

Data File : VW004227.D
Acq On : 26 Jul 2018 13:14
Operator : SY/AP
Sample : VSTD05088
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05088

Quant Time: Jul 26 13:47:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
Quant Title : VOC Analysis
QLast Update : Thu Jul 26 13:44:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	386063	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	360326	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	187330	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	188961	49.48	ug/L	0.00
7) Chloroethane-d5	2.89	69	142276	51.69	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	463834	50.63	ug/L	0.00
20) 2-Butanone-d5	7.08	46	242010	108.07	ug/L	0.00
24) Chloroform-d	7.65	84	484701	52.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	300420	54.43	ug/L	0.00
29) Benzene-d6	8.28	84	951128	56.91	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	307272	55.12	ug/L	0.00
37) Toluene-d8	10.33	98	928513	61.82	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	151254	61.75	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	198480	132.27	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	327631	53.65	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	339963	56.44	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	145506	58.865	ug/L	99
3) Chloromethane	2.21	50	181815	46.010	ug/L	98
5) Vinyl chloride	2.36	62	242134	40.692	ug/L	96
6) Bromomethane	2.77	94	139441	44.143	ug/L	99
8) Chloroethane	2.92	64	135240	43.355	ug/L	99
9) Trichlorofluoromethane	3.25	101	115882	39.088	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	237217	44.996	ug/L	98
12) 1,1-Dichloroethene	4.03	96	230848	44.921	ug/L	92
13) Acetone	4.12	43	229423	94.237	ug/L	99
14) Carbon disulfide	4.37	76	735578	44.244	ug/L	99
15) Methyl Acetate	4.67	43	198532	47.802	ug/L	100
16) Methylene chloride	4.91	84	246953	33.343	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	503175	50.627	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	245548	46.410	ug/L	99
19) 1,1-Dichloroethane	6.21	63	467128	46.408	ug/L	99
21) 2-Butanone	7.18	43	297944	98.634	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	273320	48.332	ug/L	99
23) Bromochloromethane	7.51	128	125341	47.139	ug/L	99
25) Chloroform	7.68	83	476431	46.351	ug/L	100
27) 1,2-Dichloroethane	8.40	62	358836	47.367	ug/L	100
30) Cyclohexane	7.95	56	444603	50.592	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	370212	45.176	ug/L	100
32) Carbon tetrachloride	8.07	117	364245	46.070	ug/L	100
34) Benzene	8.32	78	1055784	47.801	ug/L	100
35) Trichloroethene	9.09	95	270177	45.718	ug/L	100
36) Methylcyclohexane	9.34	83	484809	49.635	ug/L	99
40) 1,2-Dichloropropane	9.37	63	283554	47.357	ug/L	100
41) Bromodichloromethane	9.65	83	356742	48.391	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	441237	52.298	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	573093	108.875	ug/L	100

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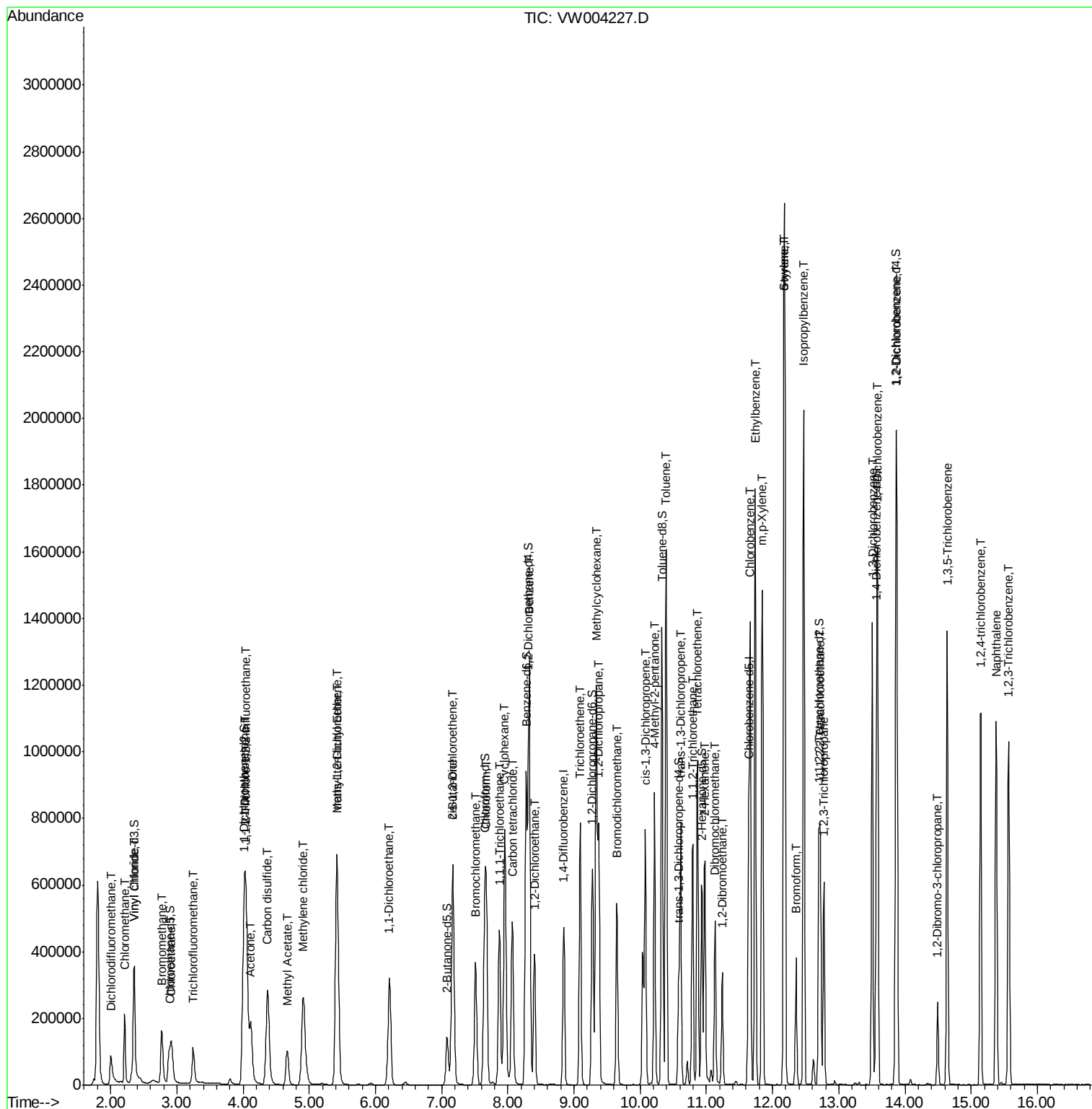
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1129963	48.822	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	406314	52.212	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	220947	47.480	ug/L	99
47) Tetrachloroethene	10.87	164	215415	45.197	ug/L	97
49) 2-Hexanone	10.98	43	444865	109.166	ug/L	99
50) Dibromochloromethane	11.13	129	259051	49.693	ug/L	99
51) 1,2-Dibromoethane	11.24	107	221485	48.732	ug/L	94
52) Chlorobenzene	11.66	112	699252	47.121	ug/L	98
53) Ethylbenzene	11.74	91	1247017	49.775	ug/L	99
54) m,p-Xylene	11.84	106	467127	50.590	ug/L	93
55) o-xylene	12.17	106	448787	50.814	ug/L	100
56) Styrene	12.18	104	797773	52.288	ug/L	99
57) Isopropylbenzene	12.47	105	1218866	50.335	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	322544	48.492	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	245350	47.651	ug/L	98
62) Bromoform	12.35	173	172735	48.860	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	546942	47.404	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	574398	46.430	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	524206	46.622	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	62104	47.377	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	419193	45.946	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	354581	48.462	ug/L	99
69) Naphthalene	15.38	128	901368	54.716	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	344509	49.489	ug/L	98

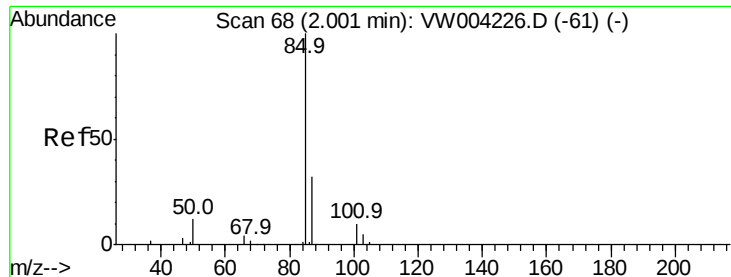
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 58.865 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampled :

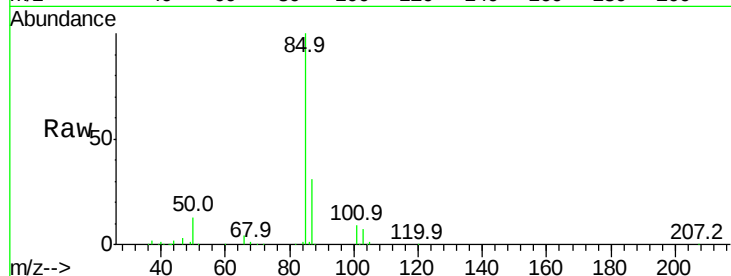
VSTD05088

Tgt Ion: 85 Resp: 145506

Ion Ratio Lower Upper

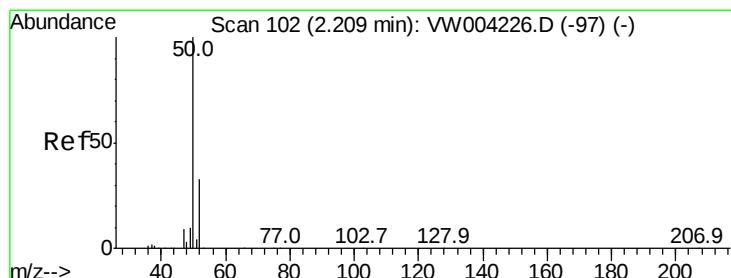
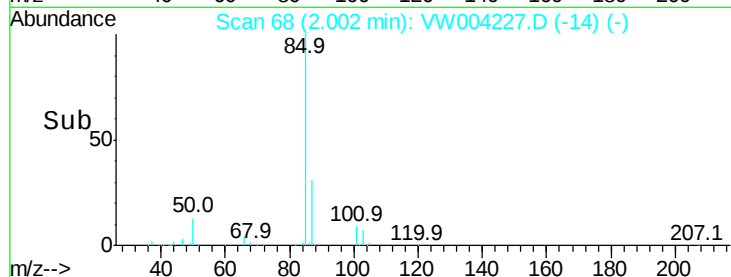
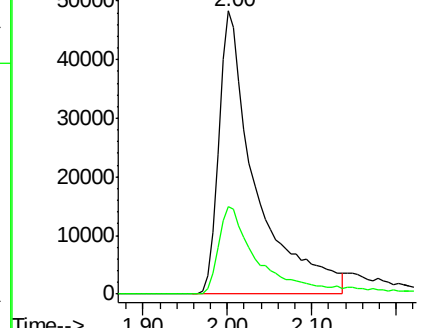
85 100

87 32.1 22.7 42.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 46.010 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004227.D

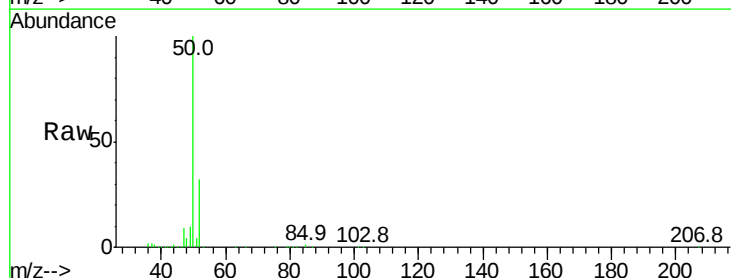
Acq: 26 Jul 2018 13:14

Tgt Ion: 50 Resp: 181815

Ion Ratio Lower Upper

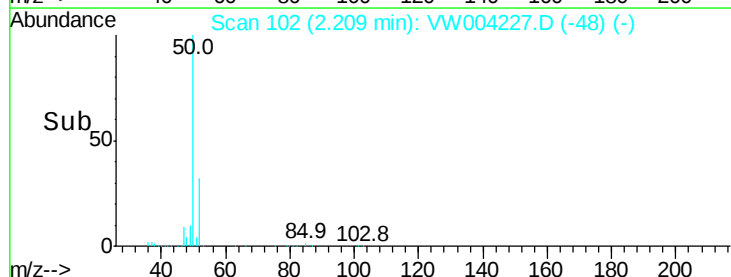
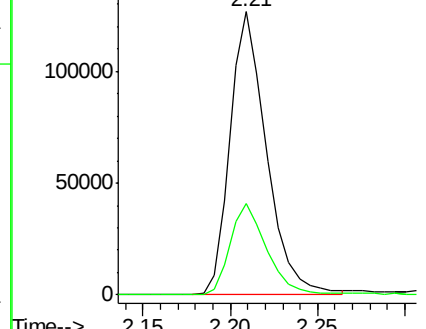
50 100

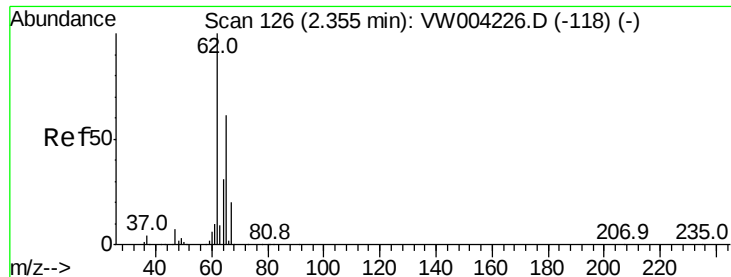
52 32.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 40.692 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

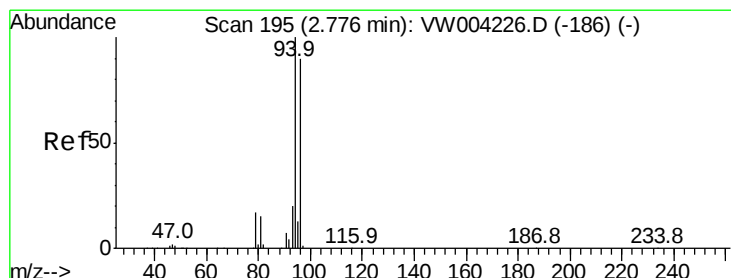
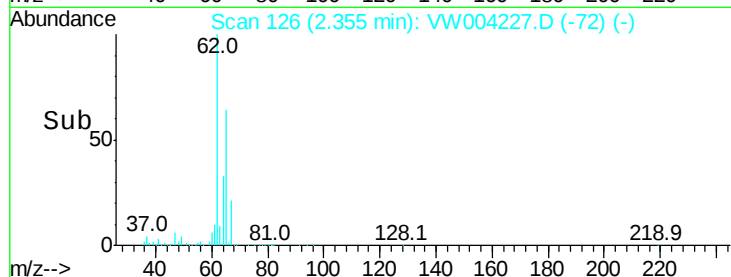
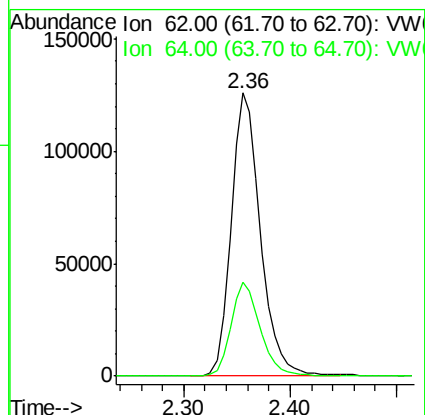
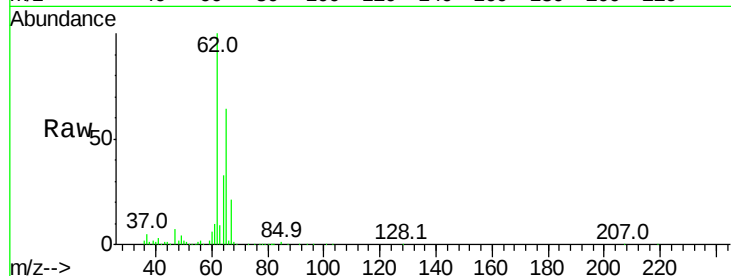
VSTD05088

Tgt Ion: 62 Resp: 242134

Ion Ratio Lower Upper

62 100

64 33.0 21.4 39.8



#6

Bromomethane

Concen: 44.143 ug/L

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW004227.D

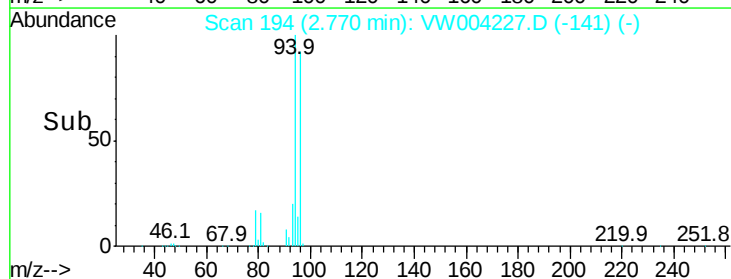
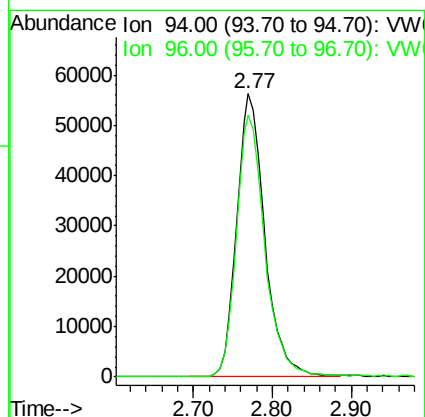
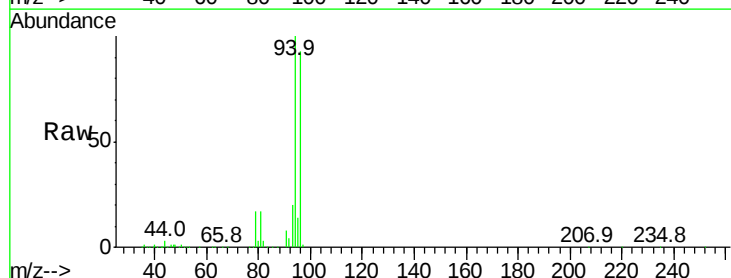
Acq: 26 Jul 2018 13:14

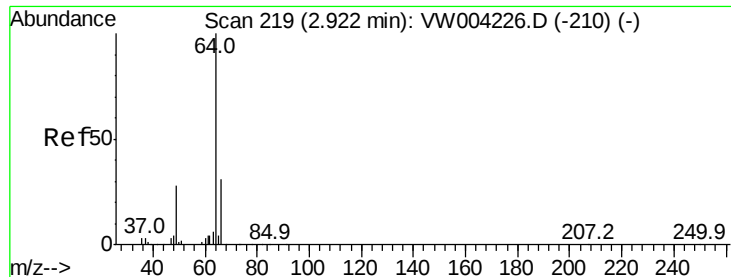
Tgt Ion: 94 Resp: 139441

Ion Ratio Lower Upper

94 100

96 93.4 9.2 175.6





#8

Chloroethane

Concen: 43.355 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

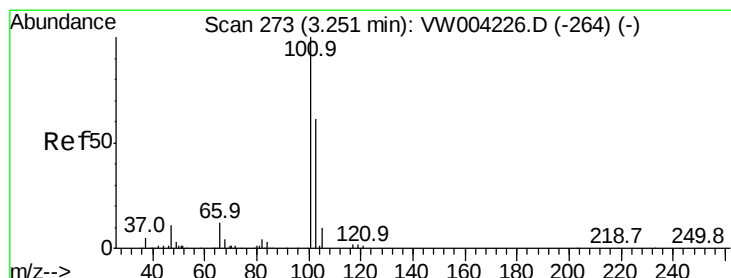
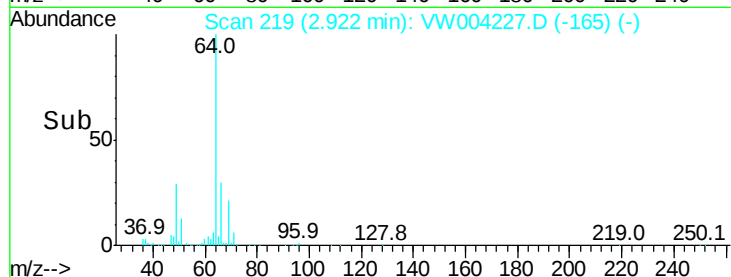
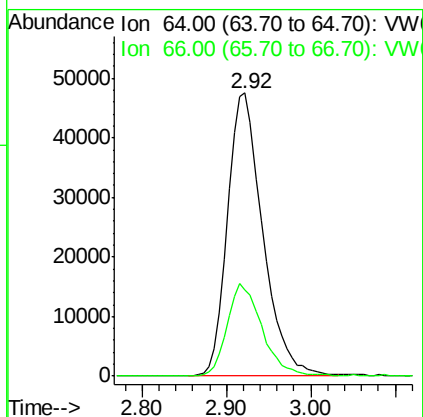
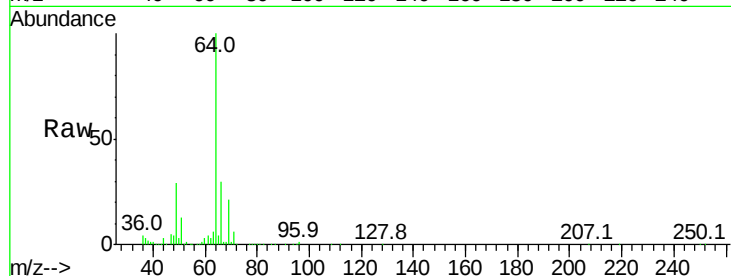
VSTD05088

Tgt Ion: 64 Resp: 135240

Ion Ratio Lower Upper

64 100

66 30.5 21.6 40.2



#9

Trichlorofluoromethane

Concen: 39.088 ug/L

RT: 3.25 min Scan# 272

Delta R.T. -0.01 min

Lab File: VW004227.D

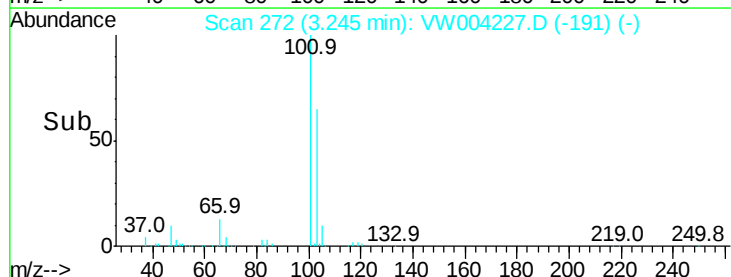
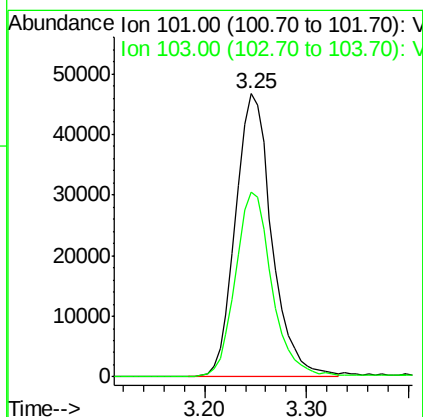
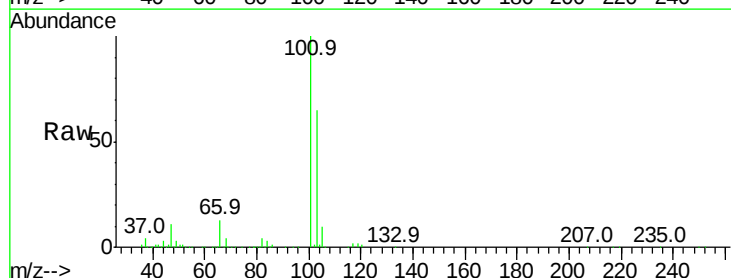
Acq: 26 Jul 2018 13:14

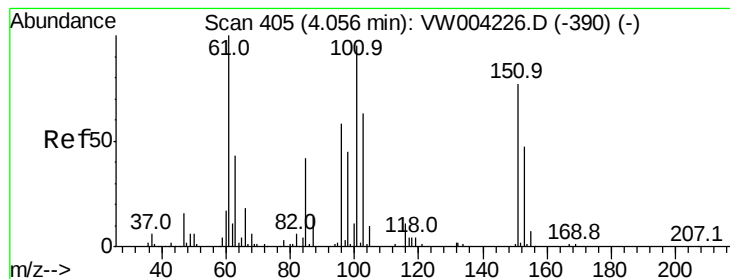
Tgt Ion: 101 Resp: 115882

Ion Ratio Lower Upper

101 100

103 64.8 44.6 82.8





#11

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

Concen: 44.996 ug/L

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD05088

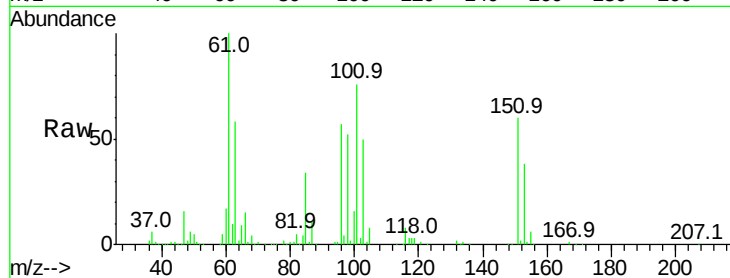
Tgt Ion: 101 Resp: 237217

Ion Ratio Lower Upper

101 100

85 44.1 35.8 53.8

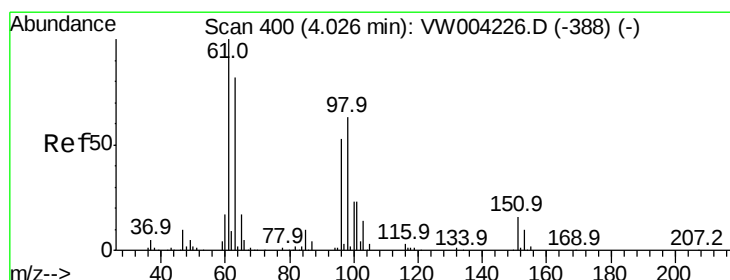
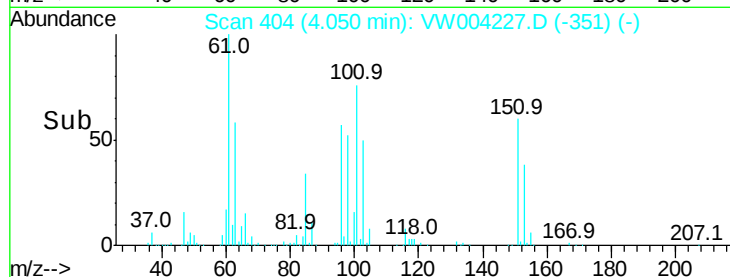
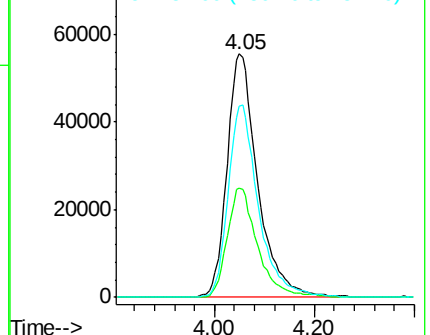
151 77.7 63.4 95.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 44.921 ug/L

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

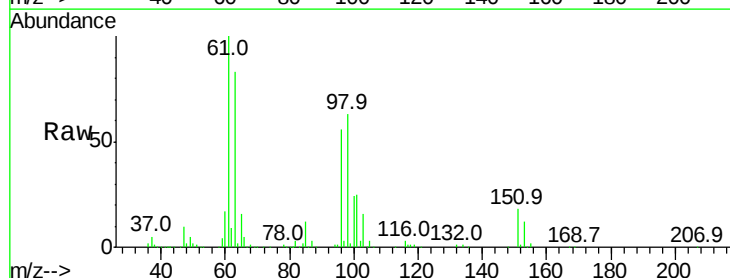
Tgt Ion: 96 Resp: 230848

Ion Ratio Lower Upper

96 100

61 179.9 133.1 247.3

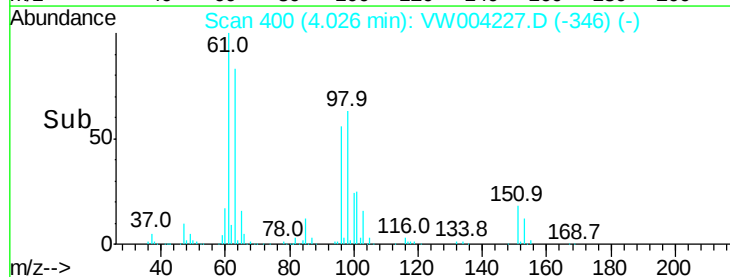
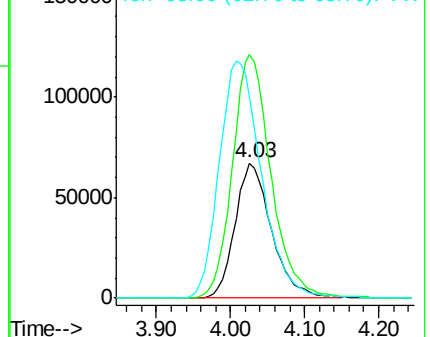
63 148.5 111.7 207.5

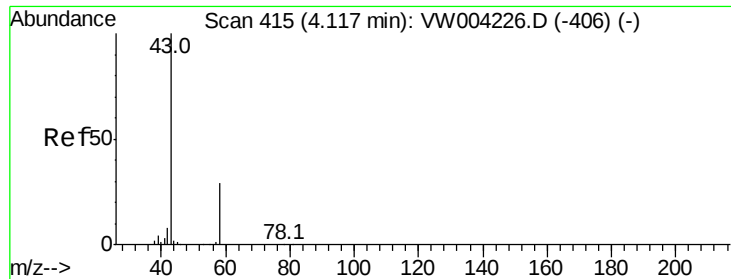


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 94.237 ug/L

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW004227.D

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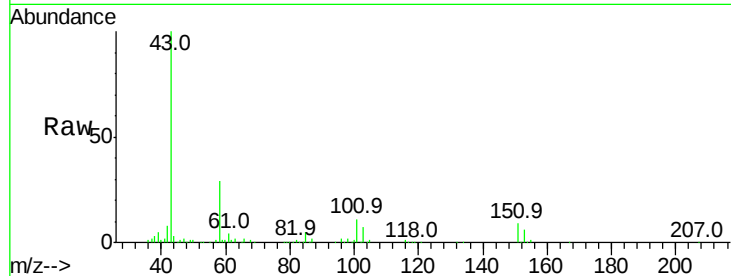
VSTD05088

Tgt Ion: 43 Resp: 229423

Ion Ratio Lower Upper

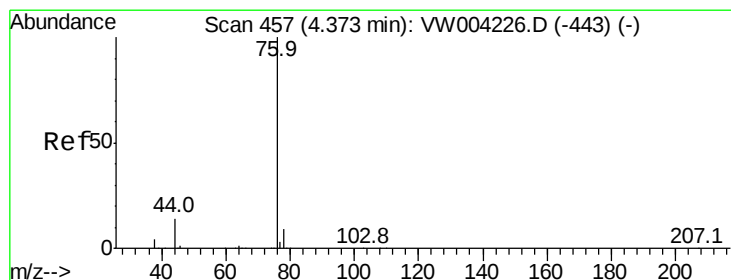
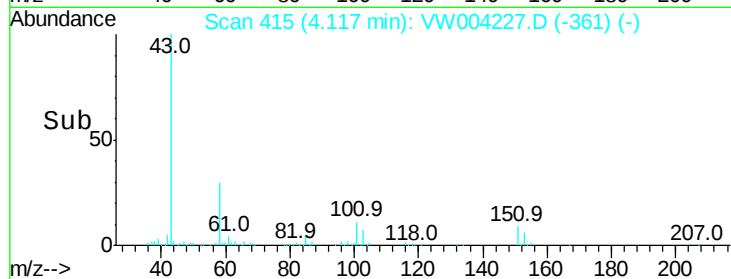
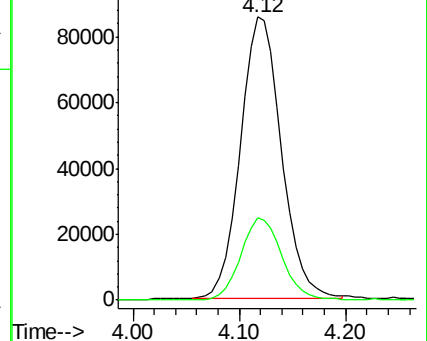
43 100

58 29.3 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 44.244 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW004227.D

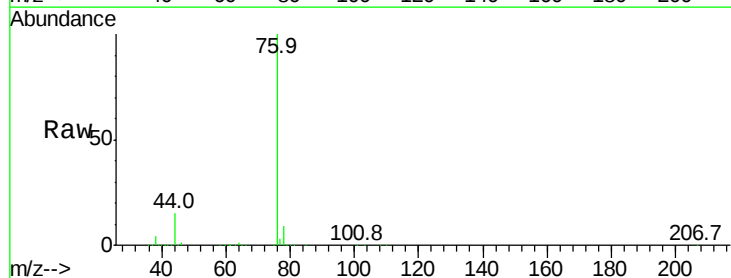
Acq: 26 Jul 2018 13:14

Tgt Ion: 76 Resp: 735578

Ion Ratio Lower Upper

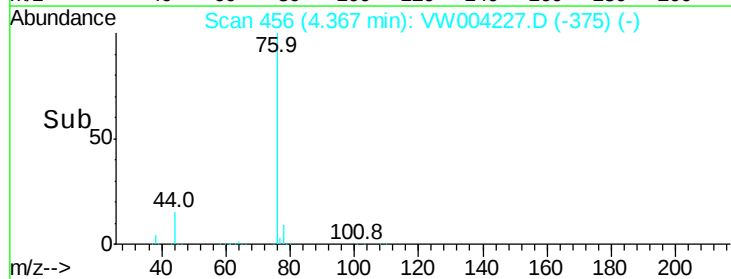
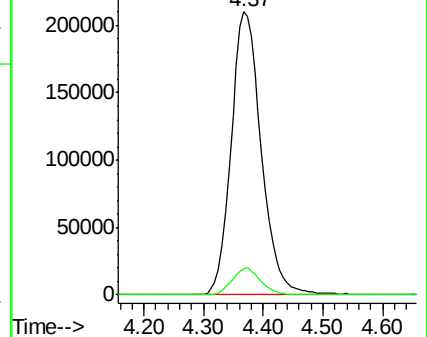
76 100

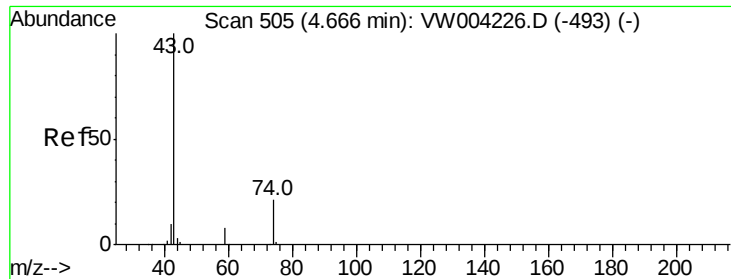
78 9.3 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

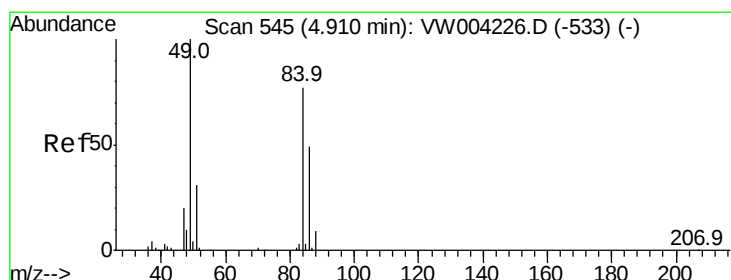
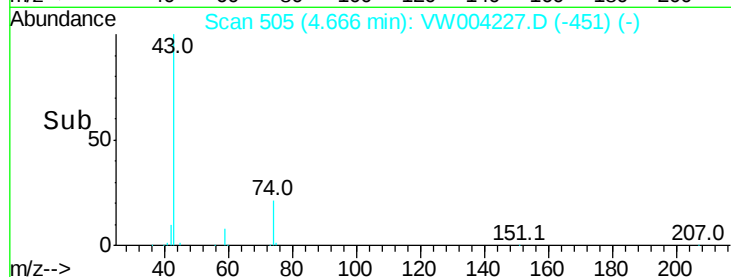
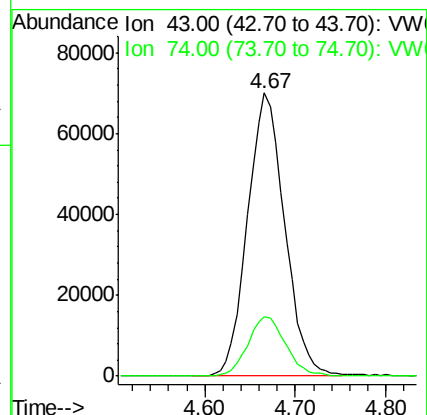
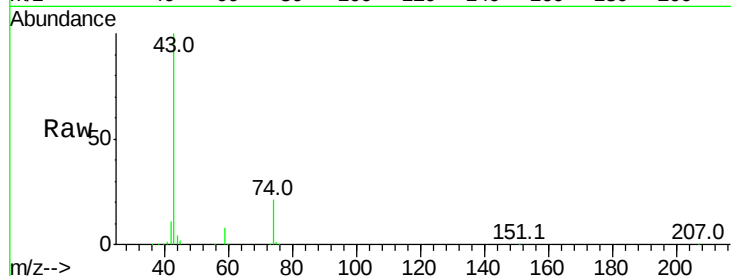




#15
Methyl Acetate
Concen: 47.802 ug/L
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

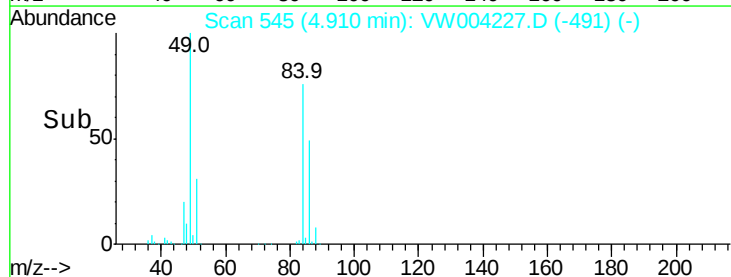
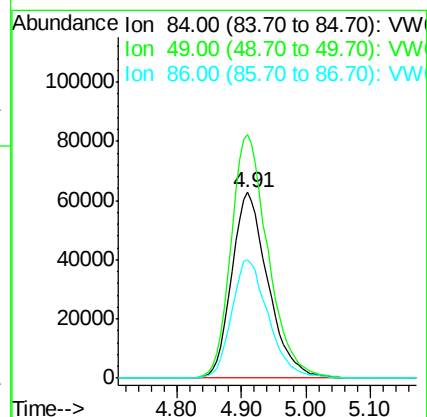
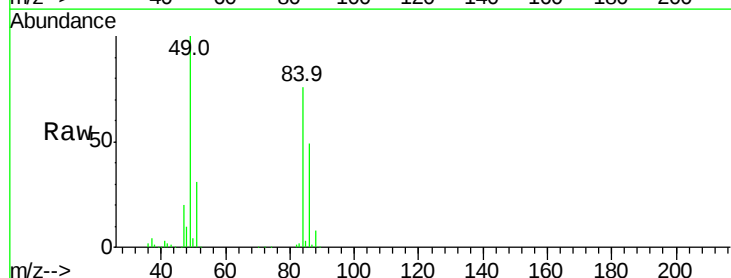
Instrument :
MSVOA_W
ClientSampleId :
VSTD05088

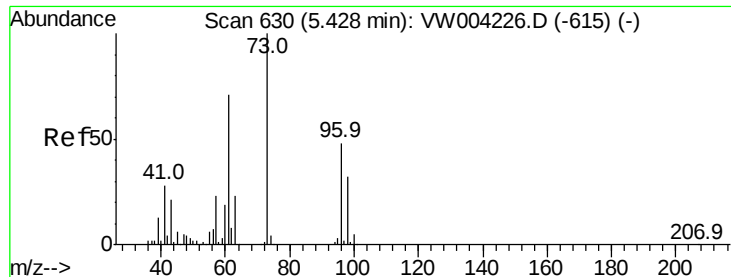
Tgt Ion: 43 Resp: 198532
Ion Ratio Lower Upper
43 100
74 21.4 17.0 25.6



#16
Methylene chloride
Concen: 33.343 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

Tgt Ion: 84 Resp: 246953
Ion Ratio Lower Upper
84 100
49 131.3 90.9 168.7
86 63.7 44.4 82.5

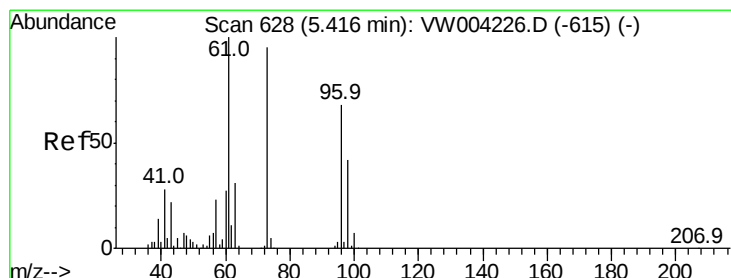
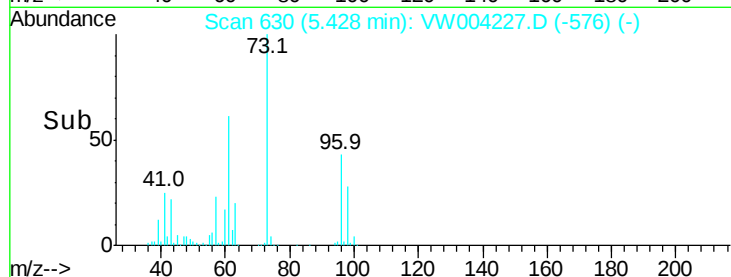
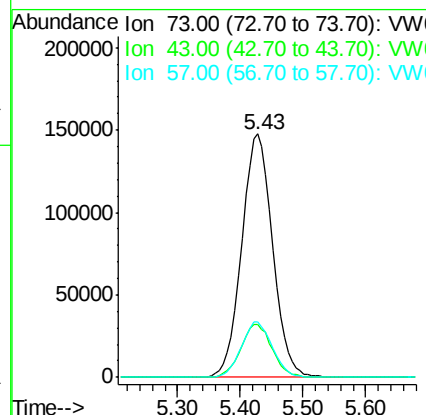
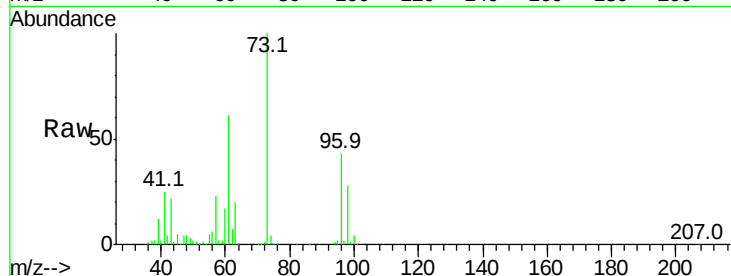




#17
Methyl tert-butyl Ether
Concen: 50.627 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

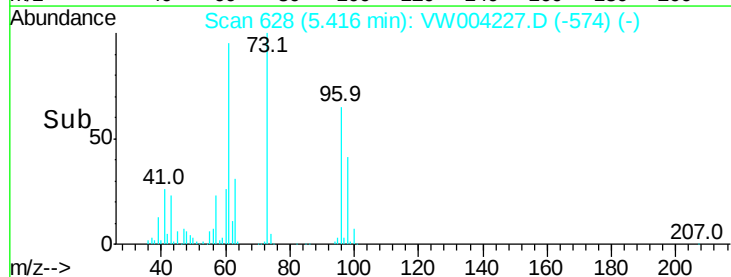
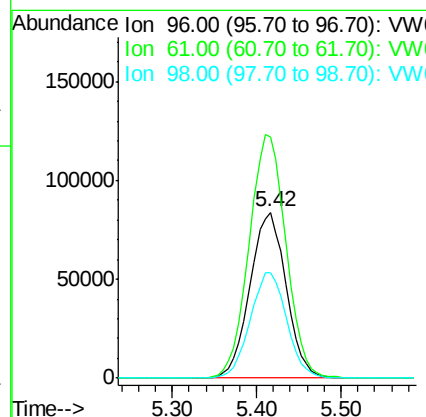
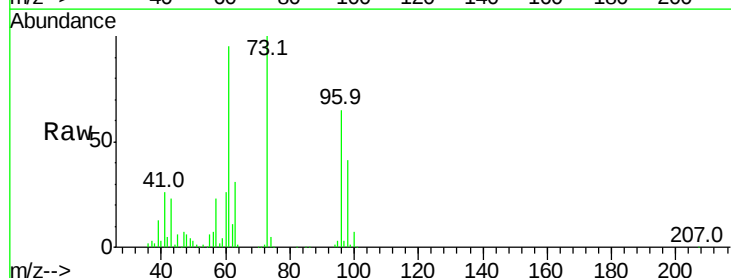
Instrument :
MSVOA_W
ClientSampled :
VSTD05088

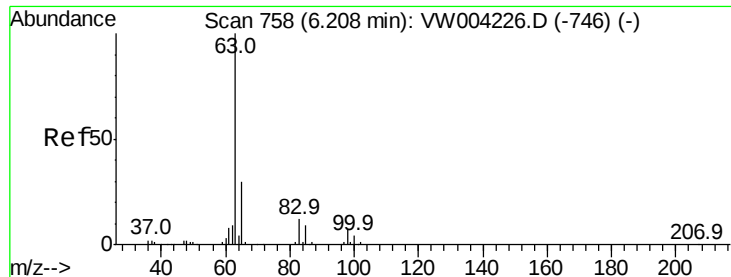
Tgt Ion: 73 Resp: 503175
Ion Ratio Lower Upper
73 100
43 22.0 17.8 26.6
57 22.7 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 46.410 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

Tgt Ion: 96 Resp: 245548
Ion Ratio Lower Upper
96 100
61 145.3 102.4 190.2
98 63.3 43.1 80.1





#19

1,1-Dichloroethane

Concen: 46.408 ug/L

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD05088

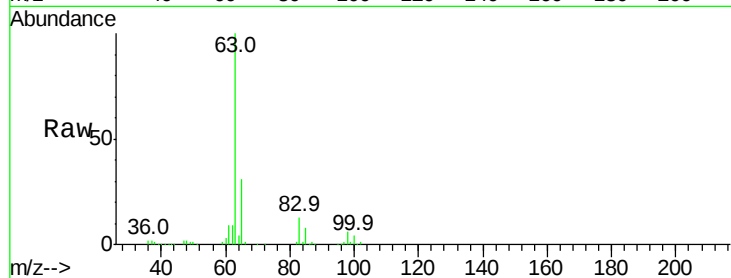
Tgt Ion: 63 Resp: 467128

Ion Ratio Lower Upper

63 100

65 31.0 21.3 39.6

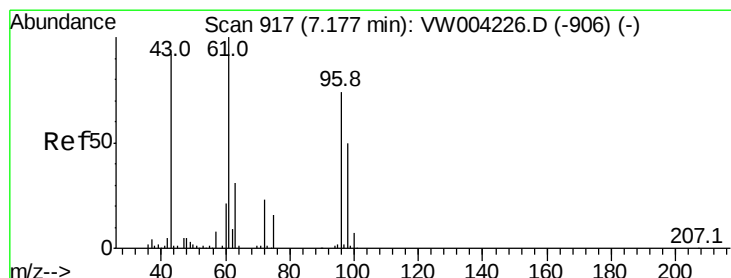
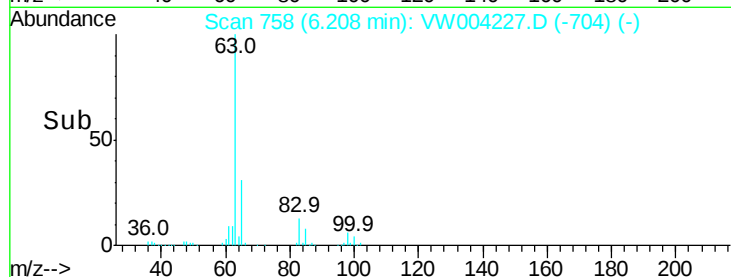
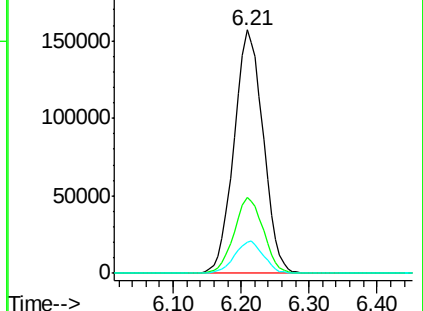
83 12.8 8.6 16.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 98.634 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004227.D

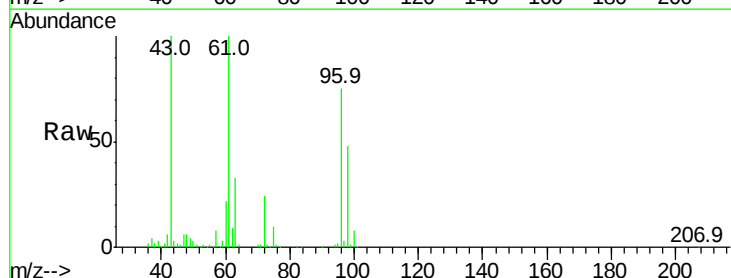
Acq: 26 Jul 2018 13:14

Tgt Ion: 43 Resp: 297944

Ion Ratio Lower Upper

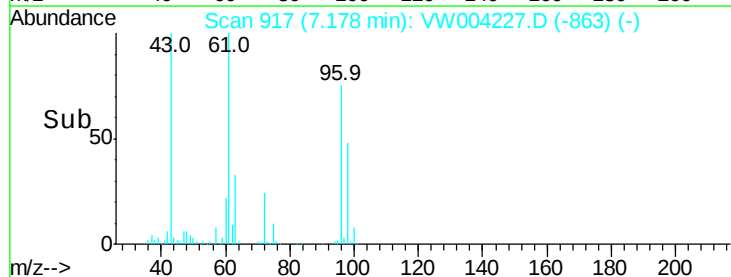
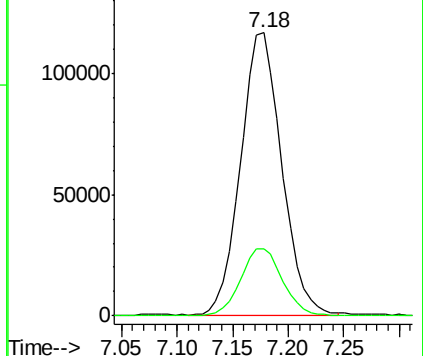
43 100

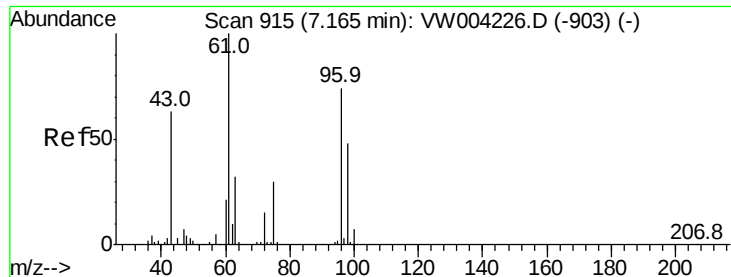
72 24.5 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



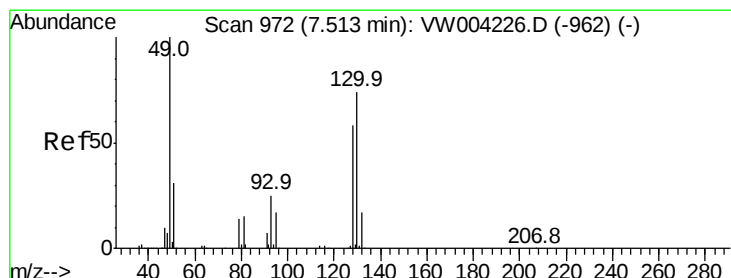
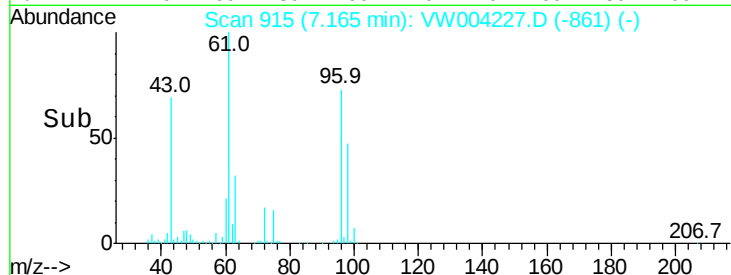
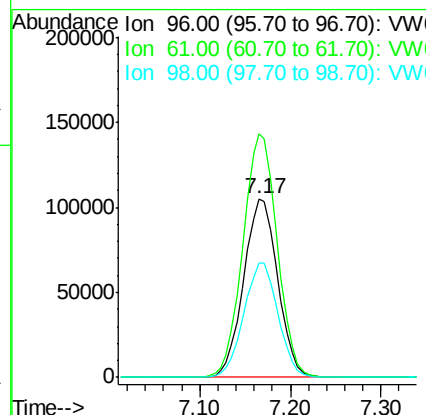
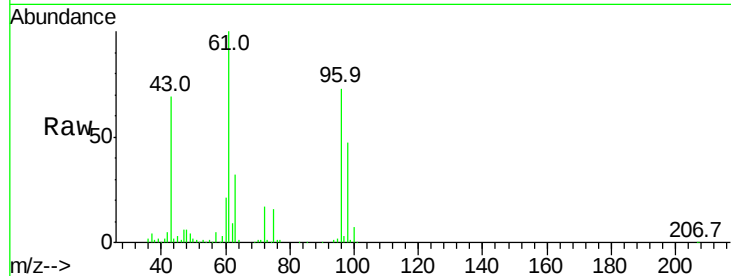


#22

cis-1,2-Dichloroethene
Concen: 48.332 ug/L
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD05088

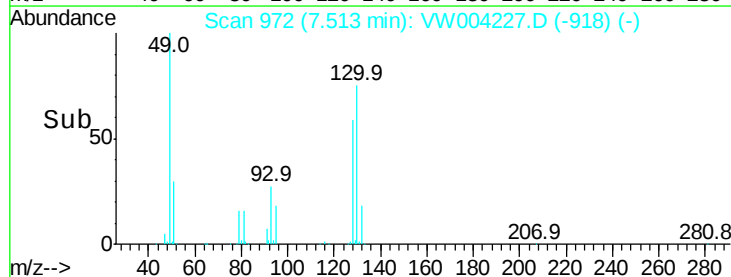
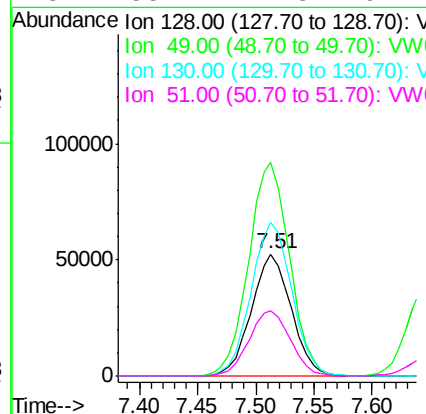
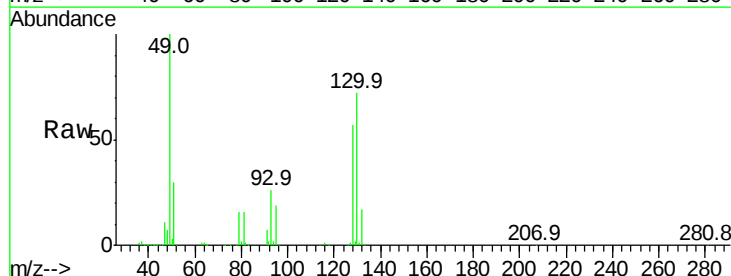
Tgt Ion: 96 Resp: 273320
Ion Ratio Lower Upper
96 100
61 136.4 95.1 176.7
98 63.7 45.2 84.0

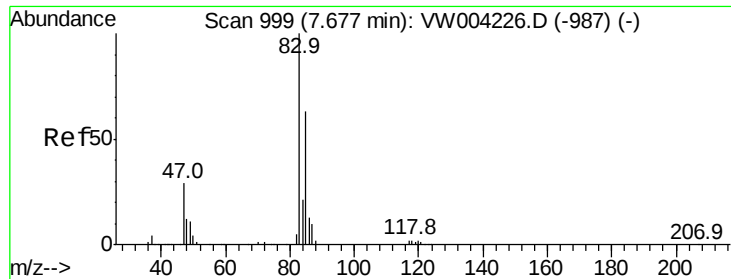


#23

Bromochloromethane
Concen: 47.139 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

Tgt Ion: 128 Resp: 125341
Ion Ratio Lower Upper
128 100
49 174.9 120.5 223.7
130 126.2 88.5 164.4
51 53.2 42.8 64.2

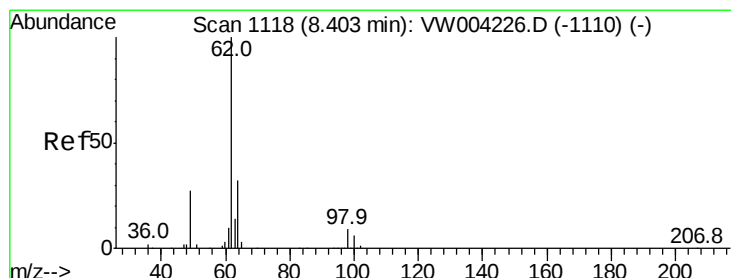
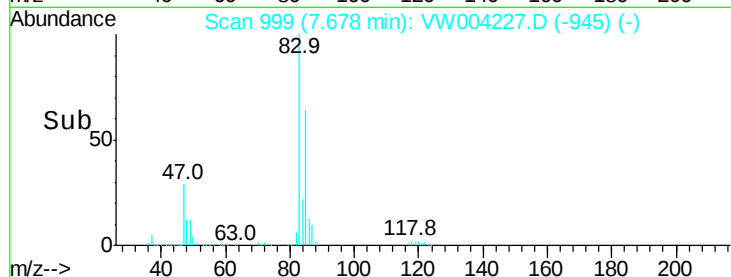
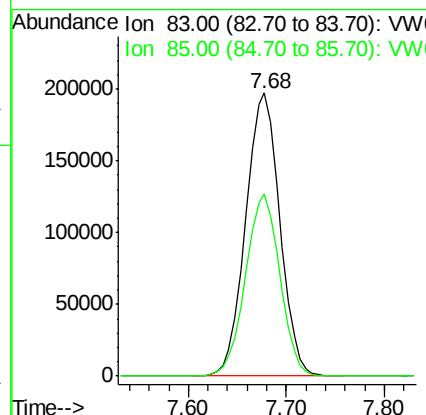
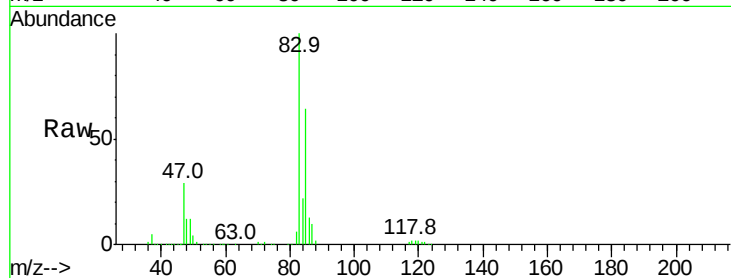




#25
Chloroform
Concen: 46.351 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

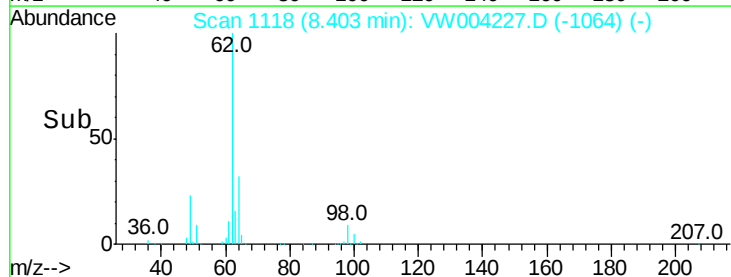
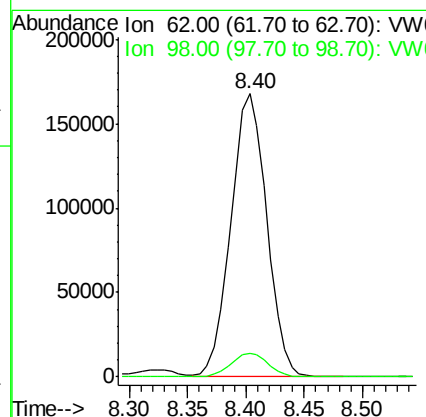
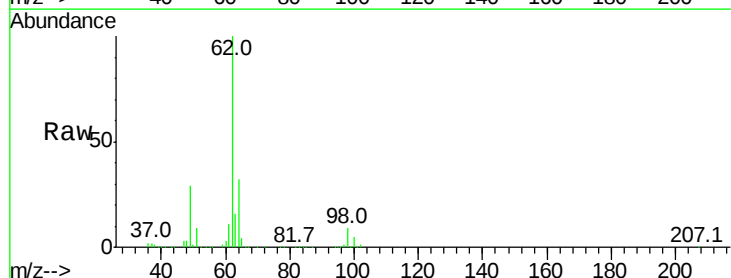
Instrument :
MSVOA_W
ClientSampleId :
VSTD05088

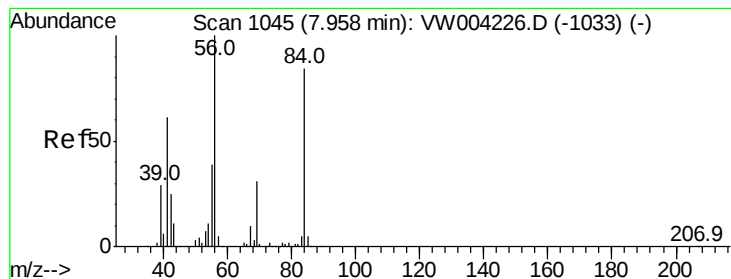
Tgt Ion: 83 Resp: 476431
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 47.367 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

Tgt Ion: 62 Resp: 358836
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.4





#30

Cyclohexane

Concen: 50.592 ug/L

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD05088

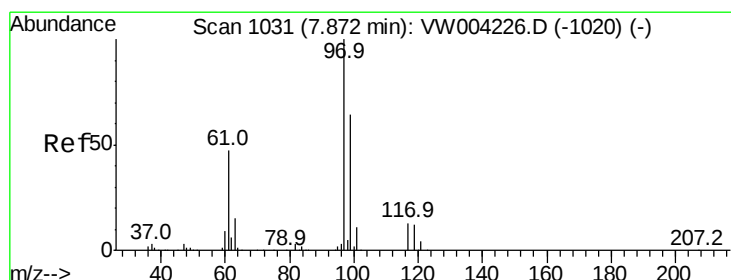
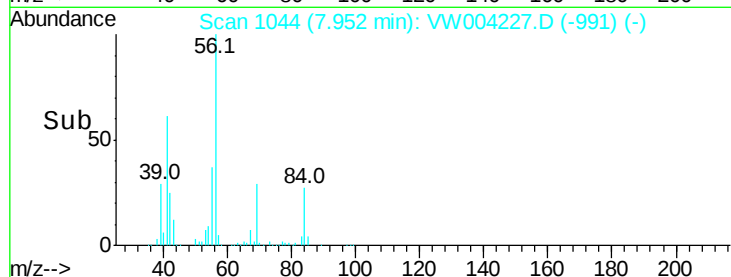
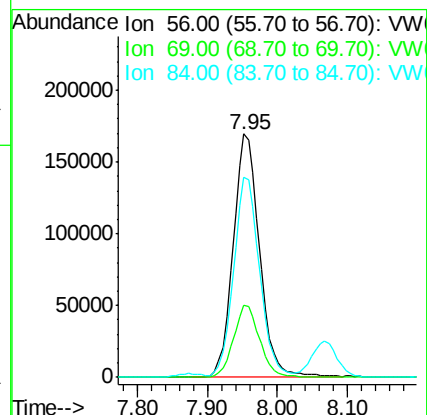
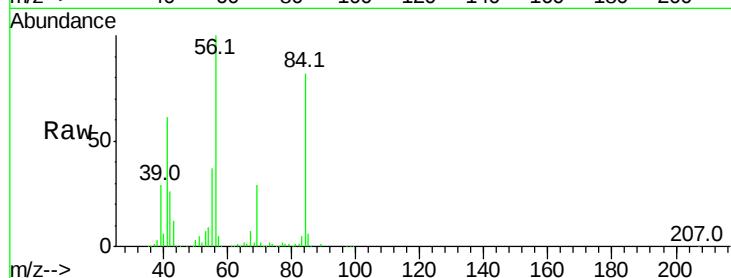
Tgt Ion: 56 Resp: 444603

Ion Ratio Lower Upper

56 100

69 29.2 23.2 34.8

84 80.9 64.0 96.0



#31

1,1,1-Trichloroethane

Concen: 45.176 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

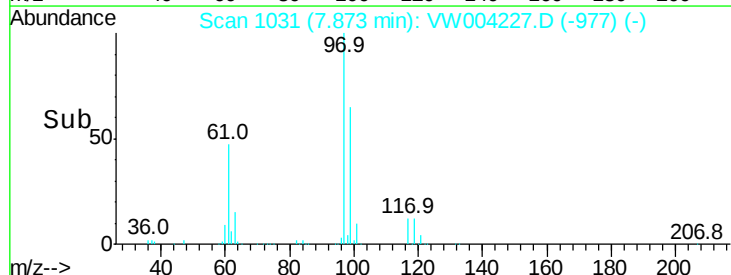
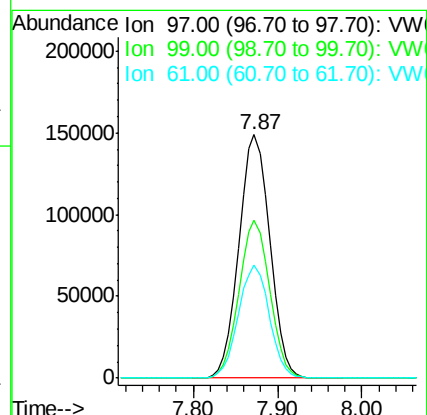
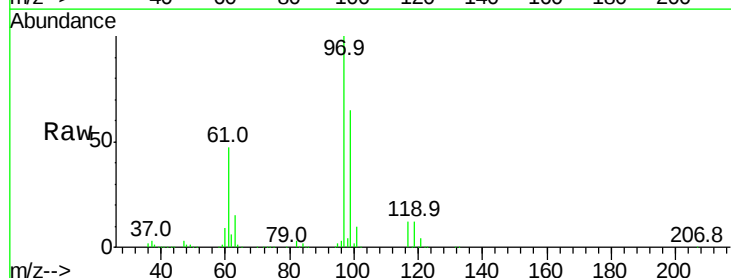
Tgt Ion: 97 Resp: 370212

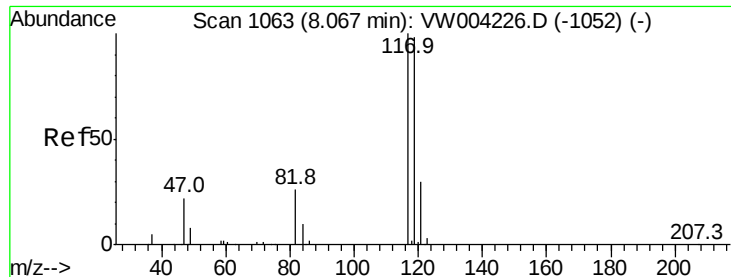
Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 46.3 37.1 55.7





#32

Carbon tetrachloride

Concen: 46.070 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

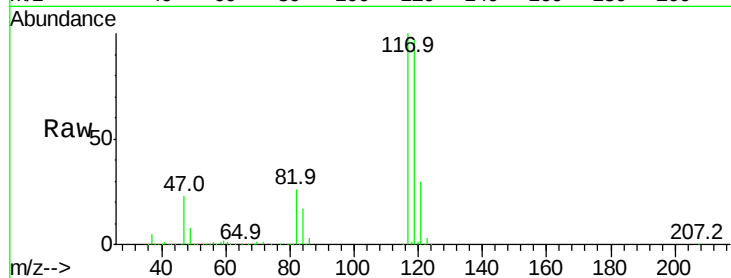
VSTD05088

Tgt Ion:117 Resp: 364245

Ion Ratio Lower Upper

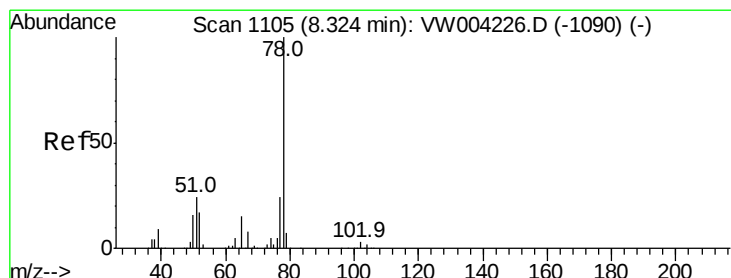
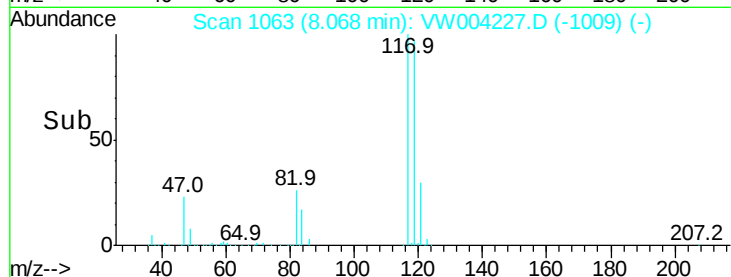
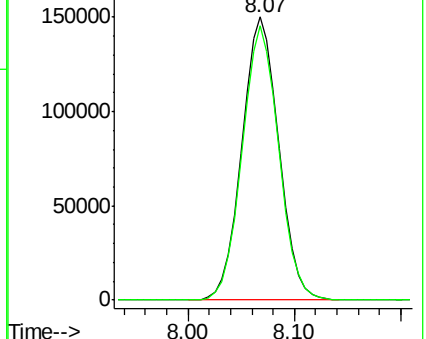
117 100

119 96.0 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 47.801 ug/L

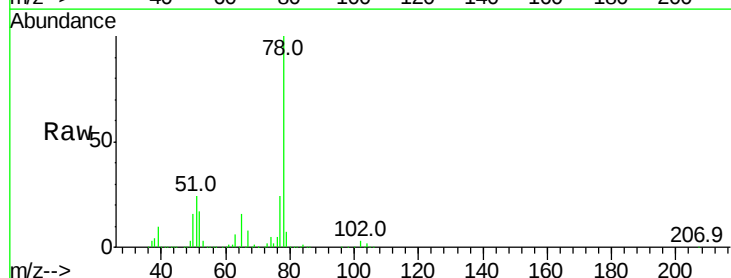
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

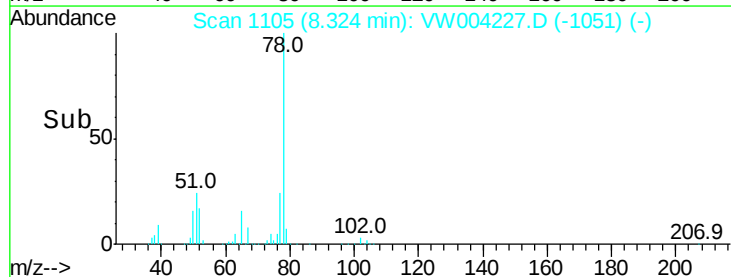
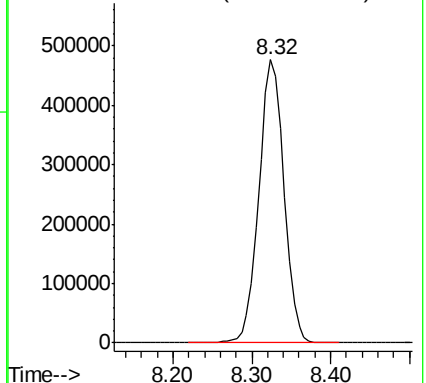
Lab File: VW004227.D

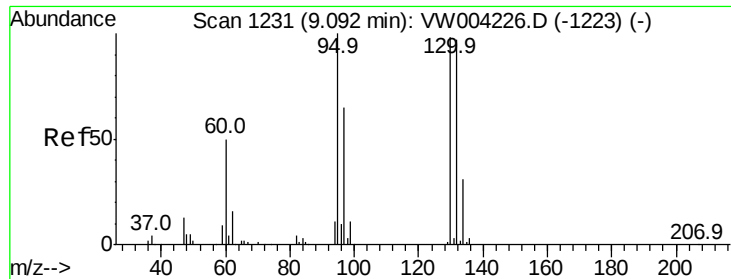
Acq: 26 Jul 2018 13:14

Tgt Ion: 78 Resp: 1055784



Abundance Ion 78.00 (77.70 to 78.70): VW

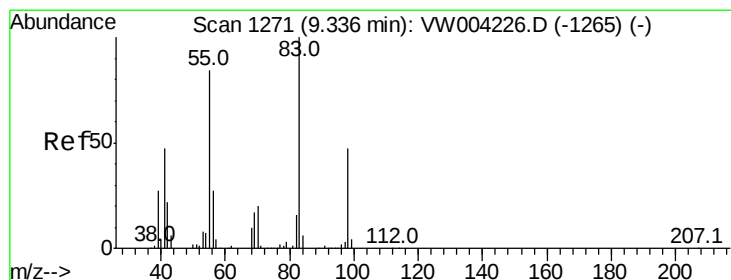
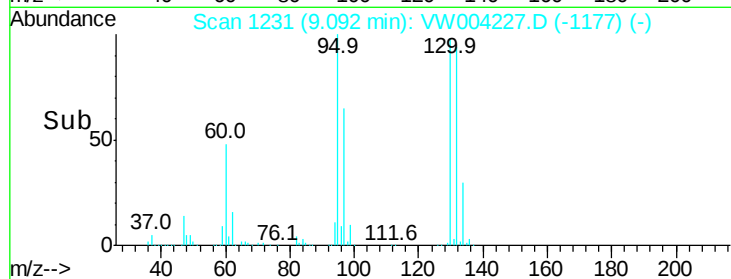
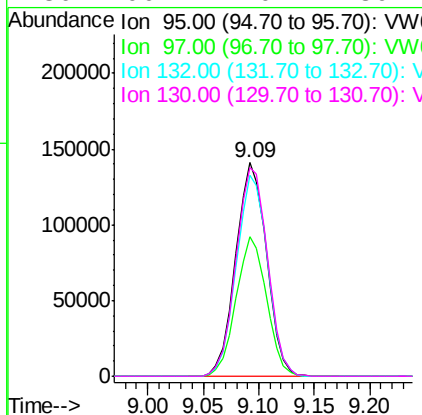
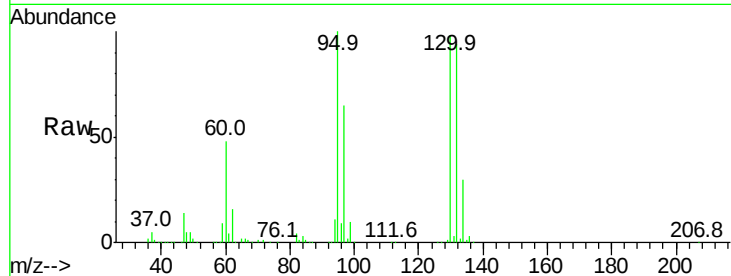




#35
 Trichloroethene
 Concen: 45.718 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004227.D
 Acq: 26 Jul 2018 13:14

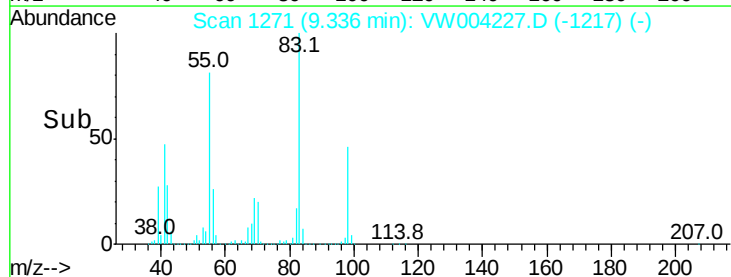
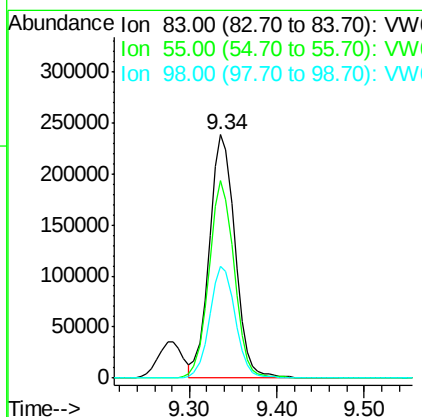
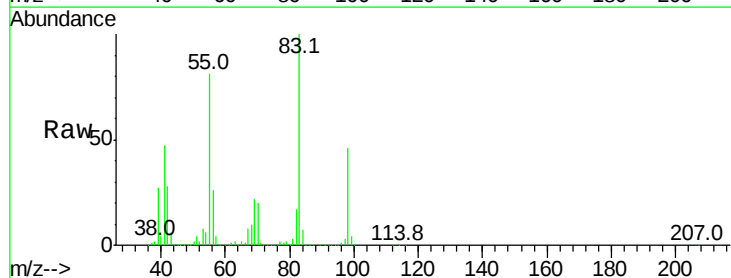
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05088

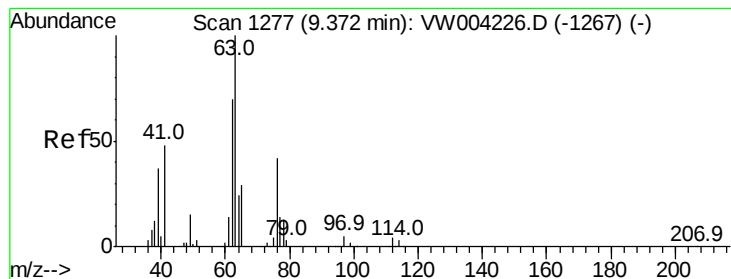
Tgt Ion:	95	Resp:	270177
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.9	83.5
132	95.7	67.4	125.2
130	100.1	70.2	130.4



#36
 Methylcyclohexane
 Concen: 49.635 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004227.D
 Acq: 26 Jul 2018 13:14

Tgt Ion:	83	Resp:	484809
Ion	Ratio	Lower	Upper
83	100		
55	80.6	65.5	98.3
98	45.8	37.1	55.7





#40

1,2-Dichloropropane

Concen: 47.357 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

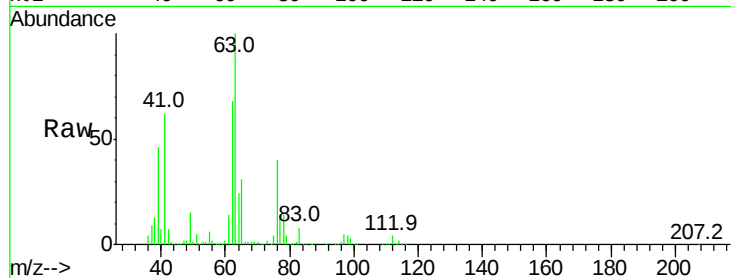
VSTD05088

Tgt Ion: 63 Resp: 283554

Ion Ratio Lower Upper

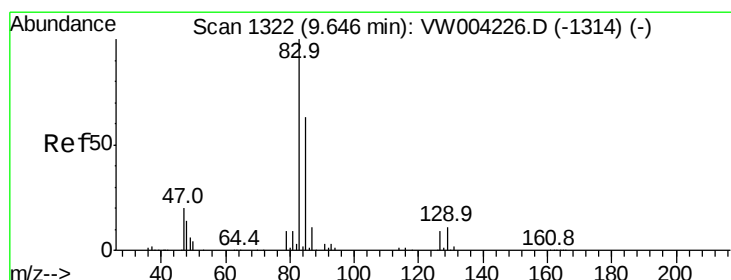
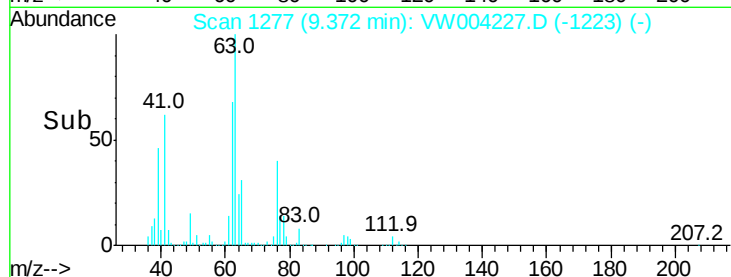
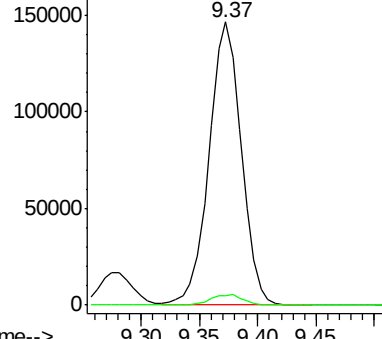
63 100

112 3.9 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 48.391 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

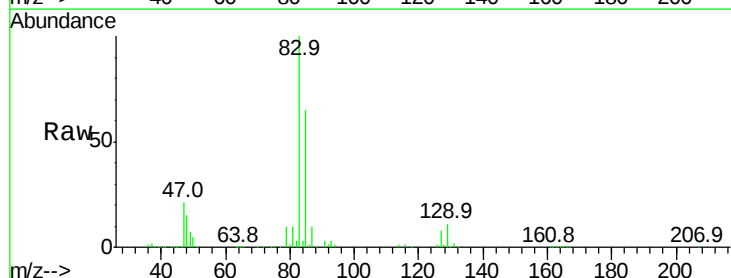
Tgt Ion: 83 Resp: 356742

Ion Ratio Lower Upper

83 100

85 65.0 44.0 81.8

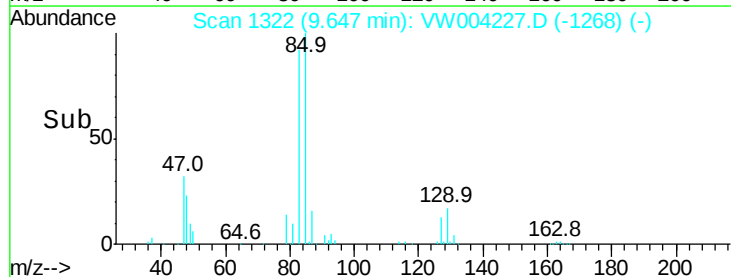
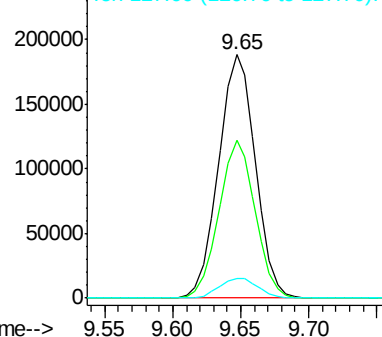
127 8.2 7.2 10.8

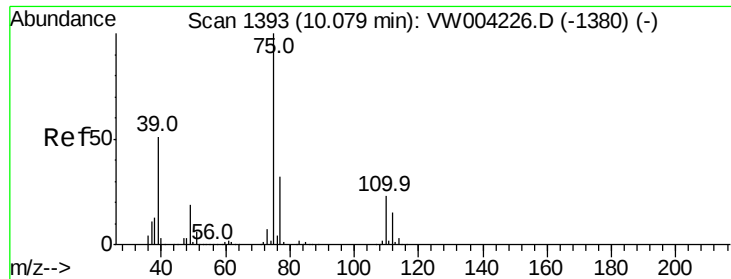


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 52.298 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampled :

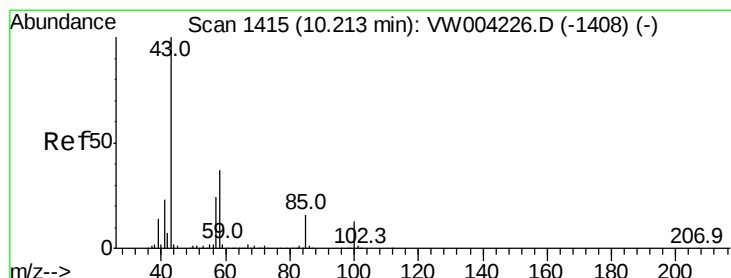
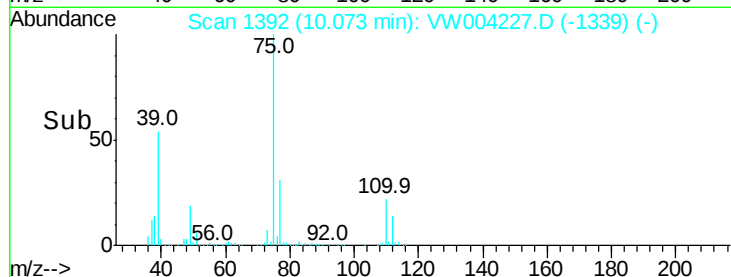
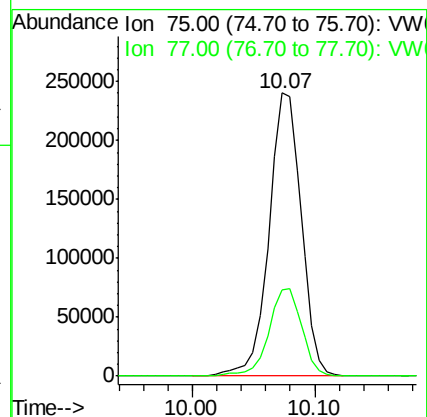
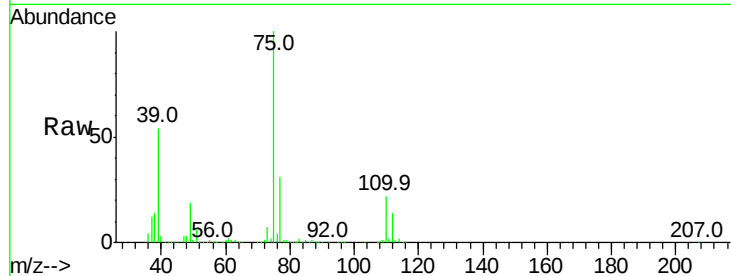
VSTD05088

Tgt Ion: 75 Resp: 441237

Ion Ratio Lower Upper

75 100

77 30.6 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 108.875 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

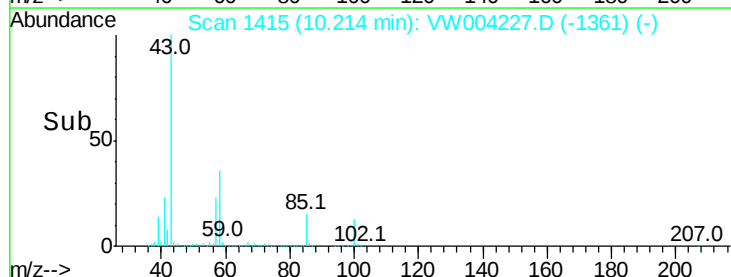
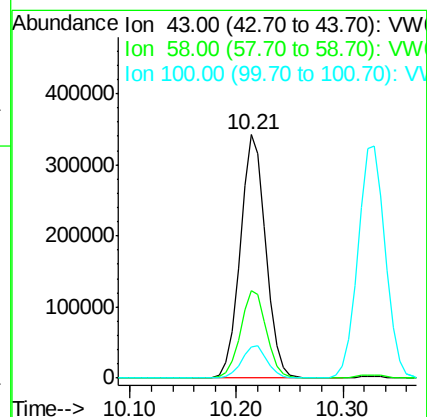
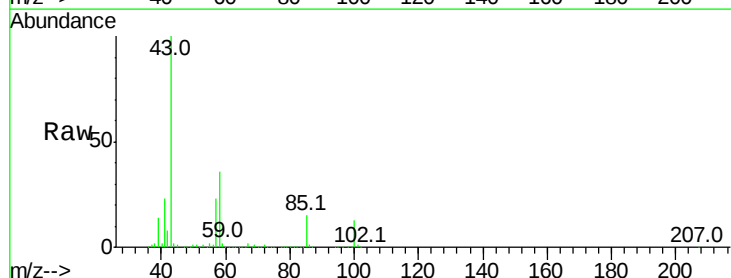
Tgt Ion: 43 Resp: 573093

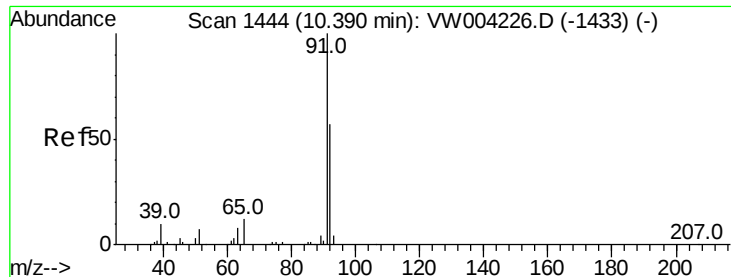
Ion Ratio Lower Upper

43 100

58 36.6 29.4 44.2

100 13.3 10.6 16.0





#44

Toluene

Concen: 48.822 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

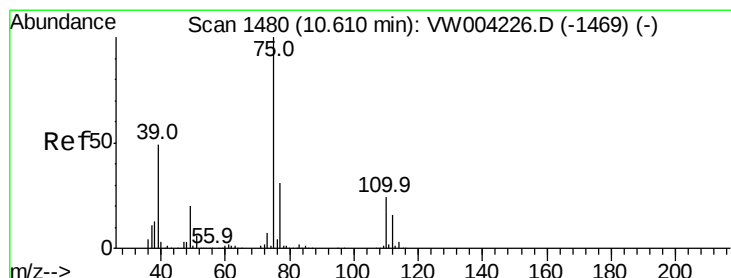
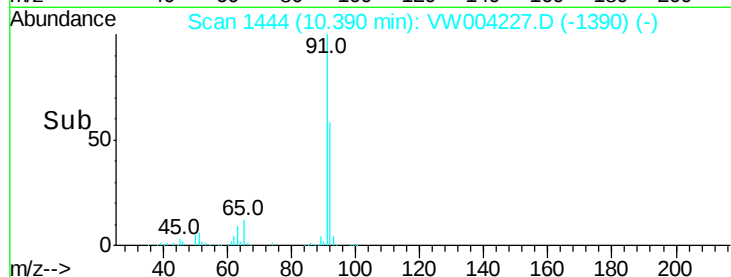
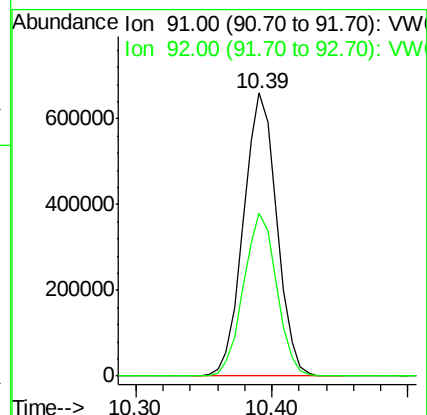
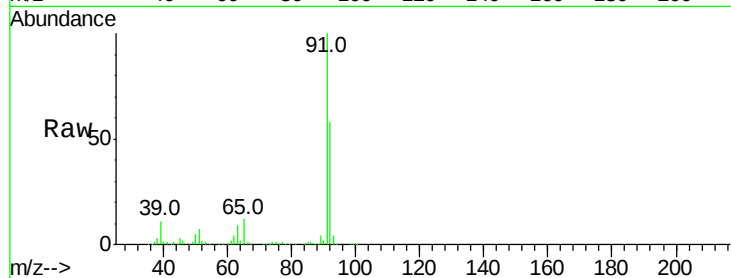
VSTD05088

Tgt Ion: 91 Resp: 1129963

Ion Ratio Lower Upper

91 100

92 57.8 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 52.212 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004227.D

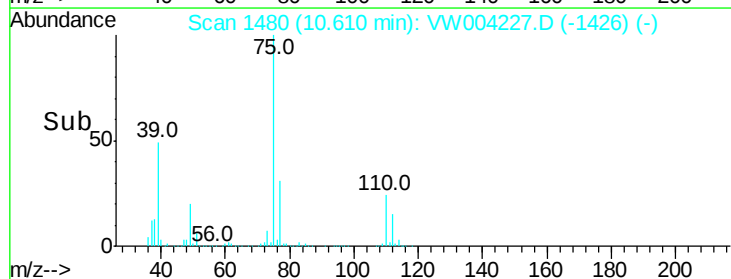
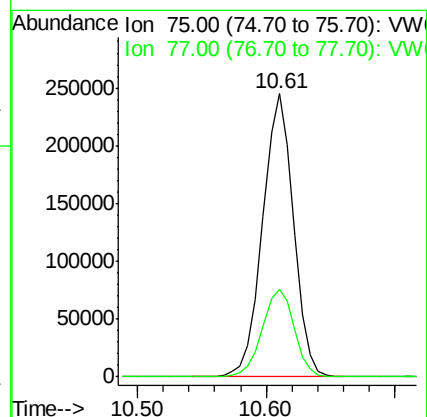
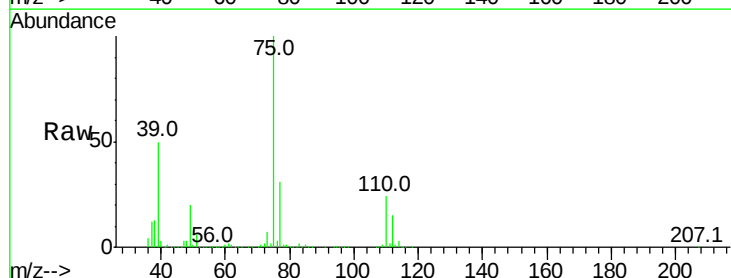
Acq: 26 Jul 2018 13:14

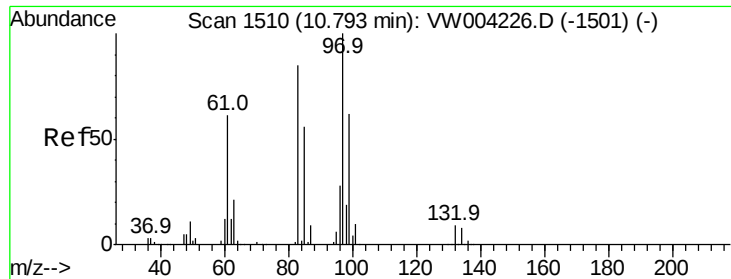
Tgt Ion: 75 Resp: 406314

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.2

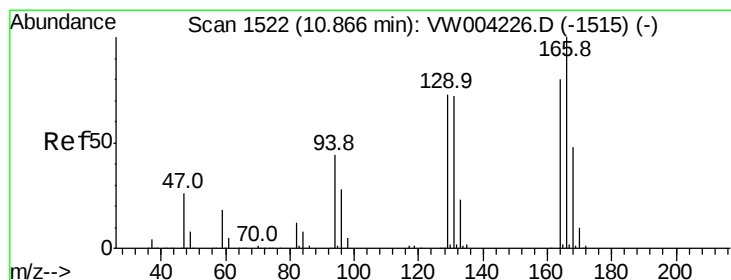
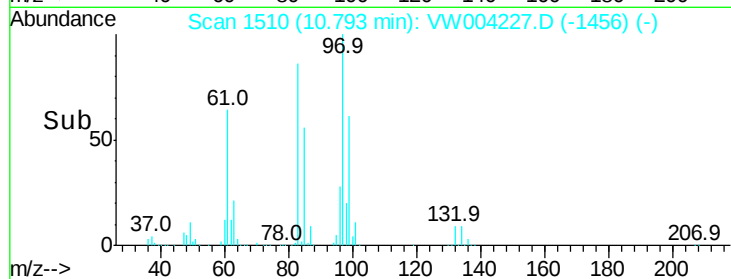
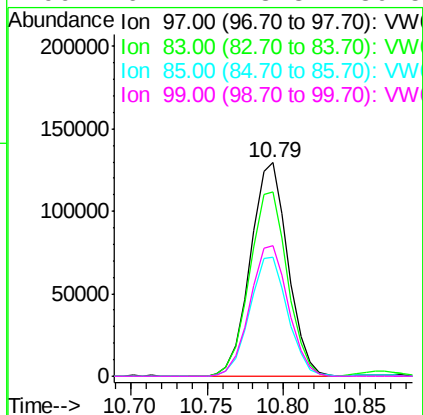
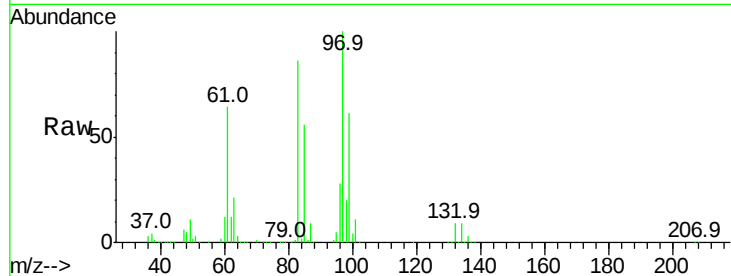




#46
 1,1,2-Trichloroethane
 Concen: 47.480 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004227.D
 Acq: 26 Jul 2018 13:14

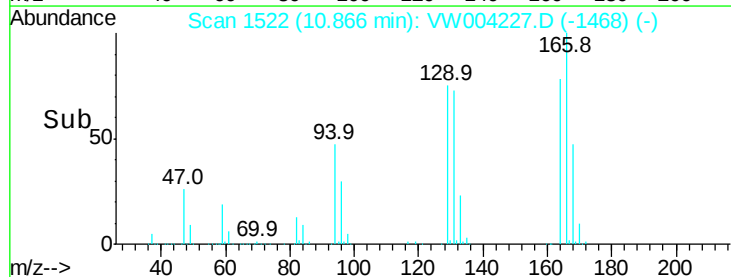
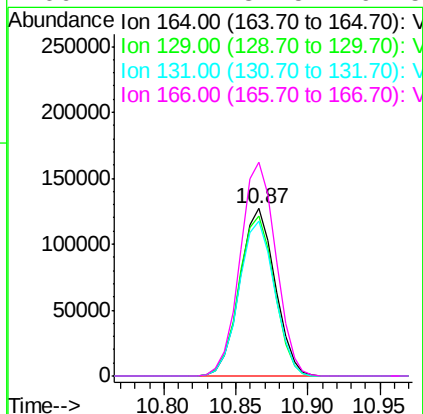
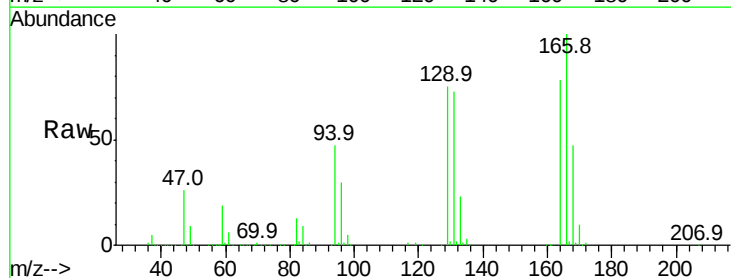
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05088

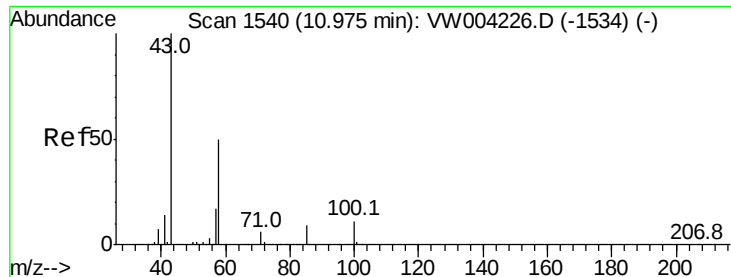
Tgt Ion: 97 Resp: 220947
 Ion Ratio Lower Upper
 97 100
 83 86.5 59.8 111.0
 85 55.5 39.3 73.1
 99 61.4 43.3 80.5



#47
 Tetrachloroethene
 Concen: 45.197 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004227.D
 Acq: 26 Jul 2018 13:14

Tgt Ion: 164 Resp: 215415
 Ion Ratio Lower Upper
 164 100
 129 95.5 63.4 117.8
 131 92.7 63.1 117.1
 166 127.7 87.5 162.5

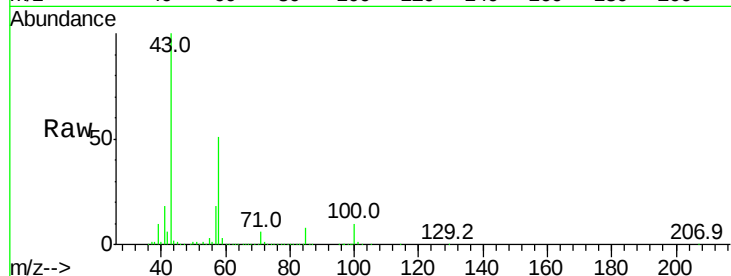




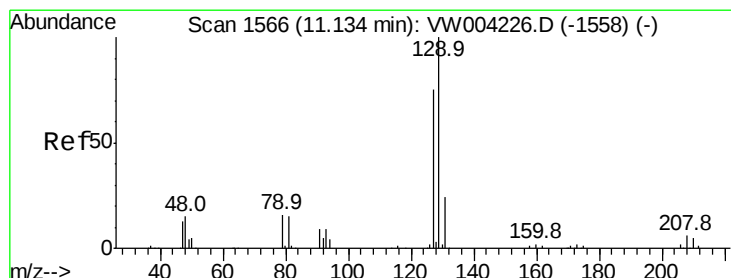
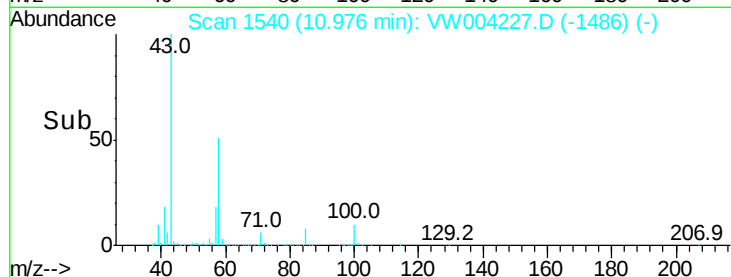
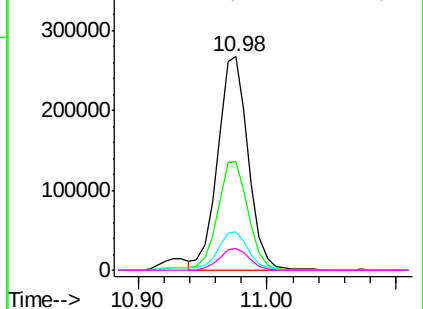
#49
2-Hexanone
Concen: 109.166 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD05088

Tgt Ion: 43 Resp: 444865
Ion Ratio Lower Upper
43 100
58 50.5 39.8 59.8
57 18.0 13.9 20.9
100 10.1 8.0 12.0

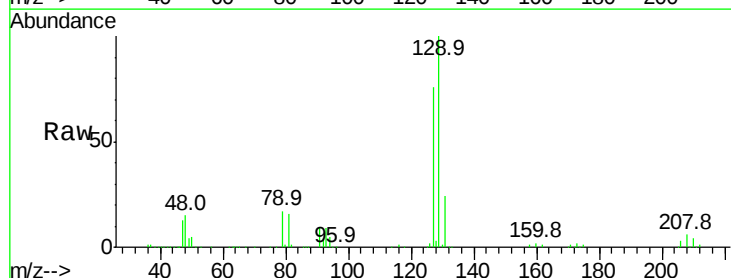


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

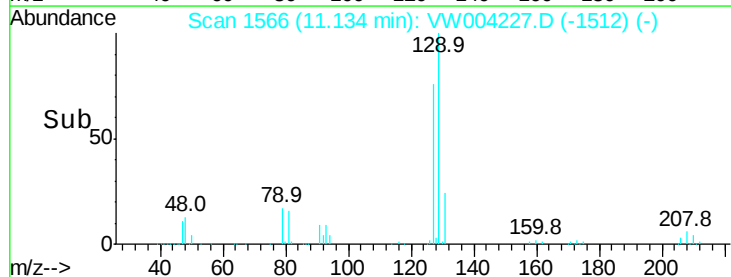
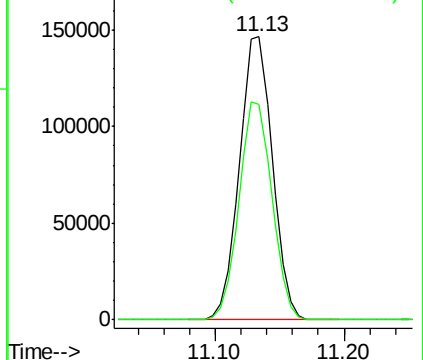


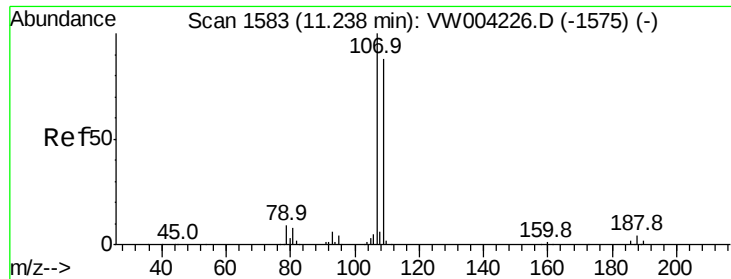
#50
Dibromochloromethane
Concen: 49.693 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

Tgt Ion: 129 Resp: 259051
Ion Ratio Lower Upper
129 100
127 76.4 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

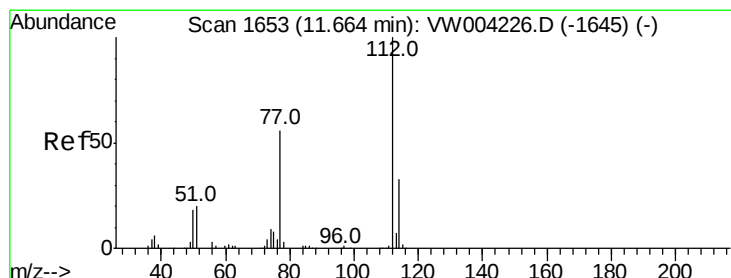
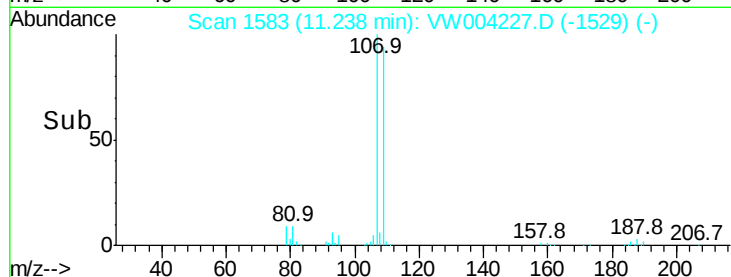
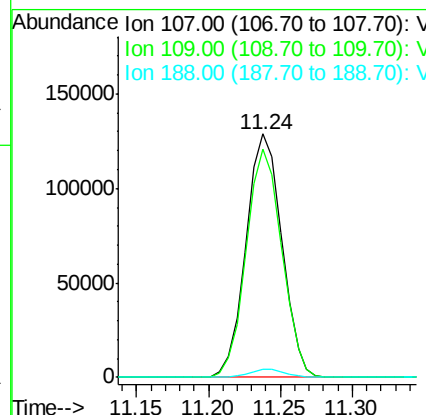
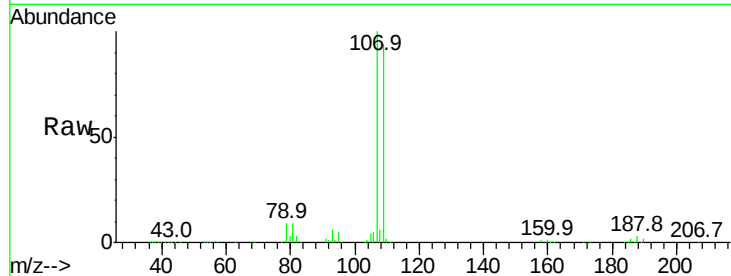




#51
1,2-Dibromoethane
Concen: 48.732 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

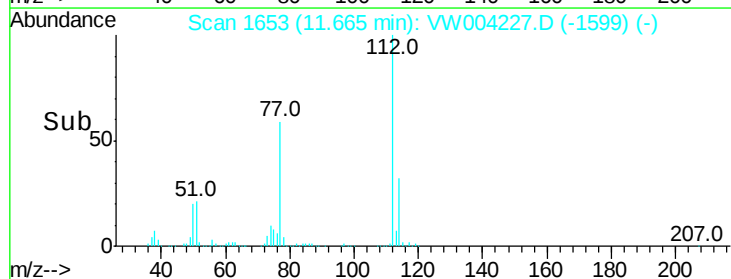
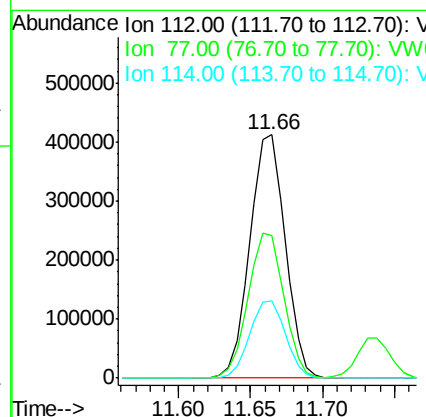
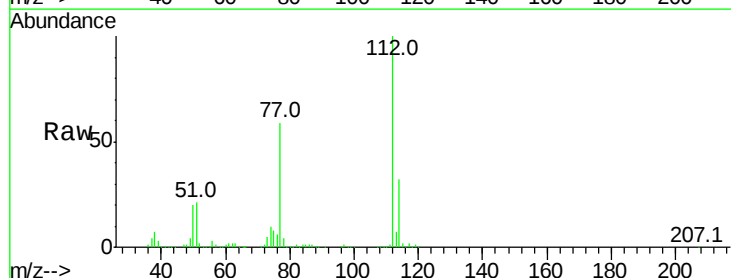
Instrument :
MSVOA_W
ClientSampleId :
VSTD05088

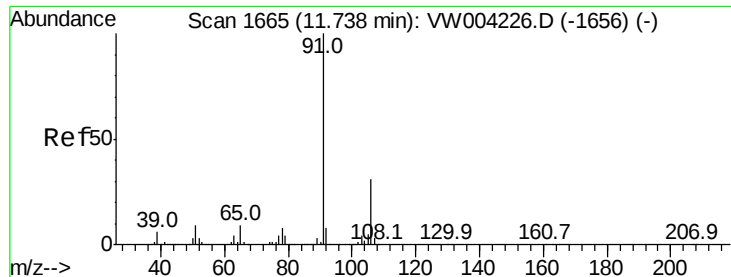
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	61.3	113.9
188	3.4	3.0	4.4



#52
Chlorobenzene
Concen: 47.121 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004227.D
Acq: 26 Jul 2018 13:14

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.7	45.2	67.8
114	32.0	22.9	42.5





#53

Ethylbenzene

Concen: 49.775 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

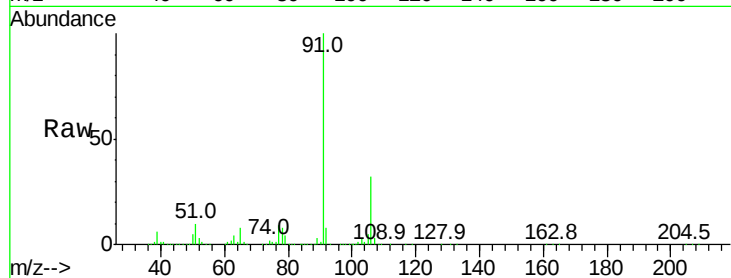
VSTD05088

Tgt Ion: 91 Resp: 1247017

Ion Ratio Lower Upper

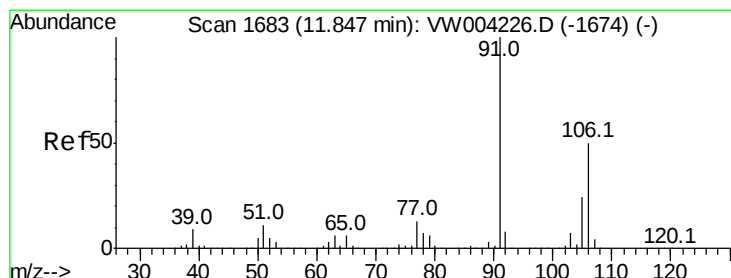
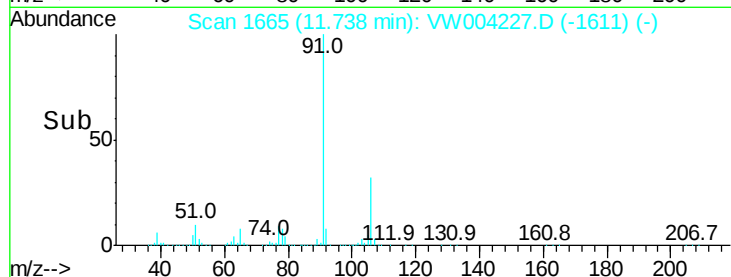
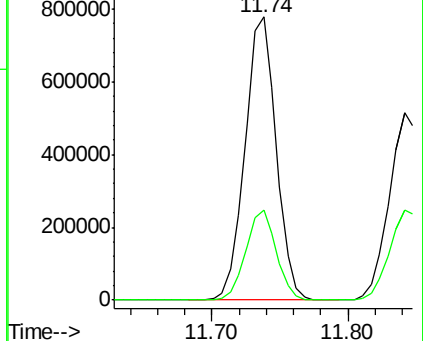
91 100

106 31.9 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 50.590 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004227.D

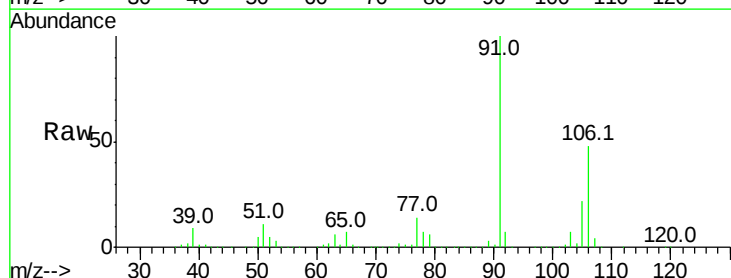
Acq: 26 Jul 2018 13:14

Tgt Ion: 106 Resp: 467127

Ion Ratio Lower Upper

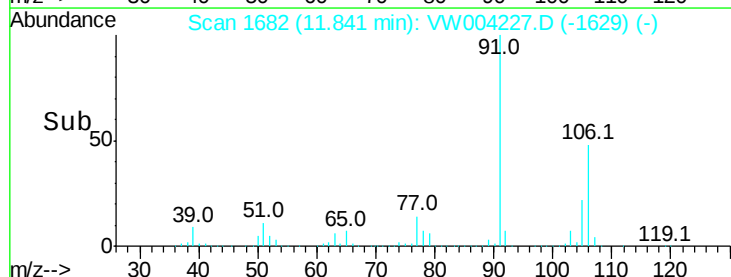
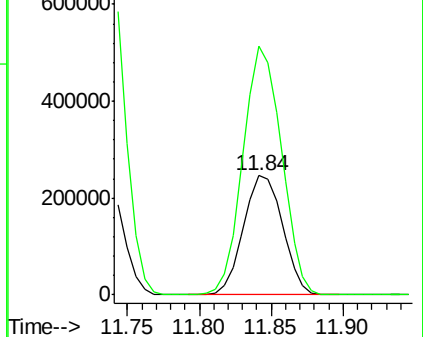
106 100

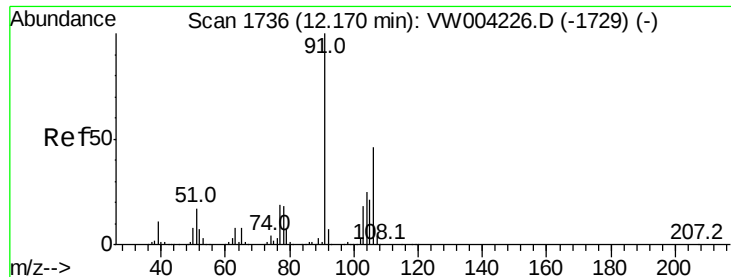
91 209.1 138.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 50.814 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampled :

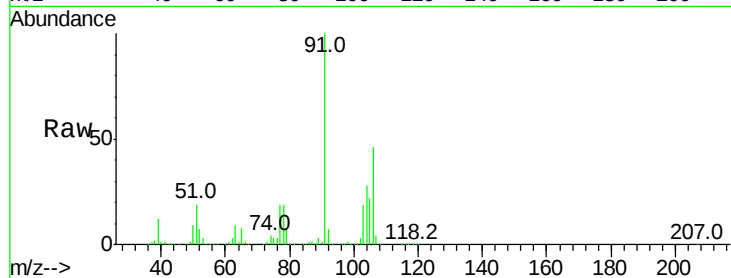
VSTD05088

Tgt Ion:106 Resp: 448787

Ion Ratio Lower Upper

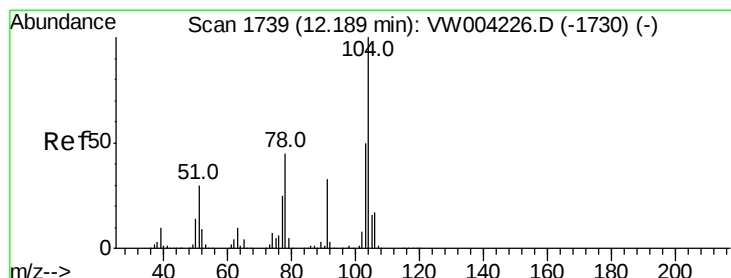
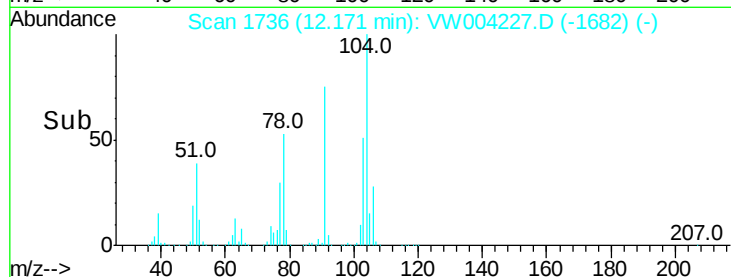
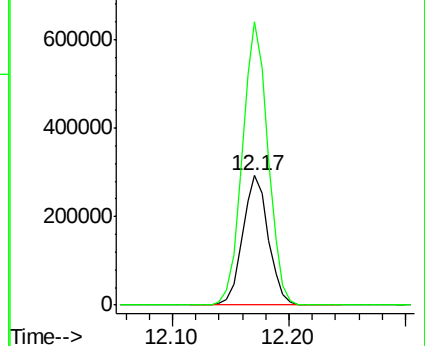
106 100

91 218.9 153.5 285.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 52.288 ug/L

RT: 12.18 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VW004227.D

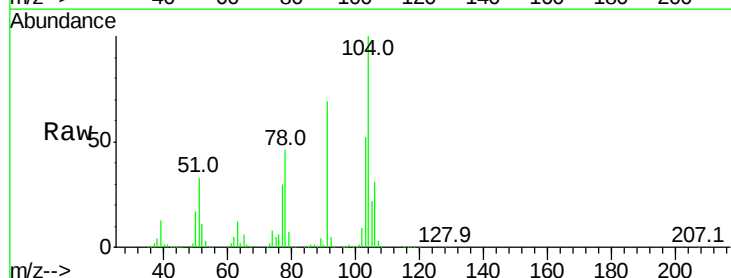
Acq: 26 Jul 2018 13:14

Tgt Ion:104 Resp: 797773

Ion Ratio Lower Upper

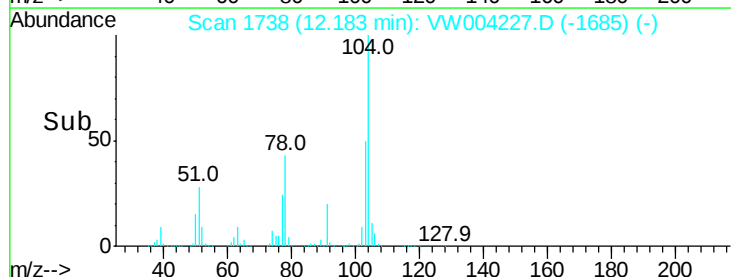
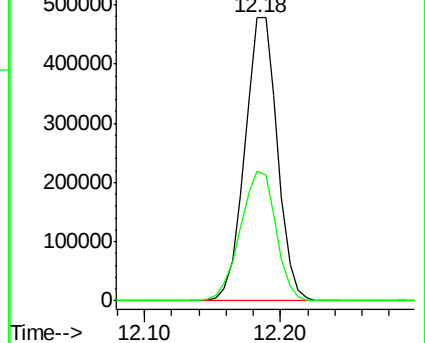
104 100

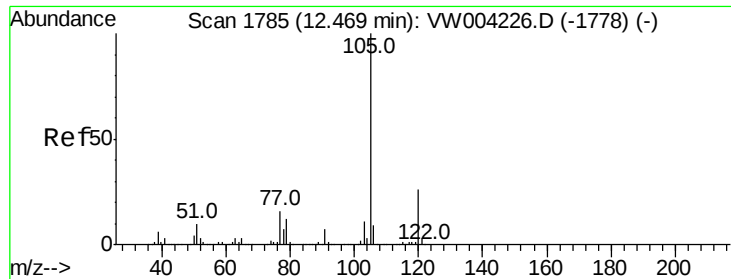
78 46.0 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 50.335 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampled :

VSTD05088

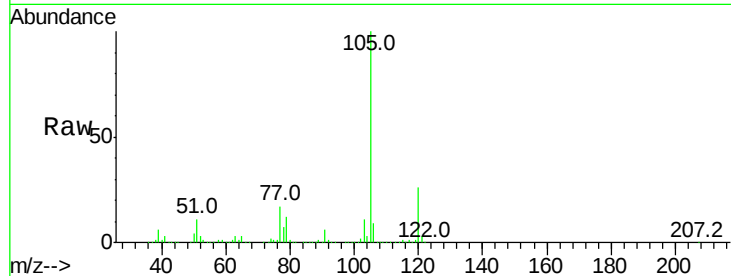
Tgt Ion:105 Resp: 1218866

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

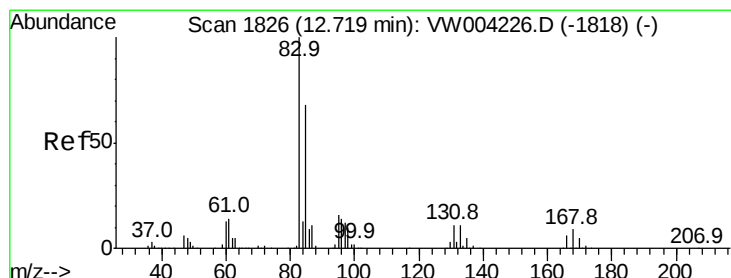
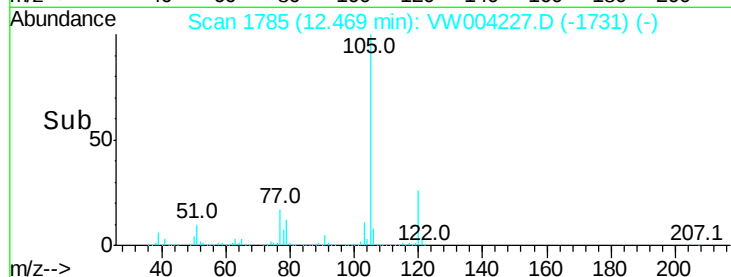
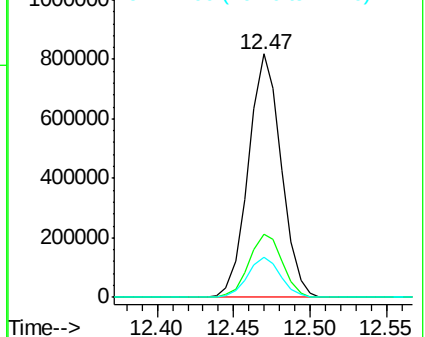
77 16.5 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.492 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

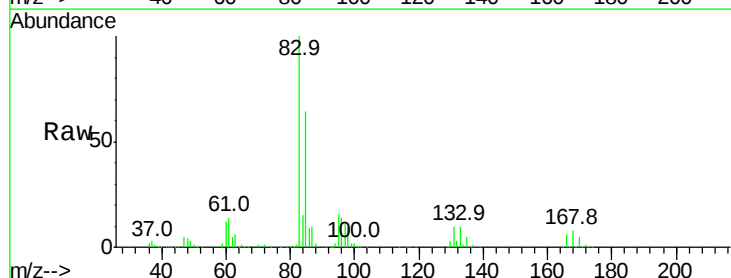
Tgt Ion: 83 Resp: 322544

Ion Ratio Lower Upper

83 100

85 63.5 47.7 88.7

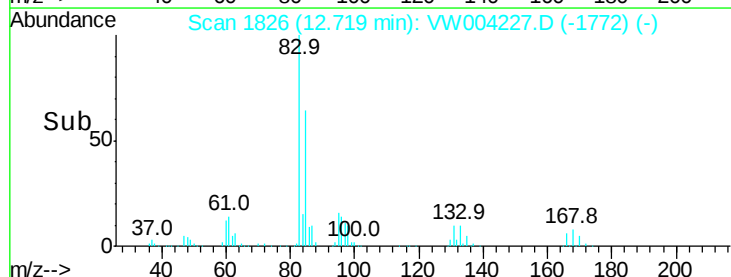
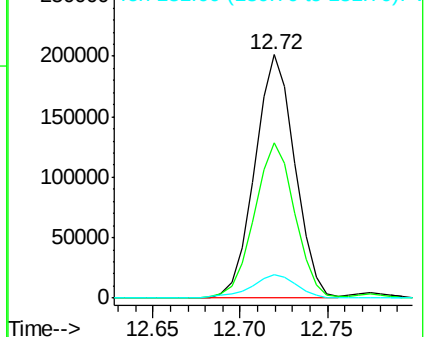
131 9.7 8.8 13.2

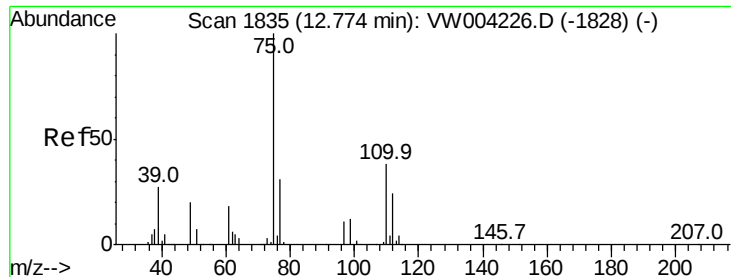


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.651 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

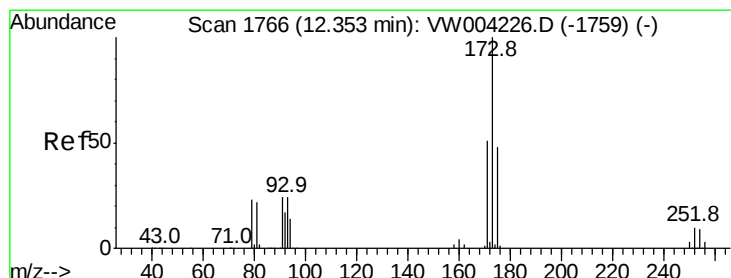
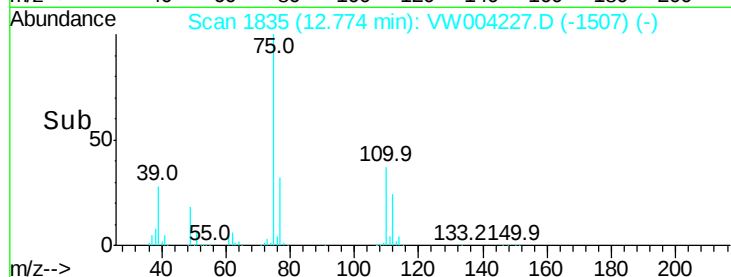
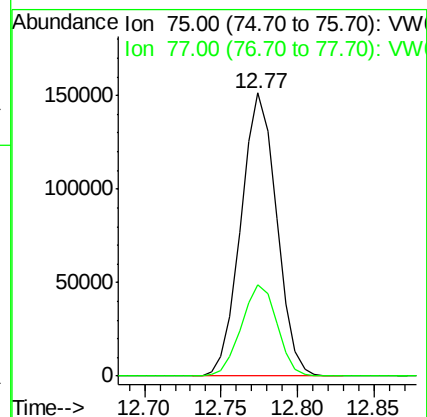
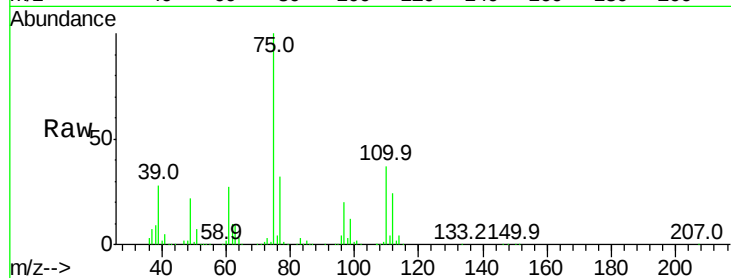
VSTD05088

Tgt Ion: 75 Resp: 245350

Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8



#62

Bromoform

Concen: 48.860 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

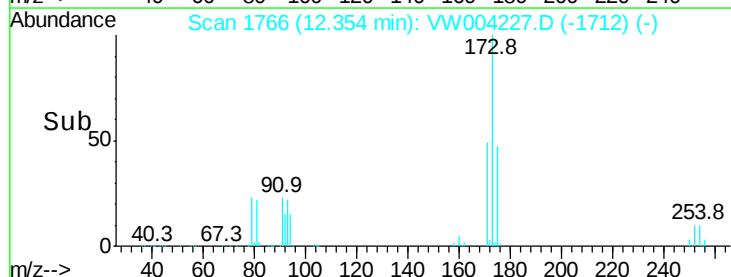
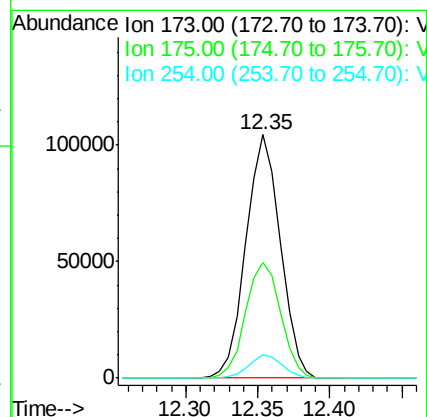
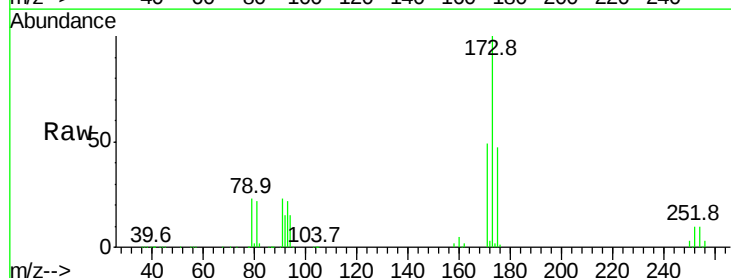
Tgt Ion: 173 Resp: 172735

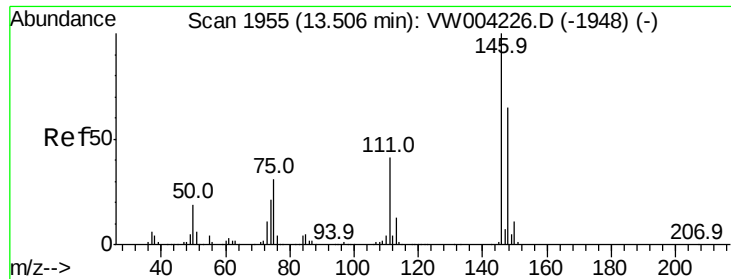
Ion Ratio Lower Upper

173 100

175 48.6 39.1 58.7

254 9.4 7.8 11.6

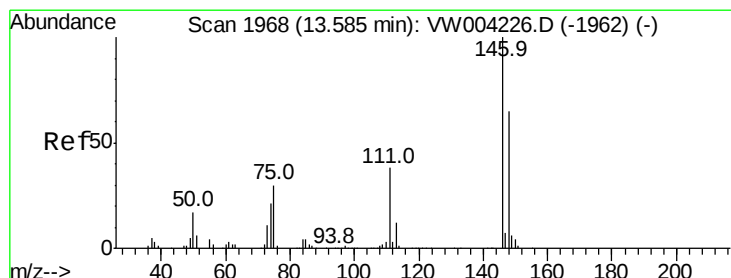
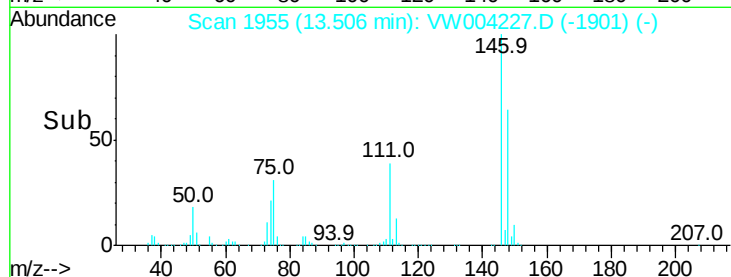
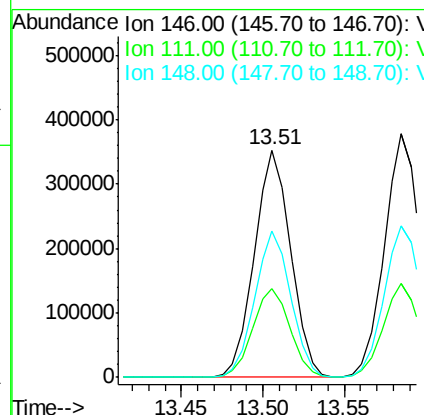
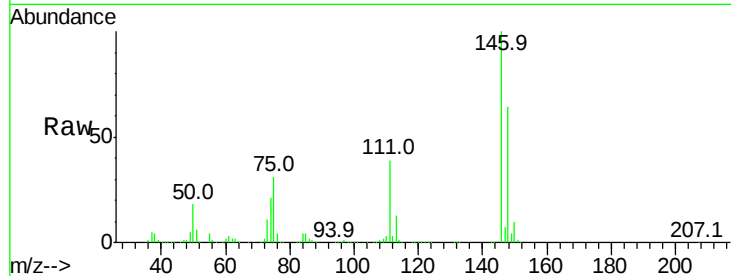




#63
 1,3-Dichlorobenzene
 Concen: 47.404 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004227.D
 Acq: 26 Jul 2018 13:14

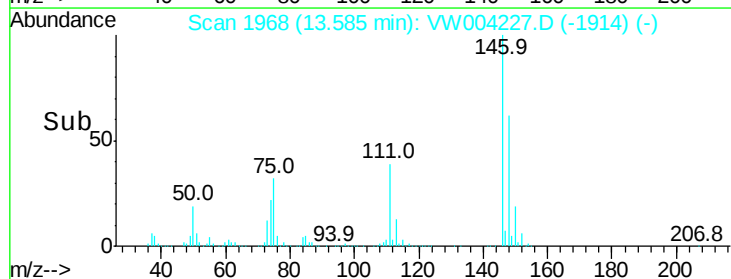
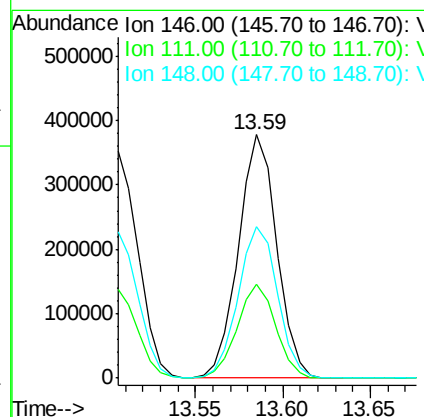
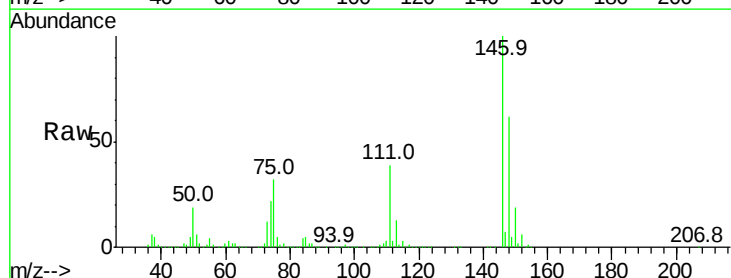
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05088

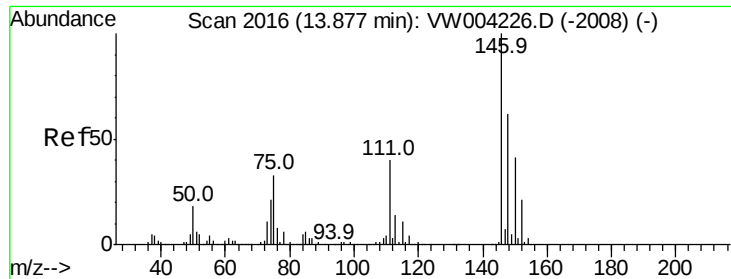
Tgt Ion:146 Resp: 546942
 Ion Ratio Lower Upper
 146 100
 111 39.2 29.0 53.8
 148 64.2 45.1 83.9



#64
 1,4-Dichlorobenzene
 Concen: 46.430 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004227.D
 Acq: 26 Jul 2018 13:14

Tgt Ion:146 Resp: 574398
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.9 50.1
 148 62.2 45.2 84.0

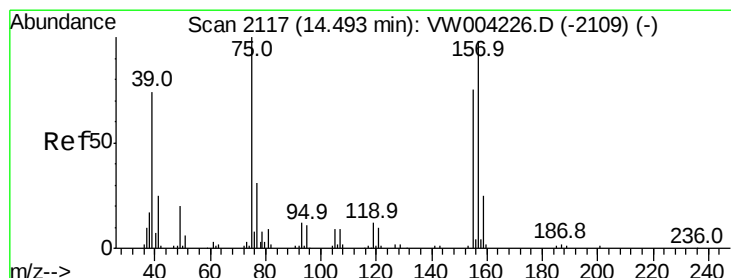
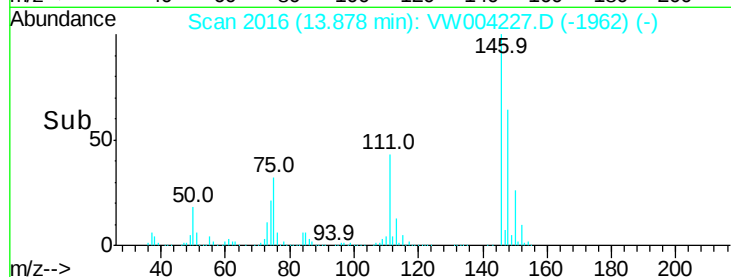
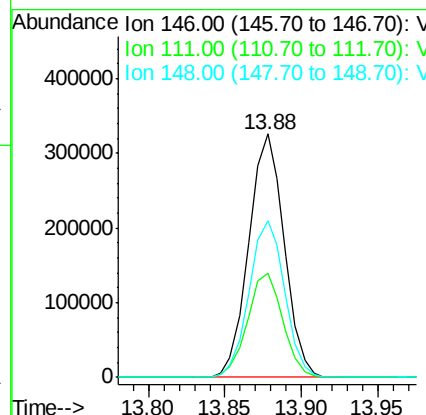
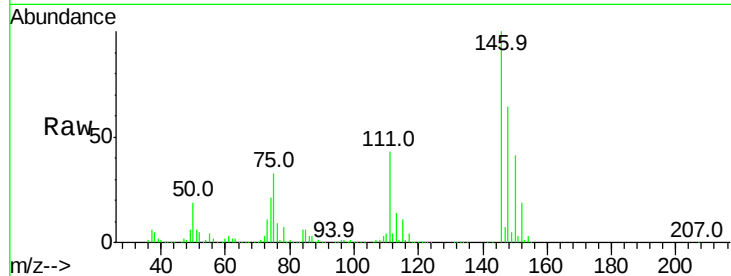




#65
 1,2-Dichlorobenzene
 Concen: 46.622 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004227.D
 Acq: 26 Jul 2018 13:14

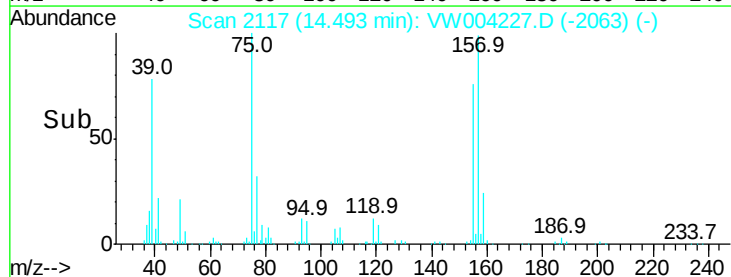
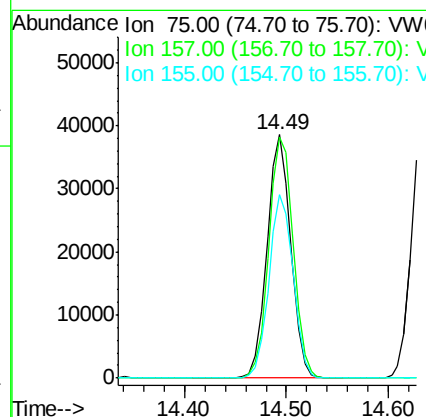
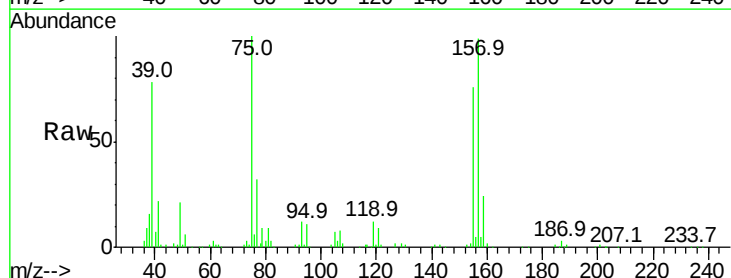
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05088

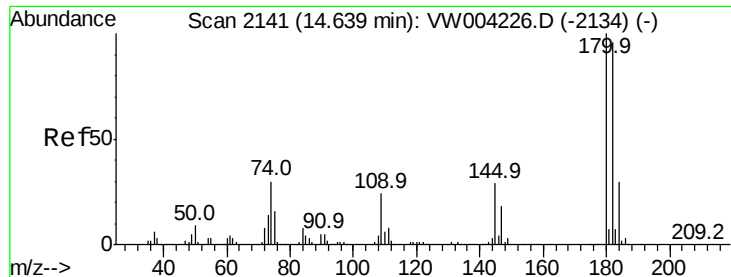
Tgt Ion: 146 Resp: 524206
 Ion Ratio Lower Upper
 146 100
 111 42.8 31.9 47.9
 148 64.3 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.377 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004227.D
 Acq: 26 Jul 2018 13:14

Tgt Ion: 75 Resp: 62104
 Ion Ratio Lower Upper
 75 100
 157 99.2 78.8 118.2
 155 75.5 60.2 90.4

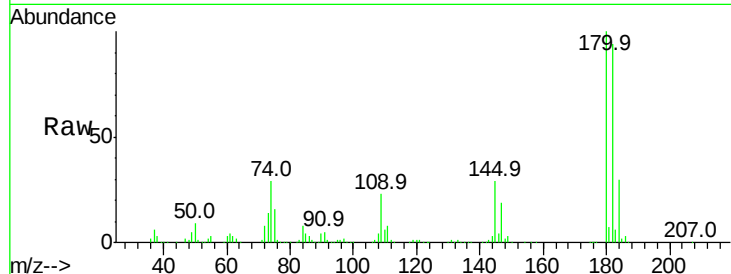




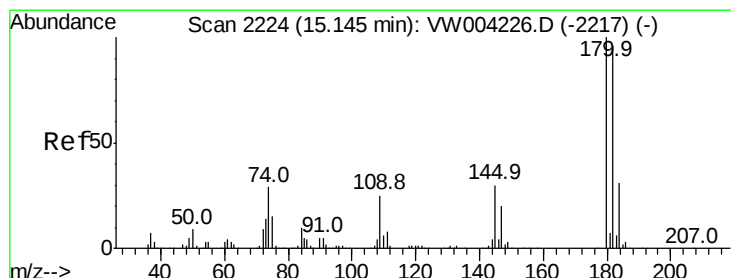
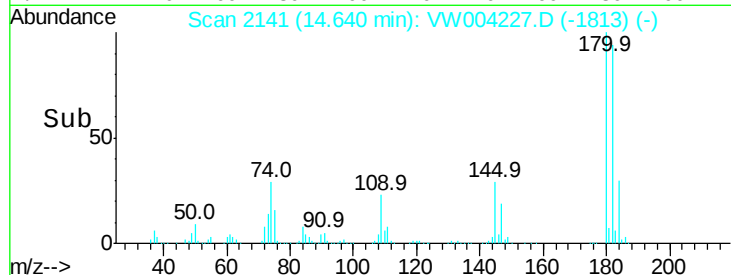
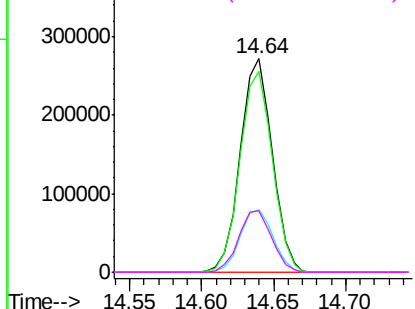
#67
 1,3,5-Trichlorobenzene
 Concen: 45.946 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004227.D
 Acq: 26 Jul 2018 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05088

Tgt Ion:180 Resp: 419193
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.4 116.2
 184 30.3 23.8 35.8
 145 29.9 23.8 35.6

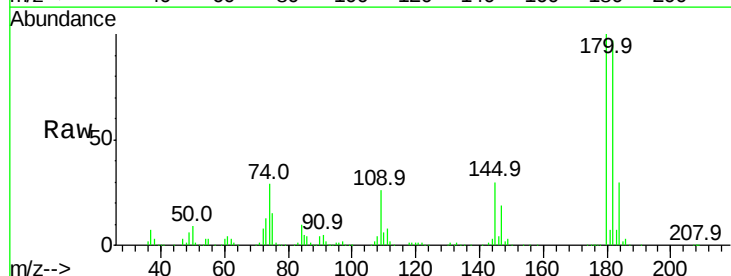


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

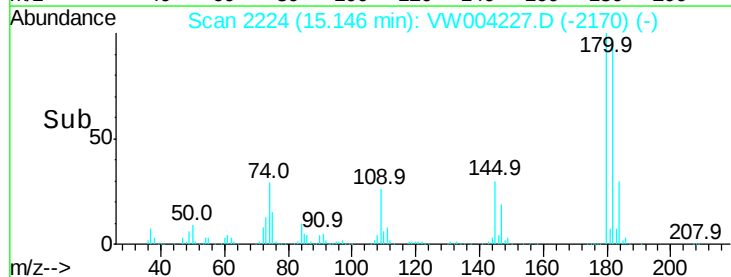
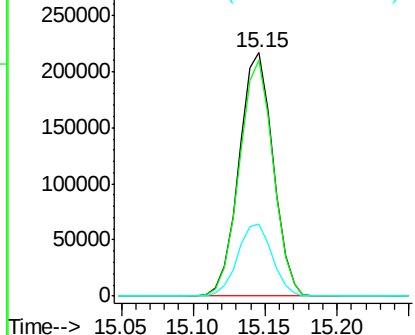


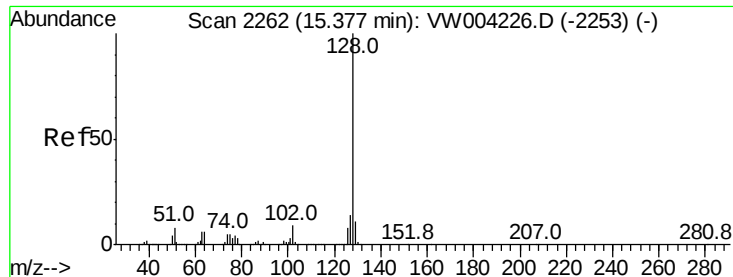
#68
 1,2,4-trichlorobenzene
 Concen: 48.462 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004227.D
 Acq: 26 Jul 2018 13:14

Tgt Ion:180 Resp: 354581
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.2 114.2
 145 30.0 24.1 36.1



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





#69

Naphthalene

Concen: 54.716 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD05088

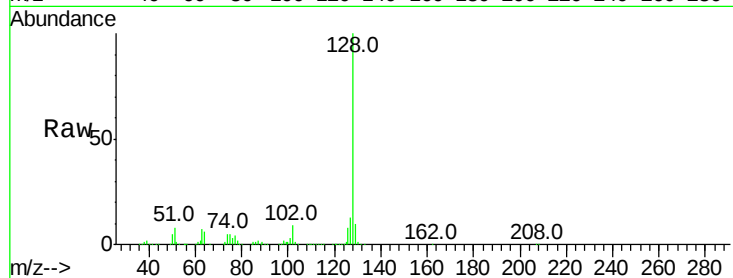
Tgt Ion:128 Resp: 901368

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

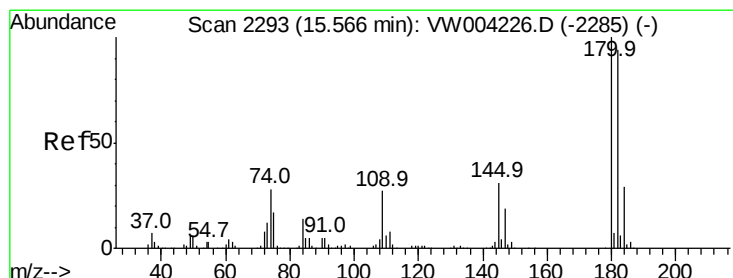
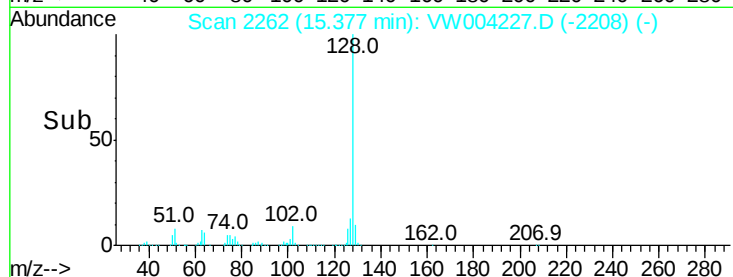
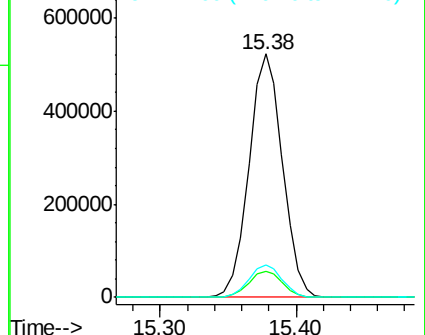
127 13.4 11.0 16.4



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: 49.489 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004227.D

Acq: 26 Jul 2018 13:14

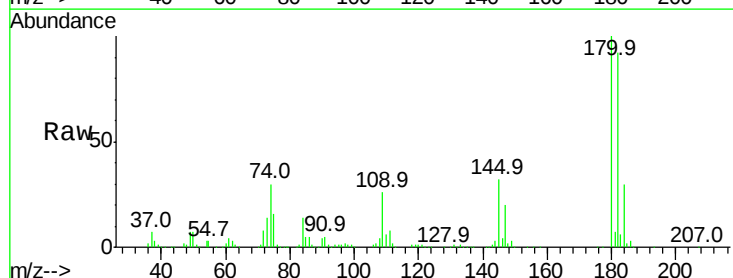
Tgt Ion:180 Resp: 344509

Ion Ratio Lower Upper

180 100

182 93.1 76.2 114.4

145 31.7 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

