

Data File : VV006614.D
Acq On : 17 Jul 2018 12:38
Operator : SY/MD
Sample : VSTD00176
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00176

Quant Time: Jul 17 13:45:06 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	247000	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	226549	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	102887	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23781	1.77	ug/L	0.00
7) Chloroethane-d5	1.58	69	18193	1.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	41349	1.66	ug/L	0.00
20) 2-Butanone-d5	3.96	46	34898	10.23	ug/L	0.00
24) Chloroform-d	4.41	84	37548	1.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	18469	1.50	ug/L	0.00
32) Benzene-d6	5.10	84	78510	1.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	24656	1.47	ug/L	0.00
41) Toluene-d8	7.37	98	70748	1.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	7904	1.39	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	42654	14.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	19168	1.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	24467	1.38	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	26144	1.350 ug/L	# 82
3) Chloromethane	1.27	50	27332	1.154 ug/L	100
5) Vinyl chloride	1.32	62	30283	1.377 ug/L	98
6) Bromomethane	1.52	94	13229	1.298 ug/L	96
8) Chloroethane	1.59	64	17523	1.313 ug/L	98
9) Trichlorofluoromethane	1.77	101	33839	1.368 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	20038	1.311 ug/L	99
12) 1,1-Dichloroethene	2.14	96	20164	1.304 ug/L	97
13) Acetone	2.19	43	34241	15.872 ug/L	97
14) Carbon disulfide	2.32	76	59925	1.296 ug/L	100
15) Methyl Acetate	2.47	43	10356	1.631 ug/L	99
16) Methylene chloride	2.54	84	26209	1.503 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	52174	1.424 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	21806	1.292 ug/L	100
19) 1,1-Dichloroethane	3.23	63	41741	1.426 ug/L	99
21) 2-Butanone	4.04	43	56693	16.017 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	22814	1.259 ug/L	95
23) Bromochloromethane	4.31	128	9152	1.233 ug/L	97
25) Chloroform	4.43	83	38846	1.334 ug/L	97
27) 1,2-Dichloroethane	5.19	62	23037	1.393 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	30166	1.271 ug/L	99
30) Cyclohexane	4.73	56	30719	1.216 ug/L	98
31) Carbon tetrachloride	4.88	117	24619	1.240 ug/L	98
33) Benzene	5.15	78	87262	1.291 ug/L	100
34) Trichloroethene	5.96	95	21398	1.234 ug/L	98
35) Methylcyclohexane	6.18	83	32181	1.152 ug/L	97
37) 1,2-Dichloropropane	6.23	63	21795	1.318 ug/L	100
38) Bromodichloromethane	6.56	83	24117	1.293 ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	26513	1.194 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	120732	14.402 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	87063	1.238	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	20455	1.194	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	15899	1.374	ug/L	96
47) Tetrachloroethene	8.03	164	17136	1.202	ug/L	98
48) 2-Hexanone	8.19	43	85794	14.434	ug/L	98
49) Dibromochloromethane	8.30	129	14345	1.189	ug/L	95
50) 1,2-Dibromoethane	8.40	107	13417	1.274	ug/L	97
51) Chlorobenzene	8.93	112	56841	1.235	ug/L	99
52) Ethylbenzene	9.06	91	87971	1.177	ug/L	99
53) m,p-xylene	9.19	106	33355	1.159	ug/L	96
54) o-xylene	9.59	106	32003	1.136	ug/L	98
55) Styrene	9.61	104	54549	1.151	ug/L	98
56) Isopropylbenzene	9.98	105	83210	1.151	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	19238	1.409	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	13789	1.401	ug/L	100
61) Bromoform	9.78	173	7488	1.270	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	39539	1.218	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	40798	1.237	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	39716	1.267	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	2386	1.424	ug/L	88
67) 1,3,5-Trichlorobenzene	12.70	180	30067	1.170	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	24572	1.201	ug/L	98
69) Naphthalene	13.56	128	42064	1.211	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	23211	1.210	ug/L	99

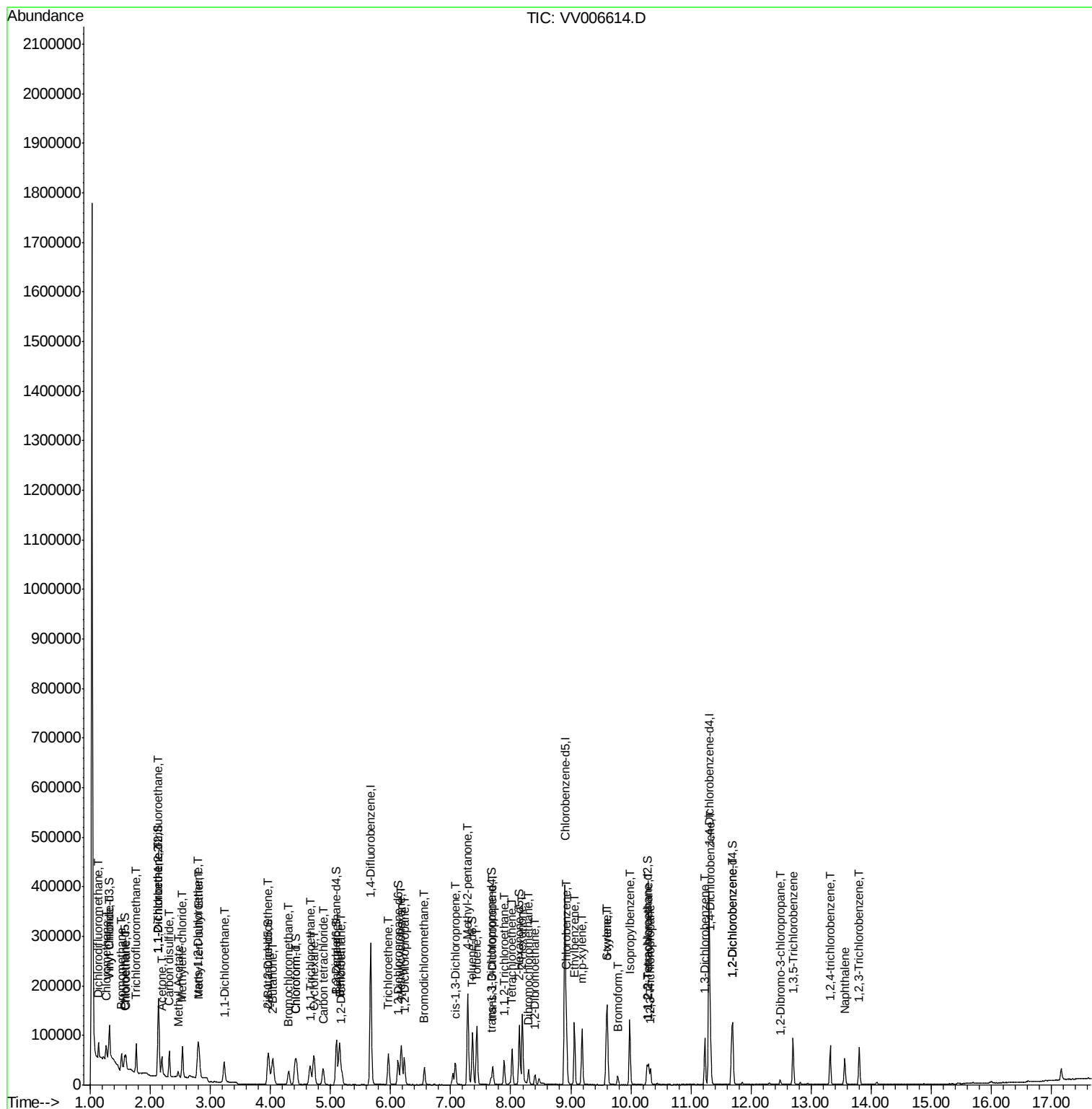
(#) = qualifier out of range (m) = manual integration (+) = signals summed

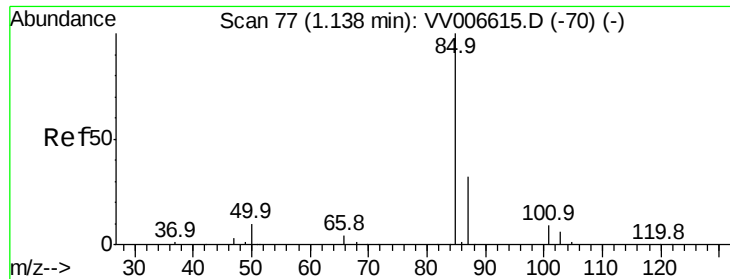
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#2

Dichlorodifluoromethane

Concen: 1.350 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

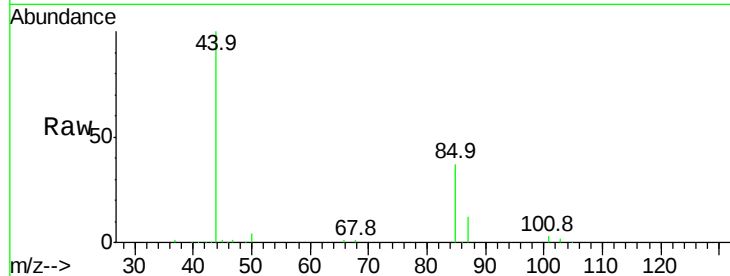
VSTD00176

Tgt Ion: 85 Resp: 26144

Ion Ratio Lower Upper

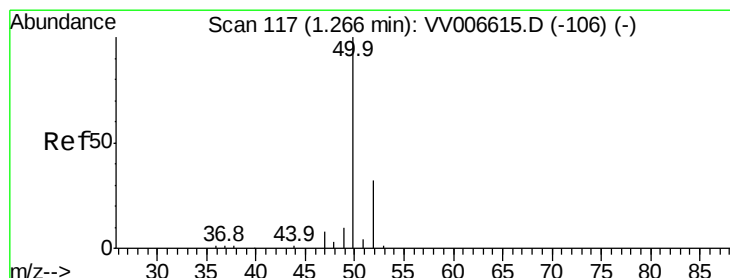
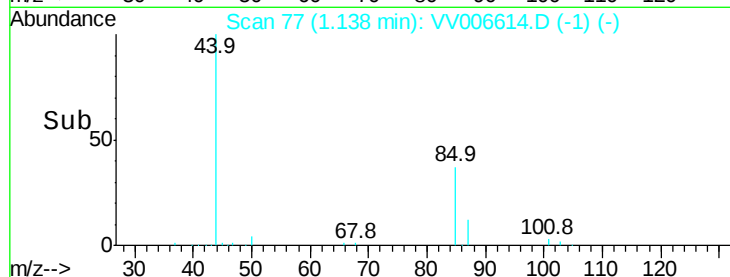
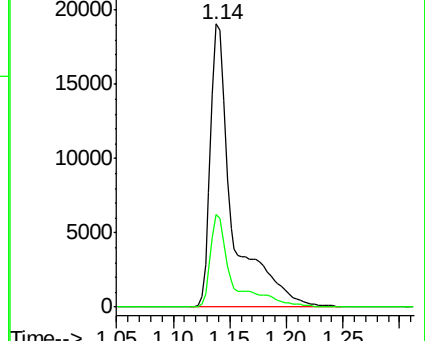
85 100

87 31.6 18.3 27.5#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.154 ug/L

RT: 1.27 min Scan# 117

Delta R.T. 0.00 min

Lab File: VV006614.D

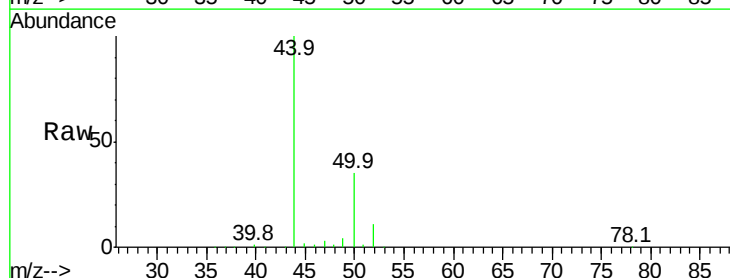
Acq: 17 Jul 2018 12:38

Tgt Ion: 50 Resp: 27332

Ion Ratio Lower Upper

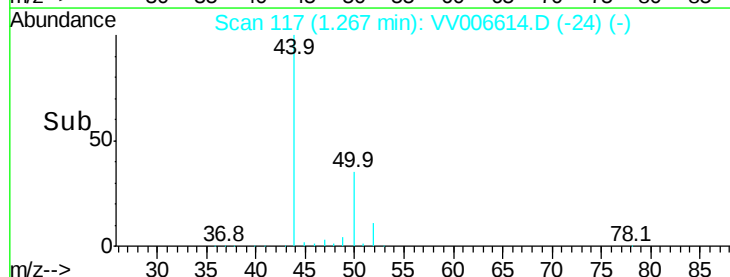
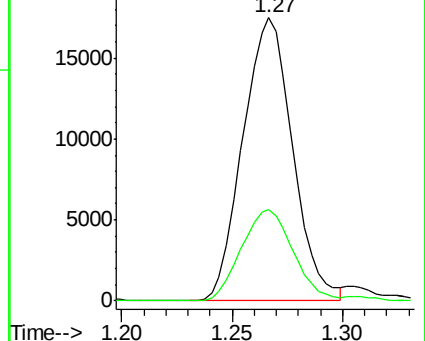
50 100

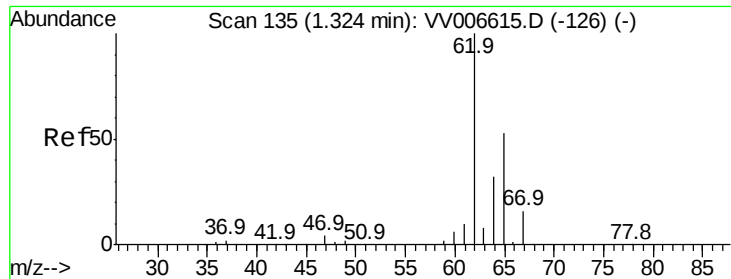
52 32.1 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 1.377 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

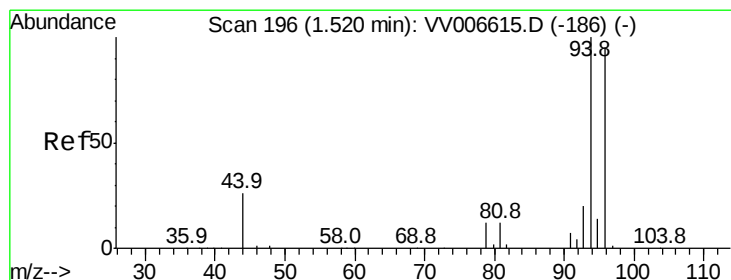
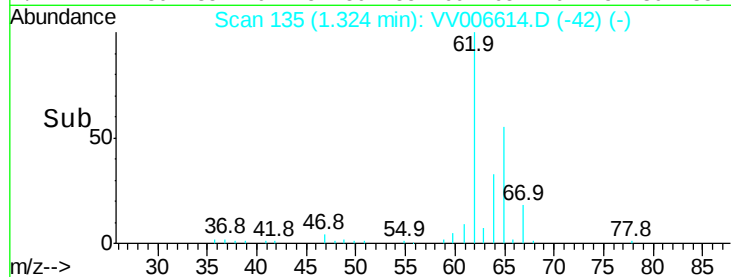
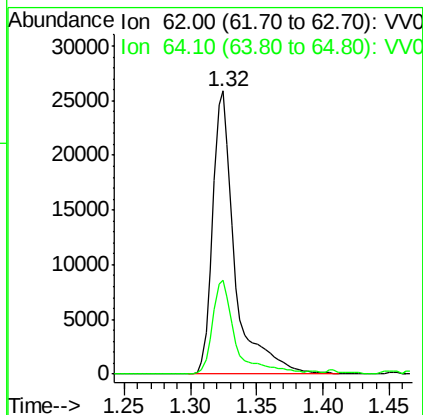
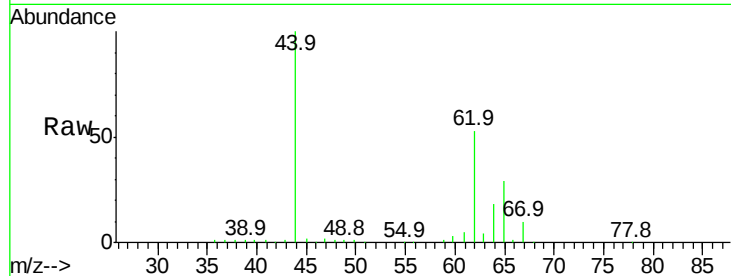
VSTD00176

Tgt Ion: 62 Resp: 30283

Ion Ratio Lower Upper

62 100

64 33.4 22.6 42.0



#6

Bromomethane

Concen: 1.298 ug/L

RT: 1.52 min Scan# 196

Delta R.T. 0.00 min

Lab File: VV006614.D

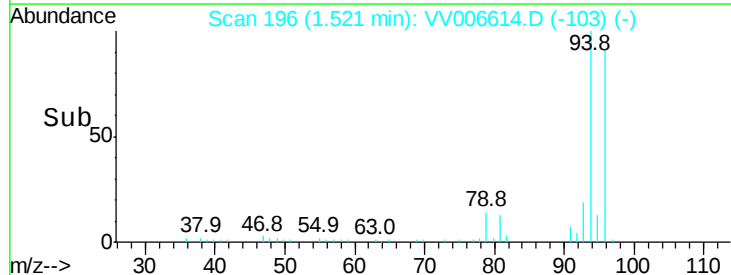
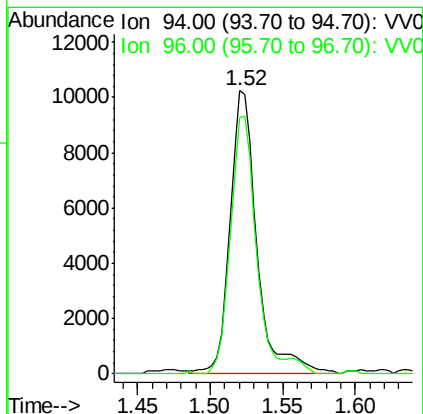
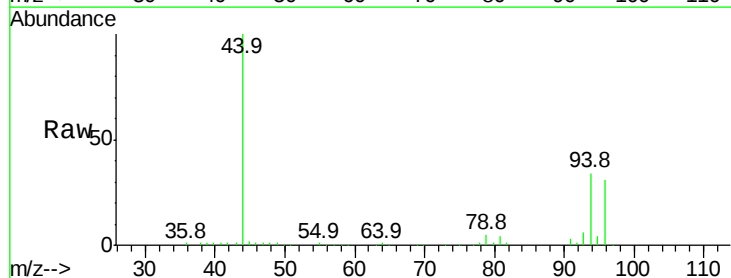
Acq: 17 Jul 2018 12:38

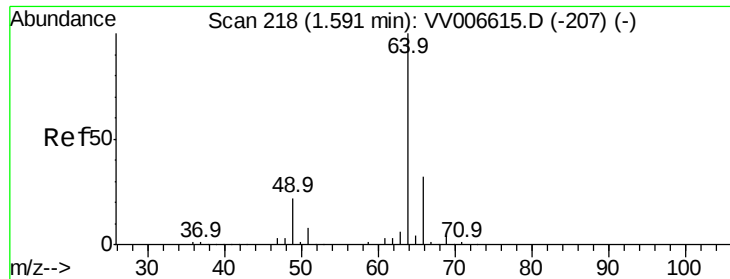
Tgt Ion: 94 Resp: 13229

Ion Ratio Lower Upper

94 100

96 90.6 66.2 123.0

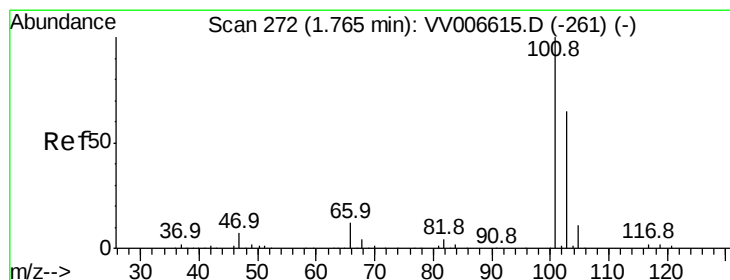
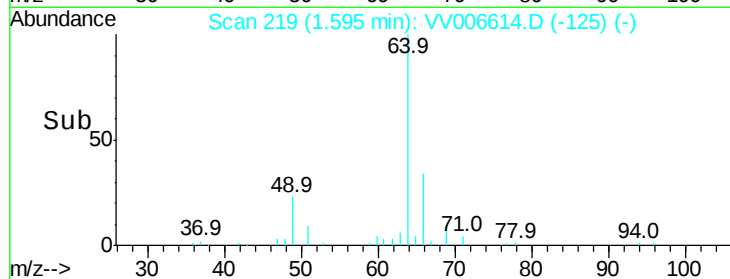
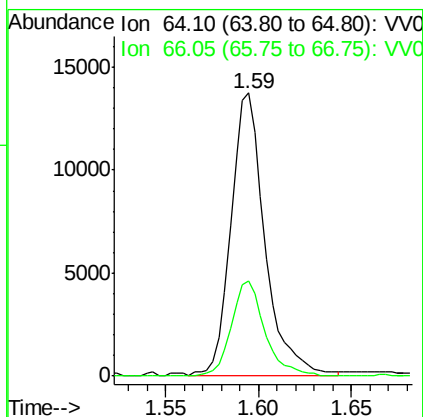
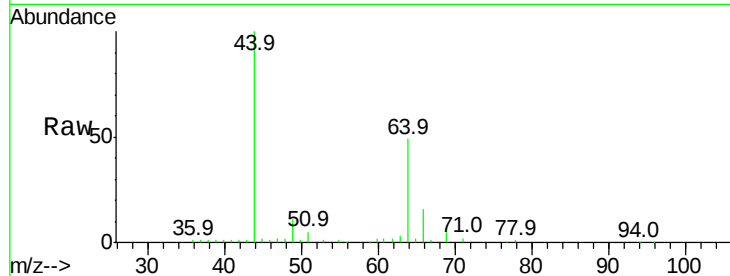




#8
Chloroethane
Concen: 1.313 ug/L
RT: 1.59 min Scan# 219
Delta R.T. 0.00 min
Lab File: VV006614.D
Acq: 17 Jul 2018 12:38

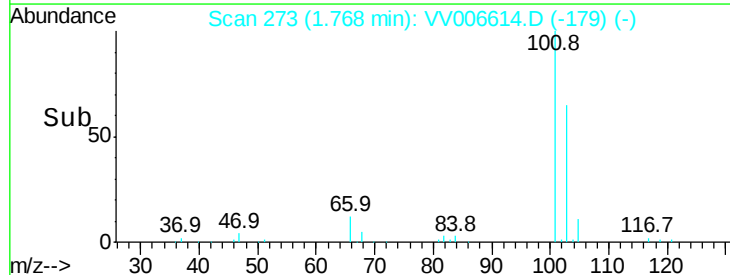
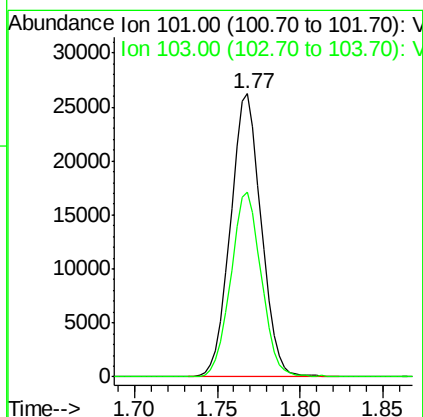
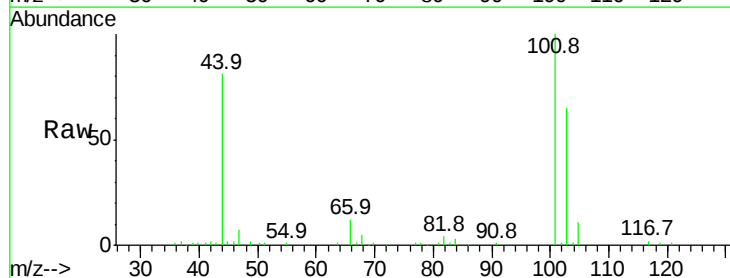
Instrument :
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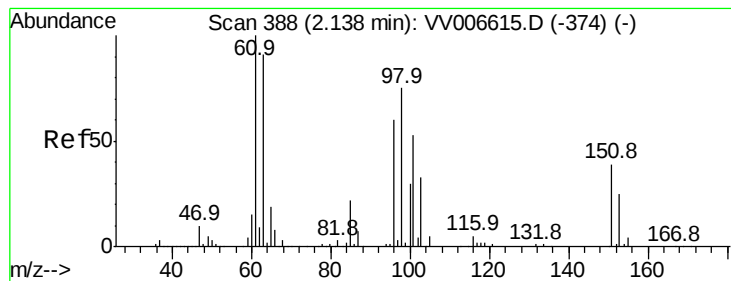
Tgt Ion: 64 Resp: 17523
Ion Ratio Lower Upper
64 100
66 33.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 1.368 ug/L
RT: 1.77 min Scan# 273
Delta R.T. 0.00 min
Lab File: VV006614.D
Acq: 17 Jul 2018 12:38

Tgt Ion: 101 Resp: 33839
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6





#10

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

Concen: 1.311 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

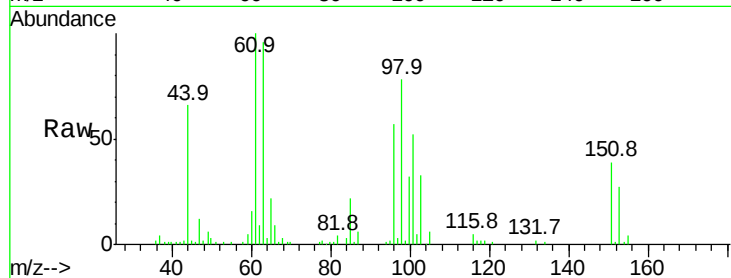
Tgt Ion: 101 Resp: 20038

Ion Ratio Lower Upper

101 100

85 42.0 33.9 50.9

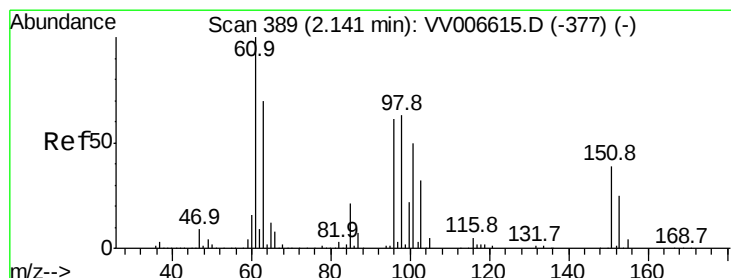
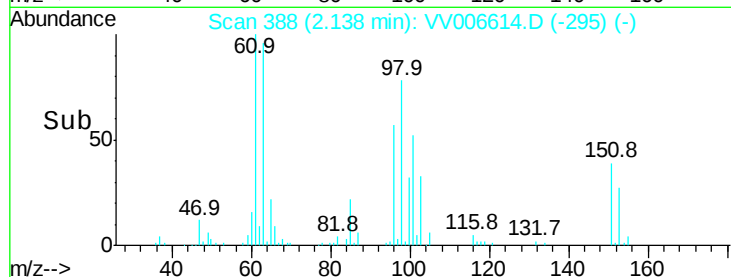
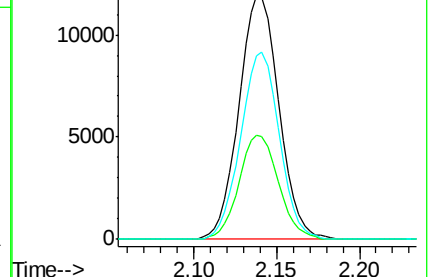
151 74.4 60.5 90.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.304 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

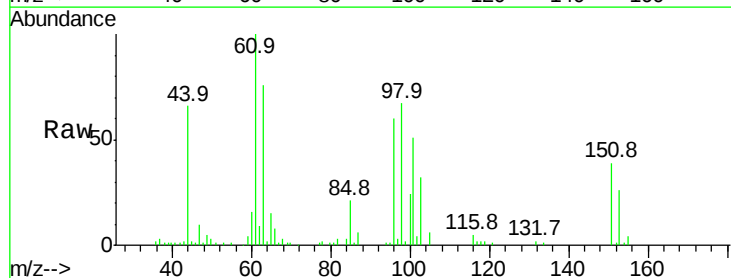
Tgt Ion: 96 Resp: 20164

Ion Ratio Lower Upper

96 100

61 165.3 114.9 213.5

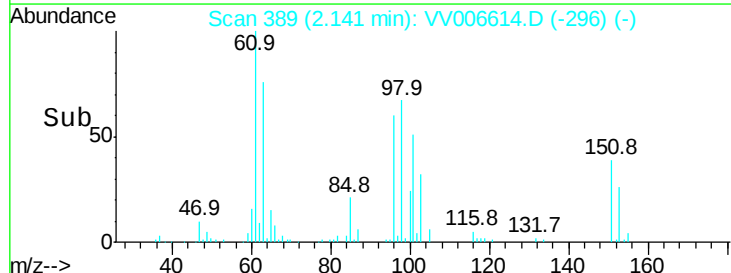
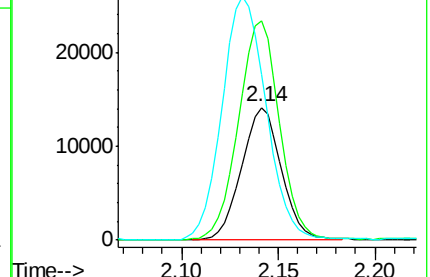
63 124.9 81.9 152.1

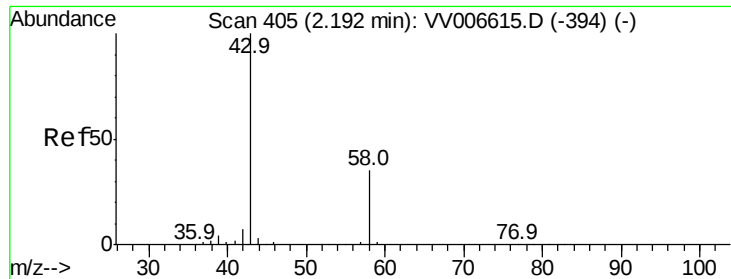


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 15.872 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

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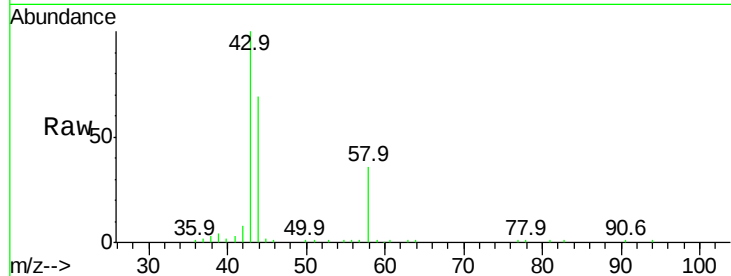
VSTD00176

Tgt Ion: 43 Resp: 34241

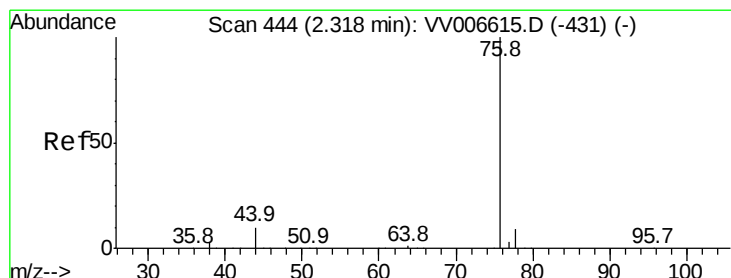
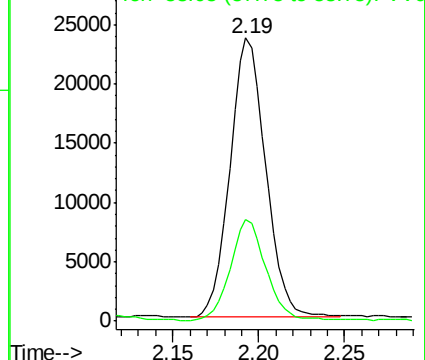
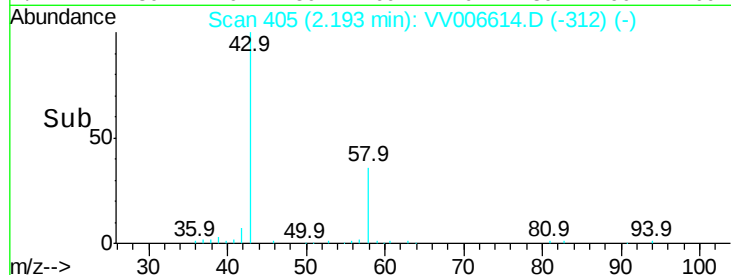
Ion Ratio Lower Upper

43 100

58 37.2 0.0 70.8



Abundance Ion 43.05 (42.75 to 43.75): VV006614.D (-312) (-)



#14

Carbon disulfide

Concen: 1.296 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006614.D

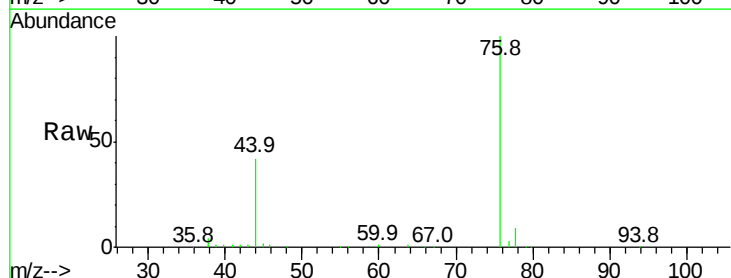
Acq: 17 Jul 2018 12:38

Tgt Ion: 76 Resp: 59925

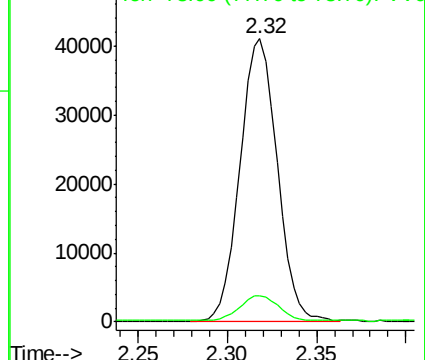
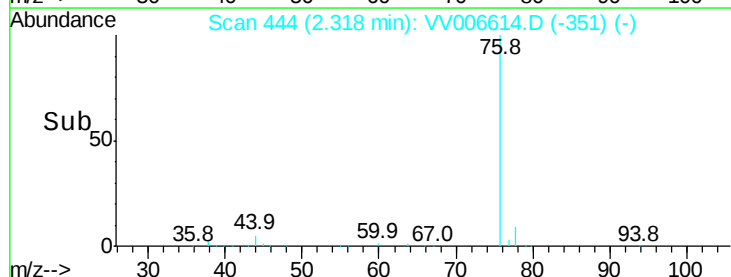
Ion Ratio Lower Upper

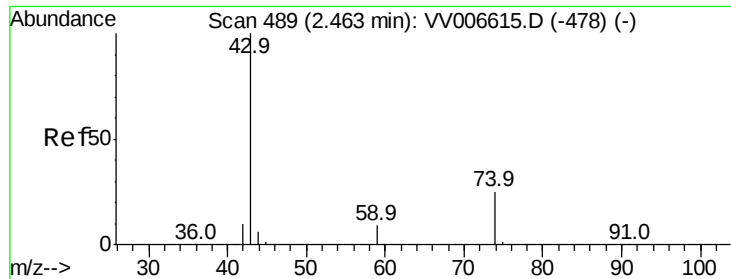
76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV006614.D (-351) (-)





#15

Methyl Acetate

Concen: 1.631 ug/L

RT: 2.47 min Scan# 490

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

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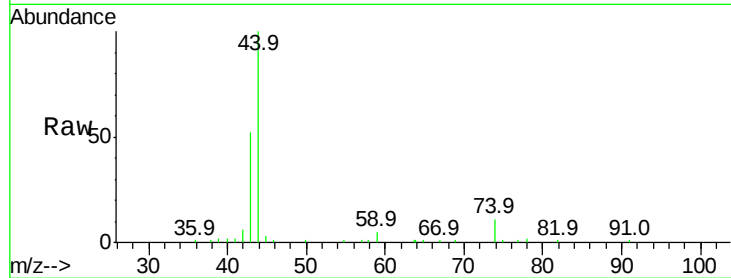
VSTD00176

Tgt Ion: 43 Resp: 10356

Ion Ratio Lower Upper

43 100

74 25.7 20.2 30.4



Abundance Ion 43.05 (42.75 to 43.75): VV006614.D (-490) (-)

Ion 74.05 (73.75 to 74.75): VV006614.D (-490) (-)

2.47

8000

6000

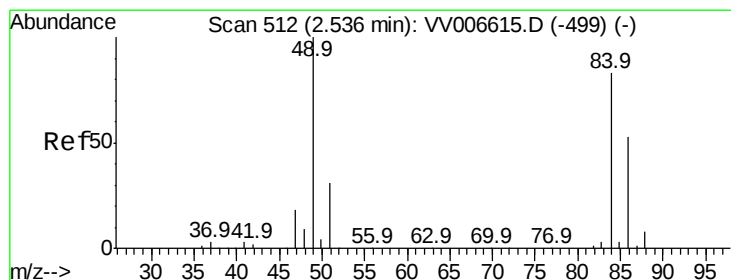
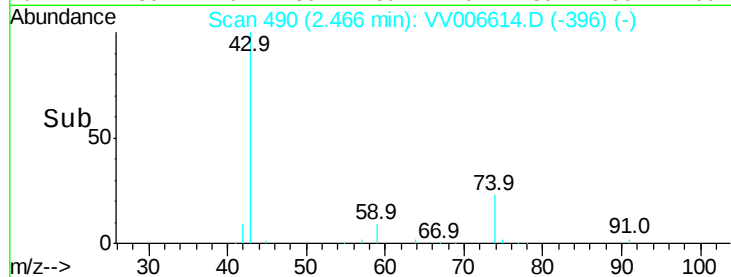
4000

2000

0

Time-->

2.40 2.45 2.50



#16

Methylene chloride

Concen: 1.503 ug/L

RT: 2.54 min Scan# 512

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

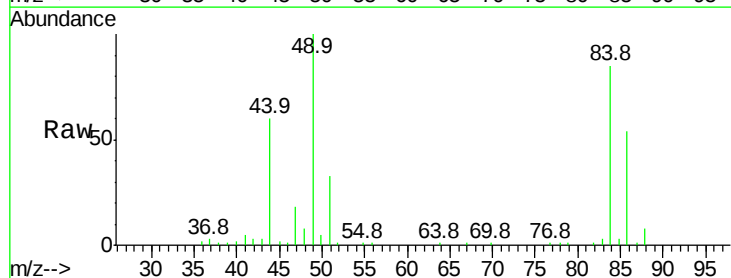
Tgt Ion: 84 Resp: 26209

Ion Ratio Lower Upper

84 100

86 63.1 45.2 84.0

49 117.2 84.5 156.9



Abundance Ion 84.05 (83.75 to 84.75): VV006614.D (-419) (-)

Ion 86.00 (85.70 to 86.70): VV006614.D (-419) (-)

Ion 49.10 (48.80 to 49.80): VV006614.D (-419) (-)

25000

20000

15000

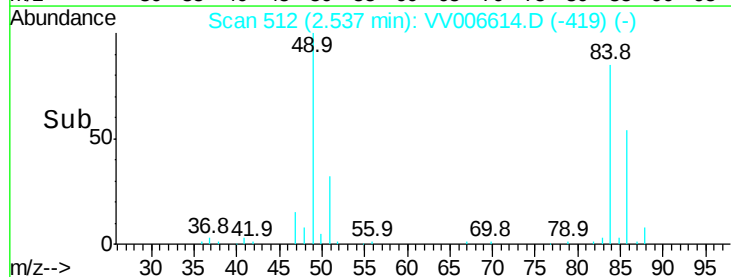
10000

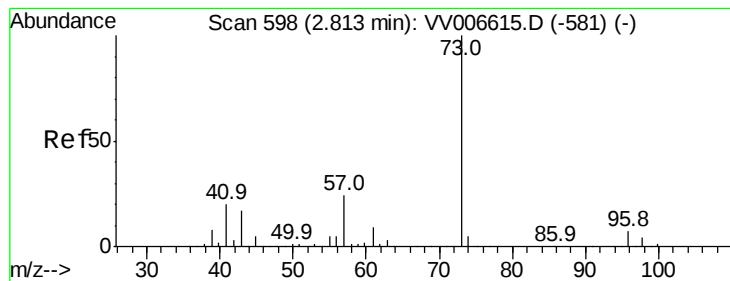
5000

0

Time-->

2.50 2.55 2.60





#17

Methyl tert-butyl Ether

Concen: 1.424 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

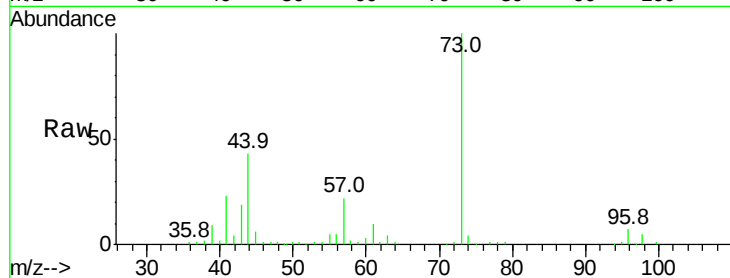
Tgt Ion: 73 Resp: 52174

Ion Ratio Lower Upper

73 100

43 17.9 13.7 20.5

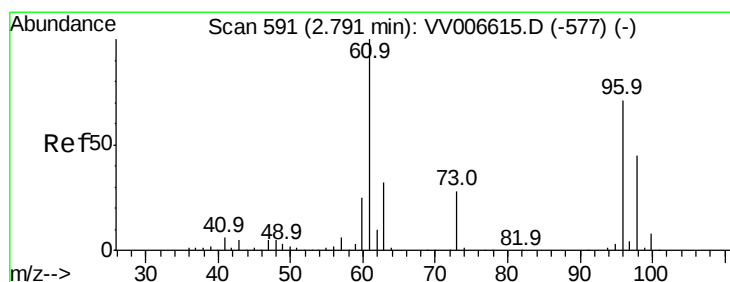
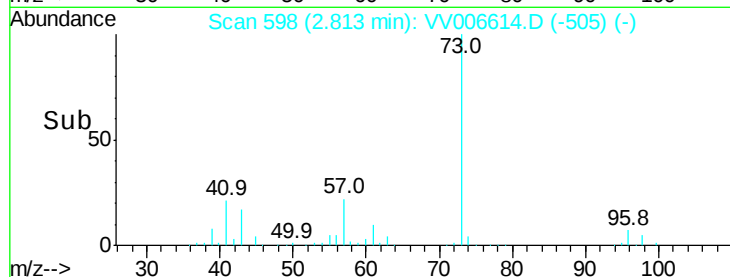
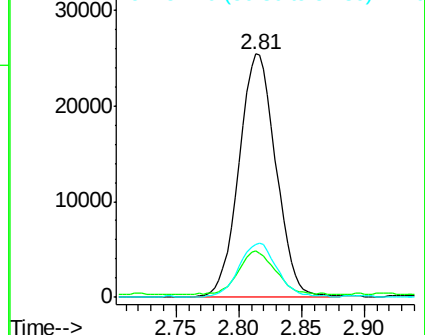
57 23.1 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VV006614.D (-581) (-)

Ion 43.05 (42.75 to 43.75): VV006614.D (-581) (-)

Ion 57.10 (56.80 to 57.80): VV006614.D (-581) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.292 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

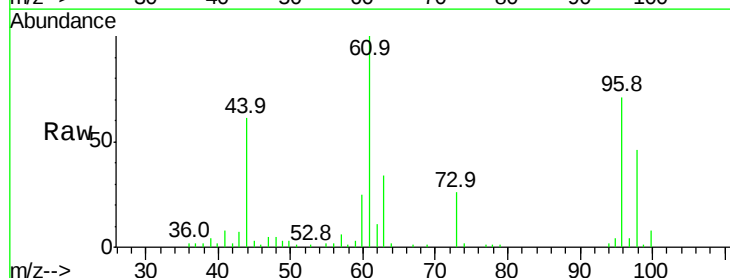
Tgt Ion: 96 Resp: 21806

Ion Ratio Lower Upper

96 100

61 140.1 98.1 182.1

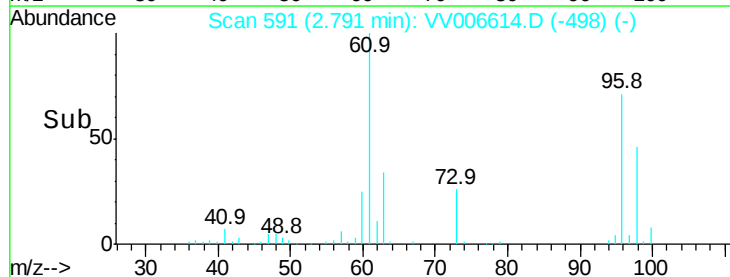
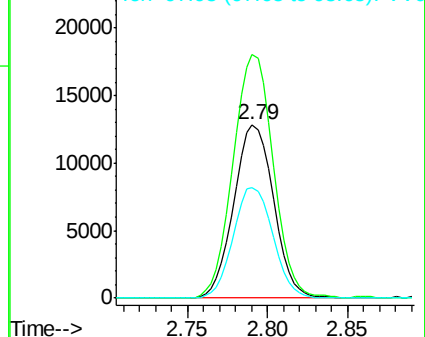
98 63.9 44.4 82.4

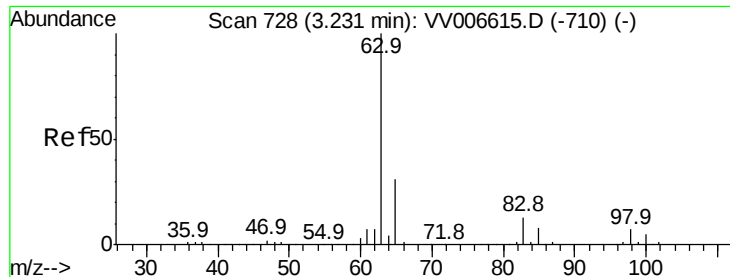


Abundance Ion 96.00 (95.70 to 96.70): VV006614.D (-577) (-)

Ion 61.05 (60.75 to 61.75): VV006614.D (-577) (-)

Ion 97.95 (97.65 to 98.65): VV006614.D (-577) (-)

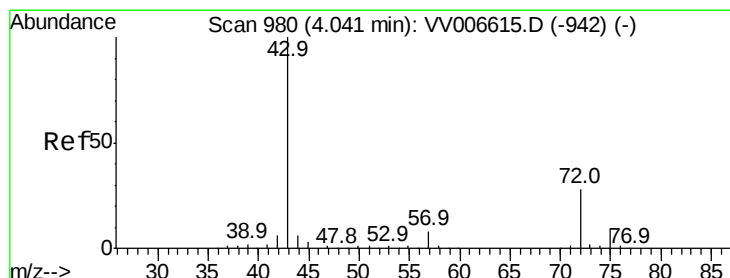
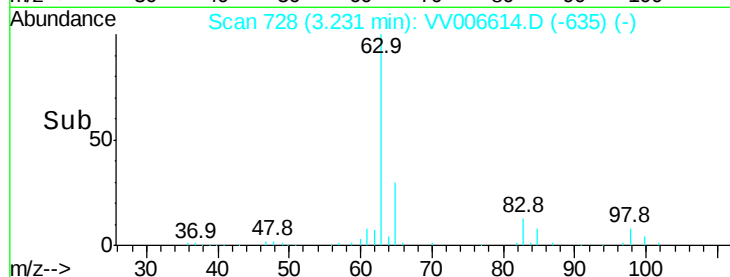
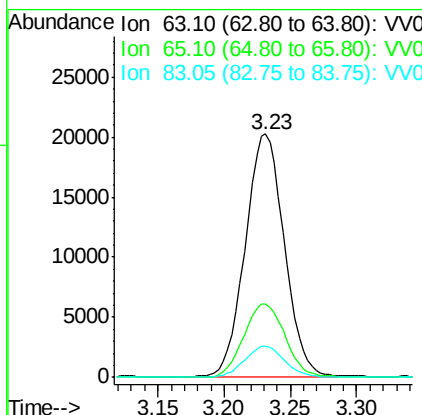
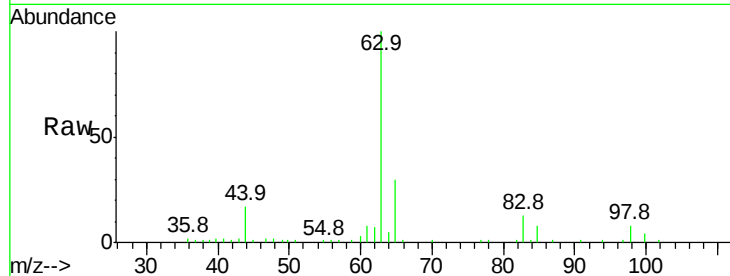




#19
 1,1-Dichloroethane
 Concen: 1.426 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

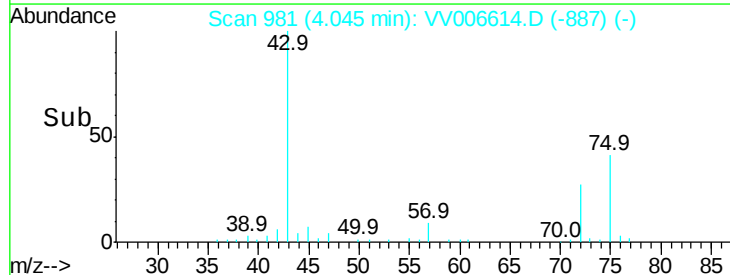
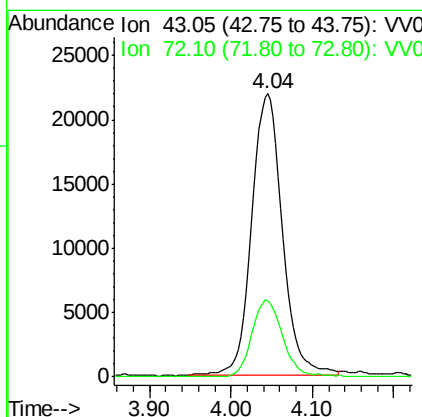
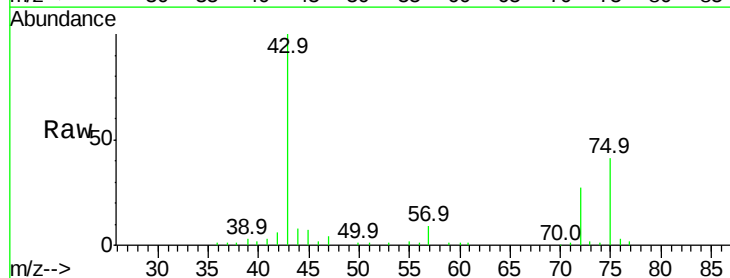
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

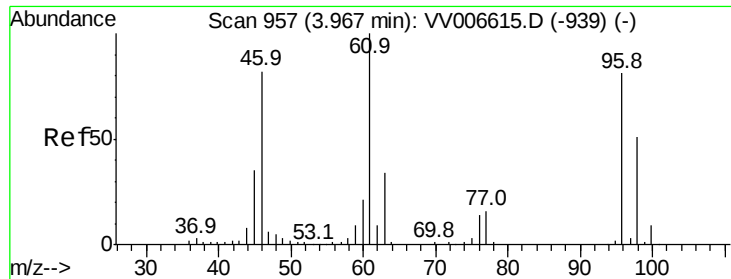
Tgt Ion: 63 Resp: 41741
 Ion Ratio Lower Upper
 63 100
 65 30.2 21.7 40.3
 83 12.8 9.3 17.3



#21
 2-Butanone
 Concen: 16.017 ug/L
 RT: 4.04 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

Tgt Ion: 43 Resp: 56693
 Ion Ratio Lower Upper
 43 100
 72 26.9 13.4 40.1



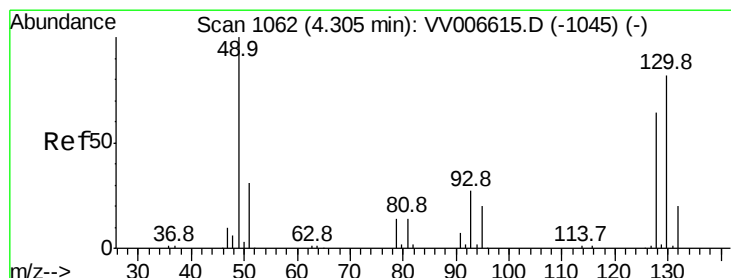
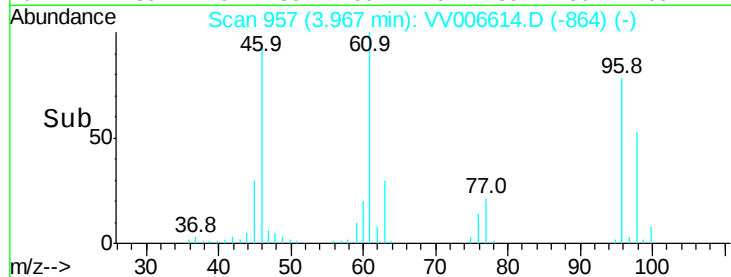
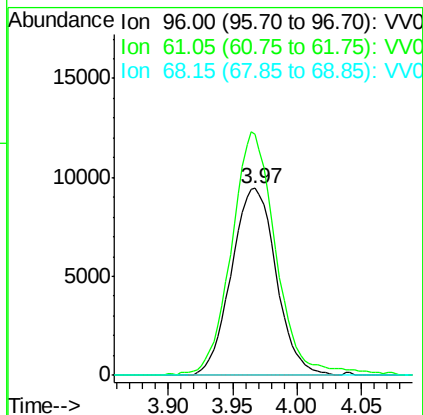
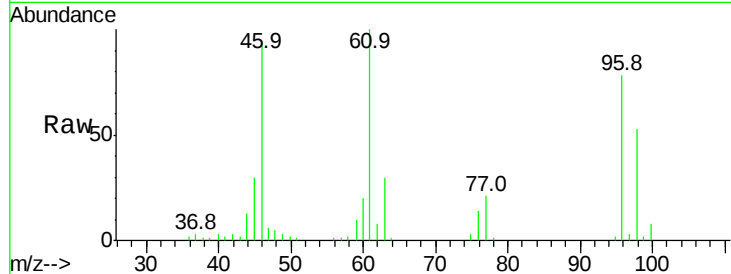


#22

cis-1,2-Dichloroethene
Concen: 1.259 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006614.D
Acq: 17 Jul 2018 12:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD00176

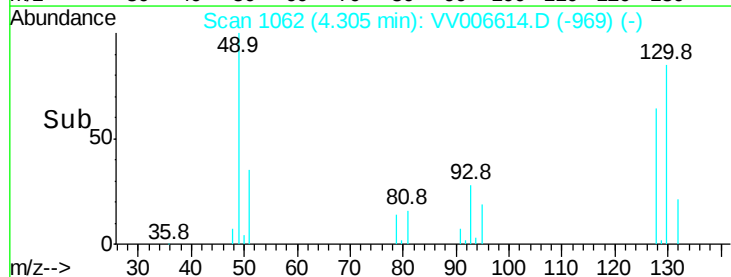
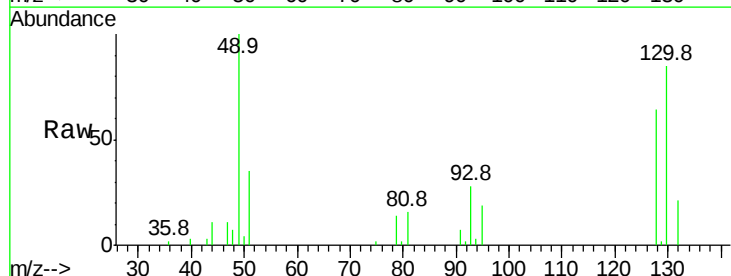
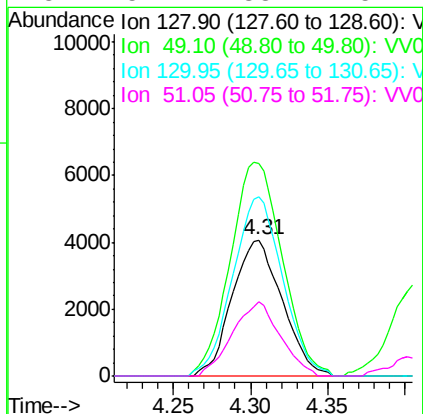
Tgt Ion: 96 Resp: 22814
Ion Ratio Lower Upper
96 100
61 128.7 86.2 160.2
68 0.0 0.0 0.0

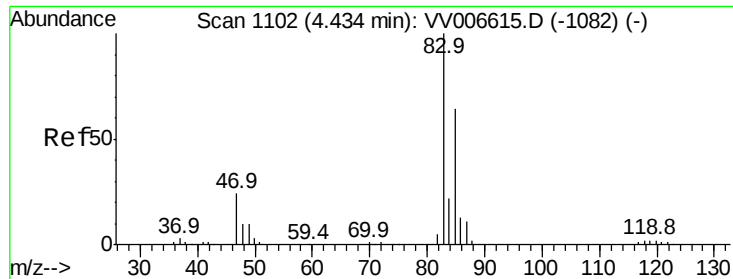


#23

Bromochloromethane
Concen: 1.233 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006614.D
Acq: 17 Jul 2018 12:38

Tgt Ion: 128 Resp: 9152
Ion Ratio Lower Upper
128 100
49 155.5 108.6 201.6
130 131.9 89.4 166.0
51 54.1 38.2 57.4

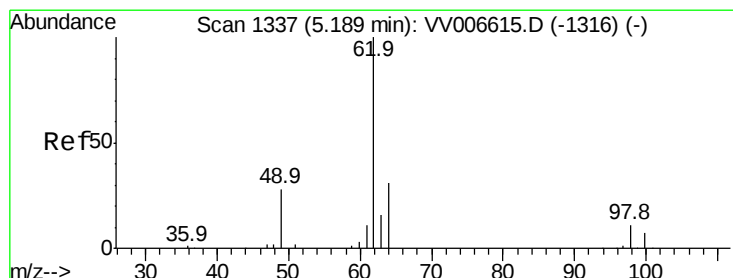
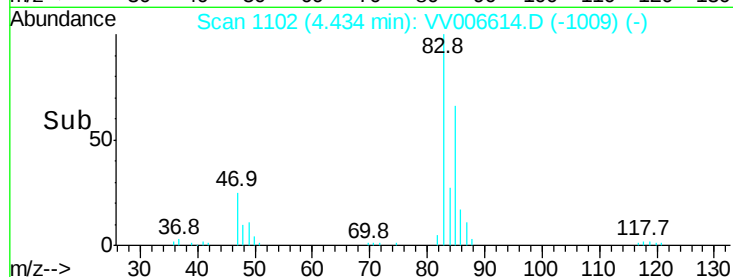
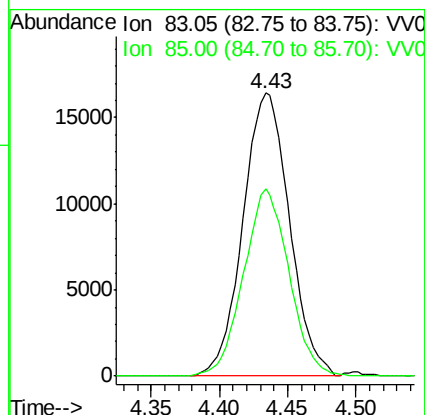
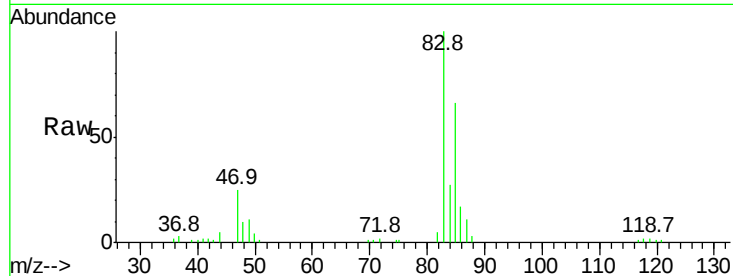




#25
Chloroform
Concen: 1.334 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006614.D
Acq: 17 Jul 2018 12:38

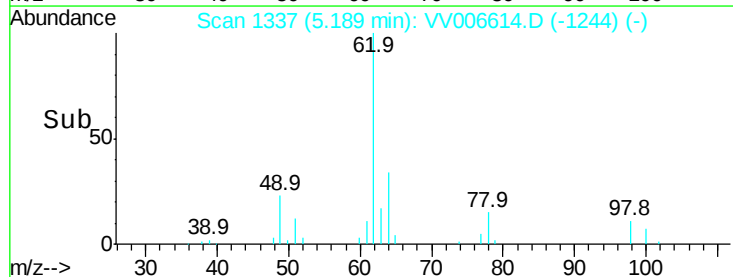
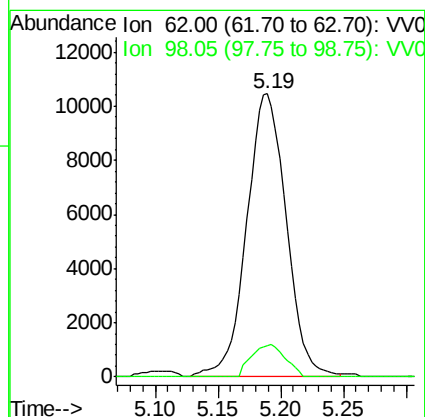
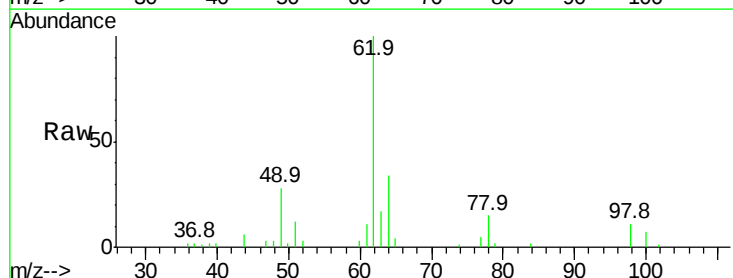
Instrument :
MSVOA_V
ClientSampleId :
VSTD00176

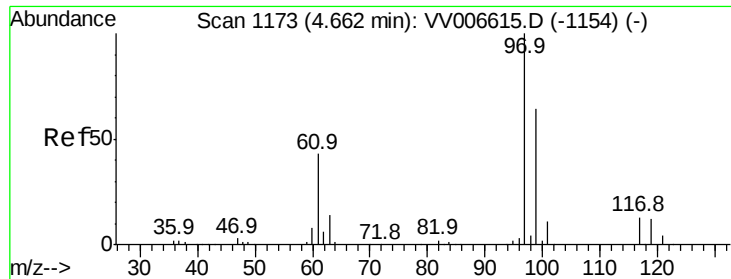
Tgt Ion: 83 Resp: 38846
Ion Ratio Lower Upper
83 100
85 66.4 44.9 83.5



#27
1,2-Dichloroethane
Concen: 1.393 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006614.D
Acq: 17 Jul 2018 12:38

Tgt Ion: 62 Resp: 23037
Ion Ratio Lower Upper
62 100
98 11.0 8.4 12.6

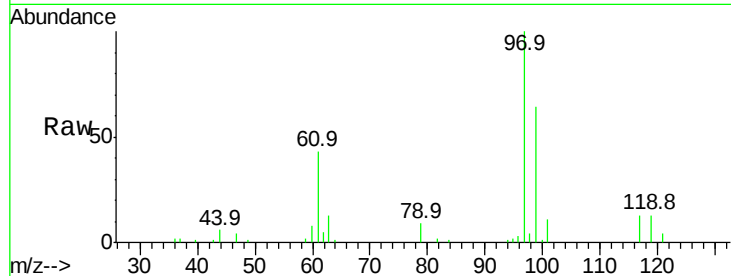




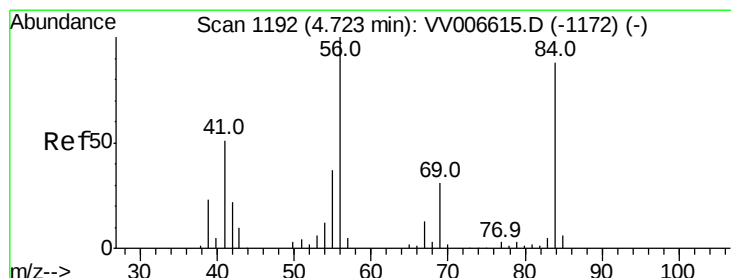
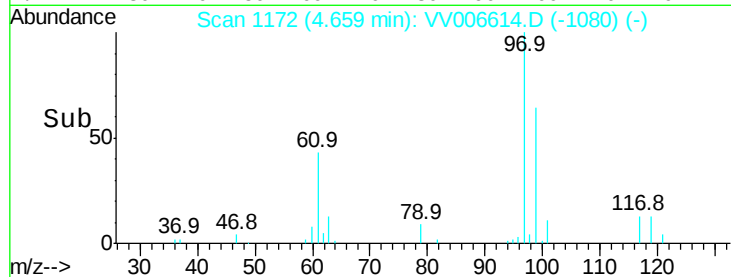
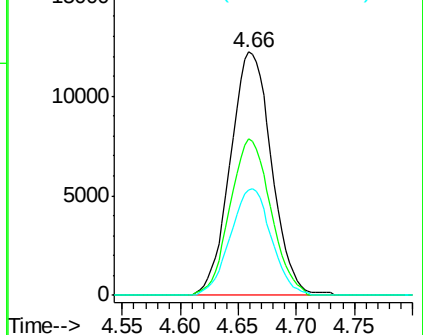
#29
 1,1,1-Trichloroethane
 Concen: 1.271 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

Tgt Ion: 97 Resp: 30166
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.6 77.4
 61 43.4 34.7 52.1

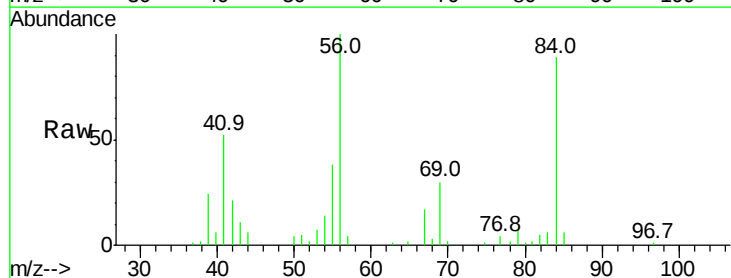


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

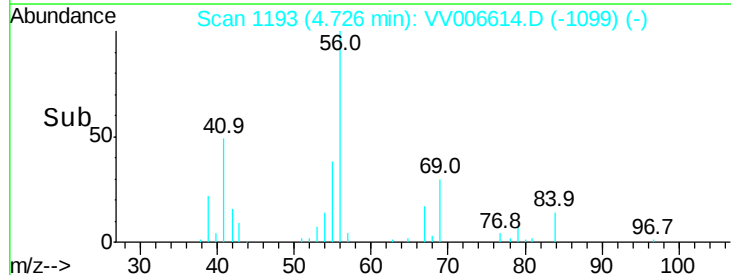
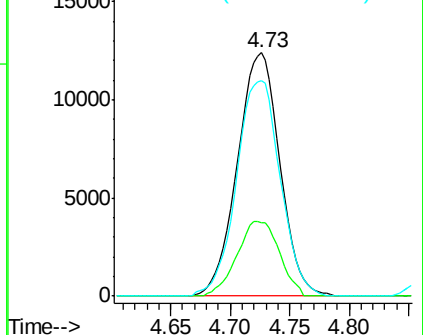


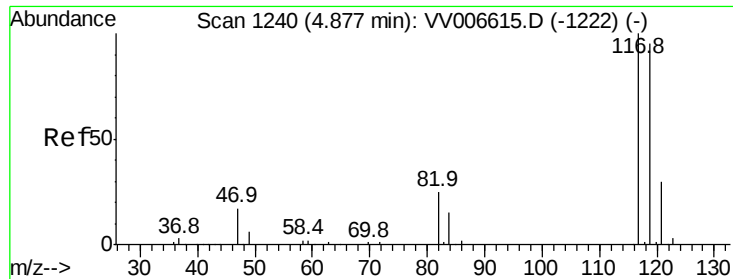
#30
 Cyclohexane
 Concen: 1.216 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

Tgt Ion: 56 Resp: 30719
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.9 37.3
 84 91.2 71.3 106.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 1.240 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

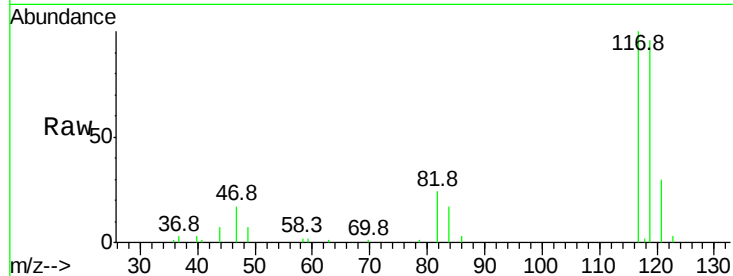
VSTD00176

Tgt Ion:117 Resp: 24619

Ion Ratio Lower Upper

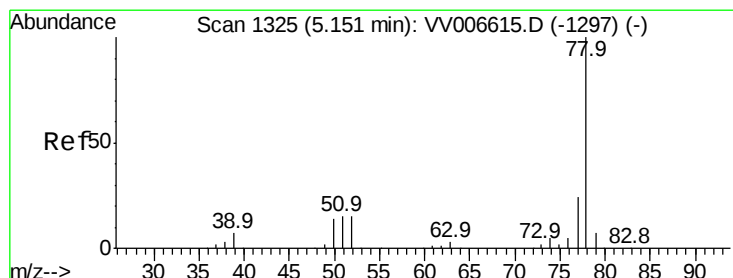
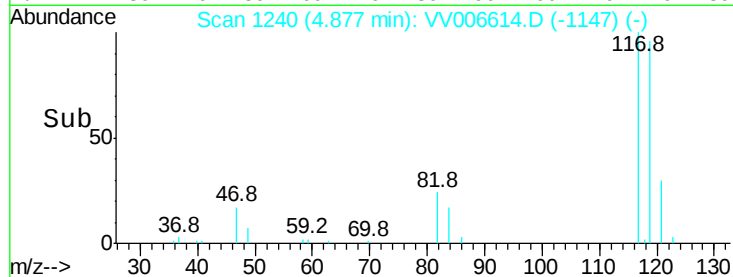
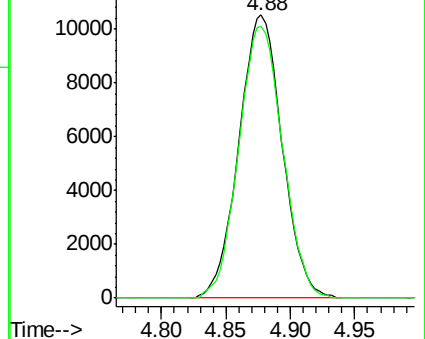
117 100

119 97.1 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.291 ug/L

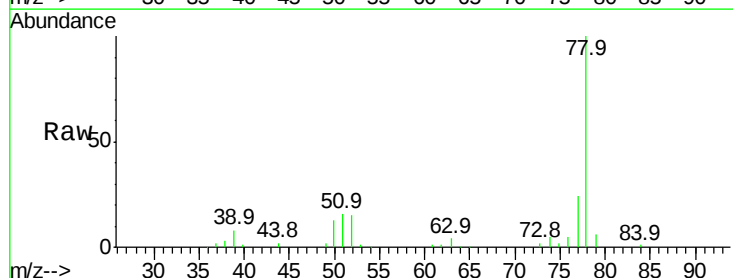
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

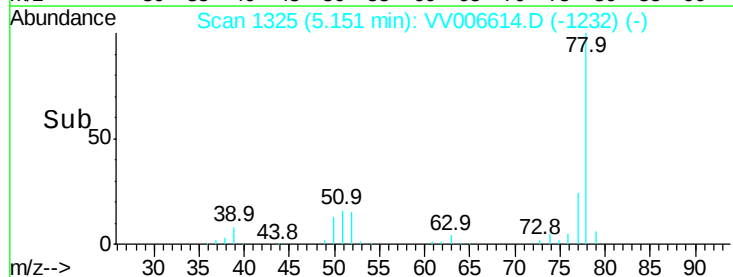
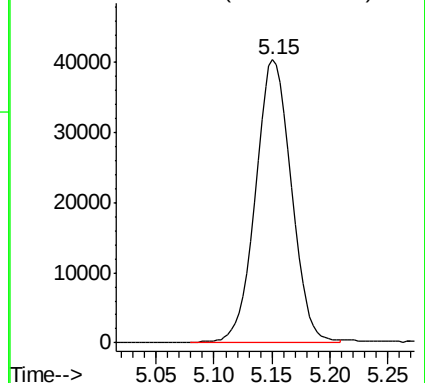
Lab File: VV006614.D

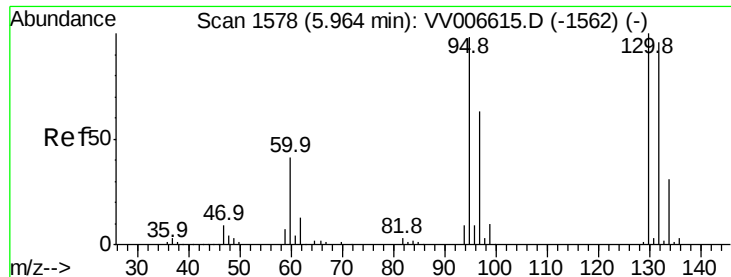
Acq: 17 Jul 2018 12:38

Tgt Ion: 78 Resp: 87262



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.234 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

Tgt Ion: 95 Resp: 21398

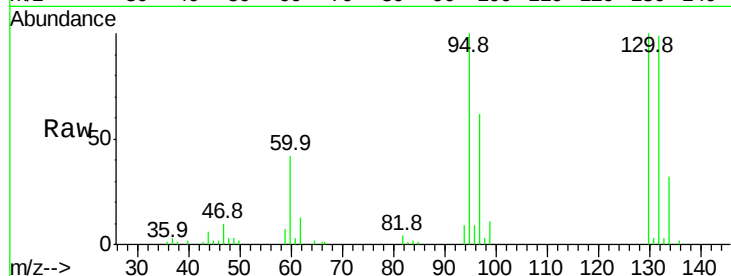
Ion Ratio Lower Upper

95 100

97 62.3 45.1 83.7

132 99.4 69.0 128.2

130 100.3 71.7 133.1

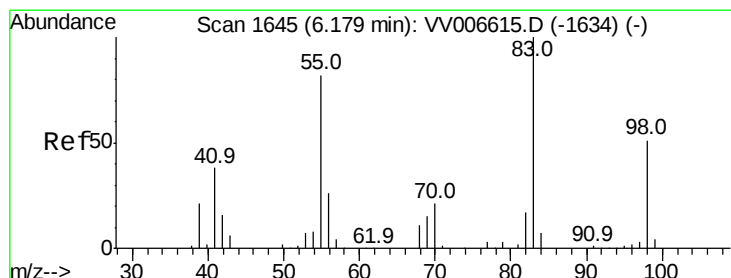
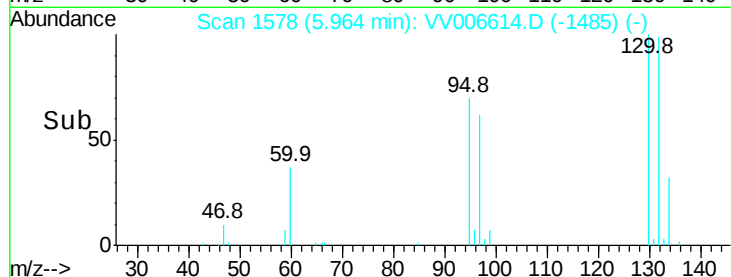
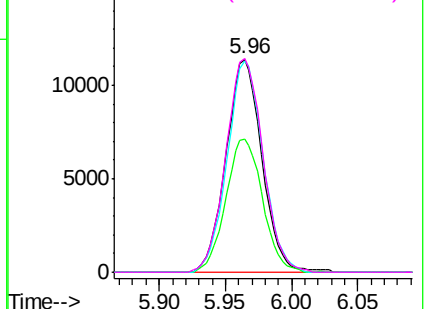


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 1.152 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

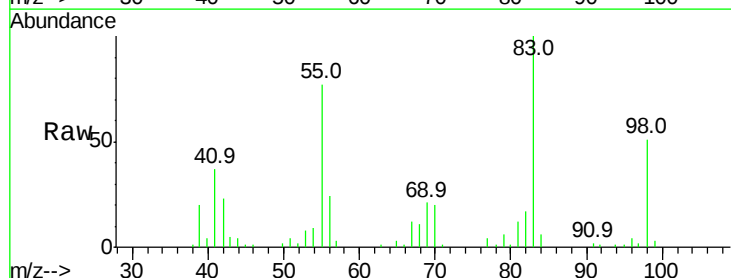
Tgt Ion: 83 Resp: 32181

Ion Ratio Lower Upper

83 100

55 78.6 60.7 91.1

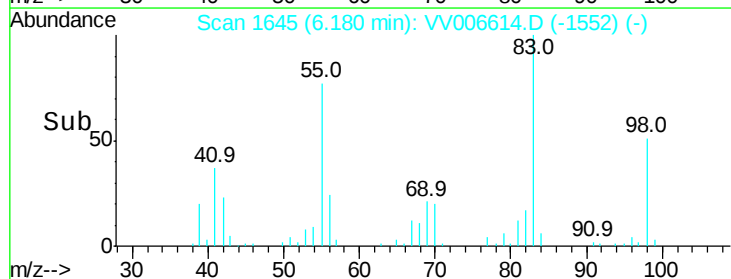
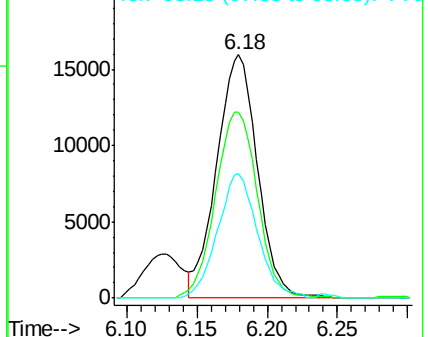
98 50.2 39.1 58.7

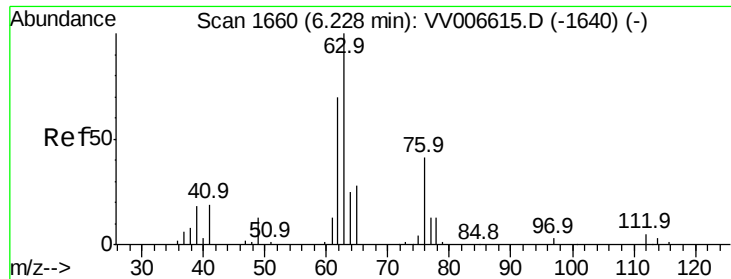


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

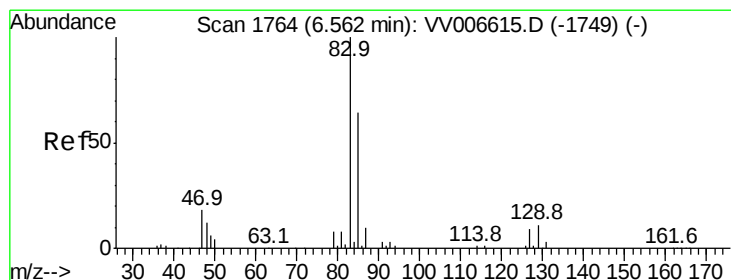
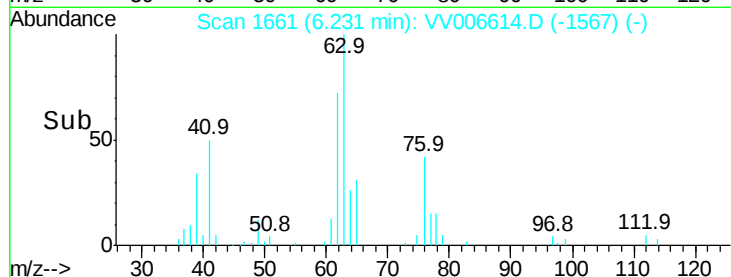
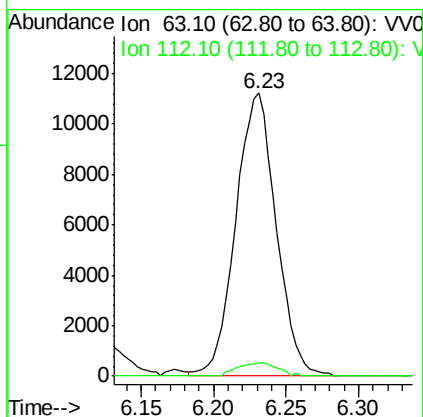
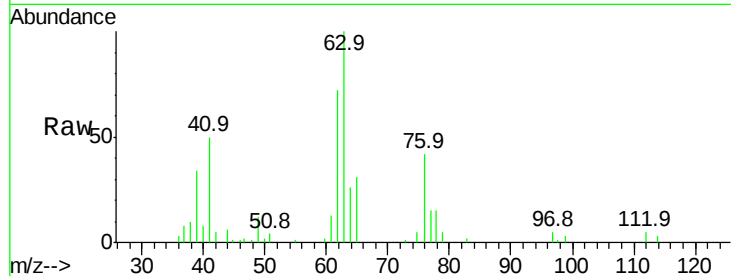




#37
 1,2-Dichloropropane
 Concen: 1.318 ug/L
 RT: 6.23 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

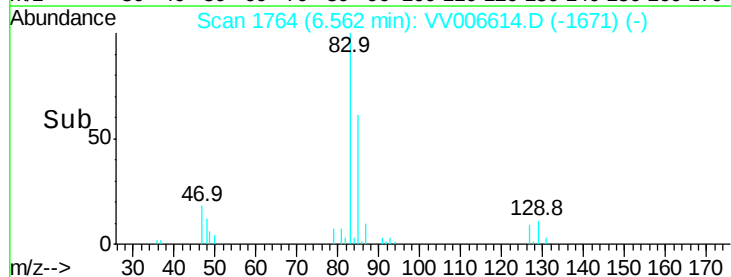
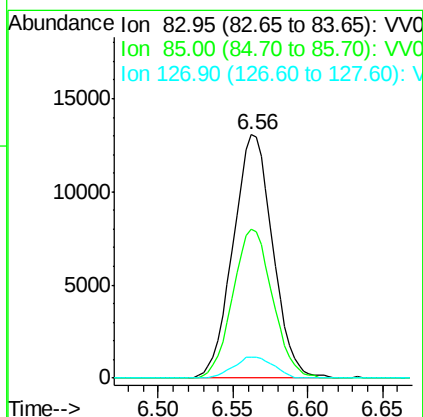
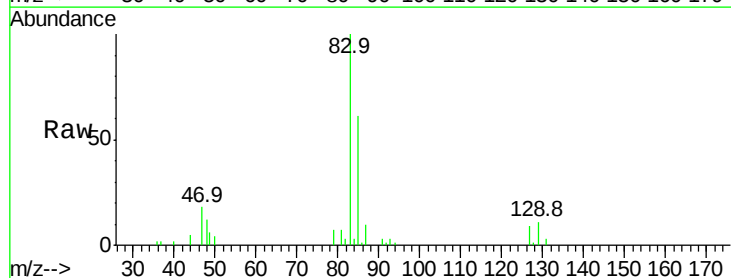
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

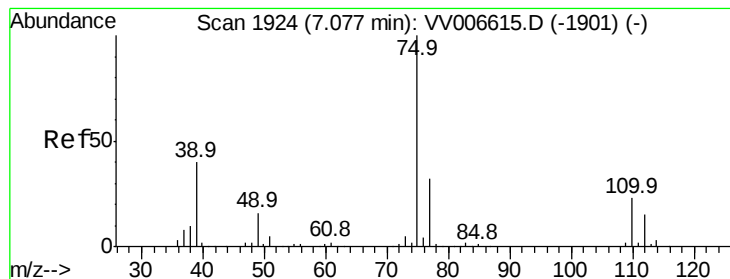
Tgt Ion: 63 Resp: 21795
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#38
 Bromodichloromethane
 Concen: 1.293 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

Tgt Ion: 83 Resp: 24117
 Ion Ratio Lower Upper
 83 100
 85 61.2 44.7 83.1
 127 8.7 6.8 10.2



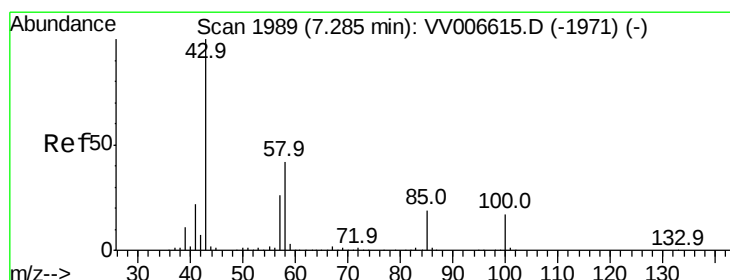
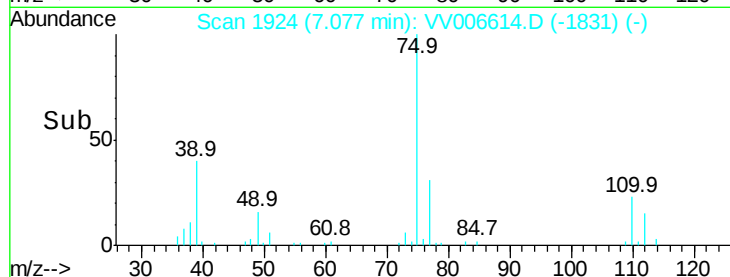
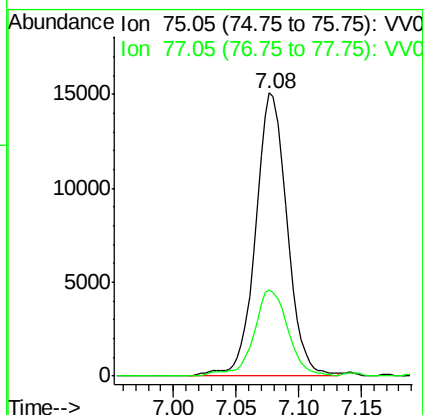
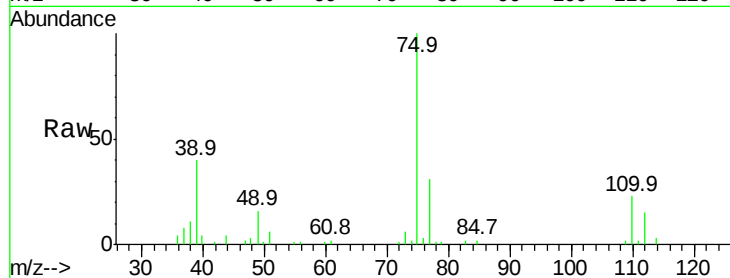


#39

cis-1,3-Dichloropropene
 Concen: 1.194 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

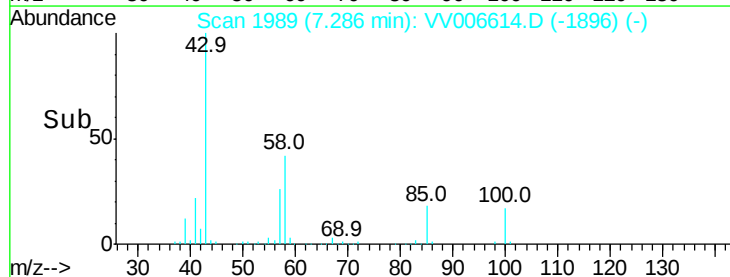
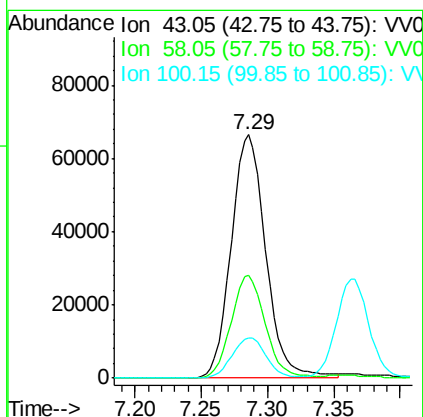
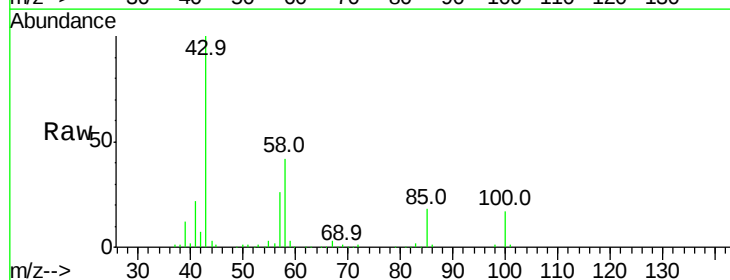
Tgt Ion: 75 Resp: 26513
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.2 41.2

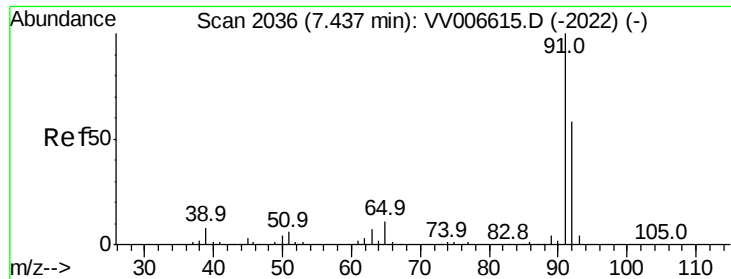


#40

4-Methyl-2-pentanone
 Concen: 14.402 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

Tgt Ion: 43 Resp: 120732
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.2 49.8
 100 16.4 13.5 20.3





#42

Toluene

Concen: 1.238 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

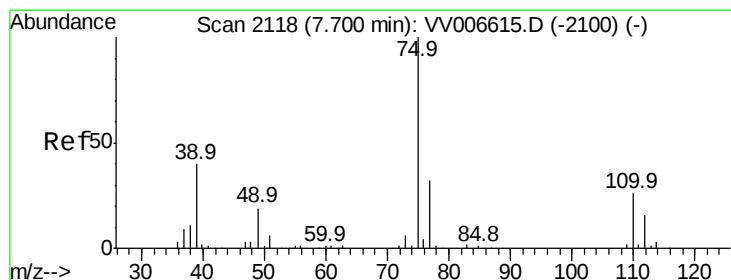
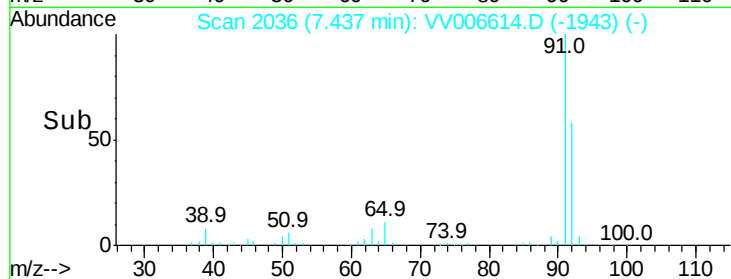
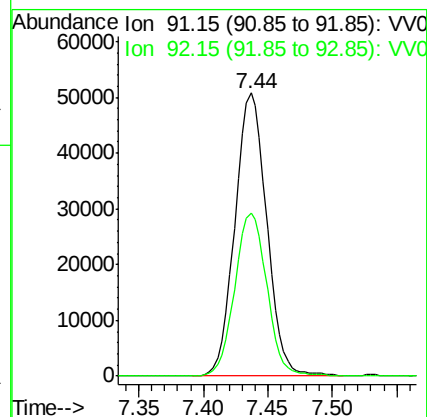
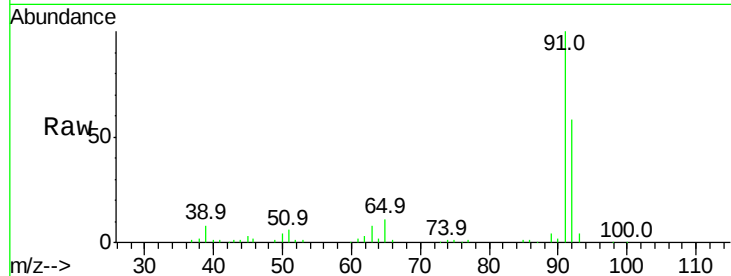
VSTD00176

Tgt Ion: 91 Resp: 87063

Ion Ratio Lower Upper

91 100

92 57.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 1.194 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006614.D

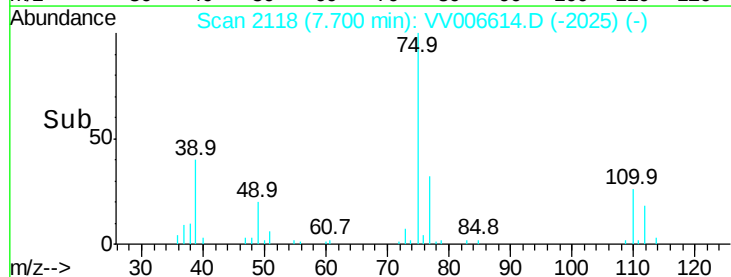
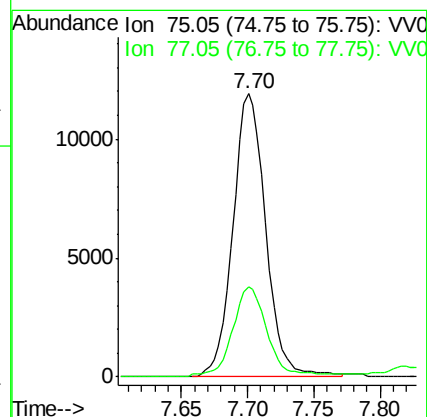
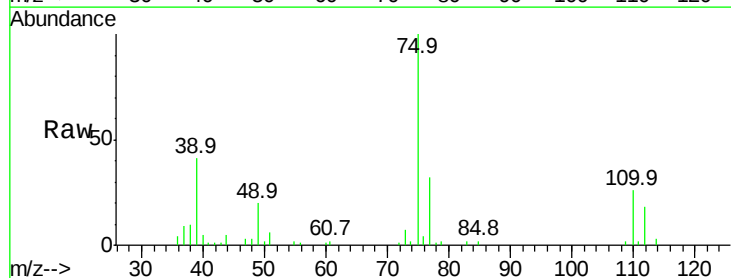
Acq: 17 Jul 2018 12:38

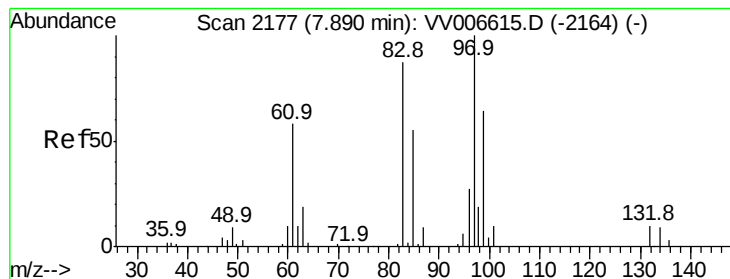
Tgt Ion: 75 Resp: 20455

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 1.374 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

Tgt Ion: 97 Resp: 15899

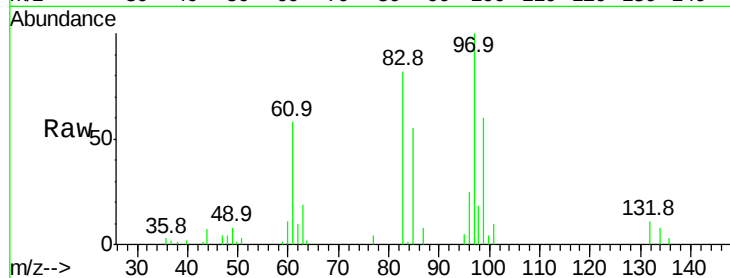
Ion Ratio Lower Upper

97 100

99 59.9 44.9 83.3

83 82.1 61.1 113.5

85 54.7 38.4 71.4



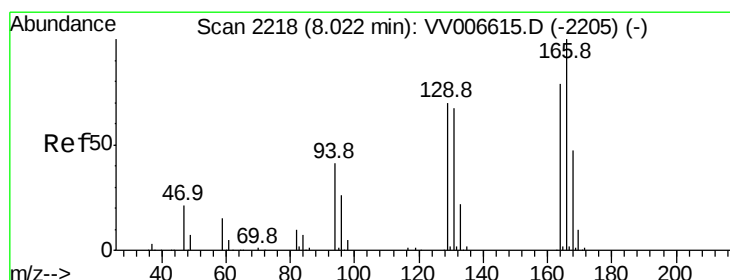
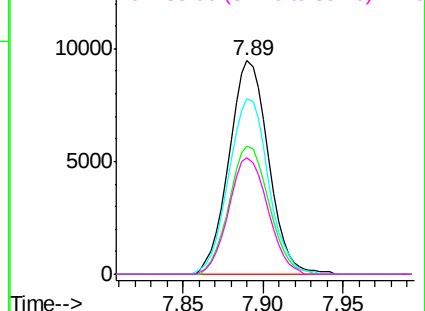
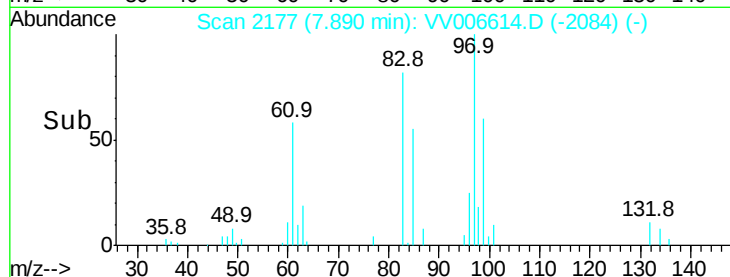
Abundance

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: 1.202 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Tgt Ion: 164 Resp: 17136

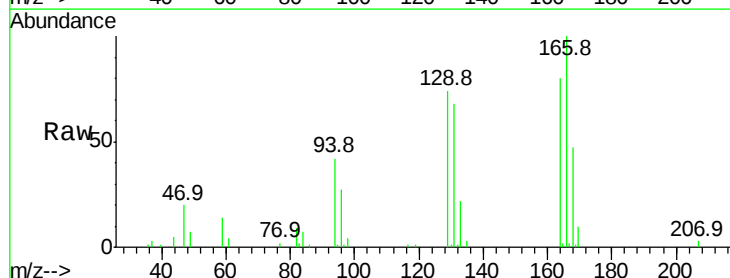
Ion Ratio Lower Upper

164 100

129 92.9 62.7 116.5

131 85.4 60.0 111.4

166 125.4 89.0 165.4



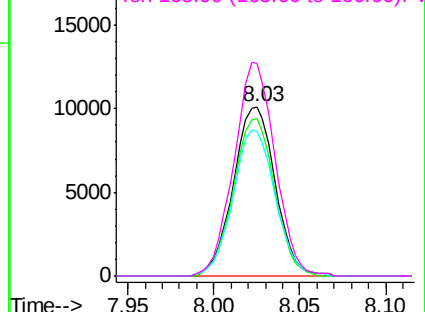
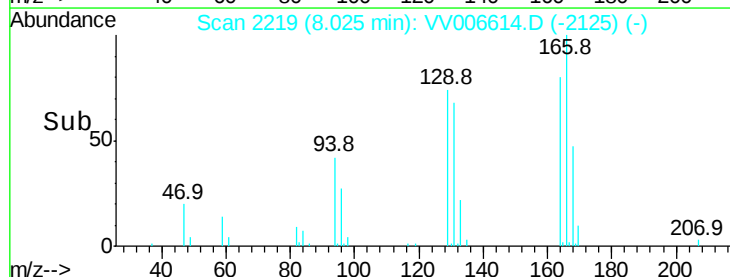
Abundance

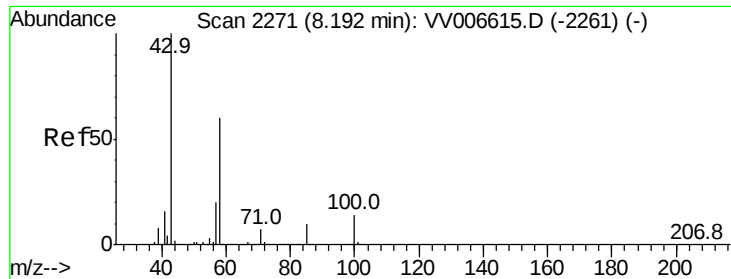
Ion 163.90 (163.60 to 164.60): V

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

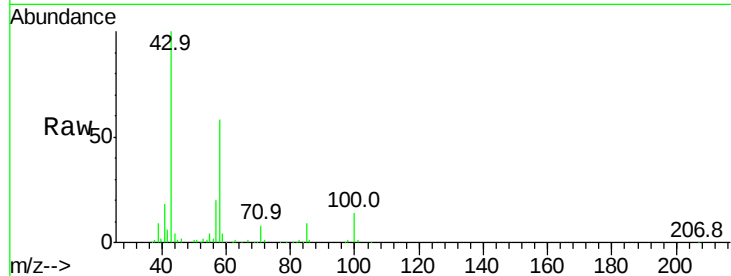




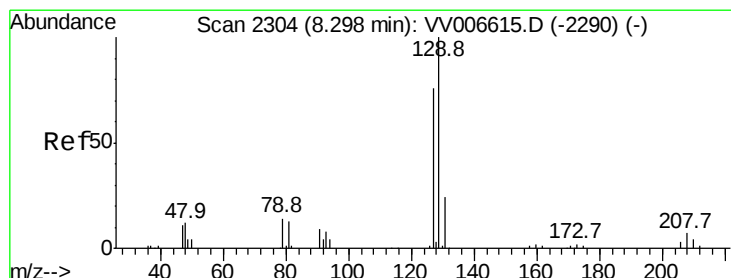
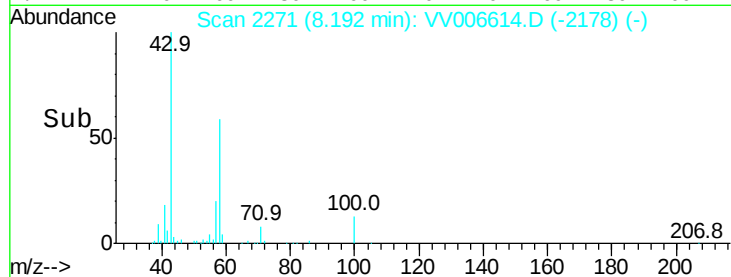
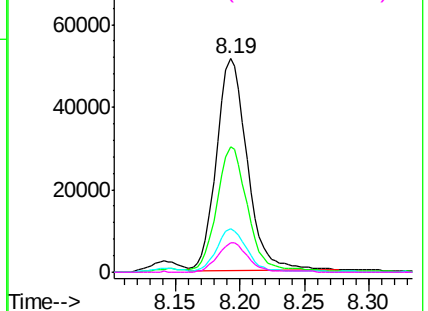
#48
2-Hexanone
Concen: 14.434 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006614.D
Acq: 17 Jul 2018 12:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD00176

Tgt Ion: 43 Resp: 85794
Ion Ratio Lower Upper
43 100
58 58.8 48.2 72.4
57 19.5 16.2 24.4
100 14.1 11.0 16.4

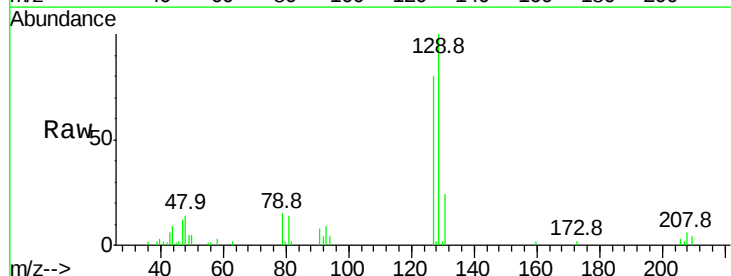


Abundance Ion 43.05 (42.75 to 43.75): VV006614.D (-2178) (-)
Ion 58.05 (57.75 to 58.75): VV006614.D (-2178) (-)
Ion 57.20 (56.90 to 57.90): VV006614.D (-2178) (-)
Ion 100.15 (99.85 to 100.85): VV006614.D (-2178) (-)

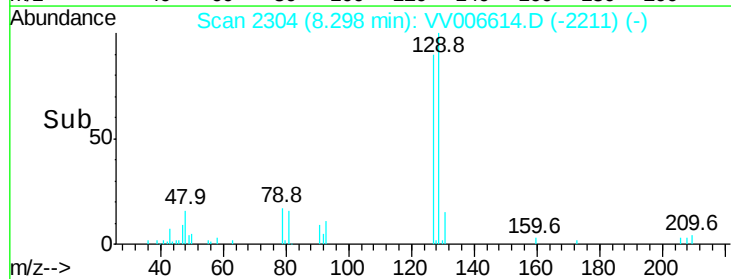
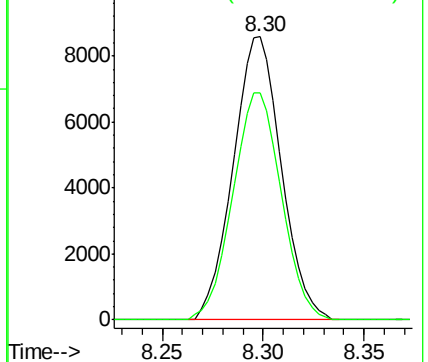


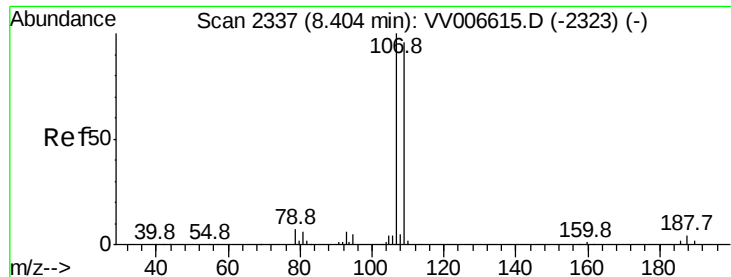
#49
Dibromochloromethane
Concen: 1.189 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006614.D
Acq: 17 Jul 2018 12:38

Tgt Ion: 129 Resp: 14345
Ion Ratio Lower Upper
129 100
127 80.4 53.2 98.8



Abundance Ion 128.95 (128.65 to 129.65): VV006614.D (-2211) (-)
Ion 126.90 (126.60 to 127.60): VV006614.D (-2211) (-)

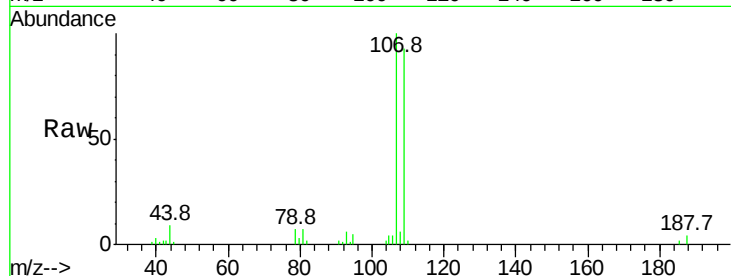




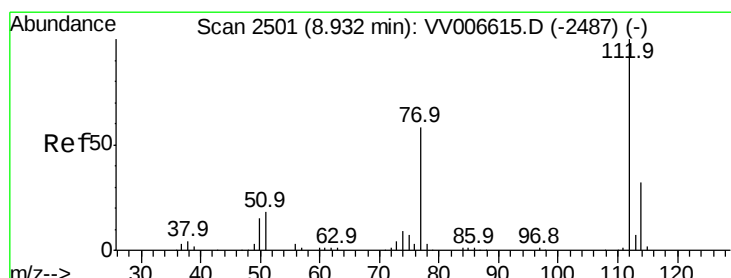
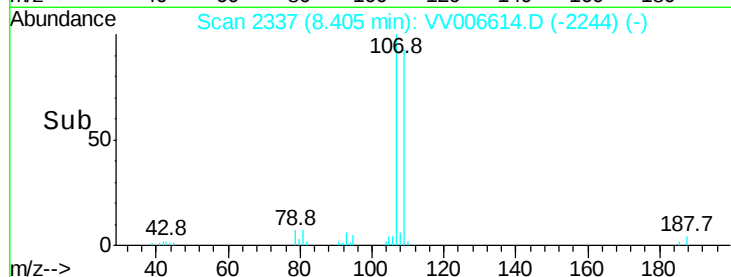
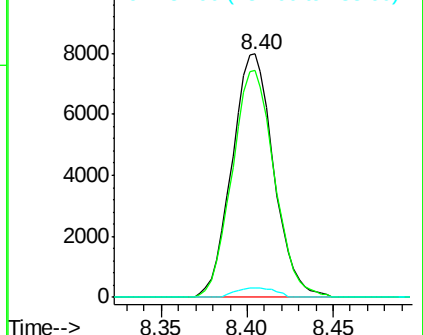
#50
1,2-Dibromoethane
Concen: 1.274 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006614.D
Acq: 17 Jul 2018 12:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD00176

Tgt Ion:107 Resp: 13417
Ion Ratio Lower Upper
107 100
109 93.1 67.1 124.5
188 3.7 3.3 4.9

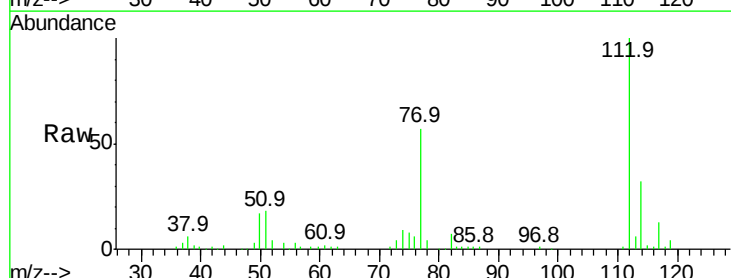


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

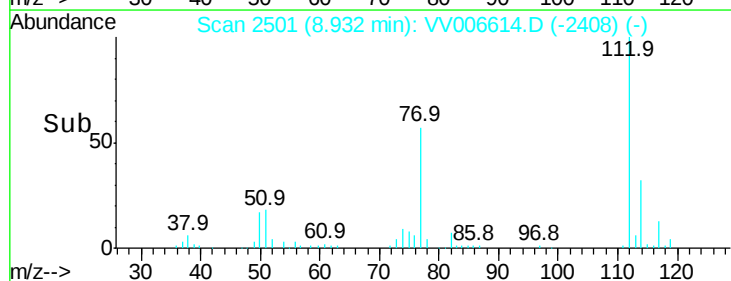
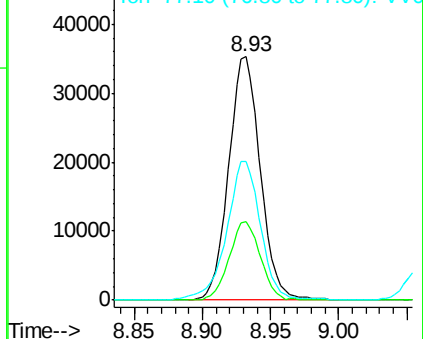


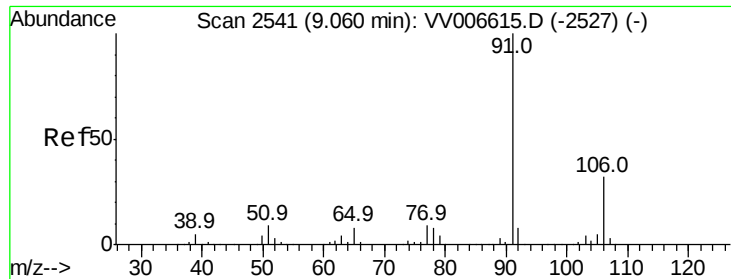
#51
Chlorobenzene
Concen: 1.235 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006614.D
Acq: 17 Jul 2018 12:38

Tgt Ion:112 Resp: 56841
Ion Ratio Lower Upper
112 100
114 32.2 22.6 42.0
77 57.0 46.2 69.4



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: 1.177 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

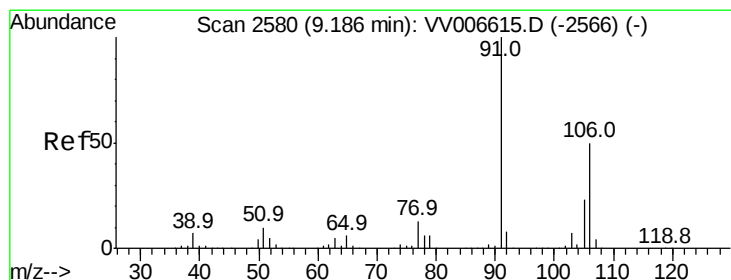
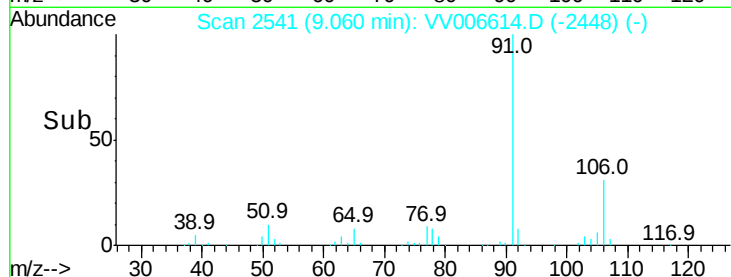
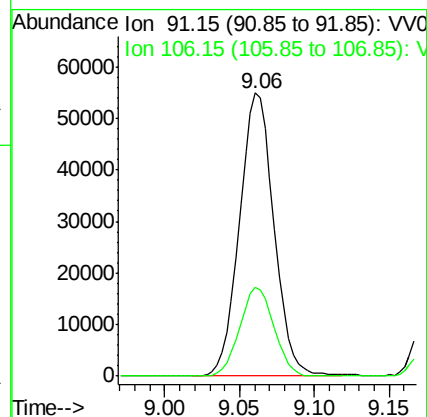
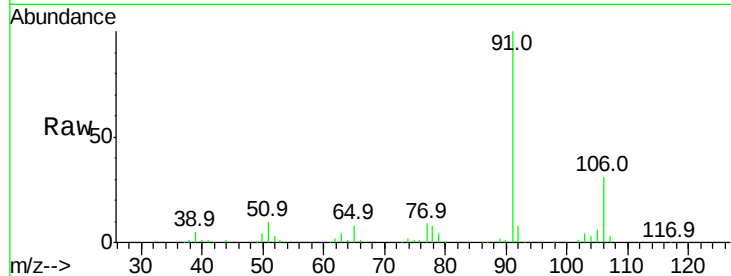
VSTD00176

Tgt Ion: 91 Resp: 87971

Ion Ratio Lower Upper

91 100

106 31.3 22.2 41.2



#53

m,p-xylene

Concen: 1.159 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006614.D

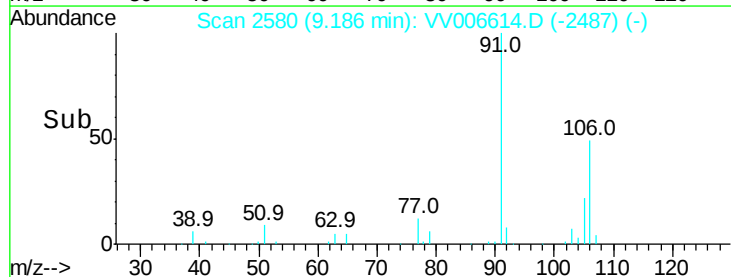
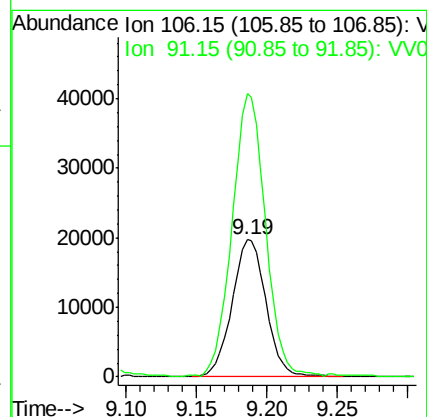
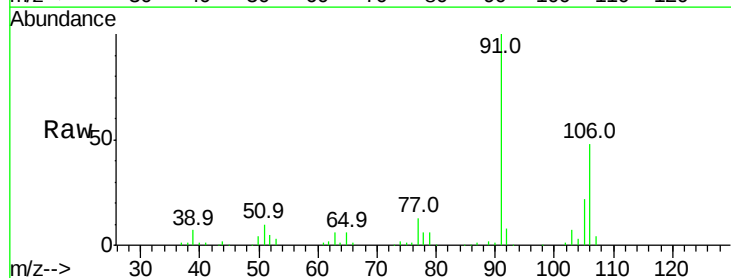
Acq: 17 Jul 2018 12:38

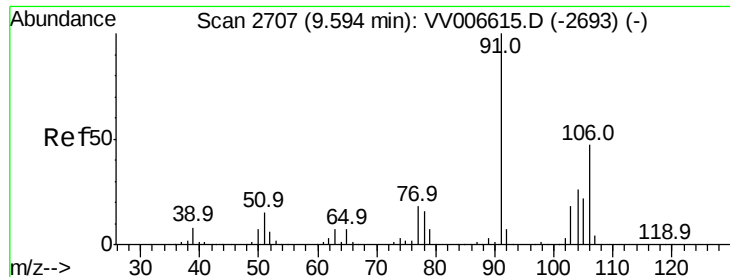
Tgt Ion: 106 Resp: 33355

Ion Ratio Lower Upper

106 100

91 206.3 140.3 260.5





#54

o-xylene

Concen: 1.136 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

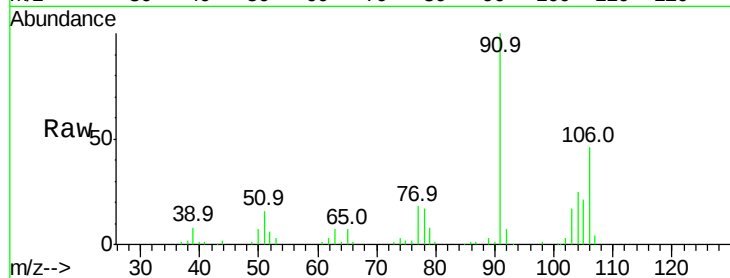
VSTD00176

Tgt Ion:106 Resp: 32003

Ion Ratio Lower Upper

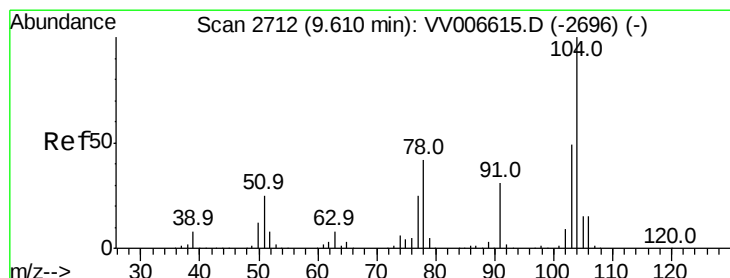
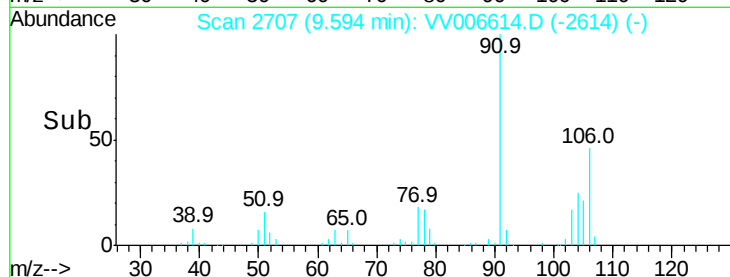
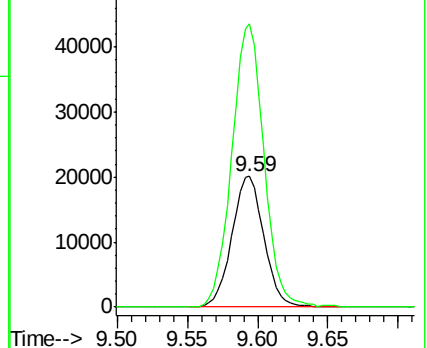
106 100

91 216.1 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 1.151 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006614.D

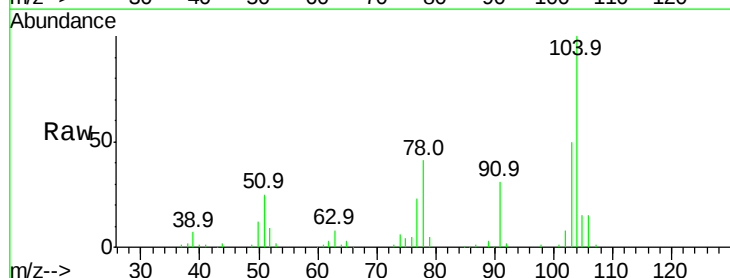
Acq: 17 Jul 2018 12:38

Tgt Ion:104 Resp: 54549

Ion Ratio Lower Upper

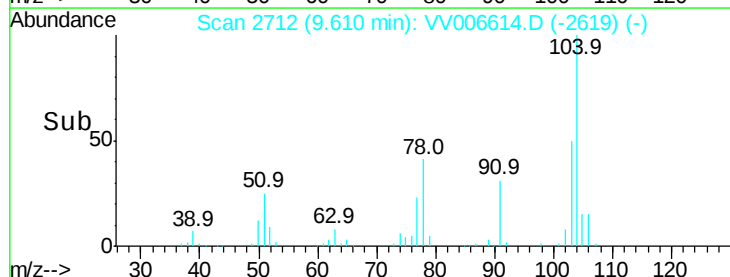
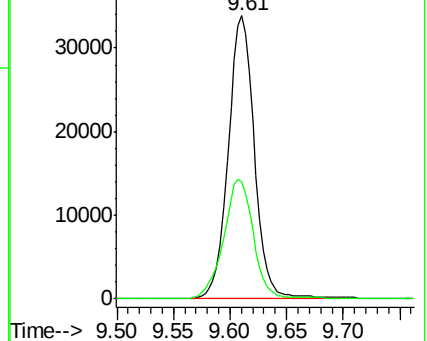
104 100

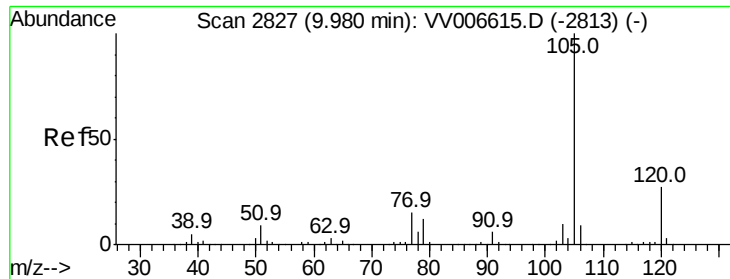
78 41.2 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 1.151 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

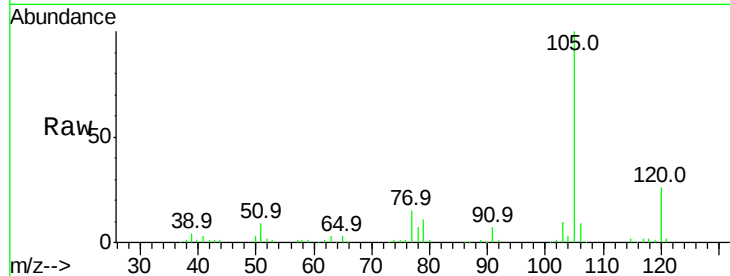
Tgt Ion: 105 Resp: 83210

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

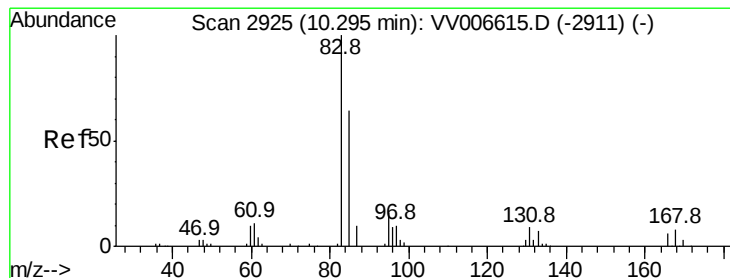
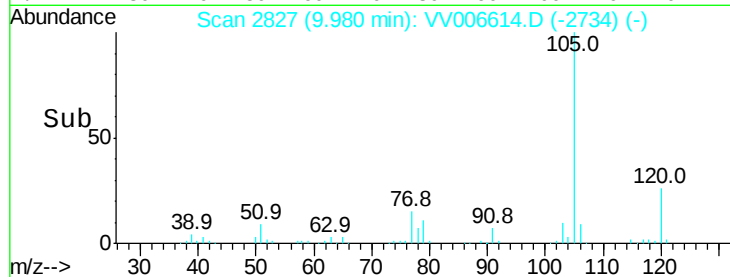
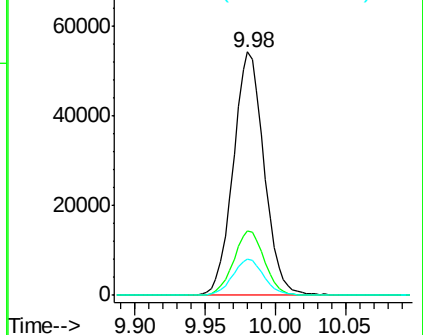
77 15.2 12.0 18.0



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: 1.409 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

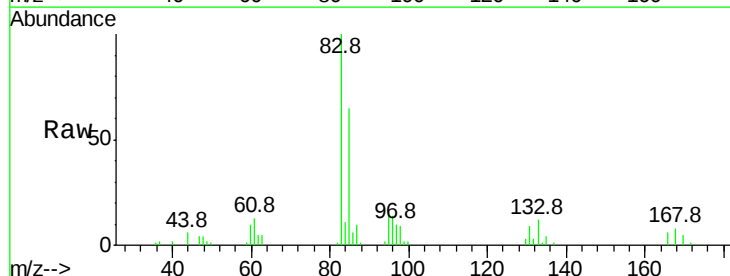
Tgt Ion: 83 Resp: 19238

Ion Ratio Lower Upper

83 100

85 65.2 45.3 84.1

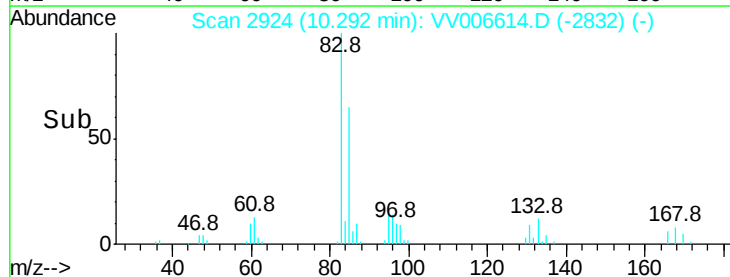
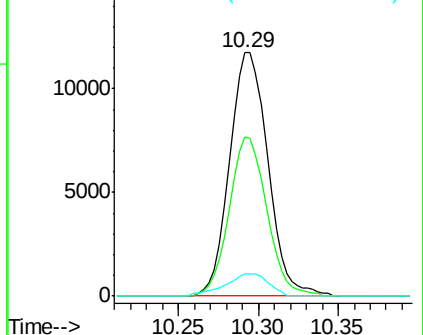
131 9.0 7.7 11.5

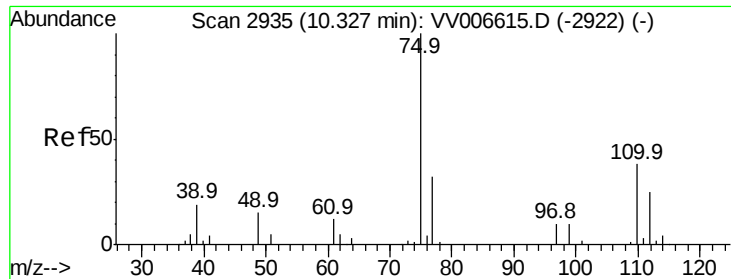


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

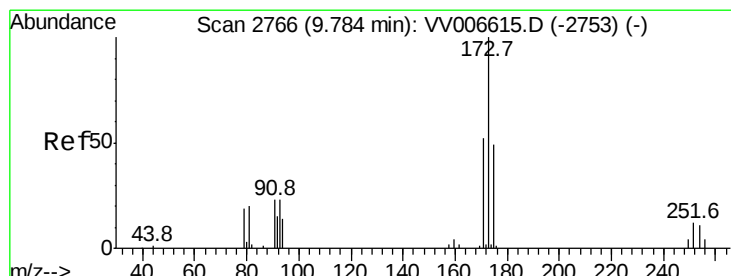
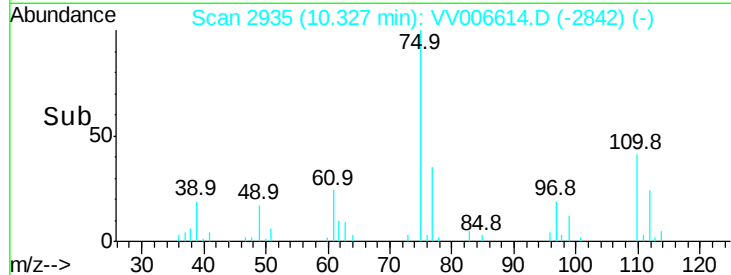
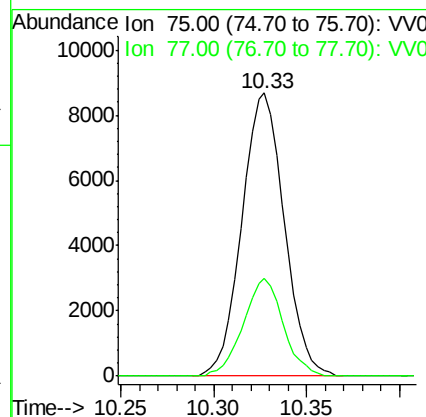
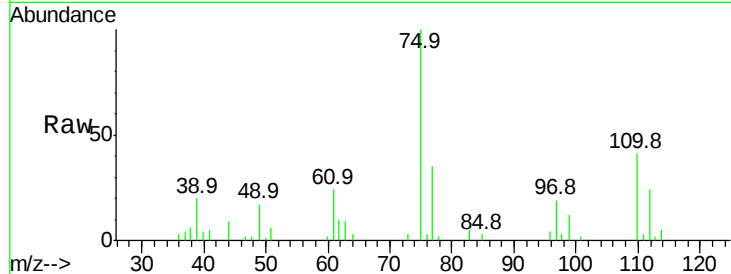




#59
 1,2,3-Trichloropropane
 Concen: 1.401 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. 0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

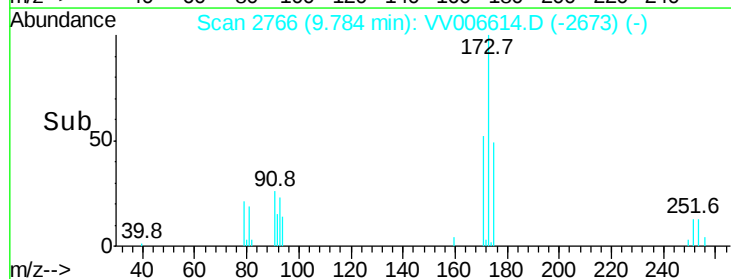
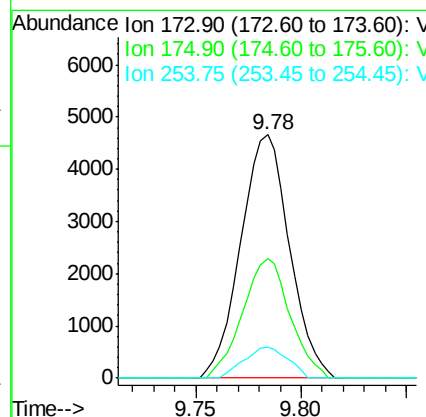
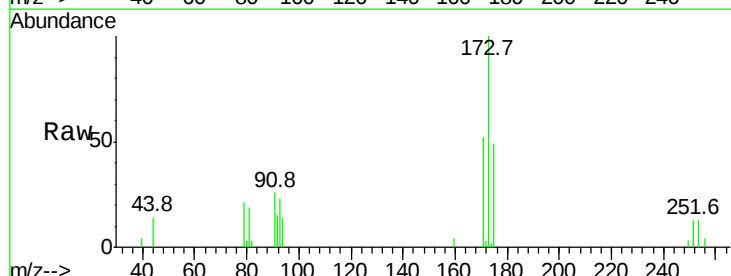
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

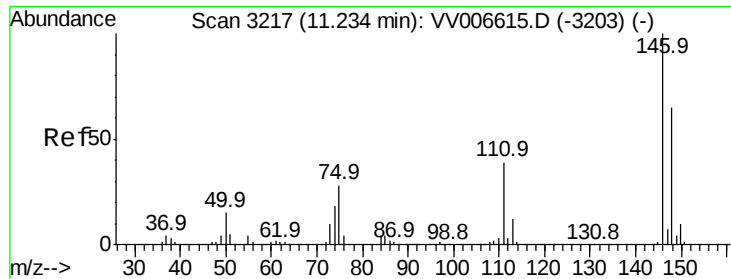
Tgt Ion: 75 Resp: 13789
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.9 38.9



#61
 Bromoform
 Concen: 1.270 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

Tgt Ion: 173 Resp: 7488
 Ion Ratio Lower Upper
 173 100
 175 47.7 39.0 58.6
 254 11.5 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 1.218 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

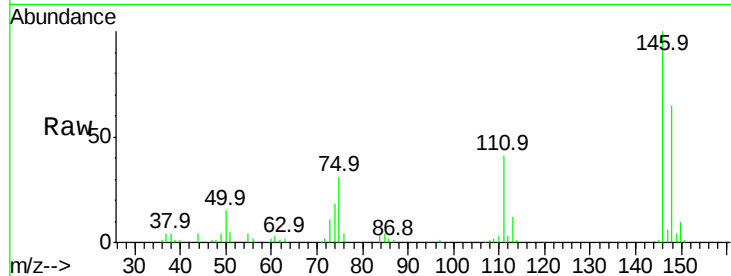
Tgt Ion:146 Resp: 39539

Ion Ratio Lower Upper

146 100

111 41.3 27.4 51.0

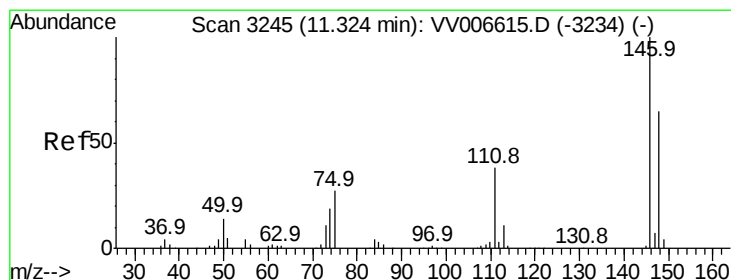
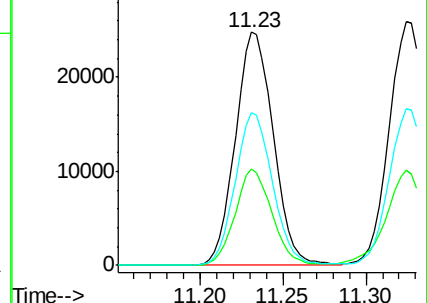
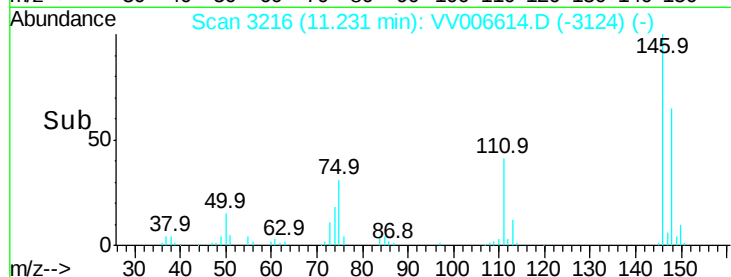
148 65.4 45.2 84.0



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: 1.237 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

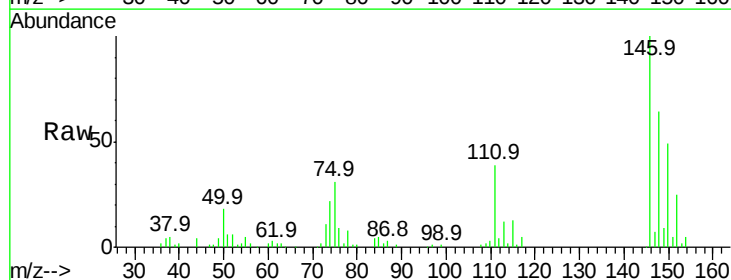
Tgt Ion:146 Resp: 40798

Ion Ratio Lower Upper

146 100

111 39.2 27.1 50.3

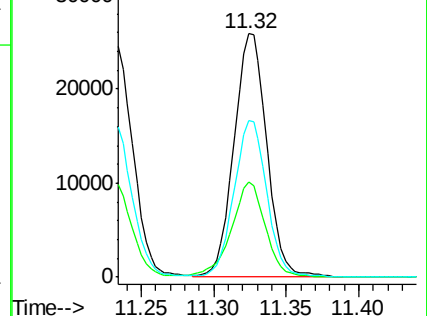
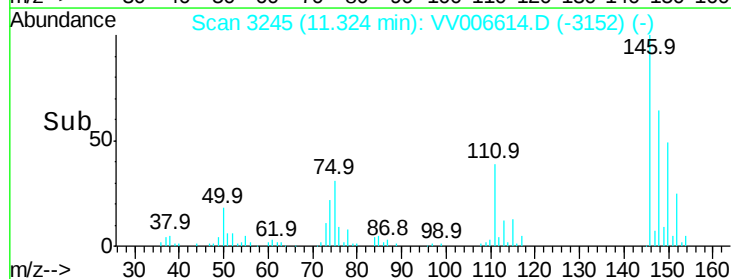
148 64.2 45.7 84.9

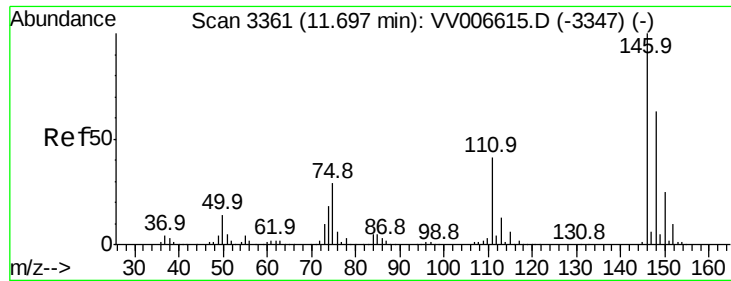


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.267 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

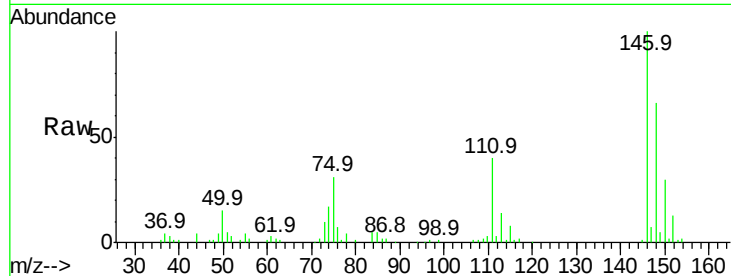
Tgt Ion:146 Resp: 39716

Ion Ratio Lower Upper

146 100

111 40.5 32.6 48.8

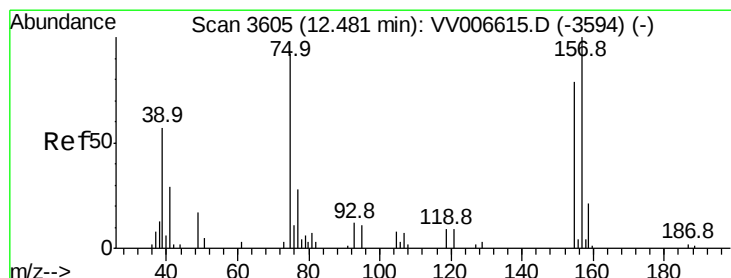
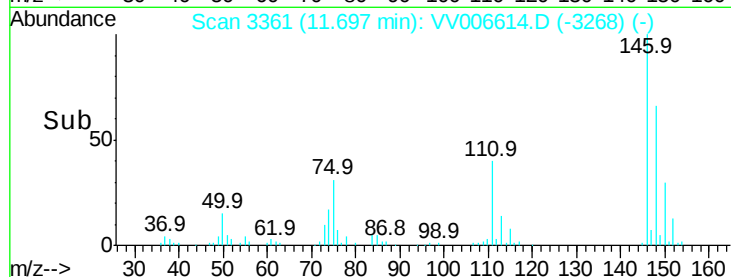
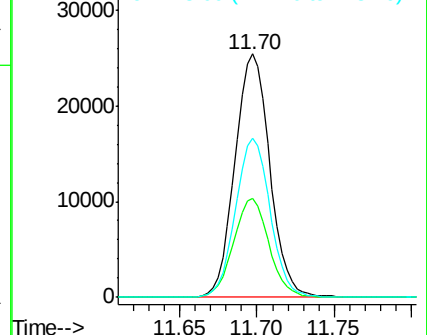
148 65.5 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.424 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

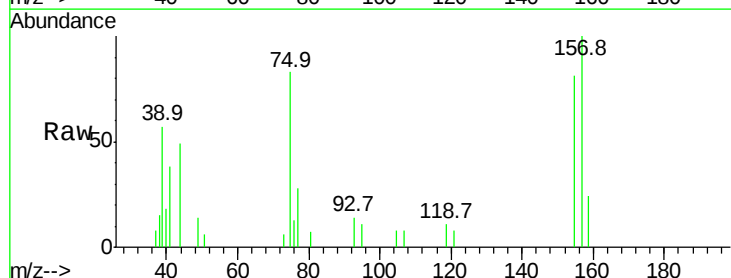
Tgt Ion: 75 Resp: 2386

Ion Ratio Lower Upper

75 100

155 97.5 68.9 103.3

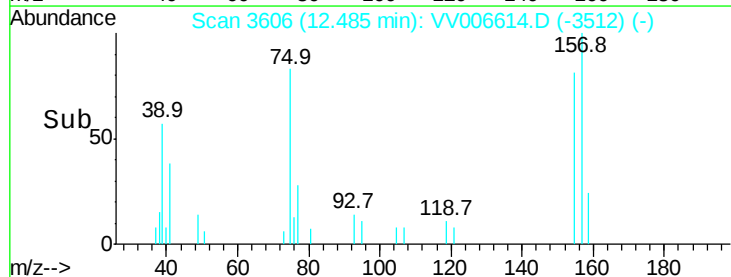
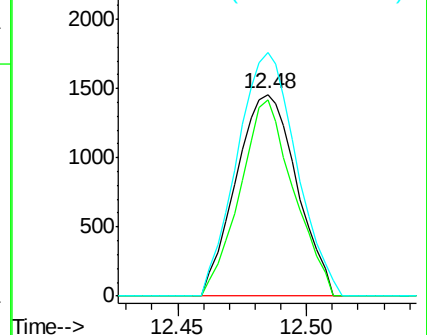
157 120.9 87.0 130.6

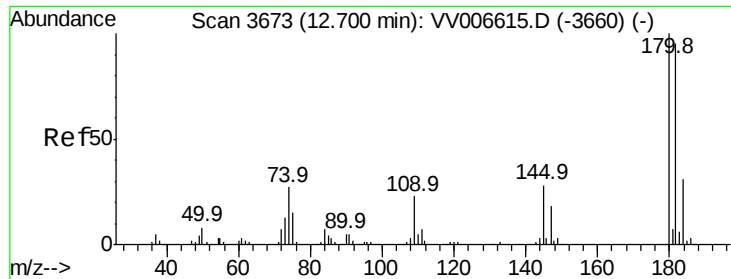


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

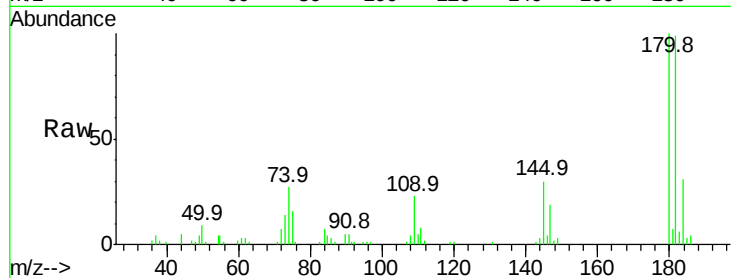




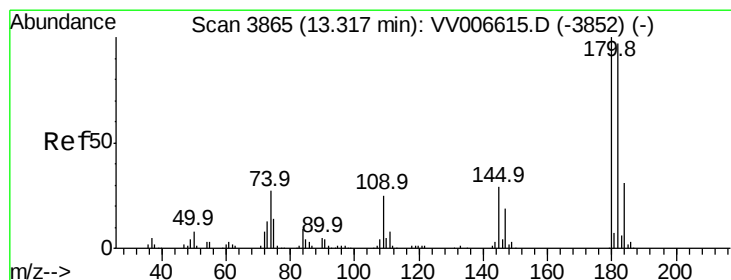
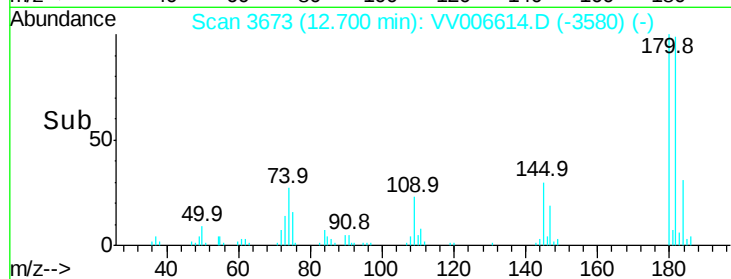
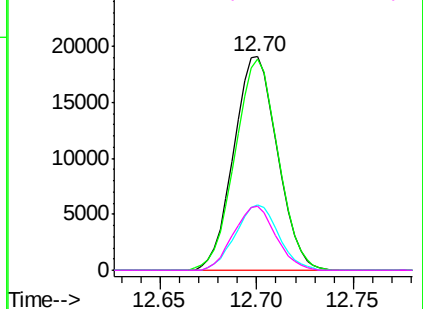
#67
 1,3,5-Trichlorobenzene
 Concen: 1.170 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00176

Tgt Ion:180 Resp: 30067
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.2 114.2
 184 29.9 24.3 36.5
 145 28.8 23.0 34.4

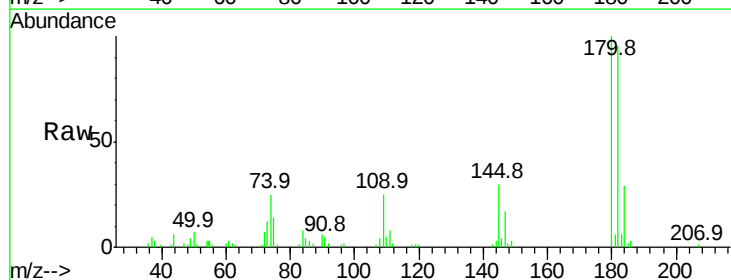


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

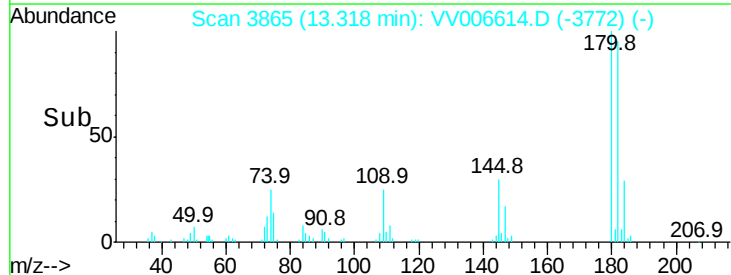
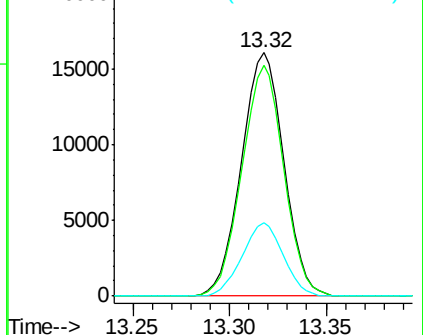


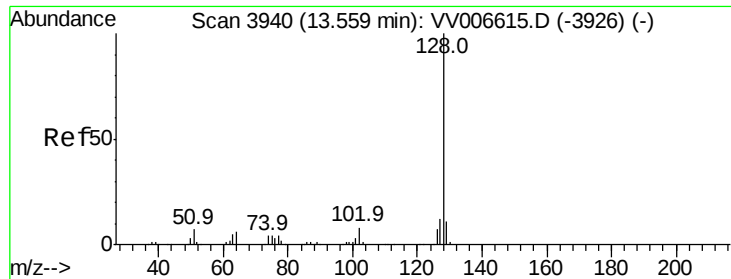
#68
 1,2,4-trichlorobenzene
 Concen: 1.201 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006614.D
 Acq: 17 Jul 2018 12:38

Tgt Ion:180 Resp: 24572
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.6 114.8
 145 29.1 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: 1.211 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD00176

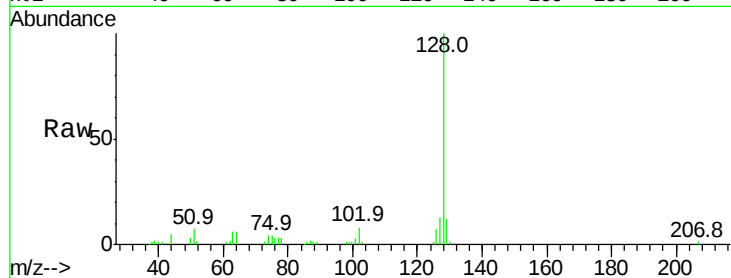
Tgt Ion:128 Resp: 42064

Ion Ratio Lower Upper

128 100

129 11.6 8.6 12.8

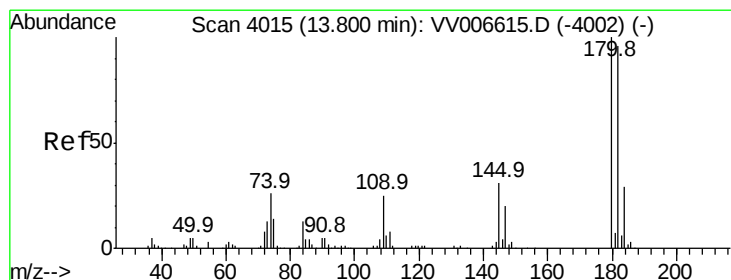
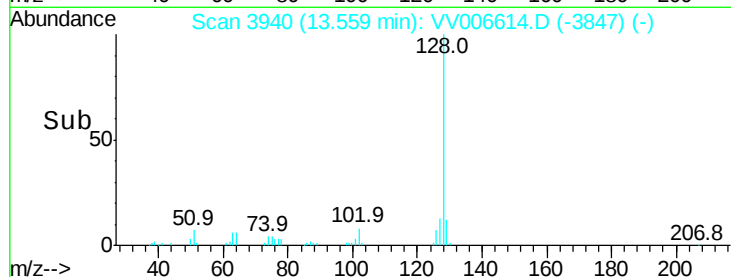
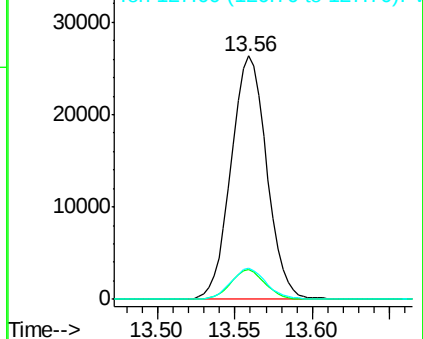
127 12.5 10.1 15.1



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: 1.210 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006614.D

Acq: 17 Jul 2018 12:38

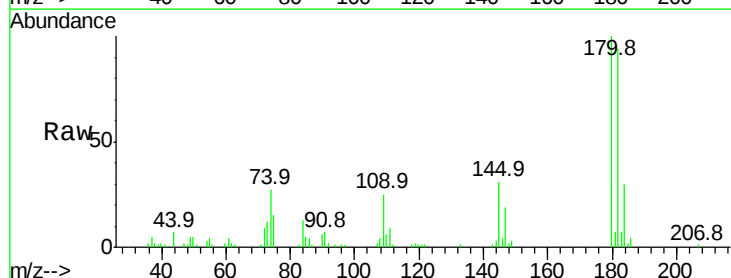
Tgt Ion:180 Resp: 23211

Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.2

145 31.4 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

