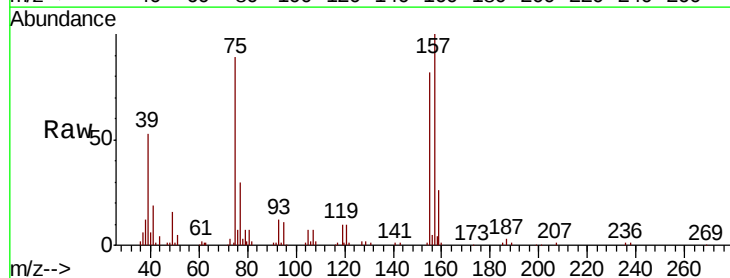
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02080

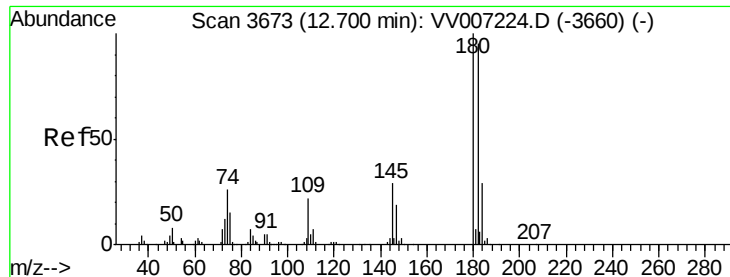
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	33.0	49.6
148	64.2	51.6	77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.375 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	70.4	105.6
157	112.4	94.2	141.2

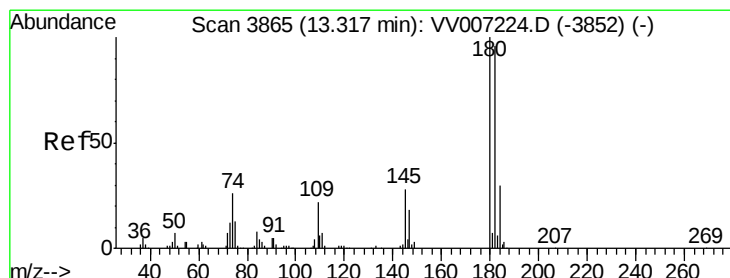
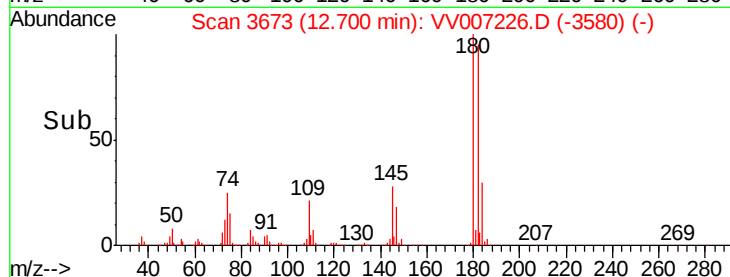
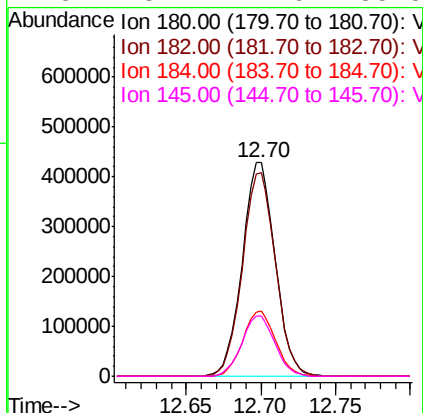
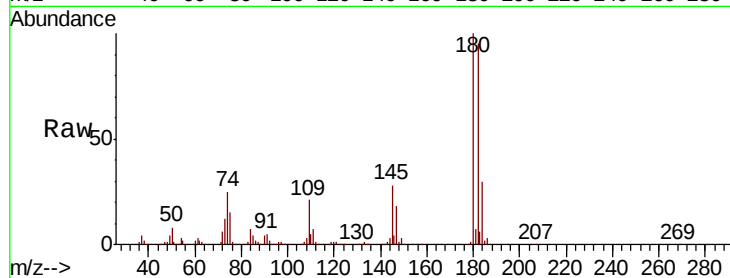




#67
 1,3,5-Trichlorobenzene
 Concen: 20.406 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

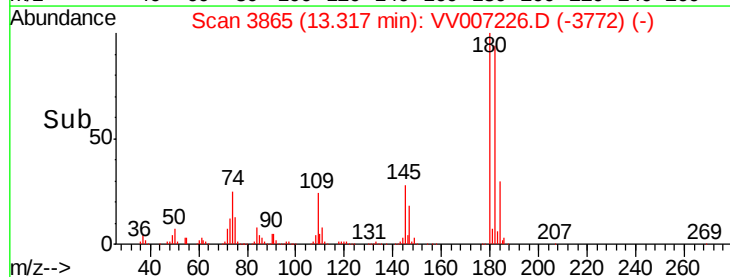
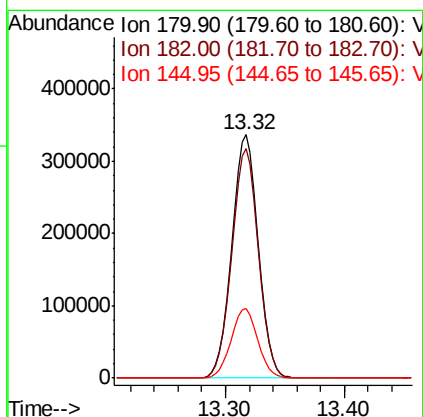
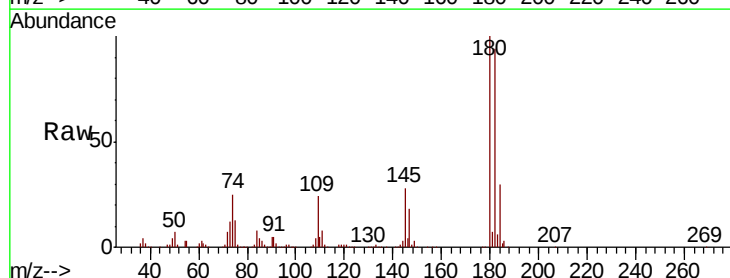
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02080

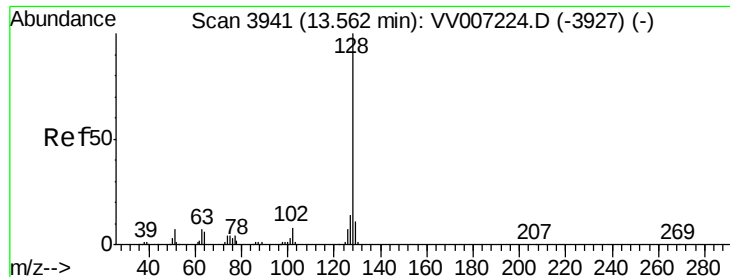
Tgt Ion:	180	Resp:	654640
Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.6
184	30.4	23.4	35.2
145	28.4	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 24.022 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007226.D
 Acq: 28 Aug 2018 13:41

Tgt Ion:	180	Resp:	517140
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.8	115.2
145	28.8	22.6	34.0





#69

Naphthalene

Concen: 26.154 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02080

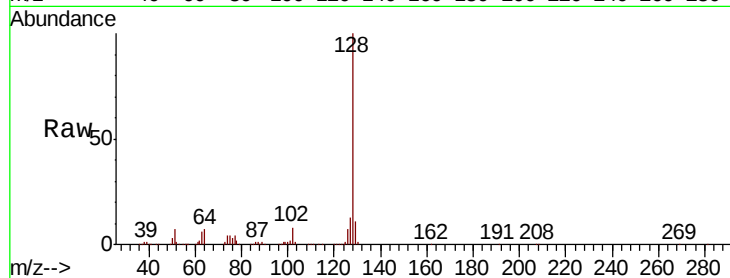
Tgt Ion:128 Resp: 733922

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

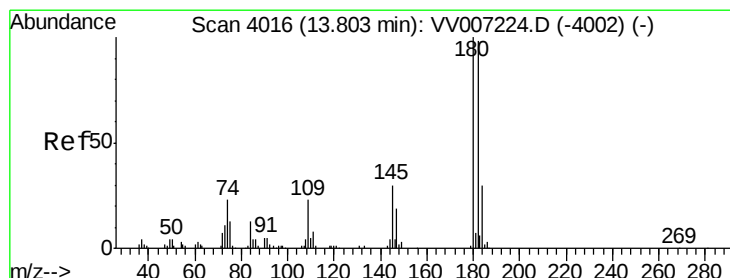
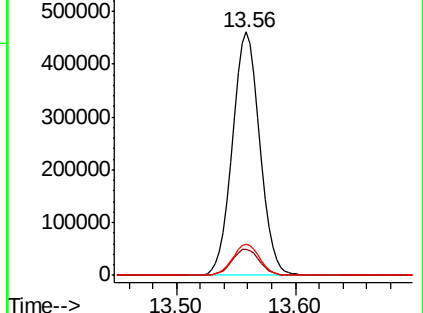
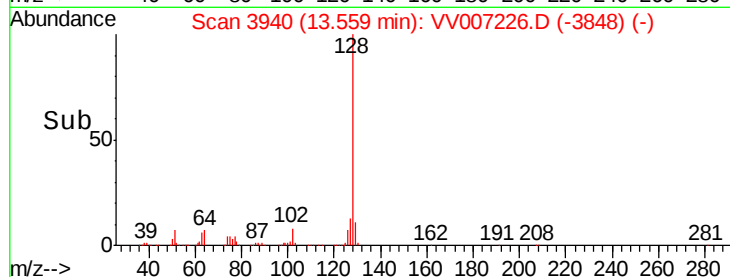
127 12.9 10.6 15.8



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: 23.550 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007226.D

Acq: 28 Aug 2018 13:41

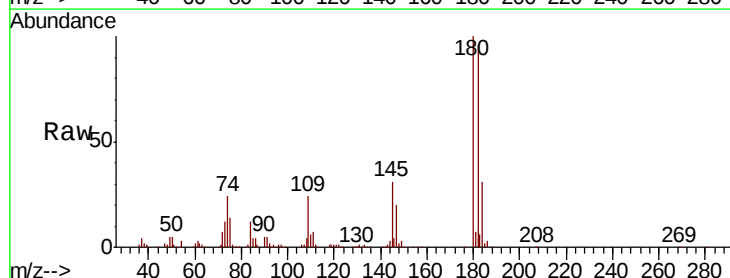
Tgt Ion:180 Resp: 492392

Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.4

145 30.6 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

