

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061518\
 Data File : VV006310.D
 Acq On : 16 Jun 2018 04:59
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Jun 16 05:43:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 16 00:57:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	312215	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	286817	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	137884	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87902	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.58	69	72428	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.13	63	161665	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	3.98	46	219112	60.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.04%
24) Chloroform-d	4.41	84	162574	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.09	65	81225	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.11	84	330726	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.12	67	101104	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.36	98	322390	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.67	79	36615	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.14	63	200471	50.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.14%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	78291	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	125314	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	90191	3.793 ug/L	99
3) Chloromethane	1.26	50	97188	4.887 ug/L	99
5) Vinyl chloride	1.32	62	111962	4.650 ug/L	100
6) Bromomethane	1.54	94	61645	4.819 ug/L	97
8) Chloroethane	1.60	64	68855	5.116 ug/L	99
9) Trichlorofluoromethane	1.77	101	146579	4.692 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	87070	4.516 ug/L	98
12) 1,1-Dichloroethene	2.14	96	89043	4.970 ug/L	93
13) Acetone	2.23	43	131074	66.806 ug/L	96
14) Carbon disulfide	2.32	76	211861	3.530 ug/L	100
15) Methyl Acetate	2.48	43	35064	6.005 ug/L	99
16) Methylene chloride	2.54	84	97368	4.922 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	233650	5.270 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	94607	4.840 ug/L	98
19) 1,1-Dichloroethane	3.23	63	164136	4.992 ug/L	99
21) 2-Butanone	4.06	43	207805	58.219 ug/L	93
22) cis-1,2-Dichloroethene	3.97	96	102361	4.839 ug/L #	99

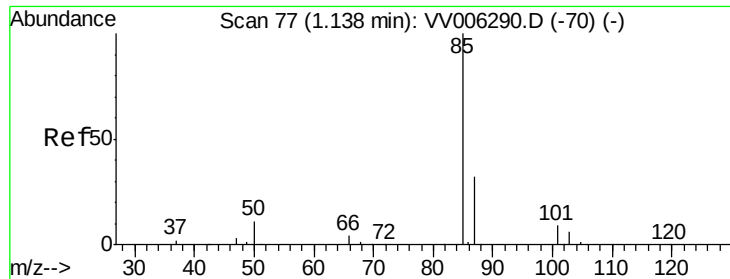
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061518\
 Data File : VV006310.D
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 QLast Update : Sat Jun 16 00:57:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	42211	4.975	ug/L	98
25) Chloroform	4.44	83	166888	4.915	ug/L	100
27) 1,2-Dichloroethane	5.19	62	98586	5.057	ug/L	98
29) 1,1,1-Trichloroethane	4.67	97	139839	4.413	ug/L	100
30) Cyclohexane	4.73	56	130261	3.997	ug/L	98
31) Carbon tetrachloride	4.88	117	114447	4.095	ug/L	99
33) Benzene	5.15	78	372002	4.704	ug/L	100
34) Trichloroethene	5.96	95	101902	4.721	ug/L	99
35) Methylcyclohexane	6.18	83	143656	3.872	ug/L	98
37) 1,2-Dichloropropane	6.23	63	90766	4.791	ug/L	100
38) Bromodichloromethane	6.56	83	104841	4.156	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	126420	4.094	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	512738	52.329	ug/L	99
42) Toluene	7.44	91	407617	4.670	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	99125	3.958	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	68618	5.118	ug/L	97
47) Tetrachloroethene	8.02	164	80786	4.676	ug/L	99
48) 2-Hexanone	8.19	43	372563	54.101	ug/L	99
49) Dibromochloromethane	8.30	129	70231	4.160	ug/L	97
50) 1,2-Dibromoethane	8.40	107	62521	5.004	ug/L	97
51) Chlorobenzene	8.93	112	269823	4.815	ug/L	99
52) Ethylbenzene	9.06	91	448757	4.615	ug/L	100
53) m,p-xylene	9.19	106	172375	4.544	ug/L	99
54) o-xylene	9.59	106	172954	4.662	ug/L	97
55) Styrene	9.61	104	286079	4.688	ug/L	97
56) Isopropylbenzene	9.98	105	447207	4.577	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.30	83	73931	4.814	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	55066	5.159	ug/L	97
61) Bromoform	9.78	173	34621	3.700	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	206922	4.763	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	208194	4.845	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	201265	5.022	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9490	3.603	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	158195	4.732	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	126017	4.874	ug/L	100
69) Naphthalene	13.56	128	211933	4.872	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	120788	5.086	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 3.793 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

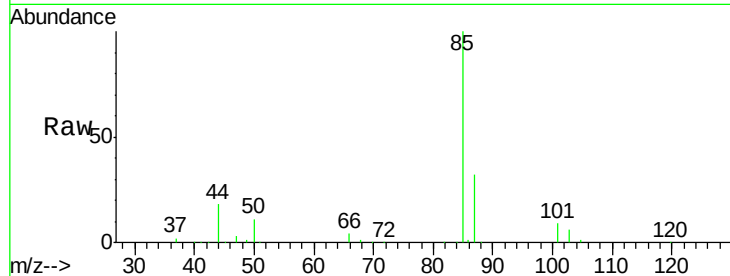
VSTD05047

Tgt Ion: 85 Resp: 90191

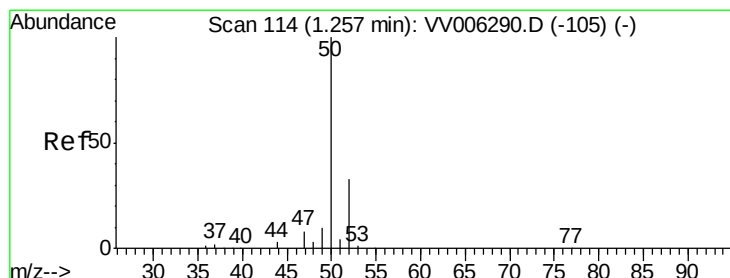
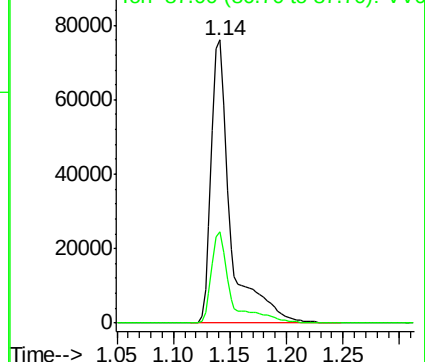
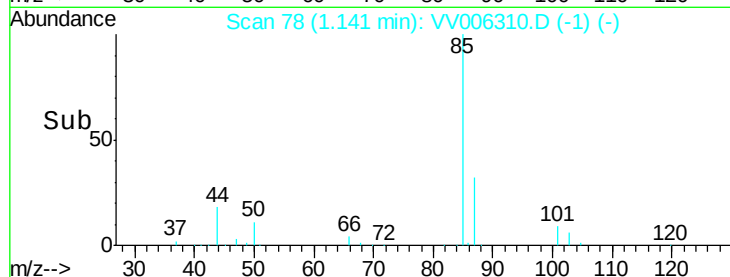
Ion Ratio Lower Upper

85 100

87 32.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV006310.D (-1) (-)



#3

Chloromethane

Concen: 4.887 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006310.D

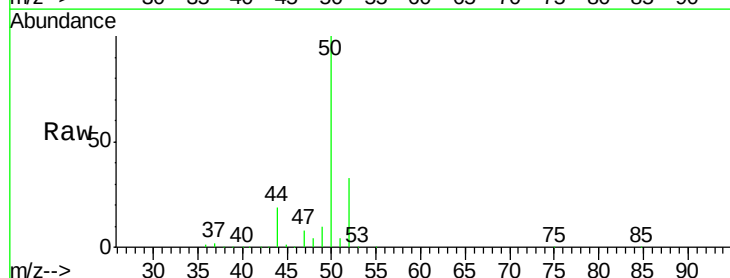
Acq: 16 Jun 2018 04:59

Tgt Ion: 50 Resp: 97188

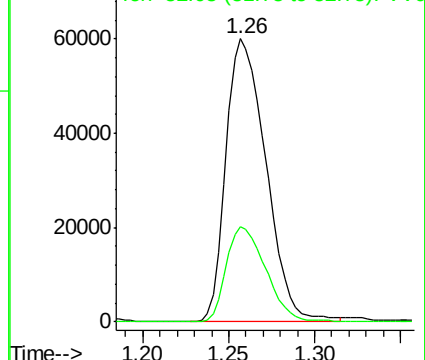
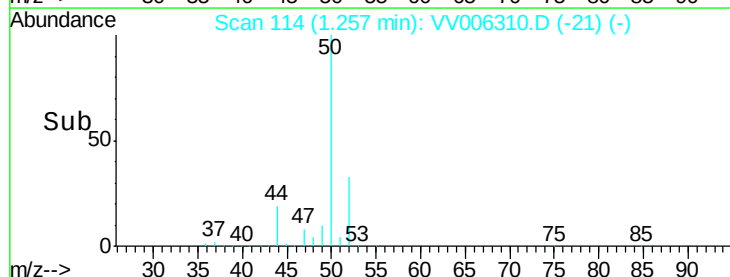
Ion Ratio Lower Upper

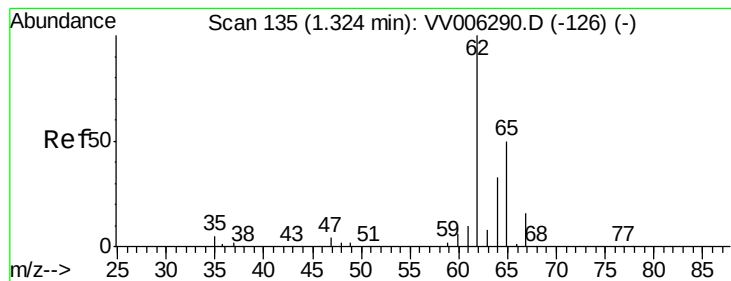
50 100

52 33.4 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV006310.D (-21) (-)





#5

Vinyl chloride

Concen: 4.650 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

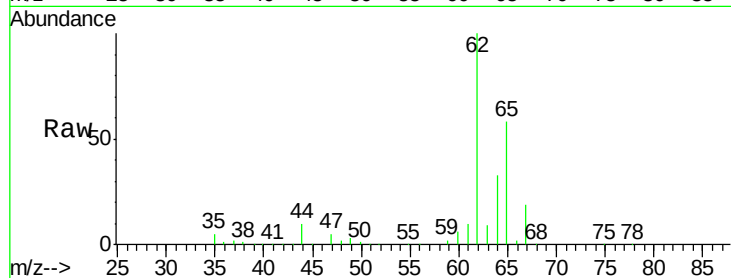
VSTD05047

Tgt Ion: 62 Resp: 111962

Ion Ratio Lower Upper

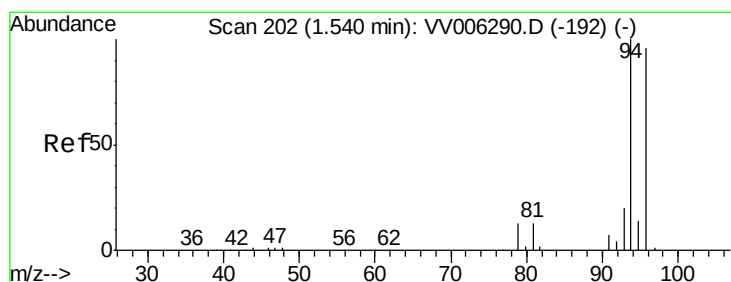
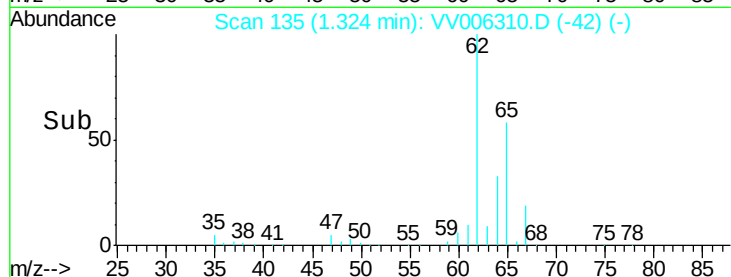
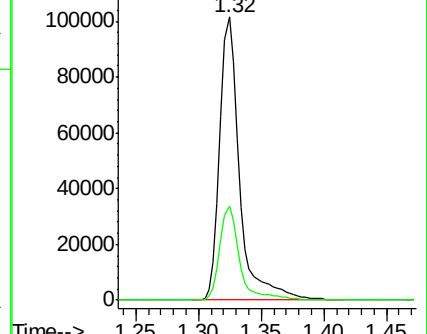
62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.819 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006310.D

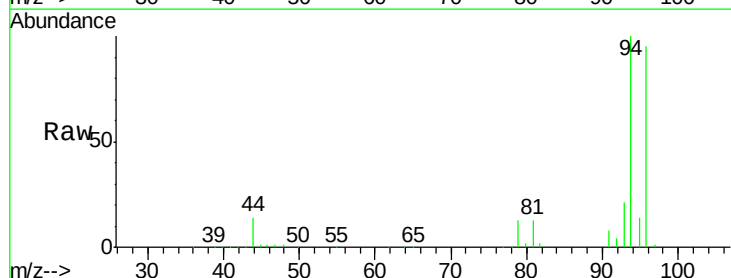
Acq: 16 Jun 2018 04:59

Tgt Ion: 94 Resp: 61645

Ion Ratio Lower Upper

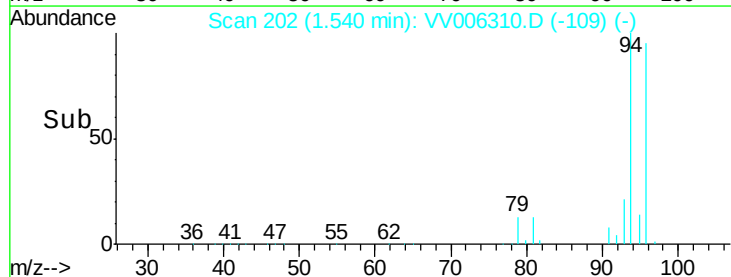
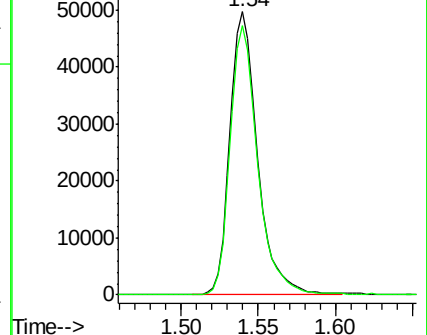
94 100

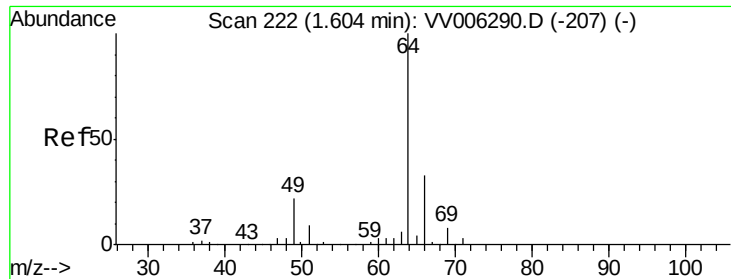
96 95.1 68.9 127.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

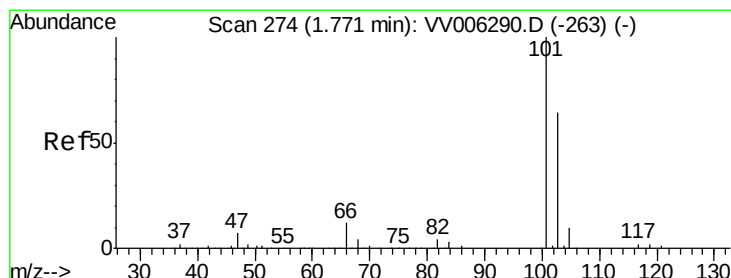
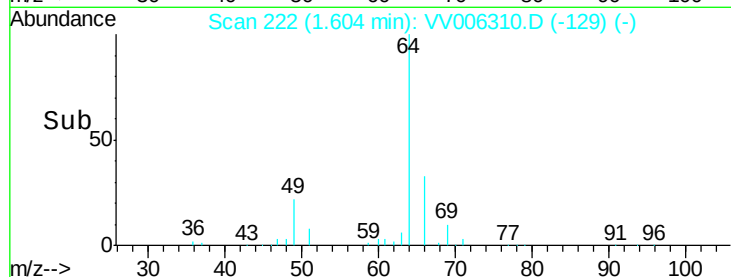
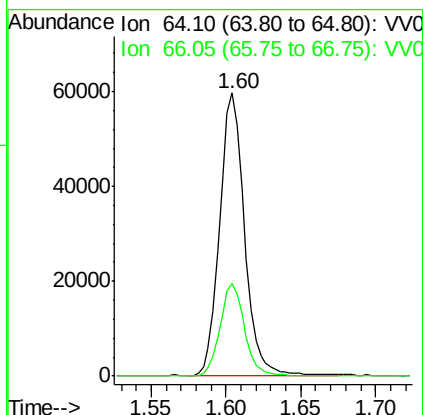
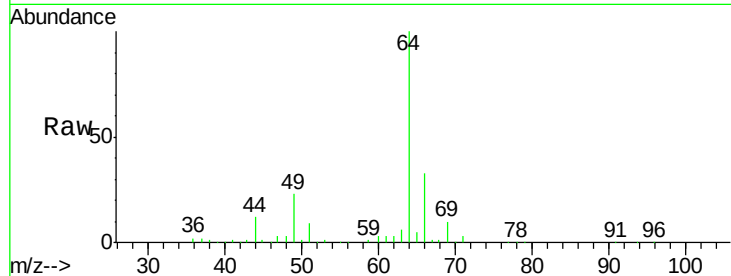




#8
Chloroethane
Concen: 5.116 ug/L
RT: 1.60 min Scan# 222
Delta R.T. 0.00 min
Lab File: VV006310.D
Acq: 16 Jun 2018 04:59

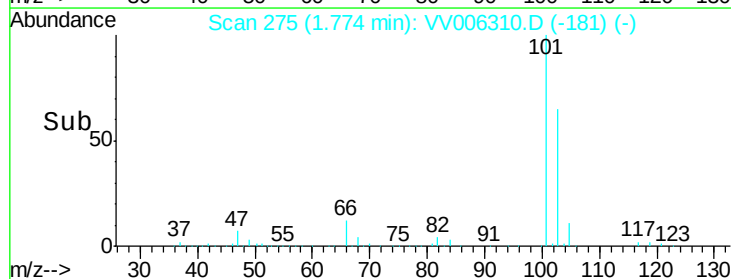
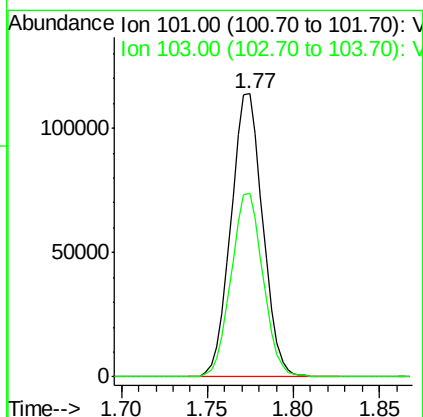
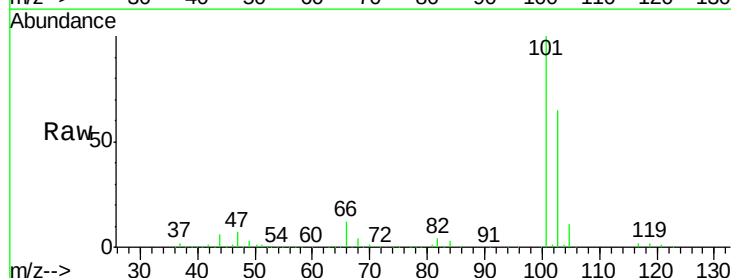
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

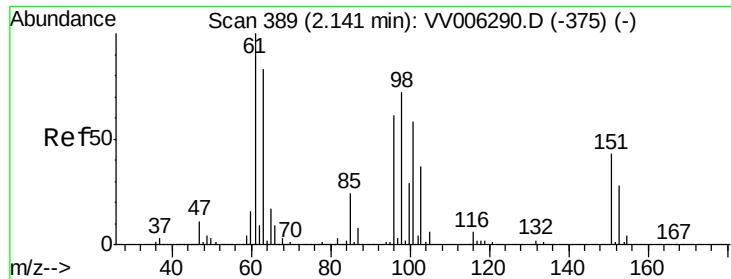
Tgt Ion: 64 Resp: 68855
Ion Ratio Lower Upper
64 100
66 32.8 22.5 41.7



#9
Trichlorofluoromethane
Concen: 4.692 ug/L
RT: 1.77 min Scan# 275
Delta R.T. 0.00 min
Lab File: VV006310.D
Acq: 16 Jun 2018 04:59

Tgt Ion: 101 Resp: 146579
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0





#10

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

Concen: 4.516 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

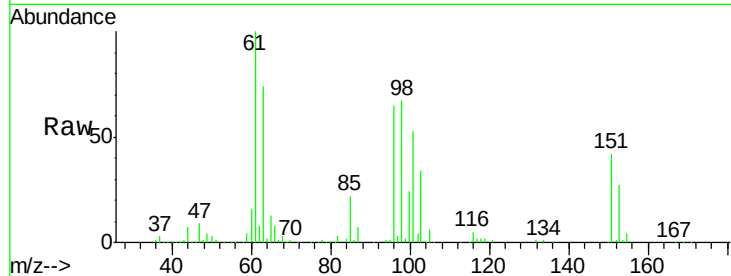
Tgt Ion: 101 Resp: 87070

Ion Ratio Lower Upper

101 100

85 41.4 32.6 49.0

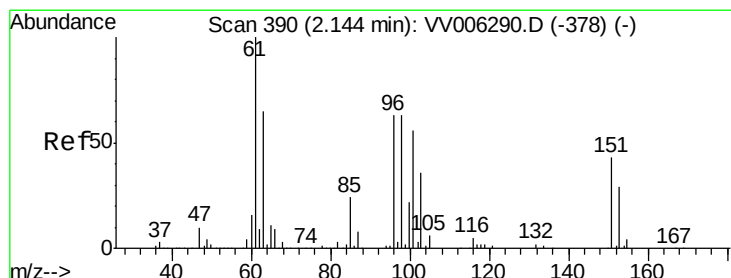
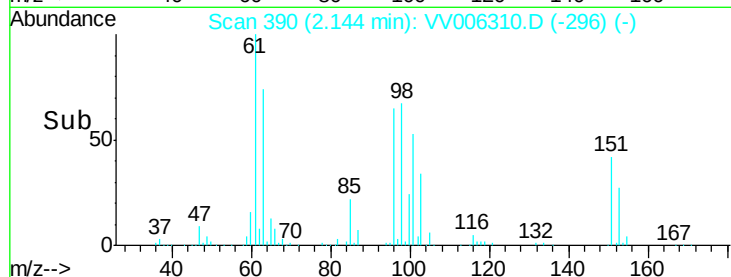
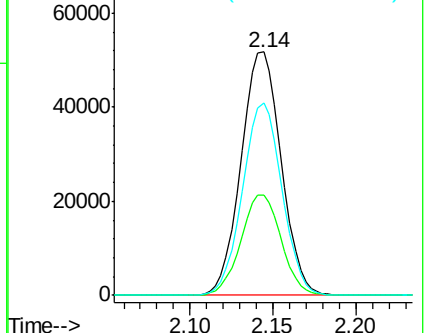
151 77.8 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV006310.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006310.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006310.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 4.970 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

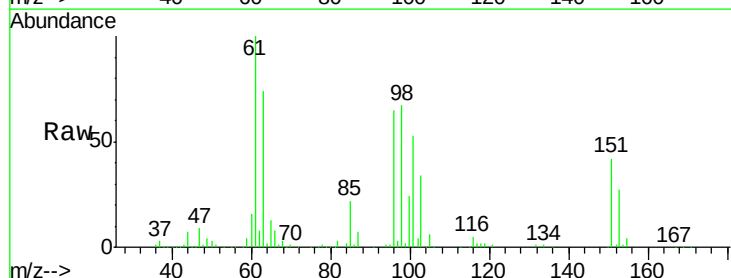
Tgt Ion: 96 Resp: 89043

Ion Ratio Lower Upper

96 100

61 154.0 114.2 212.2

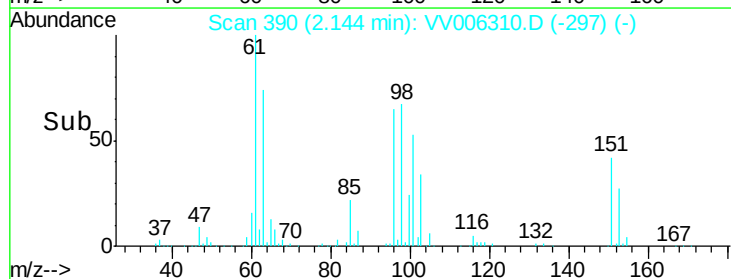
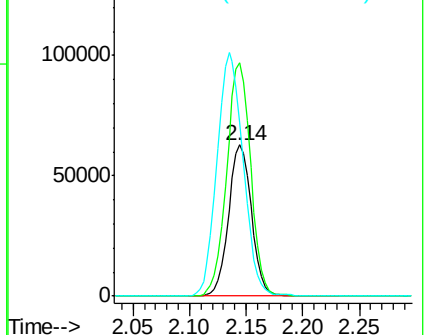
63 114.3 85.0 157.8

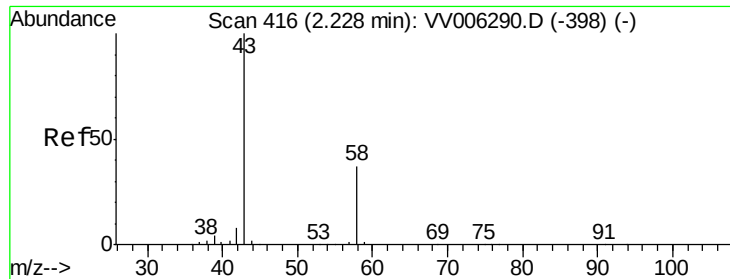


Abundance Ion 96.00 (95.70 to 96.70): VV006310.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006310.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006310.D (-297) (-)





#13

Acetone

Concen: 66.806 ug/L

RT: 2.23 min Scan# 417

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

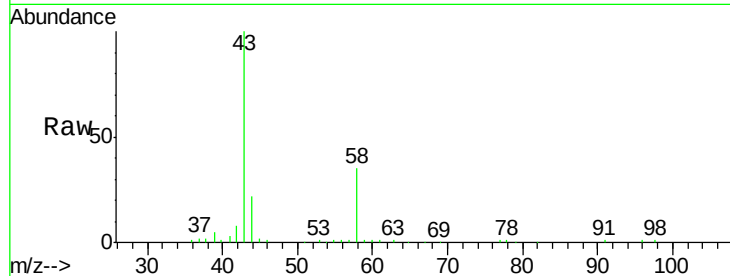
VSTD05047

Tgt Ion: 43 Resp: 131074

Ion Ratio Lower Upper

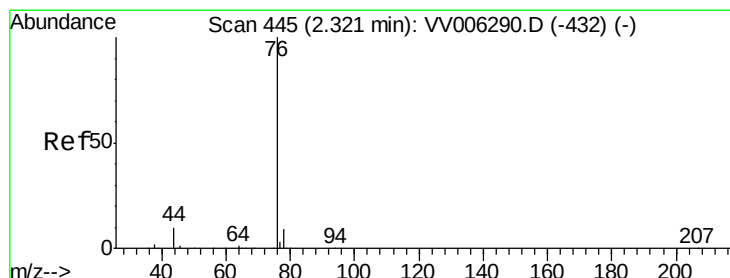
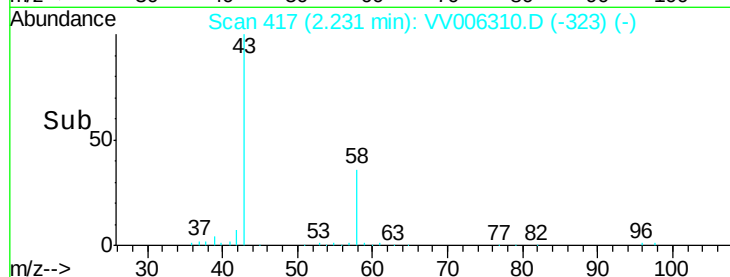
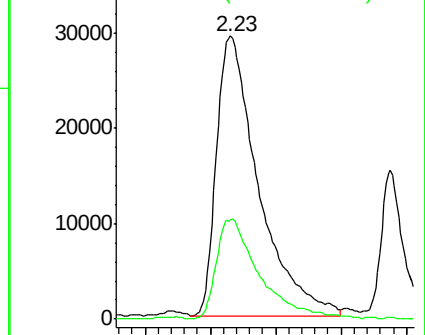
43 100

58 36.2 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 3.530 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006310.D

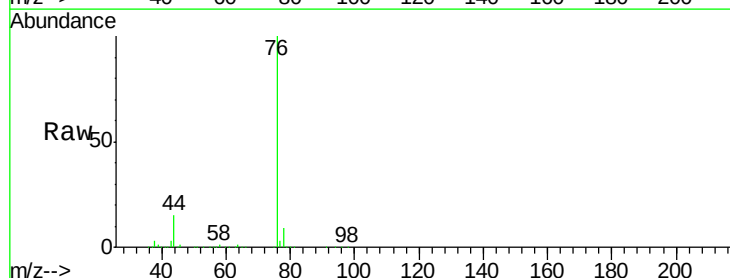
Acq: 16 Jun 2018 04:59

Tgt Ion: 76 Resp: 211861

Ion Ratio Lower Upper

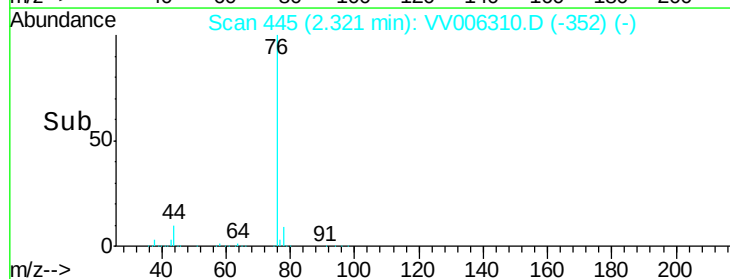
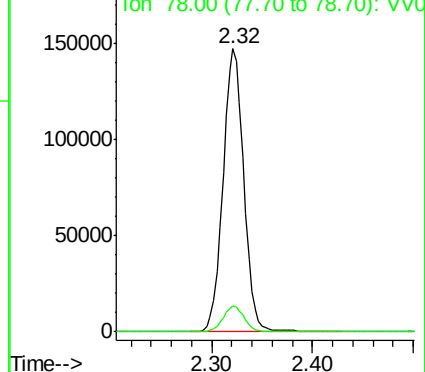
76 100

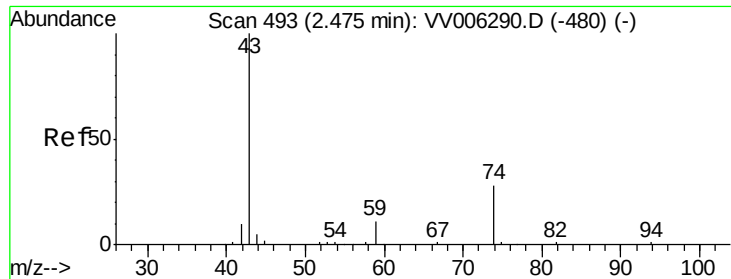
78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

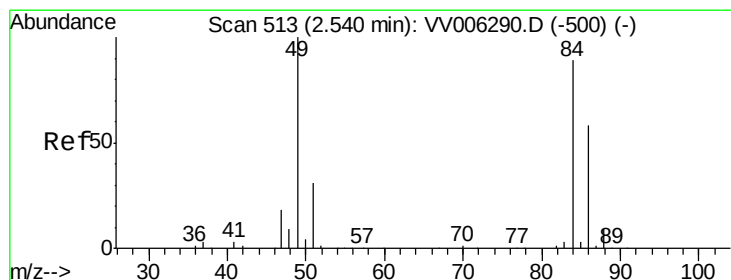
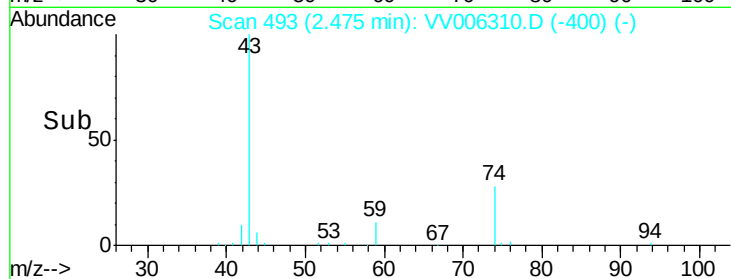
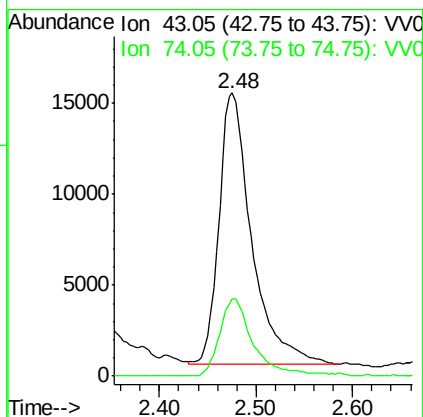
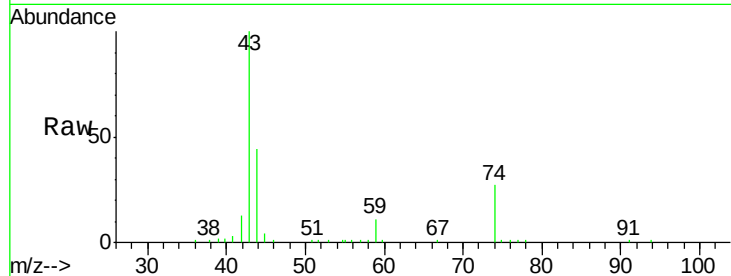




#15
Methyl Acetate
Concen: 6.005 ug/L
RT: 2.48 min Scan# 493
Delta R.T. 0.00 min
Lab File: VV006310.D
Acq: 16 Jun 2018 04:59

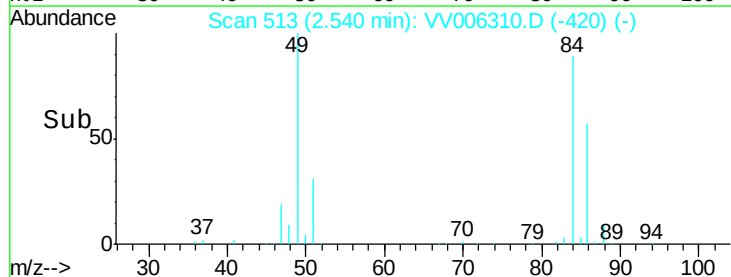
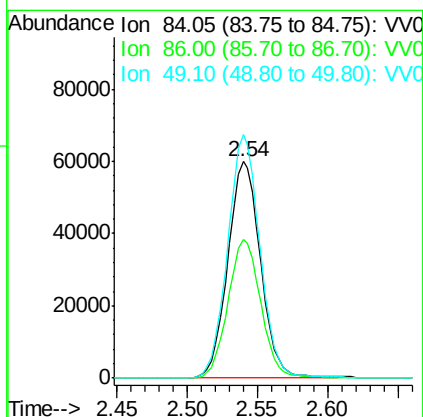
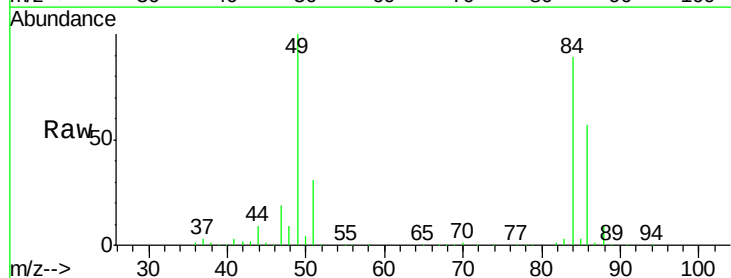
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

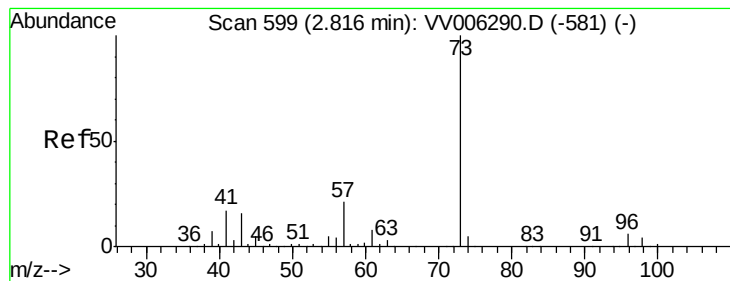
Tgt Ion: 43 Resp: 35064
Ion Ratio Lower Upper
43 100
74 29.6 23.4 35.0



#16
Methylene chloride
Concen: 4.922 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006310.D
Acq: 16 Jun 2018 04:59

Tgt Ion: 84 Resp: 97368
Ion Ratio Lower Upper
84 100
86 64.1 44.2 82.0
49 112.4 78.8 146.4





#17

Methyl tert-butyl Ether

Concen: 5.270 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

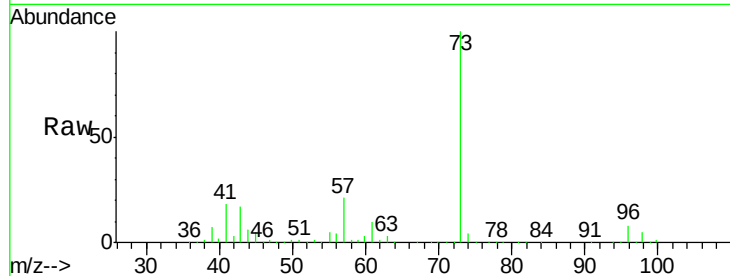
Tgt Ion: 73 Resp: 233650

Ion Ratio Lower Upper

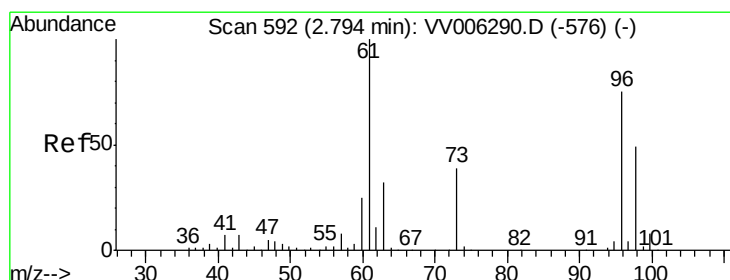
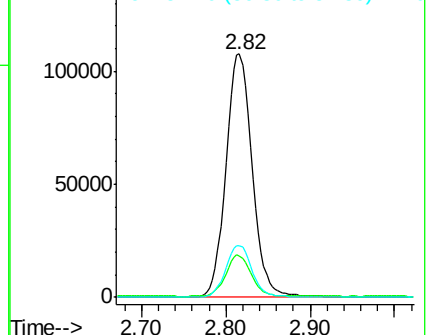
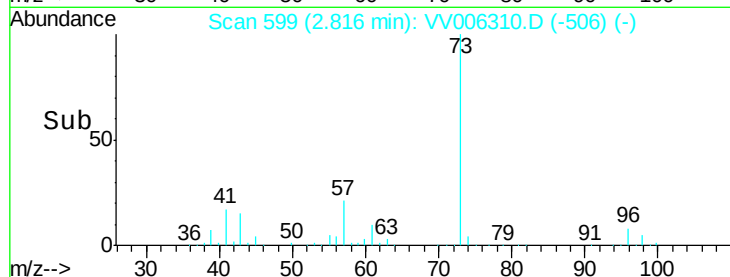
73 100

43 16.3 14.2 21.4

57 21.7 16.8 25.2



Abundance Ion 73.10 (72.80 to 73.80): VV006310.D (-506) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.840 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

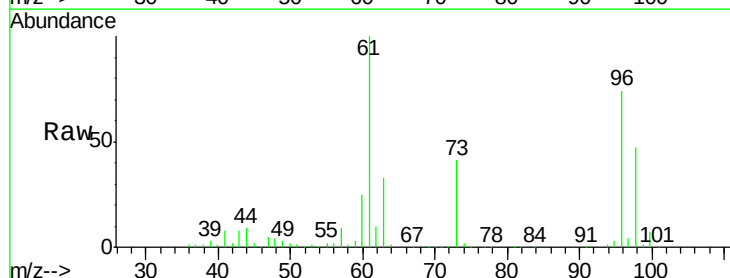
Tgt Ion: 96 Resp: 94607

Ion Ratio Lower Upper

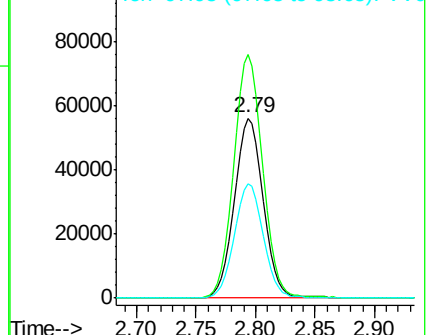
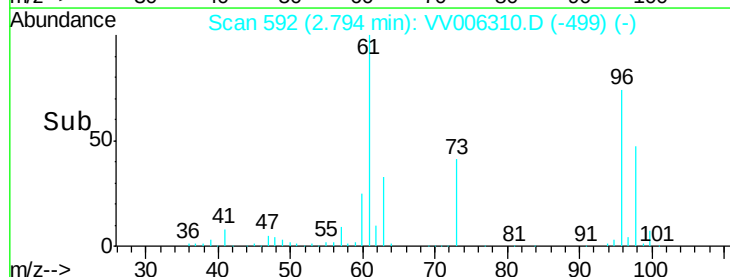
96 100

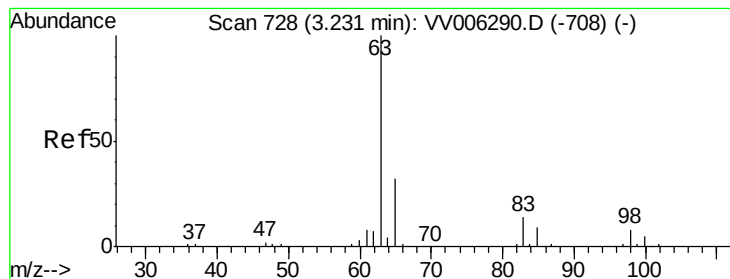
61 135.5 96.3 178.9

98 64.0 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VV006310.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 4.992 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

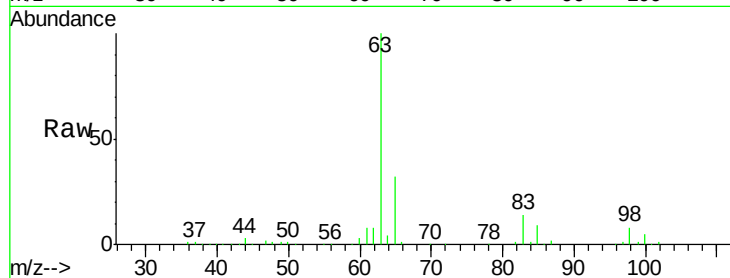
Tgt Ion: 63 Resp: 164136

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.3

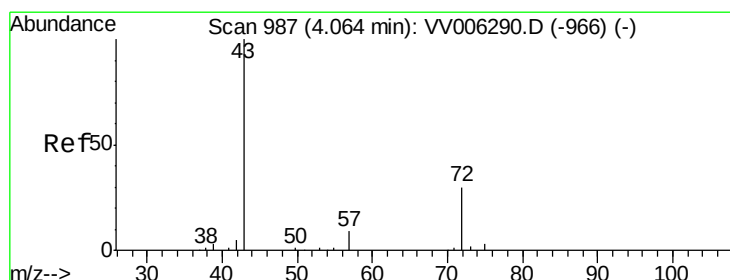
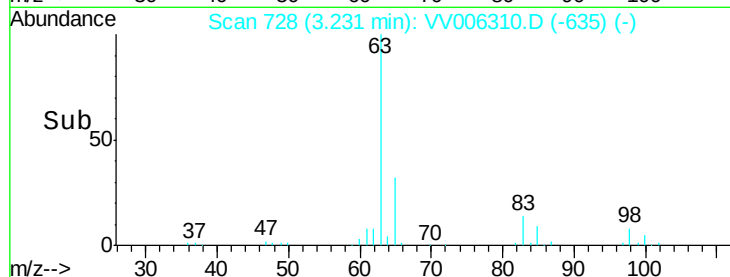
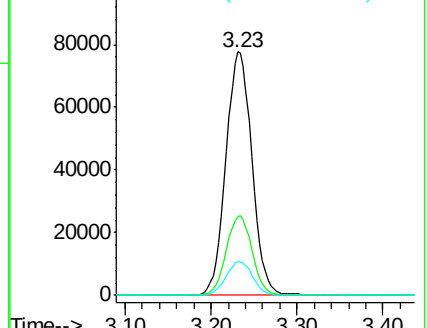
83 13.8 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 58.219 ug/L

RT: 4.06 min Scan# 987

Delta R.T. 0.00 min

Lab File: VV006310.D

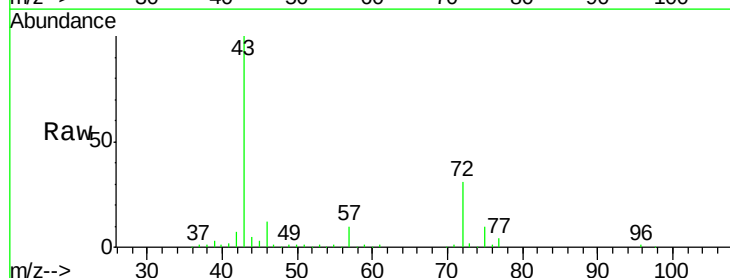
Acq: 16 Jun 2018 04:59

Tgt Ion: 43 Resp: 207805

Ion Ratio Lower Upper

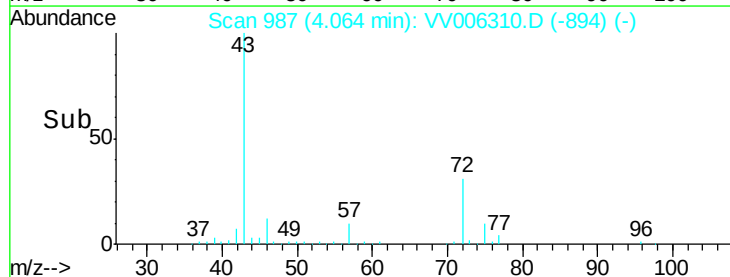
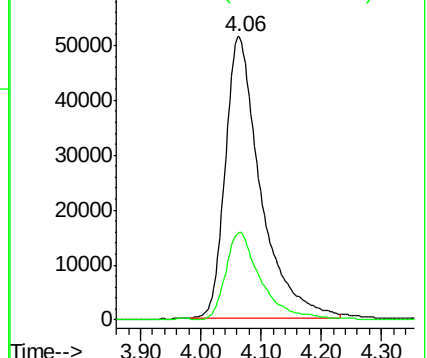
43 100

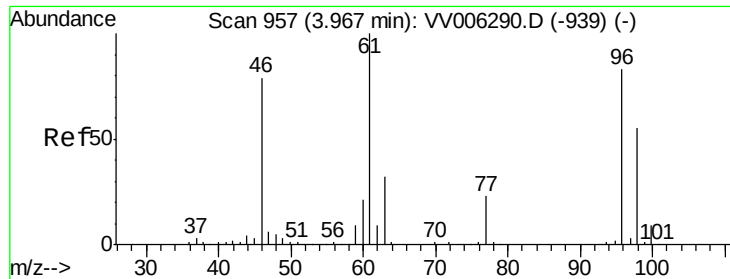
72 31.4 13.8 41.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



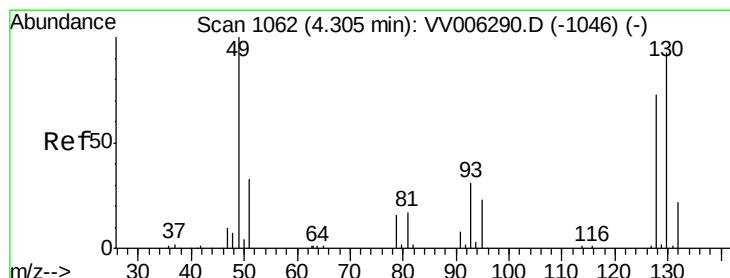
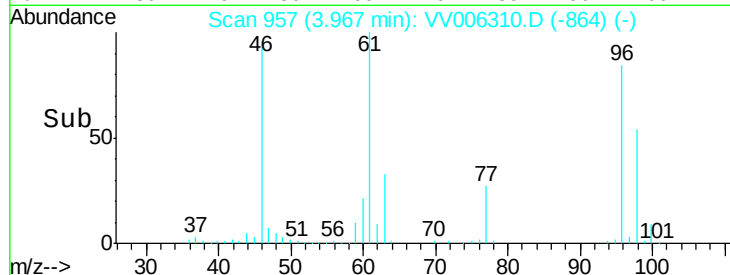
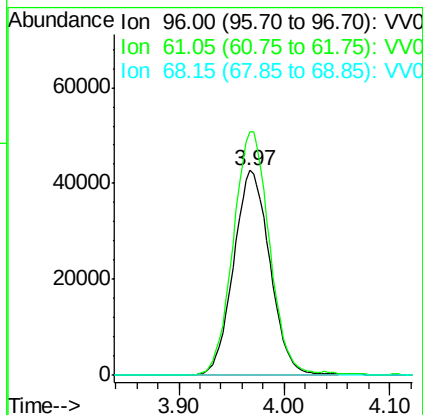
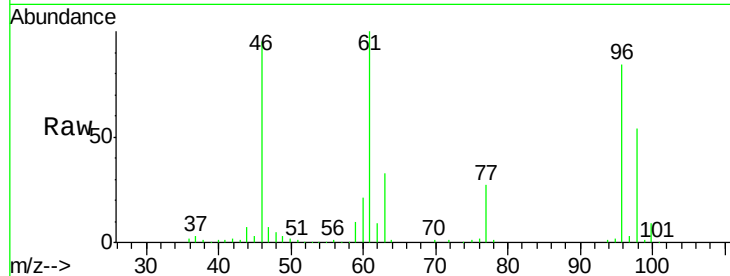


#22

cis-1,2-Dichloroethene
Concen: 4.839 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006310.D
Acq: 16 Jun 2018 04:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

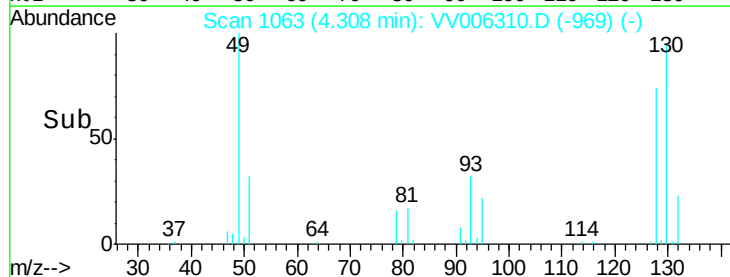
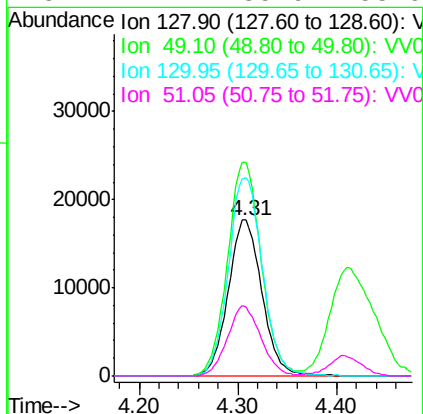
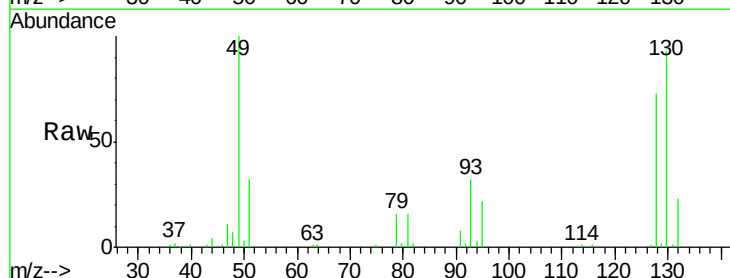
Tgt Ion: 96 Resp: 102361
Ion Ratio Lower Upper
96 100
61 119.0 84.1 156.3
68 0.0 0.3 0.5#

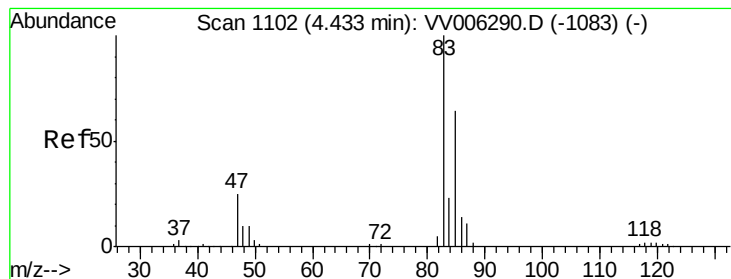


#23

Bromochloromethane
Concen: 4.975 ug/L
RT: 4.31 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VV006310.D
Acq: 16 Jun 2018 04:59

Tgt Ion: 128 Resp: 42211
Ion Ratio Lower Upper
128 100
49 136.6 97.1 180.3
130 127.3 86.6 160.8
51 44.2 35.9 53.9





#25

Chloroform

Concen: 4.915 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

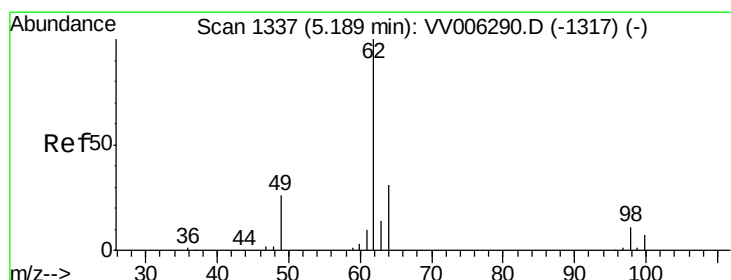
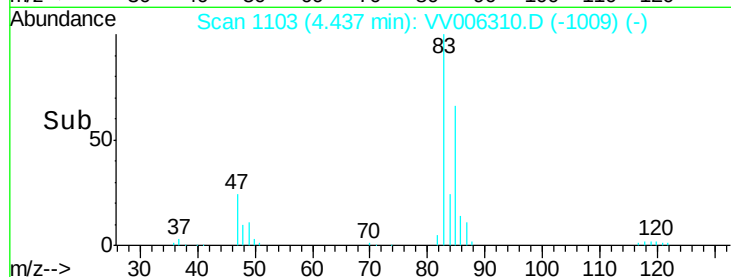
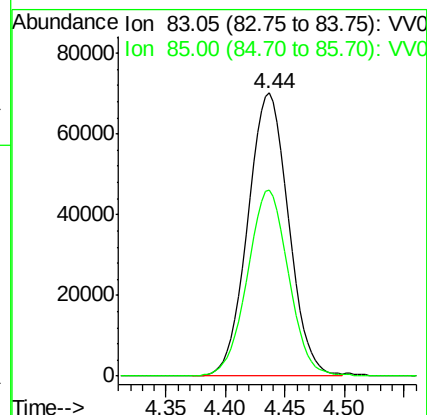
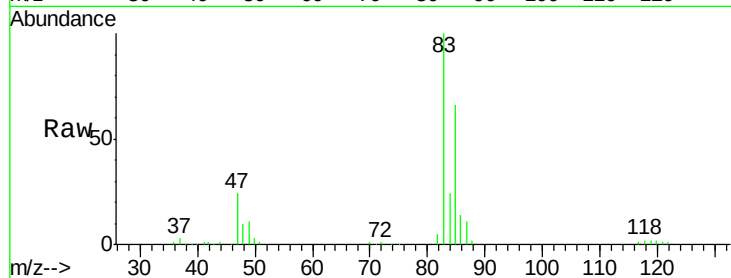
VSTD05047

Tgt Ion: 83 Resp: 166888

Ion Ratio Lower Upper

83 100

85 65.7 46.2 85.8



#27

1,2-Dichloroethane

Concen: 5.057 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV006310.D

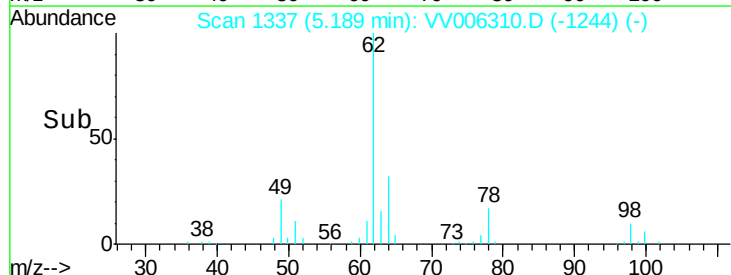
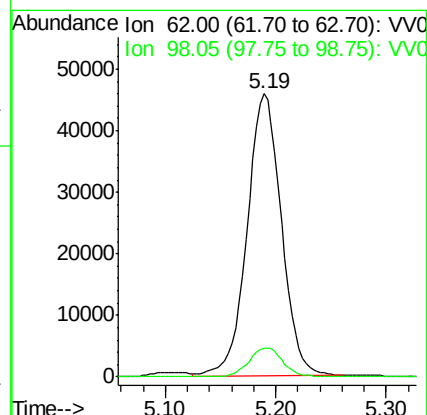
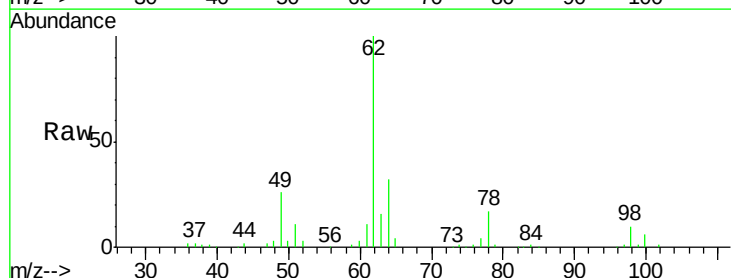
Acq: 16 Jun 2018 04:59

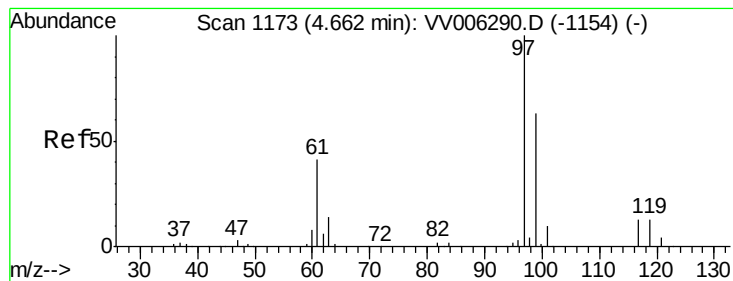
Tgt Ion: 62 Resp: 98586

Ion Ratio Lower Upper

62 100

98 9.9 8.6 12.8





#29

1,1,1-Trichloroethane

Concen: 4.413 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

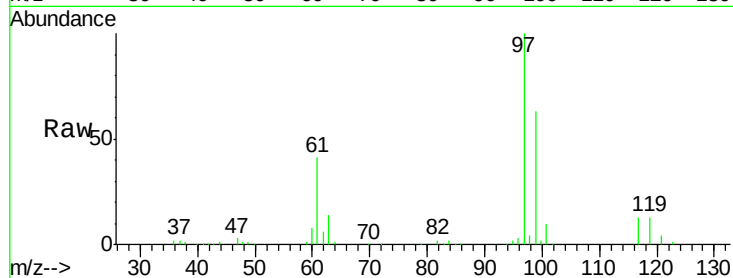
Tgt Ion: 97 Resp: 139839

Ion Ratio Lower Upper

97 100

99 63.9 51.5 77.3

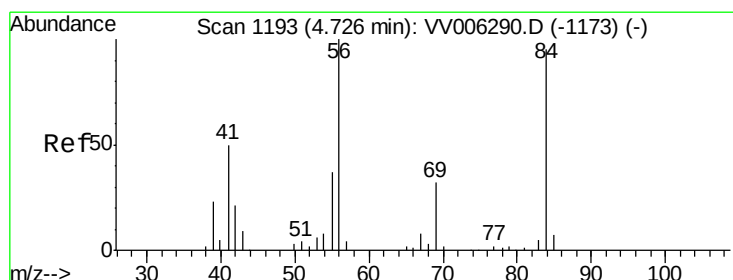
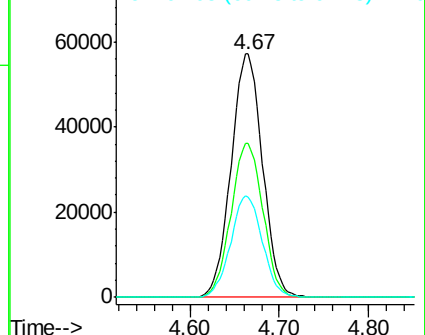
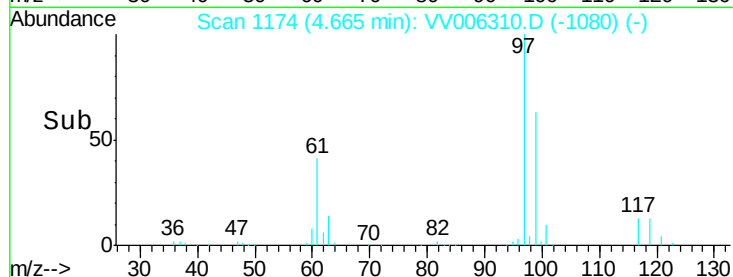
61 42.2 33.7 50.5



Abundance Ion 96.95 (96.65 to 97.65): VV006310.D (-1080) (-)

Ion 99.05 (98.75 to 99.75): VV006310.D (-1080) (-)

Ion 61.05 (60.75 to 61.75): VV006310.D (-1080) (-)



#30

Cyclohexane

Concen: 3.997 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

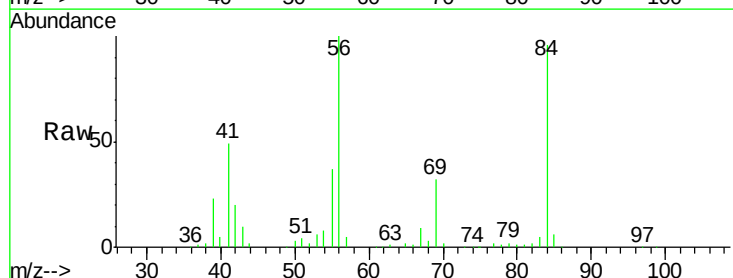
Tgt Ion: 56 Resp: 130261

Ion Ratio Lower Upper

56 100

69 32.5 26.4 39.6

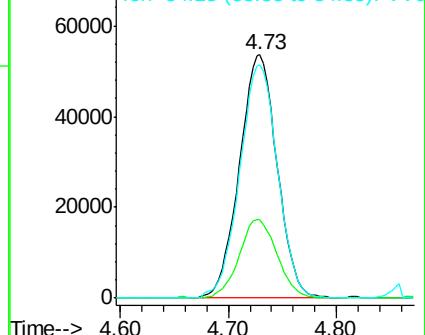
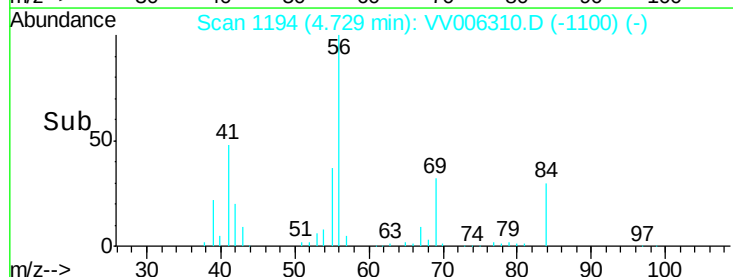
84 96.3 78.9 118.3

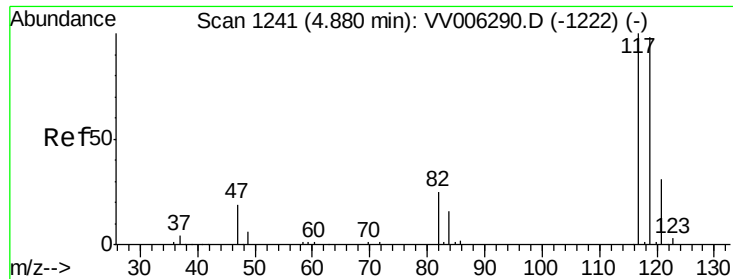


Abundance Ion 56.10 (55.80 to 56.80): VV006310.D (-1100) (-)

Ion 69.15 (68.85 to 69.85): VV006310.D (-1100) (-)

Ion 84.15 (83.85 to 84.85): VV006310.D (-1100) (-)





#31

Carbon tetrachloride

Concen: 4.095 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampled :

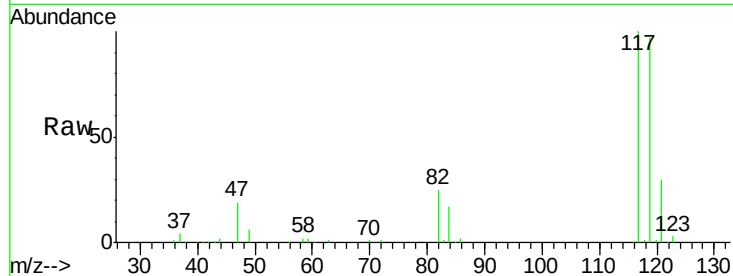
VSTD05047

Tgt Ion:117 Resp: 114447

Ion Ratio Lower Upper

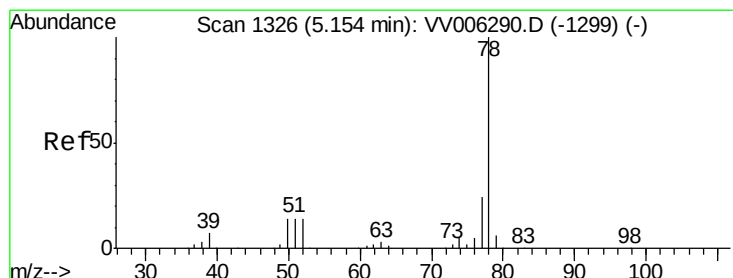
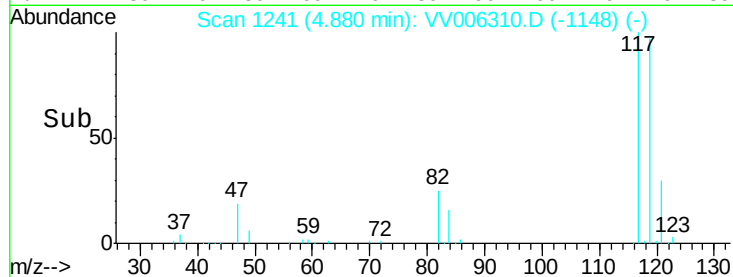
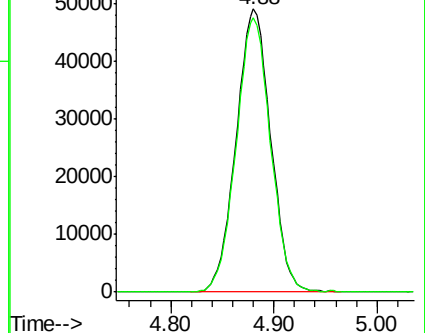
117 100

119 96.4 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.704 ug/L

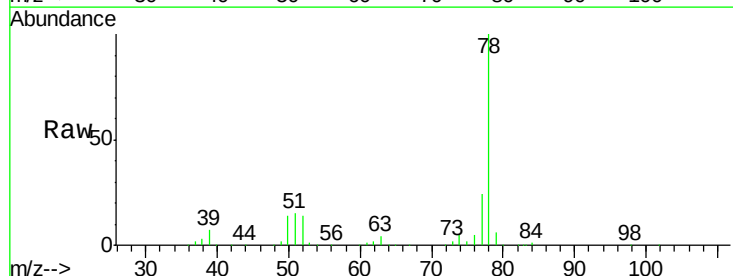
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

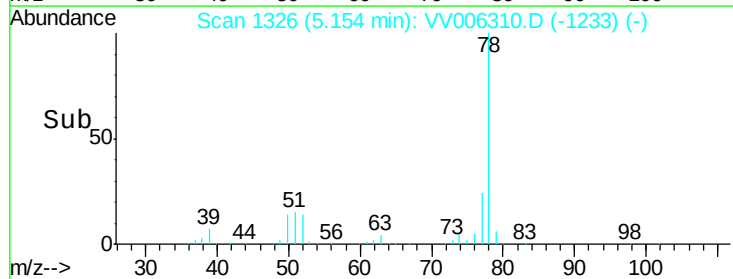
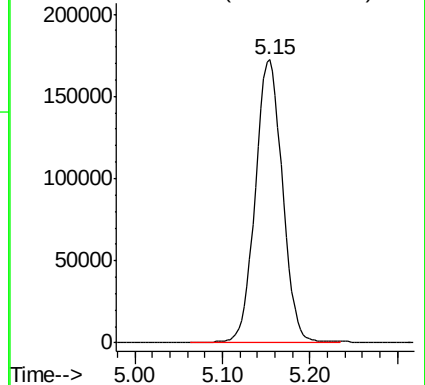
Lab File: VV006310.D

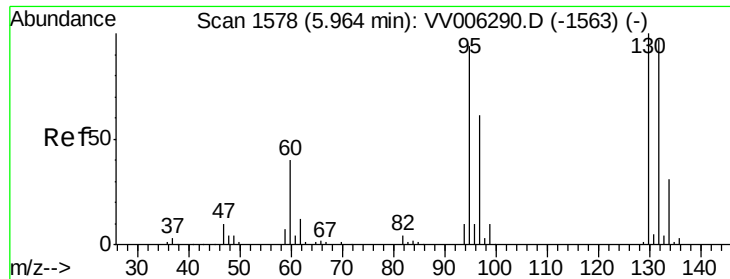
Acq: 16 Jun 2018 04:59

Tgt Ion: 78 Resp: 372002



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.721 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

Tgt Ion: 95 Resp: 101902

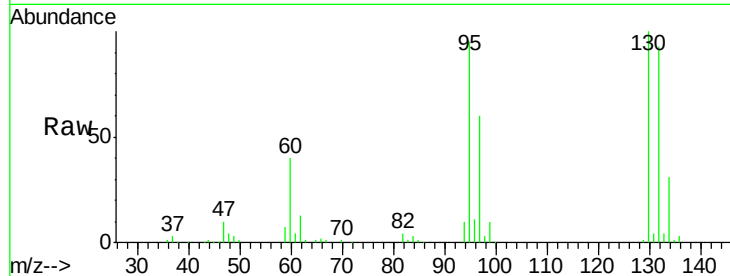
Ion Ratio Lower Upper

95 100

97 63.4 45.1 83.9

132 98.0 69.0 128.1

130 105.1 72.8 135.2

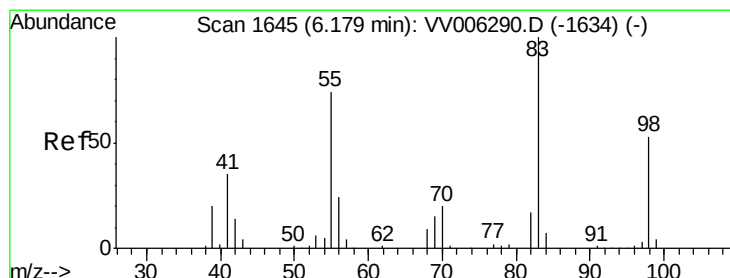
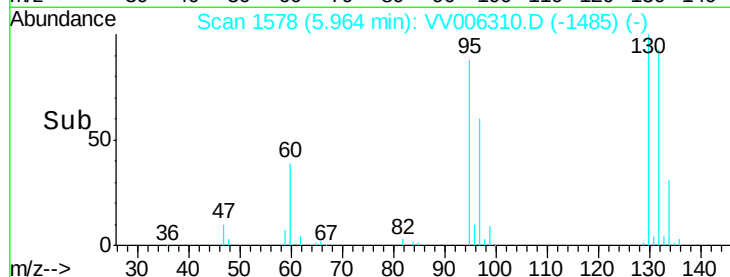
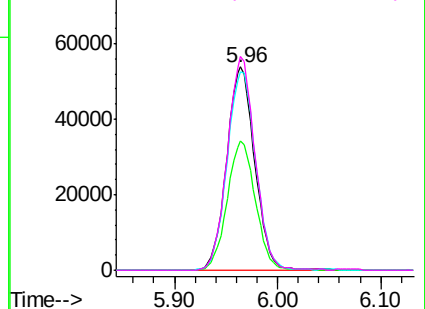


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 3.872 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

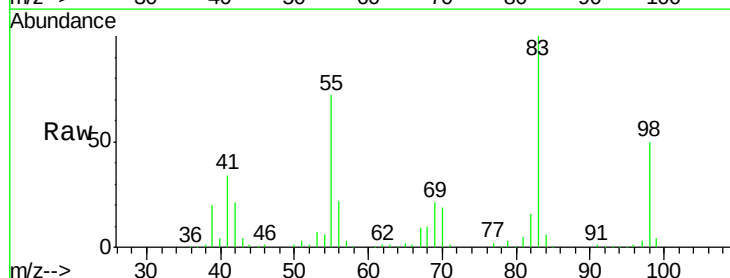
Tgt Ion: 83 Resp: 143656

Ion Ratio Lower Upper

83 100

55 70.8 57.5 86.3

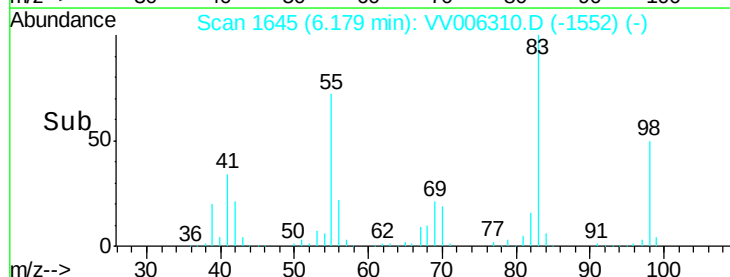
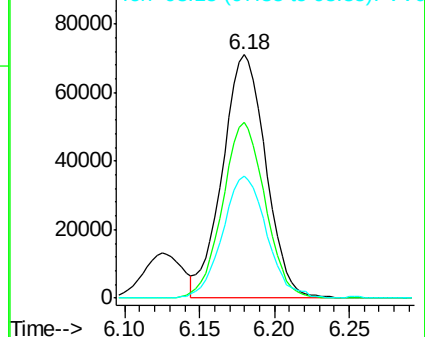
98 51.1 39.8 59.8

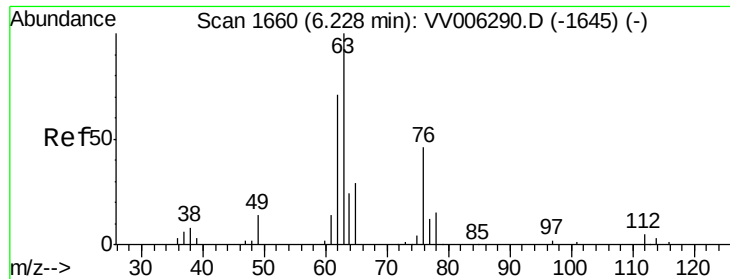


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

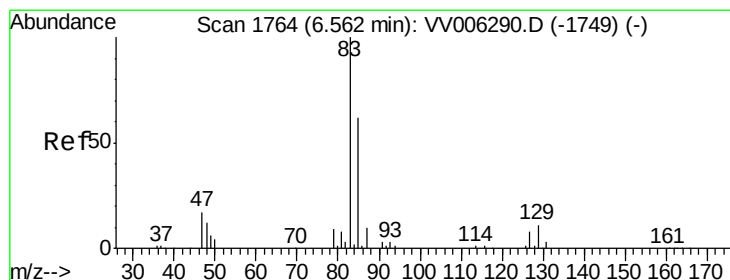
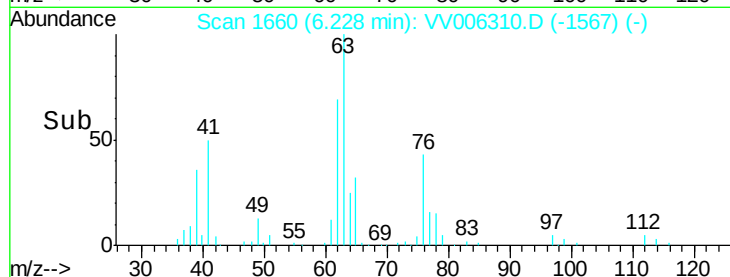
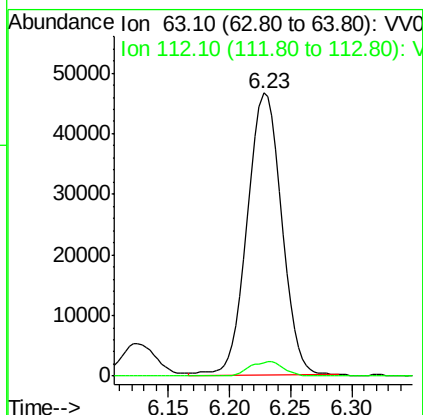
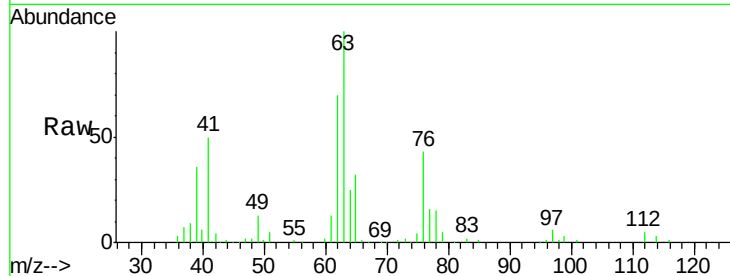




#37
 1,2-Dichloropropane
 Concen: 4.791 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006310.D
 Acq: 16 Jun 2018 04:59

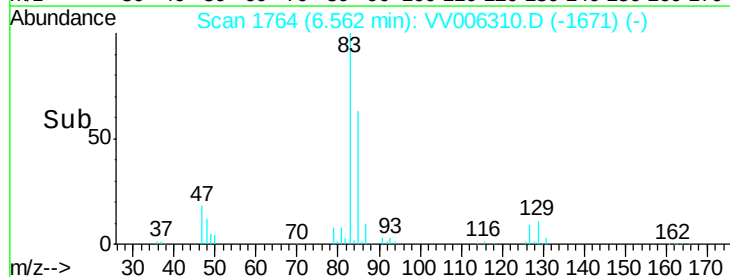
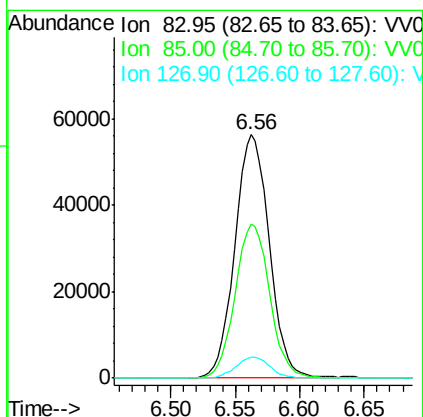
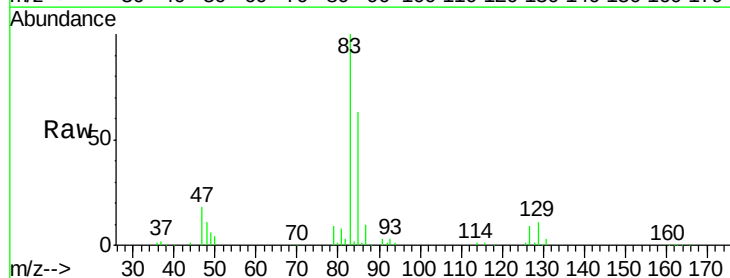
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05047

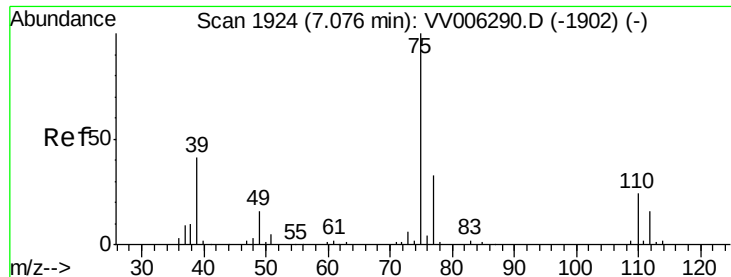
Tgt Ion: 63 Resp: 90766
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.156 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006310.D
 Acq: 16 Jun 2018 04:59

Tgt Ion: 83 Resp: 104841
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.9 83.5
 127 8.5 7.0 10.4

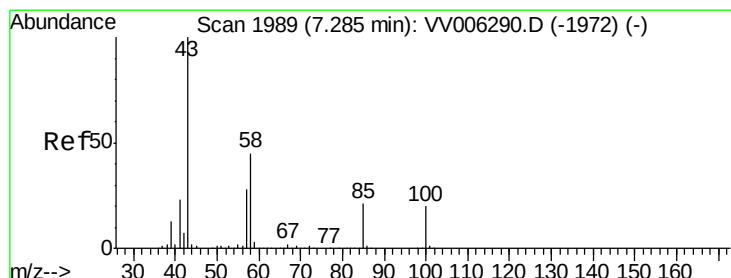
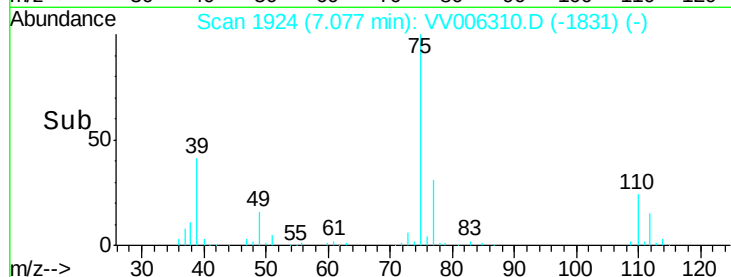
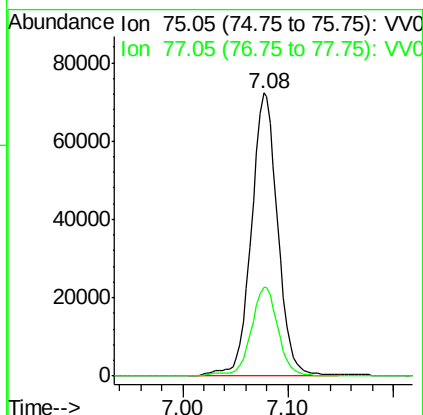
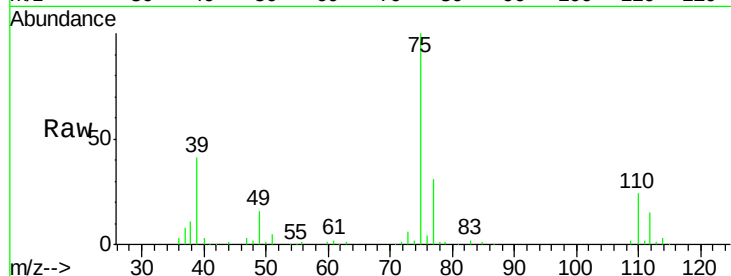




#39
 cis-1,3-Dichloropropene
 Concen: 4.094 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006310.D
 Acq: 16 Jun 2018 04:59

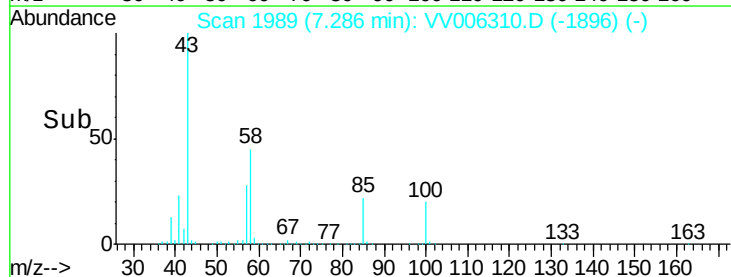
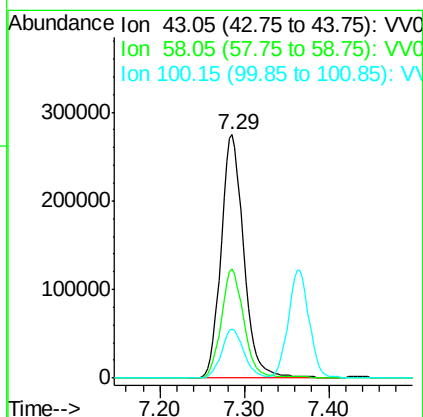
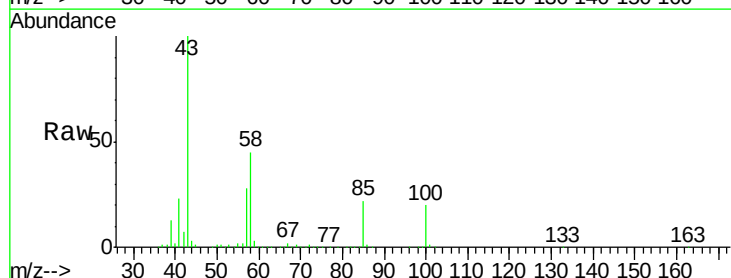
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

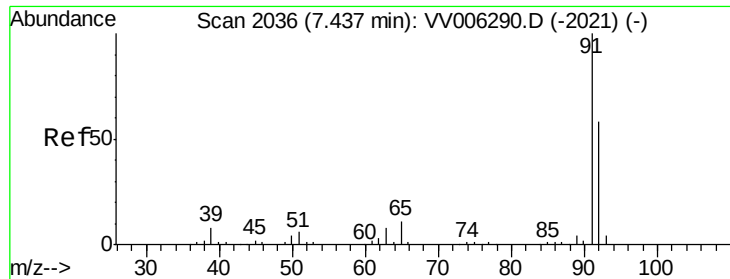
Tgt Ion: 75 Resp: 126420
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 52.329 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006310.D
 Acq: 16 Jun 2018 04:59

Tgt Ion: 43 Resp: 512738
 Ion Ratio Lower Upper
 43 100
 58 44.6 36.0 54.0
 100 19.8 15.4 23.2





#42

Toluene

Concen: 4.670 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

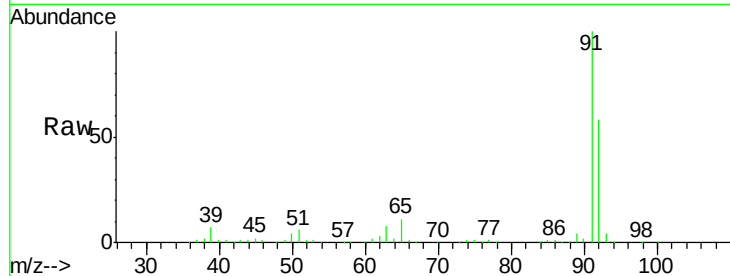
VSTD05047

Tgt Ion: 91 Resp: 407617

Ion Ratio Lower Upper

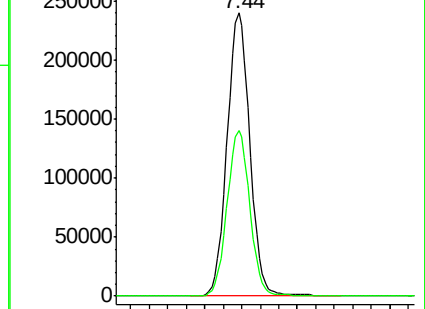
91 100

92 58.3 41.1 76.3

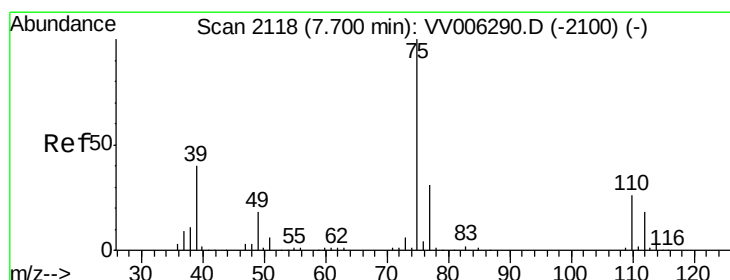
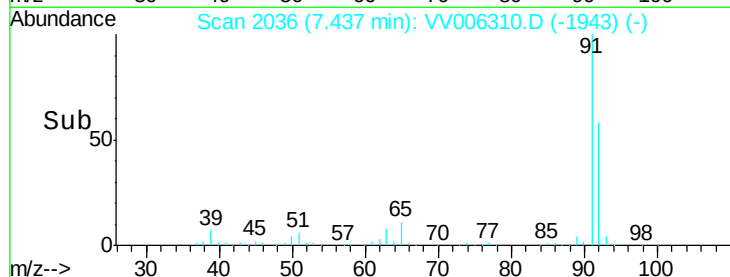


Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 3.958 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006310.D

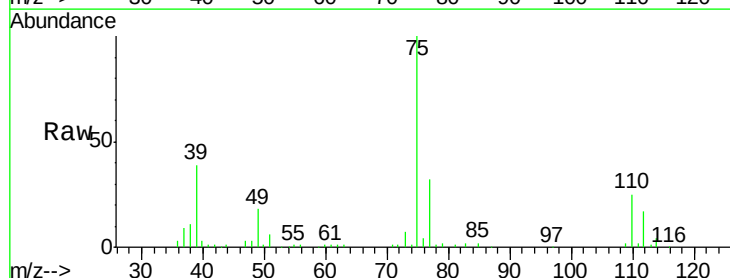
Acq: 16 Jun 2018 04:59

Tgt Ion: 75 Resp: 99125

Ion Ratio Lower Upper

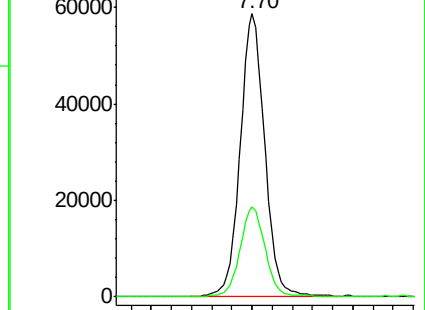
75 100

77 31.8 23.0 42.6

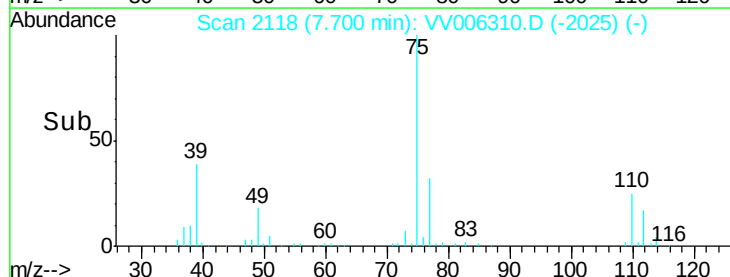


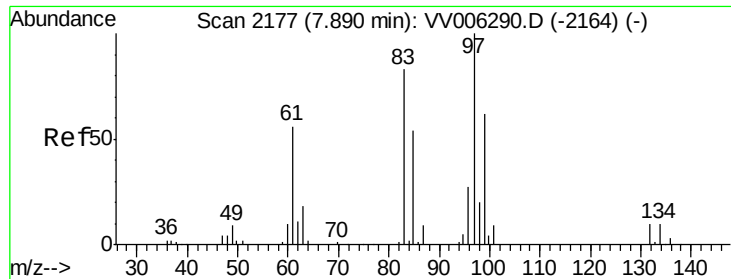
Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



Time-->

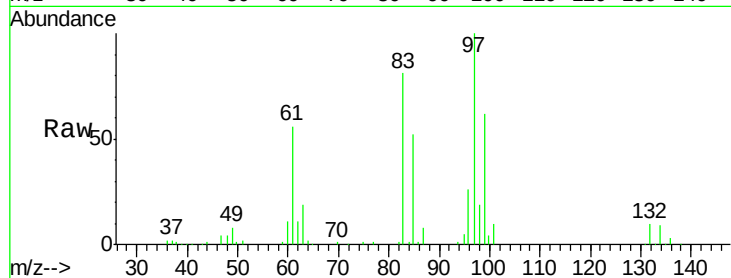




#45
 1,1,2-Trichloroethane
 Concen: 5.118 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006310.D
 Acq: 16 Jun 2018 04:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion:	97	Resp:	68618
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.8	81.3
83	81.0	58.2	108.2
85	52.1	39.3	73.1



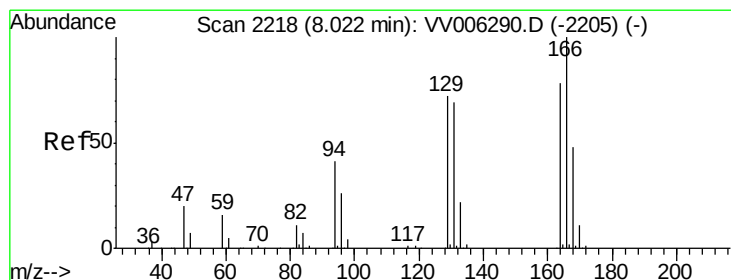
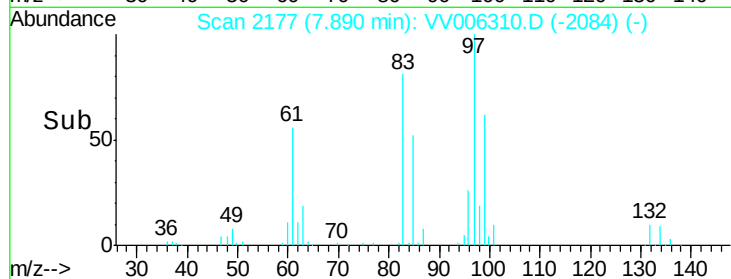
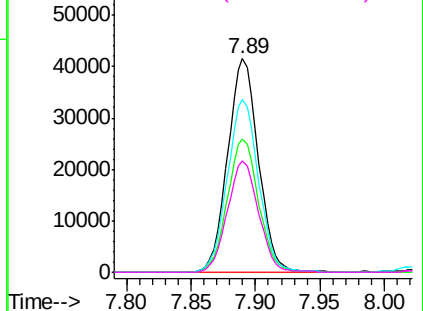
Abundance

Ion 96.95 (96.65 to 97.65): VV006310.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006310.D (-2084) (-)

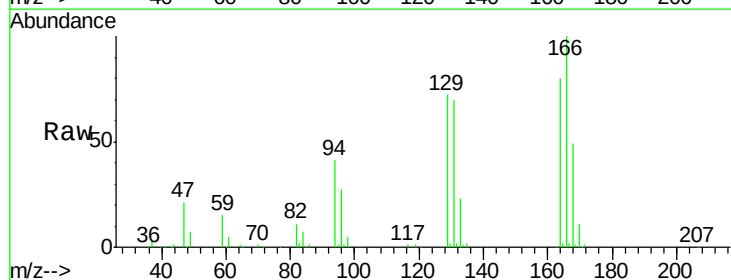
Ion 82.95 (82.65 to 83.65): VV006310.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006310.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 4.676 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006310.D
 Acq: 16 Jun 2018 04:59

Tgt Ion:	164	Resp:	80786
Ion	Ratio	Lower	Upper
164	100		
129	90.2	62.7	116.5
131	88.2	61.0	113.2
166	125.6	89.5	166.3



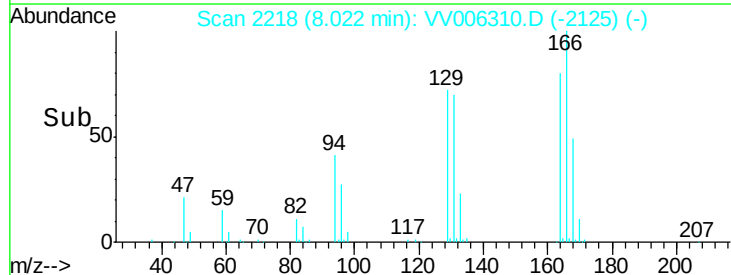
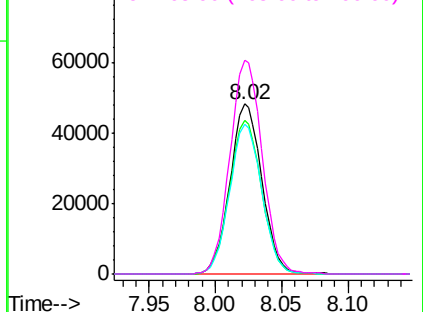
Abundance

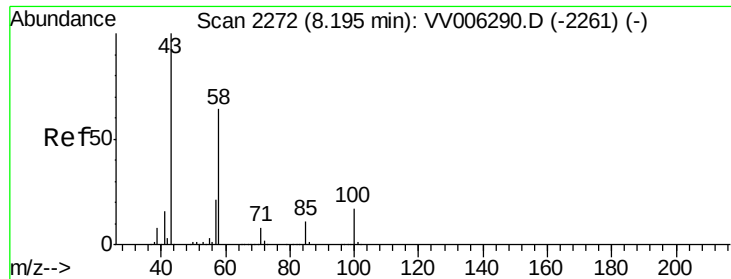
Ion 163.90 (163.60 to 164.60): VV006310.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006310.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006310.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006310.D (-2125) (-)

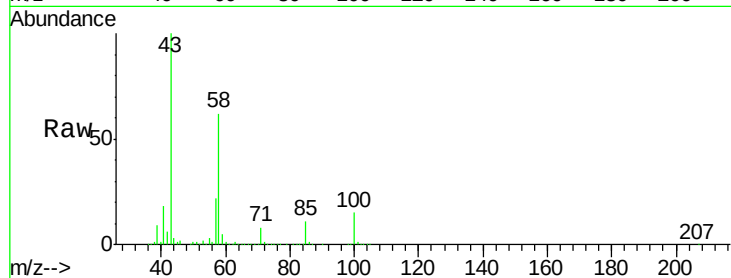




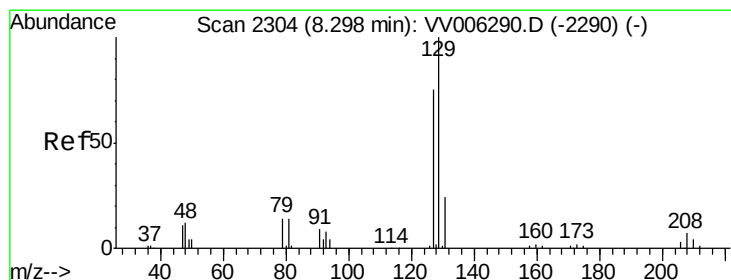
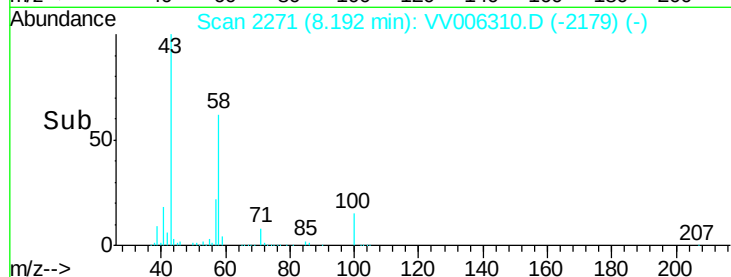
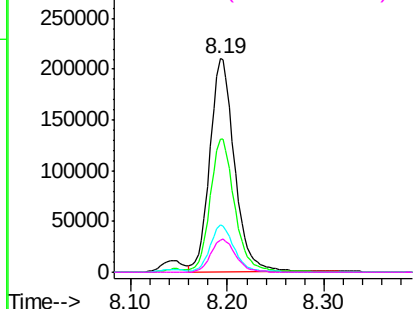
#48
2-Hexanone
Concen: 54.101 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006310.D
Acq: 16 Jun 2018 04:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Tgt Ion: 43 Resp: 372563
Ion Ratio Lower Upper
43 100
58 61.9 48.6 72.8
57 21.6 17.5 26.3
100 15.7 12.6 18.8

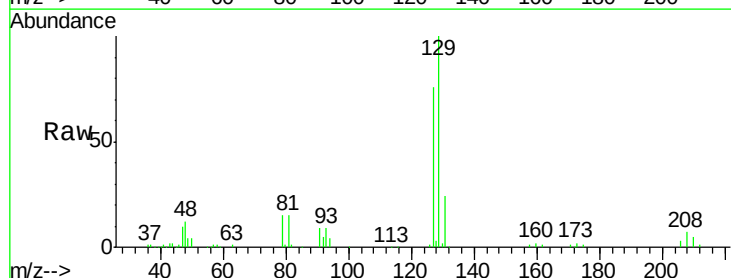


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

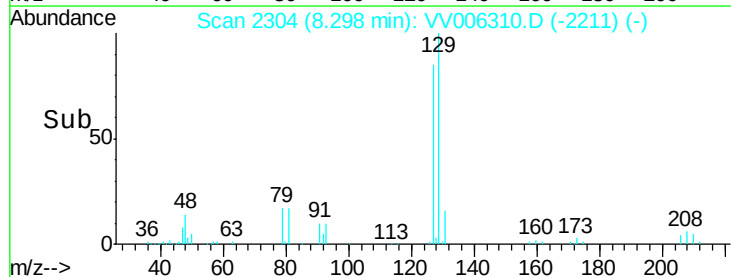
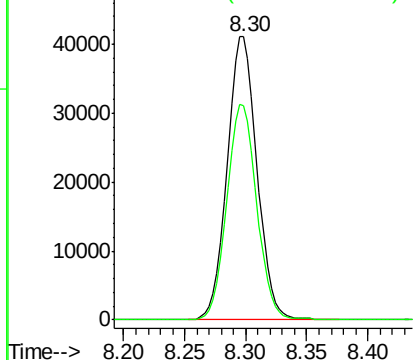


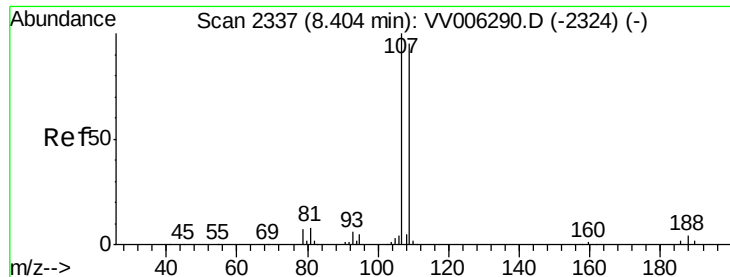
#49
Dibromochloromethane
Concen: 4.160 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006310.D
Acq: 16 Jun 2018 04:59

Tgt Ion: 129 Resp: 70231
Ion Ratio Lower Upper
129 100
127 75.9 55.2 102.4



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

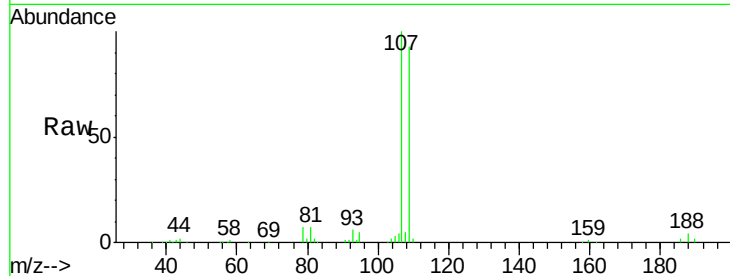




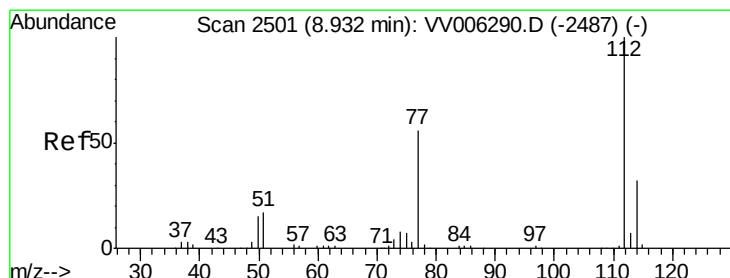
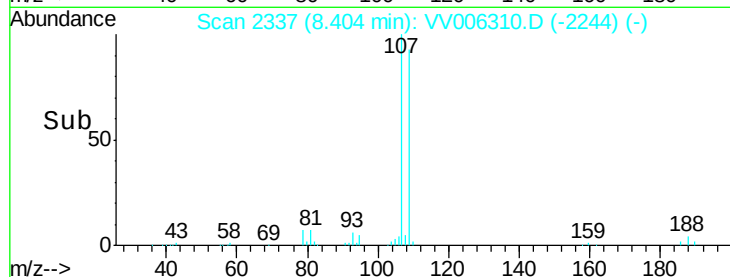
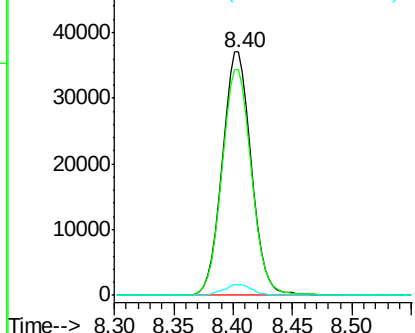
#50
1,2-Dibromoethane
Concen: 5.004 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006310.D
Acq: 16 Jun 2018 04:59

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Tgt Ion:107 Resp: 62521
Ion Ratio Lower Upper
107 100
109 92.9 66.8 124.2
188 4.4 3.4 5.0

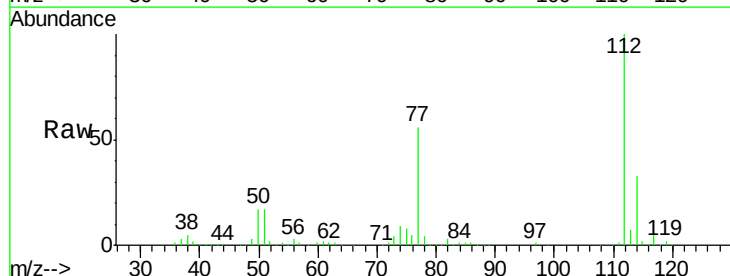


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

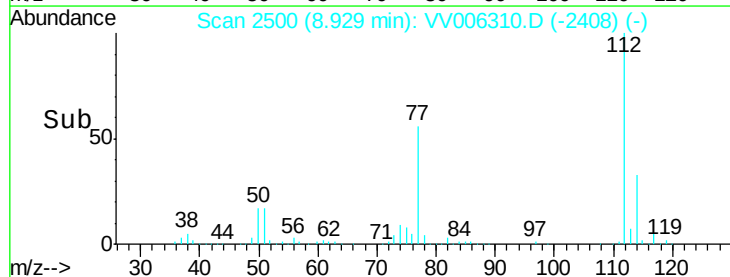
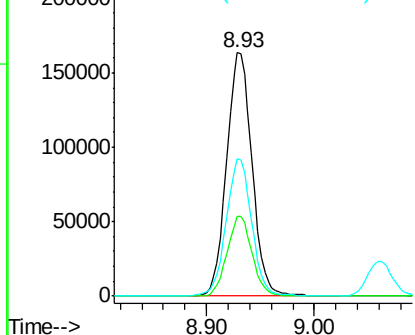


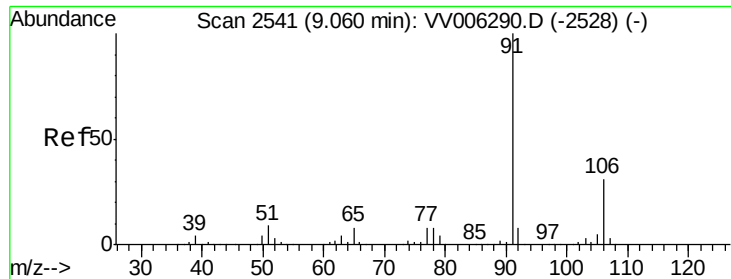
#51
Chlorobenzene
Concen: 4.815 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006310.D
Acq: 16 Jun 2018 04:59

Tgt Ion:112 Resp: 269823
Ion Ratio Lower Upper
112 100
114 32.6 22.2 41.2
77 56.2 45.2 67.8



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: 4.615 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

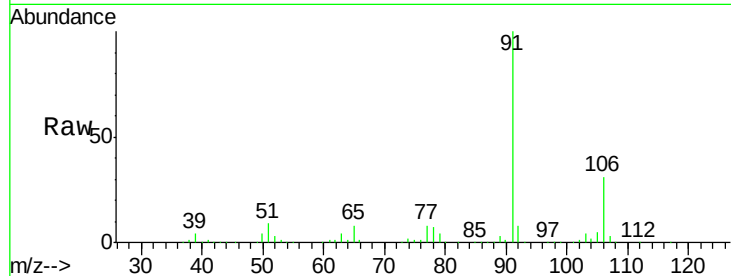
VSTD05047

Tgt Ion: 91 Resp: 448757

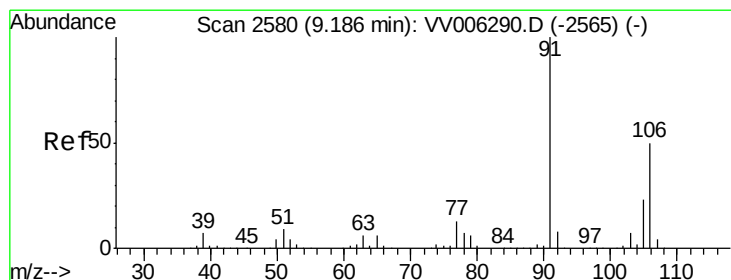
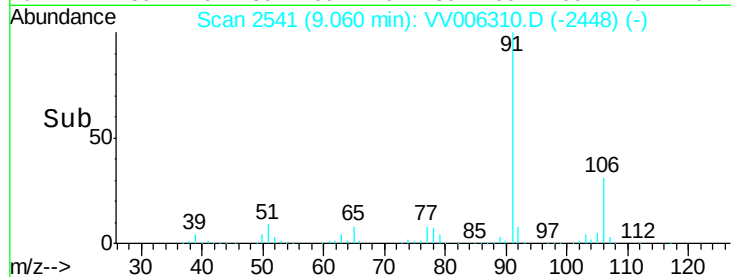
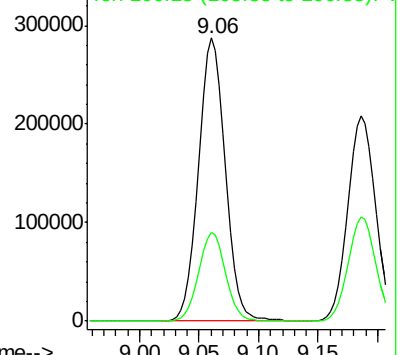
Ion Ratio Lower Upper

91 100

106 31.4 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV006310.D (-2448) (-)



#53

m,p-xylene

Concen: 4.544 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006310.D

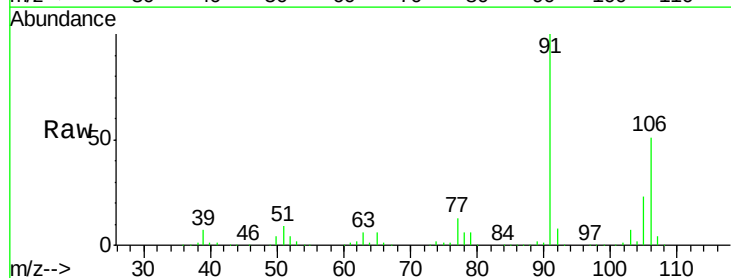
Acq: 16 Jun 2018 04:59

Tgt Ion: 106 Resp: 172375

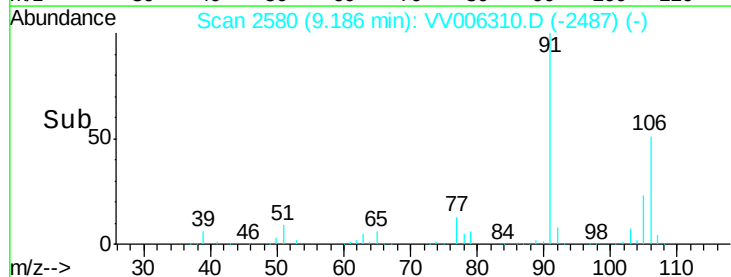
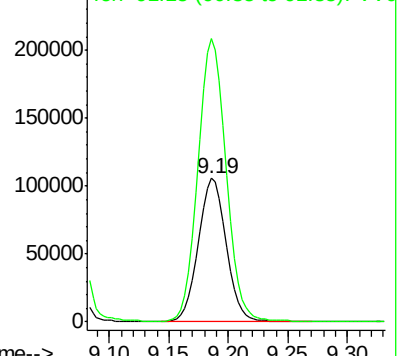
Ion Ratio Lower Upper

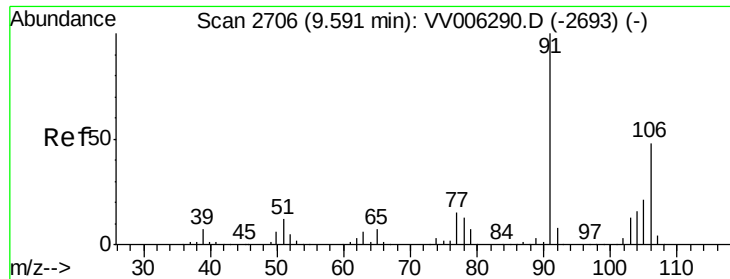
106 100

91 197.6 139.7 259.4



Abundance Ion 106.15 (105.85 to 106.85): VV006310.D (-2487) (-)





#54

o-xylene

Concen: 4.662 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

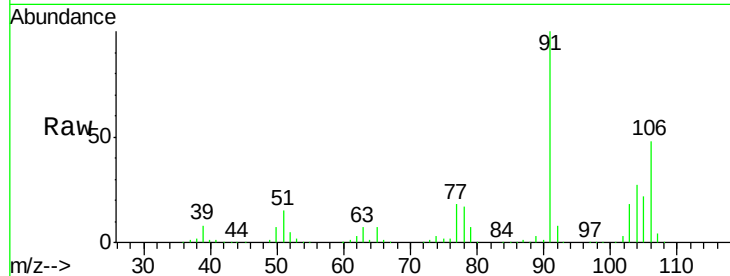
VSTD05047

Tgt Ion:106 Resp: 172954

Ion Ratio Lower Upper

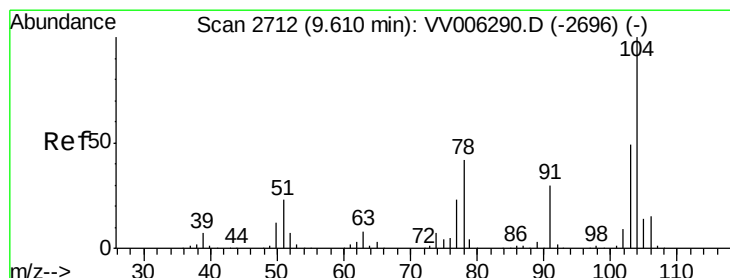
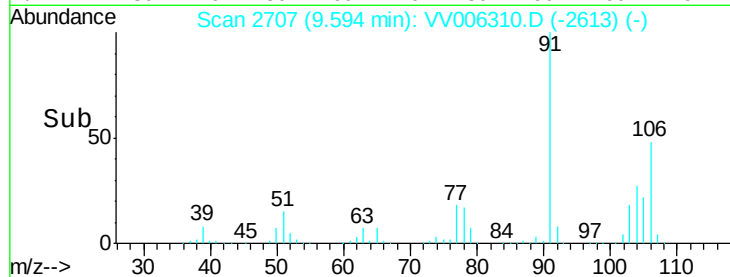
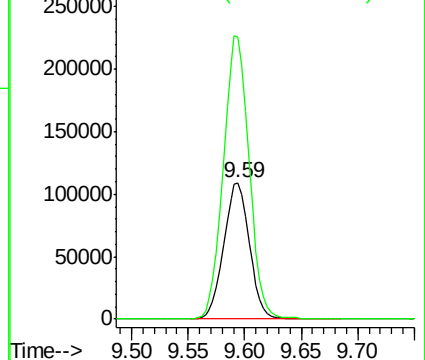
106 100

91 206.4 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.688 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006310.D

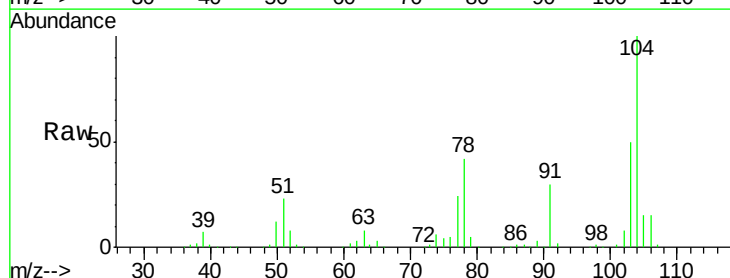
Acq: 16 Jun 2018 04:59

Tgt Ion:104 Resp: 286079

Ion Ratio Lower Upper

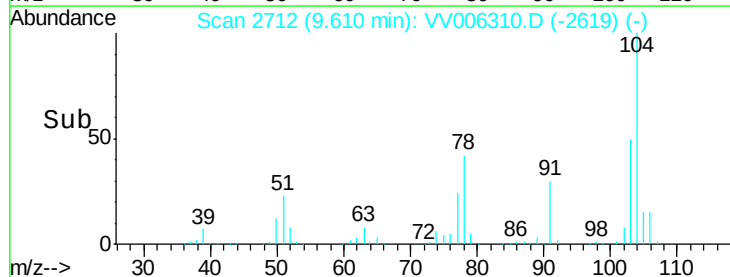
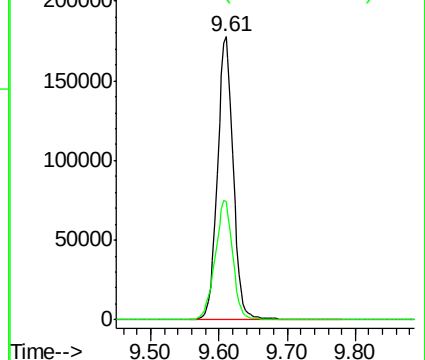
104 100

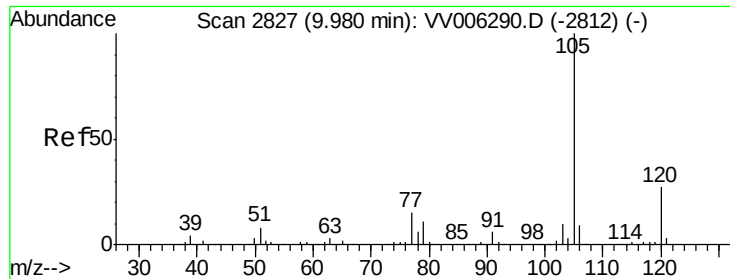
78 41.9 30.6 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.577 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

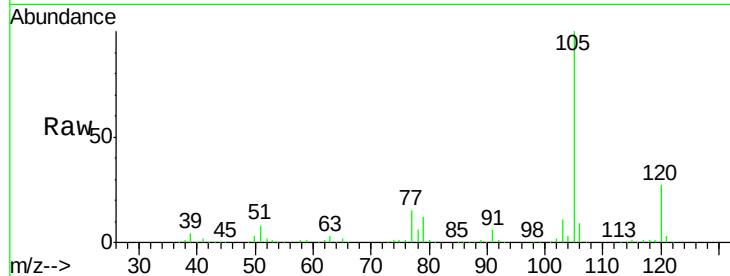
Tgt Ion: 105 Resp: 447207

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

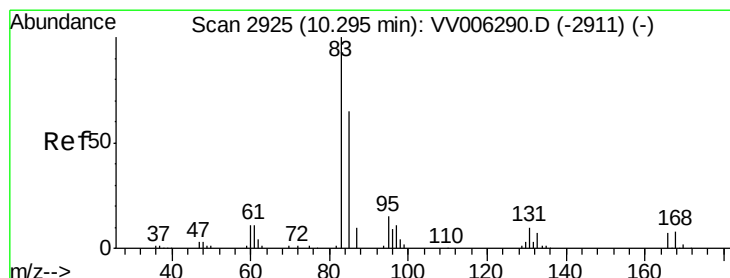
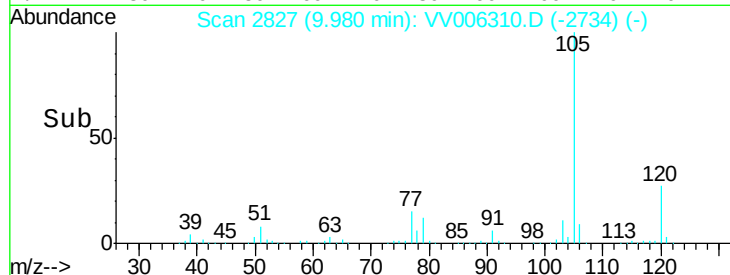
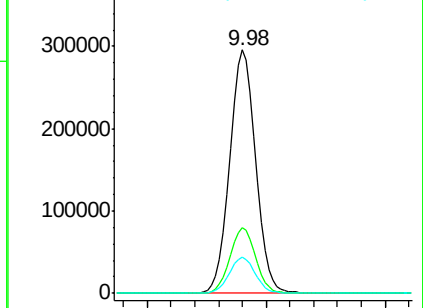
77 15.0 11.9 17.9



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: 4.814 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

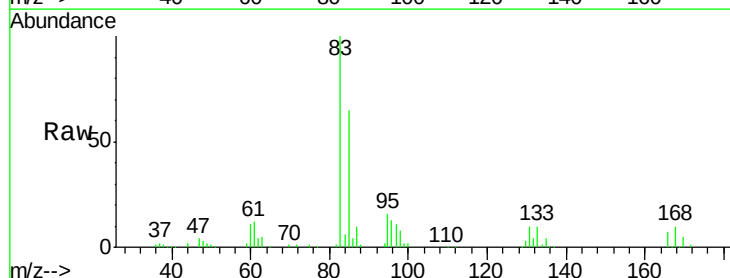
Tgt Ion: 83 Resp: 73931

Ion Ratio Lower Upper

83 100

85 65.4 45.0 83.6

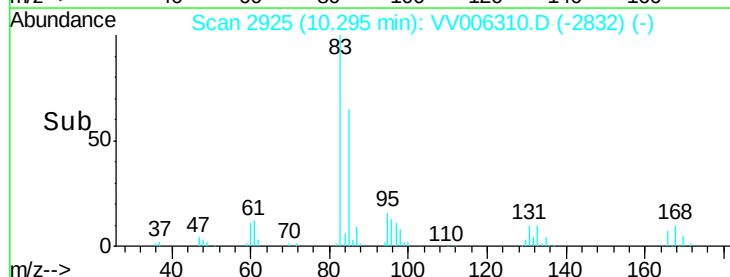
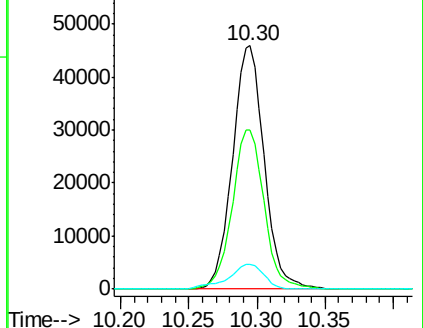
131 10.4 8.3 12.5

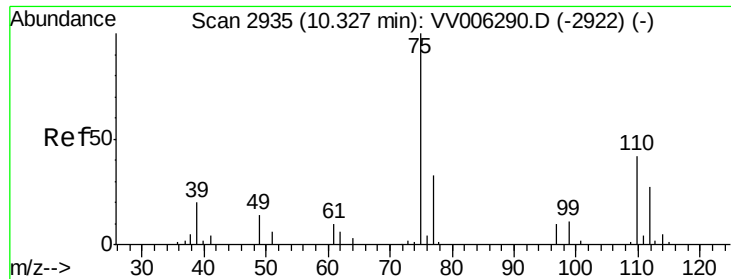


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.159 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

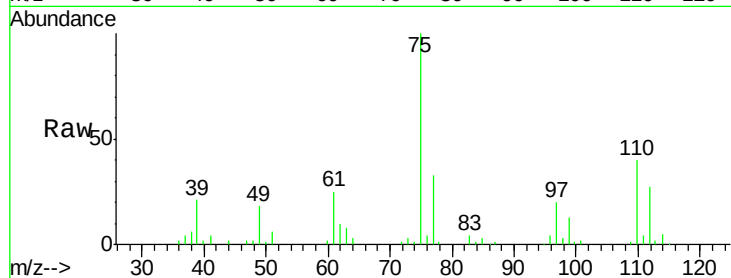
VSTD05047

Tgt Ion: 75 Resp: 55066

Ion Ratio Lower Upper

75 100

77 33.9 25.7 38.5

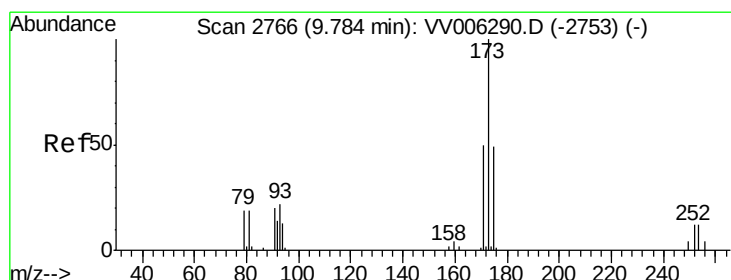
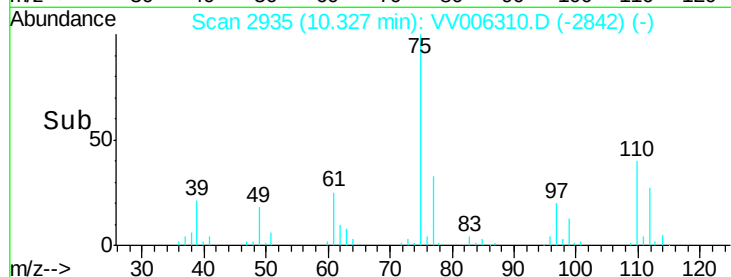


Abundance Ion 75.00 (74.70 to 75.70): VV006290.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006290.D (-2922) (-)

10.33

Time-->



#61

Bromoform

Concen: 3.700 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

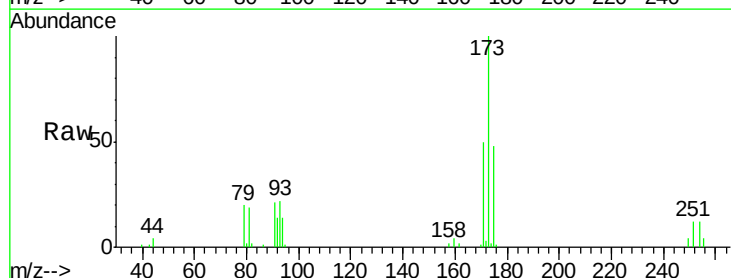
Tgt Ion: 173 Resp: 34621

Ion Ratio Lower Upper

173 100

175 48.4 39.3 58.9

254 11.8 9.1 13.7



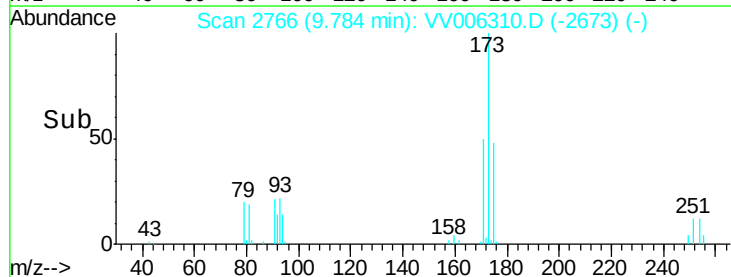
Abundance Ion 172.90 (172.60 to 173.60): VV006290.D (-2753) (-)

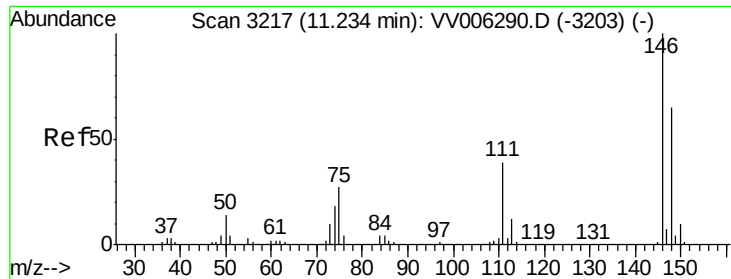
Ion 174.90 (174.60 to 175.60): VV006290.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006290.D (-2753) (-)

9.78

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.763 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

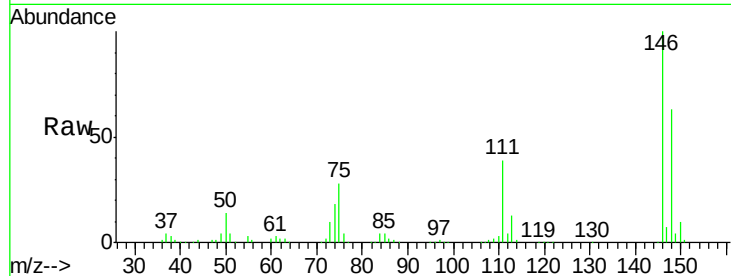
Tgt Ion:146 Resp: 206922

Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.2

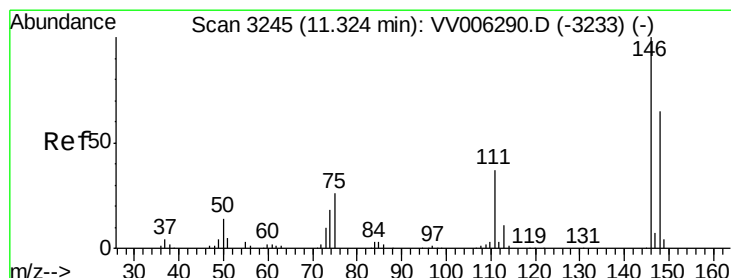
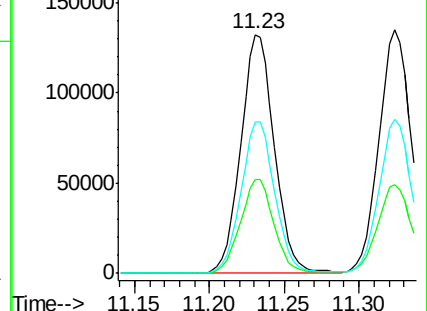
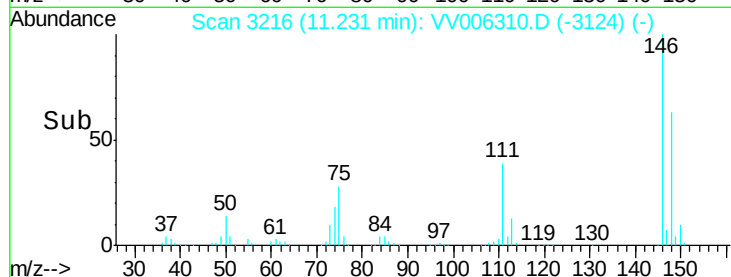
148 63.3 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.845 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

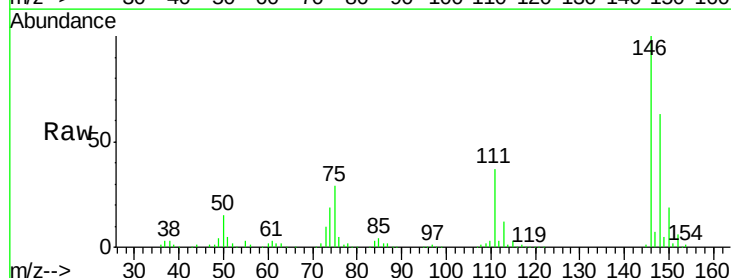
Tgt Ion:146 Resp: 208194

Ion Ratio Lower Upper

146 100

111 36.6 26.9 50.1

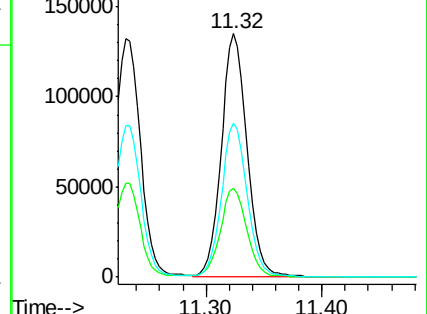
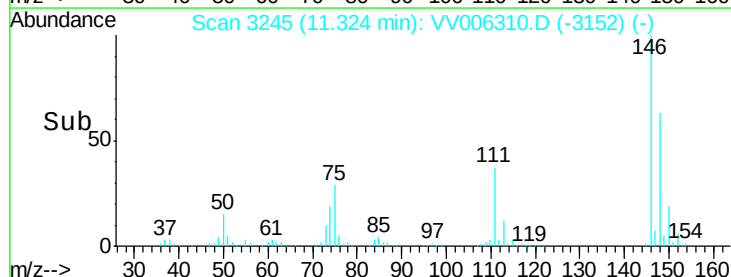
148 63.4 44.8 83.2

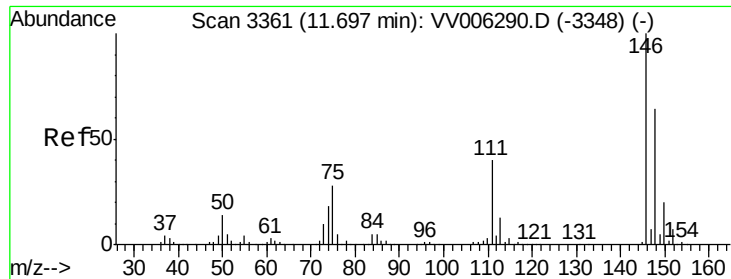


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.022 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

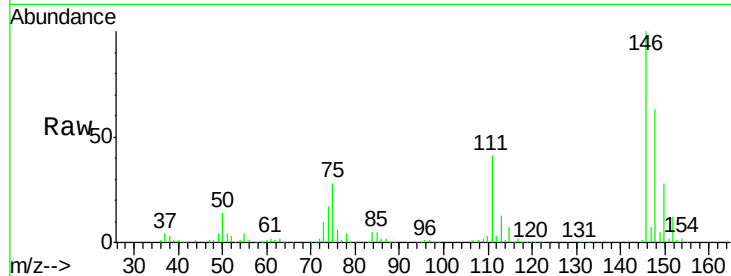
Tgt Ion: 146 Resp: 201265

Ion Ratio Lower Upper

146 100

111 40.6 32.8 49.2

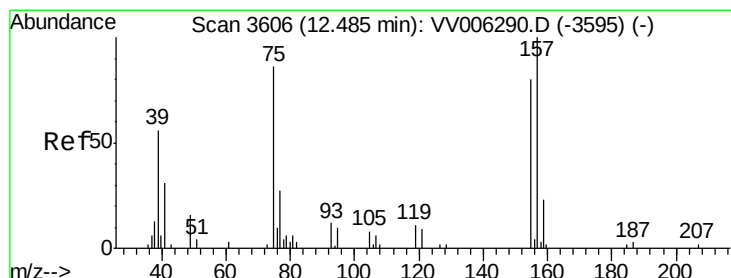
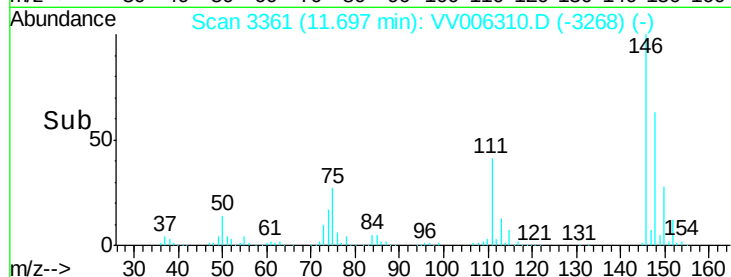
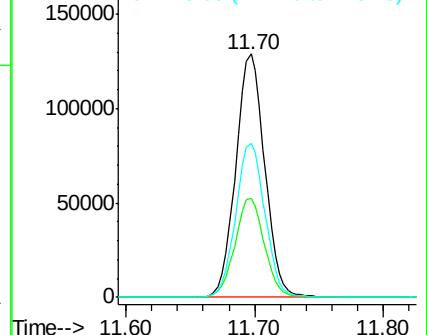
148 63.4 51.4 77.2



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: 3.603 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

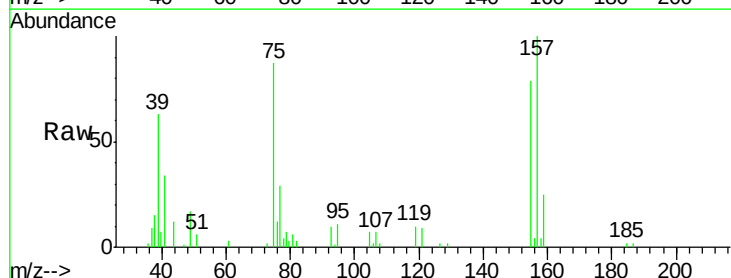
Tgt Ion: 75 Resp: 9490

Ion Ratio Lower Upper

75 100

155 91.2 70.3 105.5

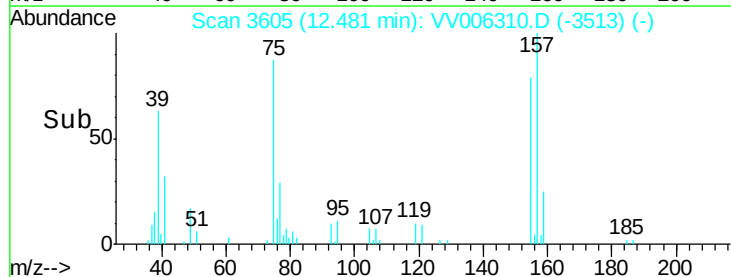
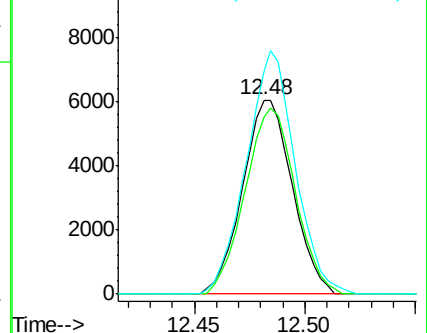
157 115.1 93.8 140.6

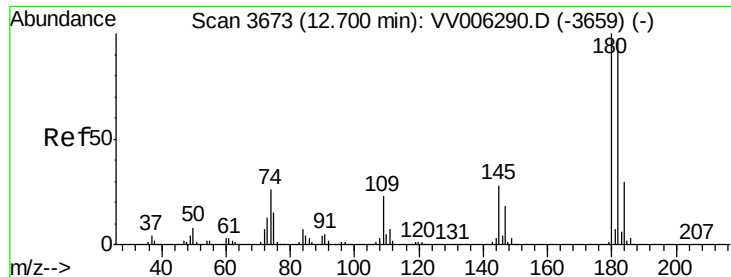


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

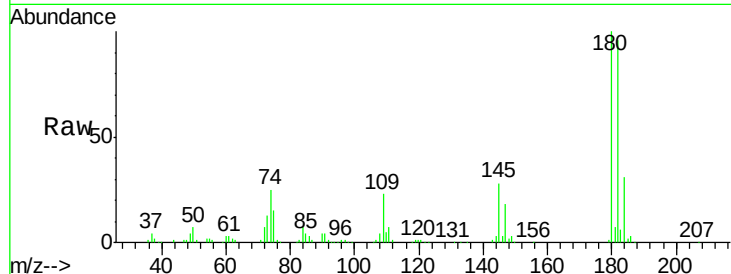




#67
 1,3,5-Trichlorobenzene
 Concen: 4.732 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006310.D
 Acq: 16 Jun 2018 04:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.4	113.2
184	30.2	24.3	36.5
145	28.1	23.1	34.7

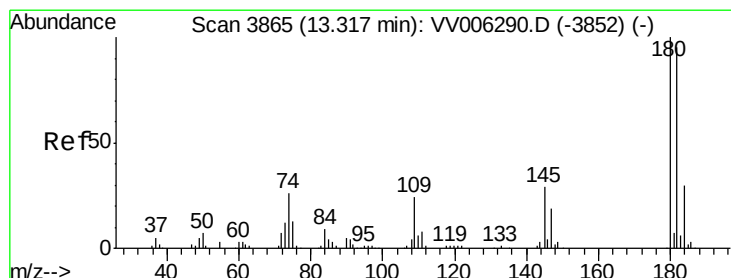
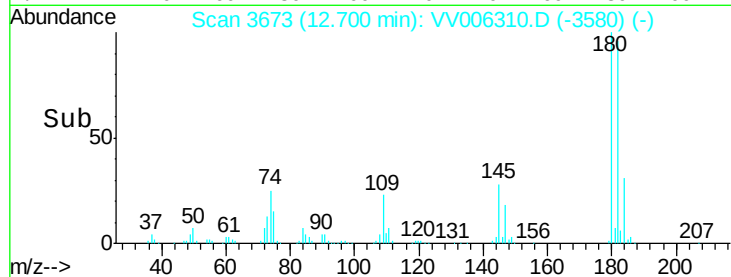
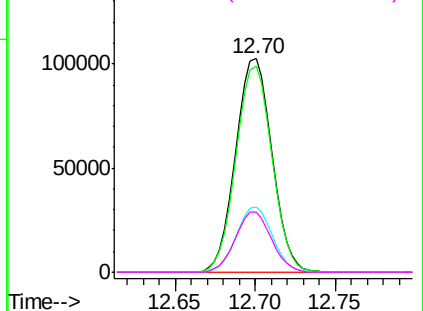


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

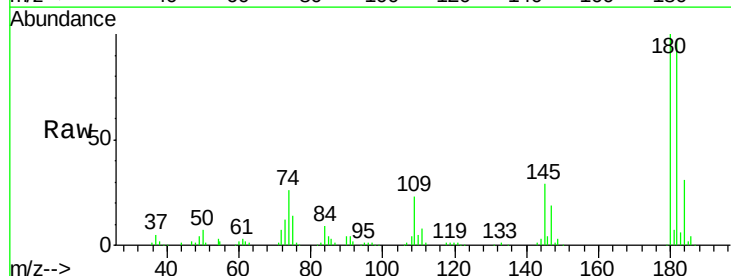
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.874 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006310.D
 Acq: 16 Jun 2018 04:59

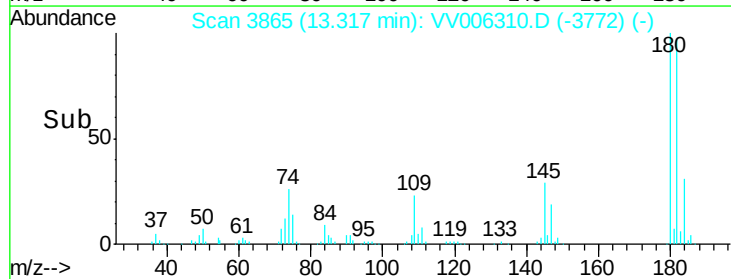
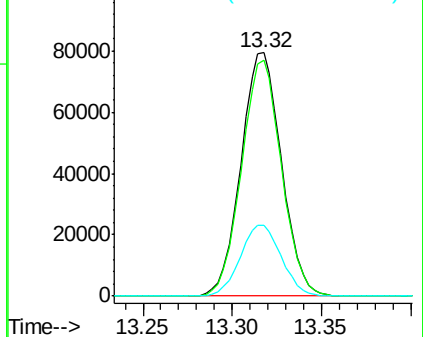
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.7	115.1
145	29.5	23.7	35.5

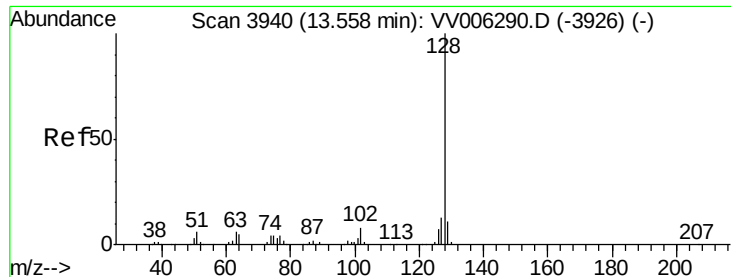


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.872 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

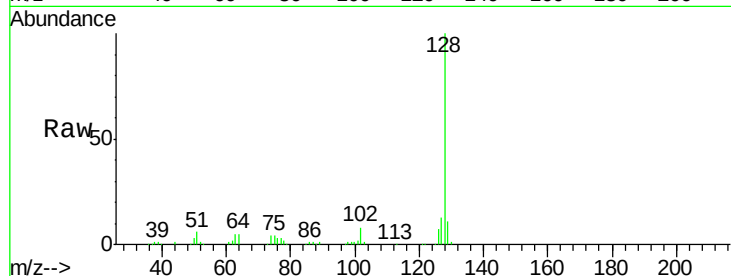
Tgt Ion:128 Resp: 211933

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

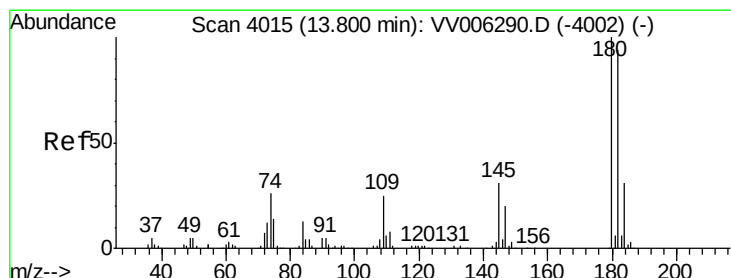
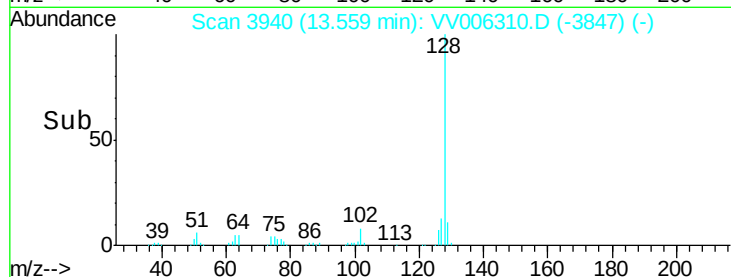
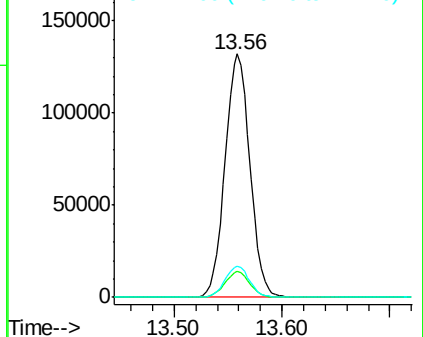
127 12.7 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.086 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006310.D

Acq: 16 Jun 2018 04:59

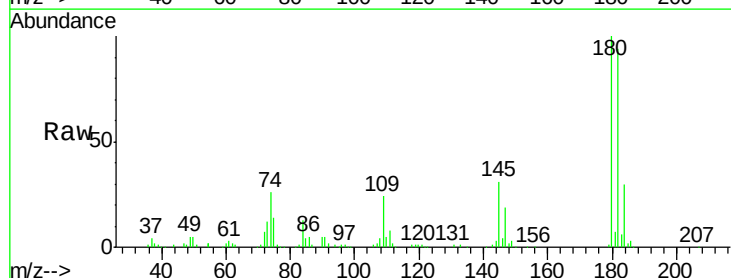
Tgt Ion:180 Resp: 120788

Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.2

145 30.9 25.0 37.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

