

Data File : VV006616.D
Acq On : 17 Jul 2018 13:33
Operator : SY/MD
Sample : VSTD01078
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01078

Quant Time: Jul 17 13:52:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 17 13:43:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	241440	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	226179	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	112603	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	227950	17.37	ug/L	0.00
7) Chloroethane-d5	1.57	69	168862	14.74	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	388546	15.91	ug/L	0.00
20) 2-Butanone-d5	3.96	46	304278	91.26	ug/L	0.00
24) Chloroform-d	4.41	84	366796	14.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	180150	15.02	ug/L	0.00
32) Benzene-d6	5.10	84	769755	14.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	240463	14.37	ug/L	0.00
41) Toluene-d8	7.36	98	715481	15.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	87476	15.41	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	483284	168.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	191369	14.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	260334	13.44	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	248381	13.117	ug/L	# 80
3) Chloromethane	1.26	50	281989	12.176	ug/L	99
5) Vinyl chloride	1.32	62	296091	13.775	ug/L	99
6) Bromomethane	1.52	94	119035	11.948	ug/L	98
8) Chloroethane	1.59	64	164314	12.594	ug/L	99
9) Trichlorofluoromethane	1.76	101	319524	13.211	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	191761	12.834	ug/L	99
12) 1,1-Dichloroethene	2.14	96	196652	13.008	ug/L	97
13) Acetone	2.19	43	320649	152.059	ug/L	99
14) Carbon disulfide	2.31	76	619195	13.695	ug/L	99
15) Methyl Acetate	2.46	43	92814	14.952	ug/L	99
16) Methylene chloride	2.54	84	221770	13.011	ug/L	100
17) Methyl tert-butyl Ether	2.81	73	508477	14.200	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	217179	13.169	ug/L	99
19) 1,1-Dichloroethane	3.23	63	401938	14.043	ug/L	98
21) 2-Butanone	4.04	43	594822	171.919	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	231121	13.044	ug/L	99
23) Bromochloromethane	4.30	128	94600	13.035	ug/L	97
25) Chloroform	4.43	83	375492	13.189	ug/L	99
27) 1,2-Dichloroethane	5.19	62	224846	13.907	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	305978	12.912	ug/L	100
30) Cyclohexane	4.72	56	327213	12.976	ug/L	# 85
31) Carbon tetrachloride	4.88	117	254723	12.848	ug/L	99
33) Benzene	5.15	78	882652	13.075	ug/L	100
34) Trichloroethene	5.96	95	213641	12.339	ug/L	99
35) Methylcyclohexane	6.18	83	352854	12.655	ug/L	100
37) 1,2-Dichloropropane	6.23	63	219376	13.286	ug/L	100
38) Bromodichloromethane	6.56	83	253762	13.630	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	311177	14.041	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	1340927	160.219	ug/L	99

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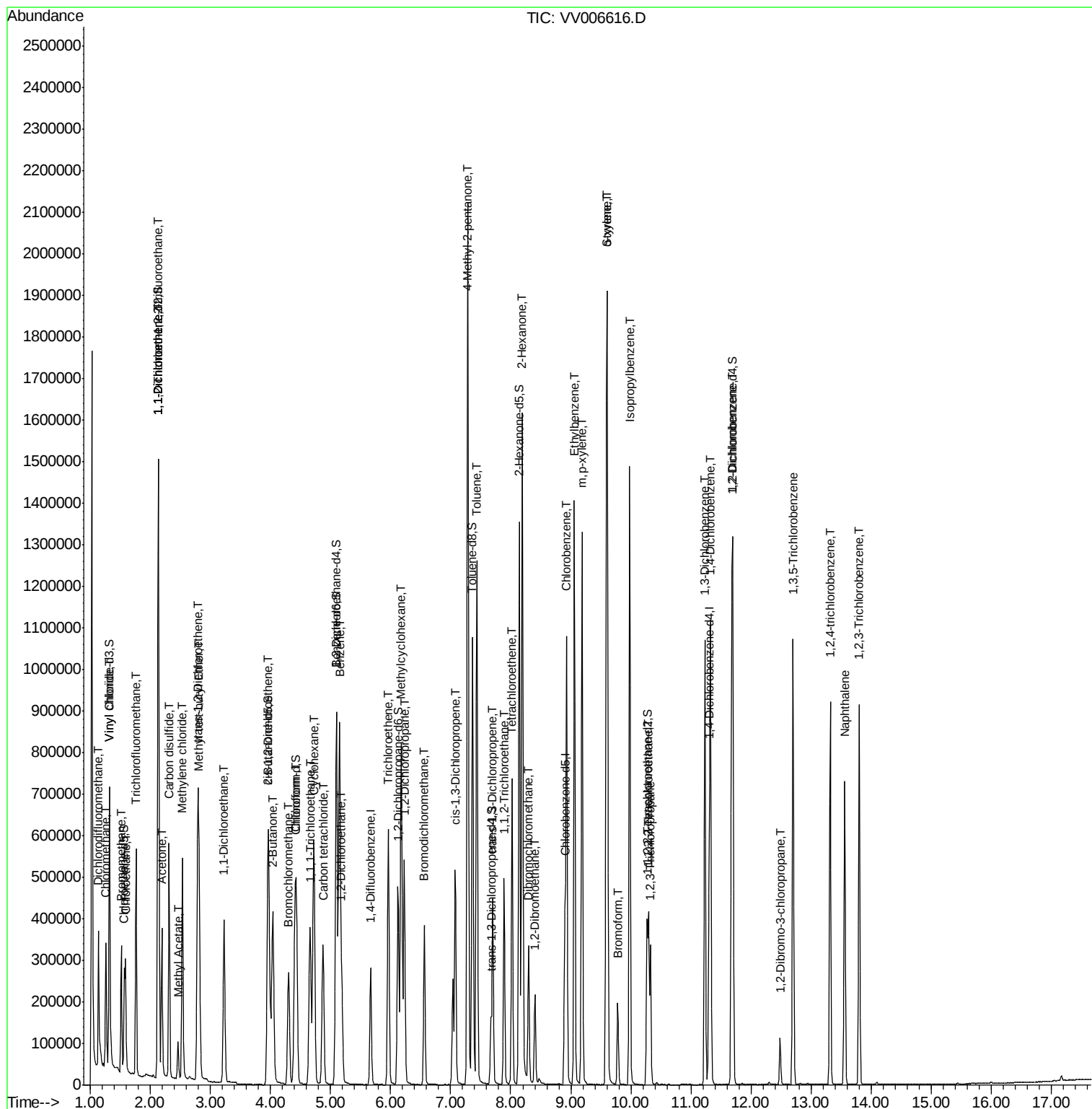
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	913813	13.014	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	247243	14.452	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	154634	13.385	ug/L	99
47) Tetrachloroethene	8.02	164	168858	11.859	ug/L	96
48) 2-Hexanone	8.19	43	957852	161.408	ug/L	100
49) Dibromochloromethane	8.30	129	168380	13.976	ug/L	98
50) 1,2-Dibromoethane	8.40	107	141514	13.456	ug/L	98
51) Chlorobenzene	8.93	112	581928	12.669	ug/L	100
52) Ethylbenzene	9.06	91	983925	13.189	ug/L	99
53) m,p-xylene	9.19	106	382759	13.317	ug/L	98
54) o-xylene	9.59	106	375260	13.338	ug/L	100
55) Styrene	9.61	104	653626	13.817	ug/L	100
56) Isopropylbenzene	9.98	105	955499	13.242	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	195760	14.361	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	139788	14.228	ug/L	99
61) Bromoform	9.78	173	86990	13.486	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	439144	12.365	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	443636	12.288	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	430624	12.552	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	27356	14.922	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	346263	12.307	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	288699	12.896	ug/L	100
69) Naphthalene	13.56	128	567796	14.937	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	277379	13.217	ug/L	100

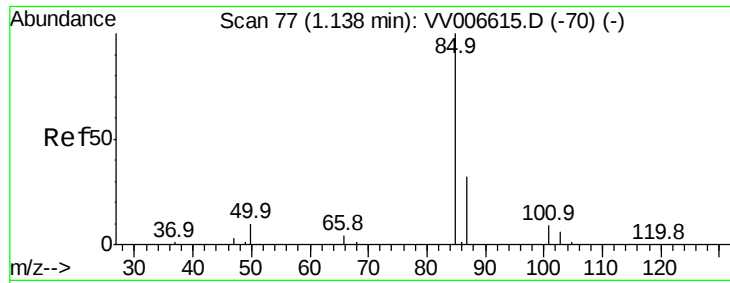
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 13.117 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

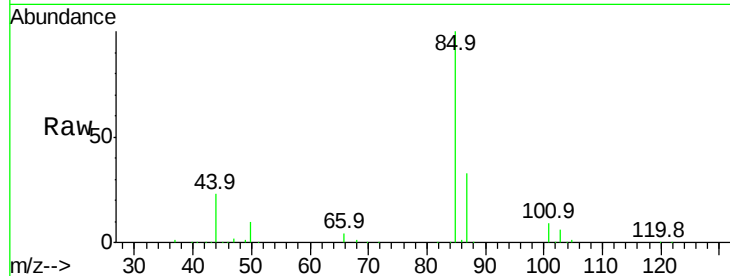
VSTD01078

Tgt Ion: 85 Resp: 248381

Ion Ratio Lower Upper

85 100

87 32.6 18.3 27.5#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

150000

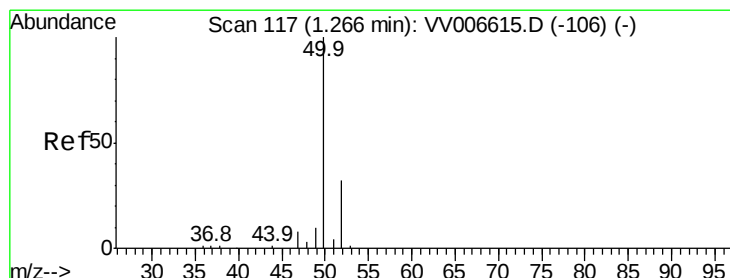
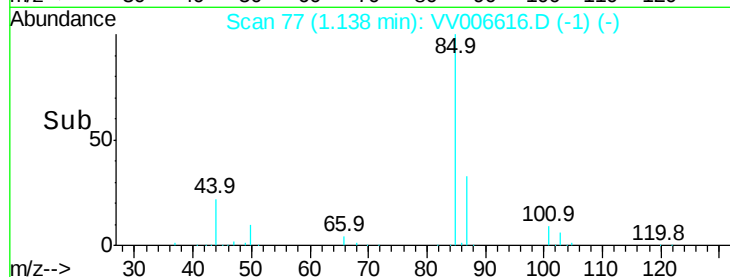
100000

50000

0

Time-->

1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 12.176 ug/L

RT: 1.26 min Scan# 115

Delta R.T. -0.01 min

Lab File: VV006616.D

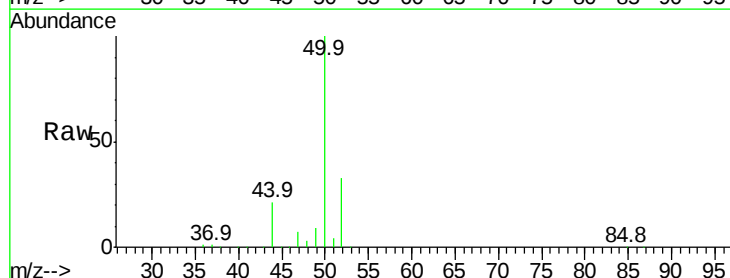
Acq: 17 Jul 2018 13:33

Tgt Ion: 50 Resp: 281989

Ion Ratio Lower Upper

50 100

52 33.1 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.26

200000

150000

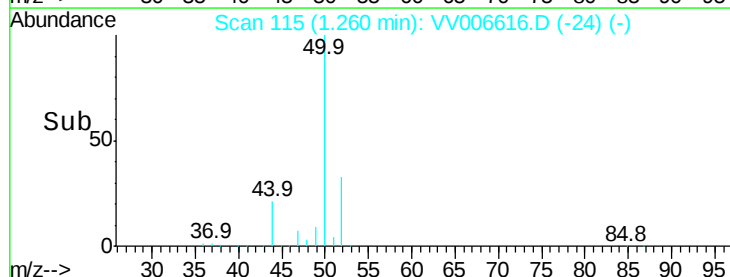
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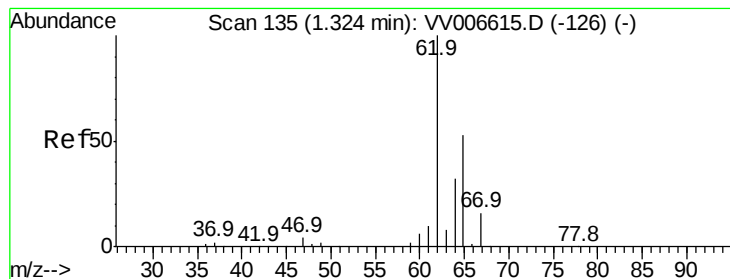
50000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 13.775 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampled :

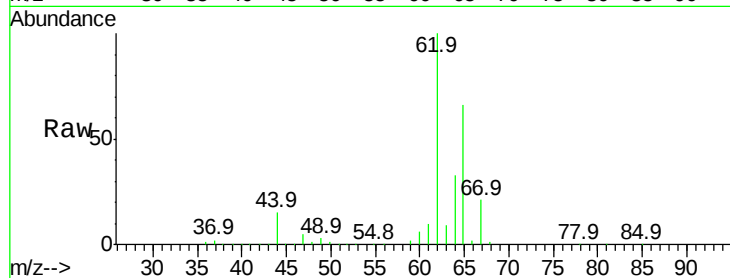
VSTD01078

Tgt Ion: 62 Resp: 296091

Ion Ratio Lower Upper

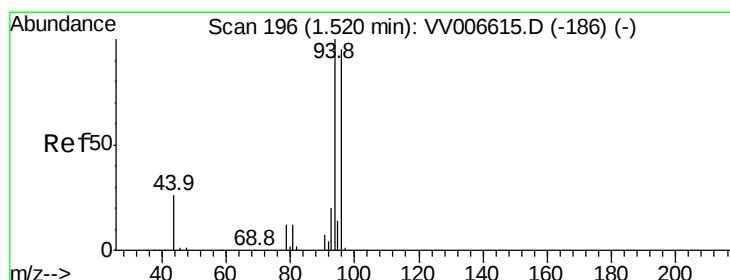
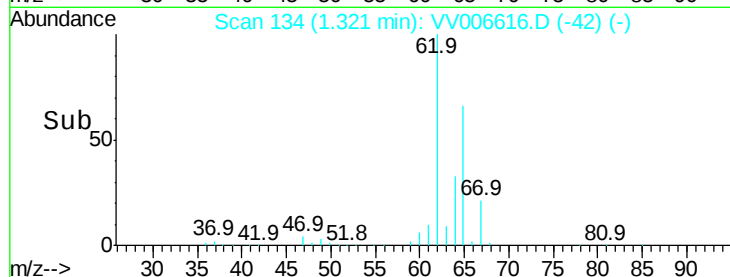
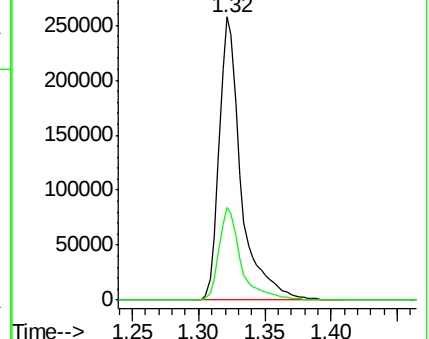
62 100

64 32.6 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 11.948 ug/L

RT: 1.52 min Scan# 195

Delta R.T. -0.00 min

Lab File: VV006616.D

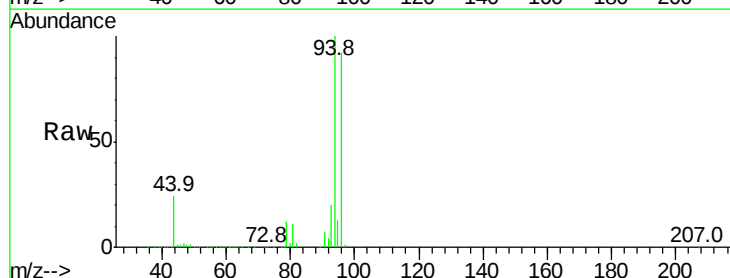
Acq: 17 Jul 2018 13:33

Tgt Ion: 94 Resp: 119035

Ion Ratio Lower Upper

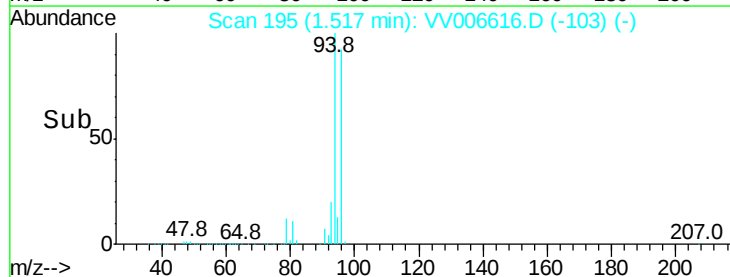
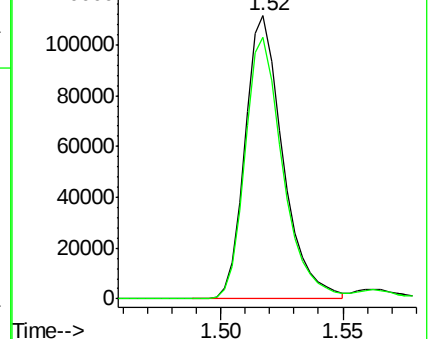
94 100

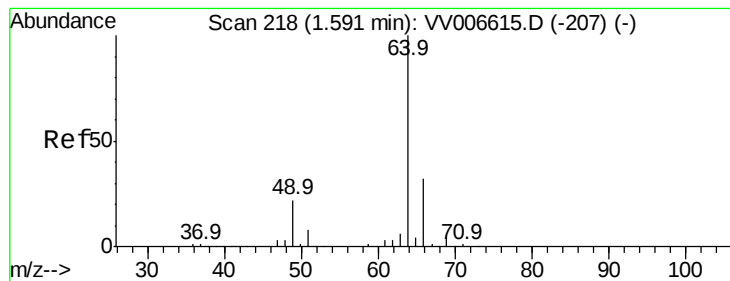
96 92.4 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 12.594 ug/L

RT: 1.59 min Scan# 217

Delta R.T. -0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

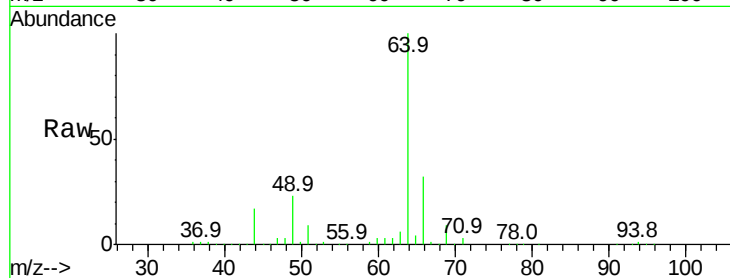
VSTD01078

Tgt Ion: 64 Resp: 164314

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.9



Abundance Ion 64.10 (63.80 to 64.80): VV006616.D (-125) (-)

Ion 66.05 (65.75 to 66.75): VV006616.D (-125) (-)

1.59

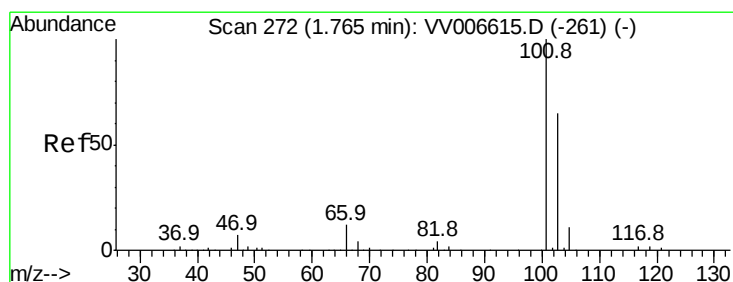
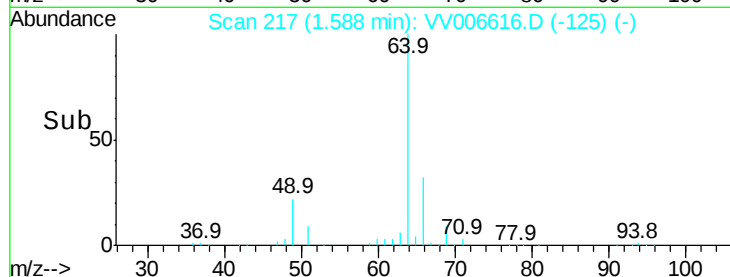
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 13.211 ug/L

RT: 1.76 min Scan# 271

Delta R.T. -0.00 min

Lab File: VV006616.D

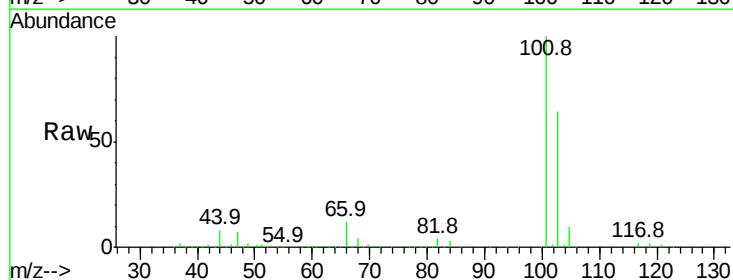
Acq: 17 Jul 2018 13:33

Tgt Ion: 101 Resp: 319524

Ion Ratio Lower Upper

101 100

103 64.8 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV006616.D (-179) (-)

Ion 103.00 (102.70 to 103.70): VV006616.D (-179) (-)

1.76

250000

200000

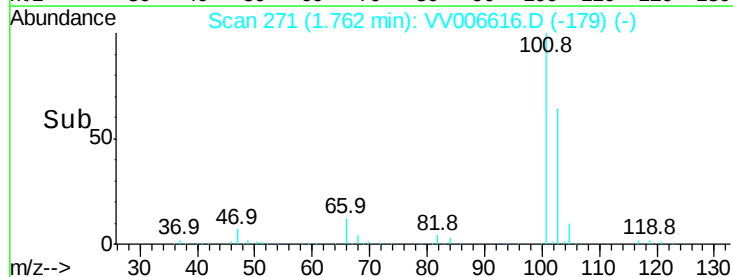
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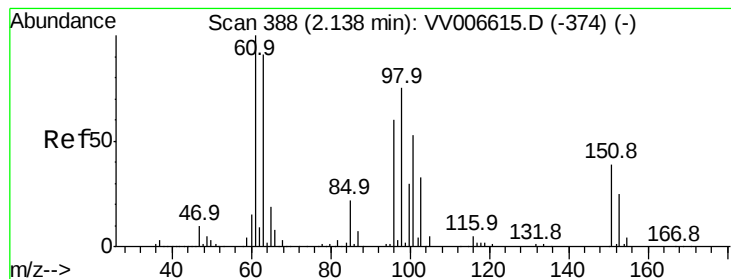
100000

50000

0

Time-->





#10

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

Concen: 12.834 ug/L

RT: 2.13 min Scan# 387

Delta R.T. -0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01078

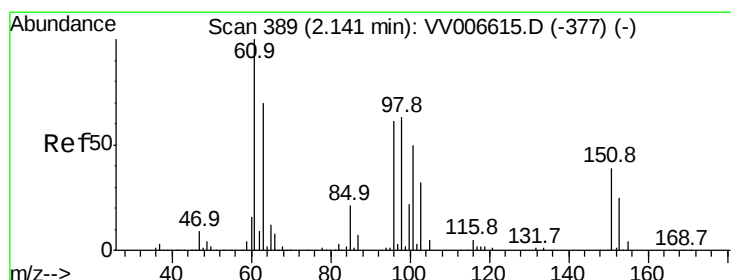
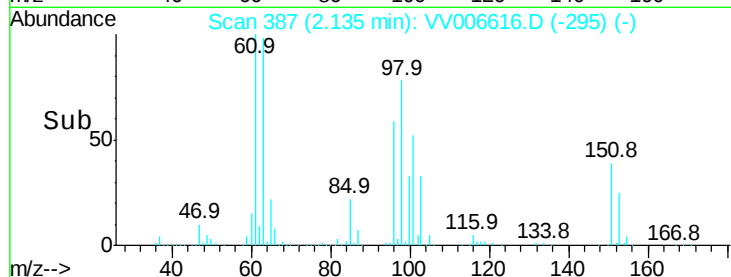
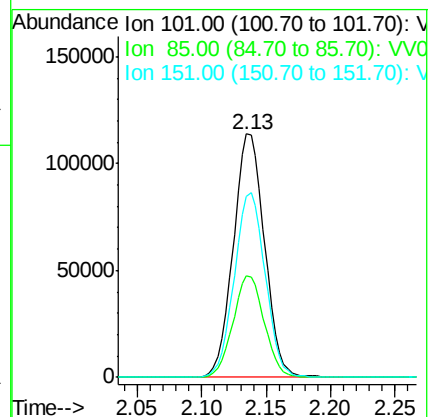
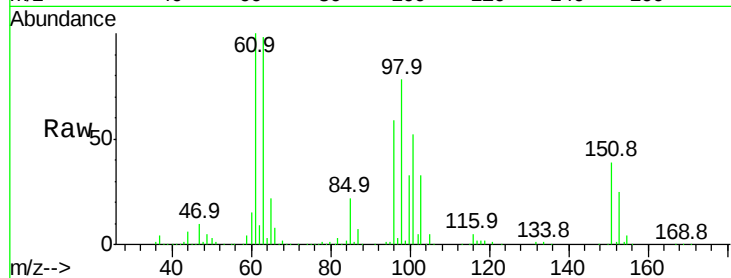
Tgt Ion: 101 Resp: 191761

Ion Ratio Lower Upper

101 100

85 41.7 33.9 50.9

151 75.3 60.5 90.7



#12

1,1-Dichloroethene

Concen: 13.008 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

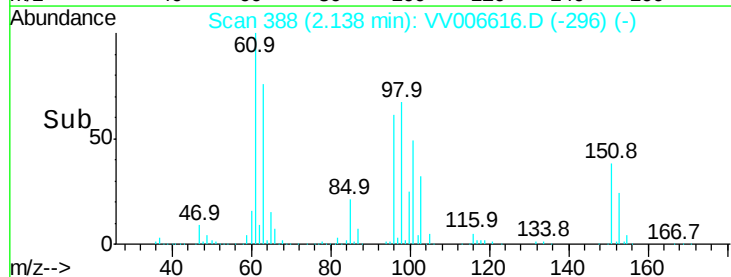
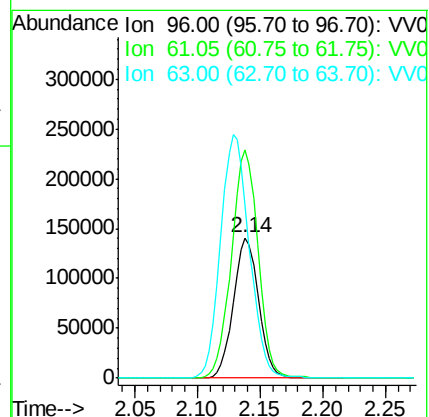
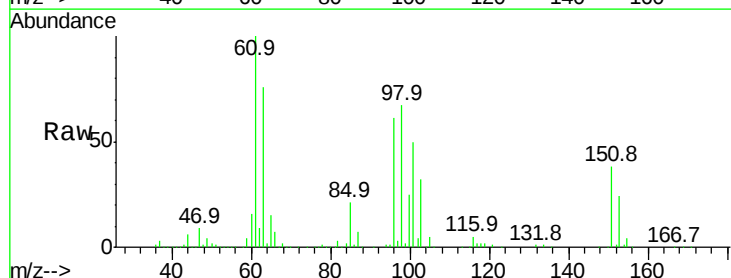
Tgt Ion: 96 Resp: 196652

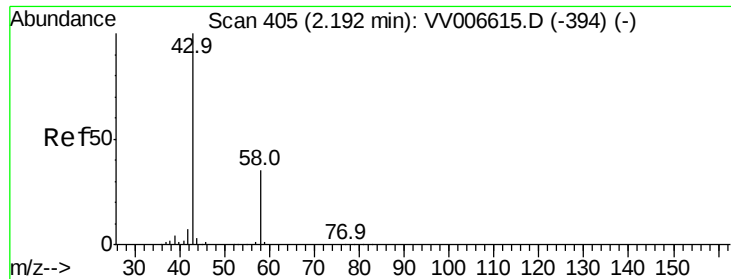
Ion Ratio Lower Upper

96 100

61 162.7 114.9 213.5

63 123.8 81.9 152.1





#13

Acetone

Concen: 152.059 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

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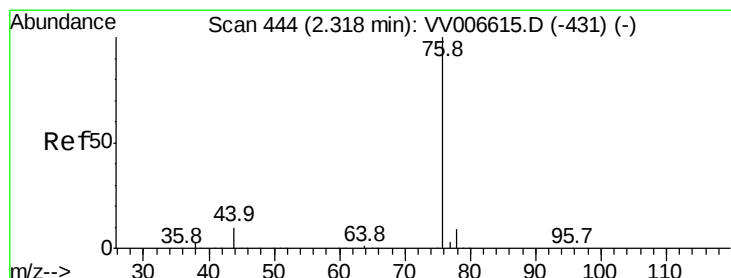
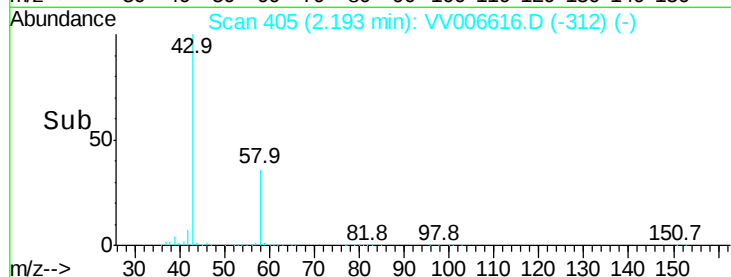
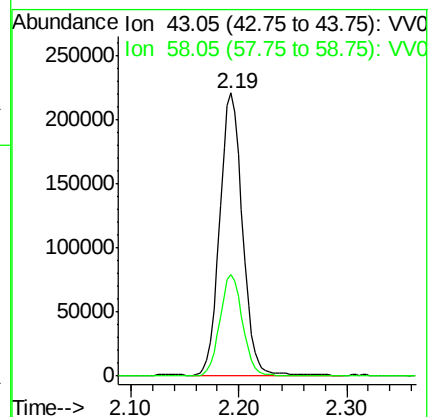
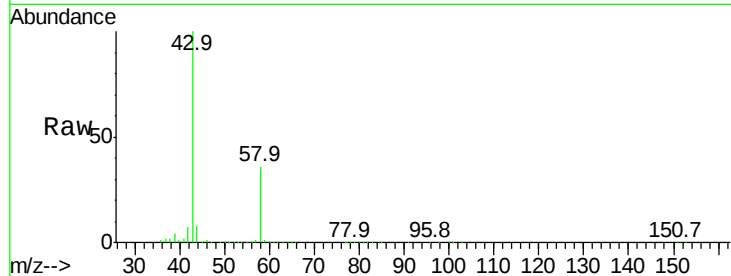
VSTD01078

Tgt Ion: 43 Resp: 320649

Ion Ratio Lower Upper

43 100

58 35.9 0.0 70.8



#14

Carbon disulfide

Concen: 13.695 ug/L

RT: 2.31 min Scan# 443

Delta R.T. -0.00 min

Lab File: VV006616.D

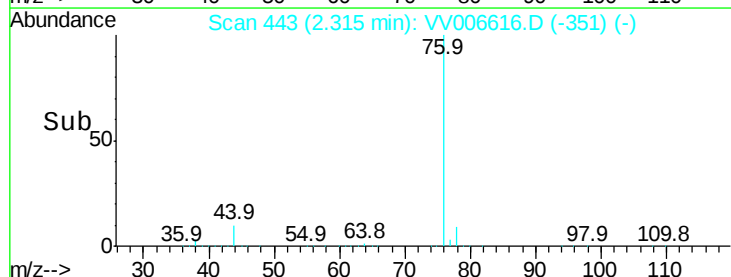
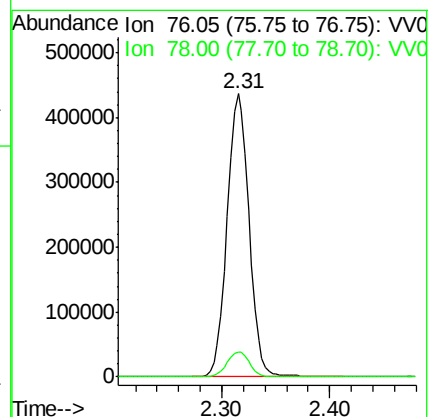
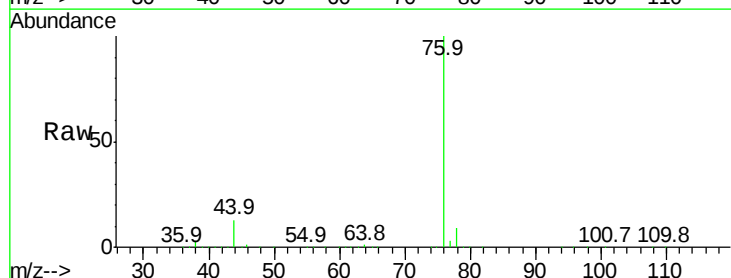
Acq: 17 Jul 2018 13:33

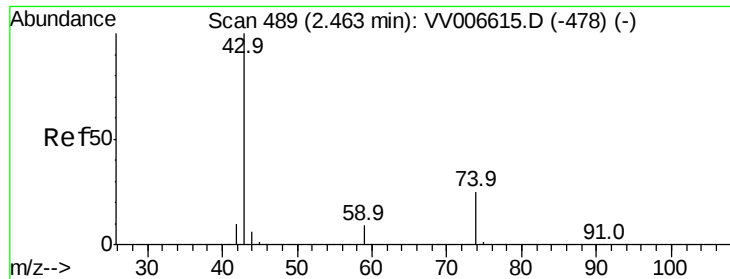
Tgt Ion: 76 Resp: 619195

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

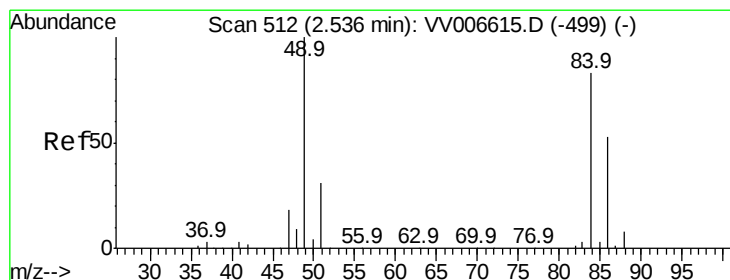
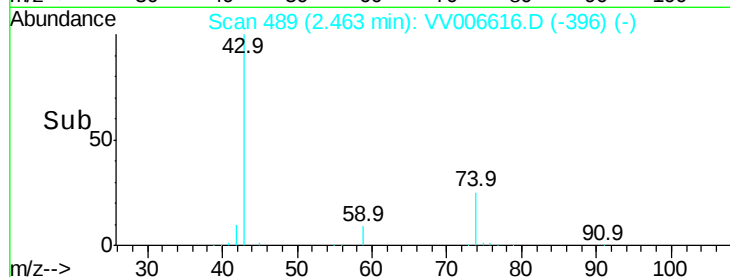
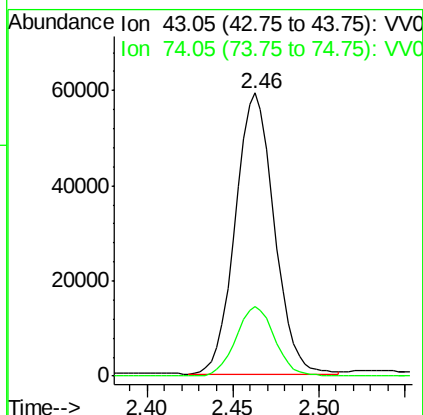
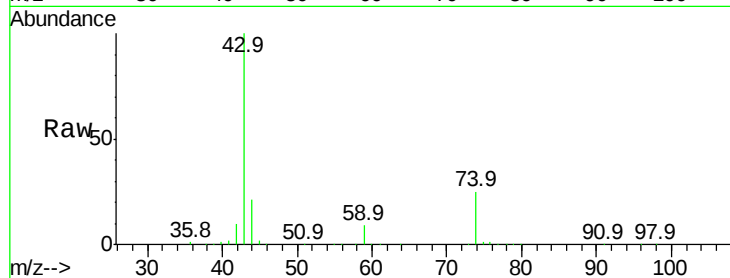




#15
Methyl Acetate
Concen: 14.952 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV006616.D
Acq: 17 Jul 2018 13:33

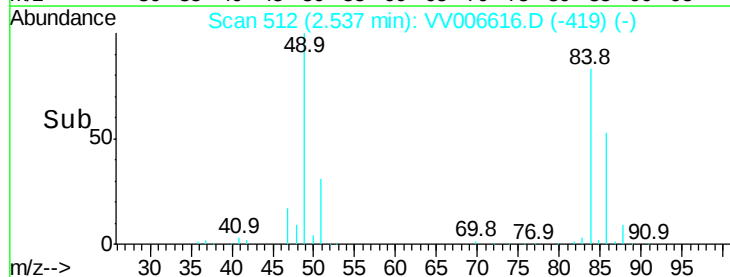
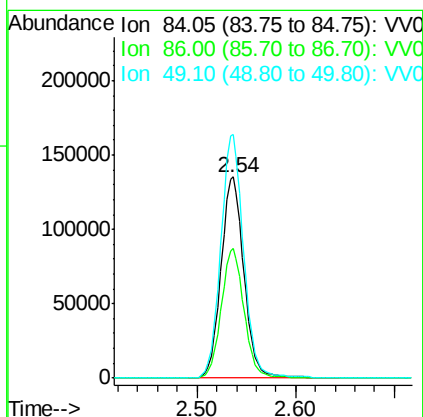
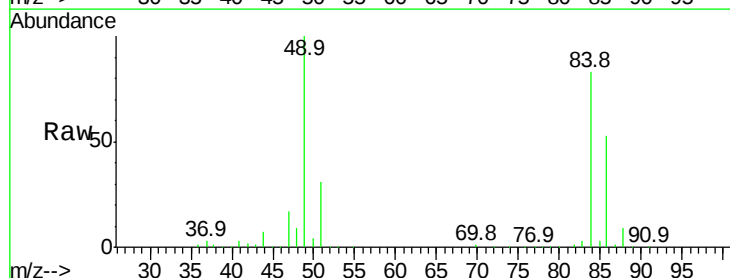
Instrument :
MSVOA_V
ClientSampleId :
VSTD01078

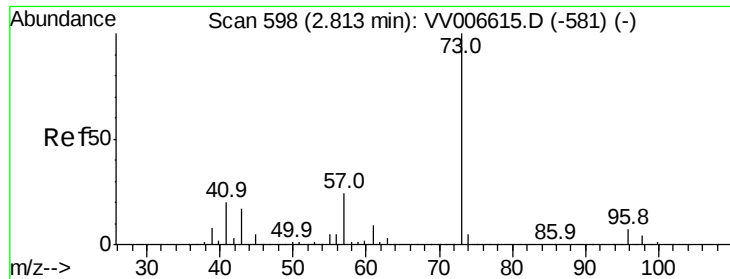
Tgt Ion: 43 Resp: 92814
Ion Ratio Lower Upper
43 100
74 24.8 20.2 30.4



#16
Methylene chloride
Concen: 13.011 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006616.D
Acq: 17 Jul 2018 13:33

Tgt Ion: 84 Resp: 221770
Ion Ratio Lower Upper
84 100
86 64.2 45.2 84.0
49 120.9 84.5 156.9





#17

Methyl tert-butyl Ether

Concen: 14.200 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01078

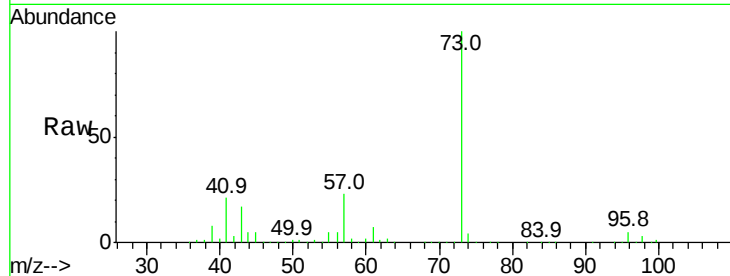
Tgt Ion: 73 Resp: 508477

Ion Ratio Lower Upper

73 100

43 17.0 13.7 20.5

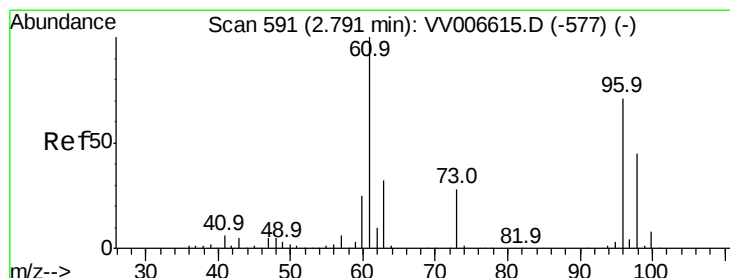
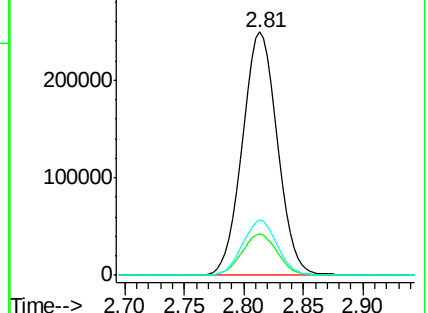
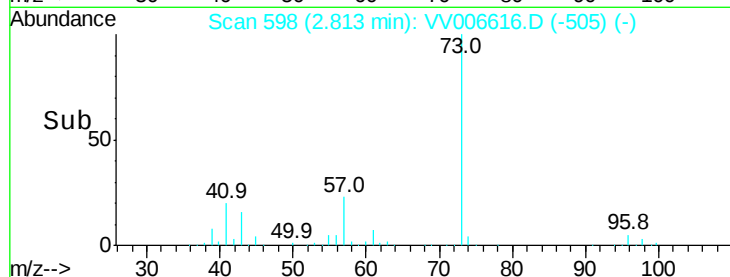
57 22.7 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VV006616.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006616.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006616.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 13.169 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

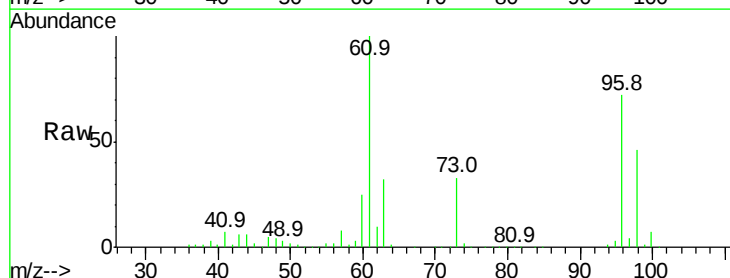
Tgt Ion: 96 Resp: 217179

Ion Ratio Lower Upper

96 100

61 138.6 98.1 182.1

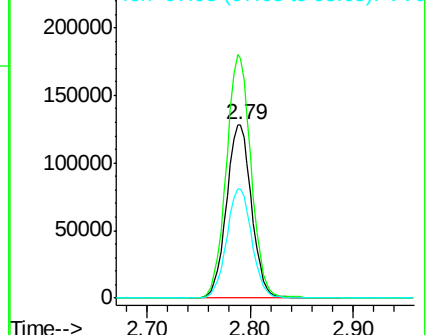
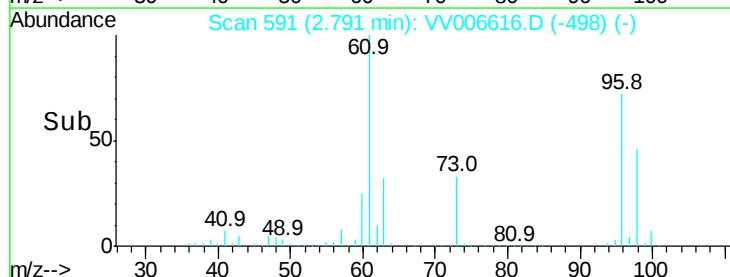
98 63.2 44.4 82.4

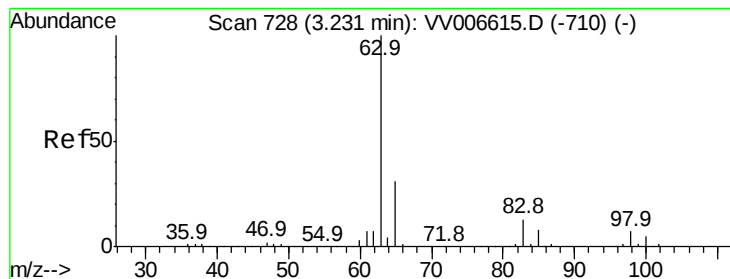


Abundance Ion 96.00 (95.70 to 96.70): VV006616.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006616.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006616.D (-498) (-)





#19

1,1-Dichloroethane

Concen: 14.043 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01078

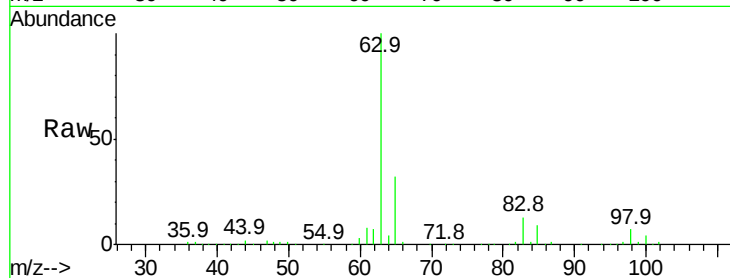
Tgt Ion: 63 Resp: 401938

Ion Ratio Lower Upper

63 100

65 32.0 21.7 40.3

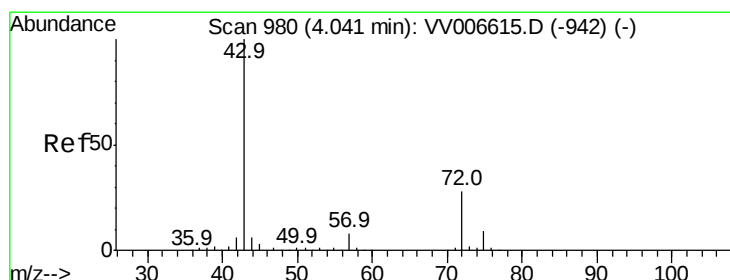
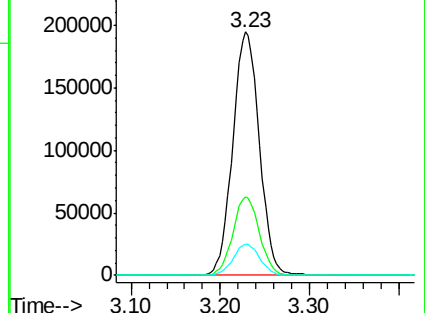
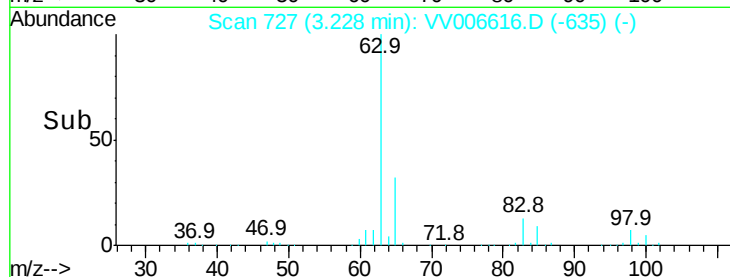
83 13.0 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV006616.D (-635) (-)

Ion 65.10 (64.80 to 65.80): VV006616.D (-635) (-)

Ion 83.05 (82.75 to 83.75): VV006616.D (-635) (-)



#21

2-Butanone

Concen: 171.919 ug/L

RT: 4.04 min Scan# 980

Delta R.T. 0.00 min

Lab File: VV006616.D

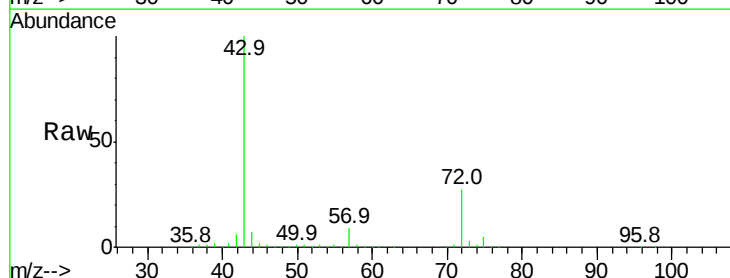
Acq: 17 Jul 2018 13:33

Tgt Ion: 43 Resp: 594822

Ion Ratio Lower Upper

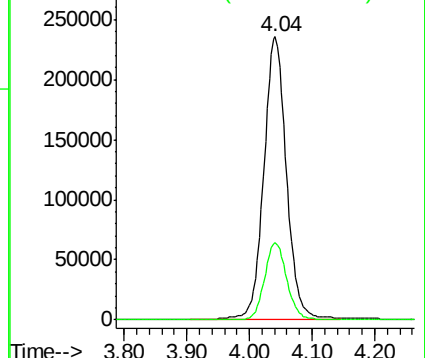
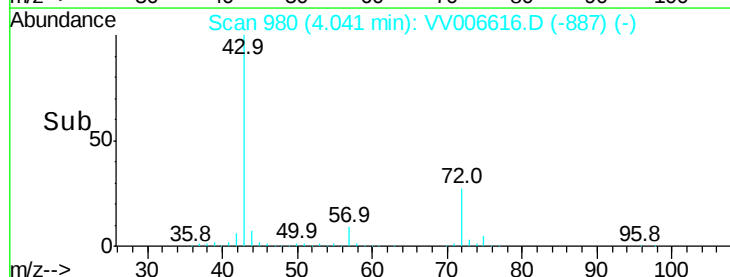
43 100

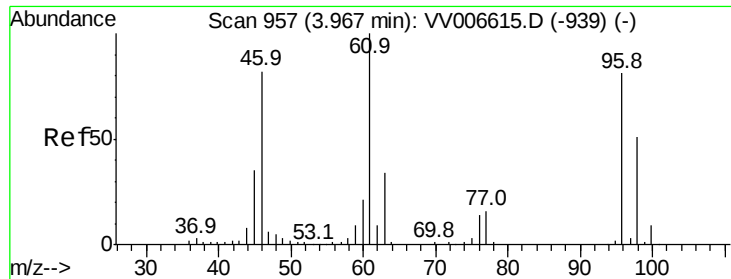
72 26.2 13.4 40.1



Abundance Ion 43.05 (42.75 to 43.75): VV006616.D (-887) (-)

Ion 72.10 (71.80 to 72.80): VV006616.D (-887) (-)



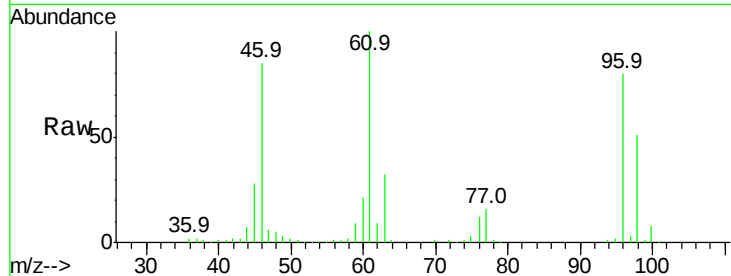


#22

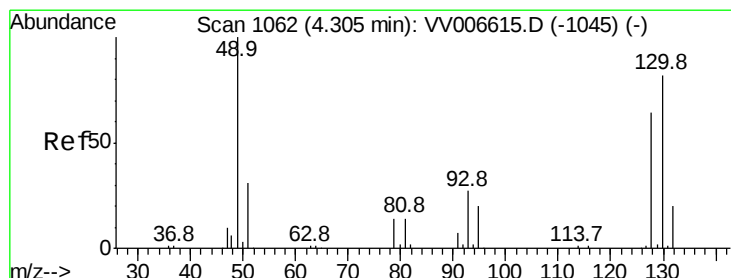
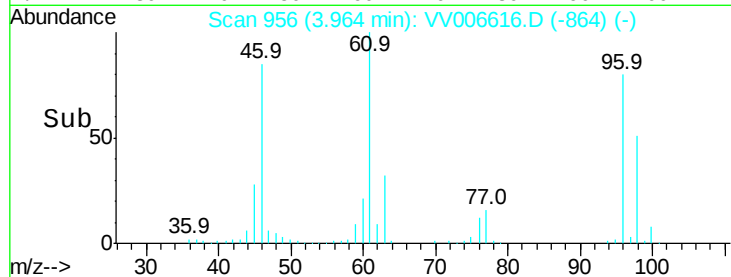
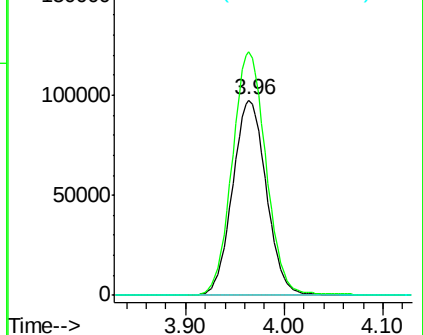
cis-1,2-Dichloroethene
Concen: 13.044 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV006616.D
Acq: 17 Jul 2018 13:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD01078

Tgt Ion: 96 Resp: 231121
Ion Ratio Lower Upper
96 100
61 124.6 86.2 160.2
68 0.0 0.0 0.0



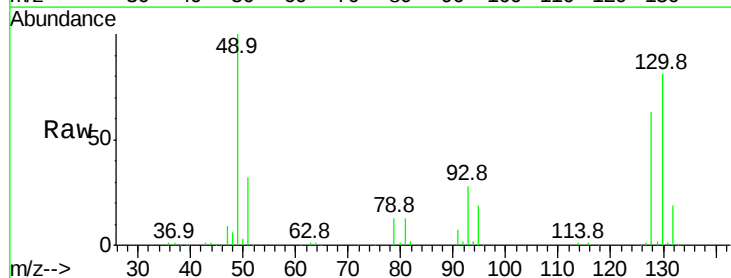
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



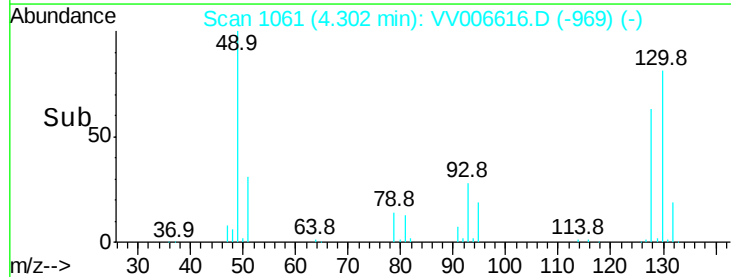
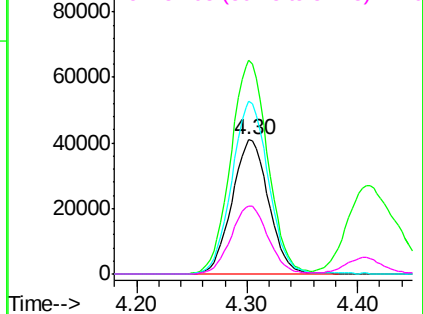
#23

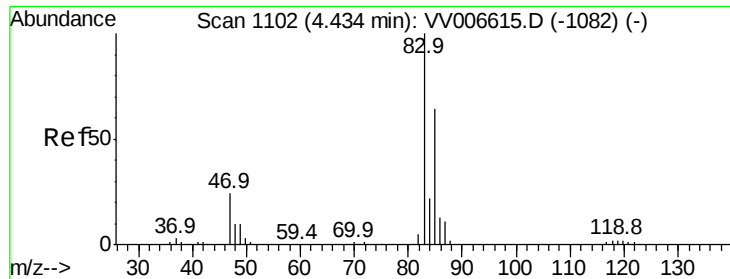
Bromochloromethane
Concen: 13.035 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV006616.D
Acq: 17 Jul 2018 13:33

Tgt Ion: 128 Resp: 94600
Ion Ratio Lower Upper
128 100
49 159.4 108.6 201.6
130 128.7 89.4 166.0
51 51.0 38.2 57.4



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 13.189 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

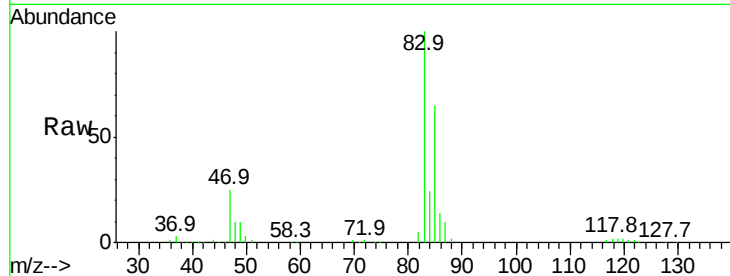
VSTD01078

Tgt Ion: 83 Resp: 375492

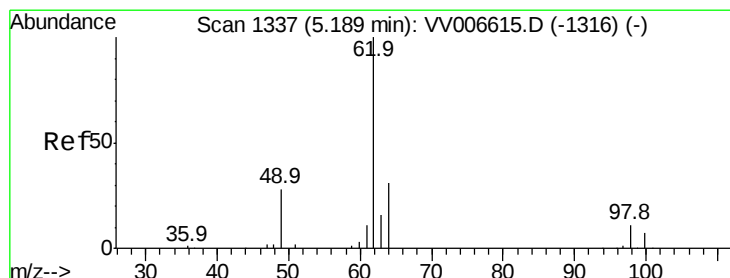
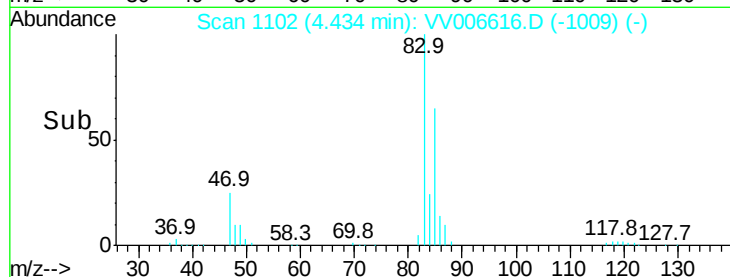
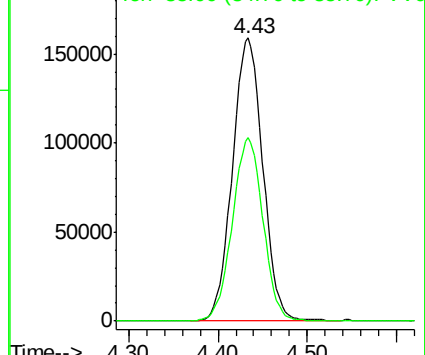
Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VV006616.D (-1009) (-)



#27

1,2-Dichloroethane

Concen: 13.907 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV006616.D

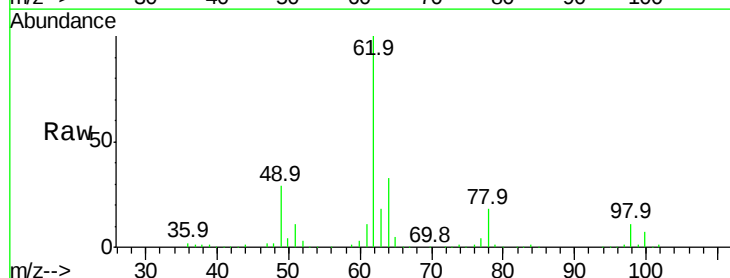
Acq: 17 Jul 2018 13:33

Tgt Ion: 62 Resp: 224846

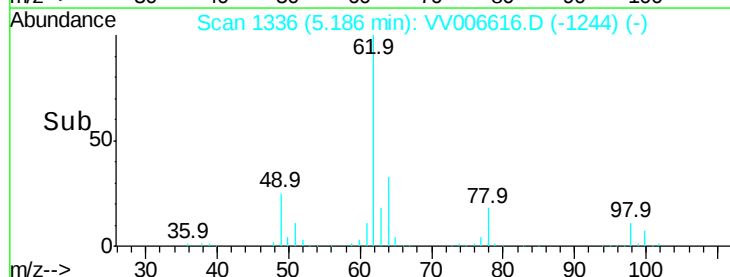
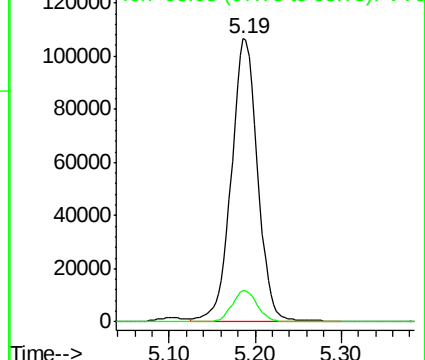
Ion Ratio Lower Upper

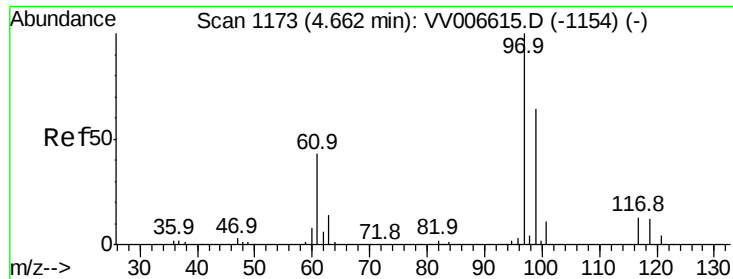
62 100

98 11.1 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VV006616.D (-1244) (-)

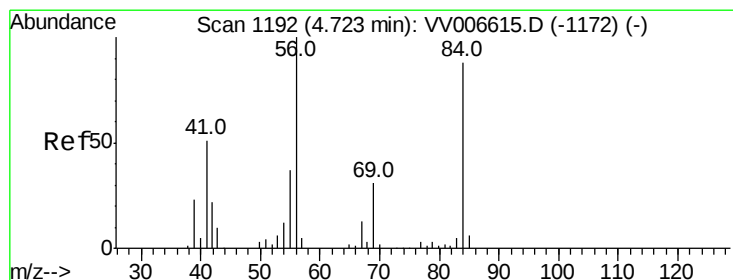
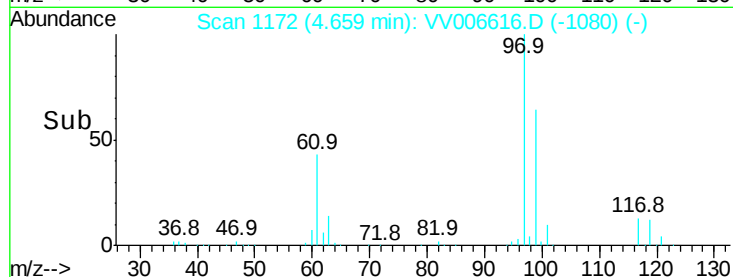
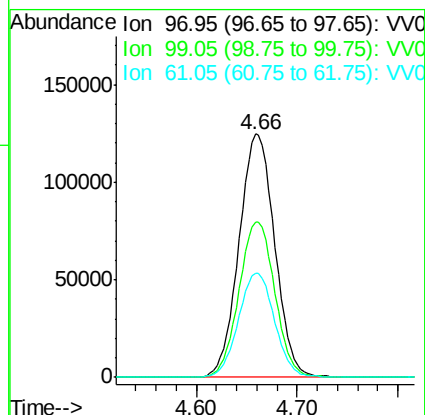
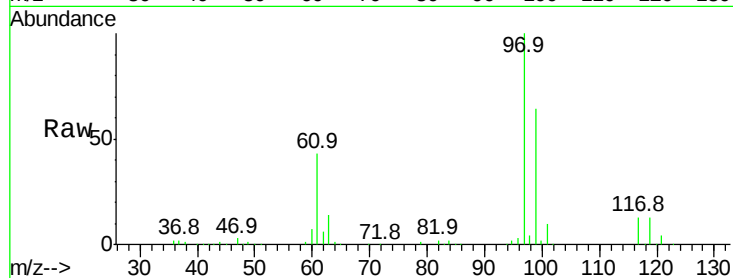




#29
1,1,1-Trichloroethane
Concen: 12.912 ug/L
RT: 4.66 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VV006616.D
Acq: 17 Jul 2018 13:33

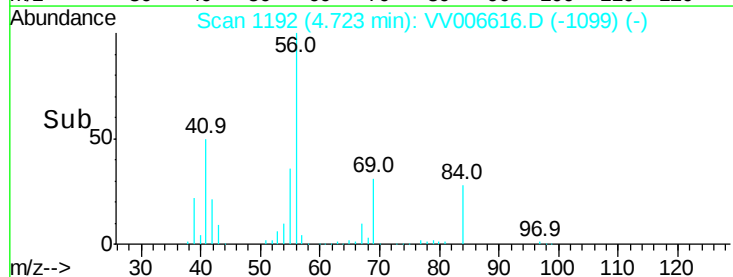
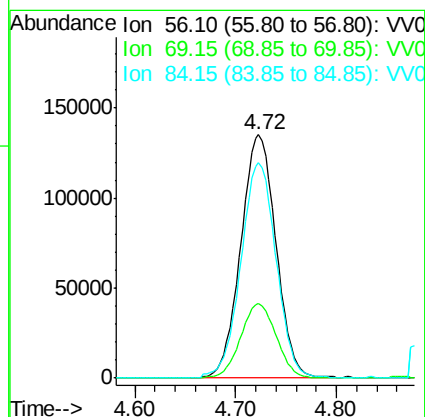
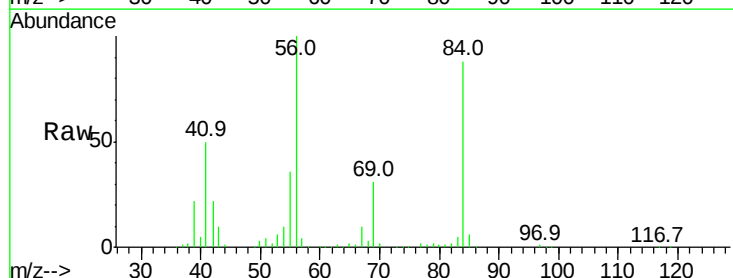
Instrument :
MSVOA_V
ClientSampleId :
VSTD01078

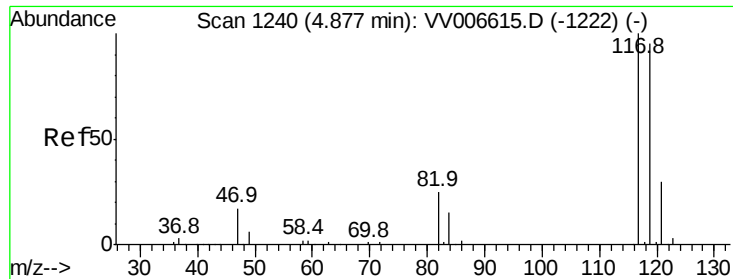
Tgt Ion: 97 Resp: 305978
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 43.4 34.7 52.1



#30
Cyclohexane
Concen: 12.976 ug/L
RT: 4.72 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VV006616.D
Acq: 17 Jul 2018 13:33

Tgt Ion: 56 Resp: 327213
Ion Ratio Lower Upper
56 100
69 0.0 24.9 37.3#
84 89.0 71.3 106.9





#31

Carbon tetrachloride

Concen: 12.848 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

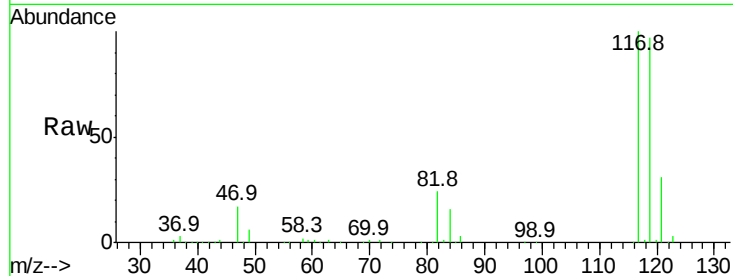
VSTD01078

Tgt Ion:117 Resp: 254723

Ion Ratio Lower Upper

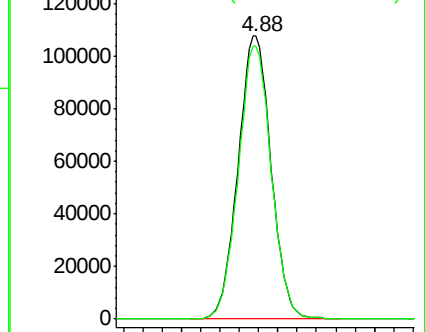
117 100

119 96.5 76.5 114.7

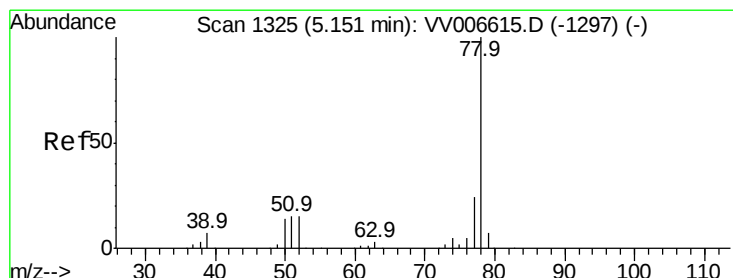
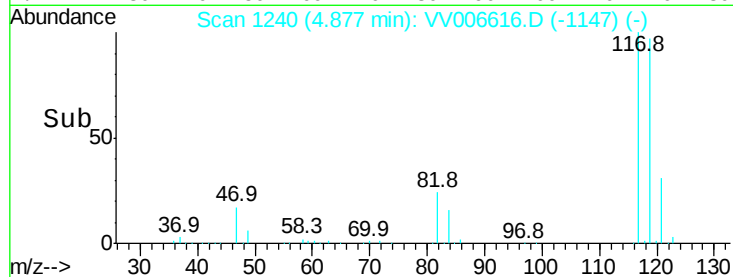


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#33

Benzene

Concen: 13.075 ug/L

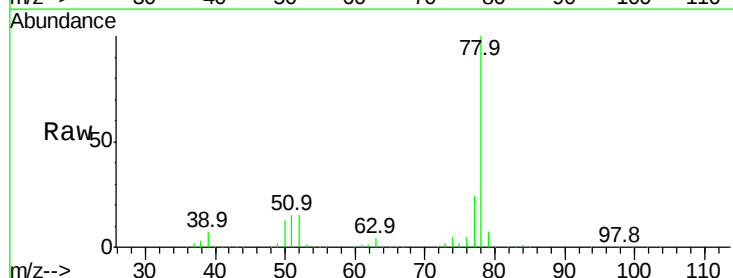
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

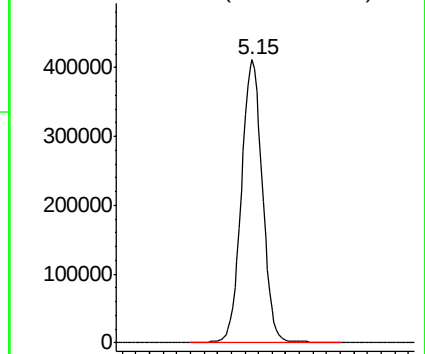
Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

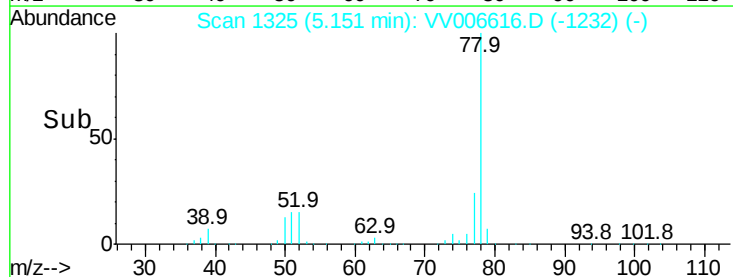
Tgt Ion: 78 Resp: 882652

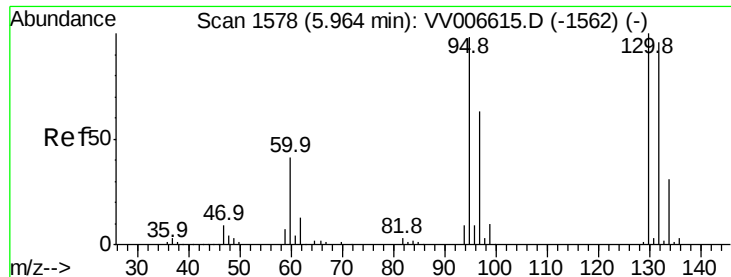


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->

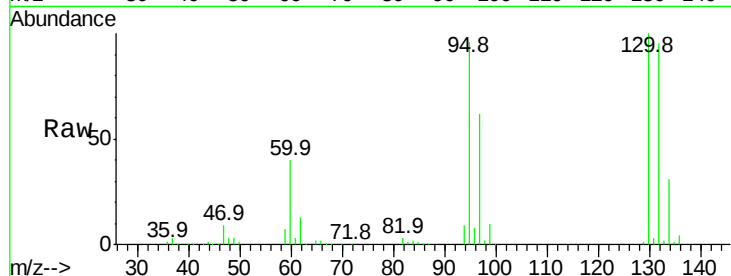




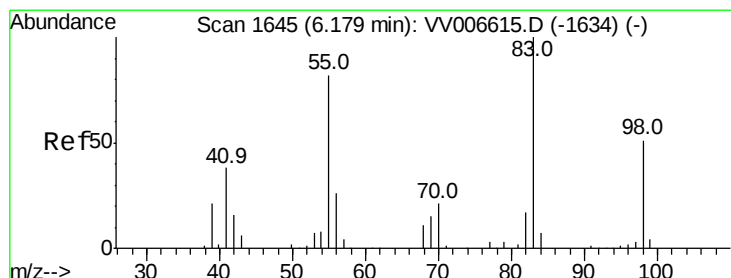
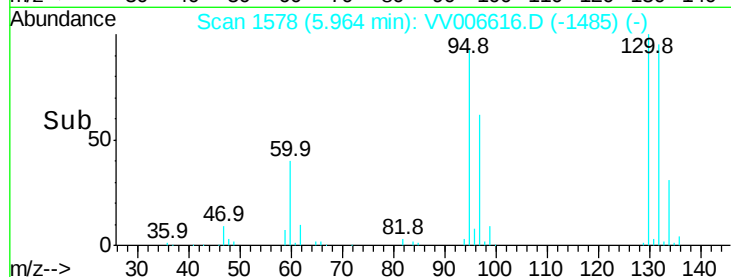
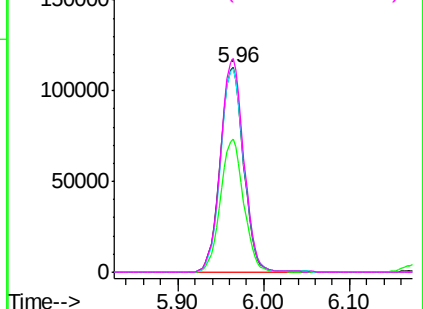
#34
 Trichloroethene
 Concen: 12.339 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006616.D
 Acq: 17 Jul 2018 13:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01078

Tgt Ion: 95 Resp: 213641
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.1 83.7
 132 99.3 69.0 128.2
 130 104.4 71.7 133.1

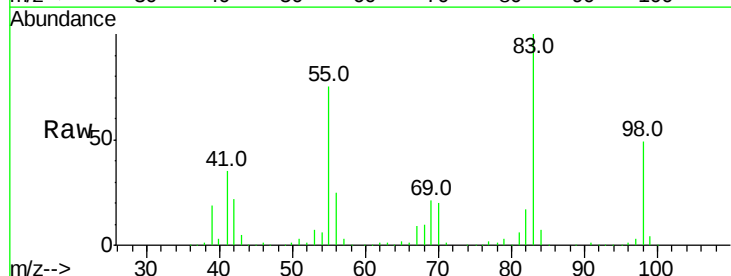


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

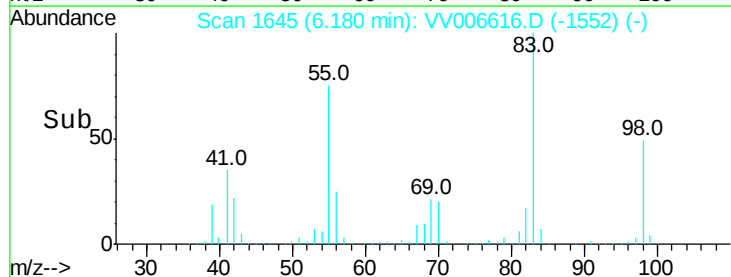
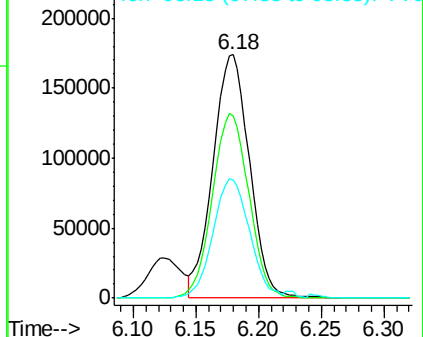


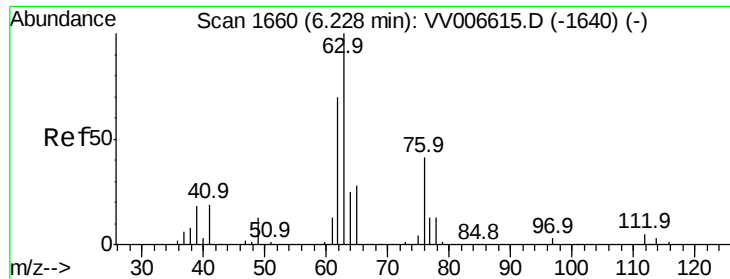
#35
 Methylcyclohexane
 Concen: 12.655 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006616.D
 Acq: 17 Jul 2018 13:33

Tgt Ion: 83 Resp: 352854
 Ion Ratio Lower Upper
 83 100
 55 76.1 60.7 91.1
 98 49.1 39.1 58.7



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: 13.286 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

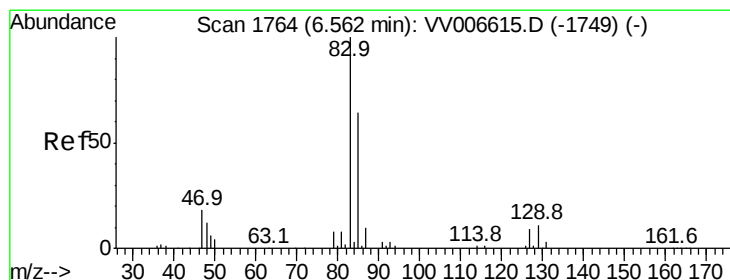
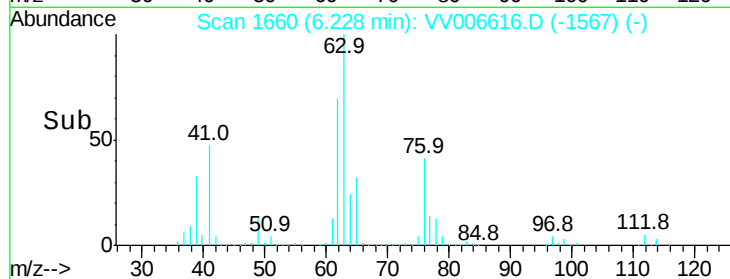
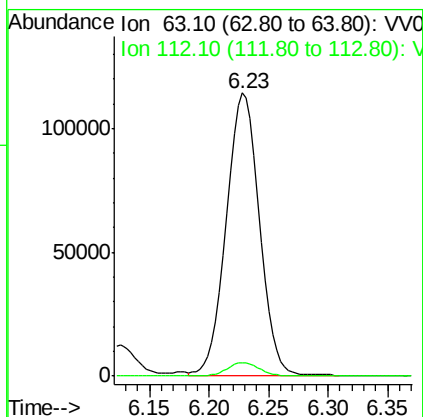
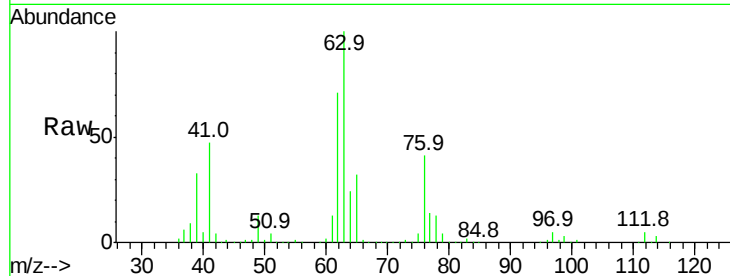
Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD01078

Tgt Ion: 63 Resp: 219376

Ion	Ratio	Lower	Upper
63	100		
112	4.7	3.7	5.5



#38

Bromodichloromethane

Concen: 13.630 ug/L

RT: 6.56 min Scan# 1764

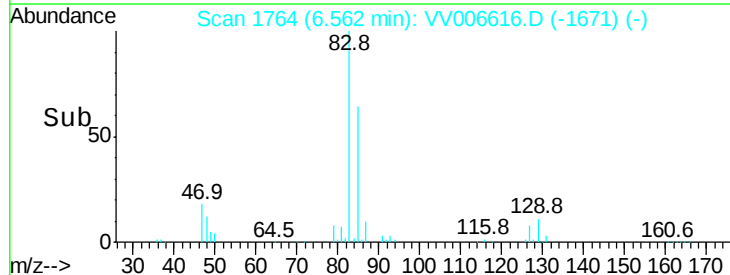
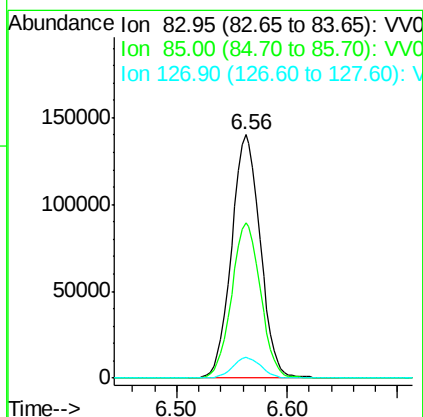
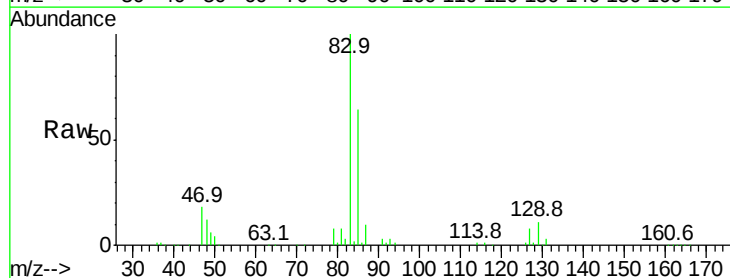
Delta R.T. 0.00 min

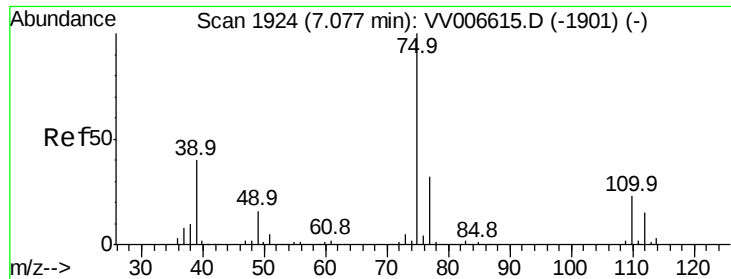
Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Tgt Ion: 83 Resp: 253762

Ion	Ratio	Lower	Upper
83	100		
85	64.0	44.7	83.1
127	8.4	6.8	10.2

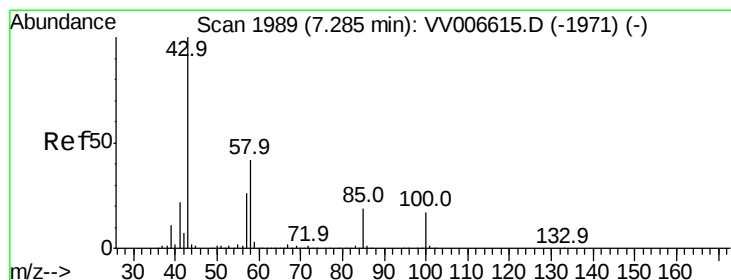
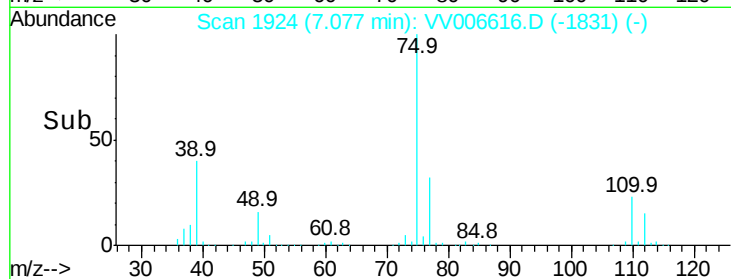
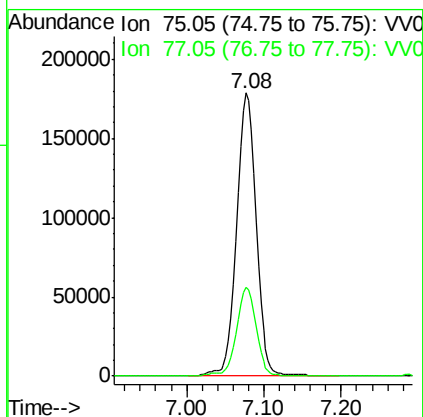
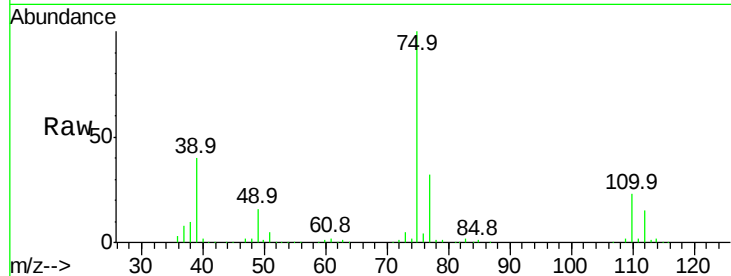




#39
 cis-1,3-Dichloropropene
 Concen: 14.041 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006616.D
 Acq: 17 Jul 2018 13:33

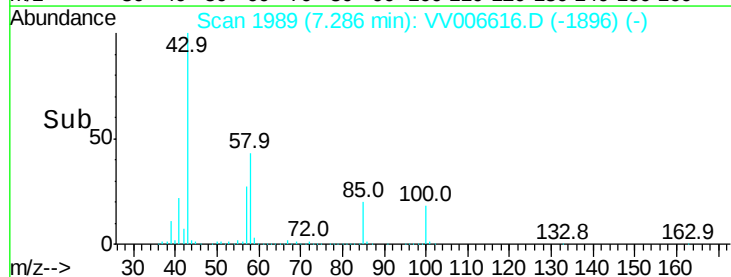
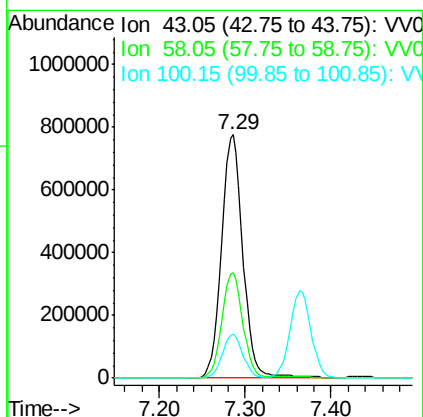
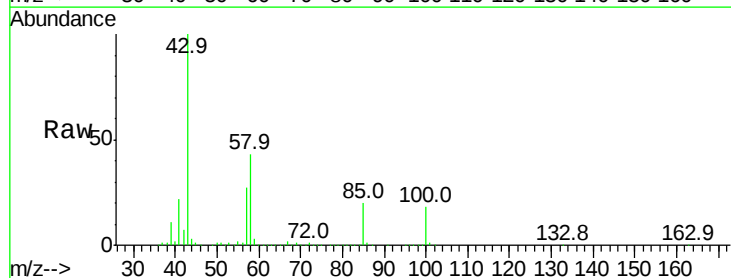
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01078

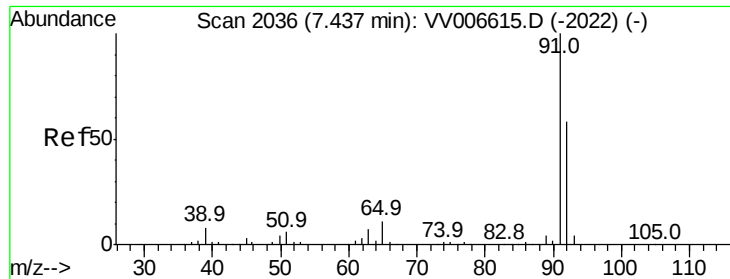
Tgt Ion: 75 Resp: 311177
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 160.219 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006616.D
 Acq: 17 Jul 2018 13:33

Tgt Ion: 43 Resp: 1340927
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.2 49.8
 100 17.4 13.5 20.3





#42

Toluene

Concen: 13.014 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

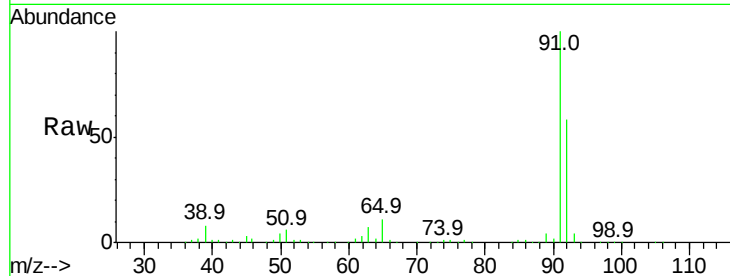
VSTD01078

Tgt Ion: 91 Resp: 913813

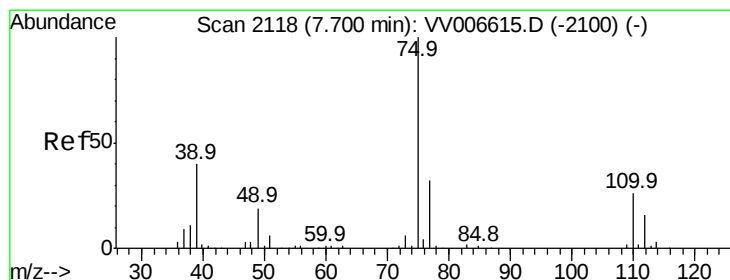
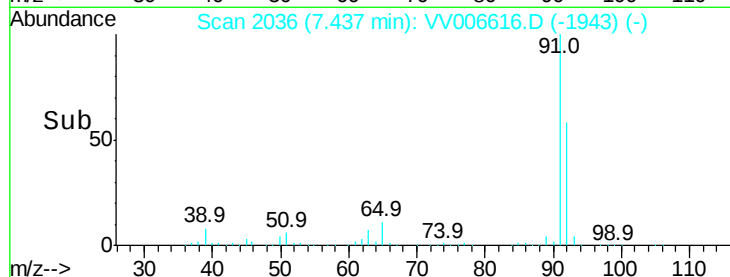
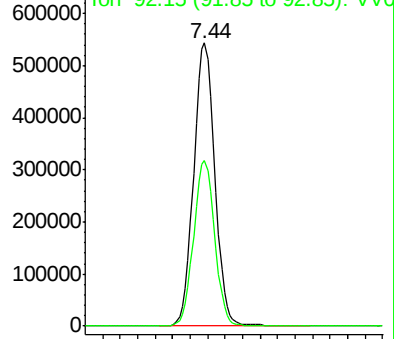
Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV006616.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 14.452 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006616.D

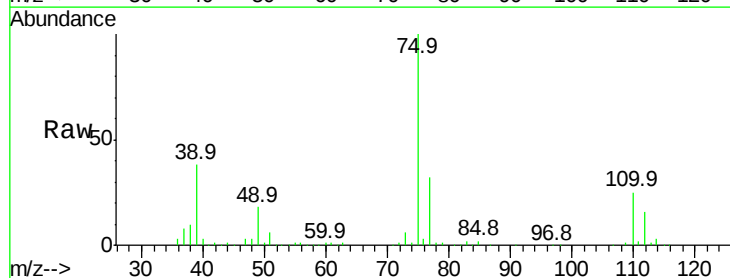
Acq: 17 Jul 2018 13:33

Tgt Ion: 75 Resp: 247243

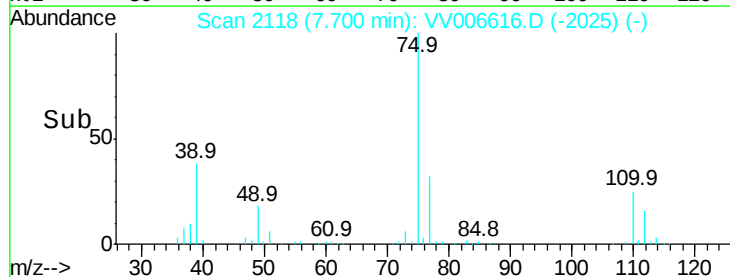
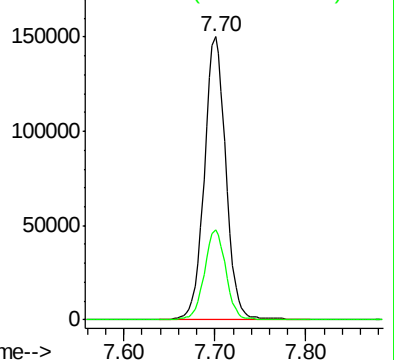
Ion Ratio Lower Upper

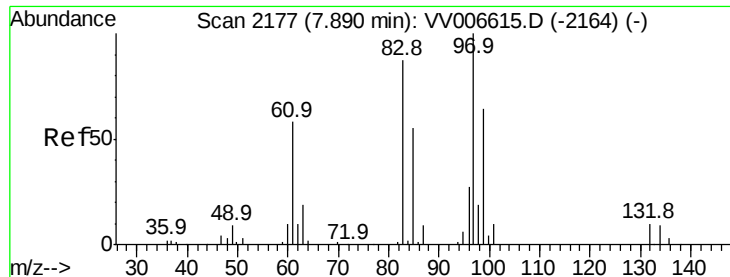
75 100

77 31.6 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV006616.D (-2025) (-)





#45

1,1,2-Trichloroethane

Concen: 13.385 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01078

Tgt Ion: 97 Resp: 154634

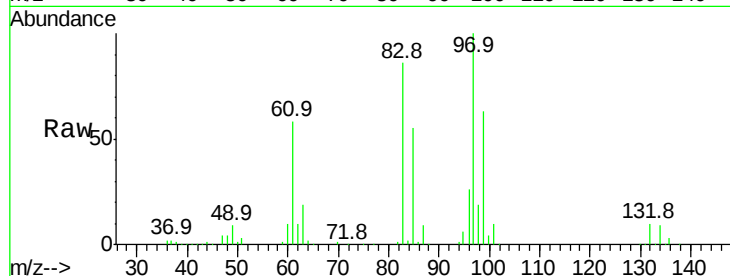
Ion Ratio Lower Upper

97 100

99 63.2 44.9 83.3

83 85.7 61.1 113.5

85 54.9 38.4 71.4

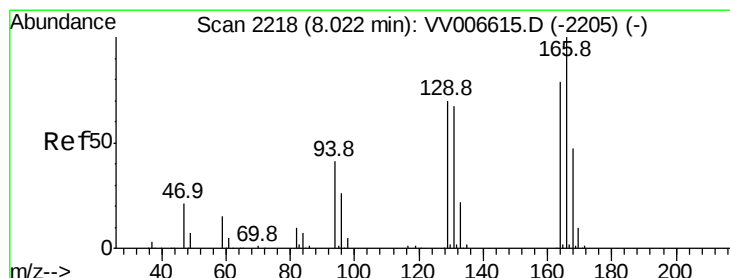
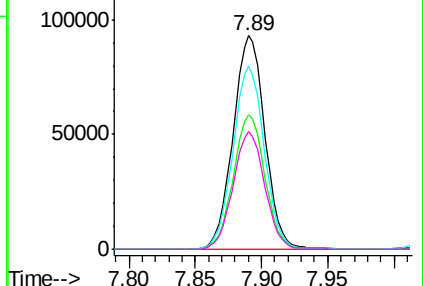
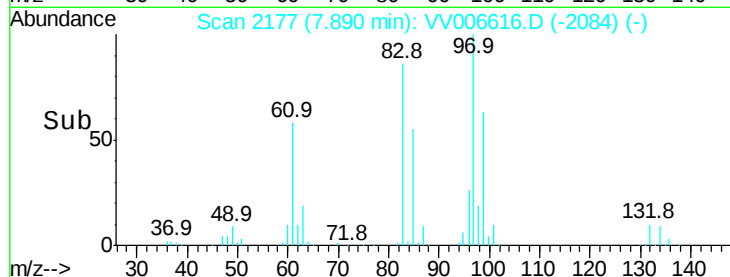


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 11.859 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Tgt Ion: 164 Resp: 168858

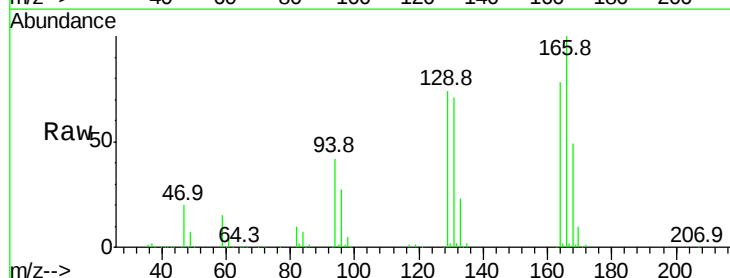
Ion Ratio Lower Upper

164 100

129 94.7 62.7 116.5

131 91.3 60.0 111.4

166 128.1 89.0 165.4

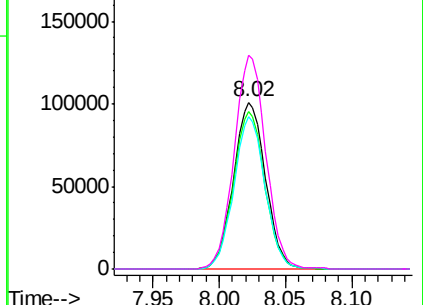
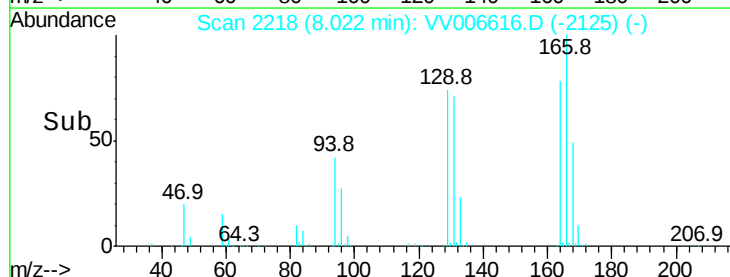


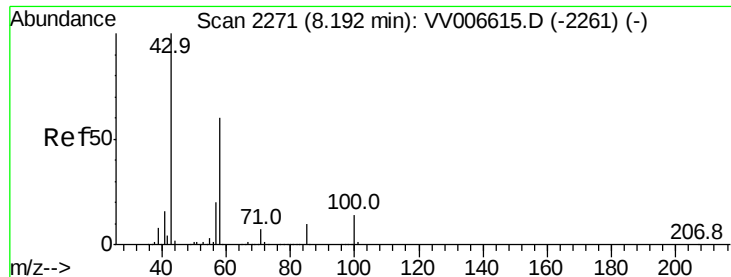
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

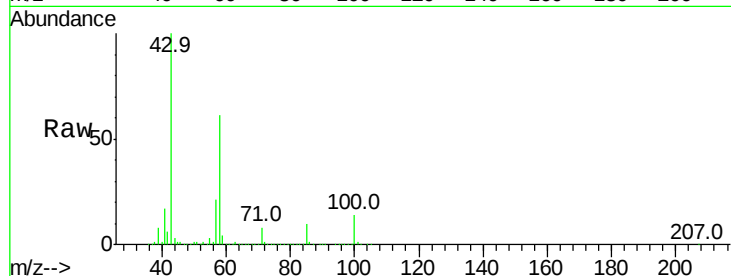




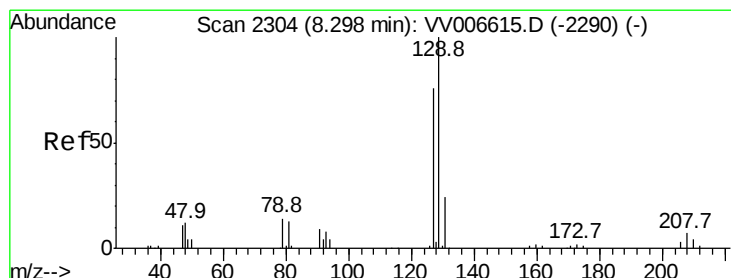
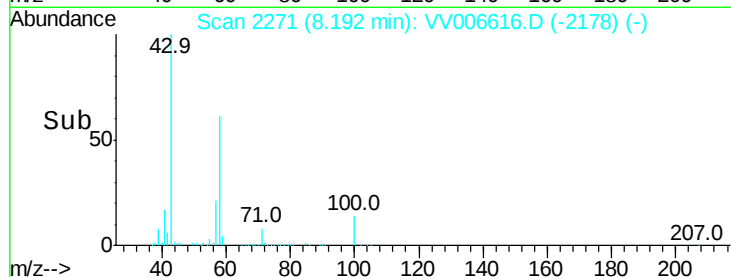
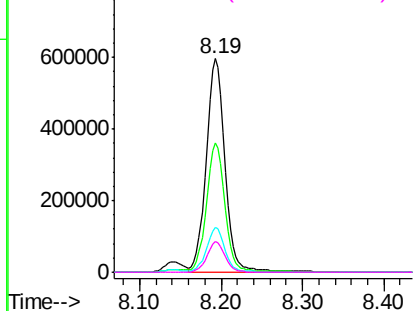
#48
2-Hexanone
Concen: 161.408 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006616.D
Acq: 17 Jul 2018 13:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD01078

Tgt Ion: 43 Resp: 957852
Ion Ratio Lower Upper
43 100
58 60.3 48.2 72.4
57 20.8 16.2 24.4
100 14.1 11.0 16.4

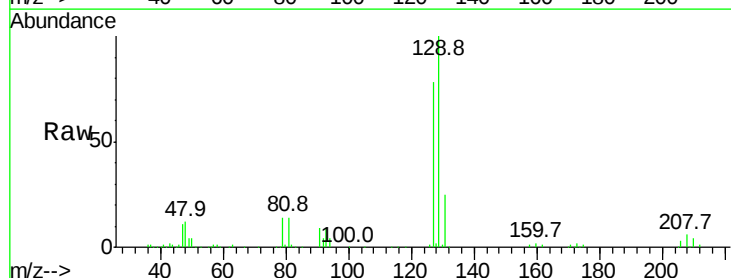


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

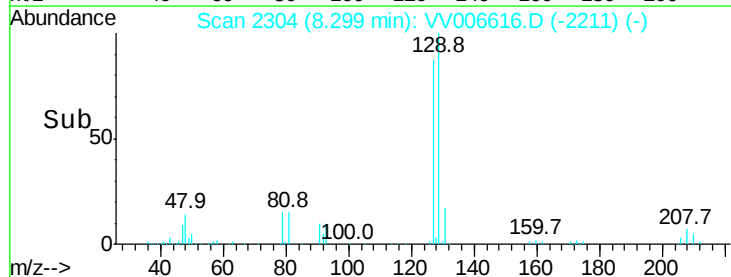
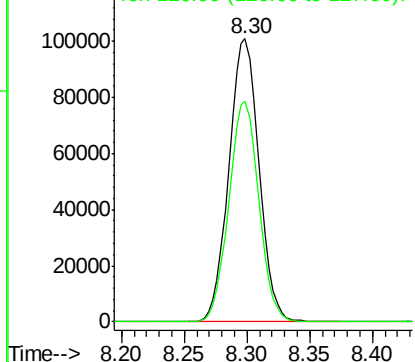


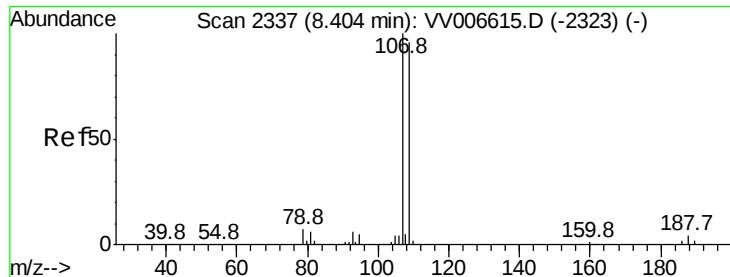
#49
Dibromochloromethane
Concen: 13.976 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006616.D
Acq: 17 Jul 2018 13:33

Tgt Ion: 129 Resp: 168380
Ion Ratio Lower Upper
129 100
127 77.8 53.2 98.8



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

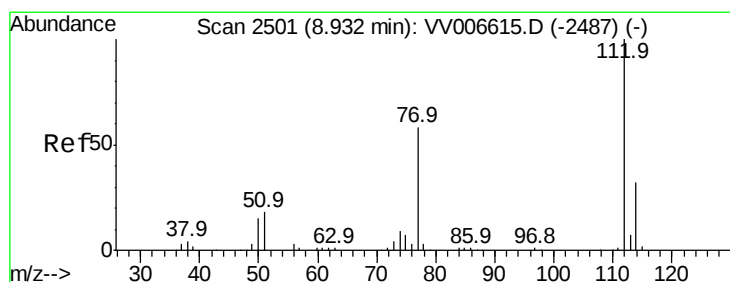
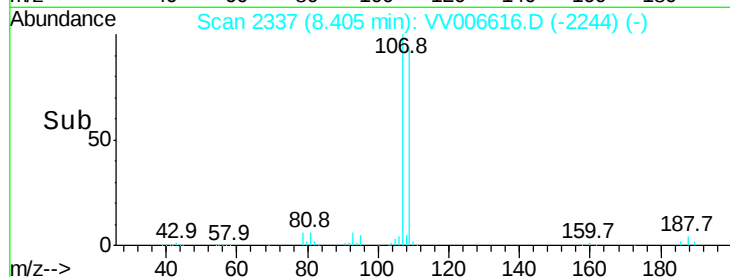
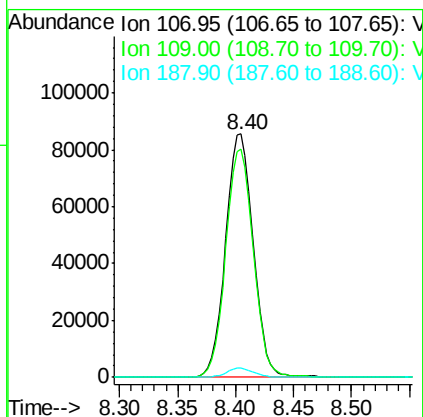
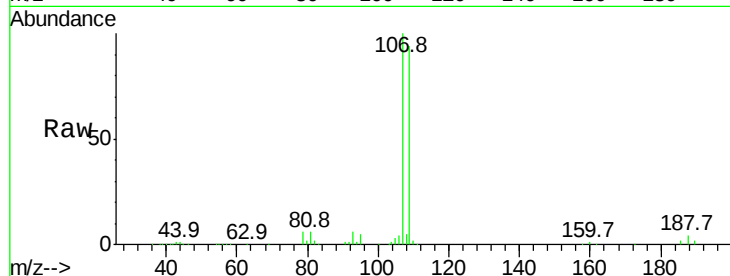




#50
1,2-Dibromoethane
Concen: 13.456 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006616.D
Acq: 17 Jul 2018 13:33

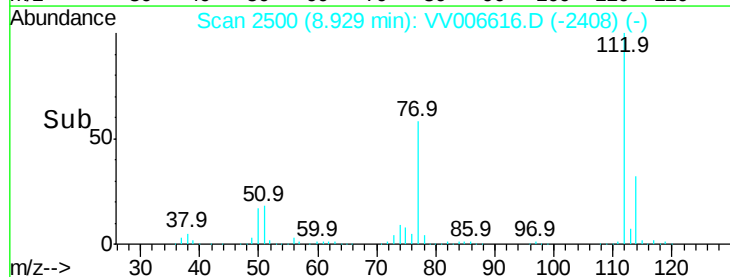
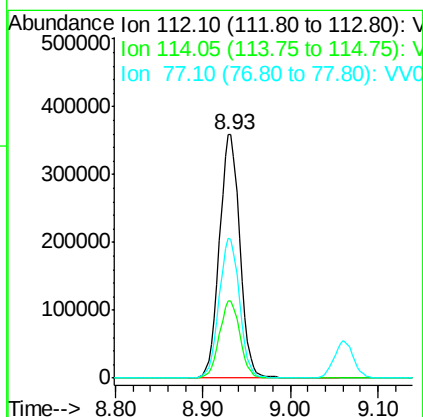
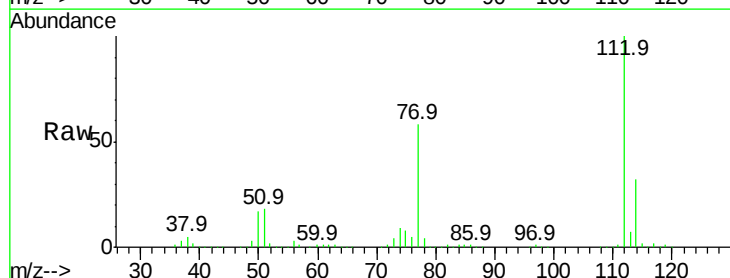
Instrument :
MSVOA_V
ClientSampleId :
VSTD01078

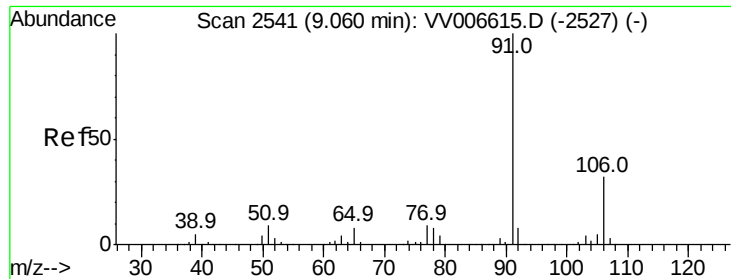
Tgt Ion:107 Resp: 141514
Ion Ratio Lower Upper
107 100
109 93.6 67.1 124.5
188 3.8 3.3 4.9



#51
Chlorobenzene
Concen: 12.669 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006616.D
Acq: 17 Jul 2018 13:33

Tgt Ion:112 Resp: 581928
Ion Ratio Lower Upper
112 100
114 31.9 22.6 42.0
77 57.7 46.2 69.4





#52

Ethylbenzene

Concen: 13.189 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

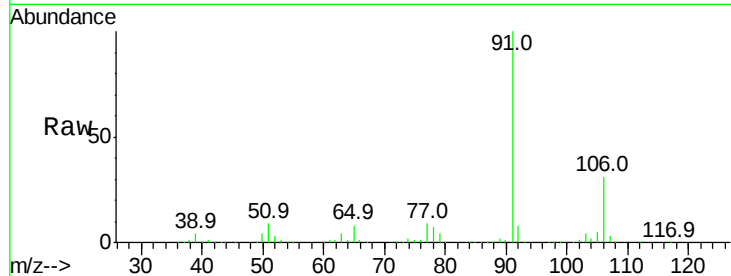
VSTD01078

Tgt Ion: 91 Resp: 983925

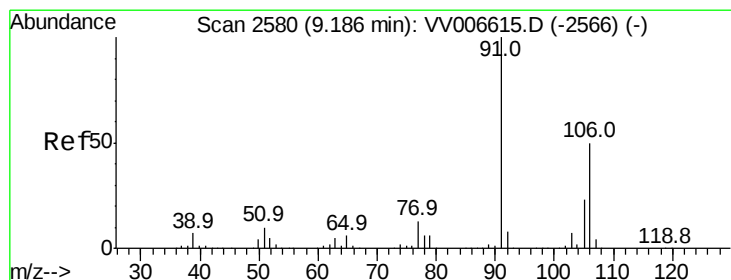
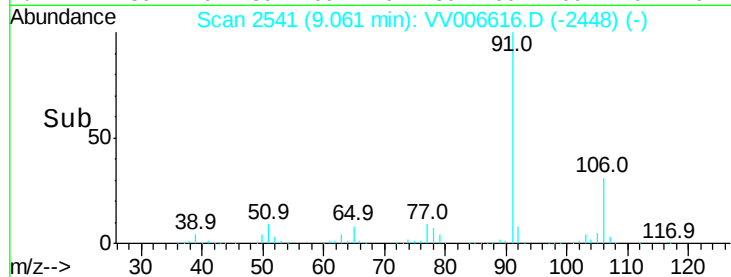
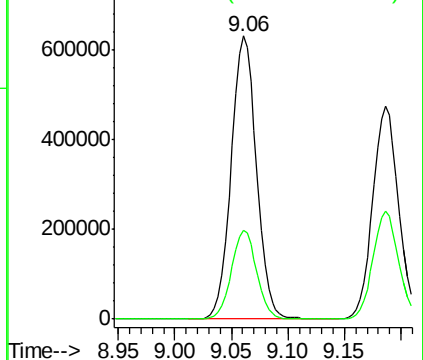
Ion Ratio Lower Upper

91 100

106 31.3 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006616.D (-2448) (-)



#53

m,p-xylene

Concen: 13.317 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006616.D

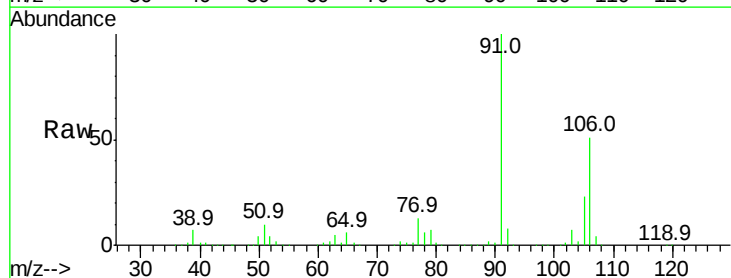
Acq: 17 Jul 2018 13:33

Tgt Ion: 106 Resp: 382759

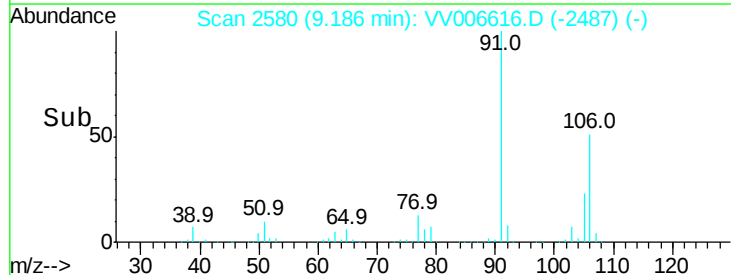
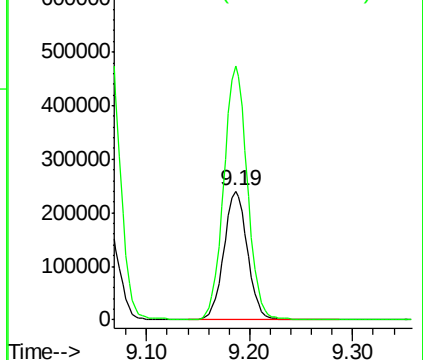
Ion Ratio Lower Upper

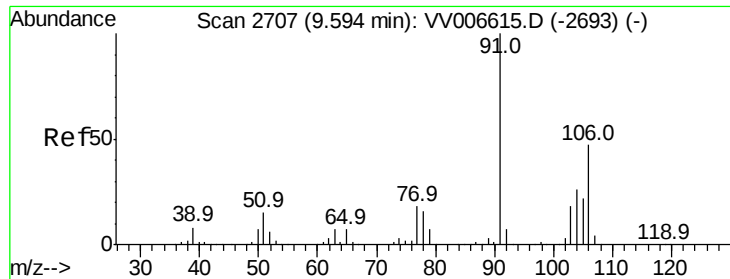
106 100

91 196.8 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006616.D (-2487) (-)





#54

o-xylene

Concen: 13.338 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

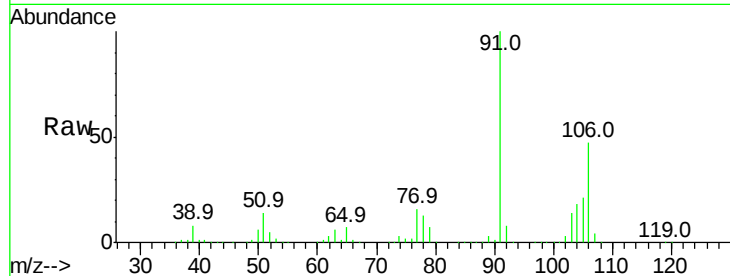
VSTD01078

Tgt Ion:106 Resp: 375260

Ion Ratio Lower Upper

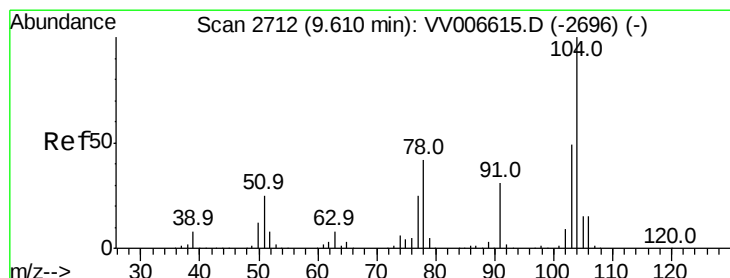
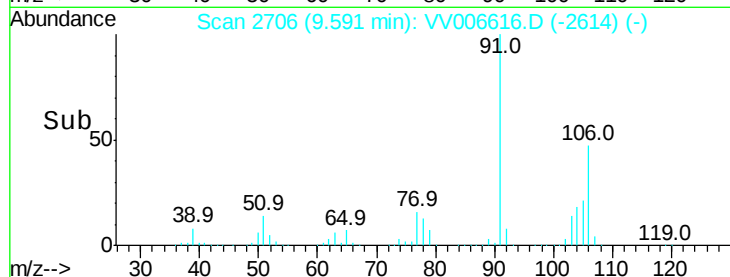
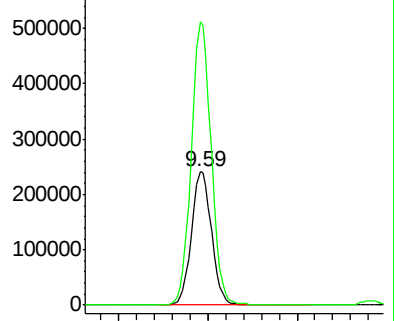
106 100

91 212.5 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 13.817 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006616.D

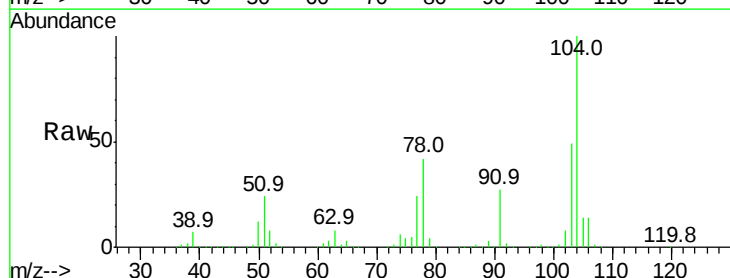
Acq: 17 Jul 2018 13:33

Tgt Ion:104 Resp: 653626

Ion Ratio Lower Upper

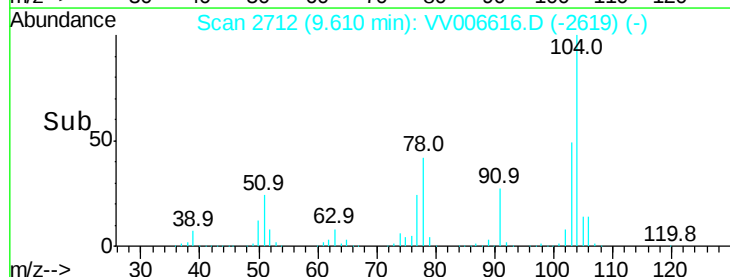
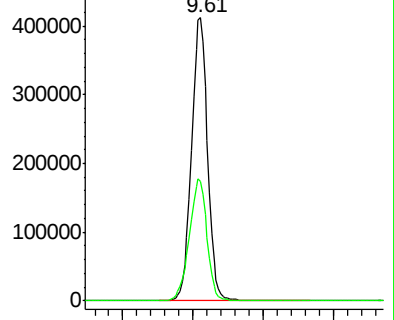
104 100

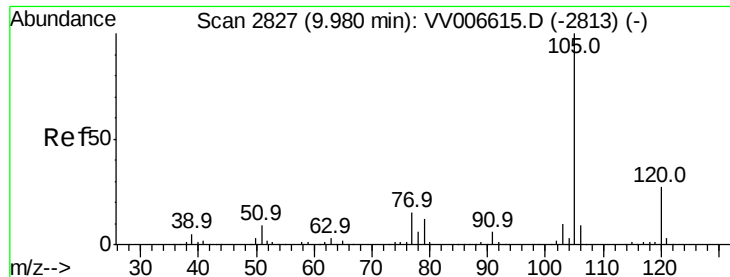
78 42.3 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 13.242 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01078

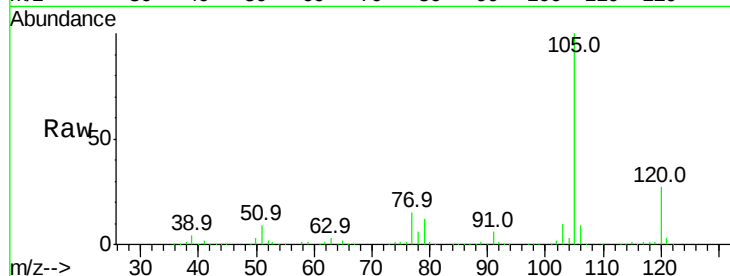
Tgt Ion:105 Resp: 955499

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

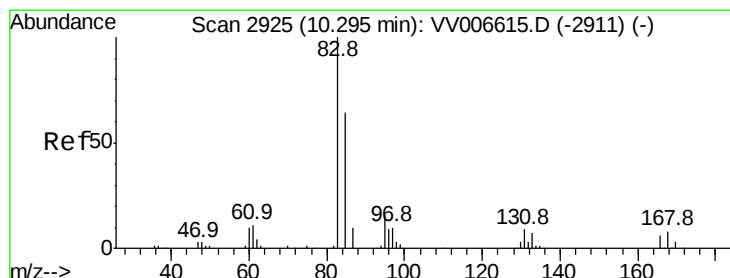
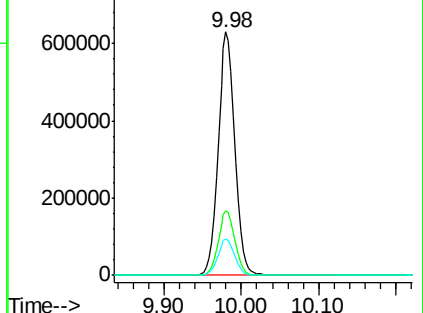
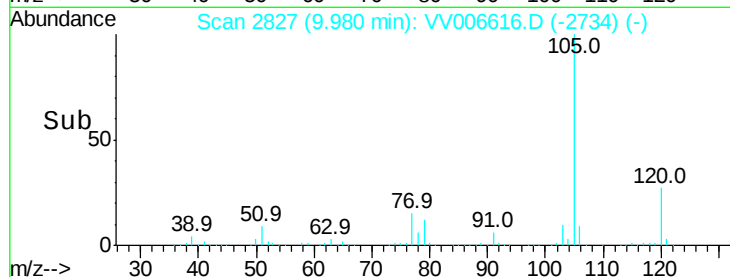
77 15.1 12.0 18.0



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: 14.361 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

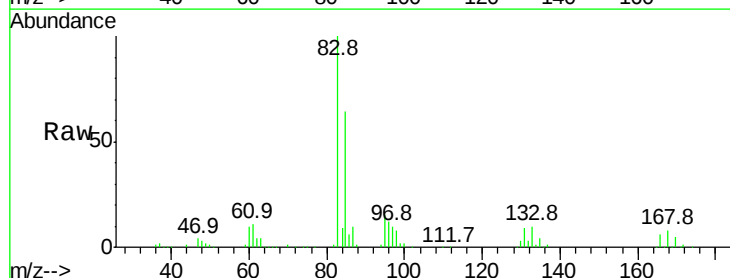
Tgt Ion: 83 Resp: 195760

Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

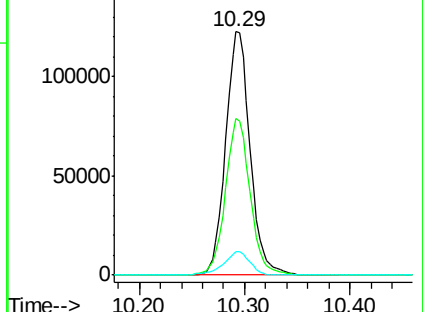
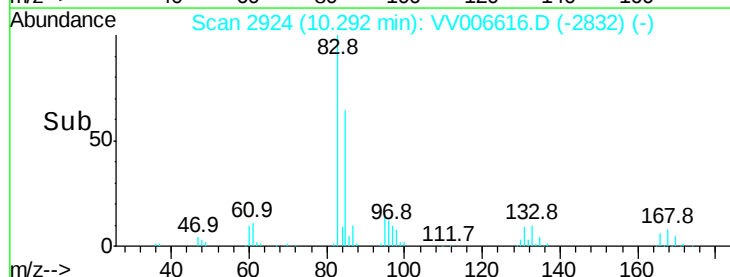
131 9.5 7.7 11.5

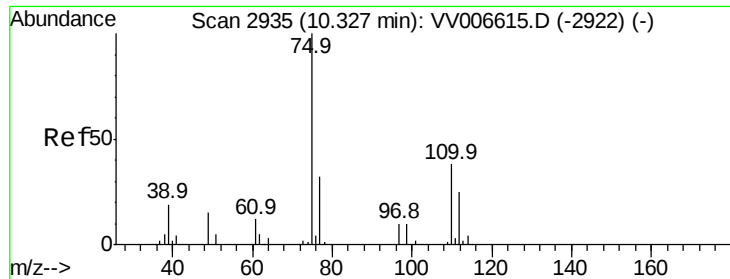


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 14.228 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

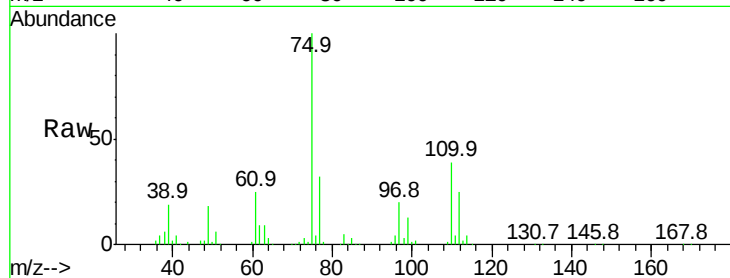
VSTD01078

Tgt Ion: 75 Resp: 139788

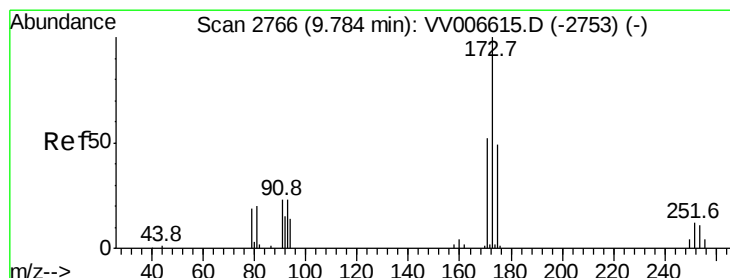
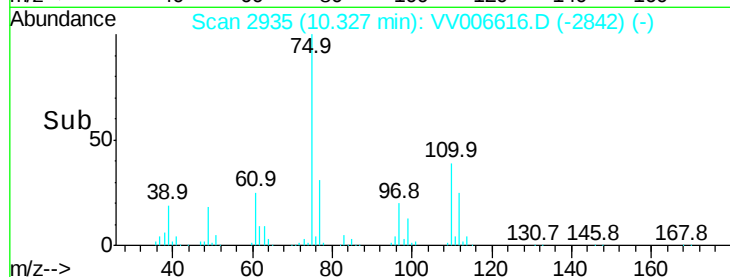
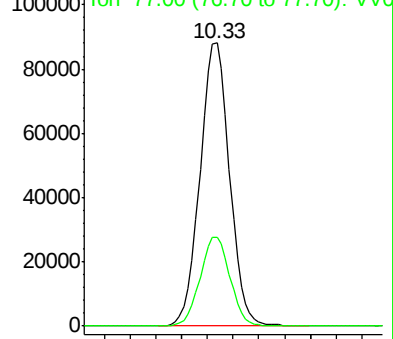
Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV006616.D (-2922) (-)



#61

Bromoform

Concen: 13.486 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

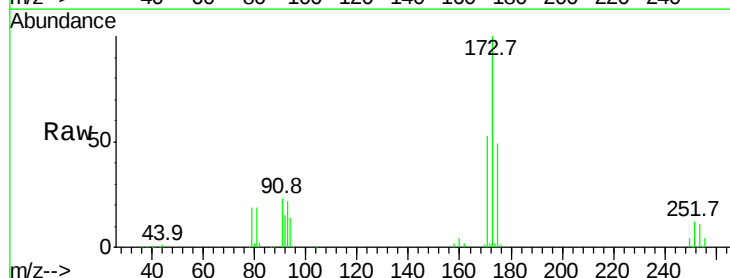
Tgt Ion: 173 Resp: 86990

Ion Ratio Lower Upper

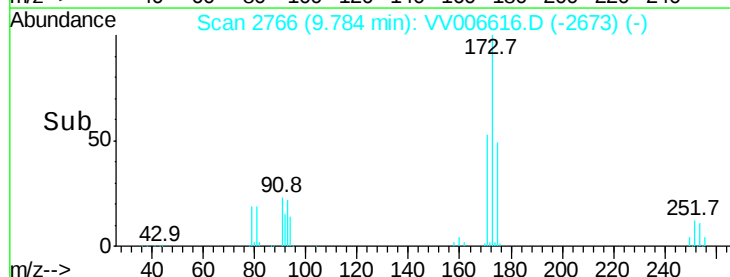
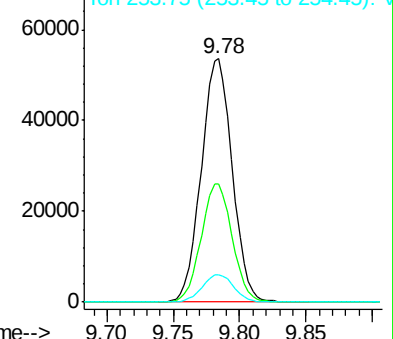
173 100

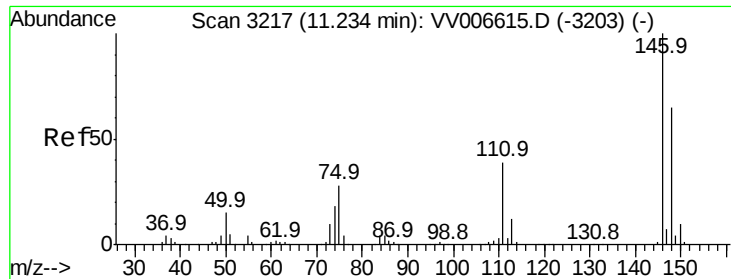
175 48.6 39.0 58.6

254 11.4 8.7 13.1



Abundance Ion 172.90 (172.60 to 173.60): VV006616.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 12.365 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01078

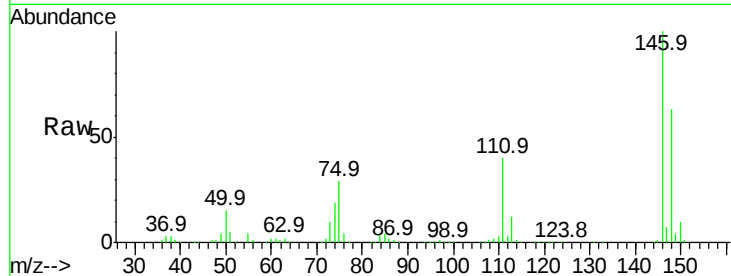
Tgt Ion:146 Resp: 439144

Ion Ratio Lower Upper

146 100

111 39.8 27.4 51.0

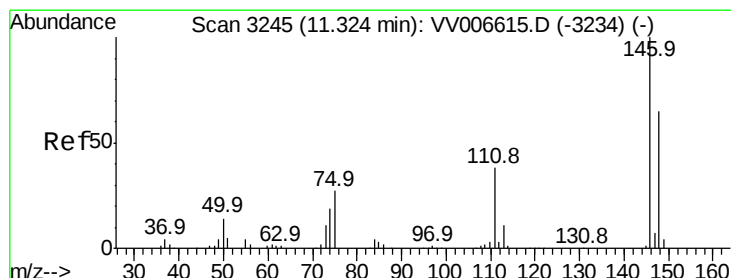
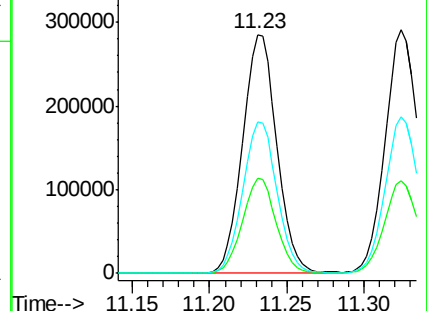
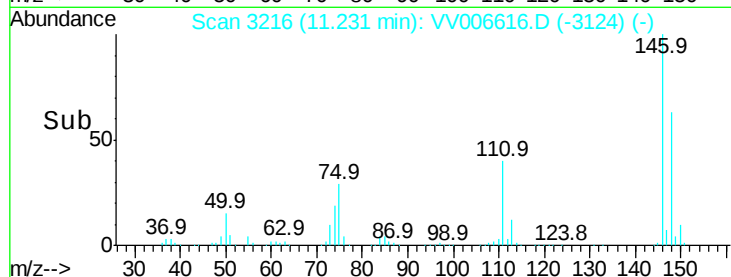
148 63.3 45.2 84.0



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: 12.288 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

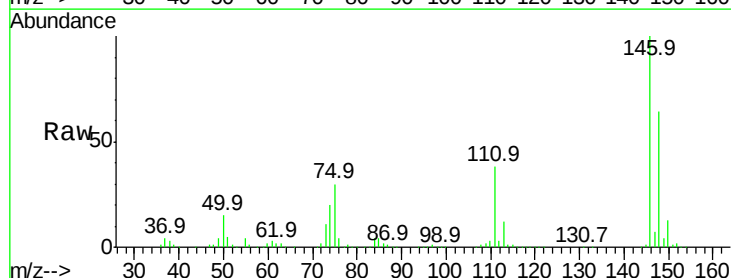
Tgt Ion:146 Resp: 443636

Ion Ratio Lower Upper

146 100

111 38.0 27.1 50.3

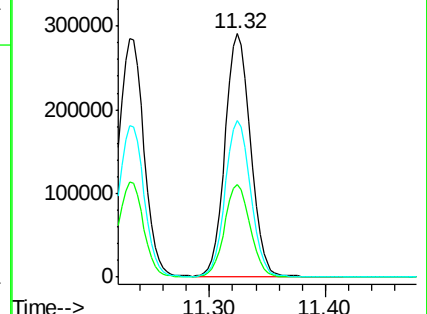
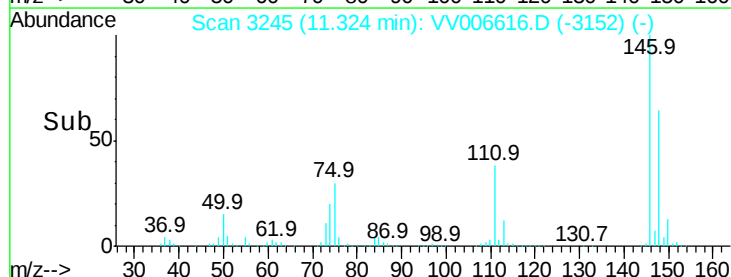
148 64.2 45.7 84.9

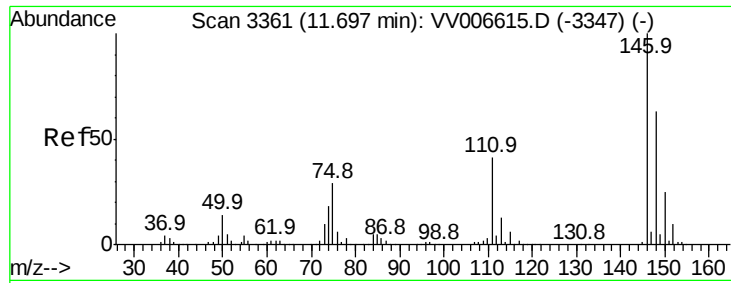


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

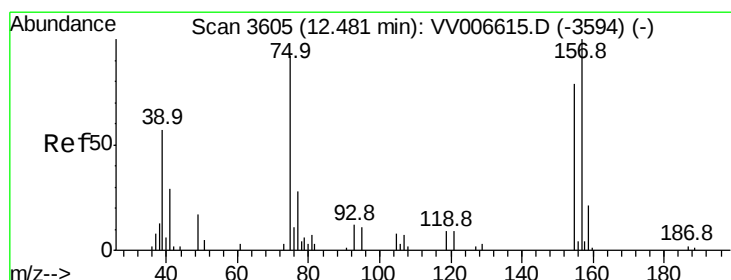
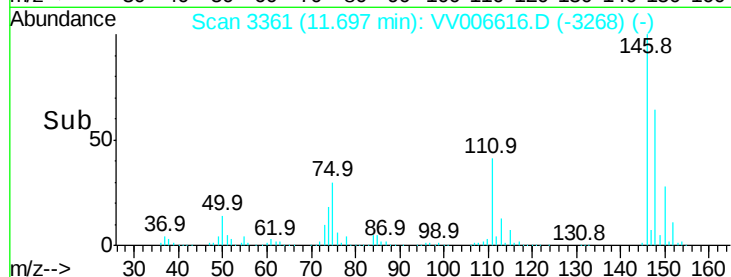
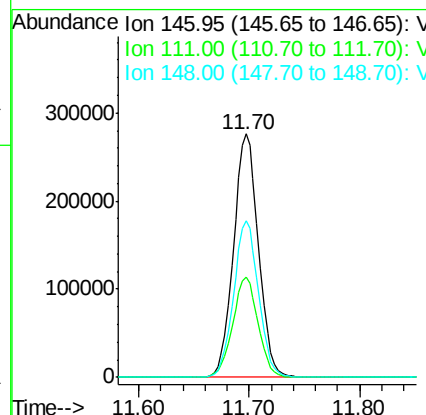
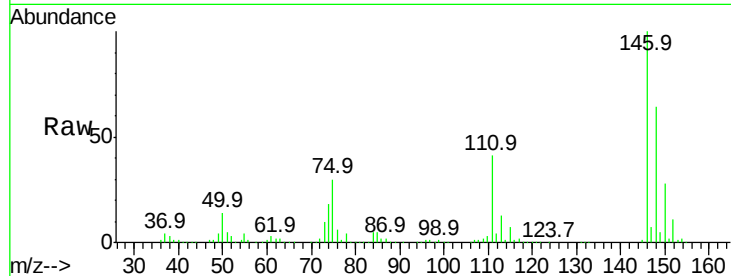




#65
 1,2-Dichlorobenzene
 Concen: 12.552 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006616.D
 Acq: 17 Jul 2018 13:33

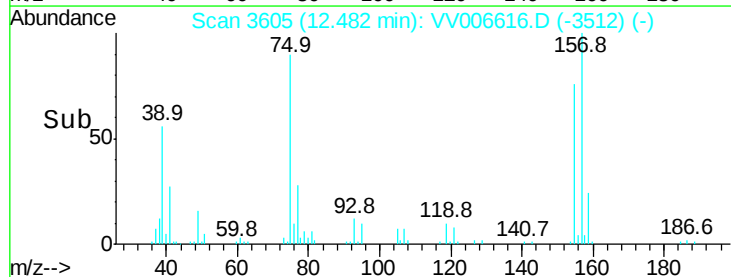
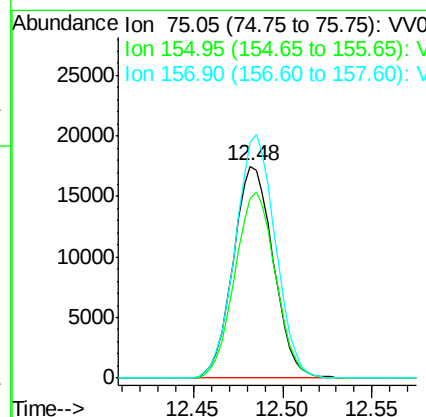
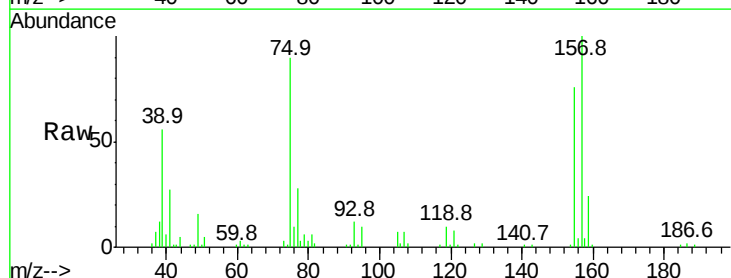
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01078

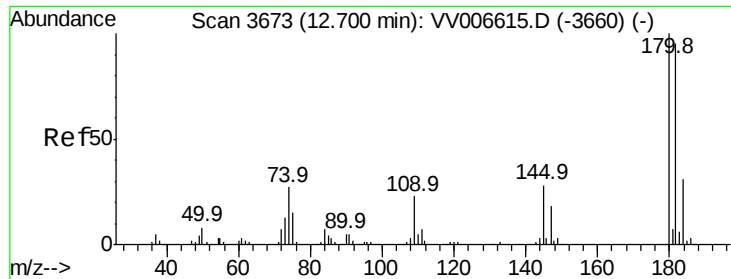
Tgt Ion: 146 Resp: 430624
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.6 48.8
 148 64.2 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 14.922 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV006616.D
 Acq: 17 Jul 2018 13:33

Tgt Ion: 75 Resp: 27356
 Ion Ratio Lower Upper
 75 100
 155 84.9 68.9 103.3
 157 111.4 87.0 130.6

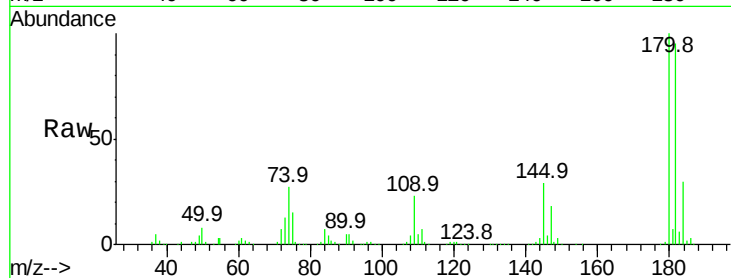




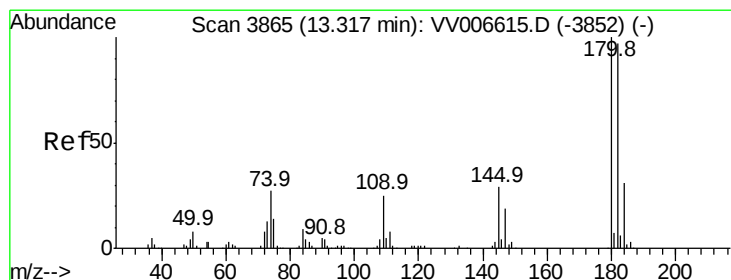
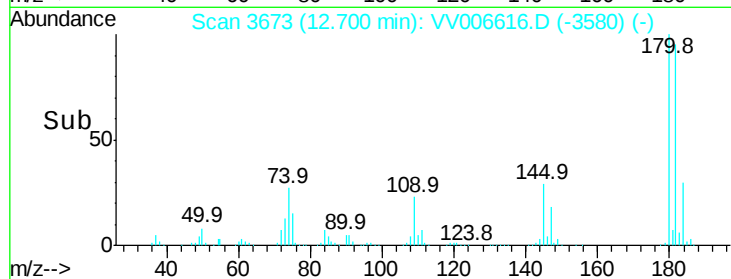
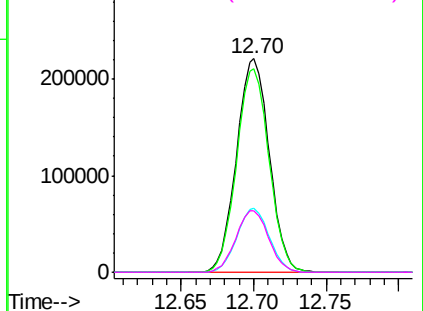
#67
 1,3,5-Trichlorobenzene
 Concen: 12.307 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006616.D
 Acq: 17 Jul 2018 13:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01078

Tgt Ion:180 Resp: 346263
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.2 114.2
 184 29.8 24.3 36.5
 145 28.8 23.0 34.4

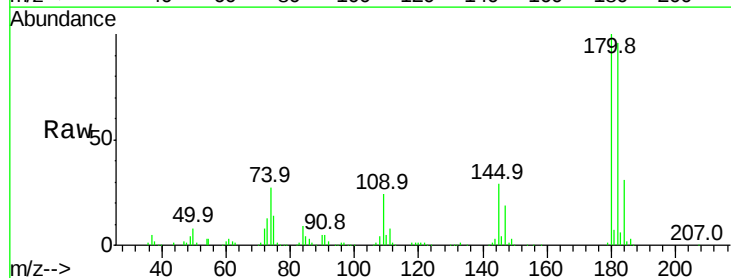


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

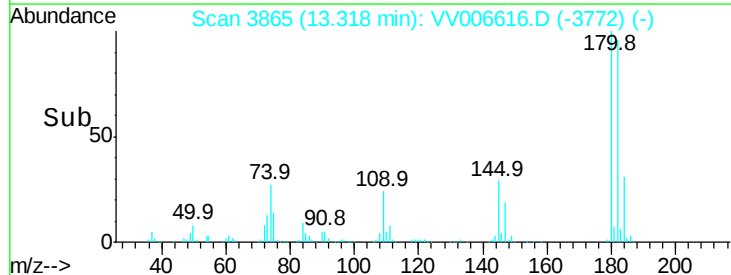
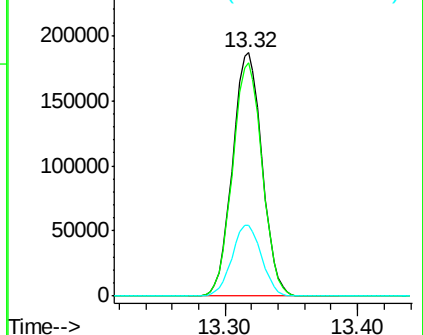


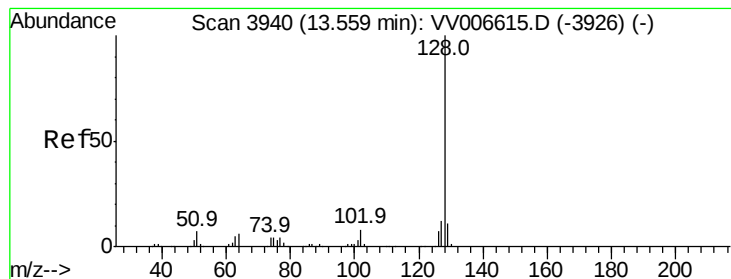
#68
 1,2,4-trichlorobenzene
 Concen: 12.896 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006616.D
 Acq: 17 Jul 2018 13:33

Tgt Ion:180 Resp: 288699
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.6 114.8
 145 29.3 23.4 35.0



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





#69

Naphthalene

Concen: 14.937 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD01078

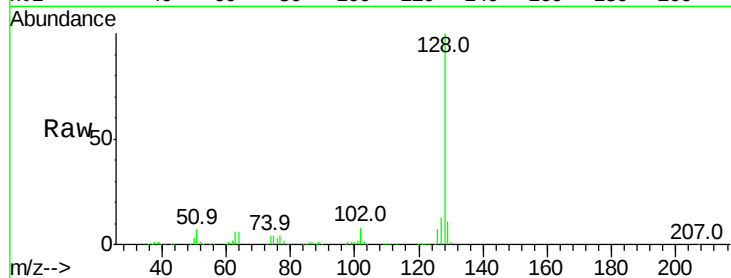
Tgt Ion:128 Resp: 567796

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

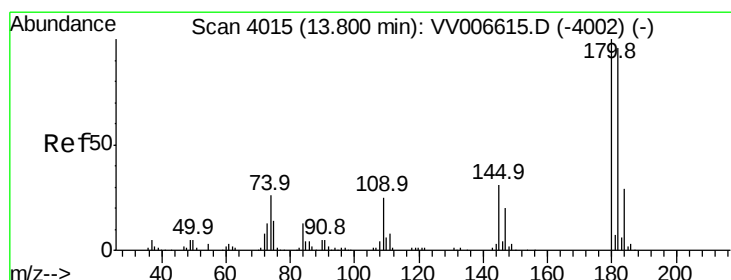
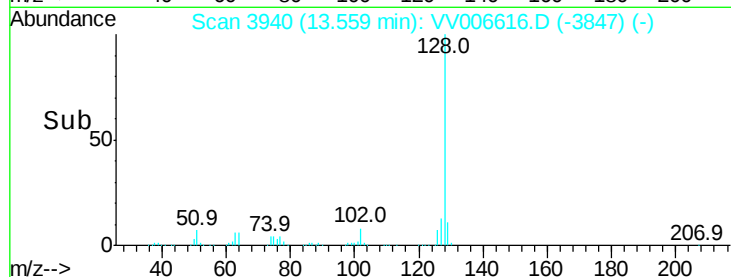
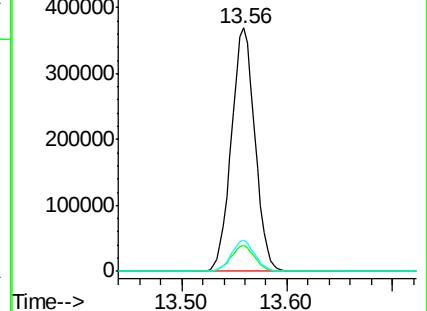
127 12.7 10.1 15.1



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: 13.217 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006616.D

Acq: 17 Jul 2018 13:33

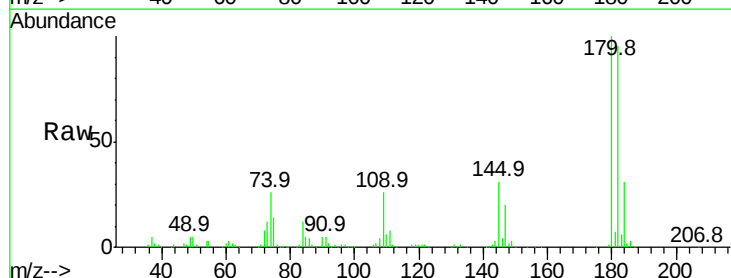
Tgt Ion:180 Resp: 277379

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

145 31.3 24.6 37.0



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

