

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082118\
 Data File : VV007101.D
 Acq On : 21 Aug 2018 15:15
 Operator : SY/MD
 Sample : VSTD00170
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00170

Quant Time: Aug 22 02:23:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 22 02:22:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	270964	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	267327	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	111579	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19771	1.10	ug/L	0.00
7) Chloroethane-d5	1.58	69	16296	1.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	36748	1.10	ug/L	0.00
20) 2-Butanone-d5	3.98	46	32336	6.48	ug/L	0.00
24) Chloroform-d	4.41	84	40187	1.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	18881	1.03	ug/L	0.00
32) Benzene-d6	5.11	84	71621	1.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	23718	0.99	ug/L	0.00
41) Toluene-d8	7.36	98	58780	0.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	7923	0.95	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	16822	5.20	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	17829	0.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	20641	1.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	23885	0.928 ug/L	96
3) Chloromethane	1.25	50	26068	1.022 ug/L	96
5) Vinyl chloride	1.32	62	24373	0.946 ug/L	99
6) Bromomethane	1.54	94	7876	1.278 ug/L	94
8) Chloroethane	1.60	64	15408	0.982 ug/L	99
9) Trichlorofluoromethane	1.77	101	33222	1.003 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	20545	1.024 ug/L	99
12) 1,1-Dichloroethene	2.14	96	19433	1.008 ug/L	96
13) Acetone	2.21	43	21620	8.388 ug/L	94
14) Carbon disulfide	2.32	76	56093	0.900 ug/L	96
15) Methyl Acetate	2.48	43	6281	0.872 ug/L	96
16) Methylene chloride	2.54	84	22490	0.966 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	46050	0.992 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	21342	1.031 ug/L	89
19) 1,1-Dichloroethane	3.23	63	41068	1.072 ug/L	100
21) 2-Butanone	4.07	43	40967	7.171 ug/L	88
22) cis-1,2-Dichloroethene	3.97	96	22068	0.938 ug/L	98
23) Bromochloromethane	4.31	128	10856	1.114 ug/L	93
25) Chloroform	4.43	83	41863	1.016 ug/L	95
27) 1,2-Dichloroethane	5.19	62	21873	0.860 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	35067	0.990 ug/L	97
30) Cyclohexane	4.73	56	29018	0.805 ug/L	98
31) Carbon tetrachloride	4.88	117	28980	0.976 ug/L	94
33) Benzene	5.15	78	83518	0.910 ug/L	100
34) Trichloroethene	5.96	95	20948	0.951 ug/L	97
35) Methylcyclohexane	6.18	83	26358	0.753 ug/L	90
37) 1,2-Dichloropropane	6.23	63	23529	0.936 ug/L	100
38) Bromodichloromethane	6.56	83	26937	0.939 ug/L	89
39) cis-1,3-Dichloropropene	7.08	75	25907	0.852 ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	99629	7.437 ug/L	99

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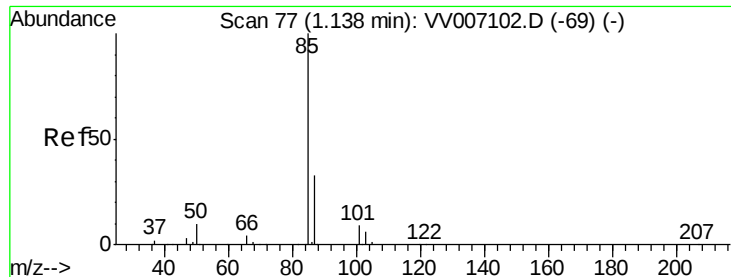
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00170

Quant Time: Aug 22 02:23:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 22 02:22:58 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	74728	0.846	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	21208	0.850	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	16762	1.015	ug/L	92
47) Tetrachloroethene	8.02	164	16849	0.932	ug/L	91
48) 2-Hexanone	8.21	43	76038	7.943	ug/L	93
49) Dibromochloromethane	8.30	129	17075	0.981	ug/L	100
50) 1,2-Dibromoethane	8.40	107	12869	0.924	ug/L #	100
51) Chlorobenzene	8.93	112	52963	0.934	ug/L	97
52) Ethylbenzene	9.06	91	71669	0.814	ug/L	99
53) m,p-xylene	9.19	106	25860	0.783	ug/L	92
54) o-xylene	9.59	106	25873	0.827	ug/L	92
55) Styrene	9.61	104	39345	0.745	ug/L	94
56) Isopropylbenzene	9.98	105	62222	0.761	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	18278	0.917	ug/L #	97
59) 1,2,3-Trichloropropane	10.33	75	13510	0.958	ug/L	97
61) Bromoform	9.78	173	9372	1.097	ug/L	93
62) 1,3-Dichlorobenzene	11.23	146	35574	0.985	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	36001	0.972	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	34004	0.950	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	2244	0.910	ug/L #	89
67) 1,3,5-Trichlorobenzene	12.70	180	25184	0.927	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	14333	0.726	ug/L	97
69) Naphthalene	13.56	128	15961	0.568	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	13418	0.700	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 0.928 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

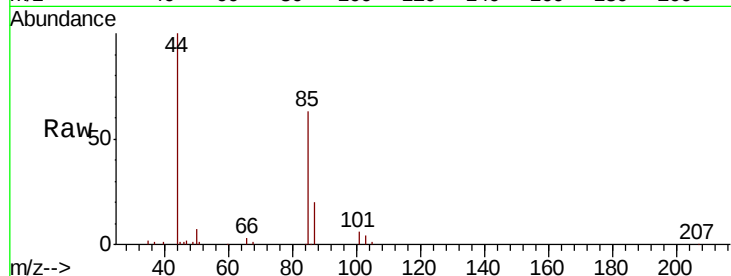
VSTD00170

Tgt Ion: 85 Resp: 23885

Ion Ratio Lower Upper

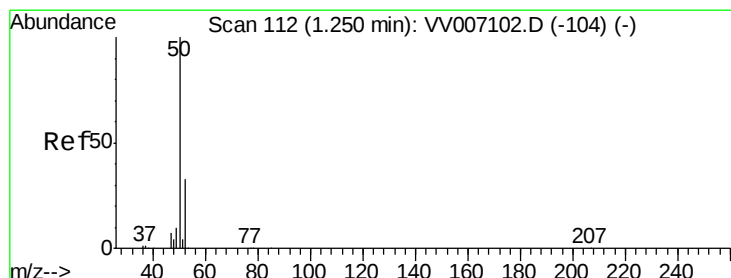
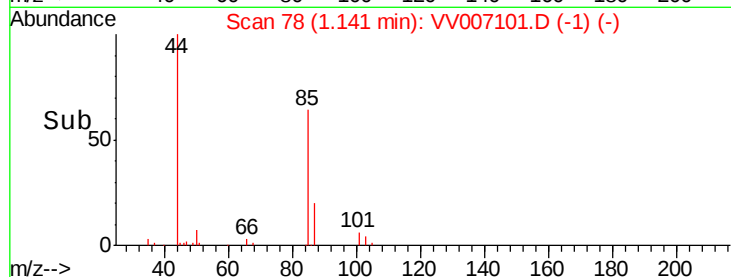
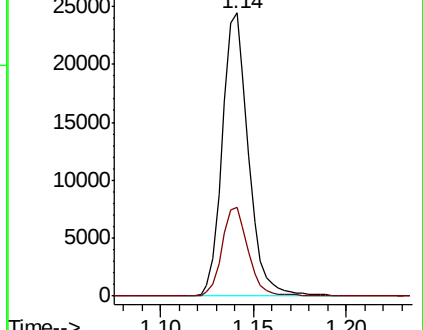
85 100

87 31.5 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VV007102.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007102.D (-69) (-)



#3

Chloromethane

Concen: 1.022 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007101.D

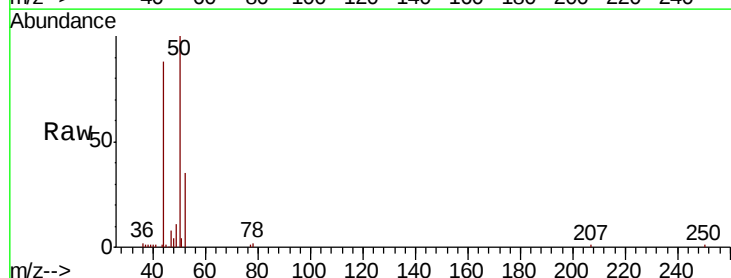
Acq: 21 Aug 2018 15:15

Tgt Ion: 50 Resp: 26068

Ion Ratio Lower Upper

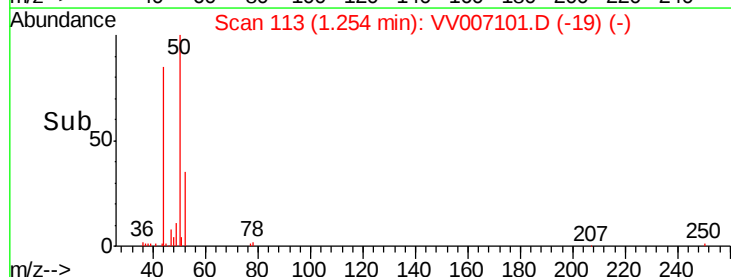
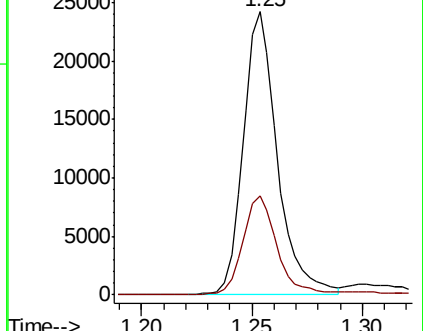
50 100

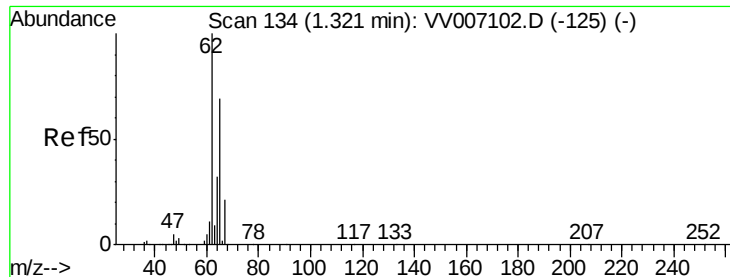
52 35.1 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV007102.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV007102.D (-104) (-)





#5

Vinyl chloride

Concen: 0.946 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

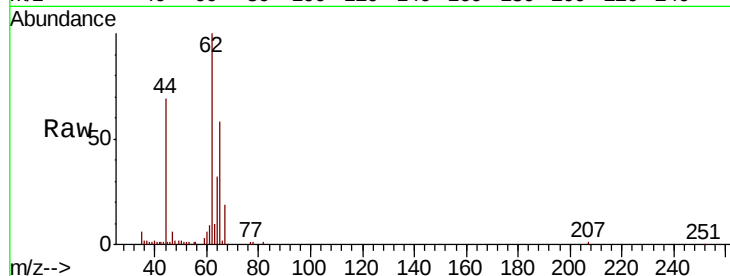
VSTD00170

Tgt Ion: 62 Resp: 24373

Ion Ratio Lower Upper

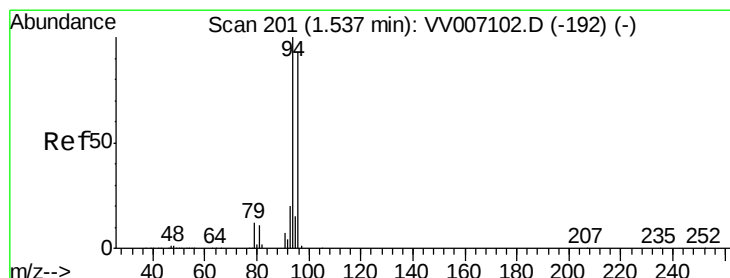
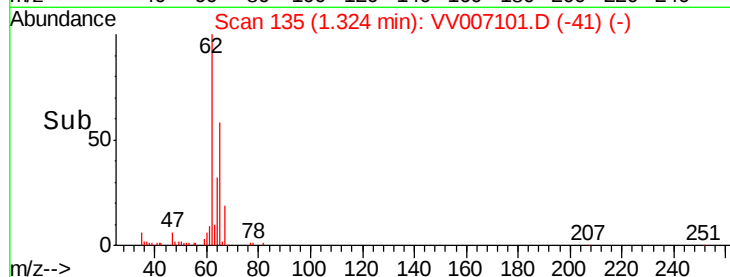
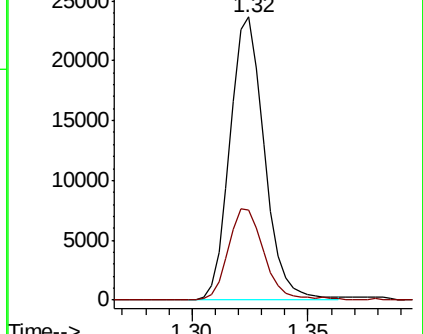
62 100

64 31.8 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV007102.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV007101.D (-41) (-)



#6

Bromomethane

Concen: 1.278 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV007101.D

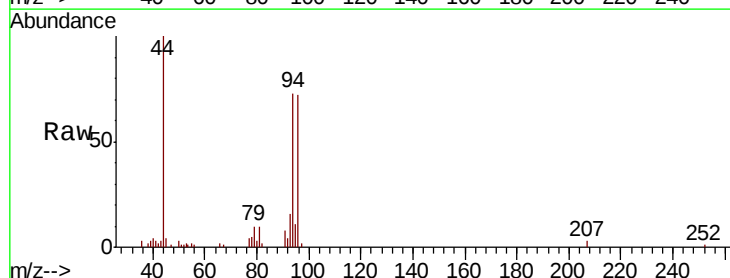
Acq: 21 Aug 2018 15:15

Tgt Ion: 94 Resp: 7876

Ion Ratio Lower Upper

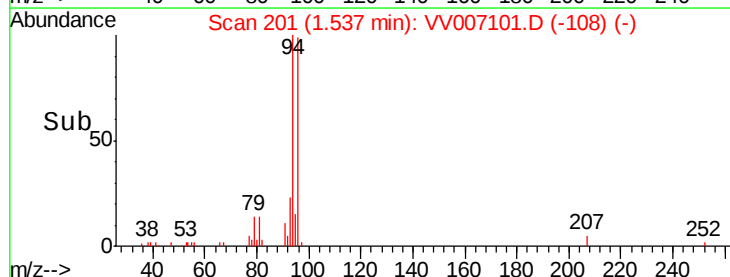
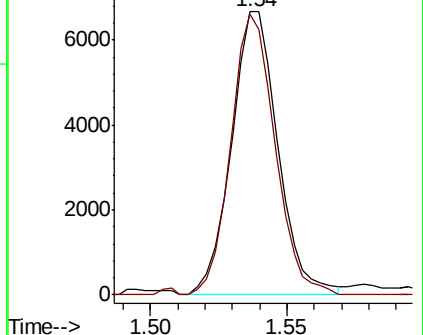
94 100

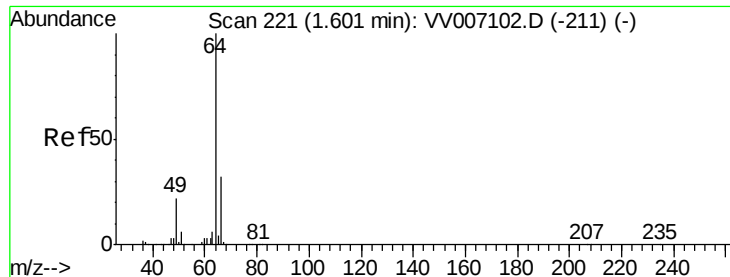
96 99.4 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VV007102.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV007101.D (-108) (-)





#8

Chloroethane

Concen: 0.982 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

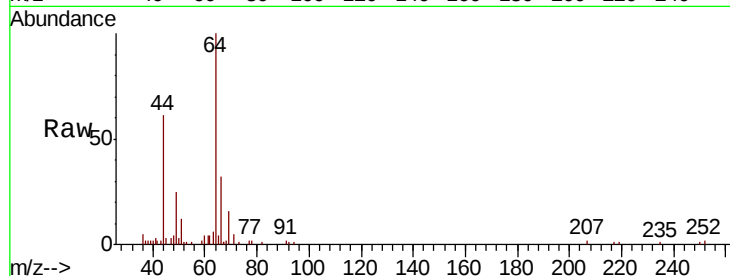
VSTD00170

Tgt Ion: 64 Resp: 15408

Ion Ratio Lower Upper

64 100

66 32.1 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VV007101.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV007101.D (-128) (-)

1.60

15000

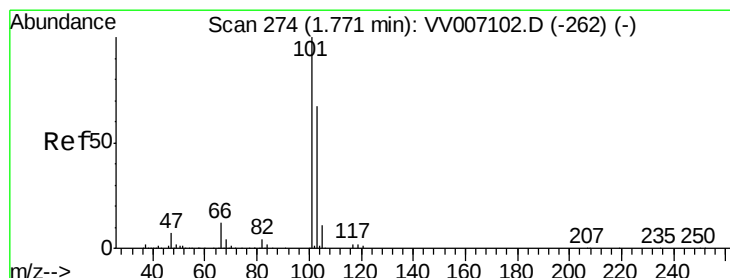
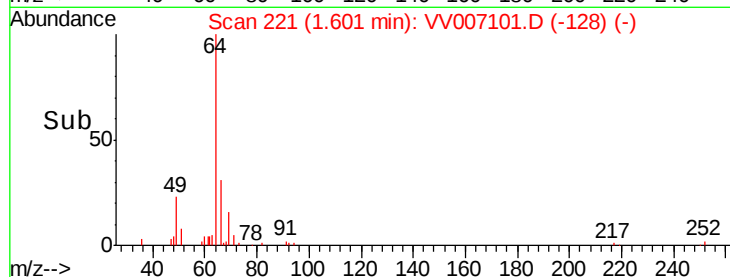
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 1.003 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV007101.D

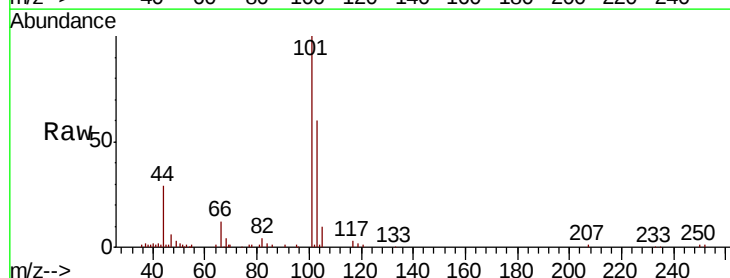
Acq: 21 Aug 2018 15:15

Tgt Ion: 101 Resp: 33222

Ion Ratio Lower Upper

101 100

103 64.7 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV007101.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV007101.D (-181) (-)

1.77

30000

25000

20000

15000

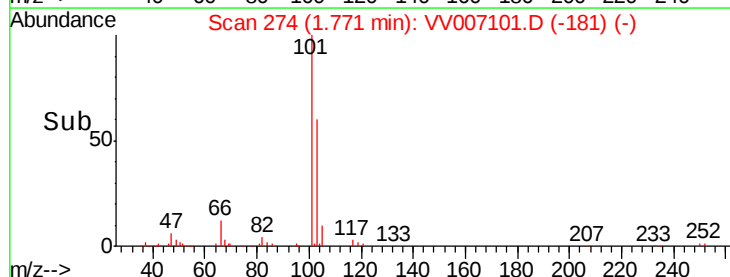
10000

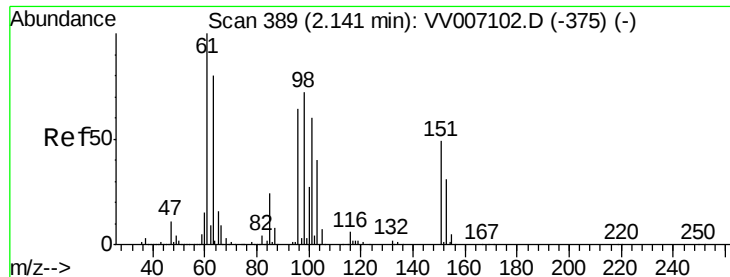
5000

0

Time-->

1.75 1.80





#10

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

Concen: 1.024 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

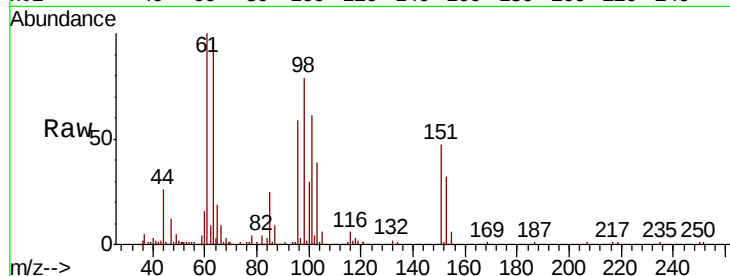
Tgt Ion:101 Resp: 20545

Ion Ratio Lower Upper

101 100

85 40.7 31.9 47.9

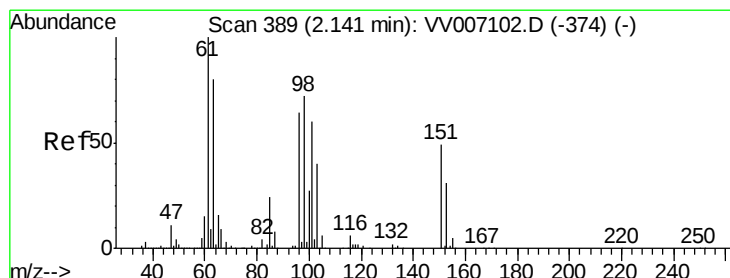
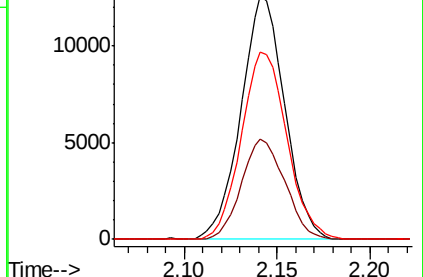
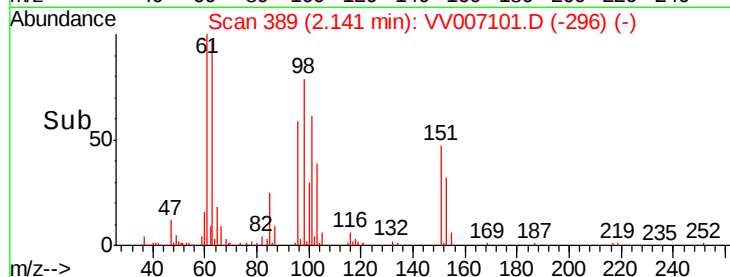
151 80.4 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV007101.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV007101.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV007101.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 1.008 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

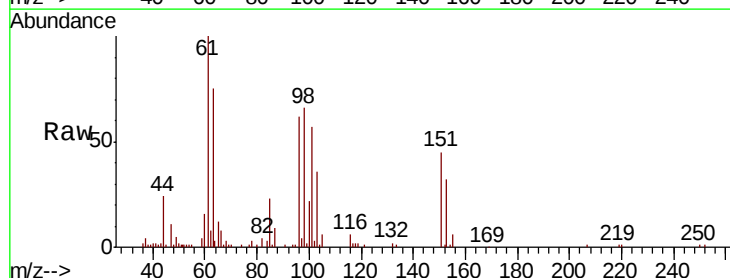
Tgt Ion: 96 Resp: 19433

Ion Ratio Lower Upper

96 100

61 161.0 108.7 201.9

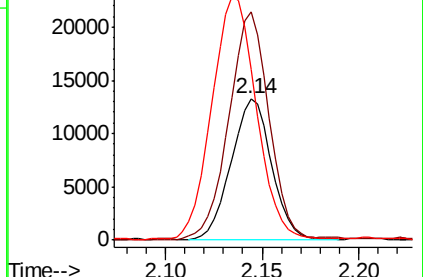
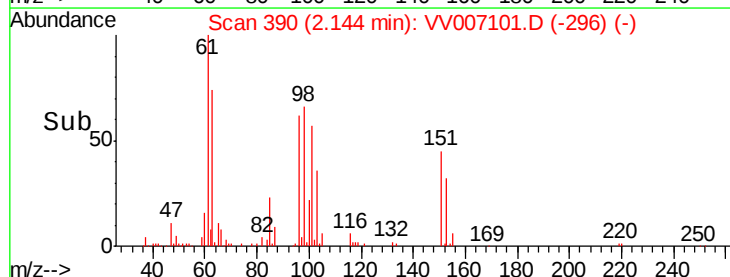
63 120.4 87.4 162.4

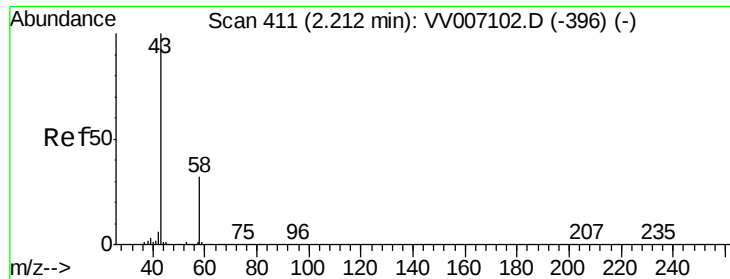


Abundance Ion 96.00 (95.70 to 96.70): VV007101.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VV007101.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VV007101.D (-296) (-)





#13

Acetone

Concen: 8.388 ug/L

RT: 2.21 min Scan# 412

Delta R.T. 0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

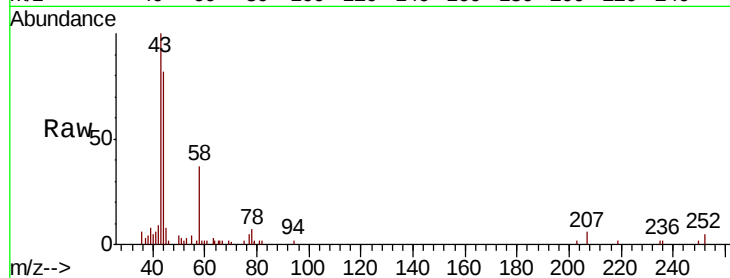
VSTD00170

Tgt Ion: 43 Resp: 21620

Ion Ratio Lower Upper

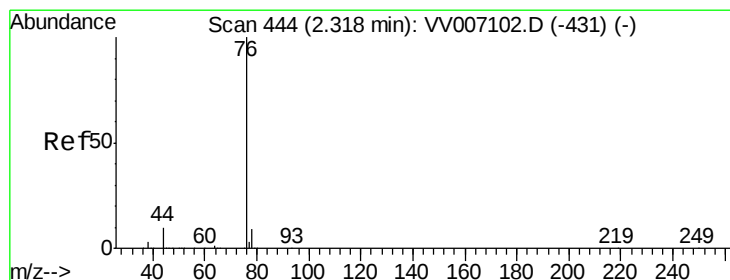
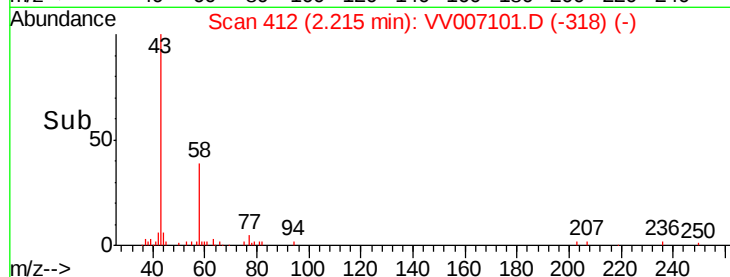
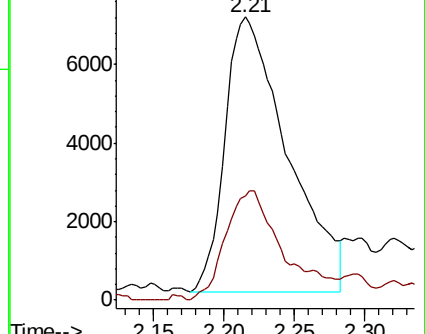
43 100

58 37.2 0.0 82.2



Abundance Ion 43.05 (42.75 to 43.75): VV007102.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007102.D (-396) (-)



#14

Carbon disulfide

Concen: 0.900 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007101.D

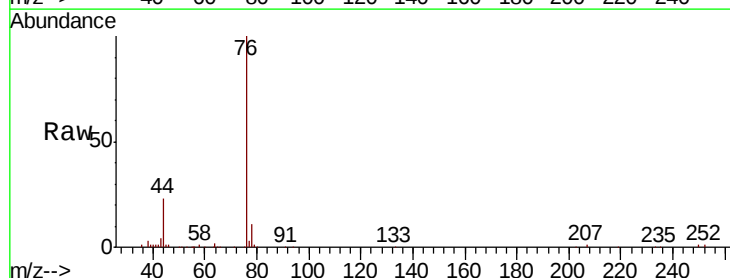
Acq: 21 Aug 2018 15:15

Tgt Ion: 76 Resp: 56093

Ion Ratio Lower Upper

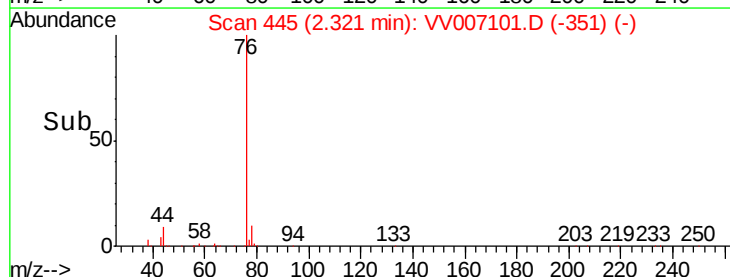
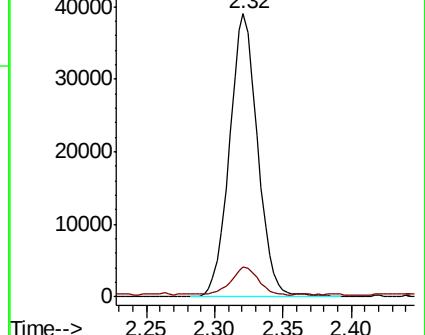
76 100

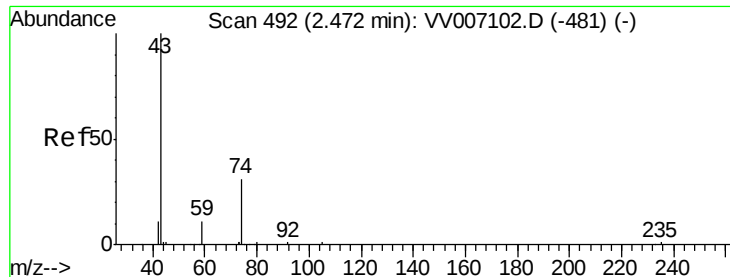
78 10.6 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007102.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007102.D (-431) (-)





#15

Methyl Acetate

Concen: 0.872 ug/L

RT: 2.48 min Scan# 493

Delta R.T. 0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

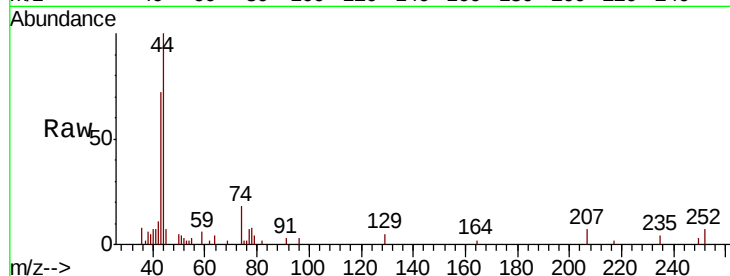
VSTD00170

Tgt Ion: 43 Resp: 6281

Ion Ratio Lower Upper

43 100

74 33.4 25.0 37.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.48

4000

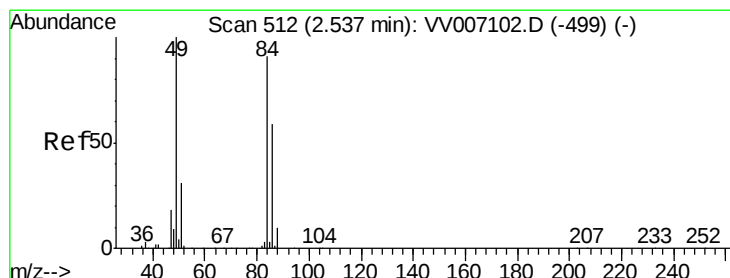
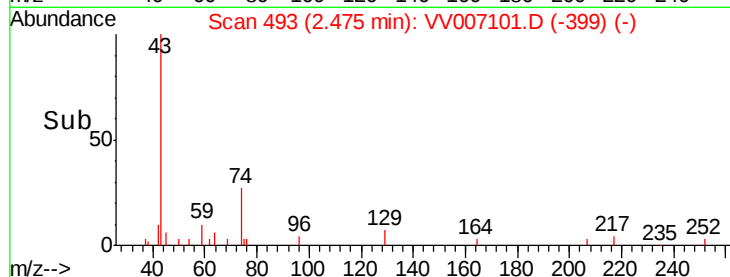
3000

2000

1000

0

Time--> 2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 0.966 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

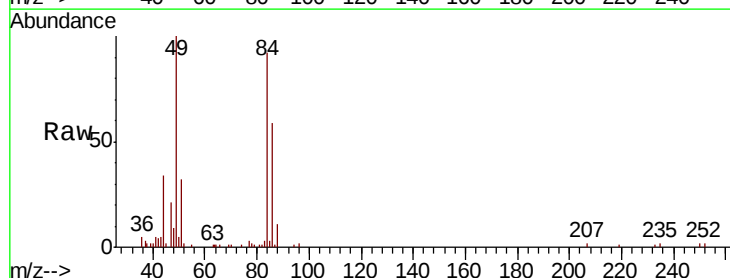
Tgt Ion: 84 Resp: 22490

Ion Ratio Lower Upper

84 100

86 64.1 44.9 83.5

49 108.2 76.6 142.3



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

20000

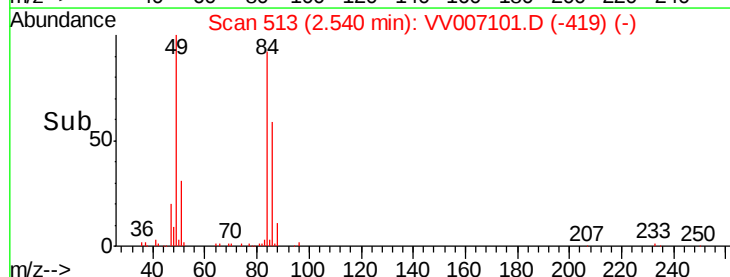
15000

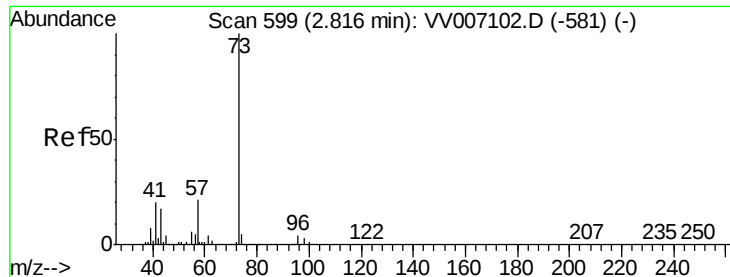
10000

5000

0

Time--> 2.45 2.50 2.55 2.60

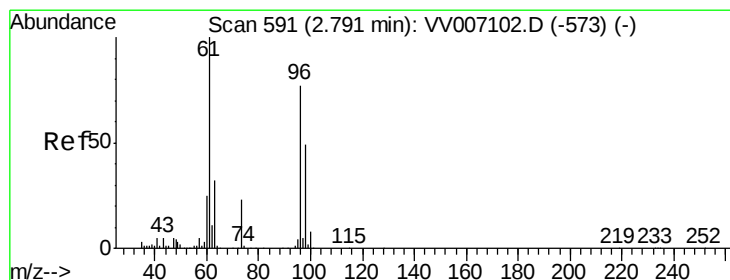
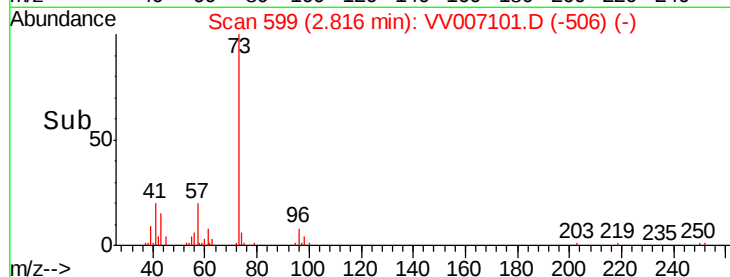
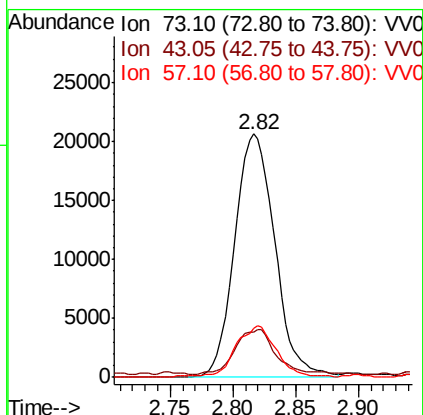
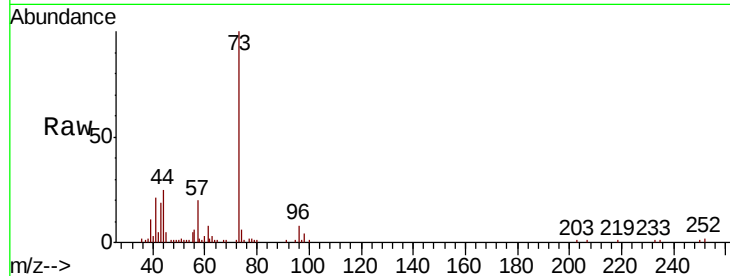




#17
Methyl tert-butyl Ether
Concen: 0.992 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV007101.D
Acq: 21 Aug 2018 15:15

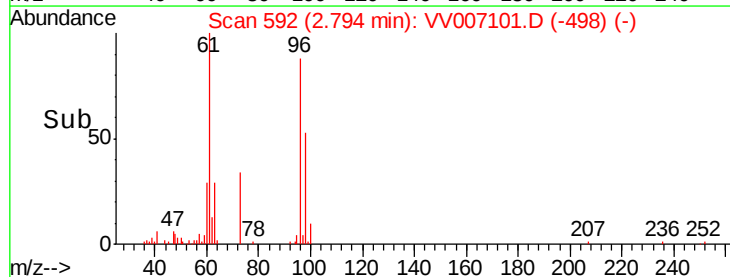
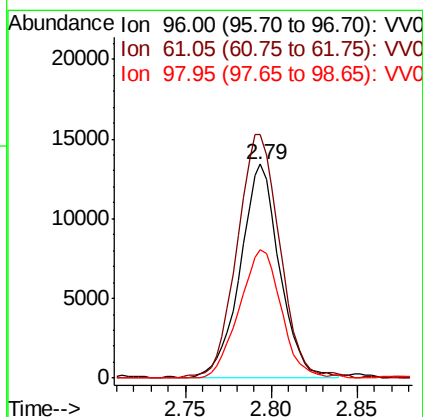
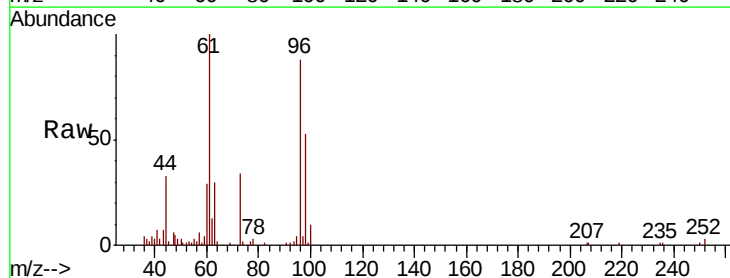
Instrument :
MSVOA_V
ClientSampleId :
VSTD00170

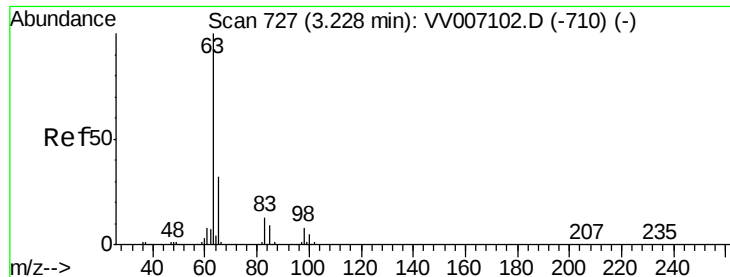
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.2	14.0	21.0
57	21.4	17.0	25.6



#18
trans-1,2-Dichloroethene
Concen: 1.031 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV007101.D
Acq: 21 Aug 2018 15:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	114.0	91.4	169.8
98	60.0	44.7	83.1

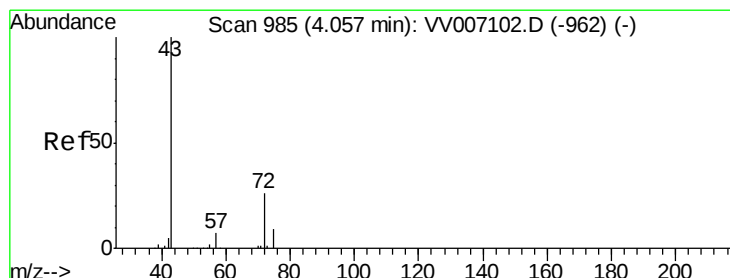
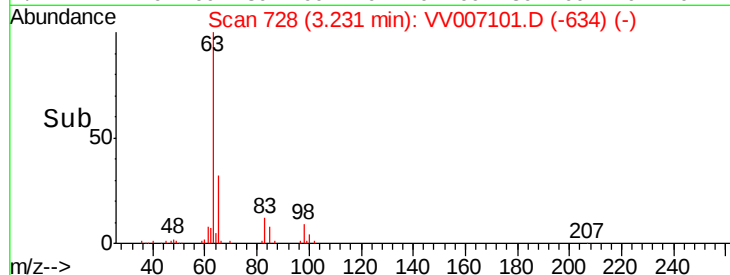
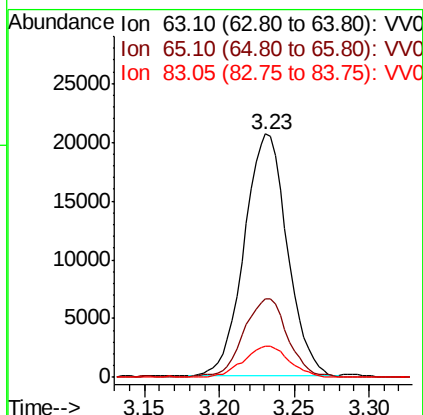
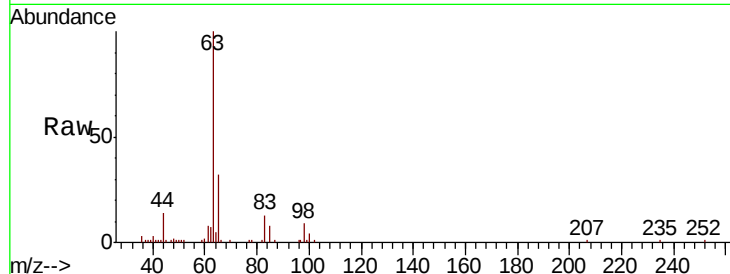




#19
 1,1-Dichloroethane
 Concen: 1.072 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007101.D
 Acq: 21 Aug 2018 15:15

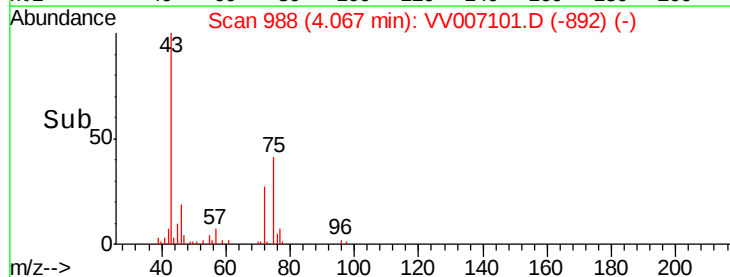
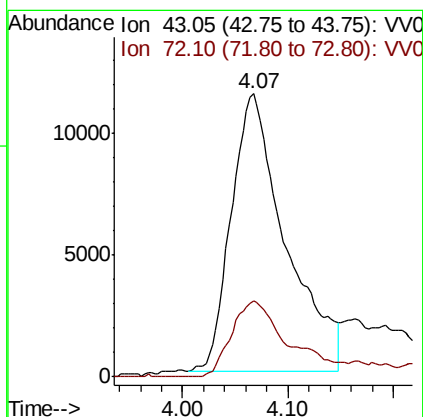
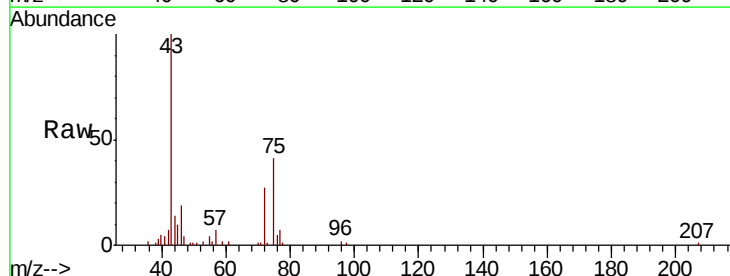
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00170

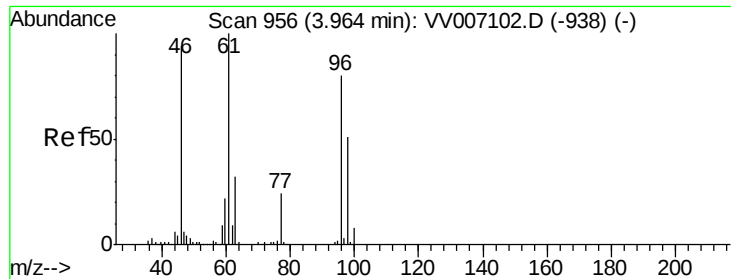
Tgt Ion: 63 Resp: 41068
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.5 41.9
 83 12.7 8.8 16.3



#21
 2-Butanone
 Concen: 7.171 ug/L
 RT: 4.07 min Scan# 988
 Delta R.T. 0.01 min
 Lab File: VV007101.D
 Acq: 21 Aug 2018 15:15

Tgt Ion: 43 Resp: 40967
 Ion Ratio Lower Upper
 43 100
 72 28.6 11.5 34.5



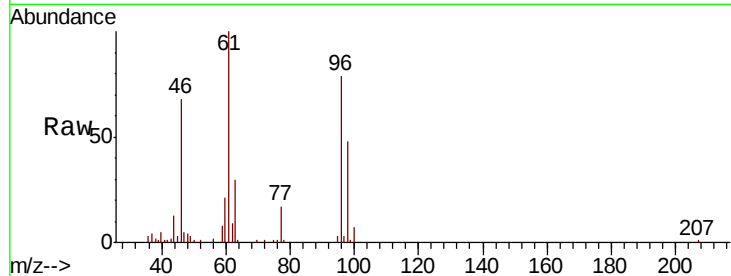


#22

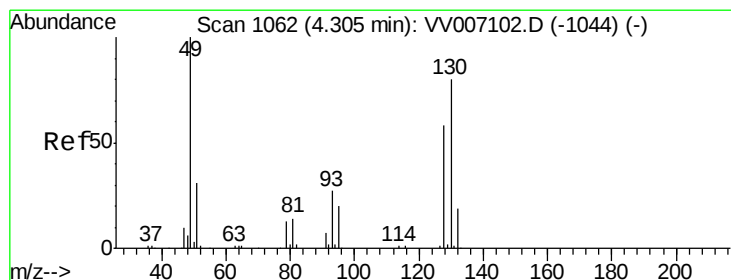
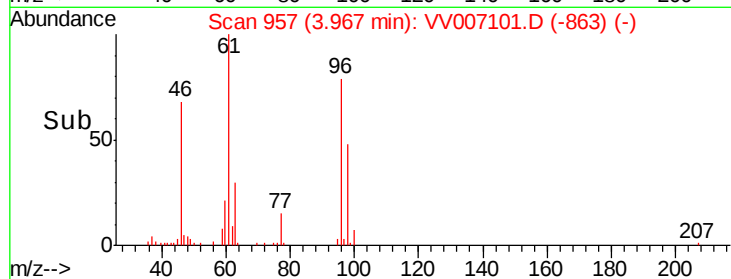
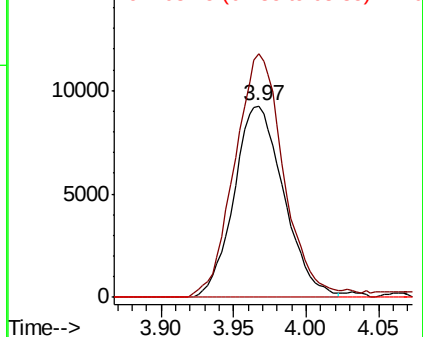
cis-1,2-Dichloroethene
 Concen: 0.938 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007101.D
 Acq: 21 Aug 2018 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00170

Tgt Ion: 96 Resp: 22068
 Ion Ratio Lower Upper
 96 100
 61 127.3 87.7 162.9
 68 0.0 0.0 0.0



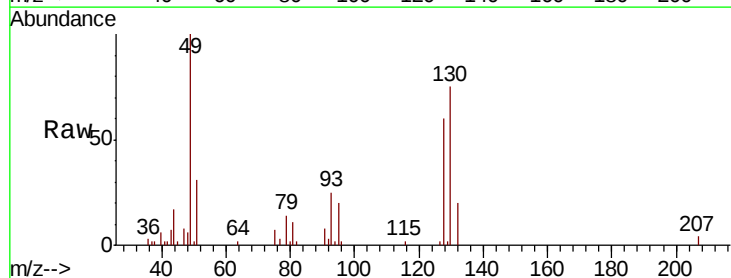
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



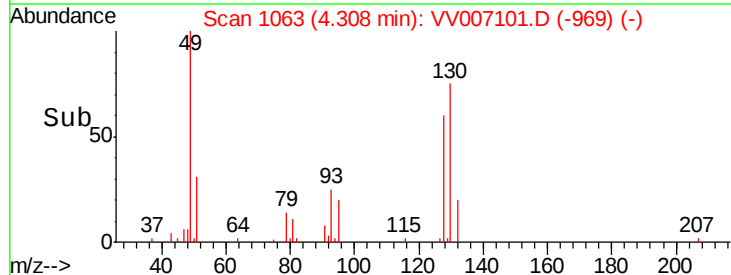
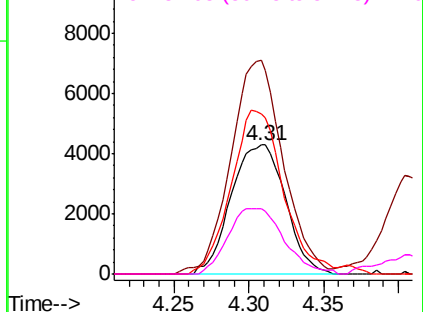
#23

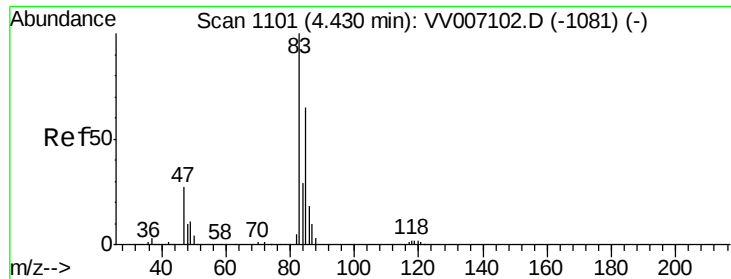
Bromochloromethane
 Concen: 1.114 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV007101.D
 Acq: 21 Aug 2018 15:15

Tgt Ion: 128 Resp: 10856
 Ion Ratio Lower Upper
 128 100
 49 165.6 120.0 222.8
 130 124.1 96.0 178.4
 51 50.7 42.6 63.8



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

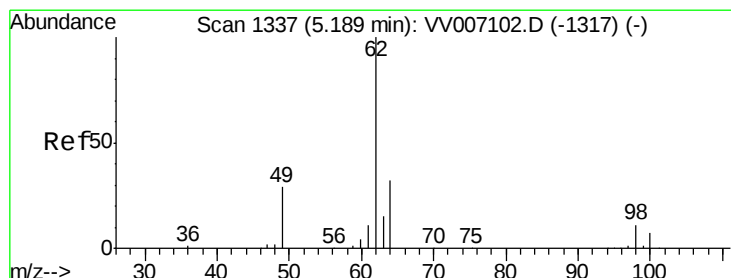
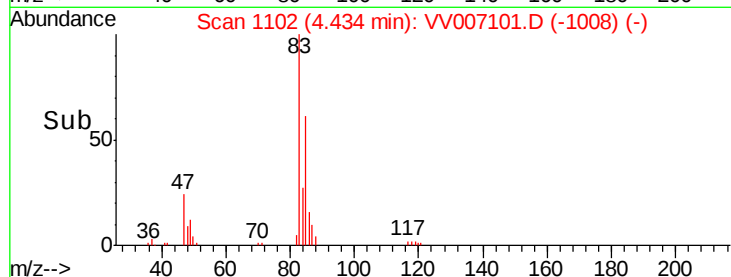
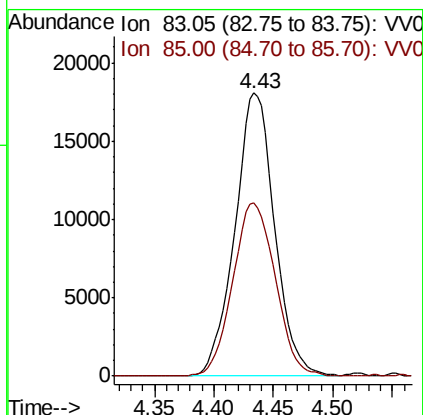
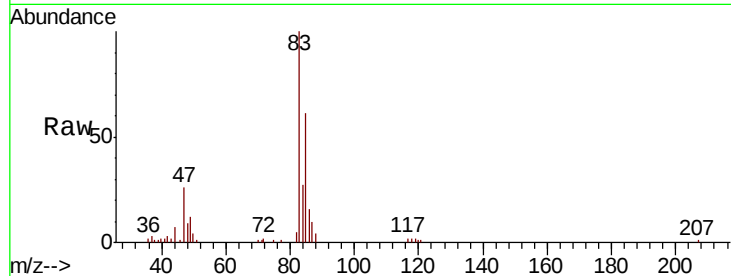




#25
Chloroform
Concen: 1.016 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007101.D
Acq: 21 Aug 2018 15:15

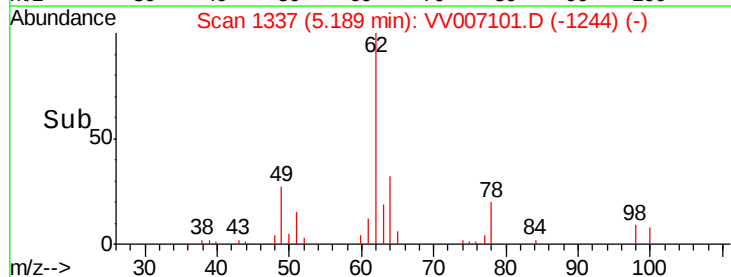
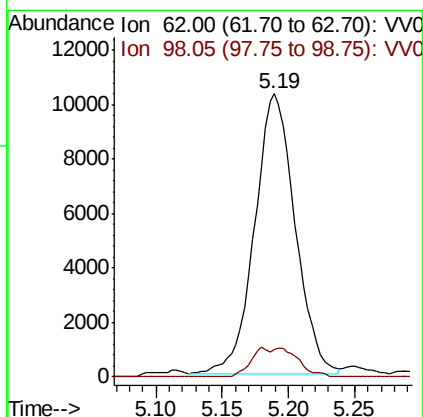
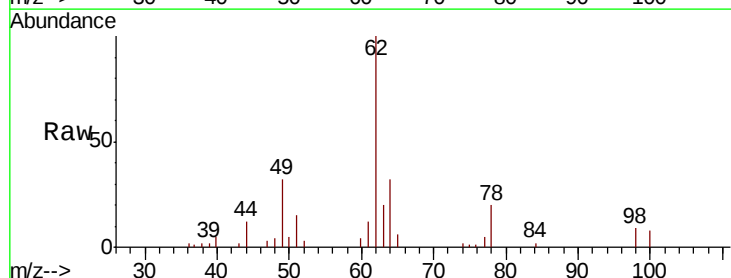
Instrument :
MSVOA_V
ClientSampleId :
VSTD00170

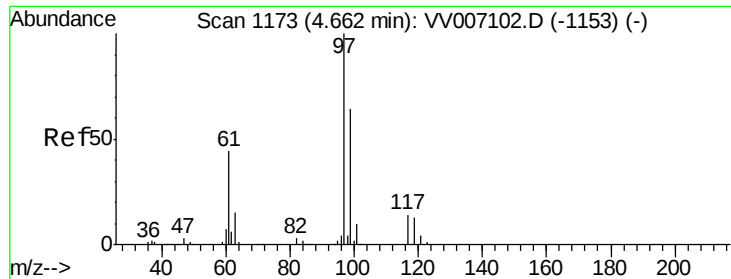
Tgt Ion: 83 Resp: 41863
Ion Ratio Lower Upper
83 100
85 61.1 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.860 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV007101.D
Acq: 21 Aug 2018 15:15

Tgt Ion: 62 Resp: 21873
Ion Ratio Lower Upper
62 100
98 9.5 8.4 12.6

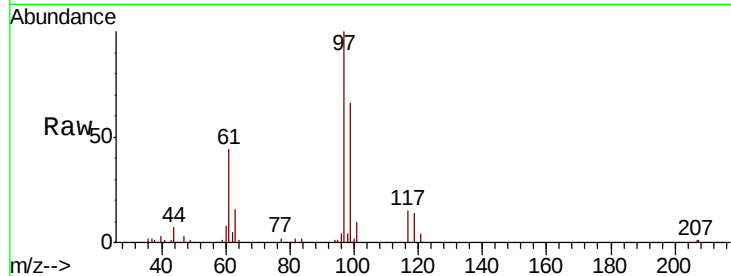




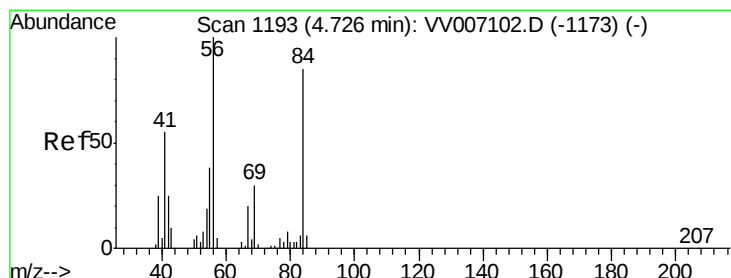
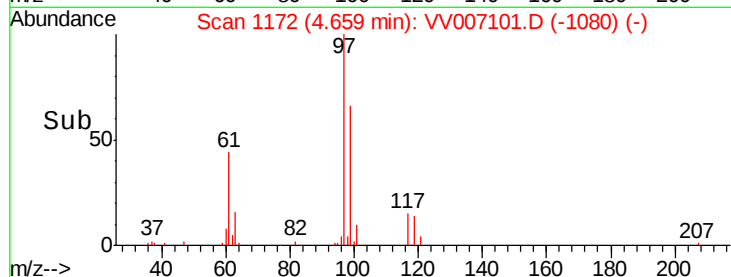
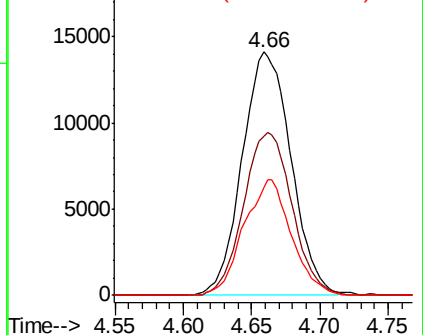
#29
 1,1,1-Trichloroethane
 Concen: 0.990 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV007101.D
 Acq: 21 Aug 2018 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00170

Tgt Ion: 97 Resp: 35067
 Ion Ratio Lower Upper
 97 100
 99 66.3 51.3 76.9
 61 46.2 35.3 52.9

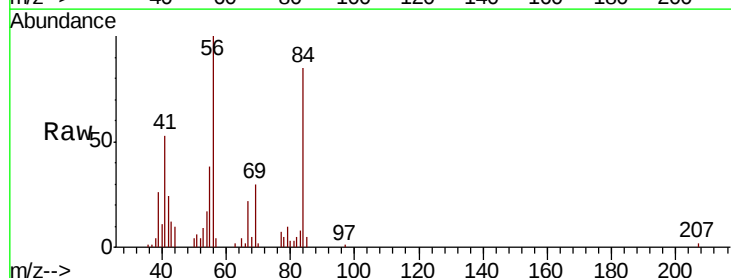


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

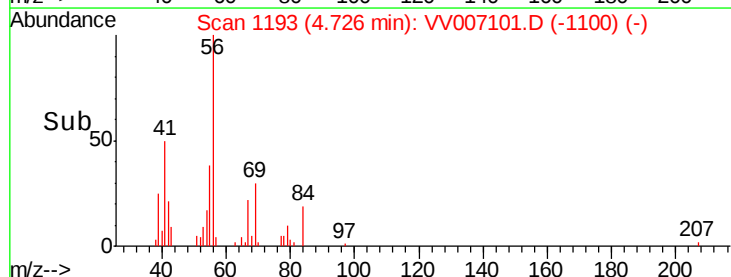
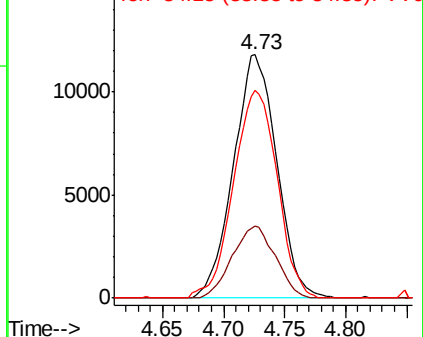


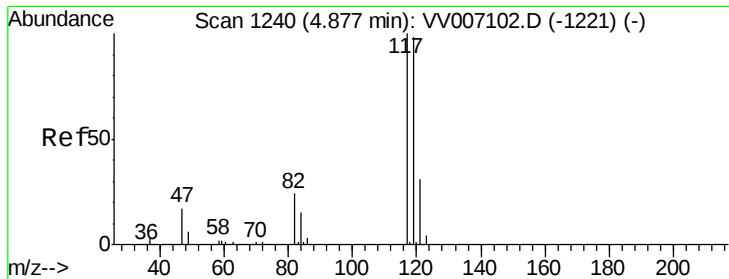
#30
 Cyclohexane
 Concen: 0.805 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV007101.D
 Acq: 21 Aug 2018 15:15

Tgt Ion: 56 Resp: 29018
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.3 36.5
 84 85.8 69.8 104.6



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: 0.976 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

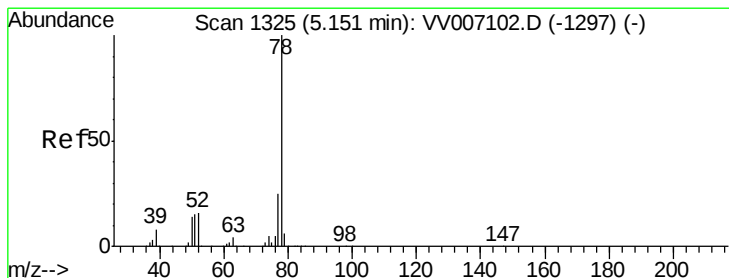
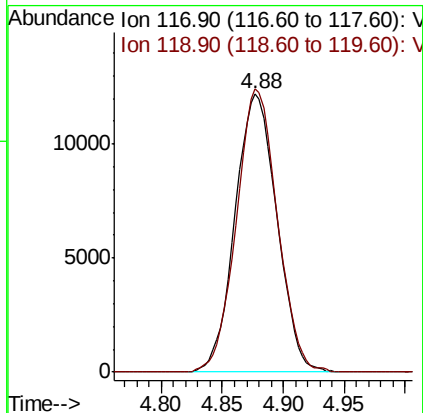
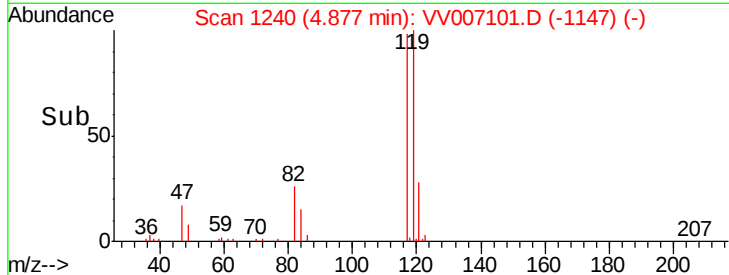
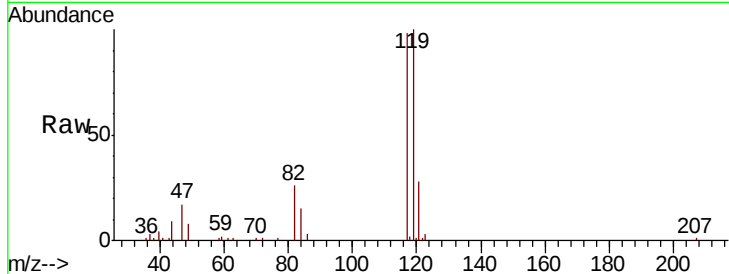
VSTD00170

Tgt Ion:117 Resp: 28980

Ion Ratio Lower Upper

117 100

119 99.7 75.0 112.4



#33

Benzene

Concen: 0.910 ug/L

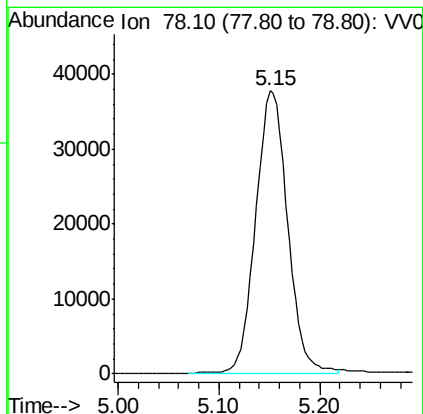
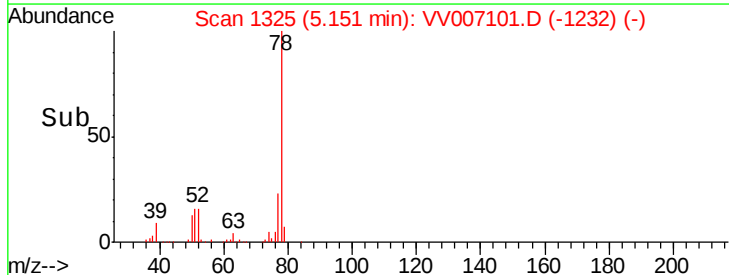
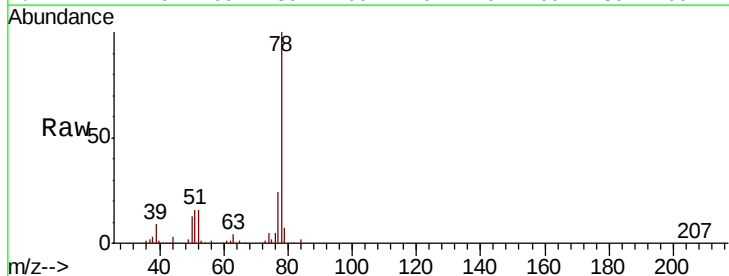
RT: 5.15 min Scan# 1325

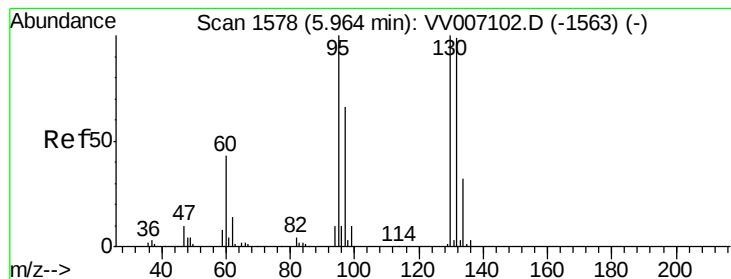
Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Tgt Ion: 78 Resp: 83518





#34

Trichloroethene

Concen: 0.951 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

Tgt Ion: 95 Resp: 20948

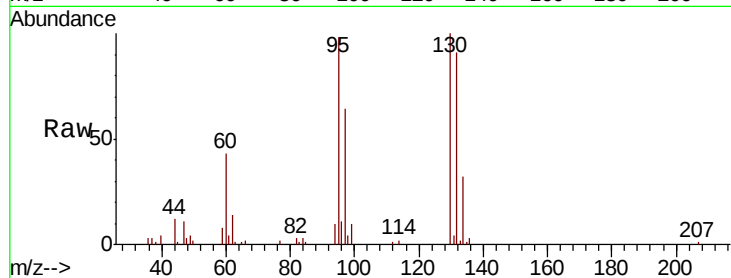
Ion Ratio Lower Upper

95 100

97 65.3 46.0 85.4

132 92.3 69.2 128.4

130 101.7 69.7 129.4

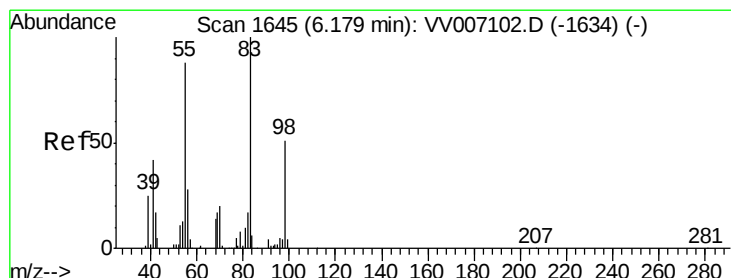
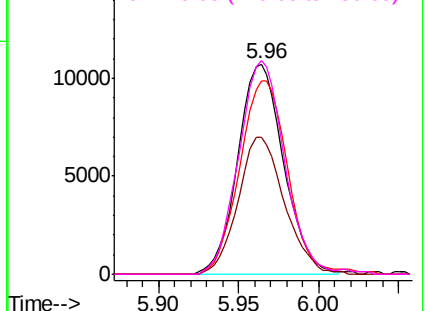
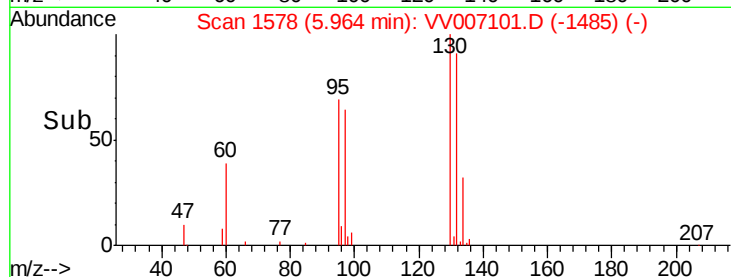


Abundance Ion 95.00 (94.70 to 95.70): VV007101.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV007101.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV007101.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV007101.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.753 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

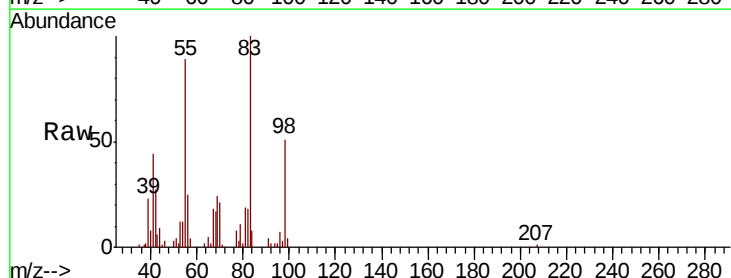
Tgt Ion: 83 Resp: 26358

Ion Ratio Lower Upper

83 100

55 92.8 65.5 98.3

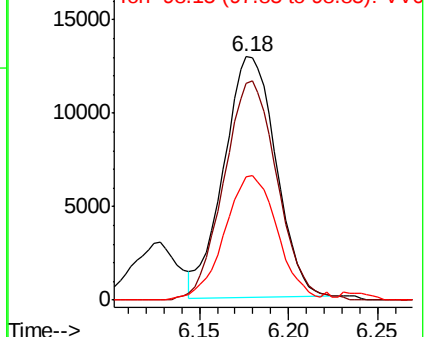
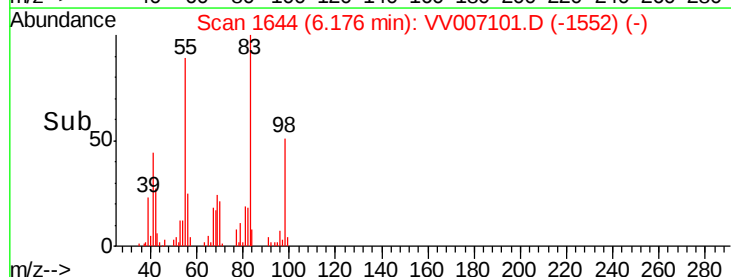
98 52.2 38.5 57.7

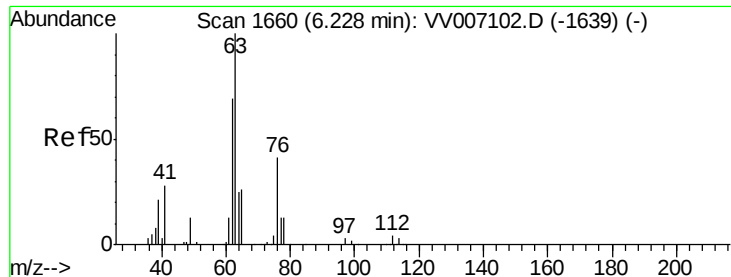


Abundance Ion 83.15 (82.85 to 83.85): VV007101.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV007101.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV007101.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 0.936 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampled :

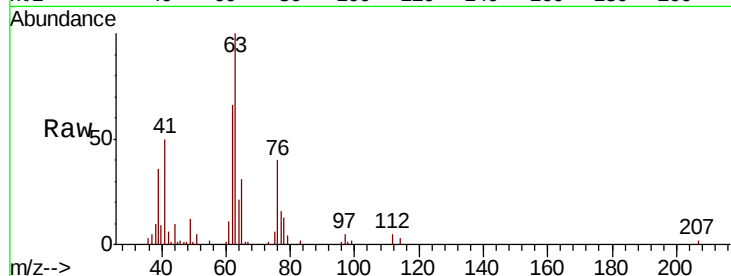
VSTD00170

Tgt Ion: 63 Resp: 23529

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.8



Abundance Ion 63.10 (62.80 to 63.80): VV007102.D (-1639) (-)

Ion 112.10 (111.80 to 112.80): VV007102.D (-1639) (-)

6.23

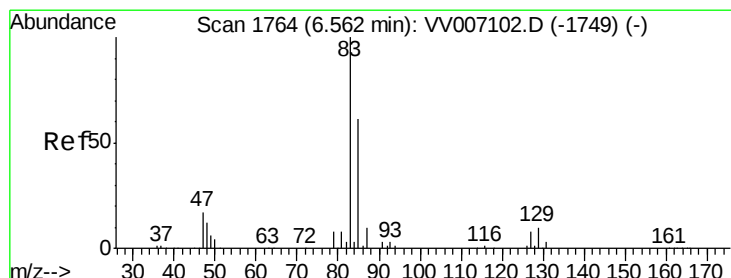
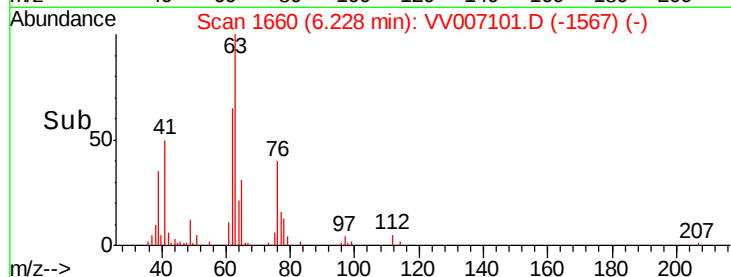
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 0.939 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

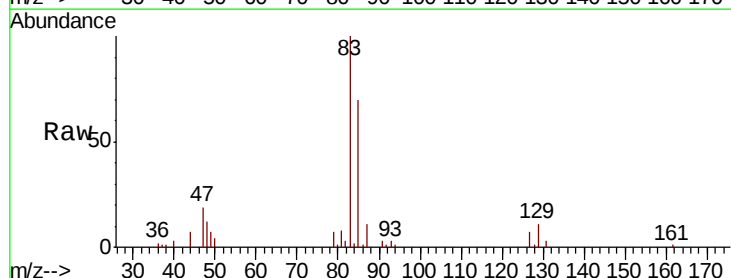
Tgt Ion: 83 Resp: 26937

Ion Ratio Lower Upper

83 100

85 70.3 42.8 79.4

127 7.1 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VV007102.D (-1749) (-)

Ion 85.00 (84.70 to 85.70): VV007102.D (-1749) (-)

Ion 126.90 (126.60 to 127.60): VV007102.D (-1749) (-)

6.56

15000

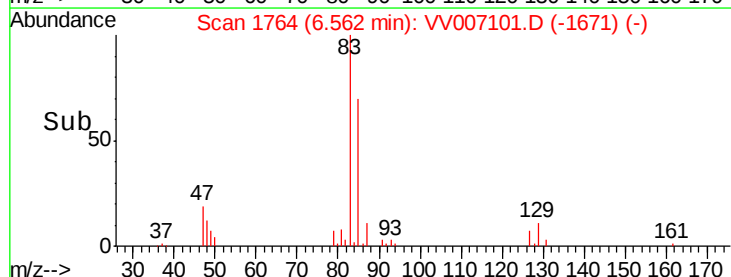
10000

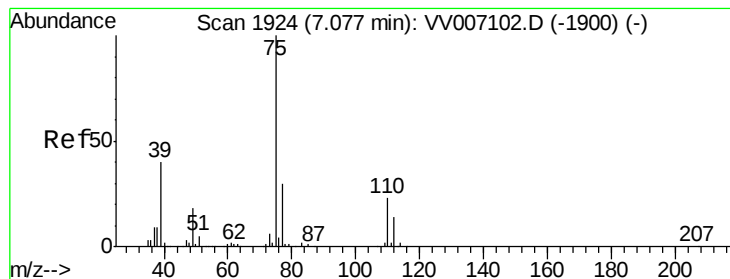
5000

0

6.50 6.55 6.60 6.65

Time-->



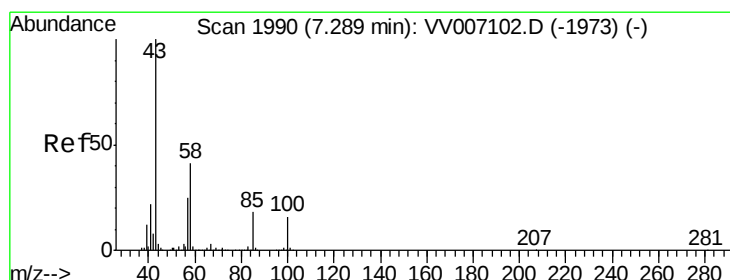
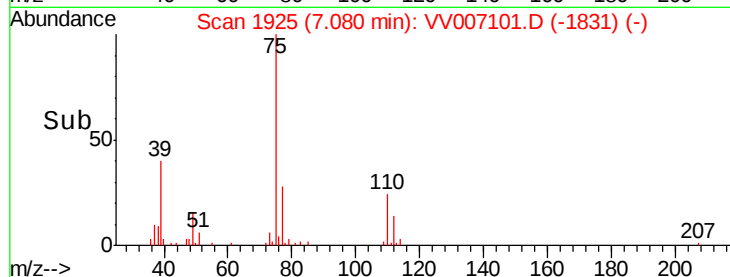
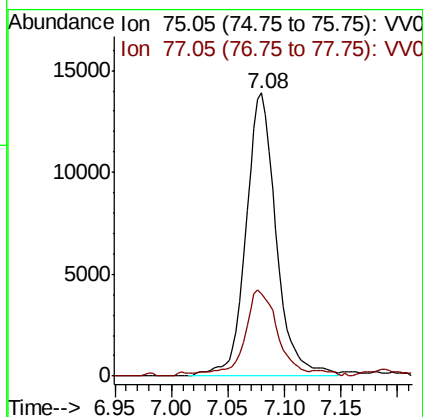
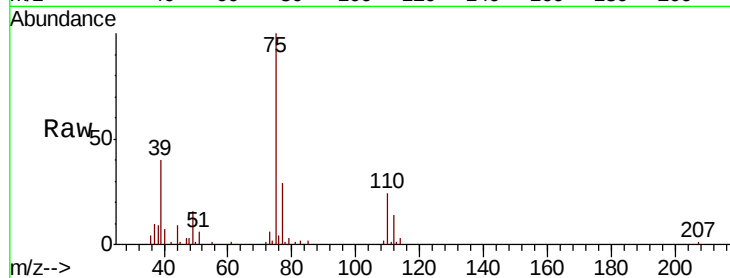


#39

cis-1,3-Dichloropropene
 Concen: 0.852 ug/L
 RT: 7.08 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV007101.D
 Acq: 21 Aug 2018 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00170

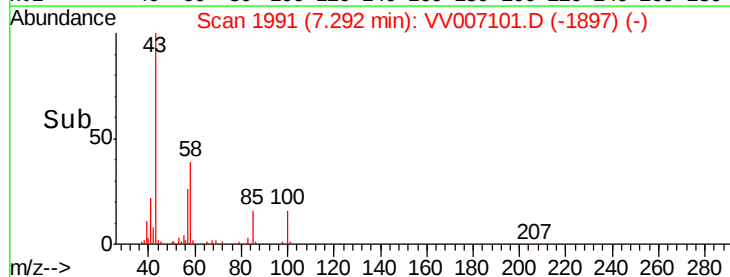
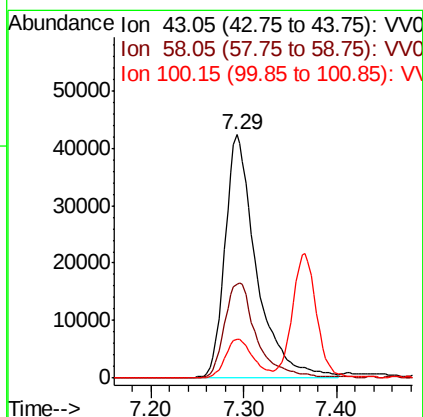
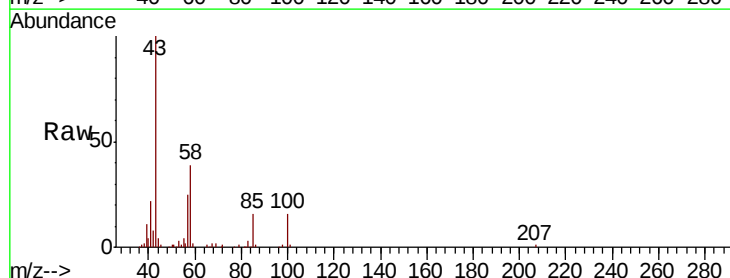
Tgt Ion: 75 Resp: 25907
 Ion Ratio Lower Upper
 75 100
 77 29.1 21.5 39.9

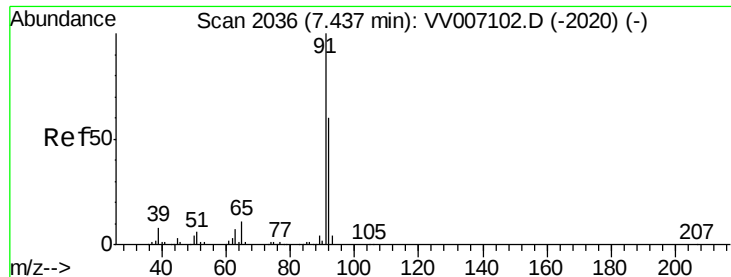


#40

4-Methyl-2-pentanone
 Concen: 7.437 ug/L
 RT: 7.29 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: VV007101.D
 Acq: 21 Aug 2018 15:15

Tgt Ion: 43 Resp: 99629
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.2 48.4
 100 14.4 12.3 18.5





#42

Toluene

Concen: 0.846 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

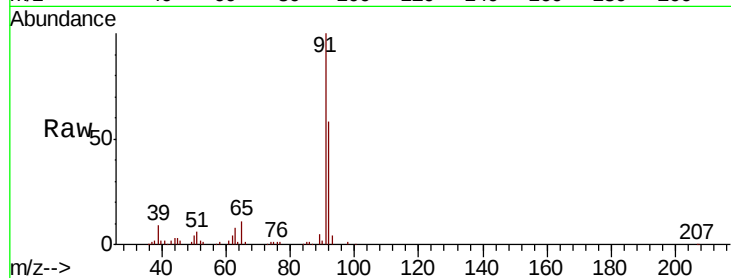
VSTD00170

Tgt Ion: 91 Resp: 74728

Ion Ratio Lower Upper

91 100

92 57.7 41.8 77.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

40000

30000

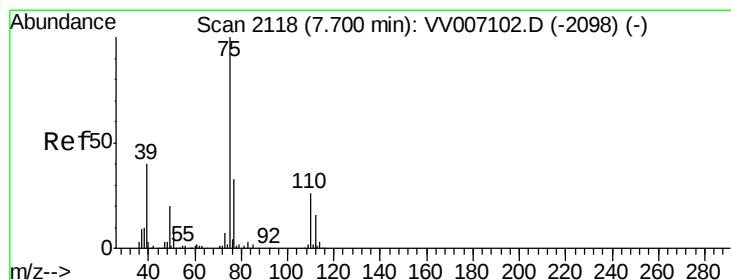
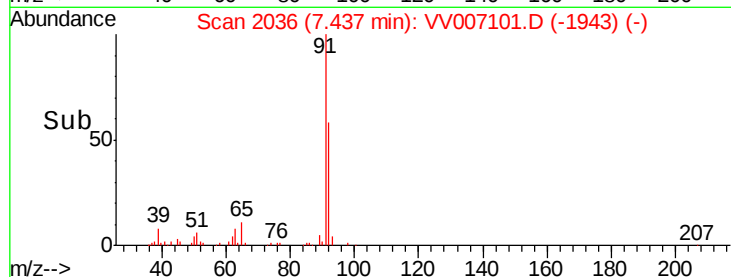
20000

10000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.850 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV007101.D

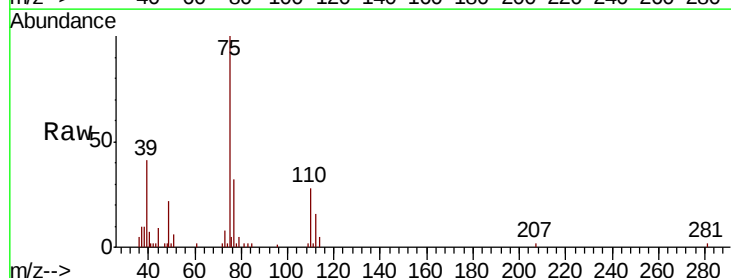
Acq: 21 Aug 2018 15:15

Tgt Ion: 75 Resp: 21208

Ion Ratio Lower Upper

75 100

77 31.7 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

12000

10000

8000

6000

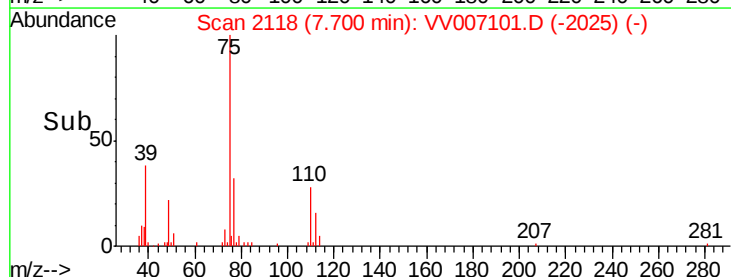
4000

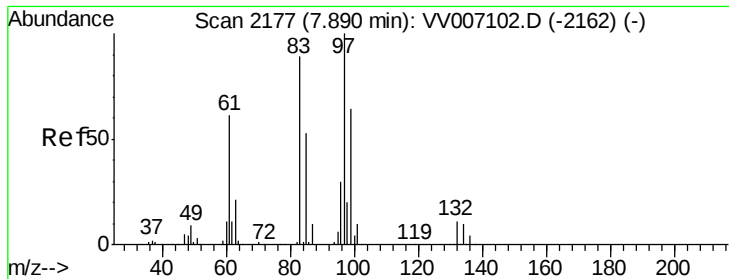
2000

0

7.65 7.70 7.75 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 1.015 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

Tgt Ion: 97 Resp: 16762

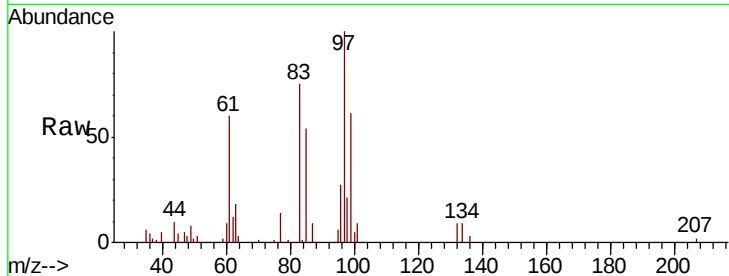
Ion Ratio Lower Upper

97 100

99 60.9 44.9 83.5

83 75.0 62.4 115.8

85 54.0 37.0 68.6



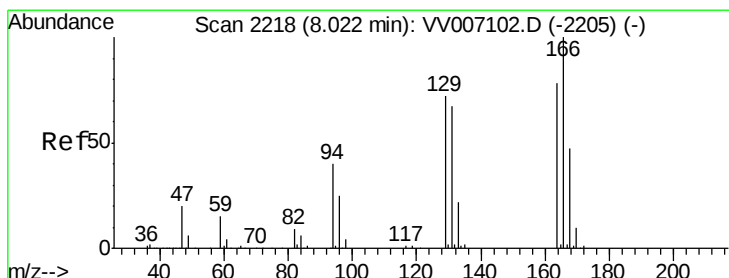
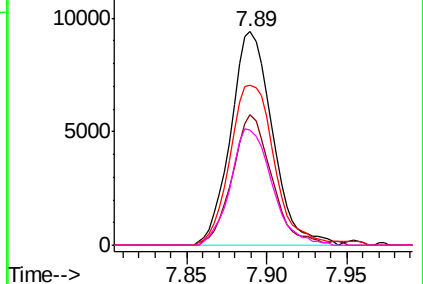
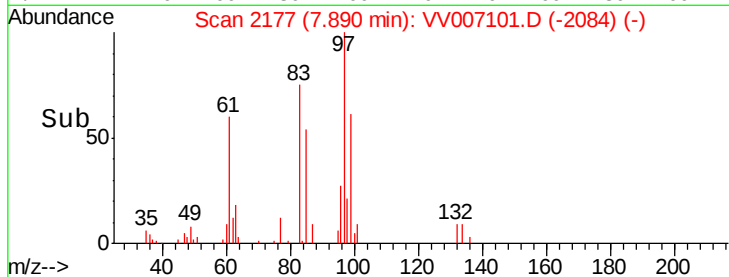
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 0.932 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Tgt Ion: 164 Resp: 16849

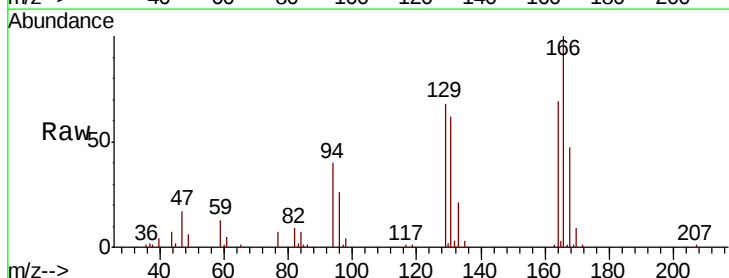
Ion Ratio Lower Upper

164 100

129 98.2 64.8 120.3

131 89.6 60.1 111.5

166 144.1 89.3 165.9



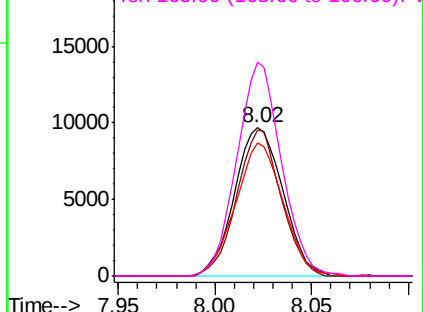
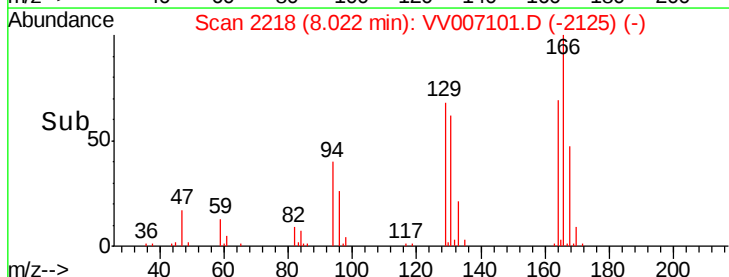
Abundance

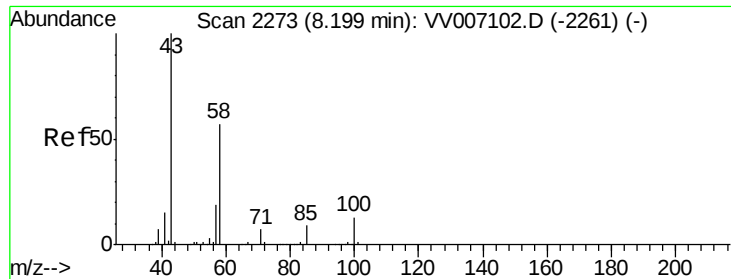
Ion 163.90 (163.60 to 164.60): V

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

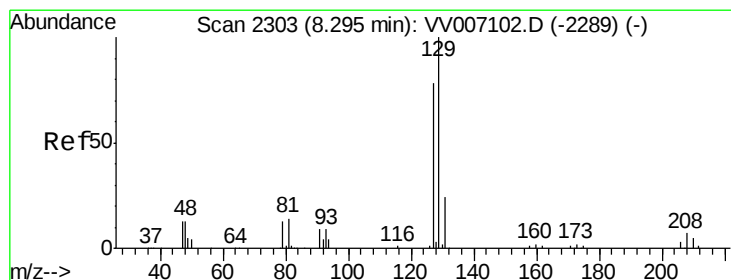
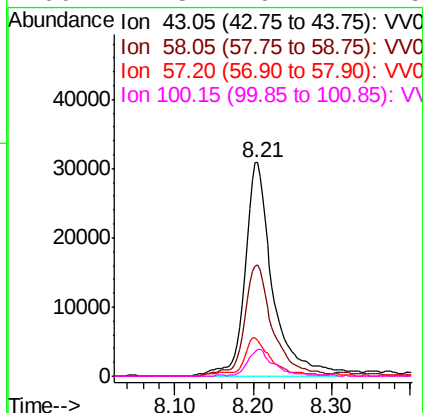
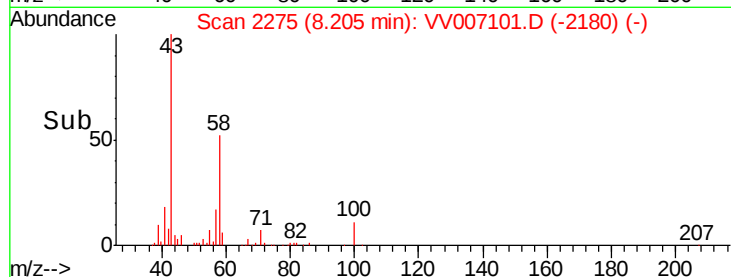
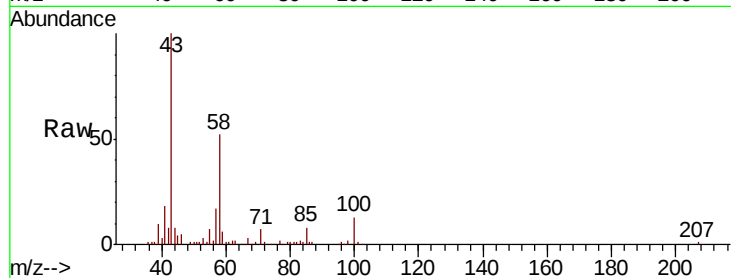




#48
2-Hexanone
Concen: 7.943 ug/L
RT: 8.21 min Scan# 2275
Delta R.T. 0.01 min
Lab File: VV007101.D
Acq: 21 Aug 2018 15:15

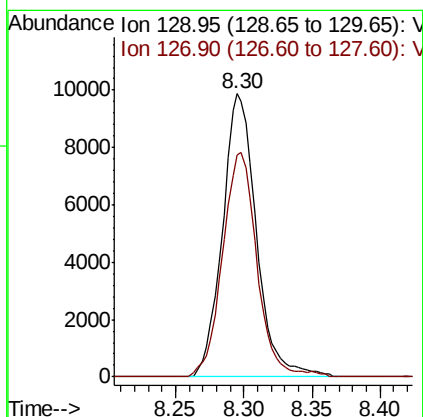
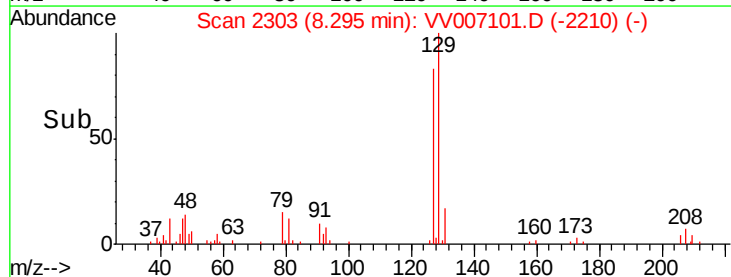
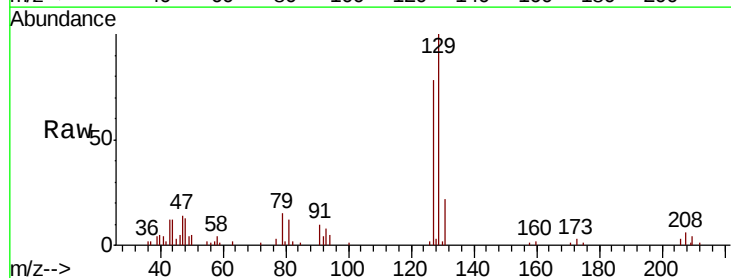
Instrument :
MSVOA_V
ClientSampleId :
VSTD00170

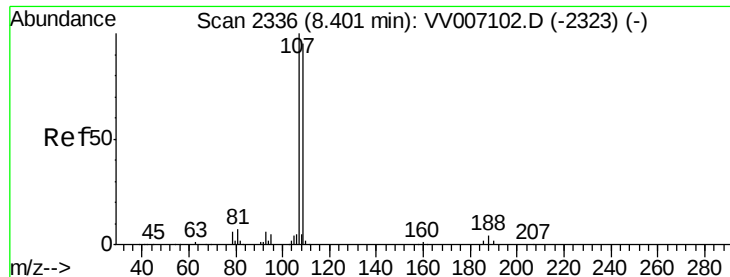
Tgt Ion: 43 Resp: 76038
Ion Ratio Lower Upper
43 100
58 53.8 47.7 71.5
57 16.2 15.4 23.0
100 11.8 9.7 14.5



#49
Dibromochloromethane
Concen: 0.981 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007101.D
Acq: 21 Aug 2018 15:15

Tgt Ion: 129 Resp: 17075
Ion Ratio Lower Upper
129 100
127 78.4 54.8 101.8

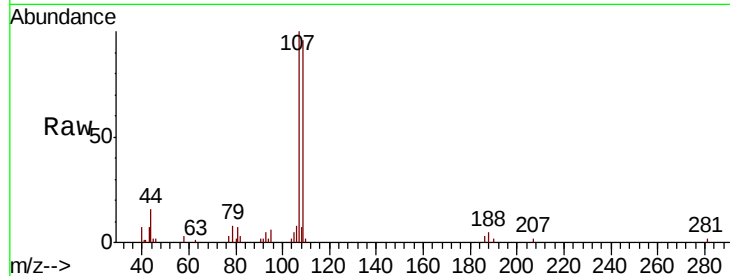




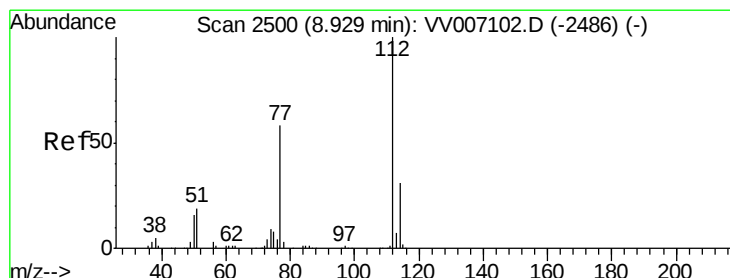
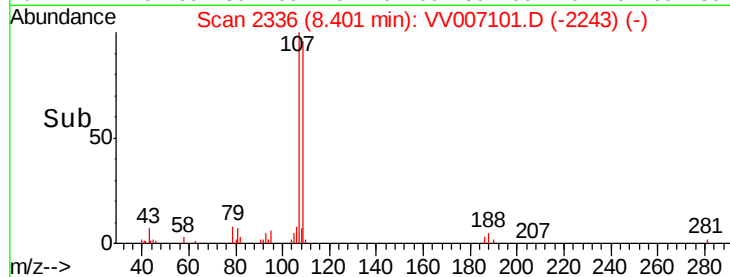
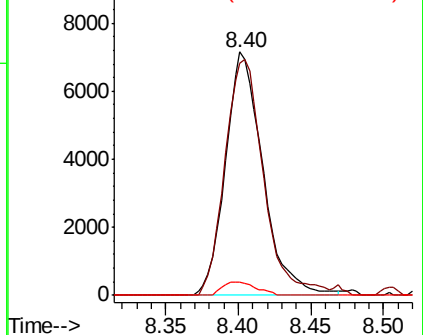
#50
1,2-Dibromoethane
Concen: 0.924 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV007101.D
Acq: 21 Aug 2018 15:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD00170

Tgt Ion:107 Resp: 12869
Ion Ratio Lower Upper
107 100
109 95.5 66.8 124.2
188 5.3 2.9 4.3#

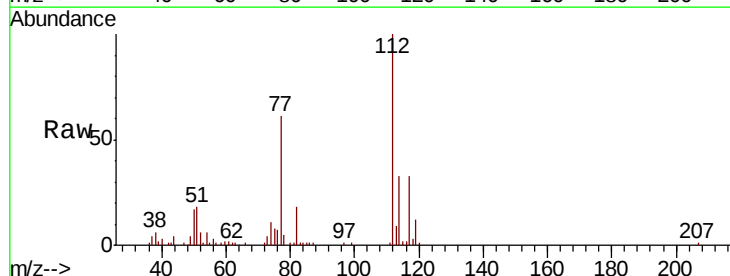


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

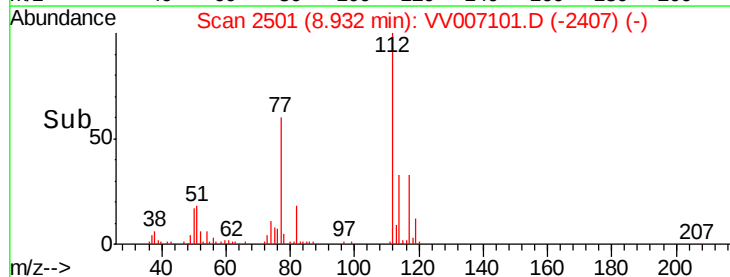
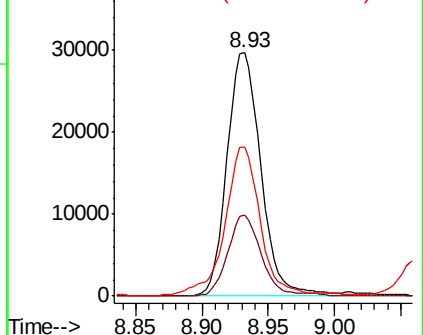


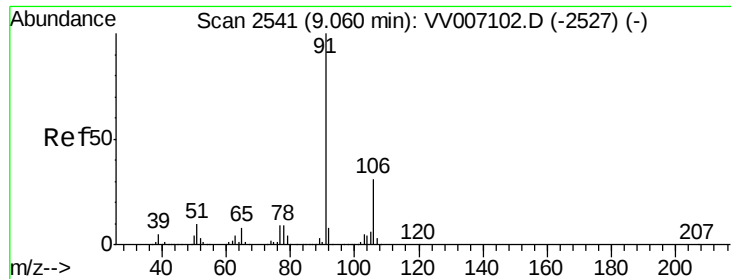
#51
Chlorobenzene
Concen: 0.934 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV007101.D
Acq: 21 Aug 2018 15:15

Tgt Ion:112 Resp: 52963
Ion Ratio Lower Upper
112 100
114 33.1 21.9 40.7
77 61.1 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.814 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

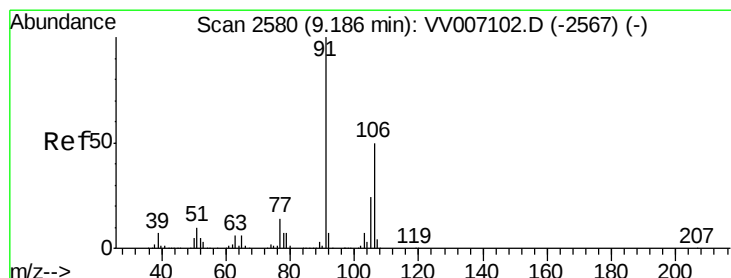
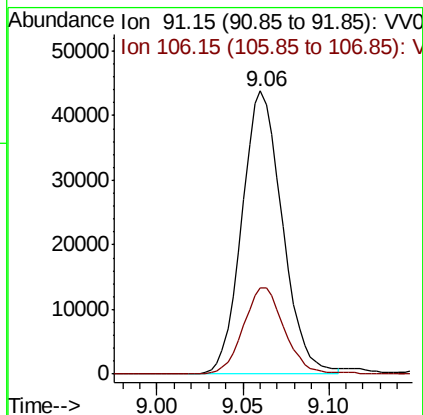
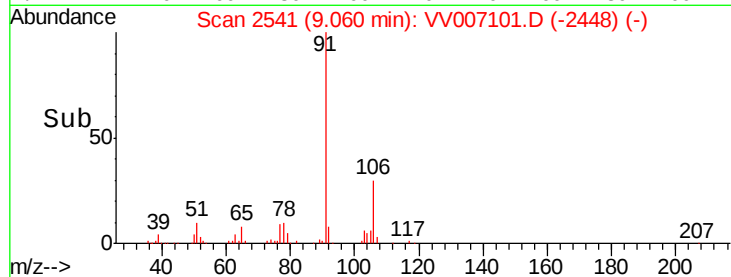
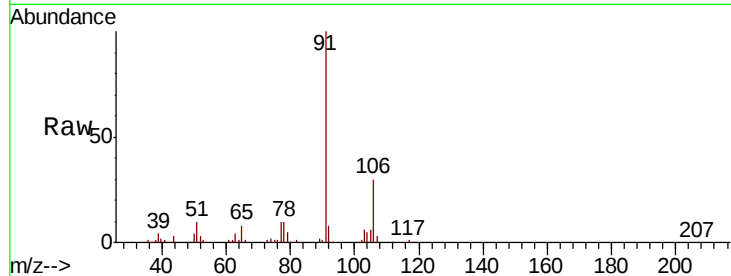
VSTD00170

Tgt Ion: 91 Resp: 71669

Ion Ratio Lower Upper

91 100

106 30.3 21.7 40.3



#53

m,p-xylene

Concen: 0.783 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007101.D

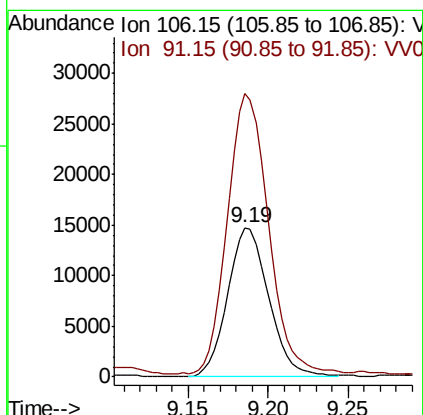
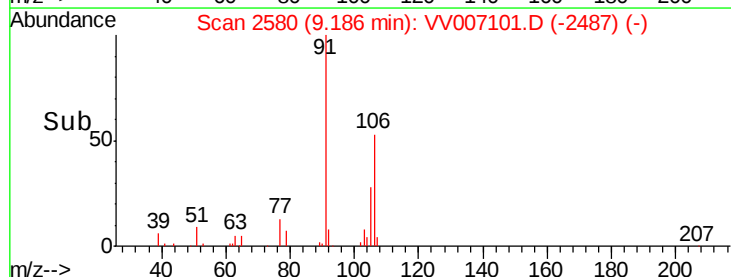
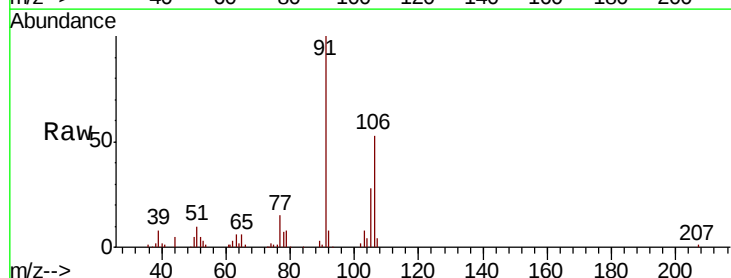
Acq: 21 Aug 2018 15:15

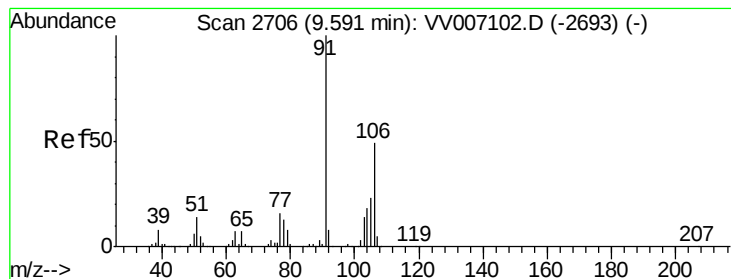
Tgt Ion: 106 Resp: 25860

Ion Ratio Lower Upper

106 100

91 189.9 141.5 262.7





#54

o-xylene

Concen: 0.827 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

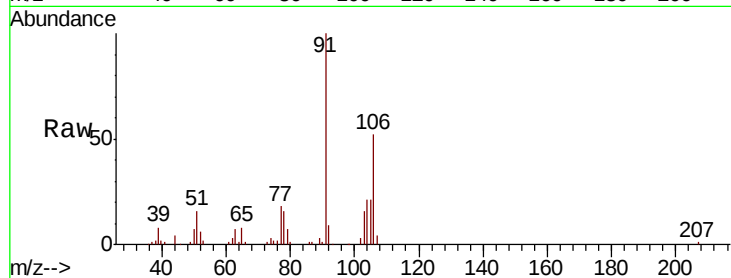
VSTD00170

Tgt Ion:106 Resp: 25873

Ion Ratio Lower Upper

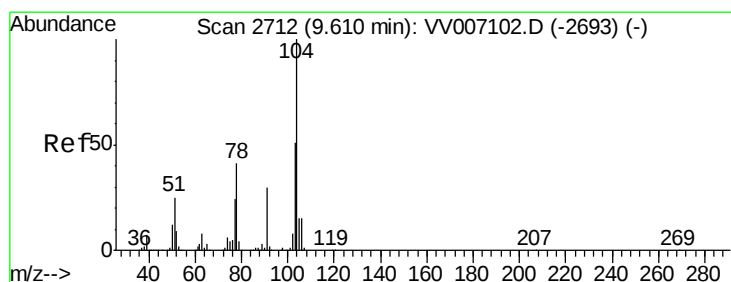
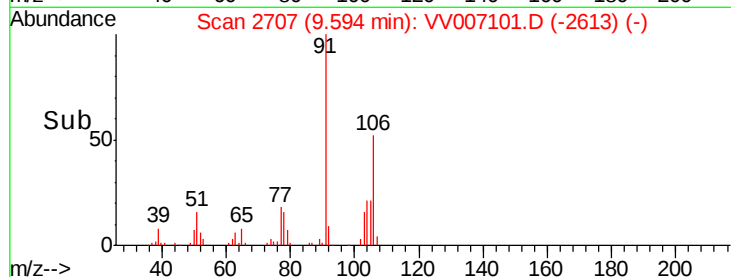
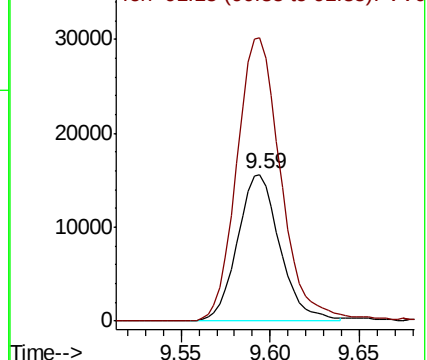
106 100

91 192.9 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.745 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV007101.D

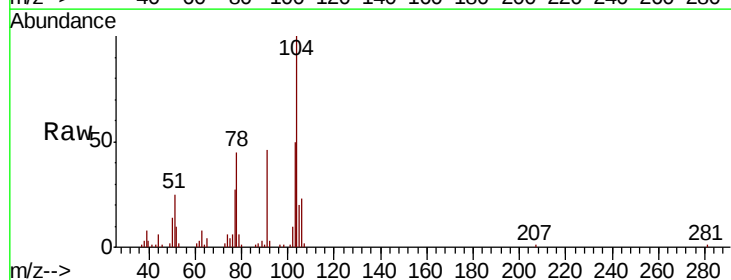
Acq: 21 Aug 2018 15:15

Tgt Ion:104 Resp: 39345

Ion Ratio Lower Upper

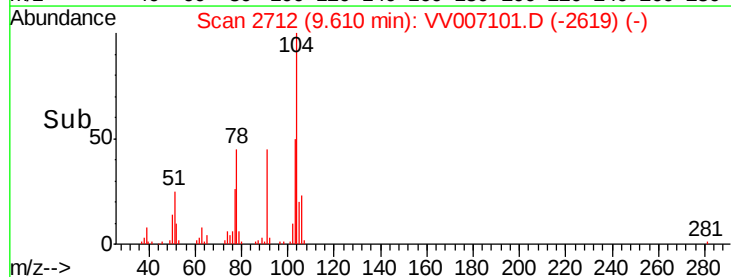
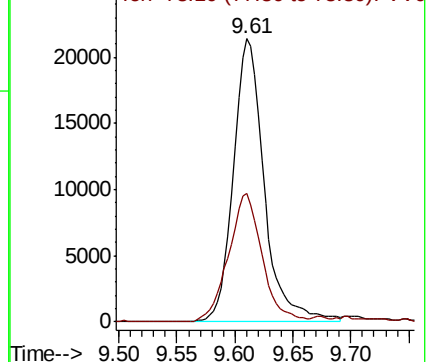
104 100

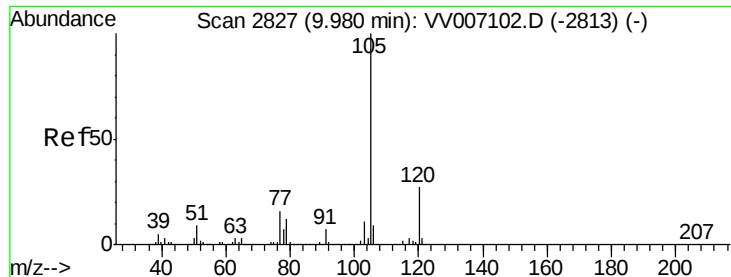
78 45.2 28.9 53.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.761 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

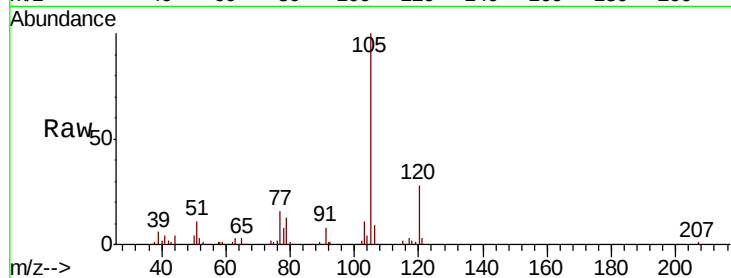
Tgt Ion: 105 Resp: 62222

Ion Ratio Lower Upper

105 100

120 28.1 21.8 32.8

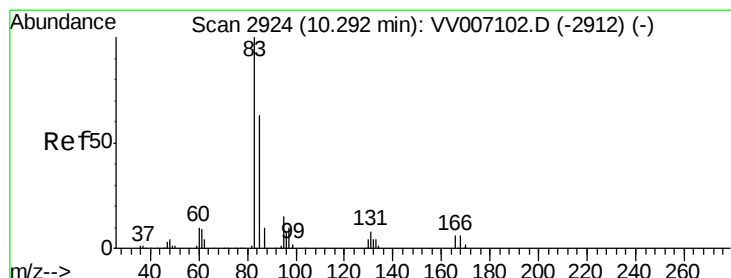
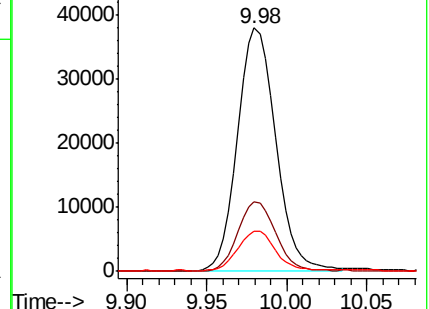
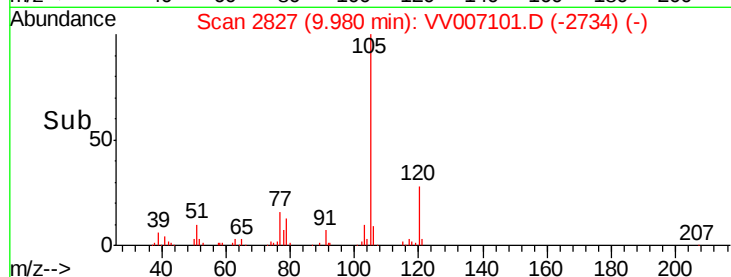
77 16.9 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.917 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

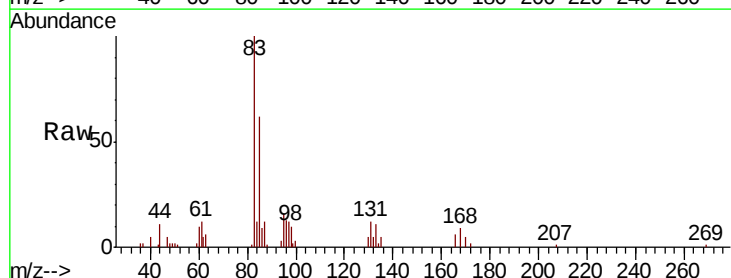
Tgt Ion: 83 Resp: 18278

Ion Ratio Lower Upper

83 100

85 61.8 44.4 82.5

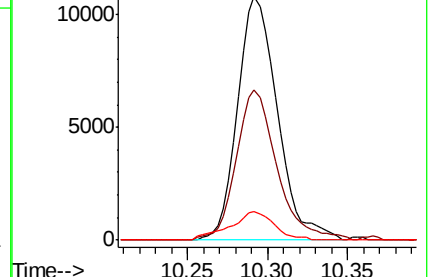
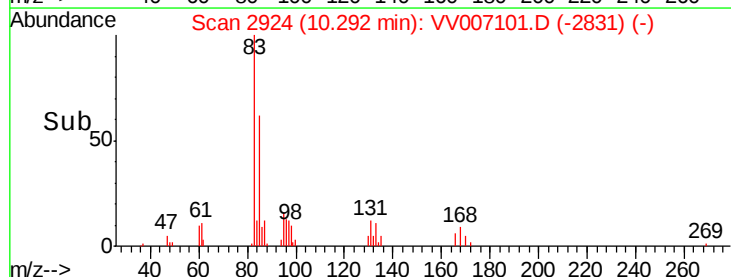
131 11.6 7.3 10.9#

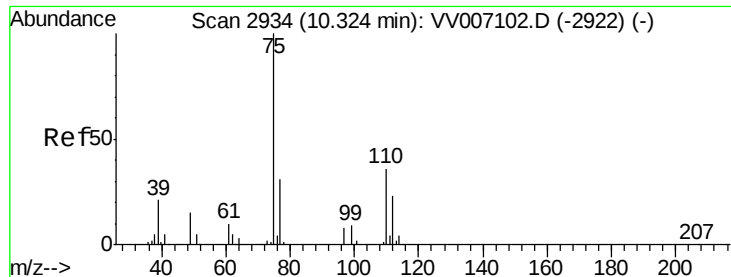


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.958 ug/L

RT: 10.33 min Scan# 2936

Delta R.T. 0.01 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

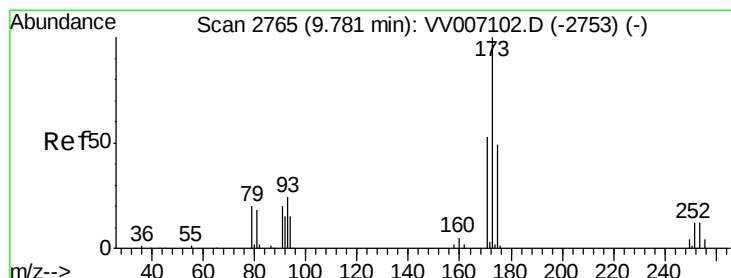
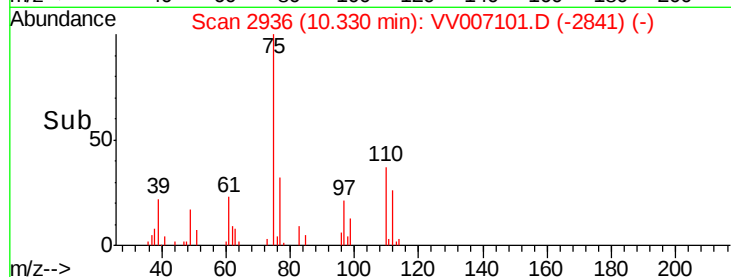
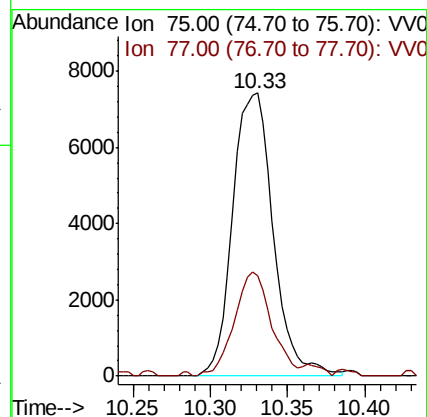
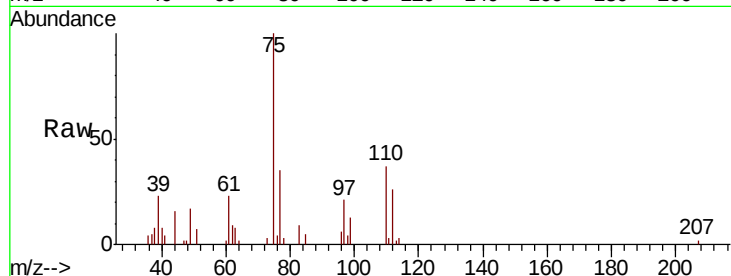
VSTD00170

Tgt Ion: 75 Resp: 13510

Ion Ratio Lower Upper

75 100

77 33.4 25.6 38.4



#61

Bromoform

Concen: 1.097 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

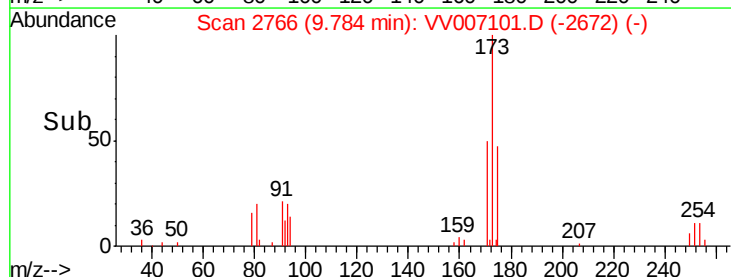
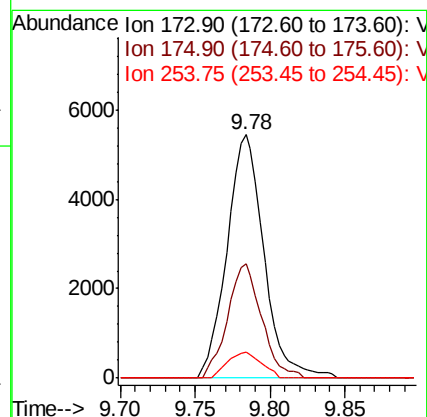
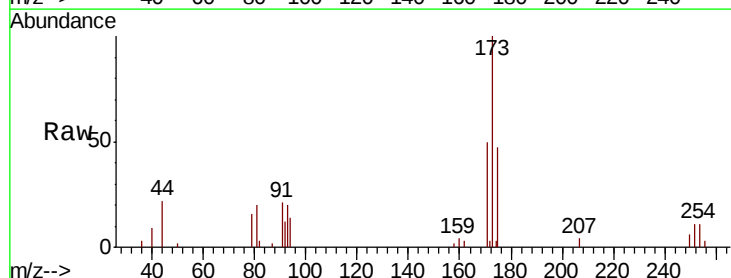
Tgt Ion: 173 Resp: 9372

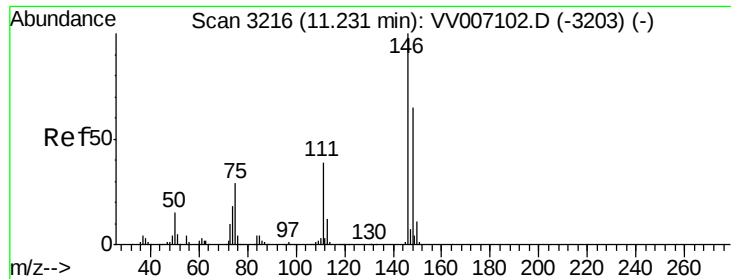
Ion Ratio Lower Upper

173 100

175 43.4 38.9 58.3

254 9.8 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 0.985 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

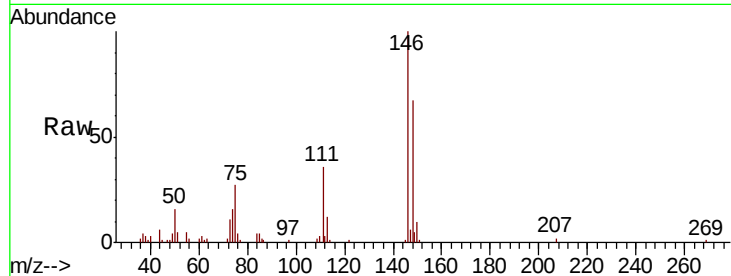
Tgt Ion:146 Resp: 35574

Ion Ratio Lower Upper

146 100

111 35.8 27.4 50.8

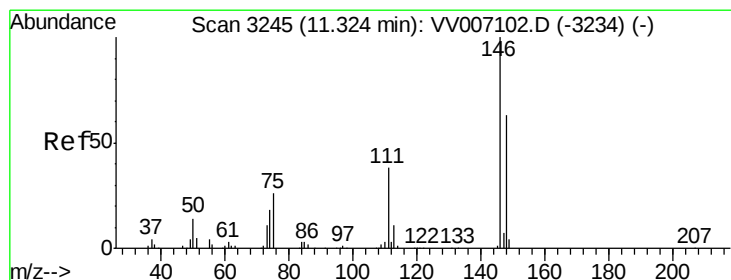
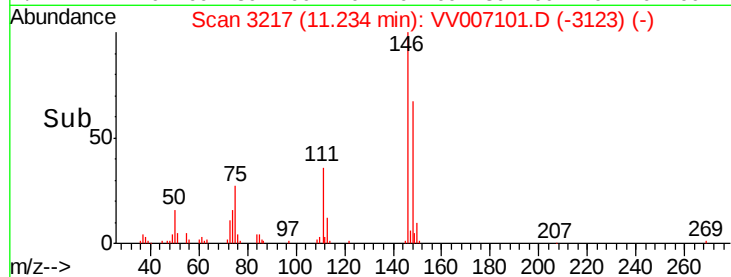
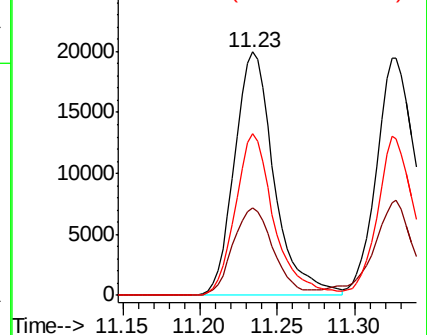
148 66.6 45.3 84.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.972 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

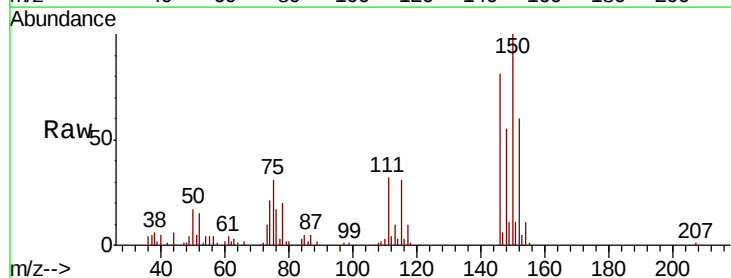
Tgt Ion:146 Resp: 36001

Ion Ratio Lower Upper

146 100

111 38.9 26.7 49.7

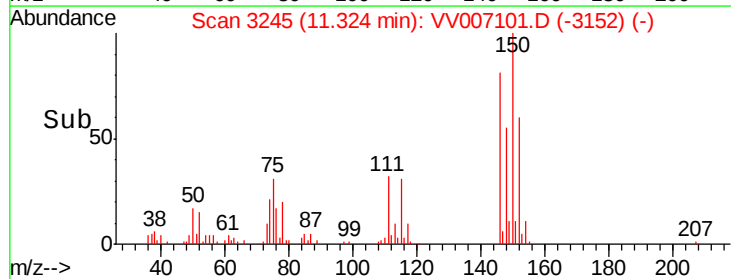
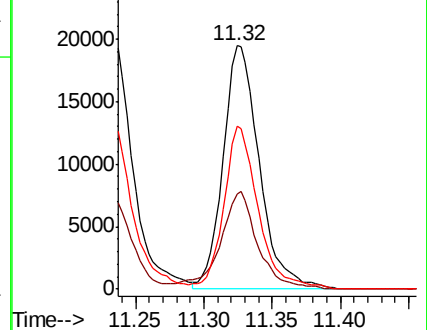
148 67.1 44.4 82.4

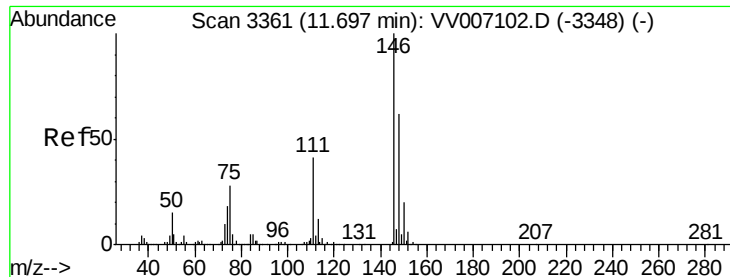


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.950 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

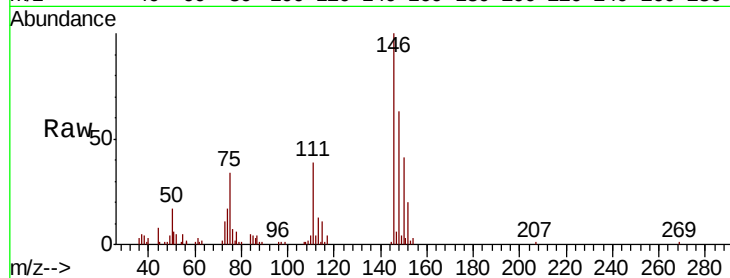
Tgt Ion:146 Resp: 34004

Ion Ratio Lower Upper

146 100

111 39.5 32.7 49.1

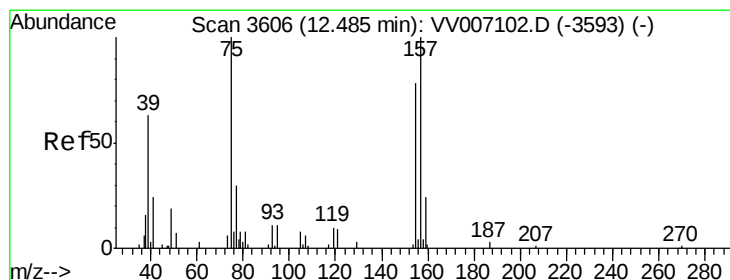
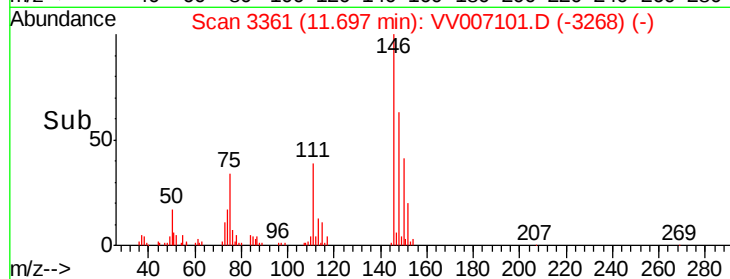
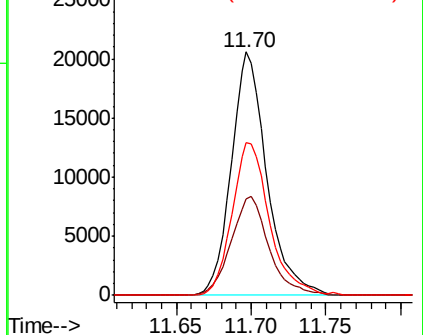
148 62.7 49.8 74.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.910 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

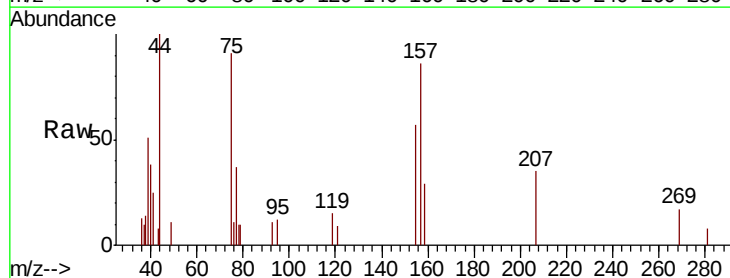
Tgt Ion: 75 Resp: 2244

Ion Ratio Lower Upper

75 100

155 62.4 62.7 94.1#

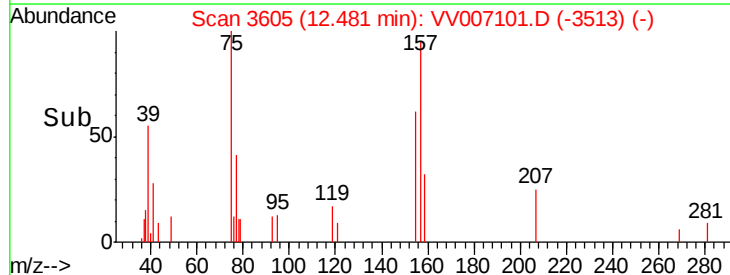
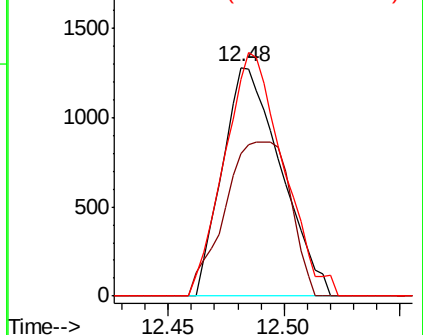
157 94.8 79.7 119.5

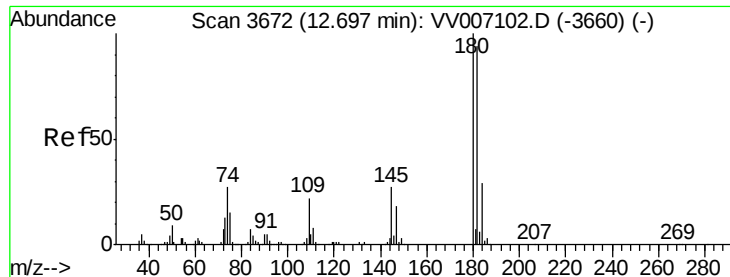


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

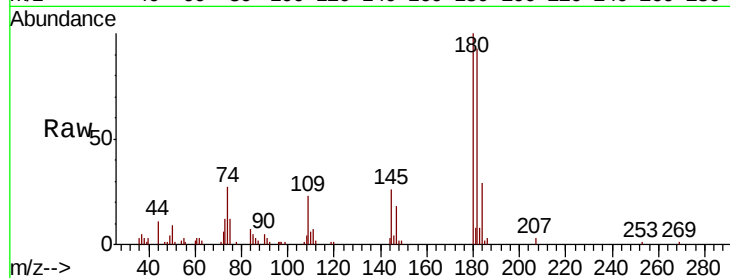




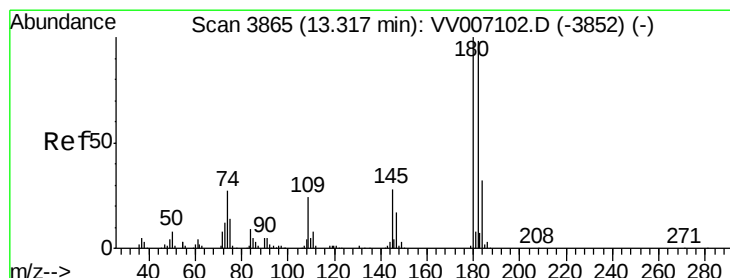
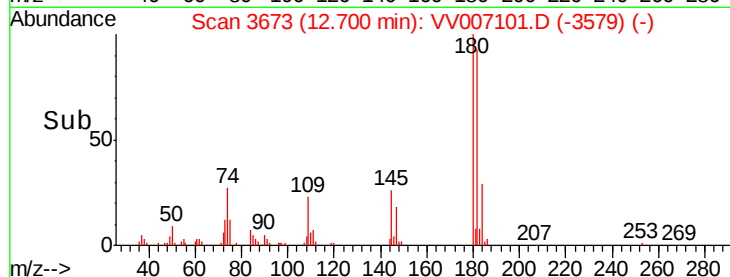
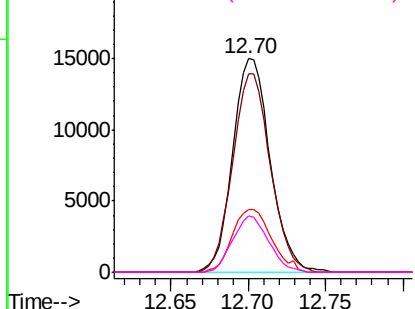
#67
 1,3,5-Trichlorobenzene
 Concen: 0.927 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007101.D
 Acq: 21 Aug 2018 15:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00170

Tgt Ion:180	Resp:	25184
Ion Ratio	Lower	Upper
180	100	
182	93.4	76.6 115.0
184	30.8	24.4 36.6
145	25.2	22.2 33.2

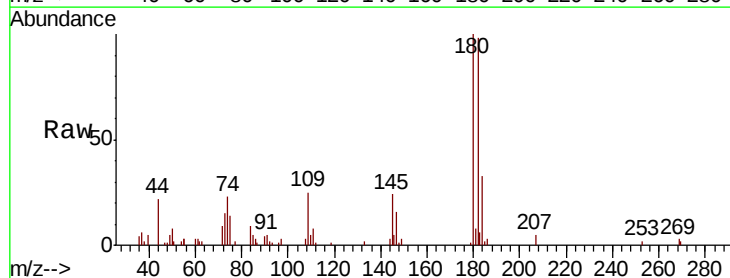


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

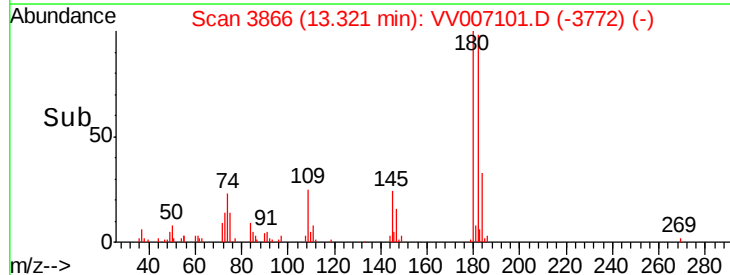
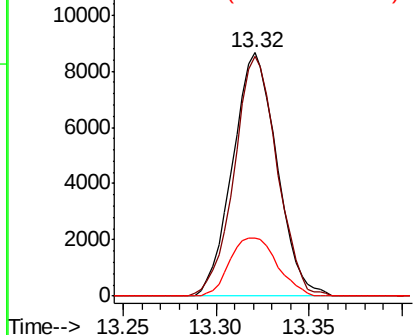


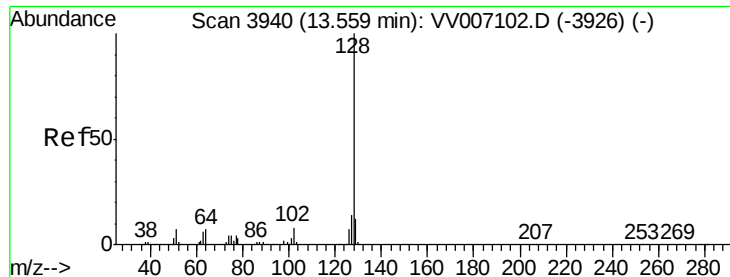
#68
 1,2,4-trichlorobenzene
 Concen: 0.726 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV007101.D
 Acq: 21 Aug 2018 15:15

Tgt Ion:180	Resp:	14333
Ion Ratio	Lower	Upper
180	100	
182	95.5	78.4 117.6
145	25.8	22.9 34.3



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.568 ug/L

RT: 13.56 min Scan# 3942

Delta R.T. 0.01 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

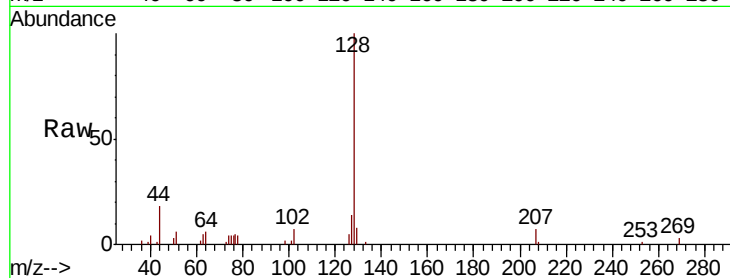
Tgt Ion:128 Resp: 15961

Ion Ratio Lower Upper

128 100

129 9.2 8.5 12.7

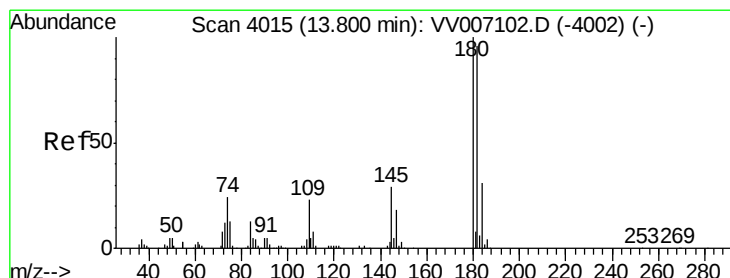
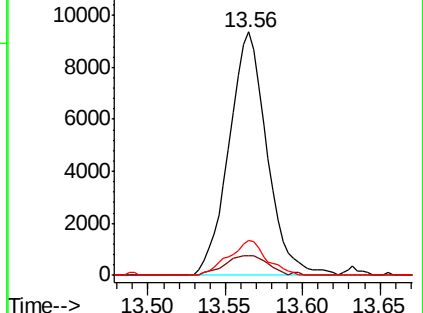
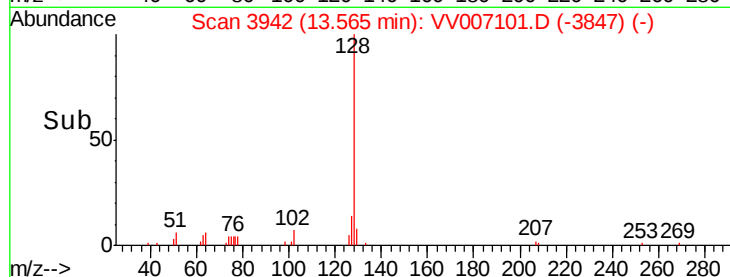
127 14.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.700 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV007101.D

Acq: 21 Aug 2018 15:15

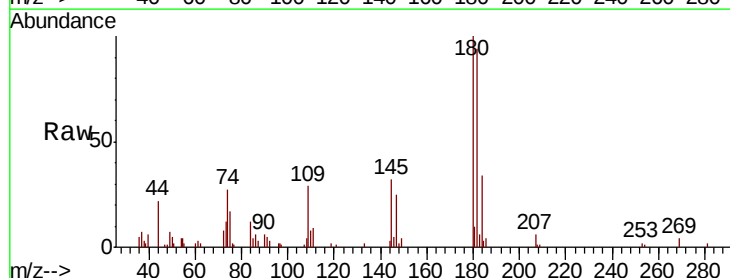
Tgt Ion:180 Resp: 13418

Ion Ratio Lower Upper

180 100

182 98.7 76.2 114.2

145 31.9 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

