

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061618\
 Data File : VV006312.D
 Acq On : 16 Jun 2018 10:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Quant Time: Jun 18 01:12:27 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	319641	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	290490	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	141517	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81027	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.58	69	69404	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.13	63	158493	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	3.97	46	204910	55.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.56%
24) Chloroform-d	4.40	84	158906	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.09	65	77478	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.10	84	318548	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.12	67	96291	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.36	98	300766	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.67	79	35740	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.14	63	184058	45.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.78%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	71048	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	118510	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	103756	4.262	ug/L 100
3) Chloromethane	1.26	50	101766	4.998	ug/L 100
5) Vinyl chloride	1.32	62	118391	4.802	ug/L 98
6) Bromomethane	1.54	94	66672	5.091	ug/L 94
8) Chloroethane	1.60	64	73589	5.340	ug/L 100
9) Trichlorofluoromethane	1.77	101	159379	4.983	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	102649	5.201	ug/L 99
12) 1,1-Dichloroethene	2.14	96	91912	5.011	ug/L 92
13) Acetone	2.22	43	129948	64.694	ug/L 94
14) Carbon disulfide	2.32	76	231251	3.763	ug/L 99
15) Methyl Acetate	2.47	43	35079	5.868	ug/L 95
16) Methylene chloride	2.54	84	99658	4.921	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	231993	5.111	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	100084	5.001	ug/L 98
19) 1,1-Dichloroethane	3.23	63	174312	5.179	ug/L 99
21) 2-Butanone	4.05	43	202014	55.282	ug/L 94
22) cis-1,2-Dichloroethene	3.97	96	107178	4.949	ug/L # 97

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 Data File : VV006312.D
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 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Quant Time: Jun 18 01:12:27 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

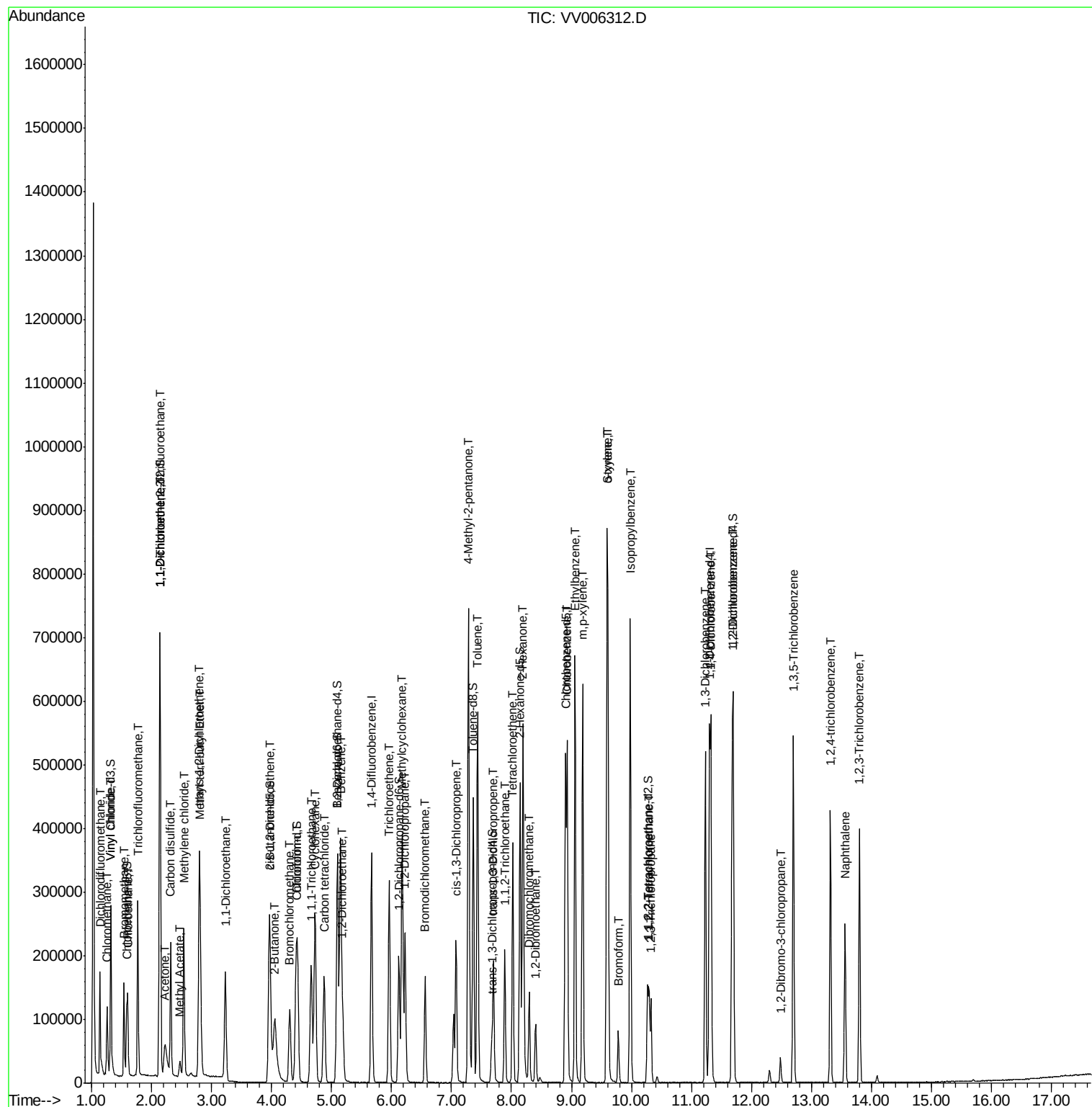
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	42793	4.926	ug/L	97
25) Chloroform	4.43	83	178444	5.133	ug/L	97
27) 1,2-Dichloroethane	5.19	62	100844	5.053	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	148501	4.627	ug/L	100
30) Cyclohexane	4.73	56	147018	4.454	ug/L	98
31) Carbon tetrachloride	4.88	117	124021	4.381	ug/L	99
33) Benzene	5.15	78	392034	4.895	ug/L	100
34) Trichloroethene	5.96	95	107480	4.917	ug/L	97
35) Methylcyclohexane	6.18	83	174763	4.651	ug/L	98
37) 1,2-Dichloropropane	6.23	63	94167	4.908	ug/L	100
38) Bromodichloromethane	6.56	83	111671	4.370	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	137108	4.384	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	484325	48.804	ug/L	99
42) Toluene	7.43	91	429208	4.855	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	106054	4.181	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	67349	4.960	ug/L	98
47) Tetrachloroethene	8.02	164	87550	5.004	ug/L	98
48) 2-Hexanone	8.19	43	349093	50.052	ug/L	98
49) Dibromochloromethane	8.30	129	72006	4.211	ug/L	99
50) 1,2-Dibromoethane	8.40	107	61807	4.885	ug/L	96
51) Chlorobenzene	8.93	112	285028	5.022	ug/L	99
52) Ethylbenzene	9.06	91	479922	4.873	ug/L	100
53) m,p-xylene	9.19	106	185904	4.838	ug/L	96
54) o-xylene	9.59	106	181944	4.842	ug/L	99
55) Styrene	9.61	104	299606	4.847	ug/L	100
56) Isopropylbenzene	9.98	105	484736	4.899	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	68832	4.425	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	54413	5.033	ug/L	99
61) Bromoform	9.78	173	35467	3.693	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	223117	5.004	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	222832	5.053	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	210062	5.107	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	9131	3.378	ug/L	90
67) 1,3,5-Trichlorobenzene	12.70	180	175829	5.124	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	135228	5.096	ug/L	100
69) Naphthalene	13.56	128	203506	4.558	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	125725	5.158	ug/L	100

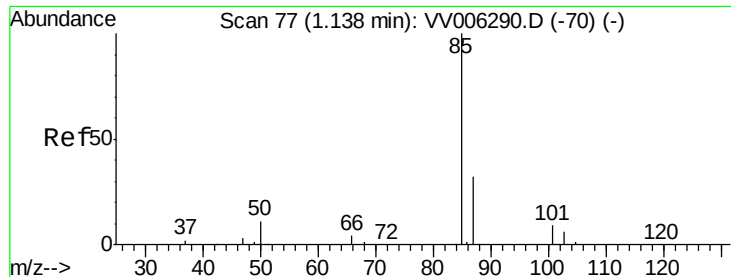
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VV006312.D
Acq On : 16 Jun 2018 10:33
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Sample : VSTDCCC005
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Quant Time: Jun 18 01:12:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
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QLast Update : Sat Jun 16 00:57:31 2018
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#2

Dichlorodifluoromethane

Concen: 4.262 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

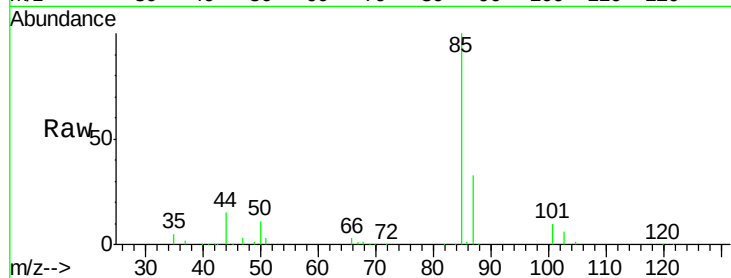
VSTD00568

Tgt Ion: 85 Resp: 103756

Ion Ratio Lower Upper

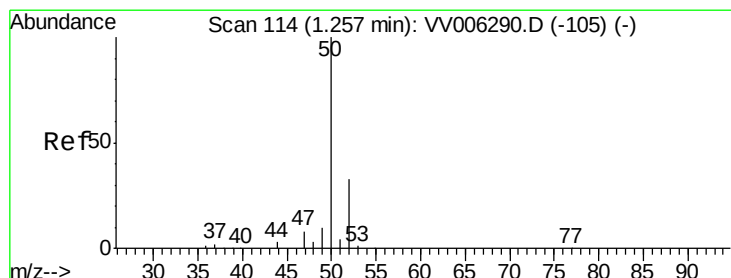
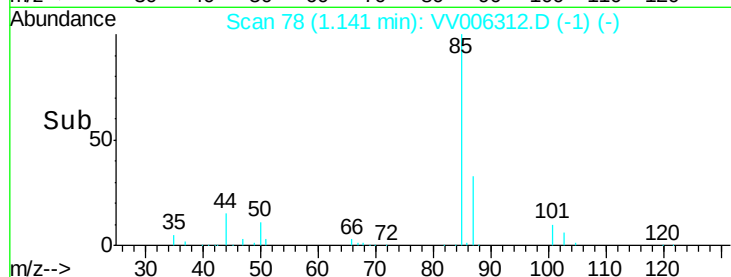
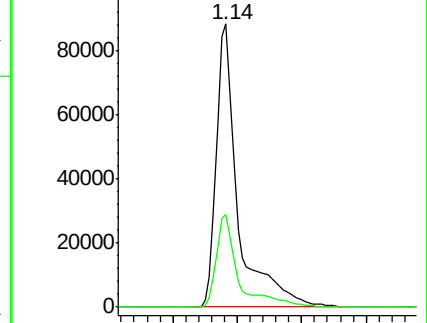
85 100

87 33.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.998 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006312.D

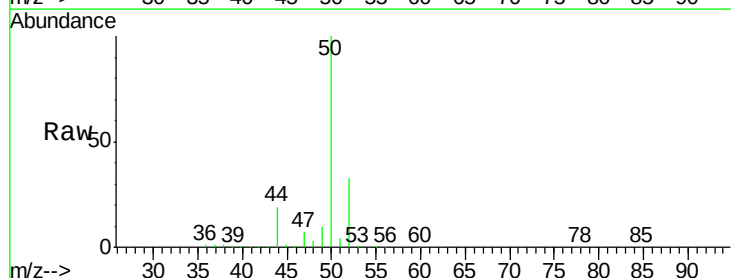
Acq: 16 Jun 2018 10:33

Tgt Ion: 50 Resp: 101766

Ion Ratio Lower Upper

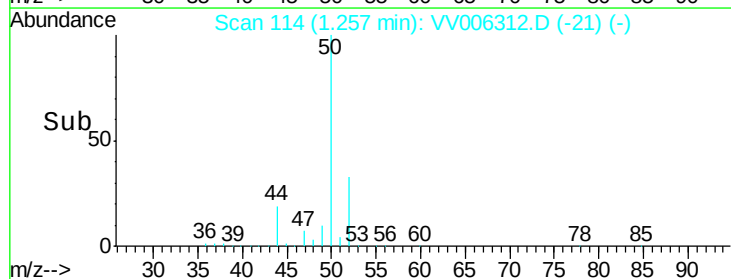
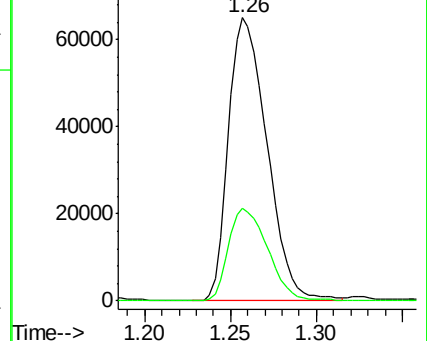
50 100

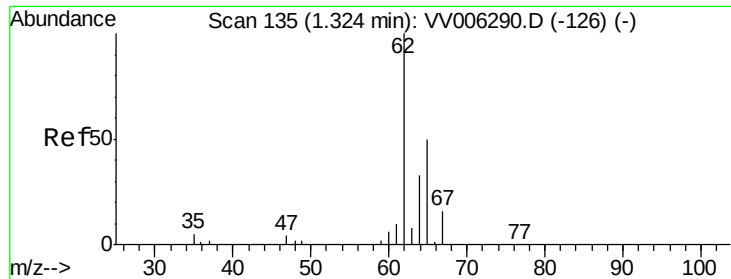
52 32.6 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.802 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

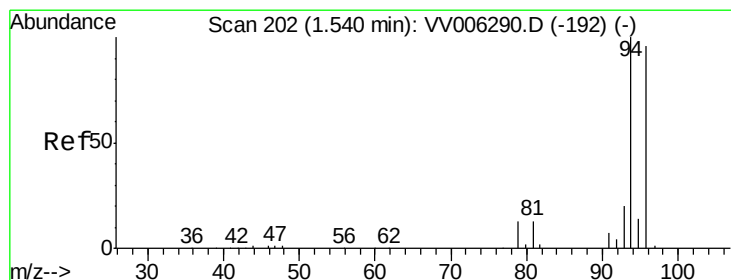
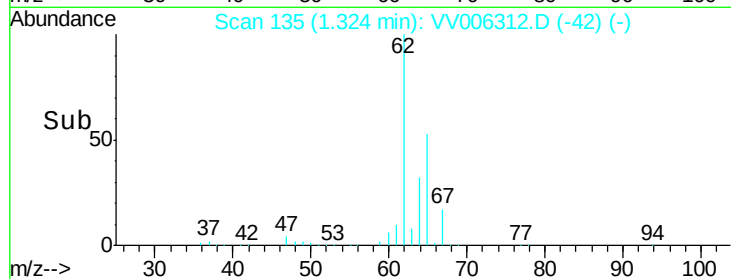
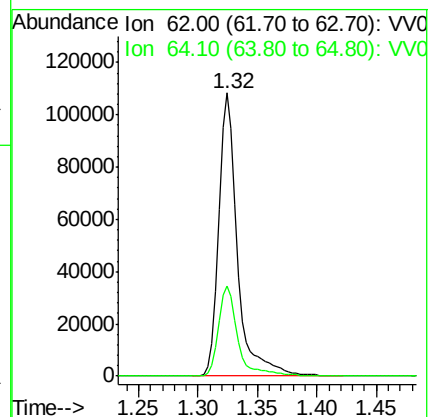
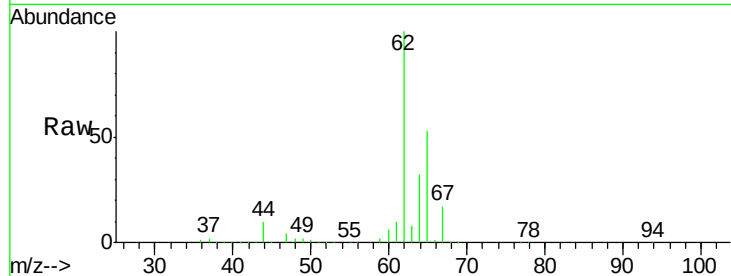
VSTD00568

Tgt Ion: 62 Resp: 118391

Ion Ratio Lower Upper

62 100

64 32.0 23.1 42.9



#6

Bromomethane

Concen: 5.091 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006312.D

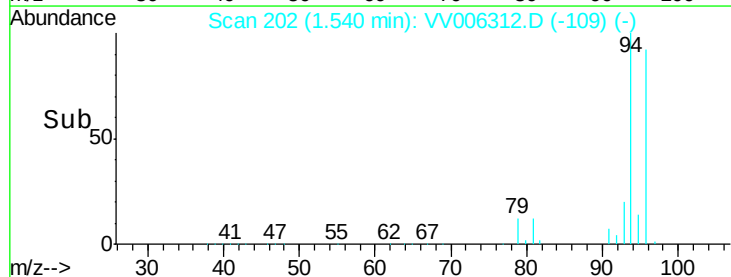
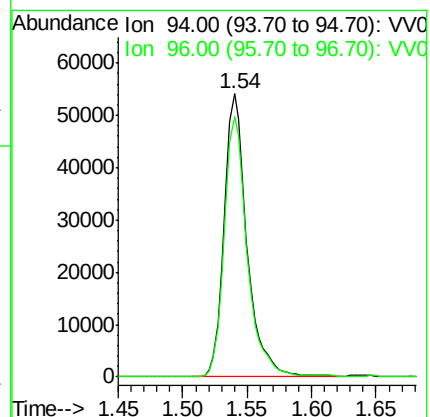
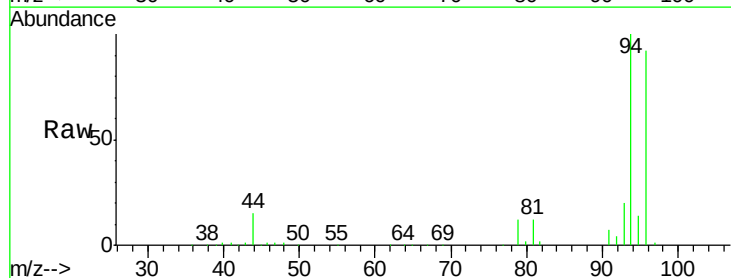
Acq: 16 Jun 2018 10:33

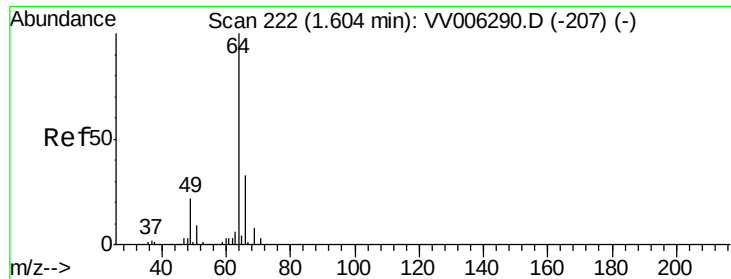
Tgt Ion: 94 Resp: 66672

Ion Ratio Lower Upper

94 100

96 92.1 68.9 127.9





#8

Chloroethane

Concen: 5.340 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

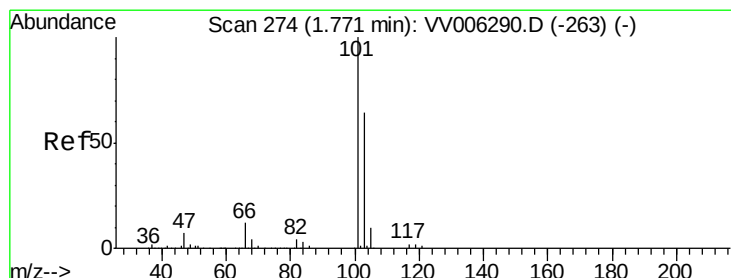
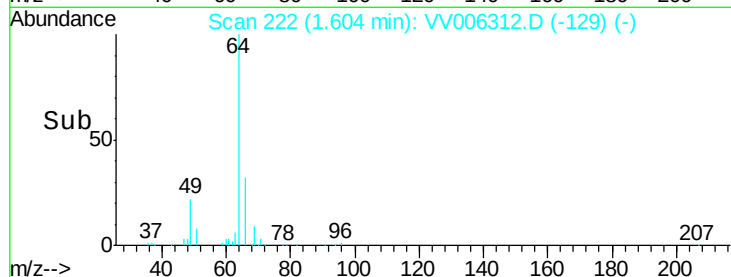
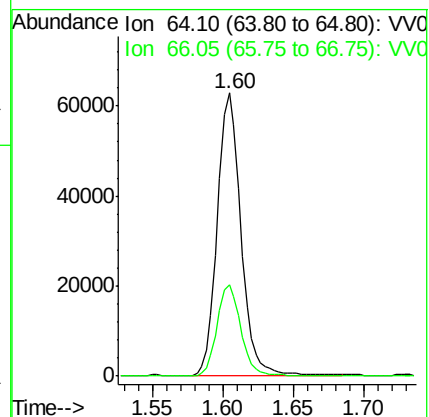
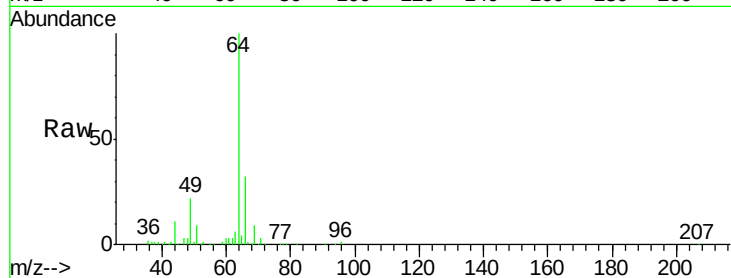
VSTD00568

Tgt Ion: 64 Resp: 73589

Ion Ratio Lower Upper

64 100

66 32.2 22.5 41.7



#9

Trichlorofluoromethane

Concen: 4.983 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006312.D

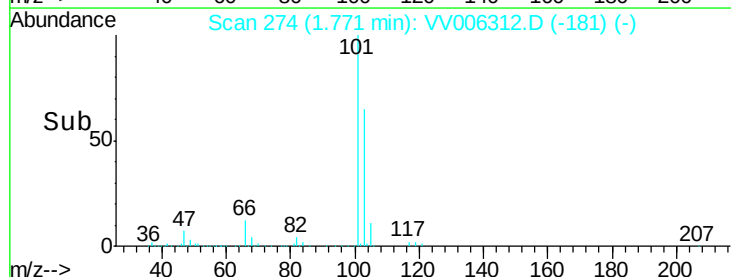
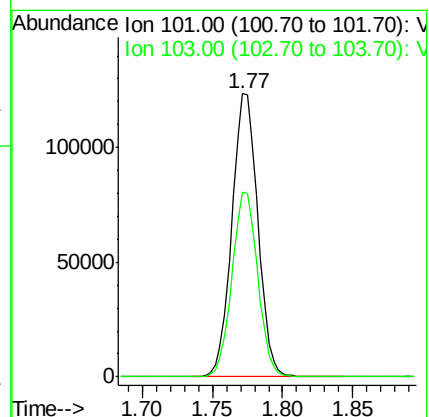
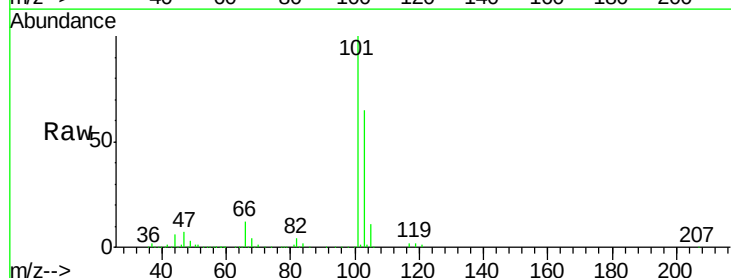
Acq: 16 Jun 2018 10:33

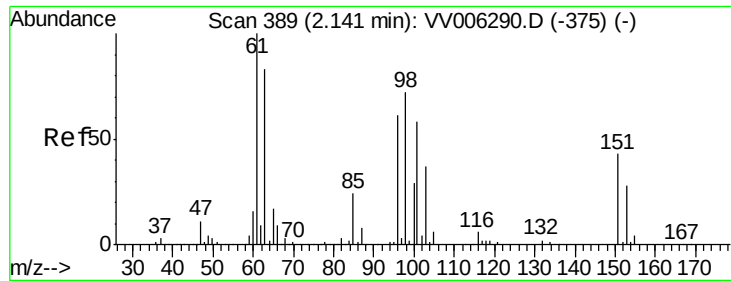
Tgt Ion: 101 Resp: 159379

Ion Ratio Lower Upper

101 100

103 64.6 52.0 78.0





#10

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

Concen: 5.201 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

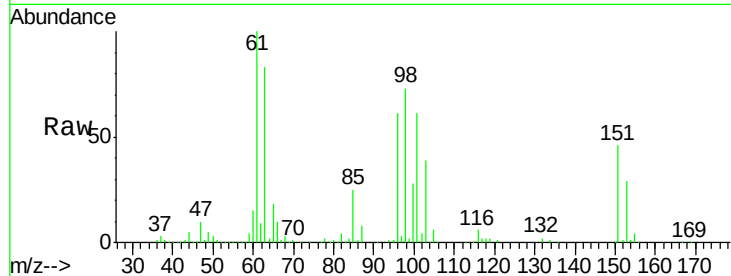
Tgt Ion: 101 Resp: 102649

Ion Ratio Lower Upper

101 100

85 41.3 32.6 49.0

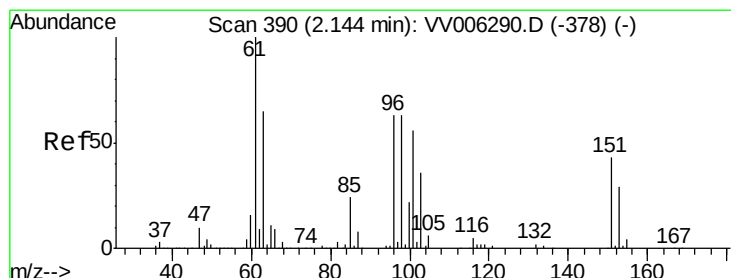
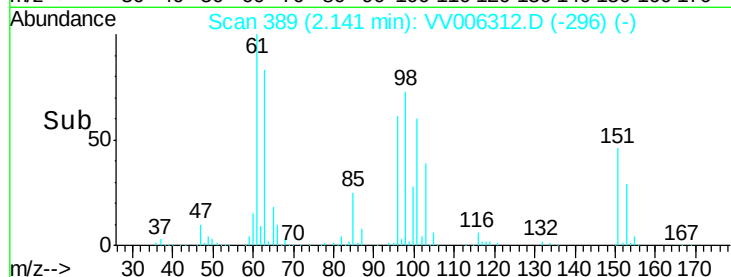
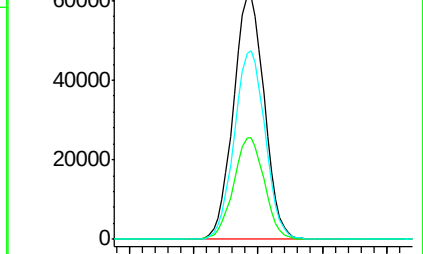
151 76.8 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV006312.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006312.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006312.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 5.011 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

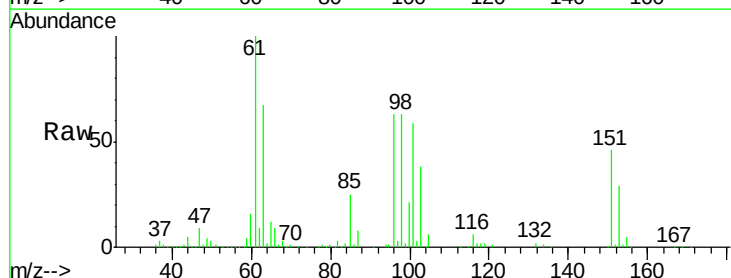
Tgt Ion: 96 Resp: 91912

Ion Ratio Lower Upper

96 100

61 158.1 114.2 212.2

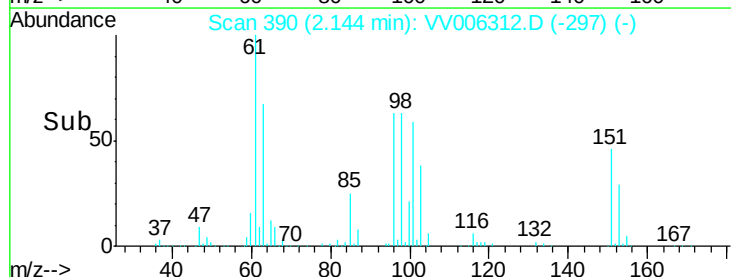
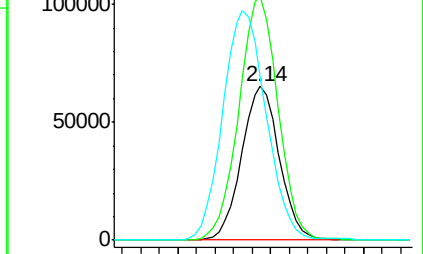
63 106.1 85.0 157.8

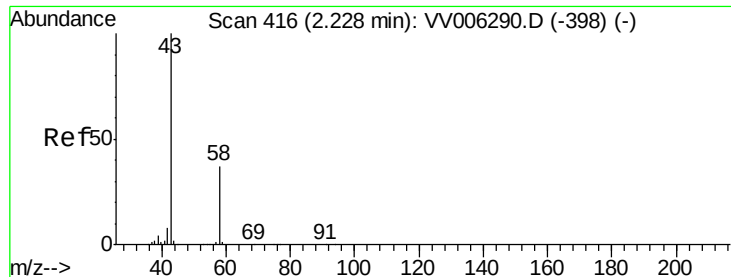


Abundance Ion 96.00 (95.70 to 96.70): VV006312.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006312.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006312.D (-297) (-)





#13

Acetone

Concen: 64.694 ug/L

RT: 2.22 min Scan# 415

Delta R.T. -0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

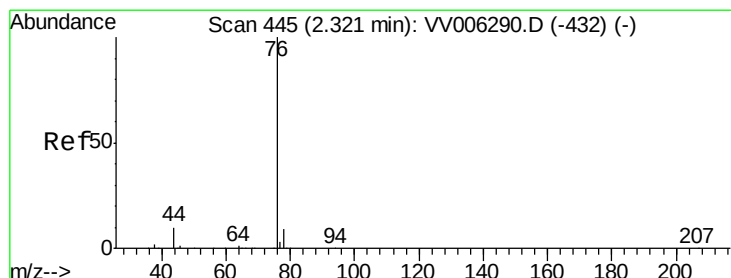
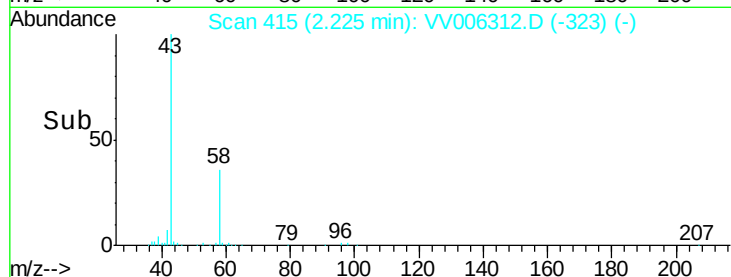
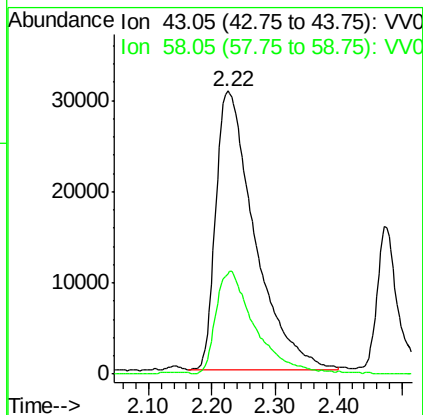
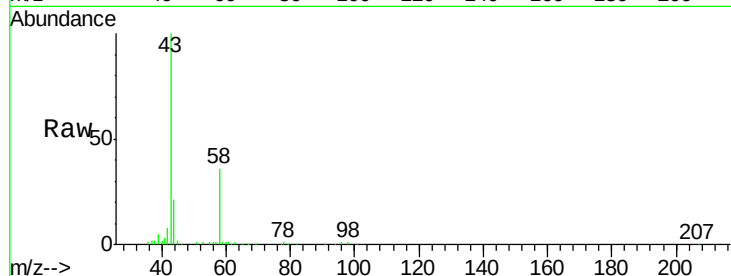
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion: 43 Resp: 129948

Ion Ratio Lower Upper

43 100

58 37.2 0.0 67.4



#14

Carbon disulfide

Concen: 3.763 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006312.D

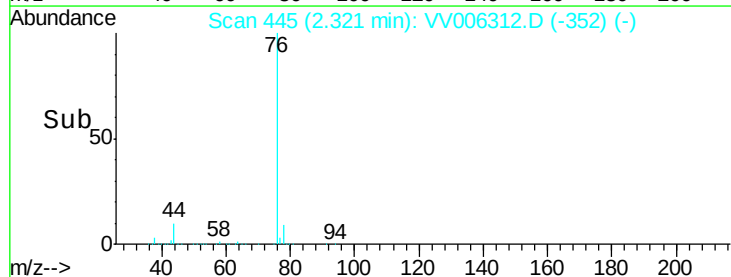
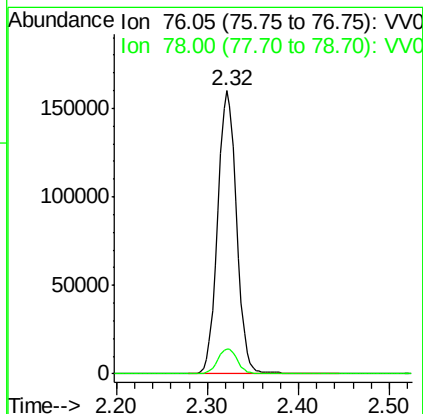
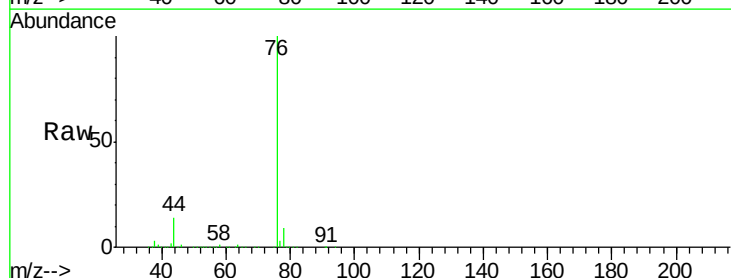
Acq: 16 Jun 2018 10:33

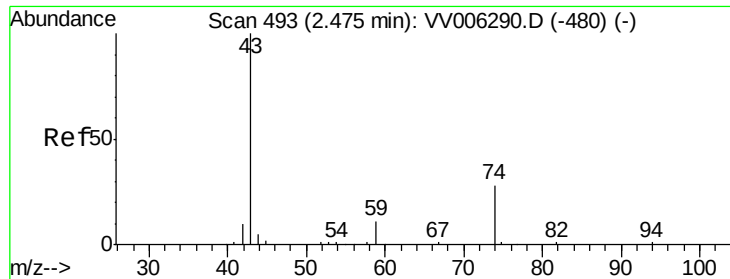
Tgt Ion: 76 Resp: 231251

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 5.868 ug/L

RT: 2.47 min Scan# 492

Delta R.T. -0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

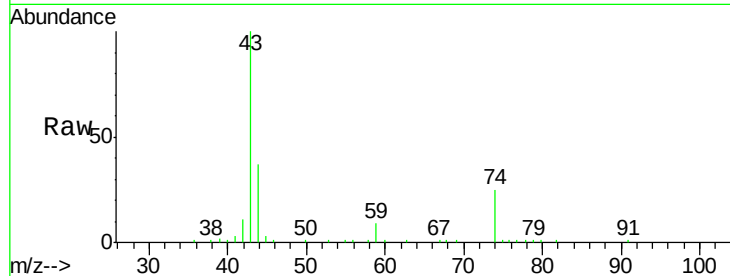
VSTD00568

Tgt Ion: 43 Resp: 35079

Ion Ratio Lower Upper

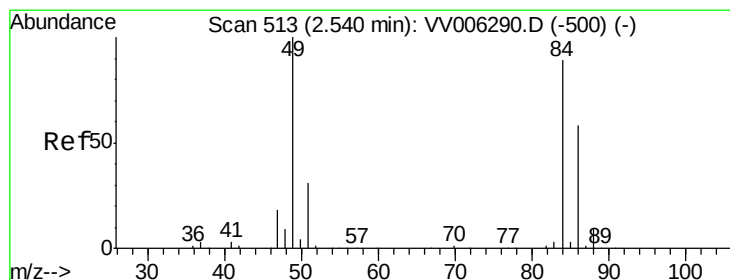
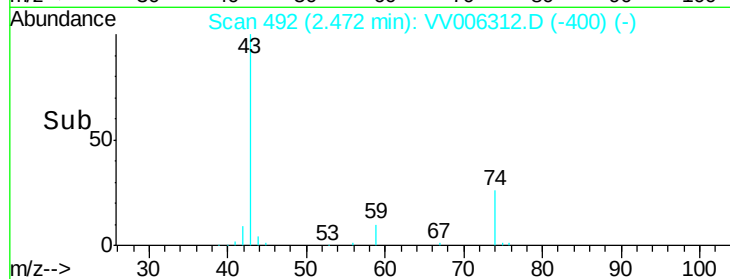
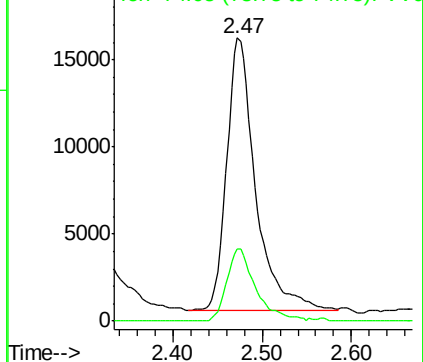
43 100

74 26.4 23.4 35.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.921 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

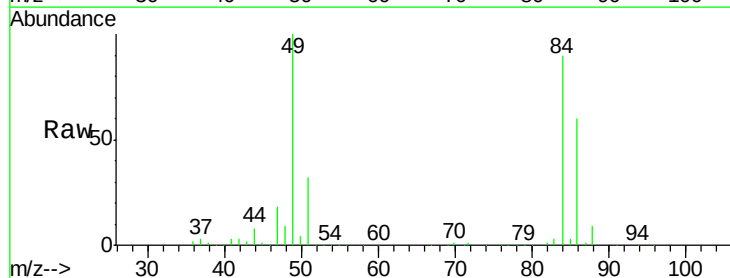
Tgt Ion: 84 Resp: 99658

Ion Ratio Lower Upper

84 100

86 66.1 44.2 82.0

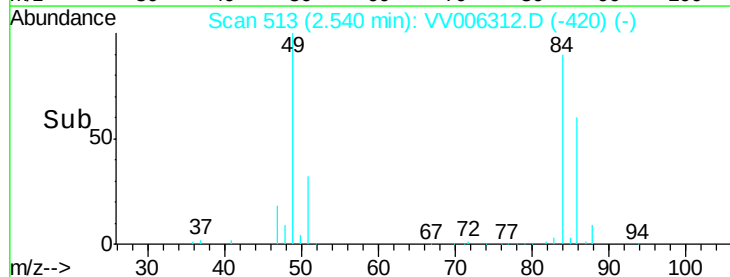
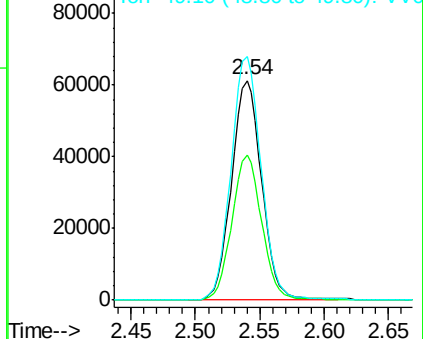
49 110.7 78.8 146.4

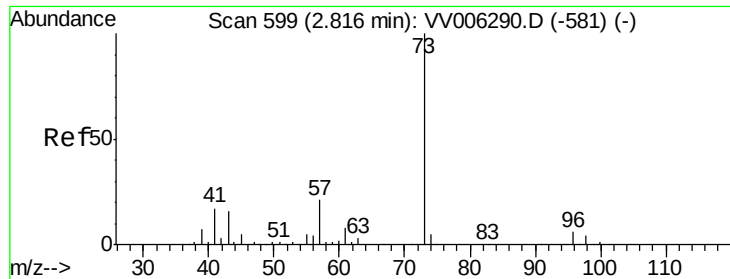


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

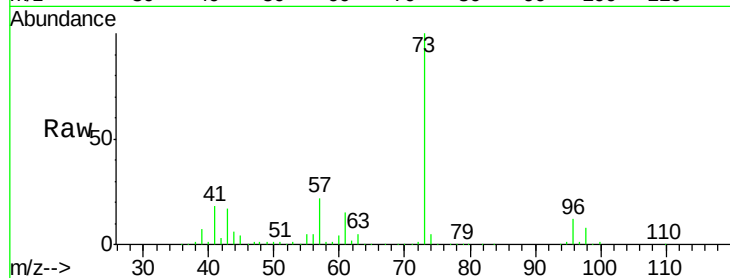




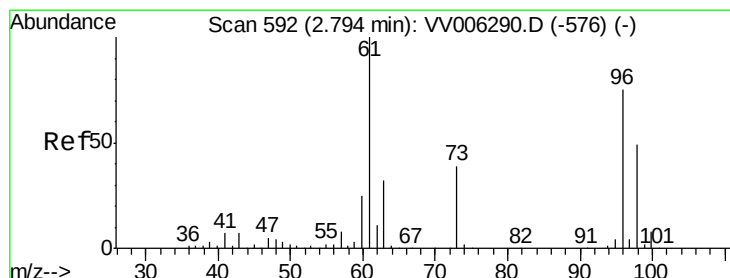
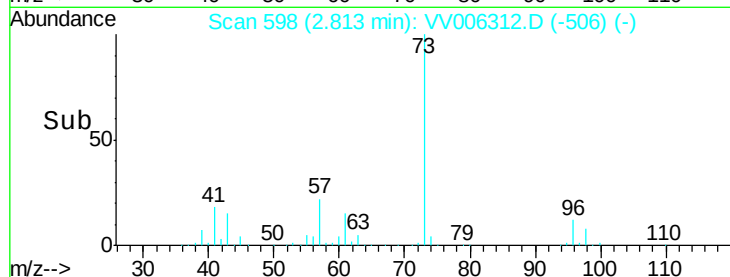
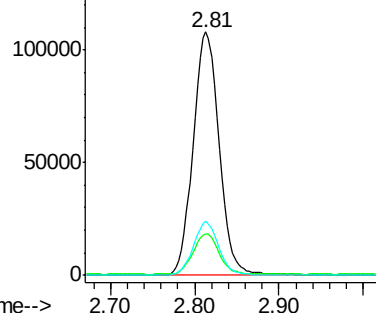
#17
Methyl tert-butyl Ether
Concen: 5.111 ug/L
RT: 2.81 min Scan# 598
Delta R.T. -0.00 min
Lab File: VV006312.D
Acq: 16 Jun 2018 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion: 73 Resp: 231993
Ion Ratio Lower Upper
73 100
43 16.6 14.2 21.4
57 21.5 16.8 25.2

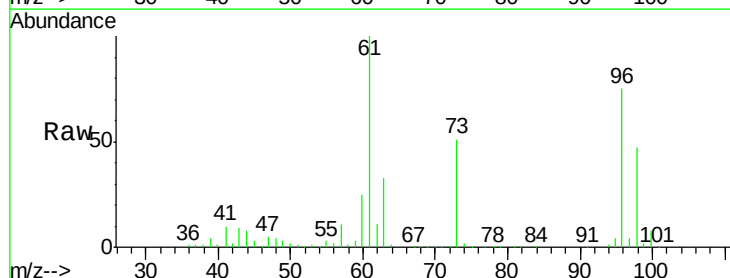


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

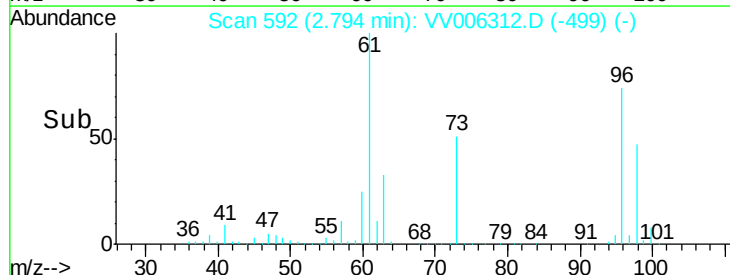
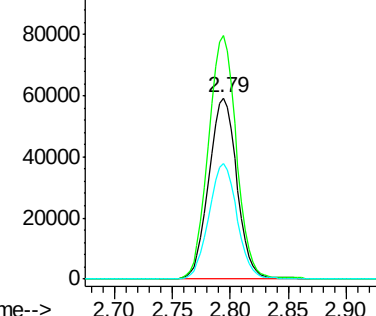


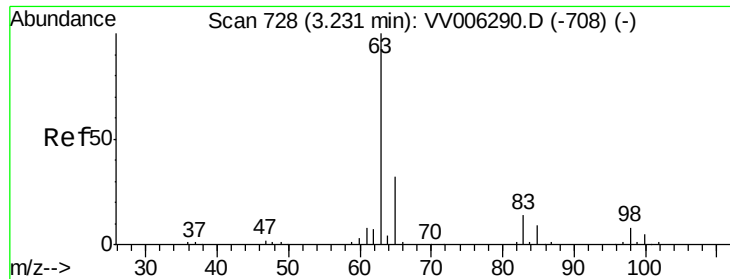
#18
trans-1,2-Dichloroethene
Concen: 5.001 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006312.D
Acq: 16 Jun 2018 10:33

Tgt Ion: 96 Resp: 100084
Ion Ratio Lower Upper
96 100
61 134.1 96.3 178.9
98 63.6 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

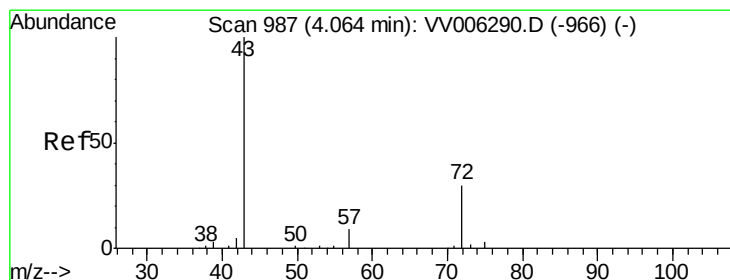
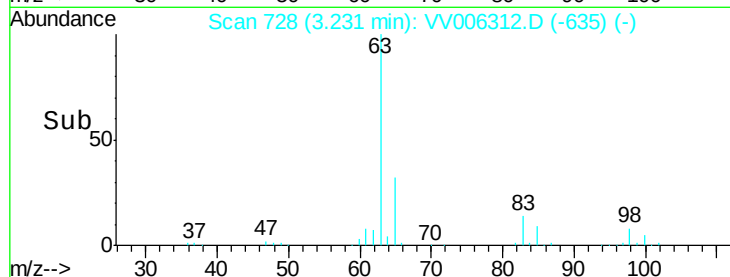
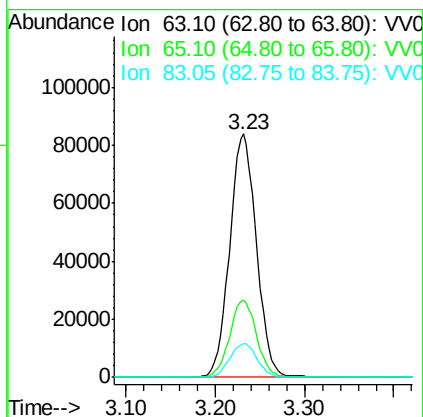
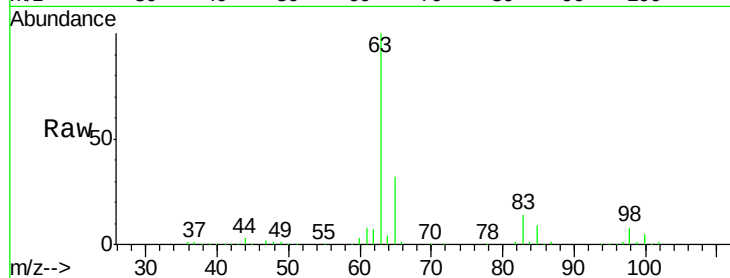




#19
 1,1-Dichloroethane
 Concen: 5.179 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

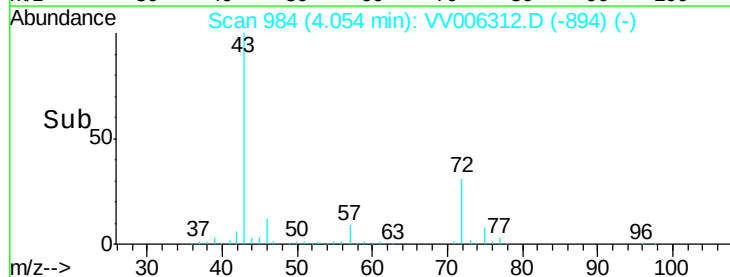
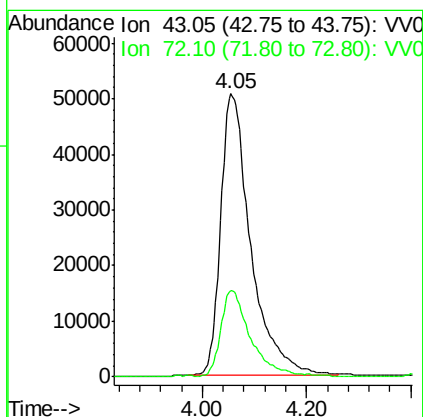
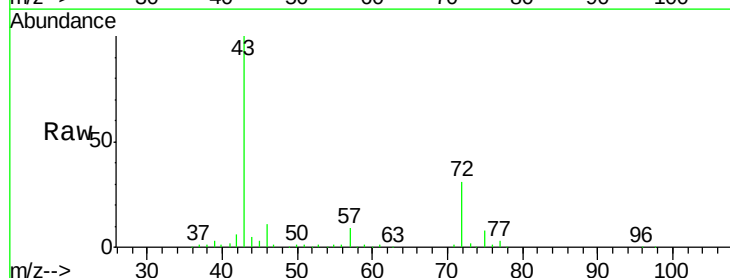
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

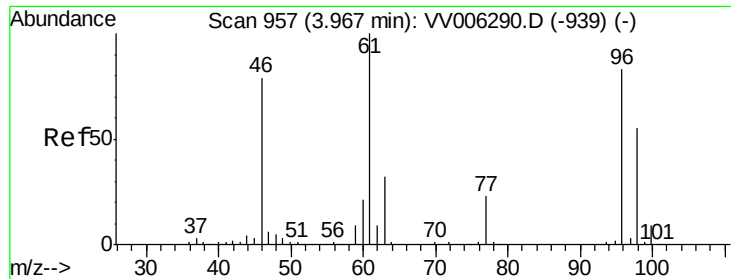
Tgt Ion: 63 Resp: 174312
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.3
 83 13.7 10.0 18.6



#21
 2-Butanone
 Concen: 55.282 ug/L
 RT: 4.05 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

Tgt Ion: 43 Resp: 202014
 Ion Ratio Lower Upper
 43 100
 72 30.6 13.8 41.3





#22

cis-1,2-Dichloroethene

Concen: 4.949 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

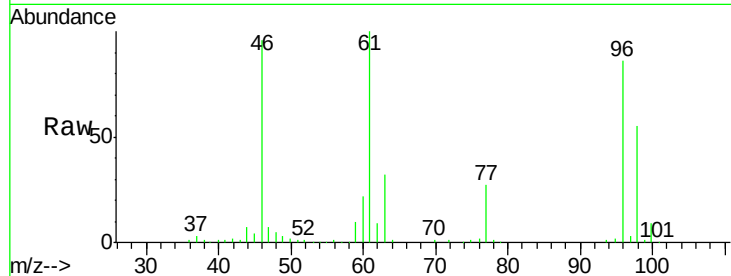
Tgt Ion: 96 Resp: 107178

Ion Ratio Lower Upper

96 100

61 116.4 84.1 156.3

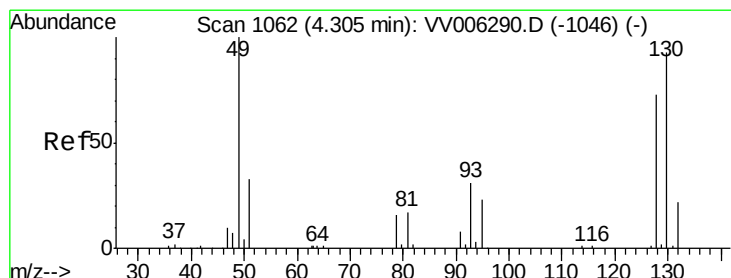
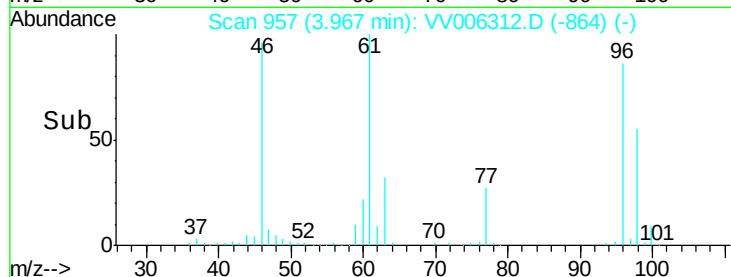
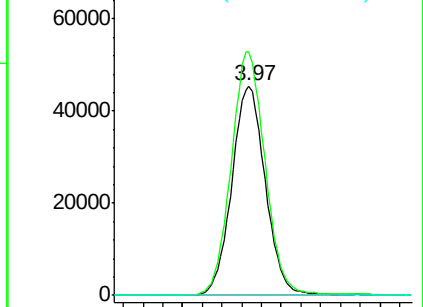
68 0.0 0.3 0.5#



Abundance Ion 96.00 (95.70 to 96.70): VV006312.D (-969) (-)

Ion 61.05 (60.75 to 61.75): VV006312.D (-969) (-)

Ion 68.15 (67.85 to 68.85): VV006312.D (-969) (-)



#23

Bromochloromethane

Concen: 4.926 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Tgt Ion: 128 Resp: 42793

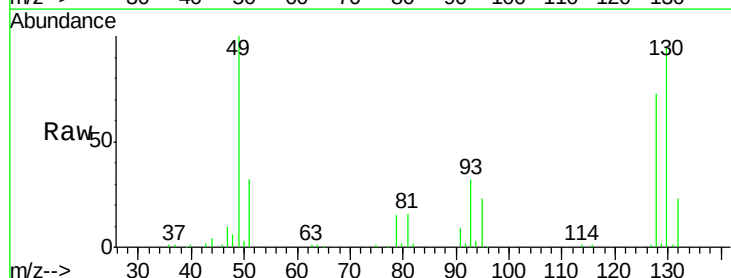
Ion Ratio Lower Upper

128 100

49 136.1 97.1 180.3

130 129.2 86.6 160.8

51 43.9 35.9 53.9

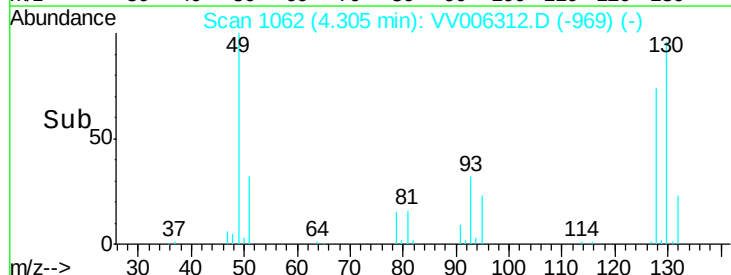
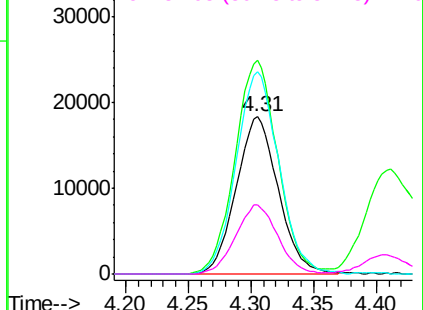


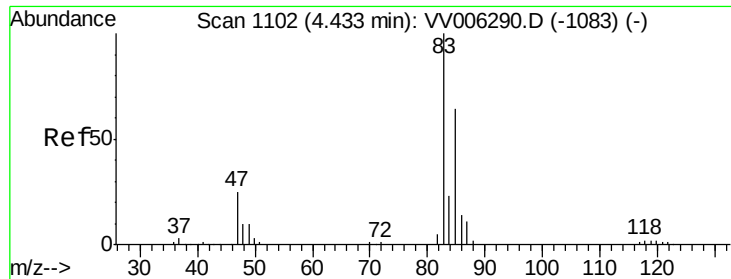
Abundance Ion 127.90 (127.60 to 128.60): VV006312.D (-969) (-)

Ion 49.10 (48.80 to 49.80): VV006312.D (-969) (-)

Ion 129.95 (129.65 to 130.65): VV006312.D (-969) (-)

Ion 51.05 (50.75 to 51.75): VV006312.D (-969) (-)

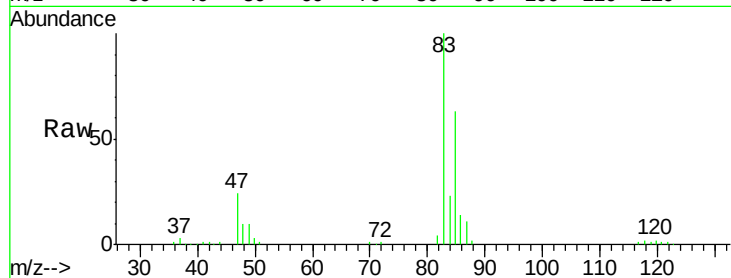




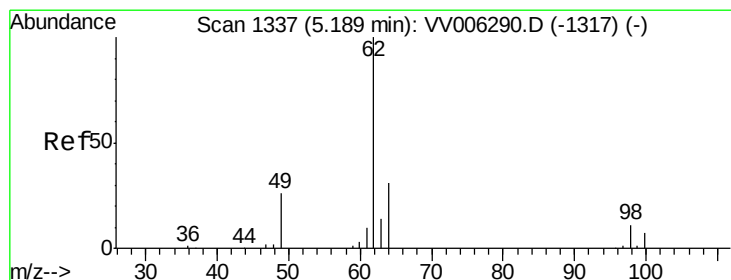
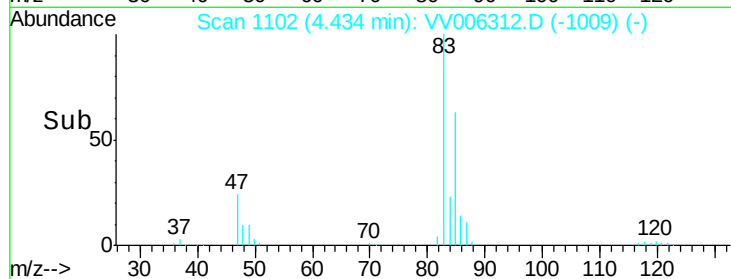
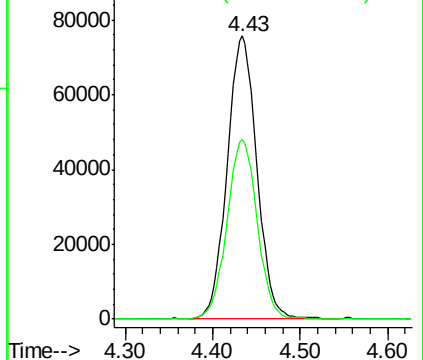
#25
Chloroform
Concen: 5.133 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006312.D
Acq: 16 Jun 2018 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion: 83 Resp: 178444
Ion Ratio Lower Upper
83 100
85 63.4 46.2 85.8

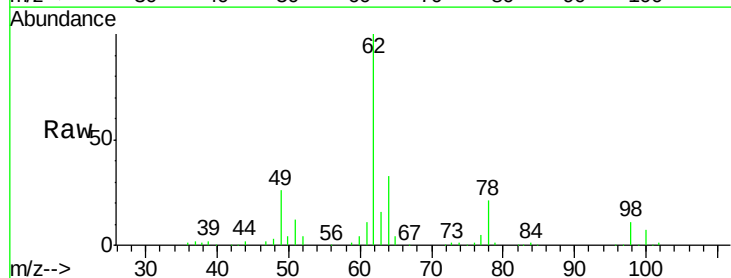


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

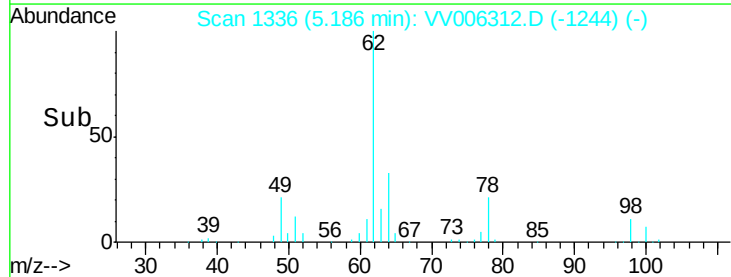
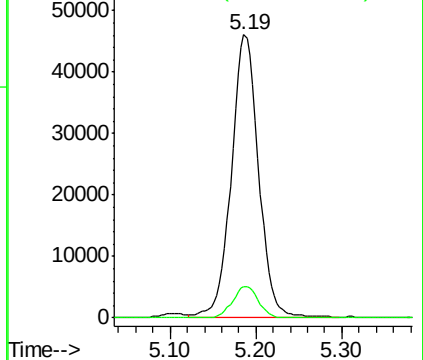


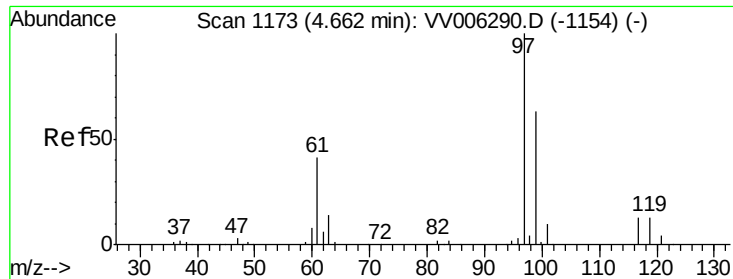
#27
1,2-Dichloroethane
Concen: 5.053 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006312.D
Acq: 16 Jun 2018 10:33

Tgt Ion: 62 Resp: 100844
Ion Ratio Lower Upper
62 100
98 10.9 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

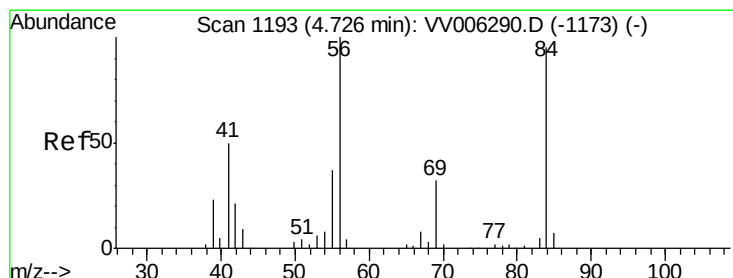
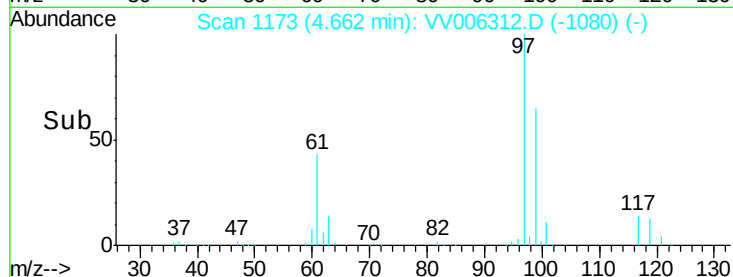
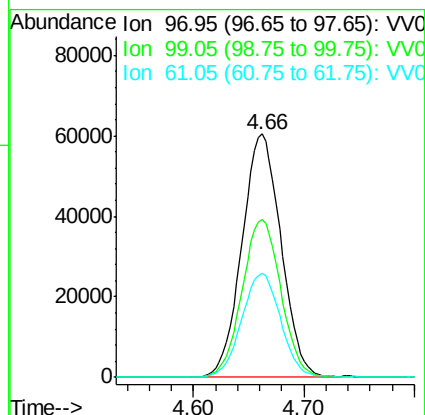
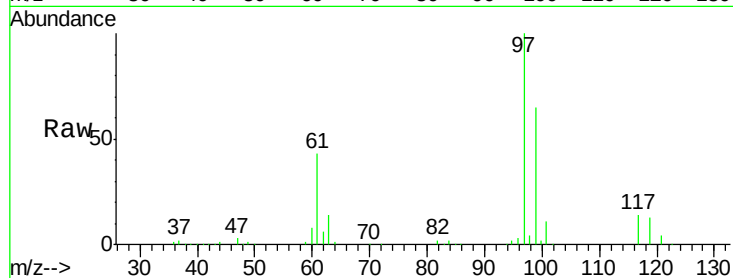




#29
 1,1,1-Trichloroethane
 Concen: 4.627 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

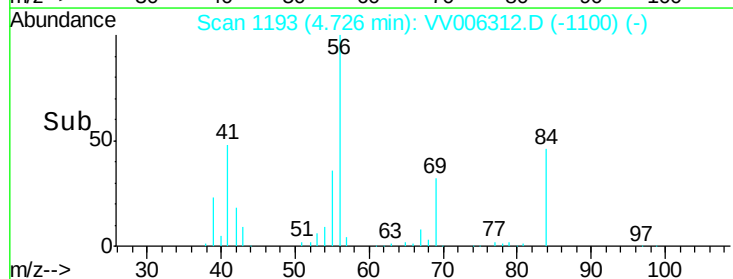
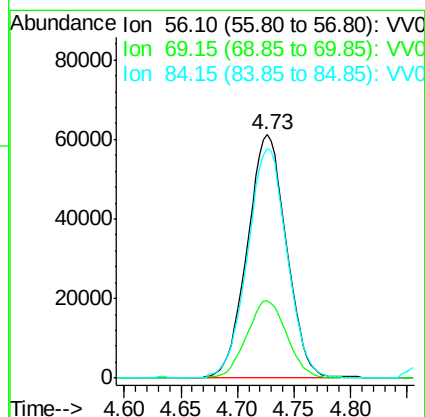
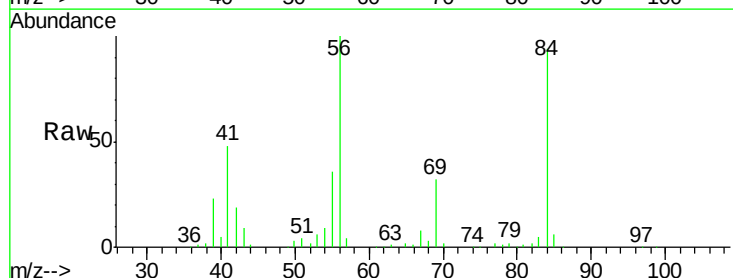
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

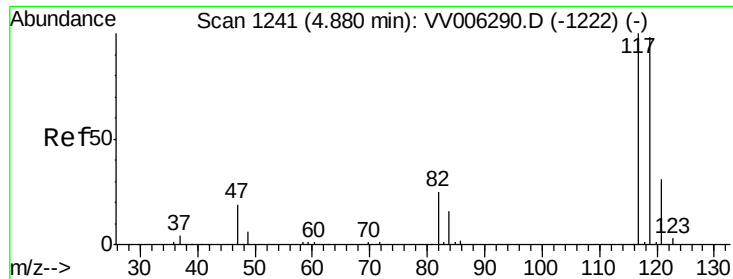
Tgt Ion: 97 Resp: 148501
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.5 77.3
 61 42.7 33.7 50.5



#30
 Cyclohexane
 Concen: 4.454 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

Tgt Ion: 56 Resp: 147018
 Ion Ratio Lower Upper
 56 100
 69 32.9 26.4 39.6
 84 95.8 78.9 118.3





#31

Carbon tetrachloride

Concen: 4.381 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

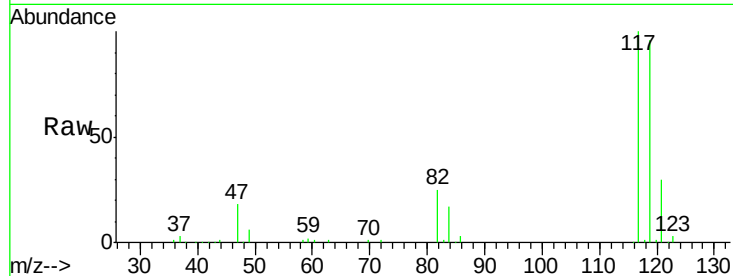
VSTD00568

Tgt Ion:117 Resp: 124021

Ion Ratio Lower Upper

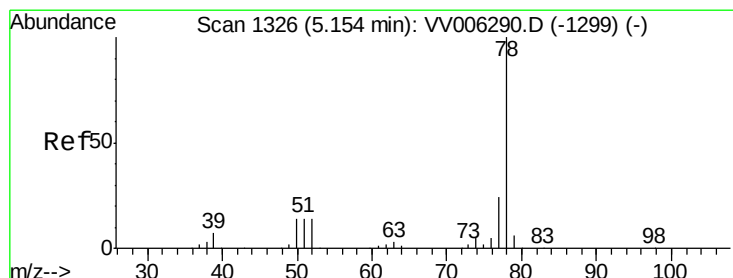
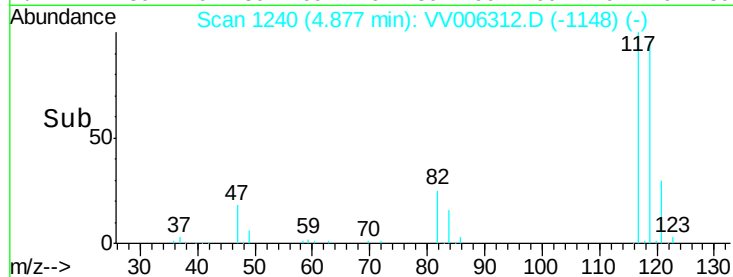
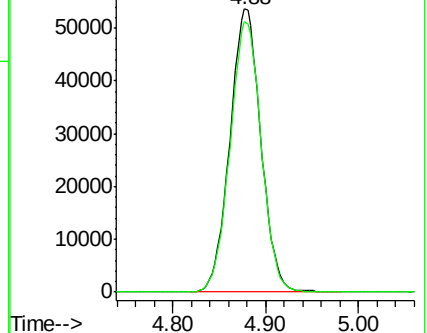
117 100

119 96.3 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: 4.895 ug/L

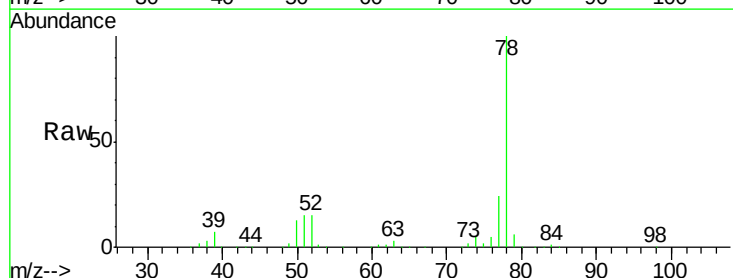
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

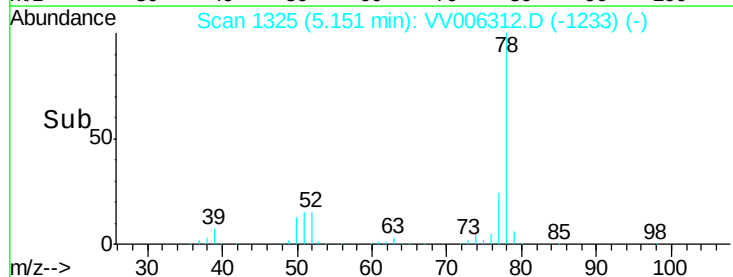
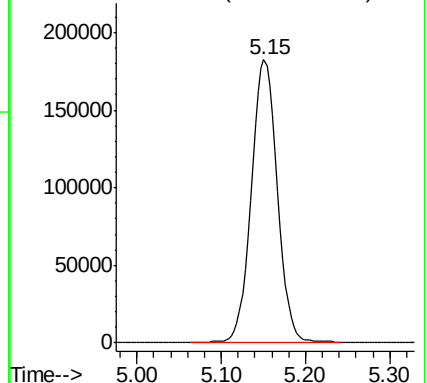
Lab File: VV006312.D

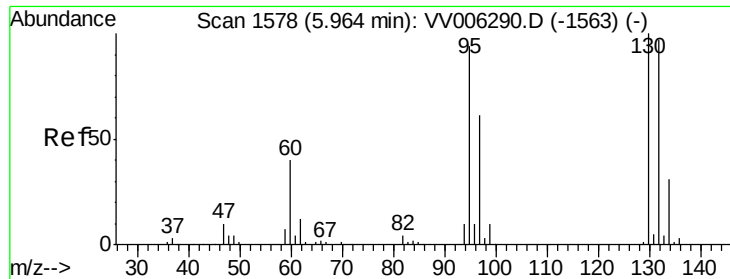
Acq: 16 Jun 2018 10:33

Tgt Ion: 78 Resp: 392034



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.917 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

Tgt Ion: 95 Resp: 107480

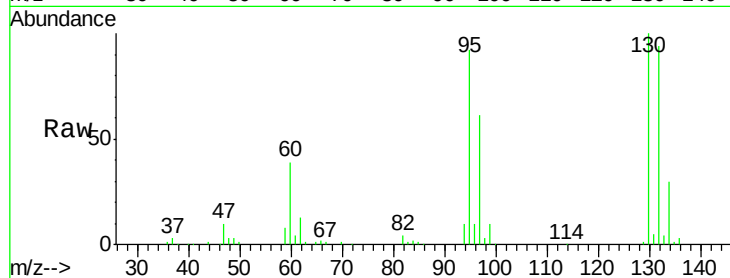
Ion Ratio Lower Upper

95 100

97 66.3 45.1 83.9

132 101.7 69.0 128.1

130 108.6 72.8 135.2

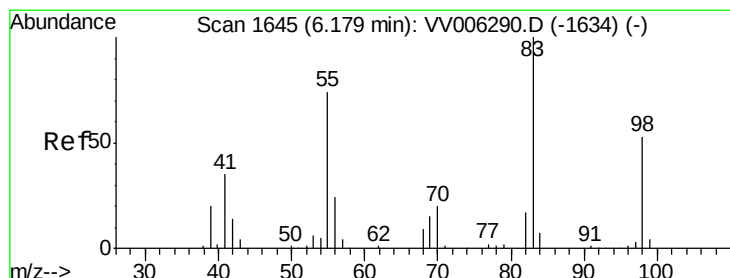
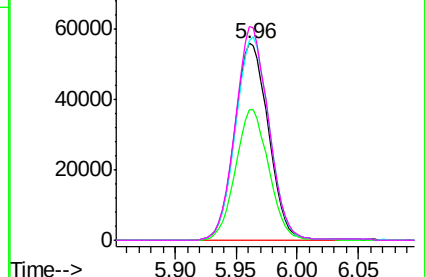
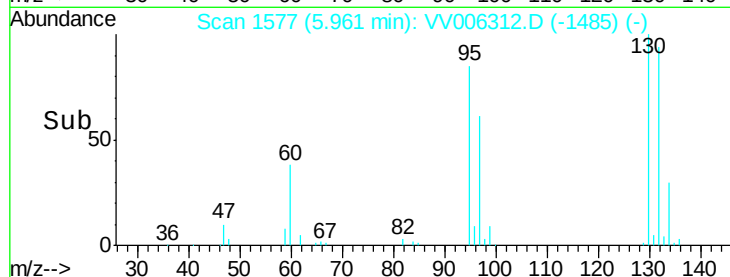


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.651 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

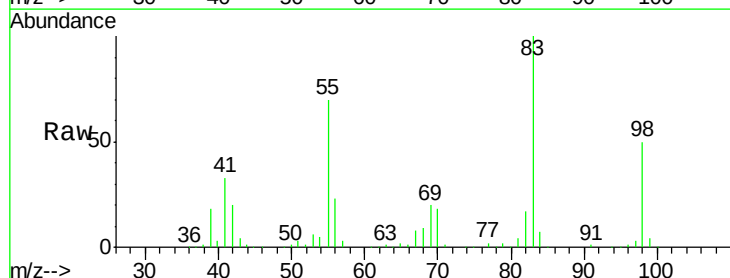
Tgt Ion: 83 Resp: 174763

Ion Ratio Lower Upper

83 100

55 70.5 57.5 86.3

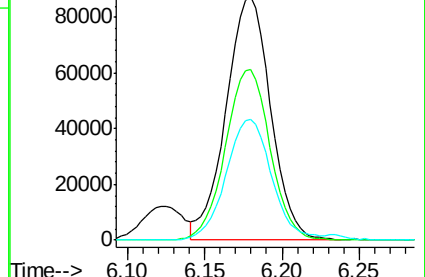
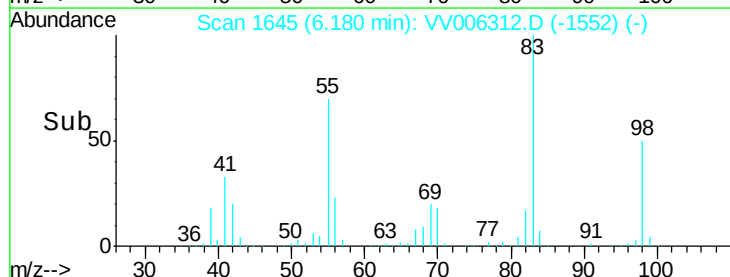
98 50.8 39.8 59.8

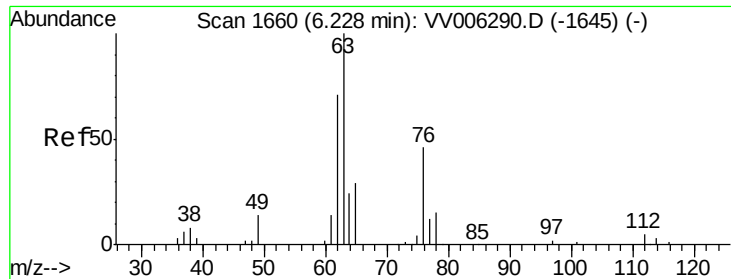


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

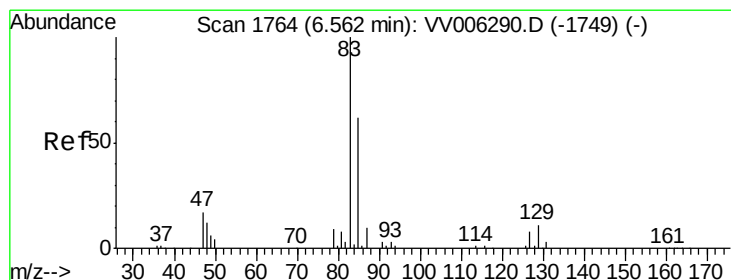
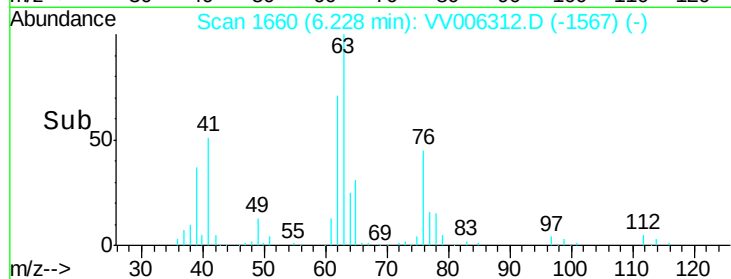
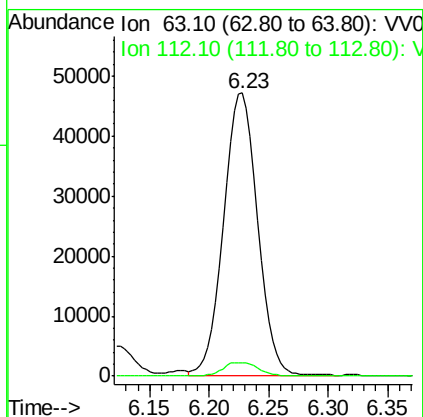
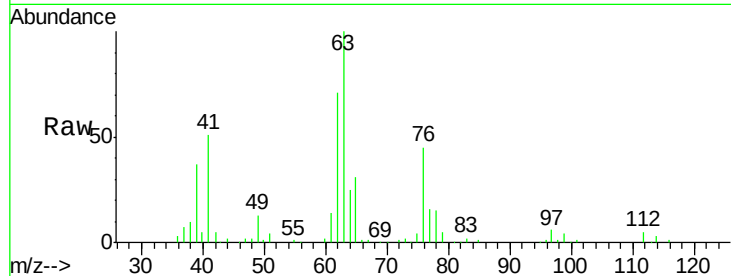




#37
 1,2-Dichloropropane
 Concen: 4.908 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

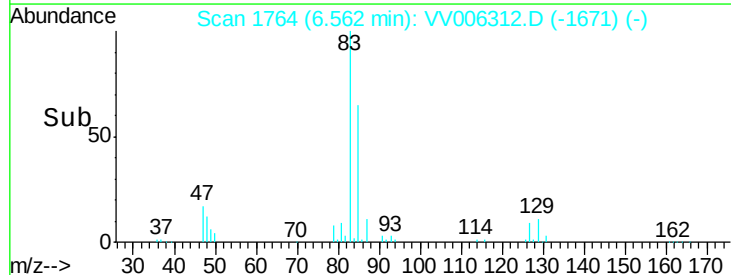
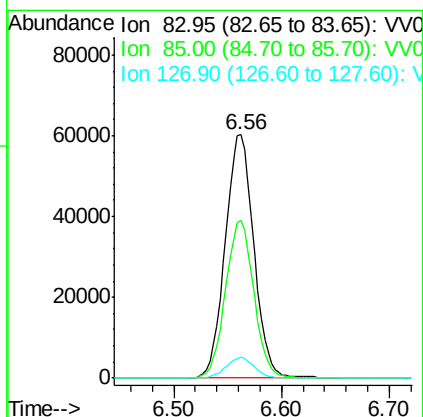
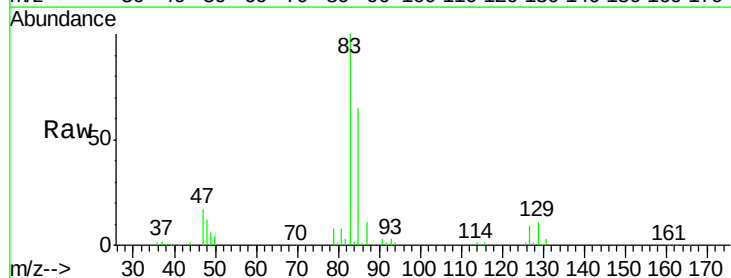
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

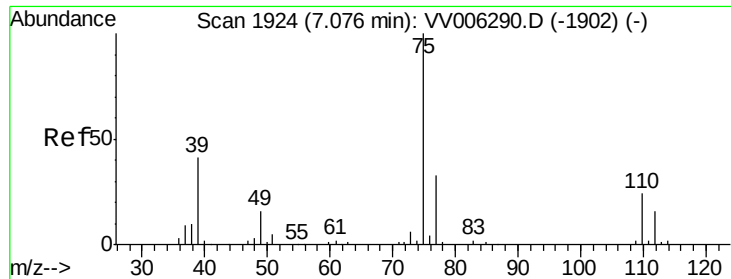
Tgt Ion: 63 Resp: 94167
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.370 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

Tgt Ion: 83 Resp: 111671
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.9 83.5
 127 8.5 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.384 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

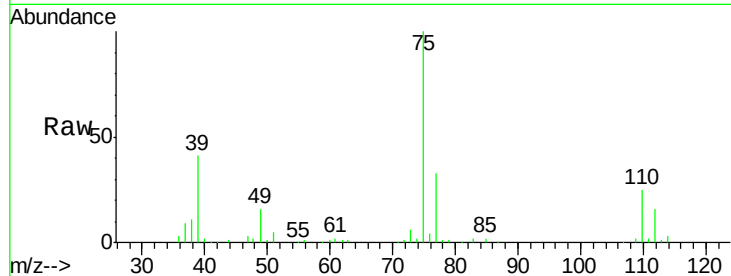
VSTD00568

Tgt Ion: 75 Resp: 137108

Ion Ratio Lower Upper

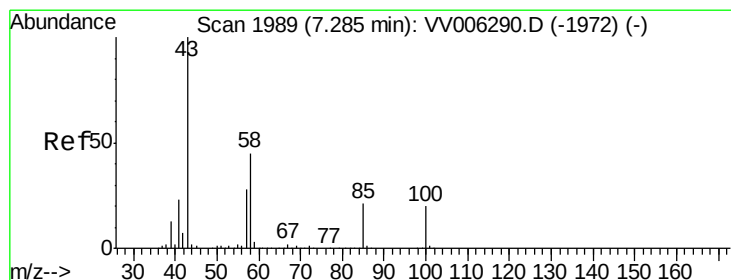
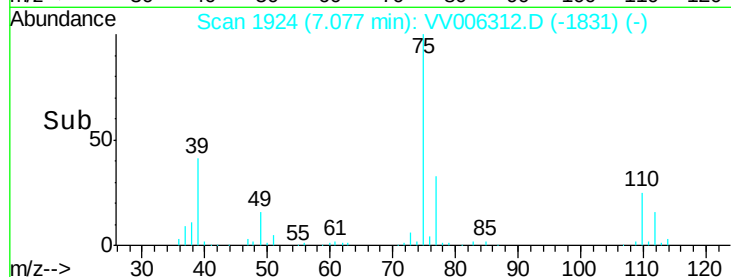
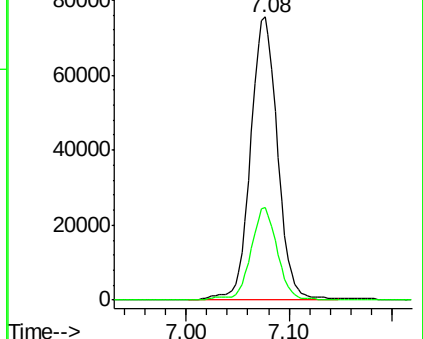
75 100

77 32.5 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 48.804 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

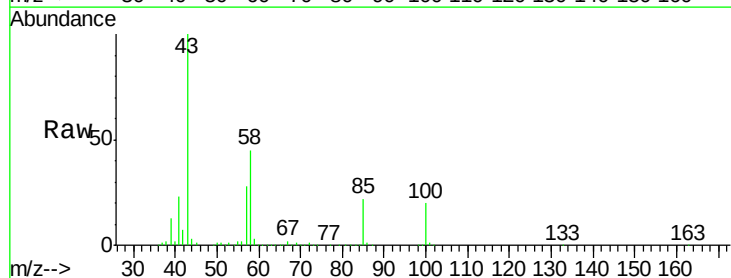
Tgt Ion: 43 Resp: 484325

Ion Ratio Lower Upper

43 100

58 44.4 36.0 54.0

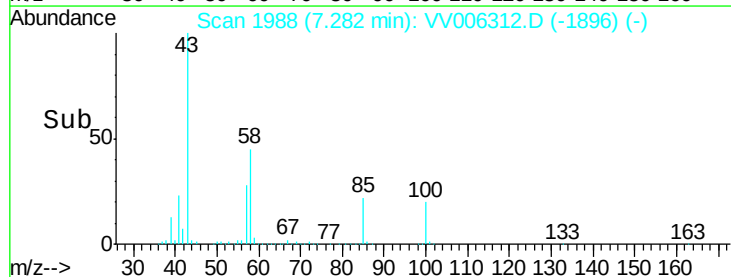
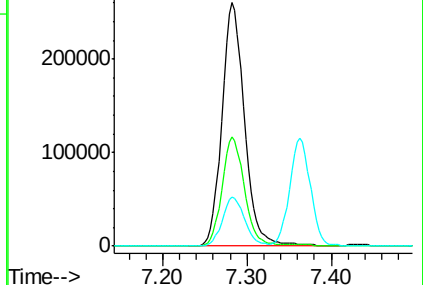
100 19.9 15.4 23.2

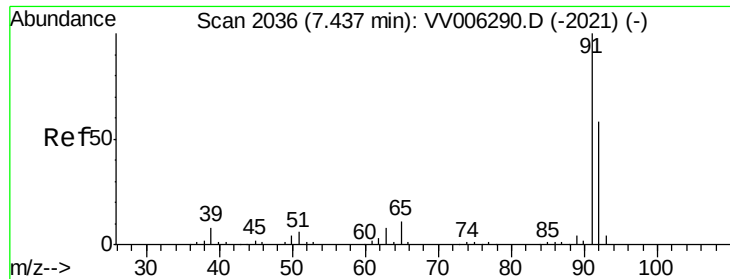


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.855 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

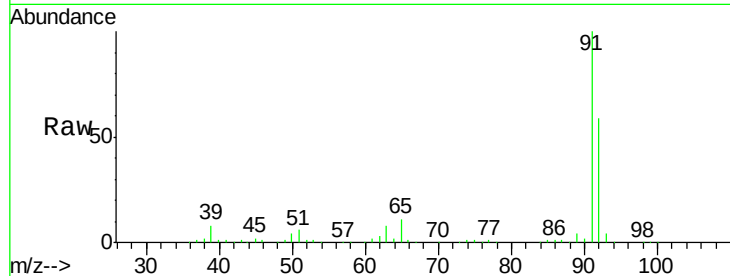
VSTD00568

Tgt Ion: 91 Resp: 429208

Ion Ratio Lower Upper

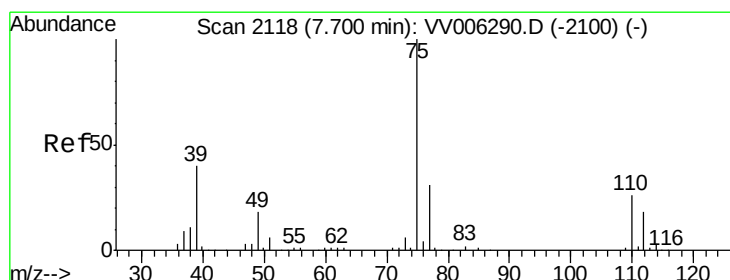
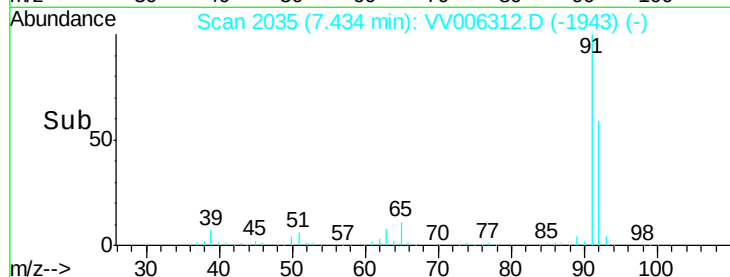
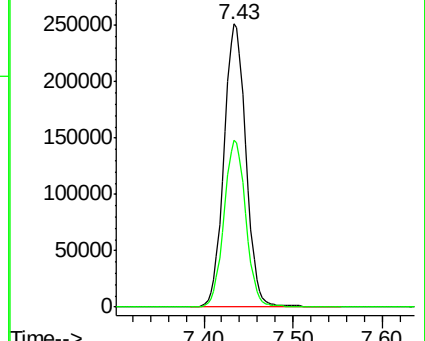
91 100

92 58.7 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV006312.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006312.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.181 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006312.D

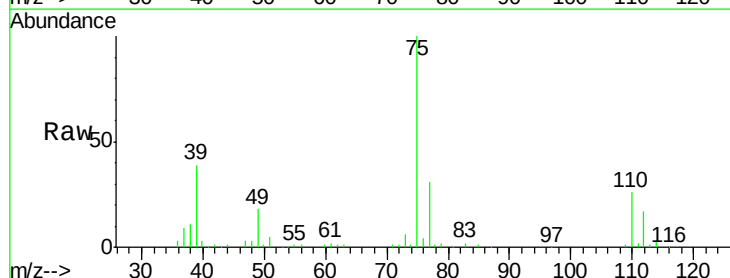
Acq: 16 Jun 2018 10:33

Tgt Ion: 75 Resp: 106054

Ion Ratio Lower Upper

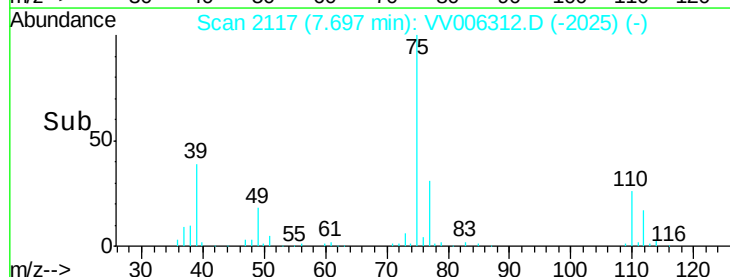
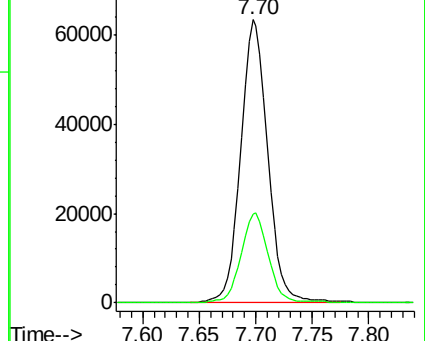
75 100

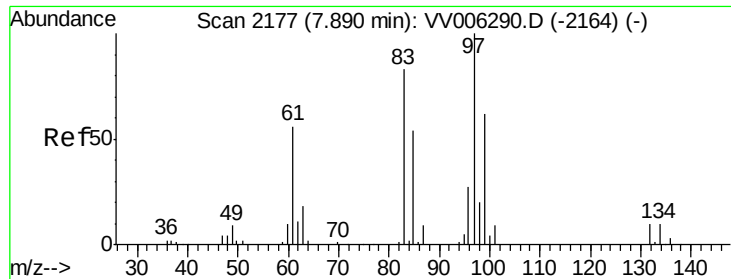
77 31.5 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV006312.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006312.D (-2025) (-)

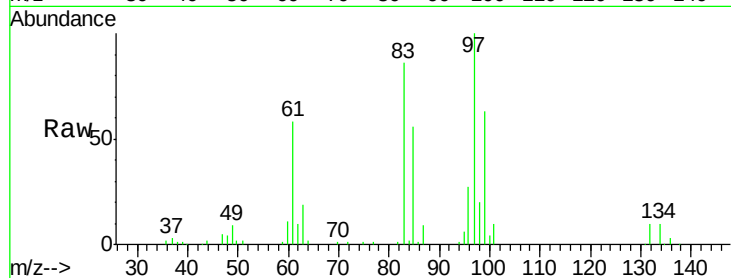




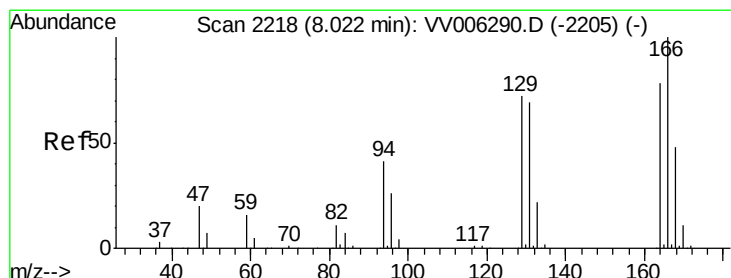
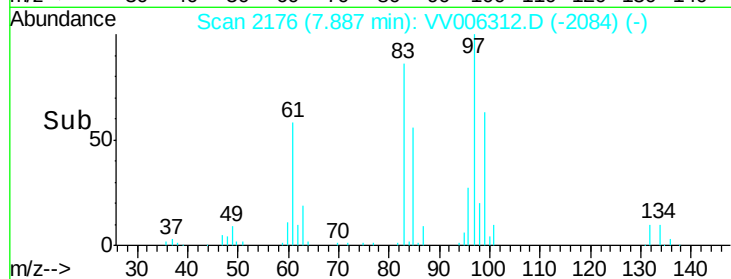
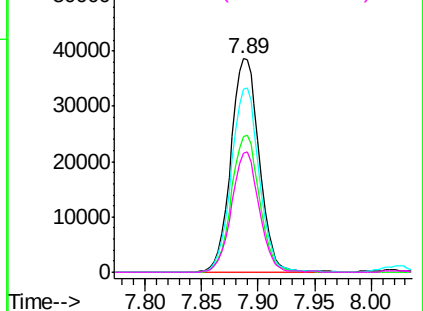
#45
 1,1,2-Trichloroethane
 Concen: 4.960 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion:	97	Resp:	67349
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.8	81.3
83	85.6	58.2	108.2
85	55.9	39.3	73.1

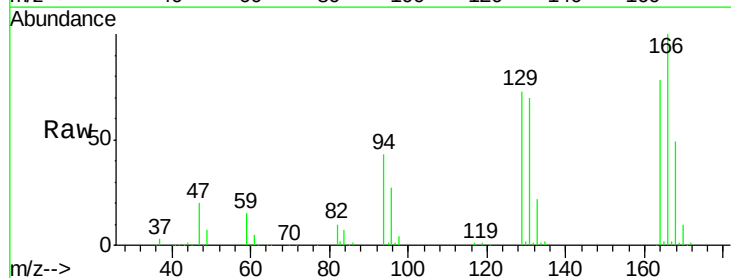


Abundance Ion 96.95 (96.65 to 97.65): VV006312.D (-2176) (-)
 Ion 99.05 (98.75 to 99.75): VV006312.D (-2176) (-)
 Ion 82.95 (82.65 to 83.65): VV006312.D (-2176) (-)
 Ion 85.00 (84.70 to 85.70): VV006312.D (-2176) (-)

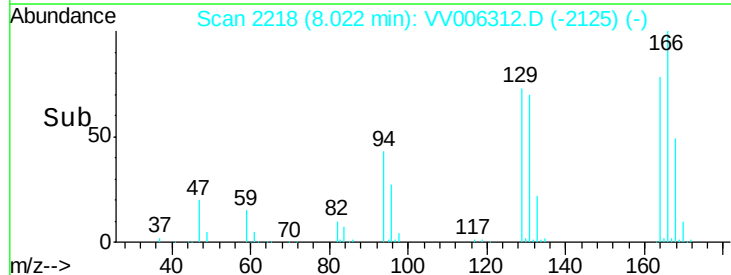
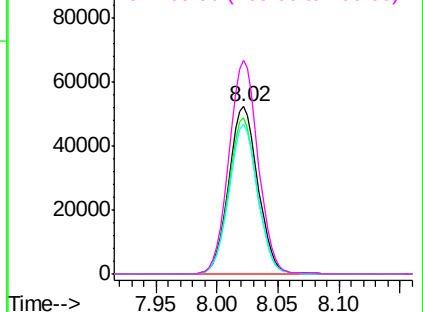


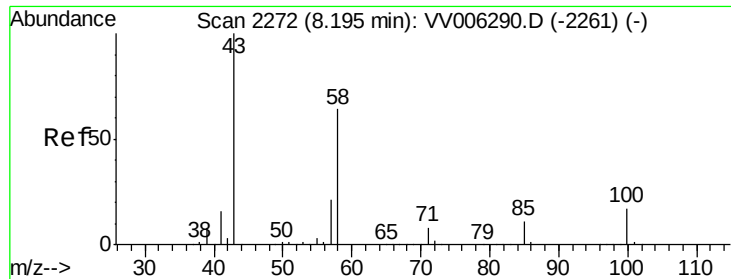
#47
 Tetrachloroethene
 Concen: 5.004 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

Tgt Ion:	164	Resp:	87550
Ion	Ratio	Lower	Upper
164	100		
129	92.9	62.7	116.5
131	89.5	61.0	113.2
166	127.5	89.5	166.3



Abundance Ion 163.90 (163.60 to 164.60): VV006312.D (-2218) (-)
 Ion 128.95 (128.65 to 129.65): VV006312.D (-2218) (-)
 Ion 130.95 (130.65 to 131.65): VV006312.D (-2218) (-)
 Ion 165.90 (165.60 to 166.60): VV006312.D (-2218) (-)

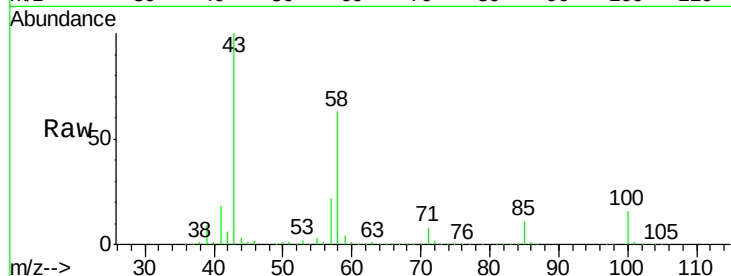




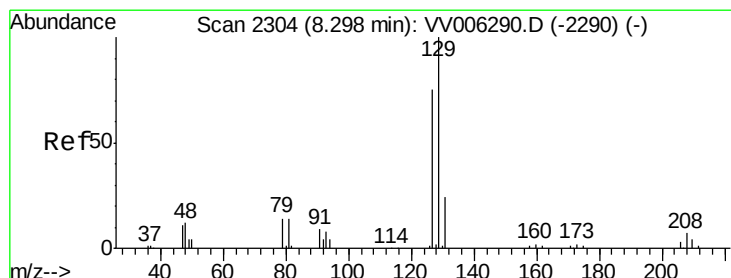
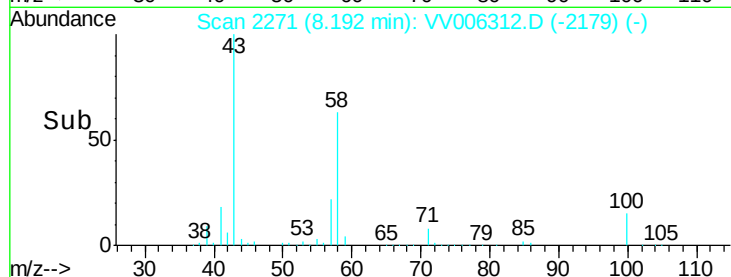
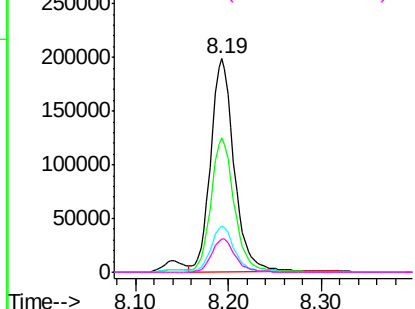
#48
2-Hexanone
Concen: 50.052 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006312.D
Acq: 16 Jun 2018 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion: 43 Resp: 349093
Ion Ratio Lower Upper
43 100
58 62.9 48.6 72.8
57 21.7 17.5 26.3
100 15.8 12.6 18.8

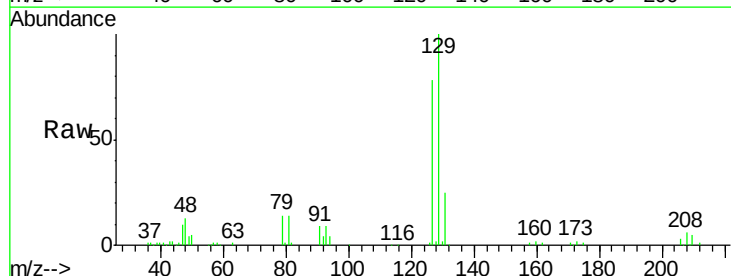


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

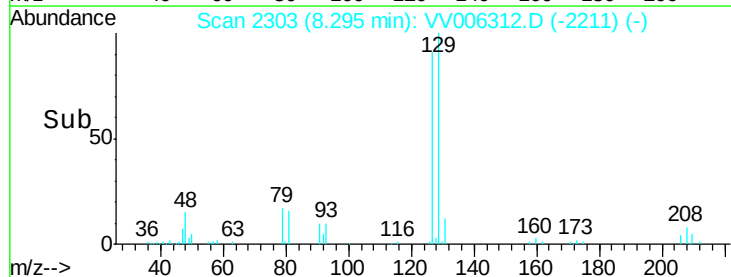
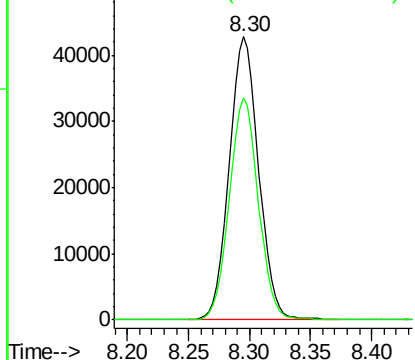


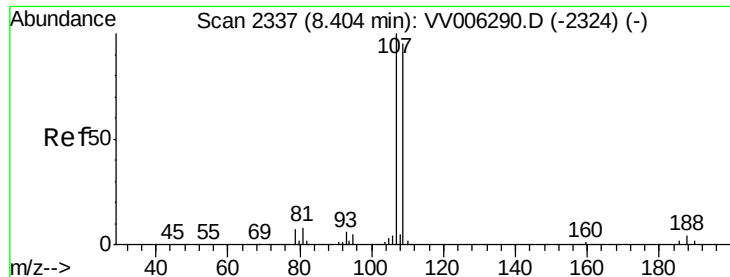
#49
Dibromochloromethane
Concen: 4.211 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006312.D
Acq: 16 Jun 2018 10:33

Tgt Ion: 129 Resp: 72006
Ion Ratio Lower Upper
129 100
127 78.2 55.2 102.4



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

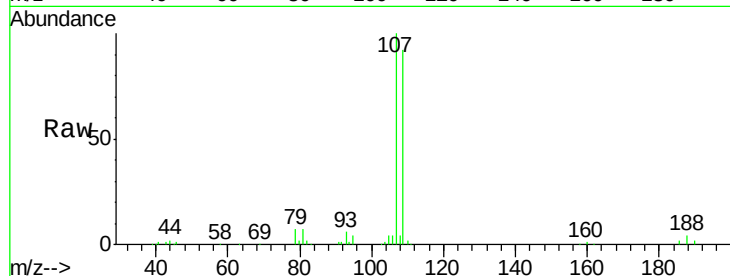




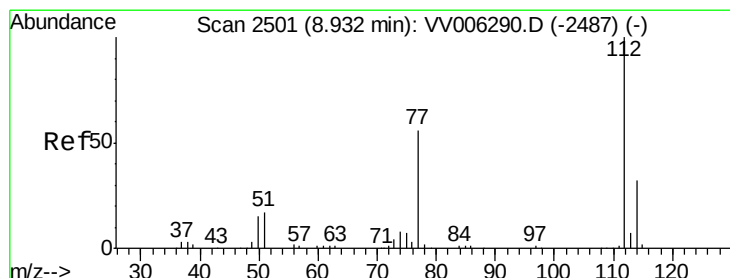
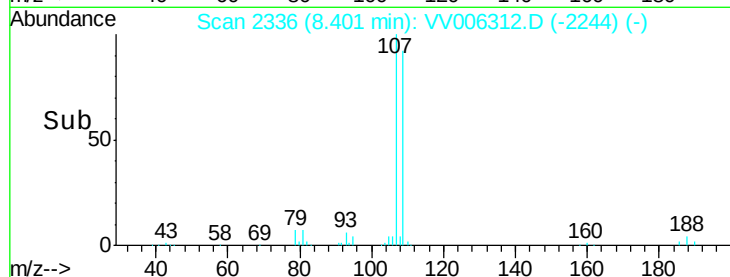
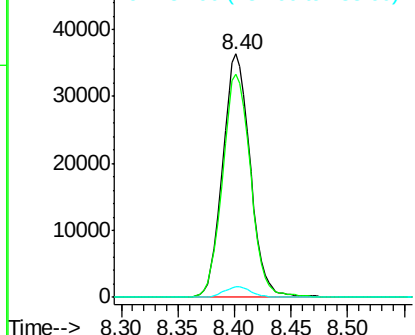
#50
1,2-Dibromoethane
Concen: 4.885 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006312.D
Acq: 16 Jun 2018 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion:107 Resp: 61807
Ion Ratio Lower Upper
107 100
109 91.6 66.8 124.2
188 4.3 3.4 5.0

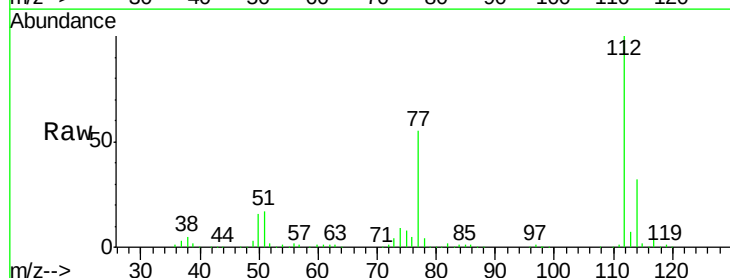


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

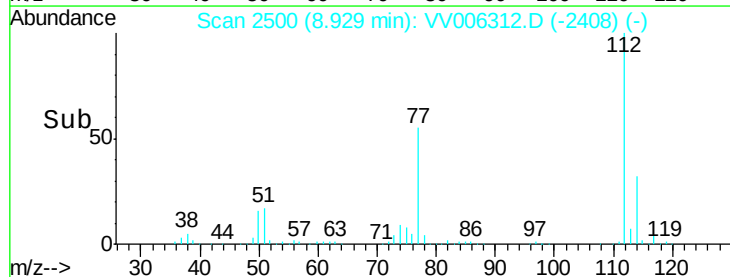
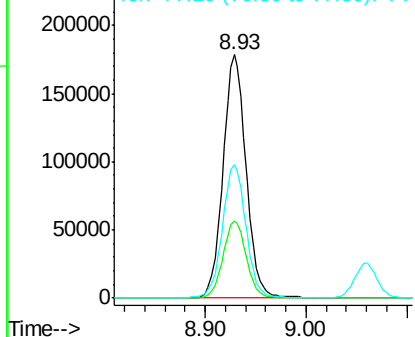


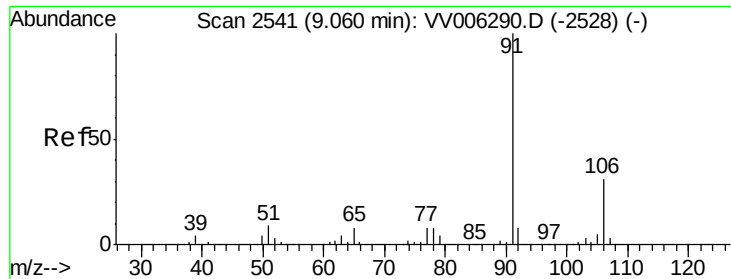
#51
Chlorobenzene
Concen: 5.022 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006312.D
Acq: 16 Jun 2018 10:33

Tgt Ion:112 Resp: 285028
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 55.1 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: 4.873 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

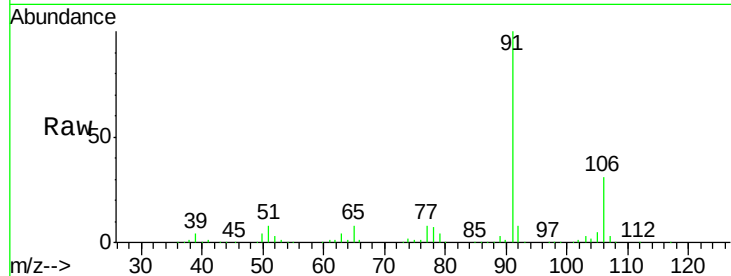
VSTD00568

Tgt Ion: 91 Resp: 479922

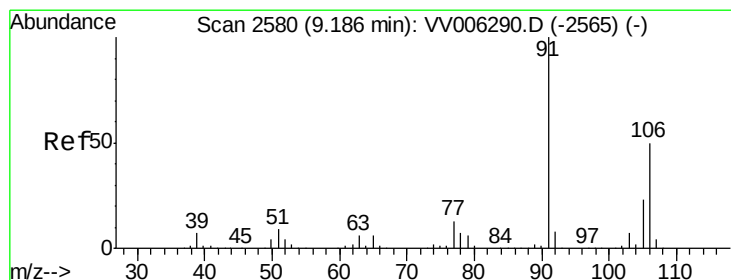
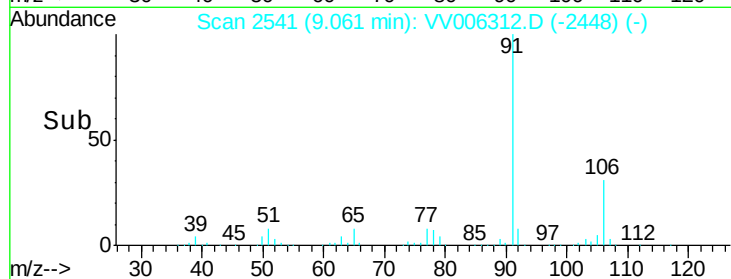
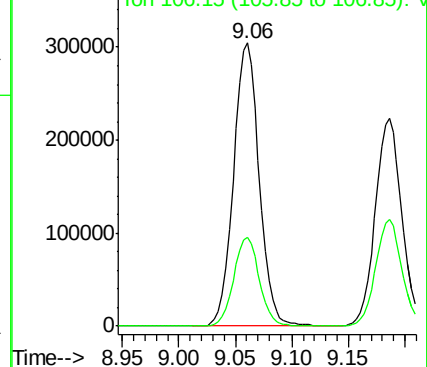
Ion Ratio Lower Upper

91 100

106 31.4 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV006312.D (-2448) (-)



#53

m,p-xylene

Concen: 4.838 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006312.D

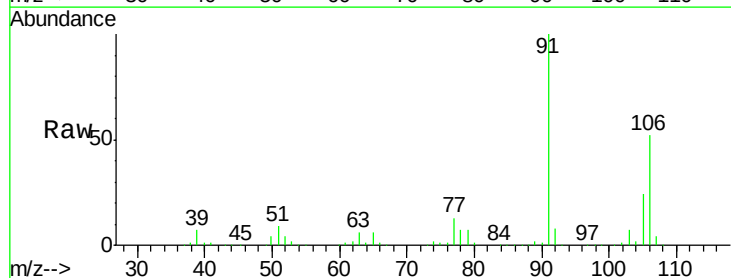
Acq: 16 Jun 2018 10:33

Tgt Ion: 106 Resp: 185904

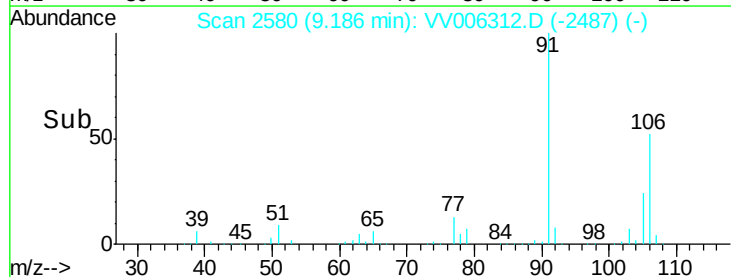
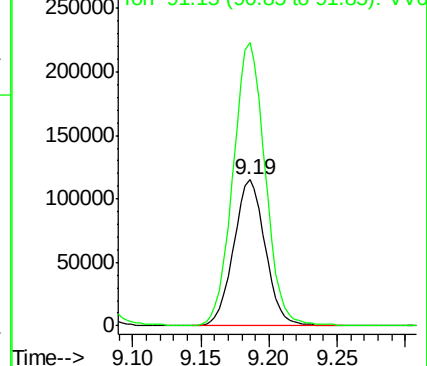
Ion Ratio Lower Upper

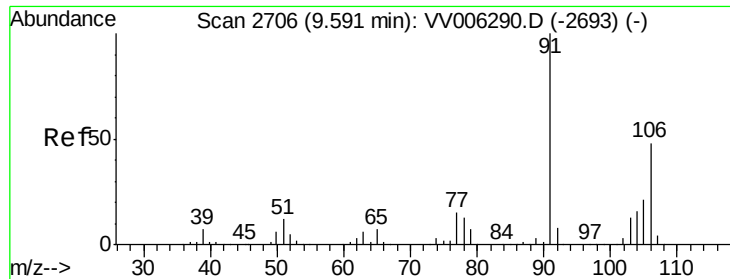
106 100

91 193.4 139.7 259.4



Abundance Ion 106.15 (105.85 to 106.85): VV006312.D (-2487) (-)





#54

o-xylene

Concen: 4.842 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

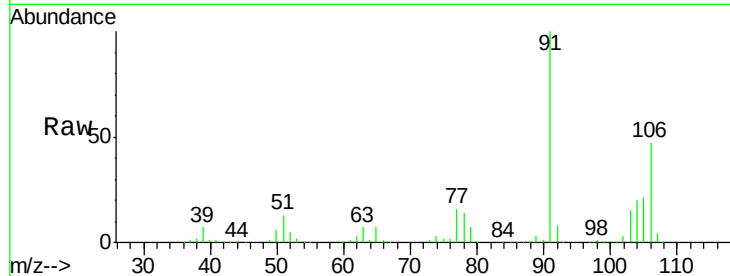
VSTD00568

Tgt Ion:106 Resp: 181944

Ion Ratio Lower Upper

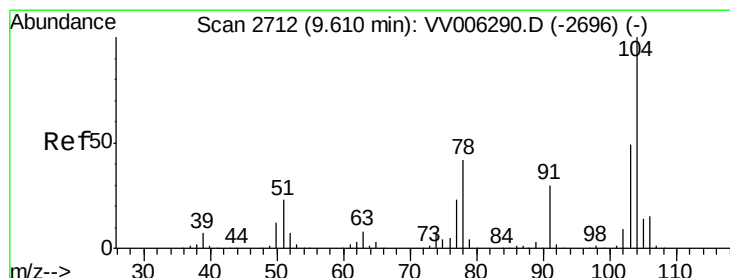
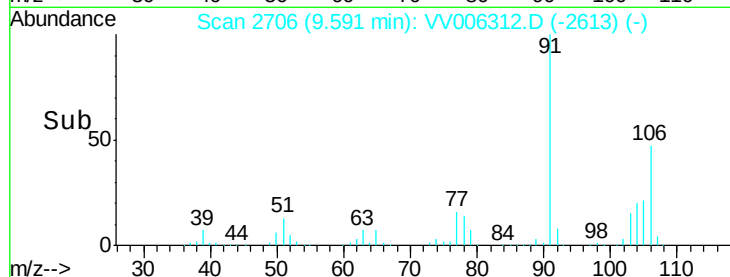
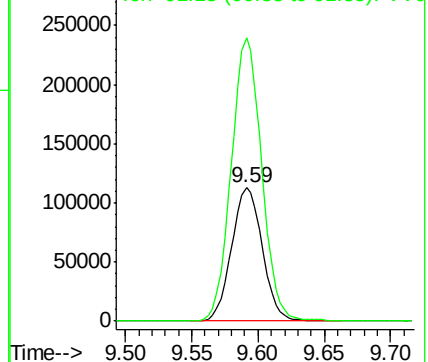
106 100

91 212.7 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.847 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006312.D

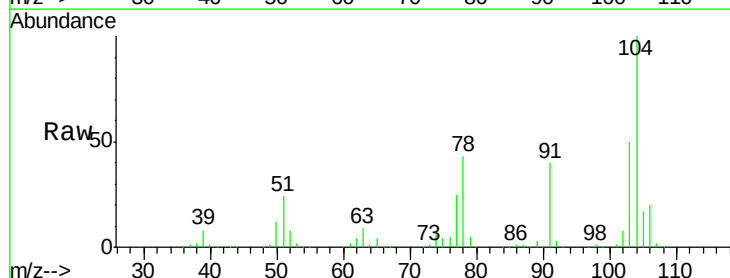
Acq: 16 Jun 2018 10:33

Tgt Ion:104 Resp: 299606

Ion Ratio Lower Upper

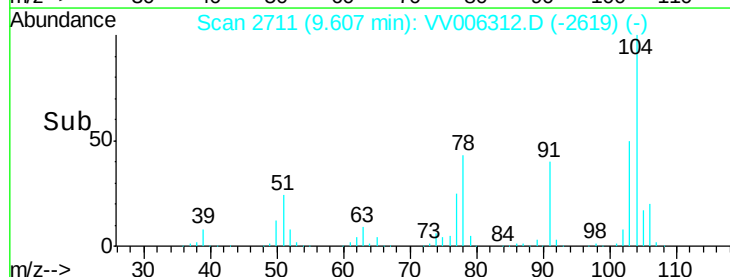
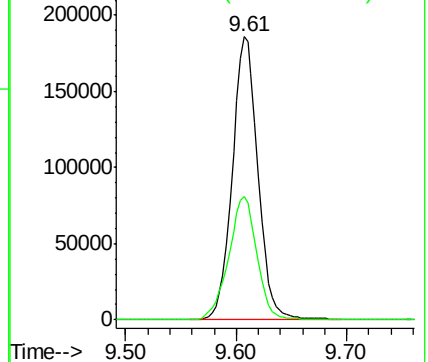
104 100

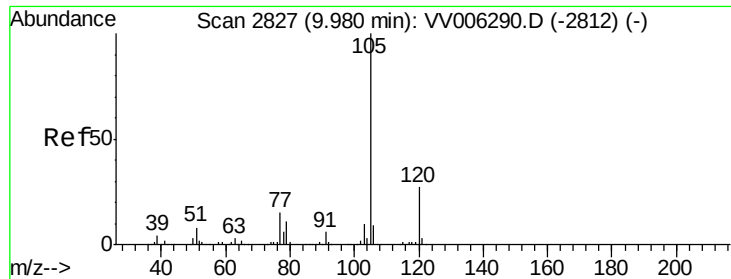
78 43.5 30.6 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

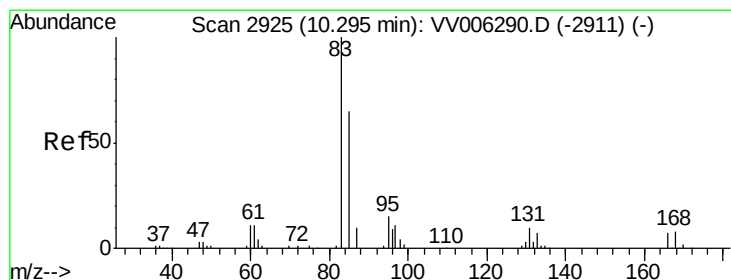
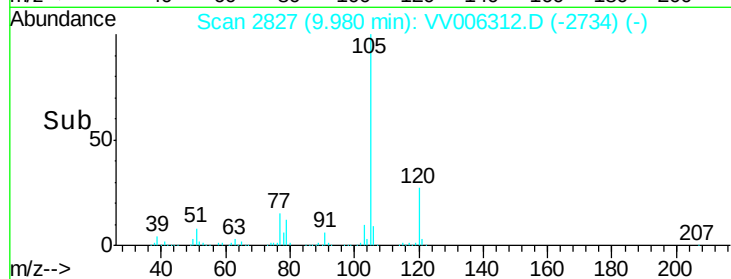
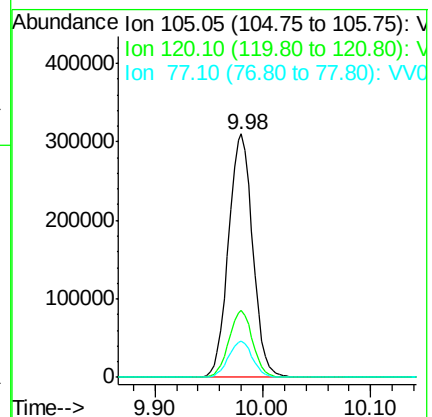
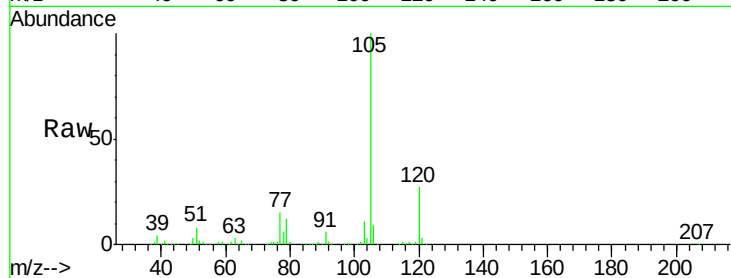




#56
Isopropylbenzene
Concen: 4.899 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. 0.00 min
Lab File: VV006312.D
Acq: 16 Jun 2018 10:33

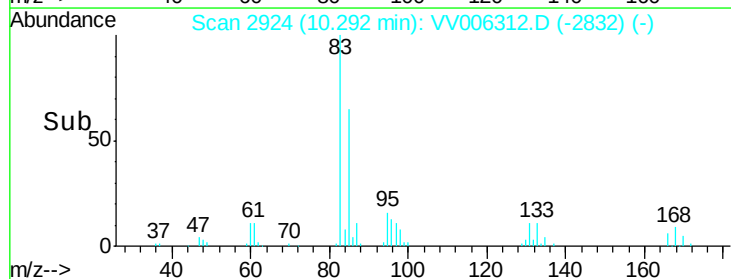
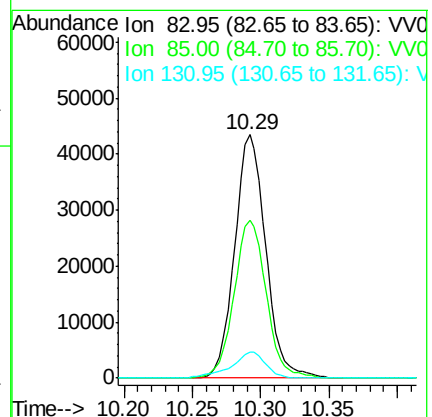
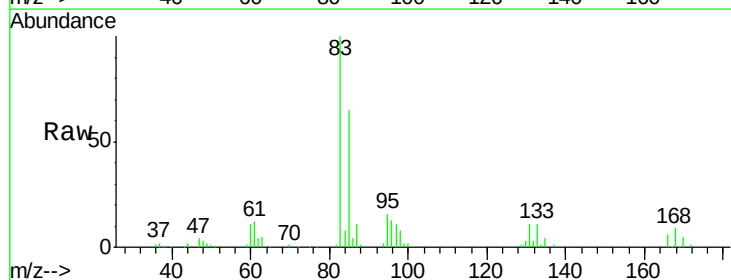
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

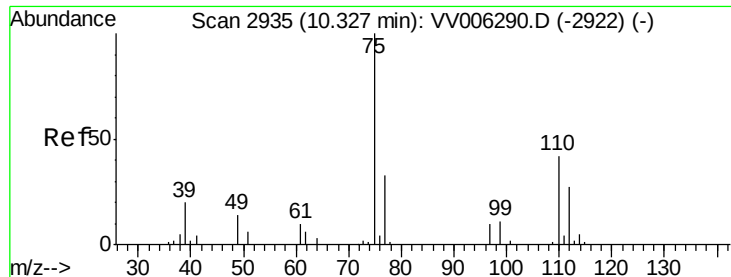
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.4	32.2
77	14.8	11.9	17.9



#58
1,1,2,2-Tetrachloroethane
Concen: 4.425 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VV006312.D
Acq: 16 Jun 2018 10:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	45.0	83.6
131	10.7	8.3	12.5

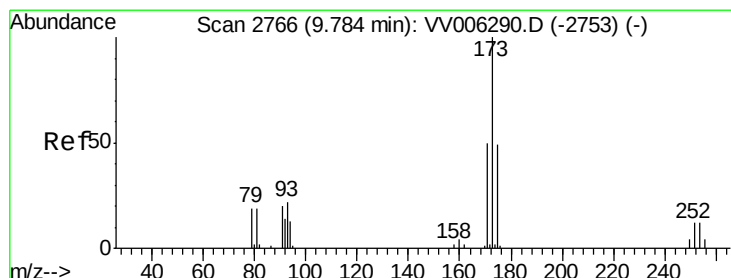
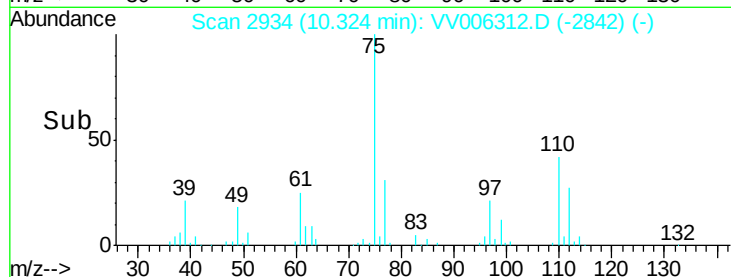
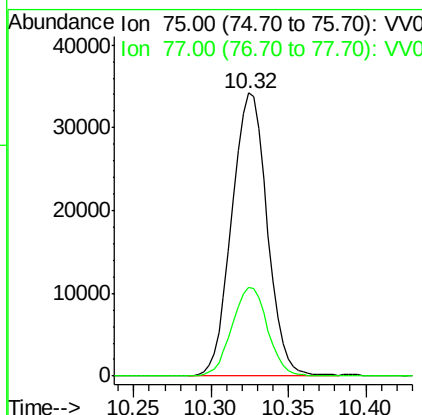
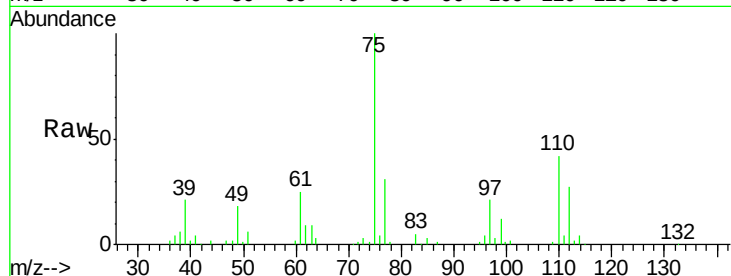




#59
 1,2,3-Trichloropropane
 Concen: 5.033 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

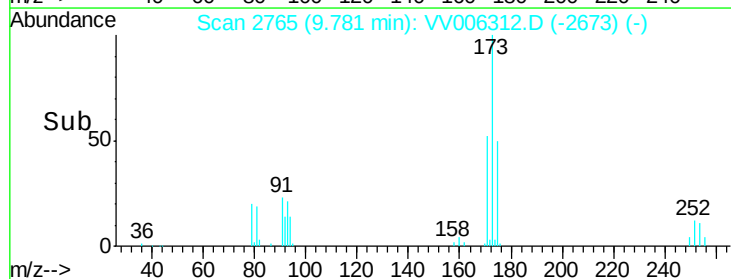
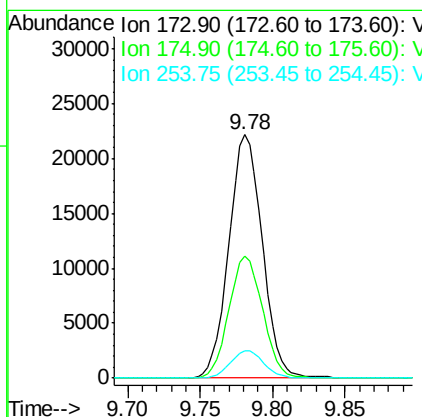
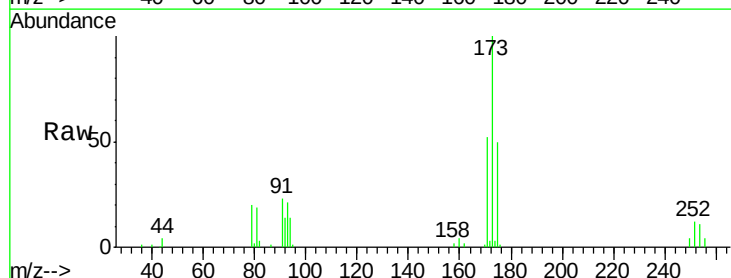
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

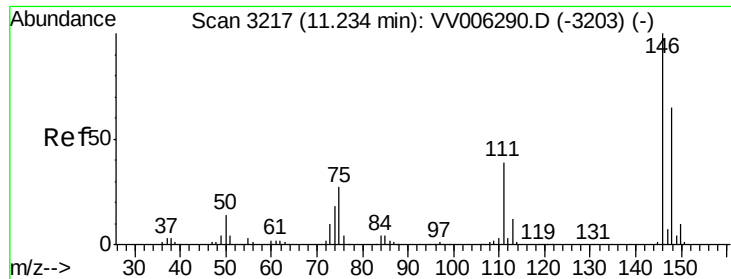
Tgt Ion: 75 Resp: 54413
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.7 38.5



#61
 Bromoform
 Concen: 3.693 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

Tgt Ion: 173 Resp: 35467
 Ion Ratio Lower Upper
 173 100
 175 50.4 39.3 58.9
 254 11.1 9.1 13.7

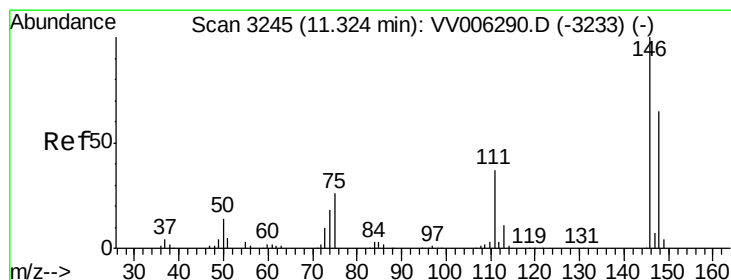
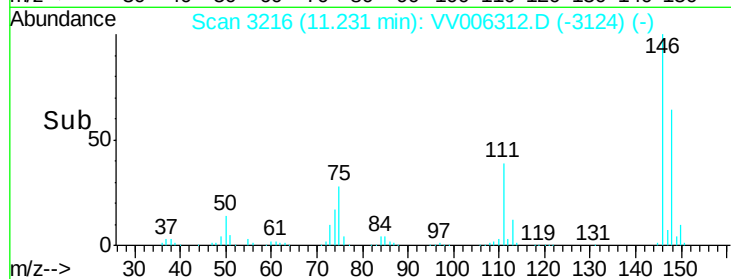
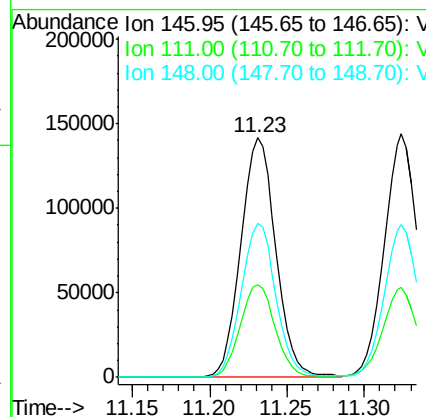
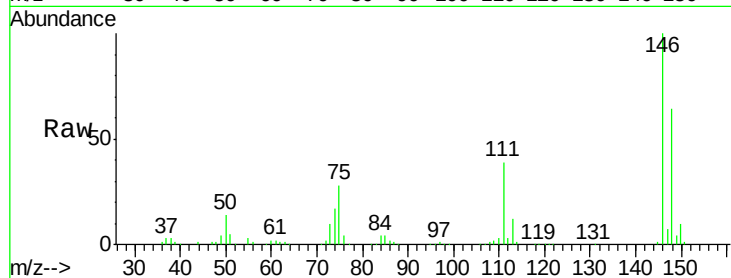




#62
 1,3-Dichlorobenzene
 Concen: 5.004 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

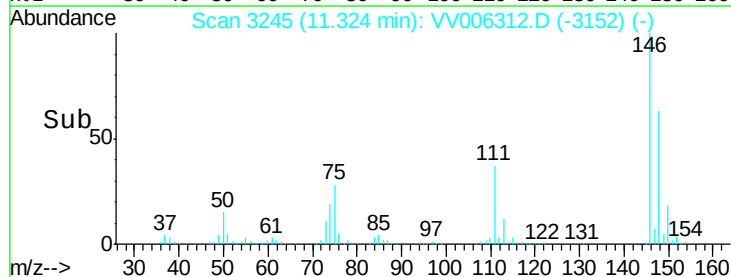
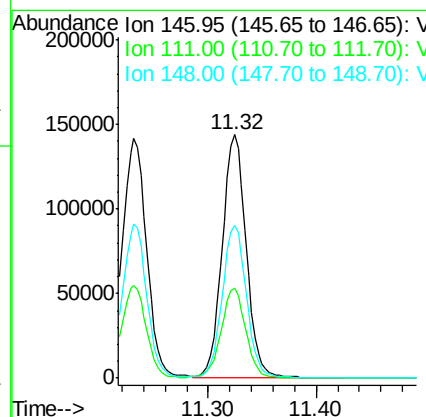
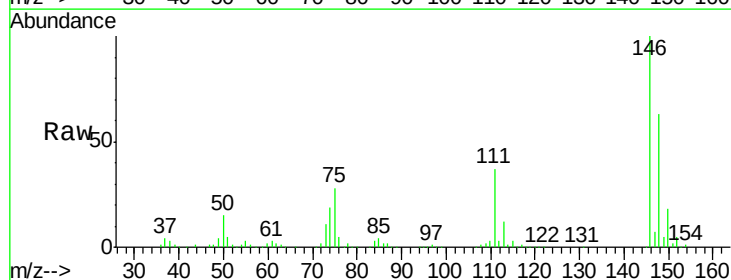
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

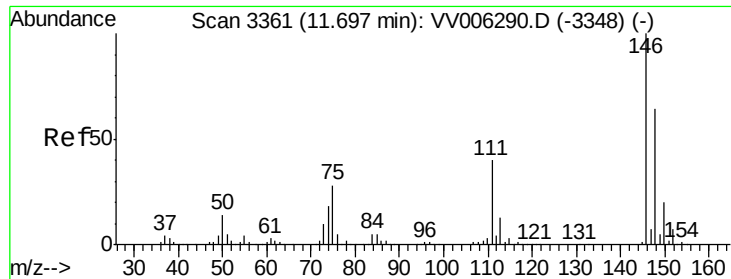
Tgt Ion:146 Resp: 223117
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.6 51.2
 148 64.5 45.1 83.7



#63
 1,4-Dichlorobenzene
 Concen: 5.053 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

Tgt Ion:146 Resp: 222832
 Ion Ratio Lower Upper
 146 100
 111 37.0 26.9 50.1
 148 62.8 44.8 83.2

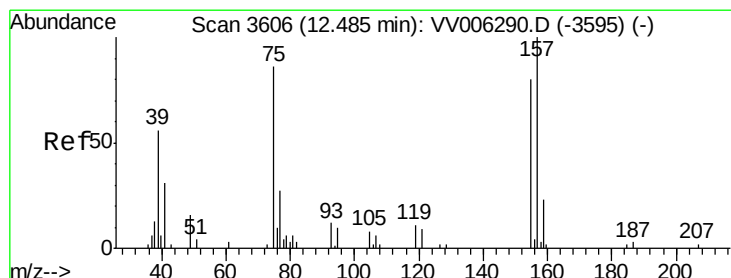
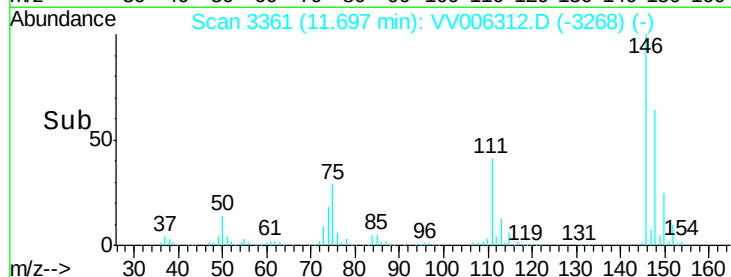
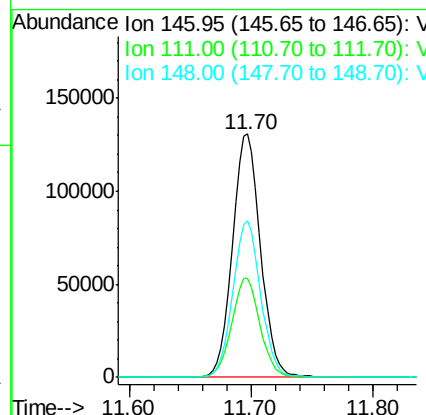
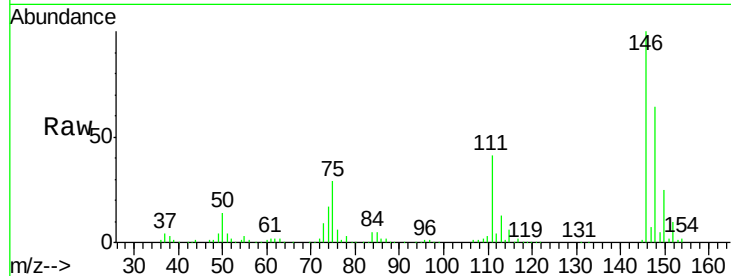




#65
 1,2-Dichlorobenzene
 Concen: 5.107 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

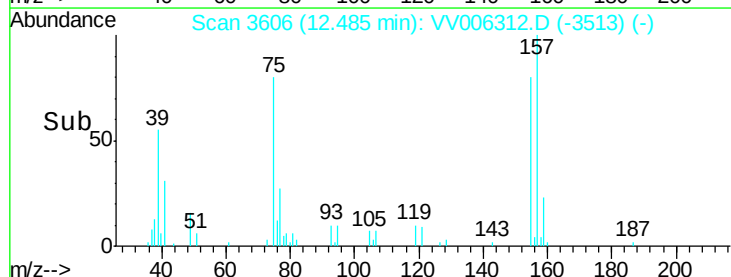
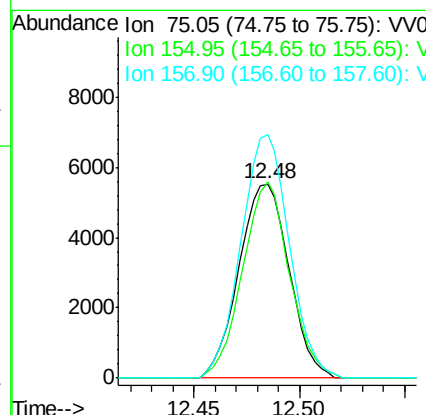
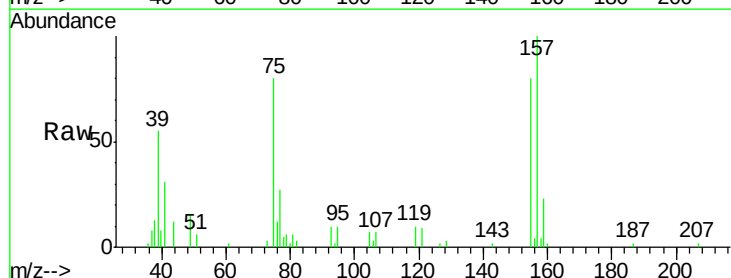
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

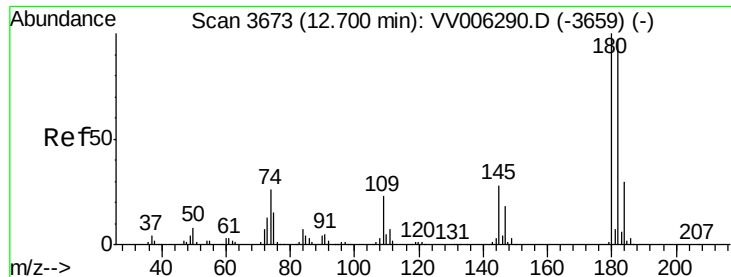
Tgt Ion: 146 Resp: 210062
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.8 49.2
 148 64.4 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.378 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

Tgt Ion: 75 Resp: 9131
 Ion Ratio Lower Upper
 75 100
 155 100.8 70.3 105.5
 157 125.3 93.8 140.6

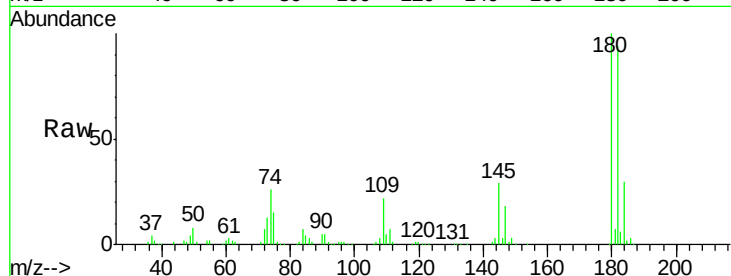




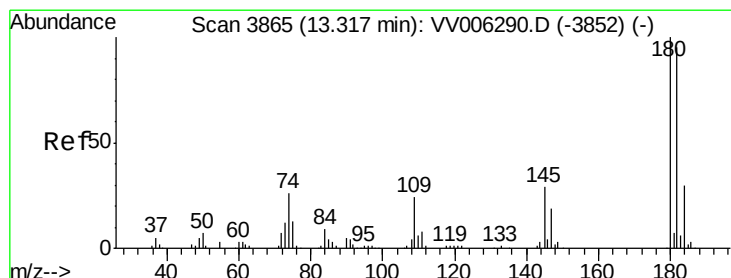
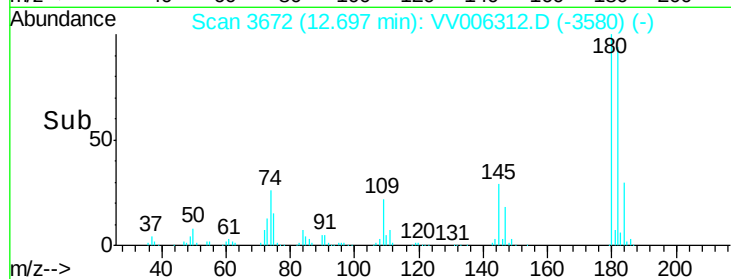
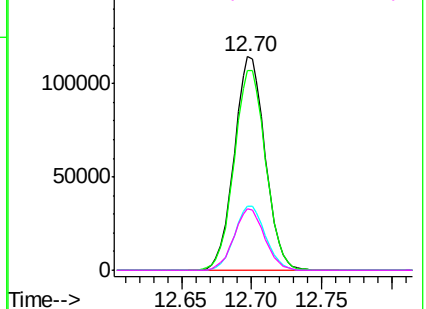
#67
 1,3,5-Trichlorobenzene
 Concen: 5.124 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion:180 Resp: 175829
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.4 113.2
 184 30.0 24.3 36.5
 145 28.4 23.1 34.7

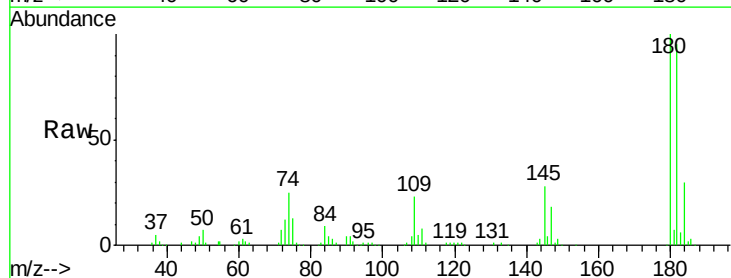


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

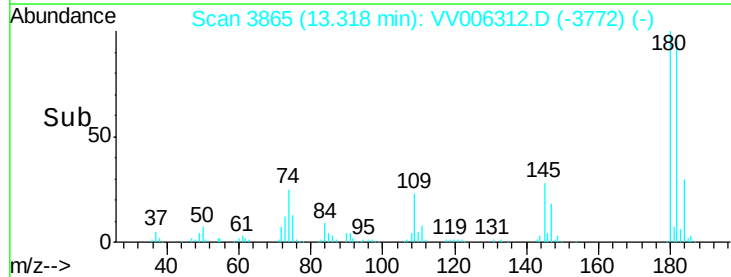
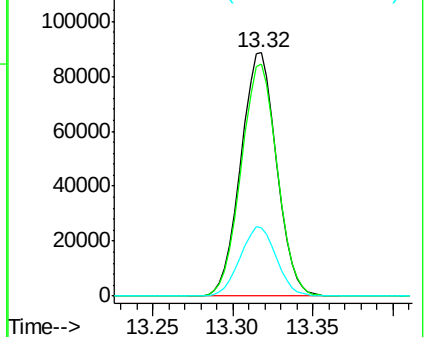


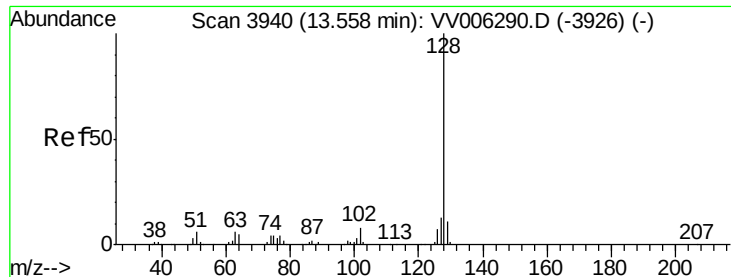
#68
 1,2,4-trichlorobenzene
 Concen: 5.096 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006312.D
 Acq: 16 Jun 2018 10:33

Tgt Ion:180 Resp: 135228
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.7 115.1
 145 28.7 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: 4.558 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

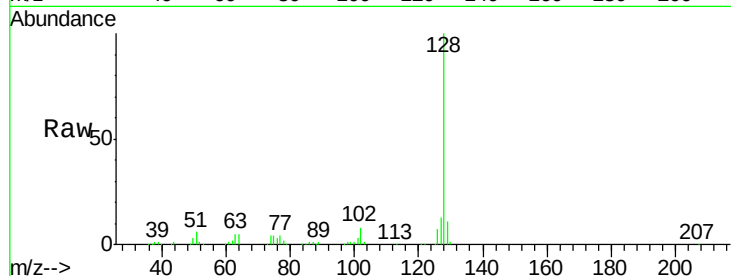
Tgt Ion:128 Resp: 203506

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

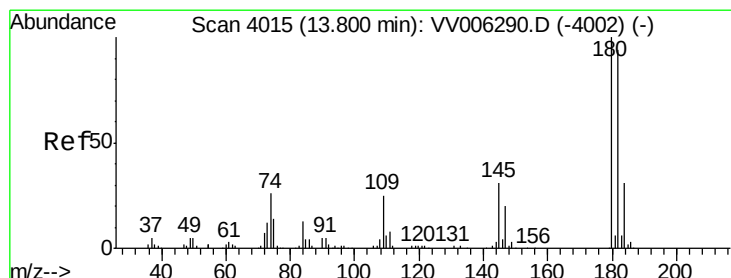
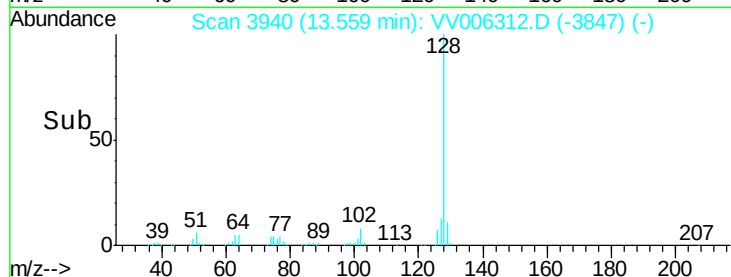
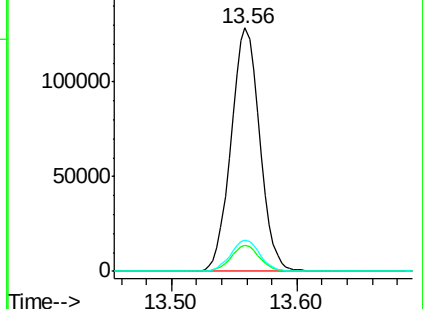
127 12.9 10.1 15.1



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: 5.158 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006312.D

Acq: 16 Jun 2018 10:33

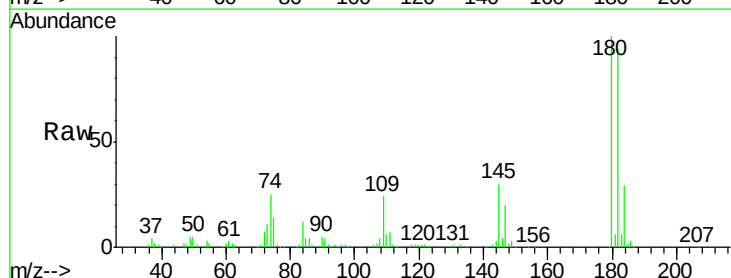
Tgt Ion:180 Resp: 125725

Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.2

145 30.7 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

