

Data File : VW004228.D
Acq On : 26 Jul 2018 13:40
Operator : SY/AP
Sample : VSTD10089
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10089

Quant Time: Jul 26 14:02:10 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	411005	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	384739	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	197241	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	384112	94.47	ug/L	0.00
7) Chloroethane-d5	2.88	69	304423	103.89	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	996334	102.15	ug/L	0.00
20) 2-Butanone-d5	7.08	46	487447	204.47	ug/L	0.00
24) Chloroform-d	7.65	84	1058565	108.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	644527	109.70	ug/L	0.00
29) Benzene-d6	8.28	84	2151538	120.57	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	707157	118.80	ug/L	0.00
37) Toluene-d8	10.33	98	2069002	129.02	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	342336	130.88	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	413557	258.12	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	696346	106.78	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	761299	120.03	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	321915	122.330	ug/L	99
3) Chloromethane	2.21	50	329960	78.433	ug/L	99
5) Vinyl chloride	2.36	62	478157	75.481	ug/L	95
6) Bromomethane	2.76	94	288996	85.935	ug/L	99
8) Chloroethane	2.92	64	280493	84.462	ug/L	97
9) Trichlorofluoromethane	3.25	101	221904	70.308	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	493718	87.967	ug/L	98
12) 1,1-Dichloroethene	4.03	96	486805	88.979	ug/L	97
13) Acetone	4.12	43	421199	162.511	ug/L	99
14) Carbon disulfide	4.37	76	1533966	86.667	ug/L	100
15) Methyl Acetate	4.67	43	374748	84.755	ug/L	100
16) Methylene chloride	4.91	84	504440	63.976	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	1041915	98.470	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	519493	92.229	ug/L	99
19) 1,1-Dichloroethane	6.21	63	977046	91.176	ug/L	97
21) 2-Butanone	7.18	43	572466	178.014	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	585986	97.333	ug/L	99
23) Bromochloromethane	7.51	128	268209	94.748	ug/L	97
25) Chloroform	7.68	83	1001074	91.482	ug/L	99
27) 1,2-Dichloroethane	8.40	62	731492	90.698	ug/L	100
30) Cyclohexane	7.95	56	969444	103.314	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	755540	86.347	ug/L	99
32) Carbon tetrachloride	8.07	117	764948	90.611	ug/L	100
34) Benzene	8.32	78	2268866	96.205	ug/L	100
35) Trichloroethene	9.09	95	590515	93.584	ug/L	99
36) Methylcyclohexane	9.34	83	1069278	102.527	ug/L	98
40) 1,2-Dichloropropane	9.37	63	614027	96.043	ug/L	99
41) Bromodichloromethane	9.65	83	759076	96.432	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	973112	108.021	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	1138418	202.552	ug/L	99

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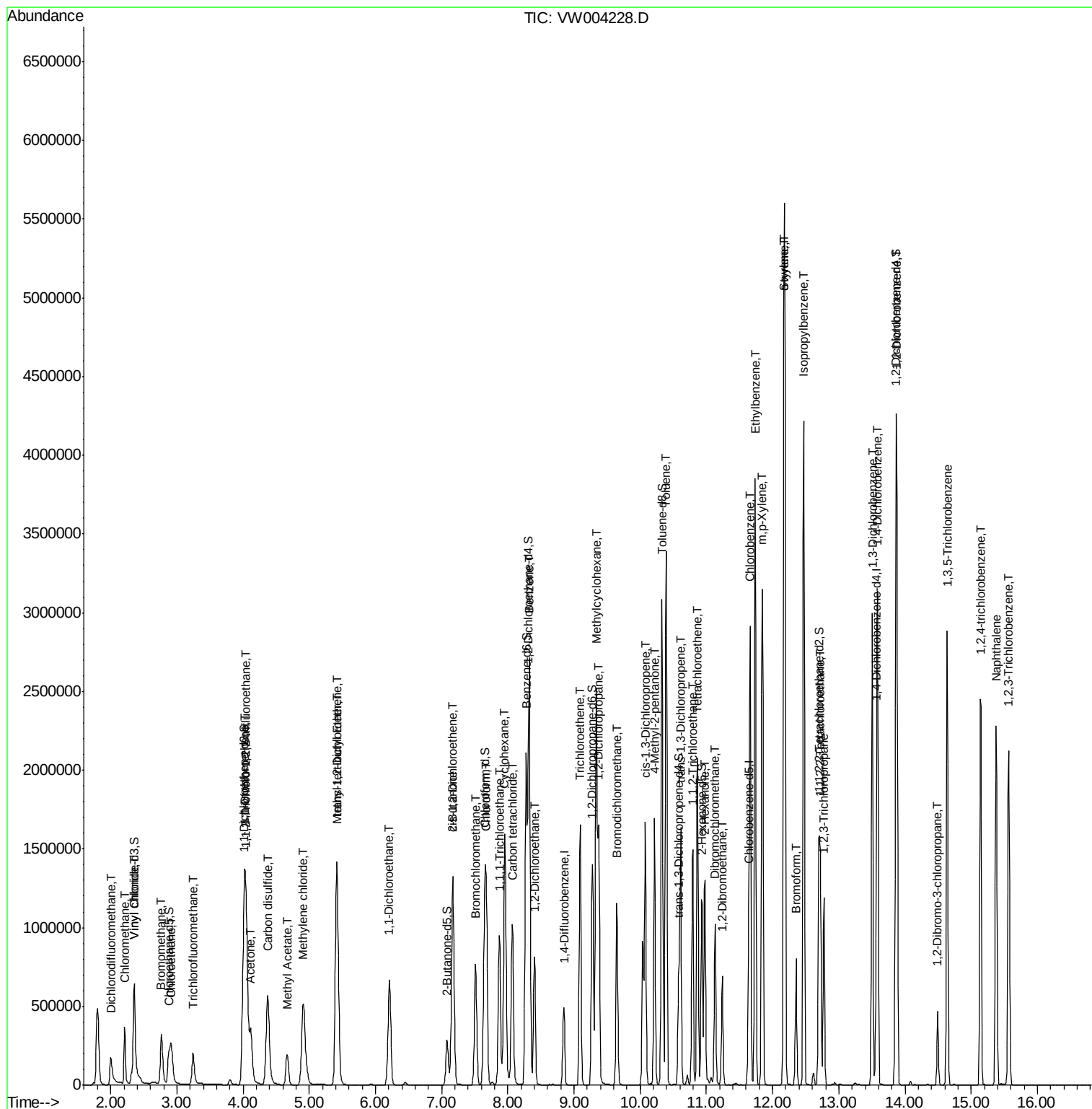
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2418200	97.854	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	868049	104.468	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	468653	94.319	ug/L	98
47) Tetrachloroethene	10.87	164	467290	91.822	ug/L	95
49) 2-Hexanone	10.98	43	857993	197.185	ug/L	98
50) Dibromochloromethane	11.13	129	558470	100.332	ug/L	100
51) 1,2-Dibromoethane	11.24	107	460772	94.948	ug/L	94
52) Chlorobenzene	11.66	112	1495830	94.404	ug/L	99
53) Ethylbenzene	11.74	91	2686988	100.446	ug/L	100
54) m,p-Xylene	11.84	106	1011226	102.566	ug/L	96
55) o-xylene	12.17	106	984387	104.385	ug/L	99
56) Styrene	12.18	104	1712674	105.130	ug/L	96
57) Isopropylbenzene	12.47	105	2701013	104.466	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	655922	92.355	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	494699	89.982	ug/L	98
62) Bromoform	12.35	173	367524	98.735	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	1191824	98.107	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	1212710	93.101	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	1140166	96.309	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	119271	86.415	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	898732	93.556	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	788264	102.323	ug/L	99
69) Naphthalene	15.38	128	1877659	108.253	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	719833	98.208	ug/L	99

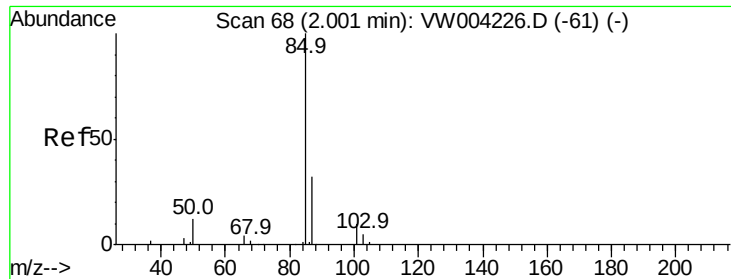
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 122.330 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampled :

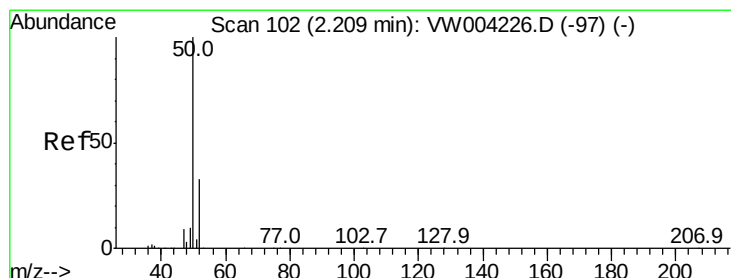
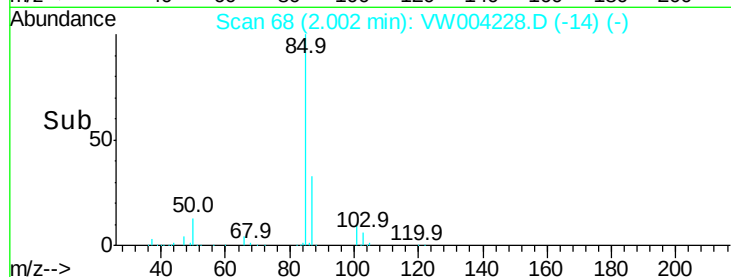
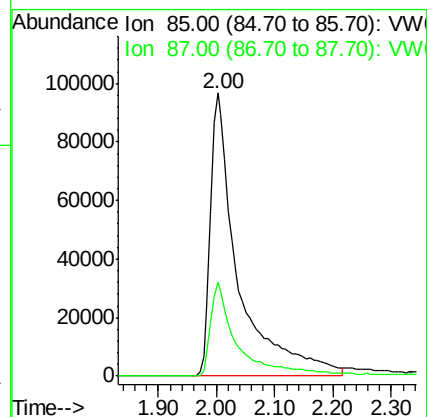
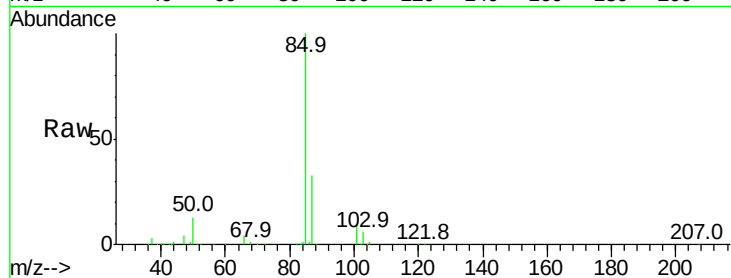
VSTD10089

Tgt Ion: 85 Resp: 321915

Ion Ratio Lower Upper

85 100

87 31.9 22.7 42.3



#3

Chloromethane

Concen: 78.433 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004228.D

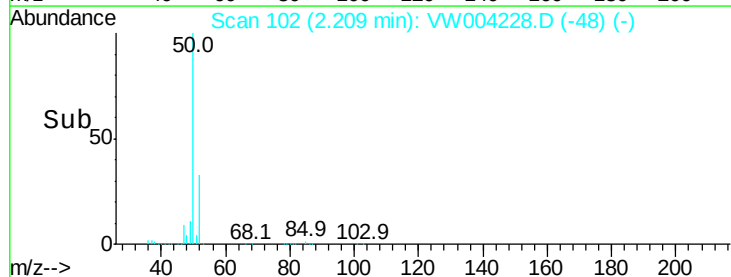
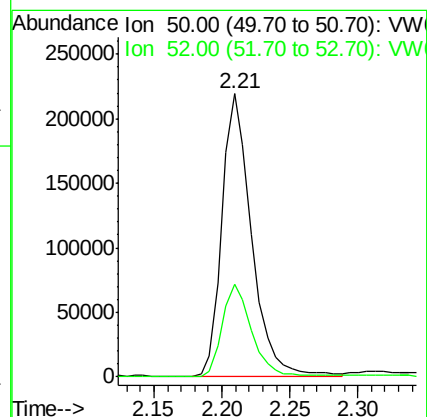
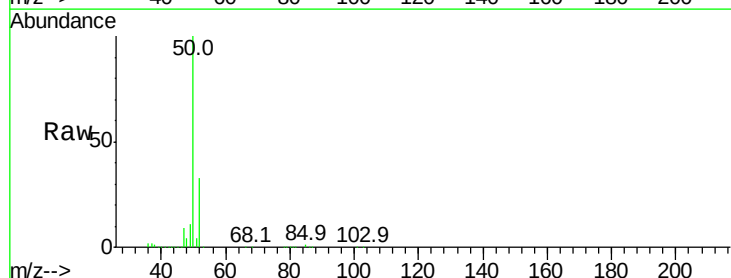
Acq: 26 Jul 2018 13:40

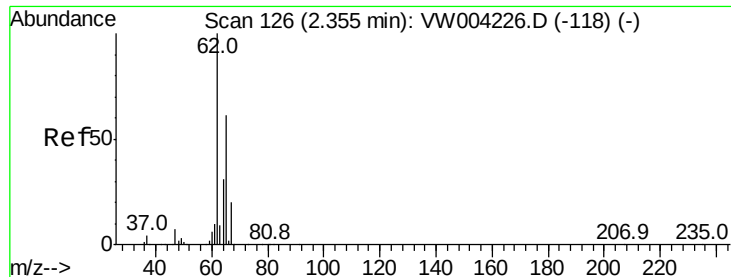
Tgt Ion: 50 Resp: 329960

Ion Ratio Lower Upper

50 100

52 32.7 23.2 43.2





#5

Vinyl chloride

Concen: 75.481 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

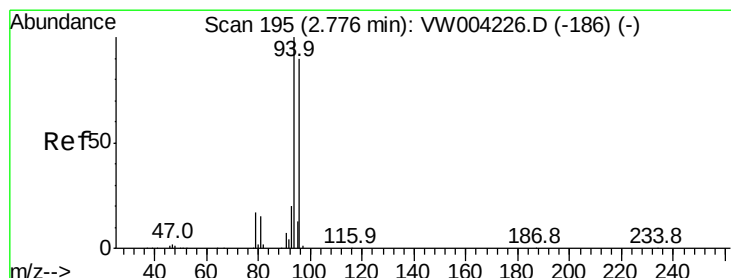
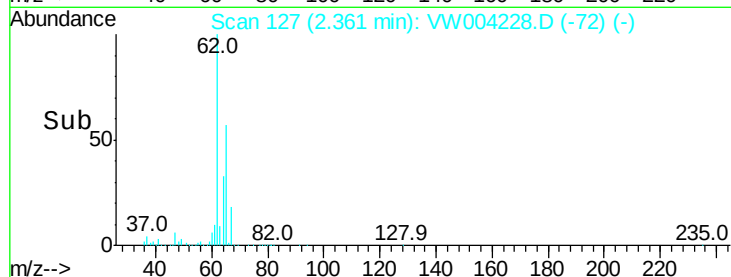
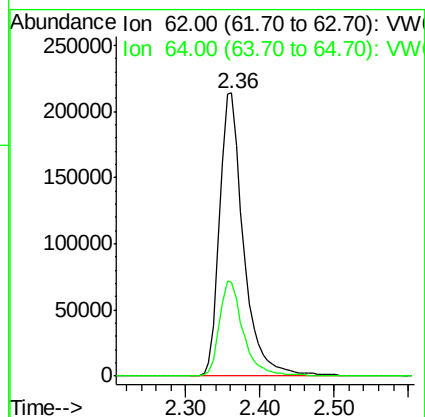
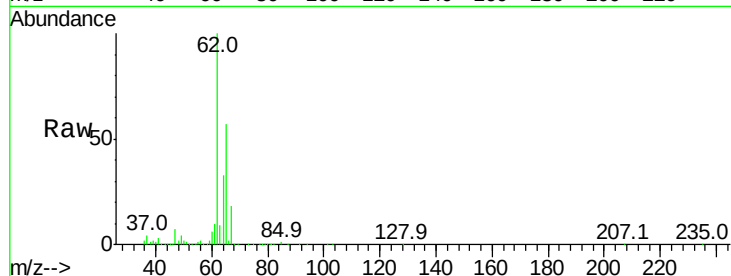
VSTD10089

Tgt Ion: 62 Resp: 478157

Ion Ratio Lower Upper

62 100

64 33.4 21.4 39.8



#6

Bromomethane

Concen: 85.935 ug/L

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW004228.D

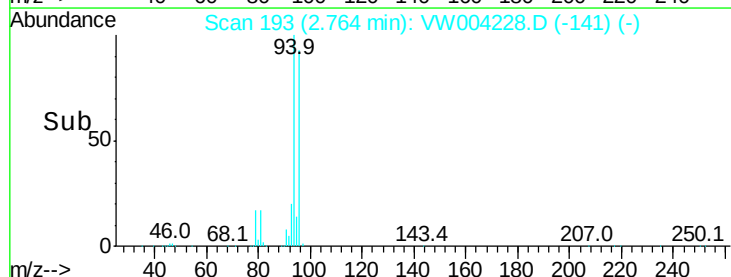
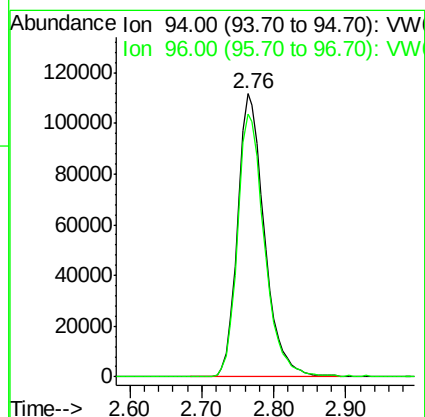
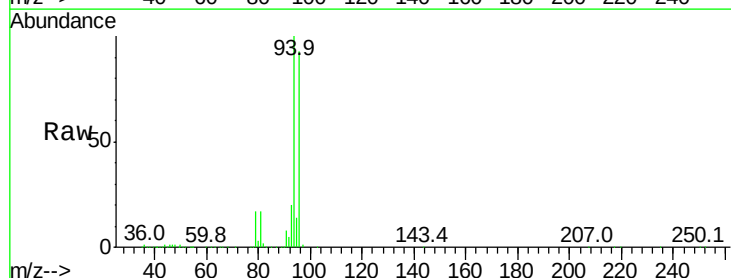
Acq: 26 Jul 2018 13:40

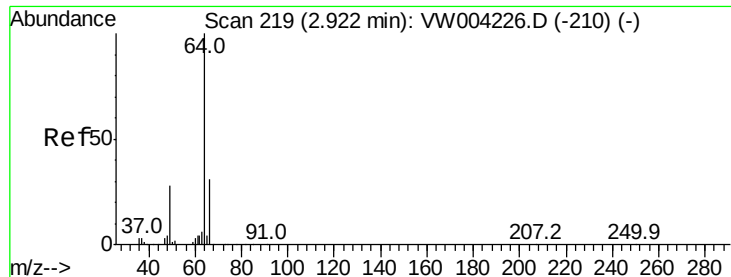
Tgt Ion: 94 Resp: 288996

Ion Ratio Lower Upper

94 100

96 93.1 9.2 175.6





#8

Chloroethane

Concen: 84.462 ug/L

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

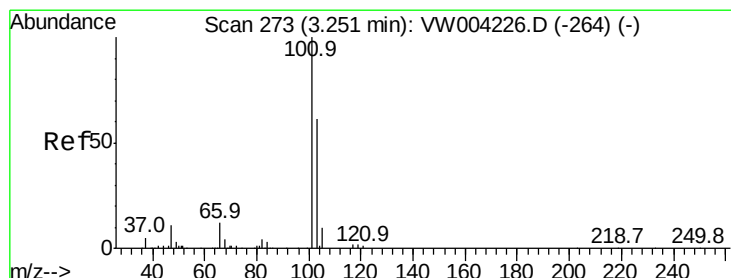
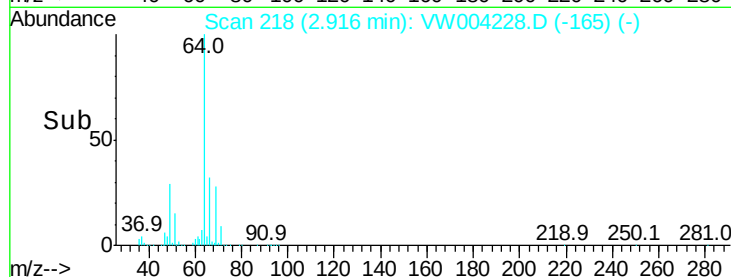
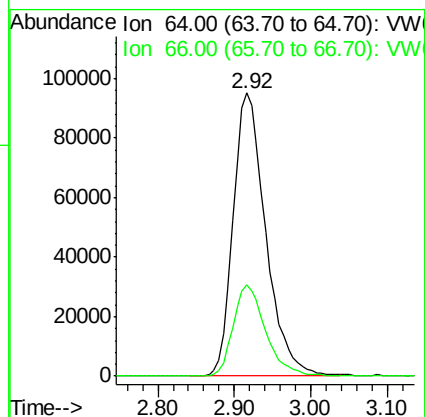
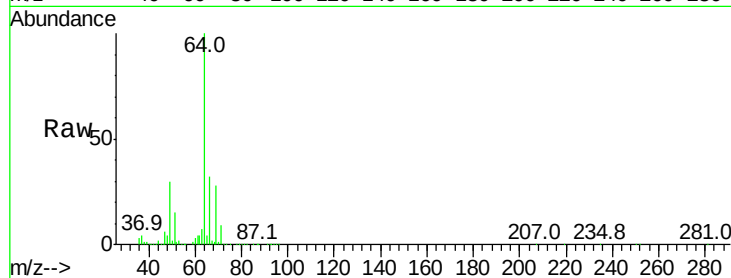
VSTD10089

Tgt Ion: 64 Resp: 280493

Ion Ratio Lower Upper

64 100

66 32.4 21.6 40.2



#9

Trichlorofluoromethane

Concen: 70.308 ug/L

RT: 3.25 min Scan# 272

Delta R.T. -0.01 min

Lab File: VW004228.D

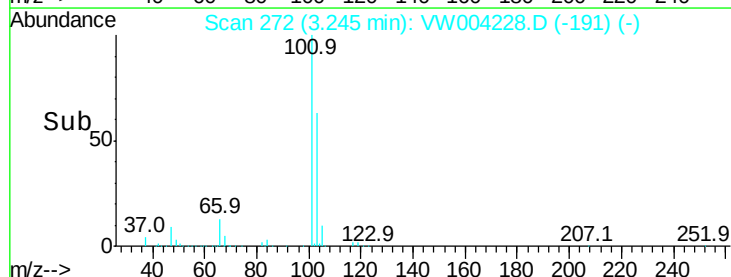
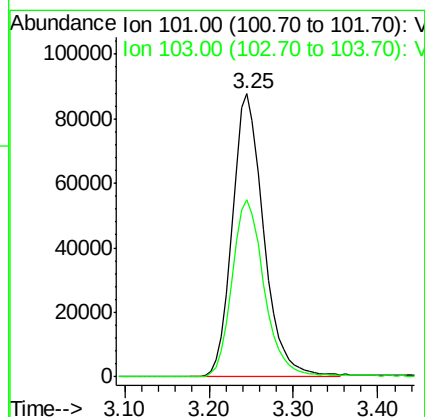
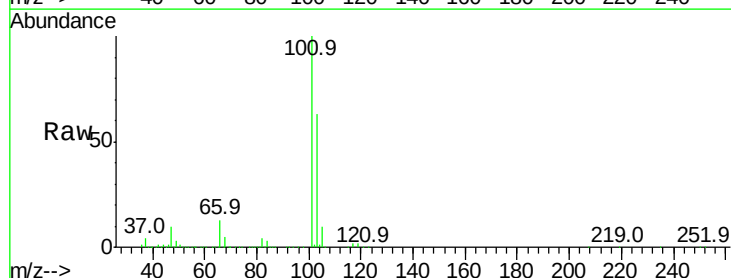
Acq: 26 Jul 2018 13:40

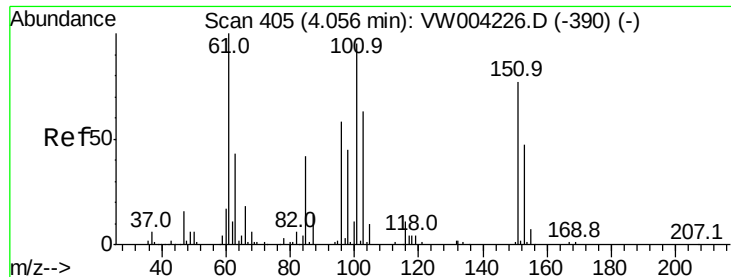
Tgt Ion: 101 Resp: 221904

Ion Ratio Lower Upper

101 100

103 63.6 44.6 82.8





#11

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

Concen: 87.967 ug/L

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10089

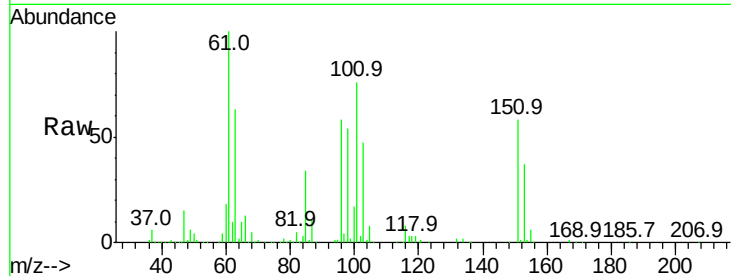
Tgt Ion:101 Resp: 493718

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.8

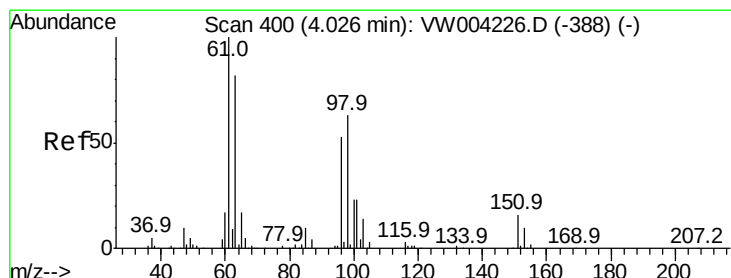
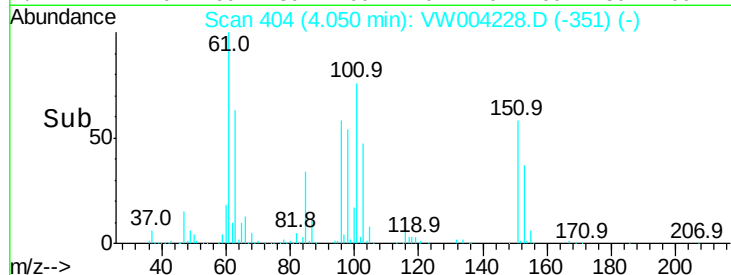
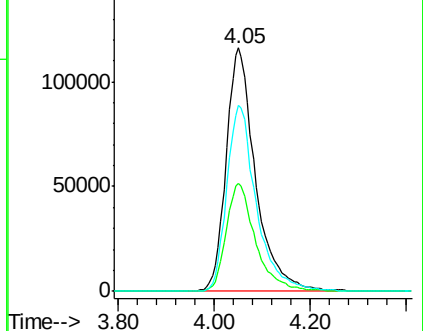
151 77.1 63.4 95.2



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: 88.979 ug/L

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

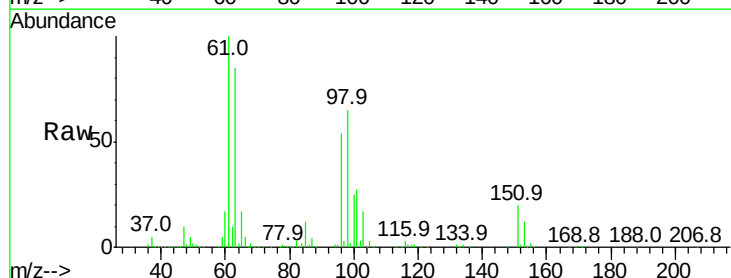
Tgt Ion: 96 Resp: 486805

Ion Ratio Lower Upper

96 100

61 183.9 133.1 247.3

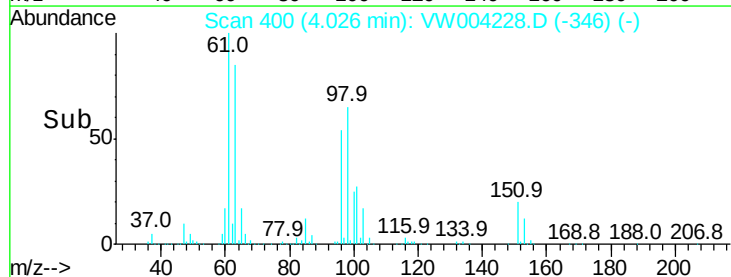
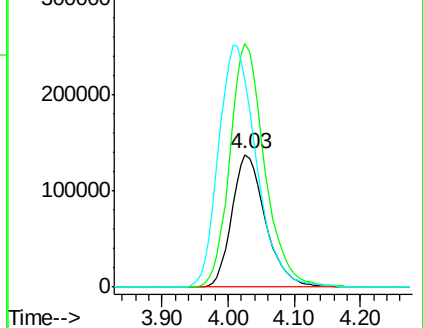
63 156.9 111.7 207.5

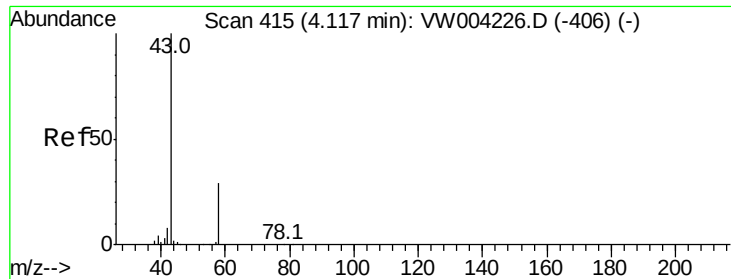


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

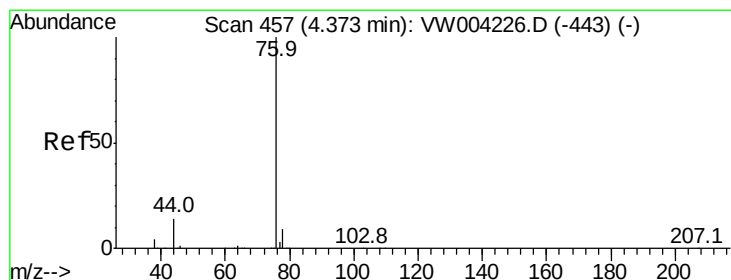
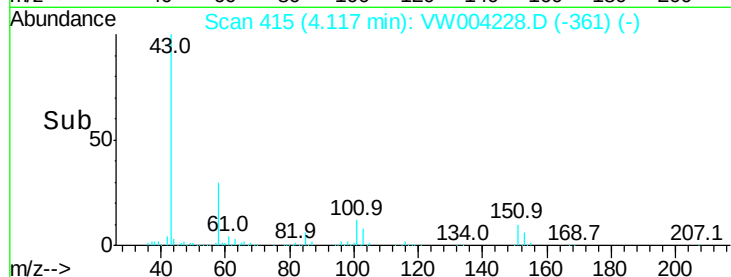
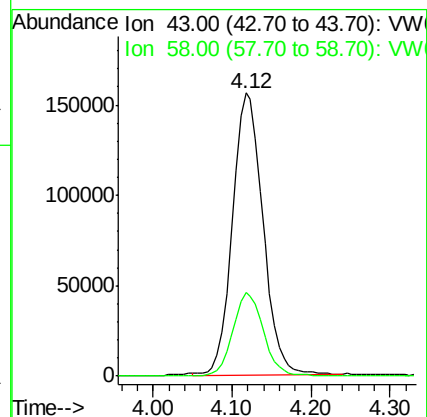
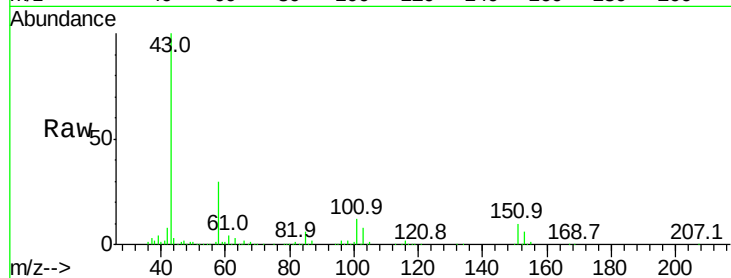




#13
Acetone
Concen: 162.511 ug/L
RT: 4.12 min Scan# 415
Delta R.T. 0.00 min
Lab File: VW004228.D
Acq: 26 Jul 2018 13:40

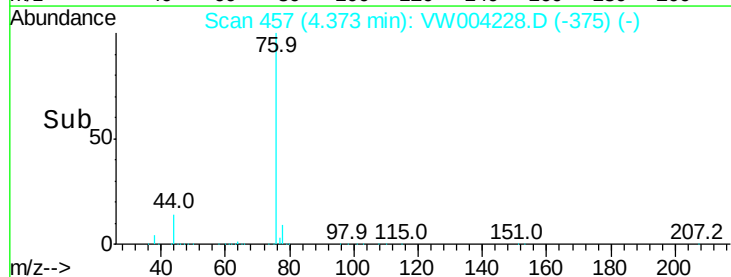
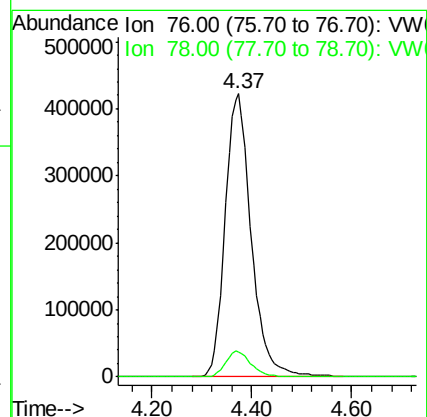
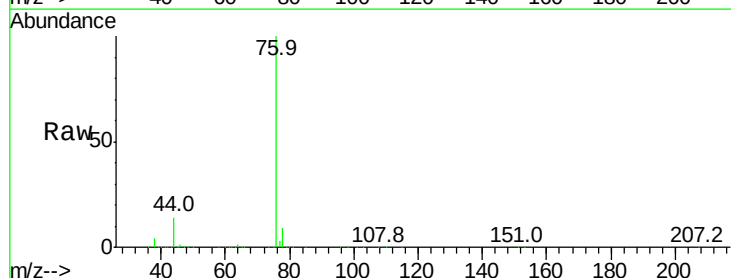
Instrument :
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VSTD10089

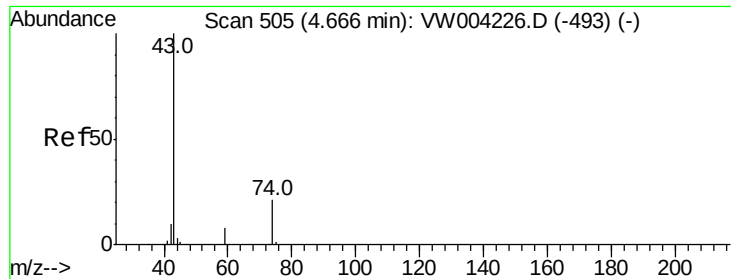
Tgt Ion: 43 Resp: 421199
Ion Ratio Lower Upper
43 100
58 29.1 0.0 59.8



#14
Carbon disulfide
Concen: 86.667 ug/L
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW004228.D
Acq: 26 Jul 2018 13:40

Tgt Ion: 76 Resp: 1533966
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6





#15

Methyl Acetate

Concen: 84.755 ug/L

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

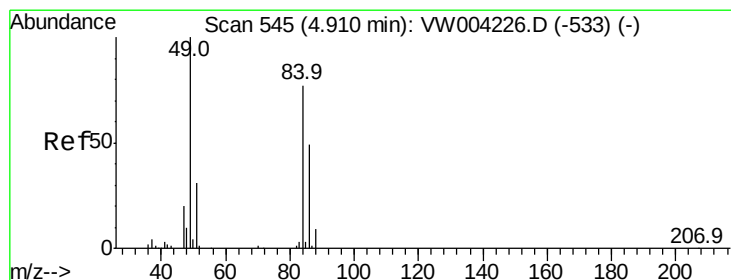
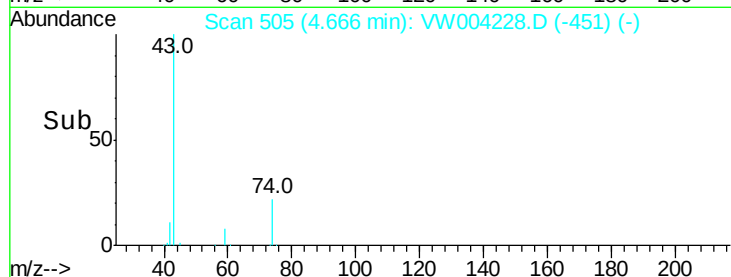
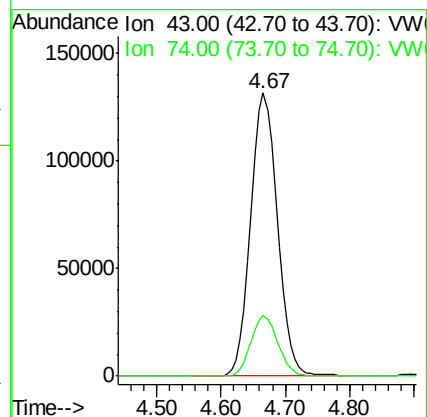
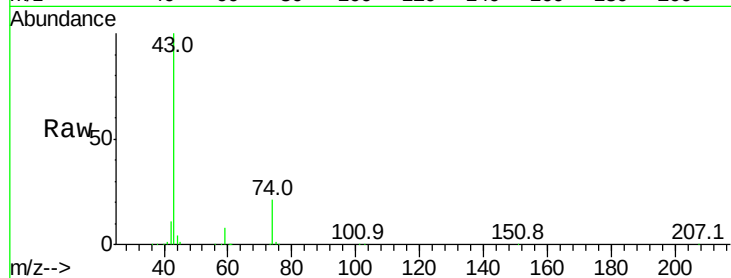
VSTD10089

Tgt Ion: 43 Resp: 374748

Ion Ratio Lower Upper

43 100

74 21.5 17.0 25.6



#16

Methylene chloride

Concen: 63.976 ug/L

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

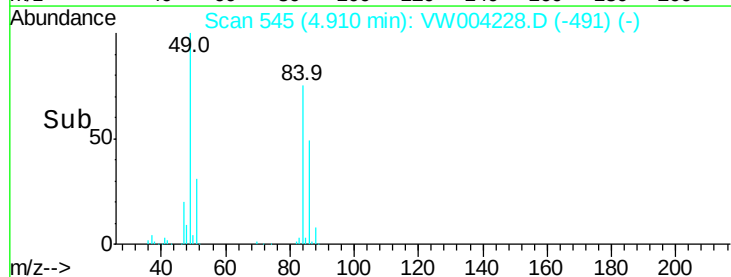
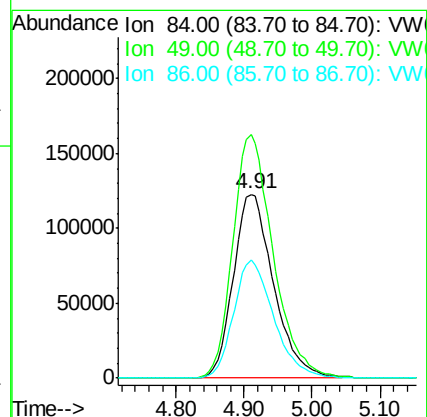
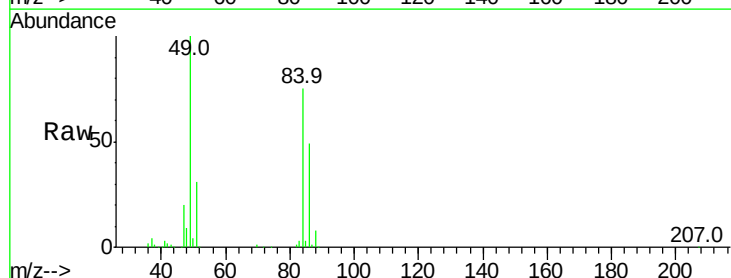
Tgt Ion: 84 Resp: 504440

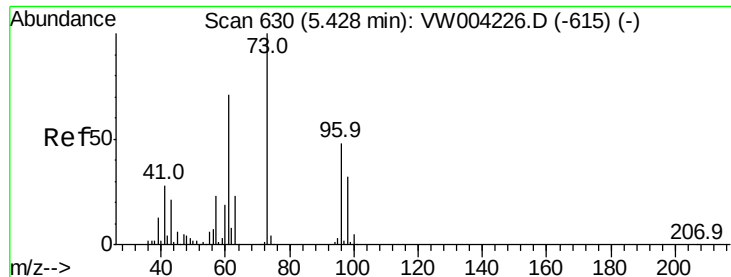
Ion Ratio Lower Upper

84 100

49 132.6 90.9 168.7

86 64.6 44.4 82.5

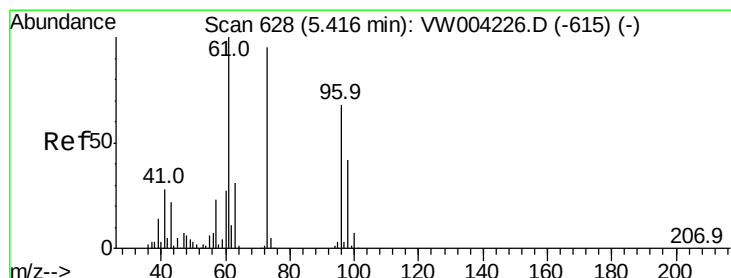
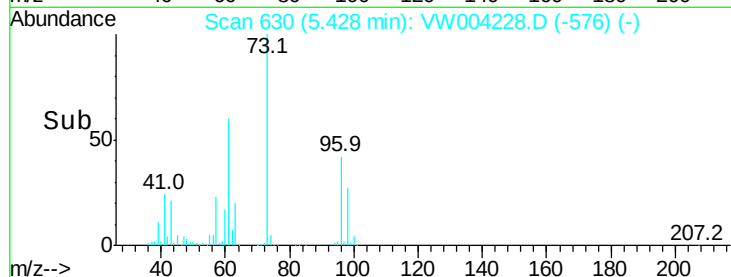
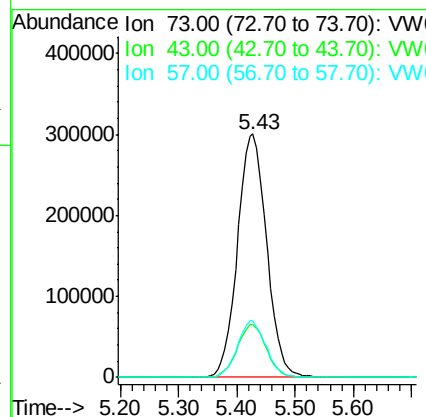
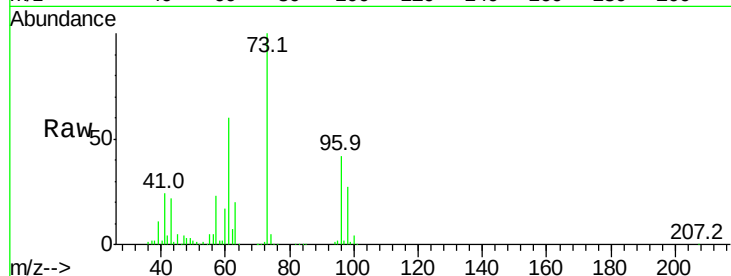




#17
Methyl tert-butyl Ether
Concen: 98.470 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004228.D
Acq: 26 Jul 2018 13:40

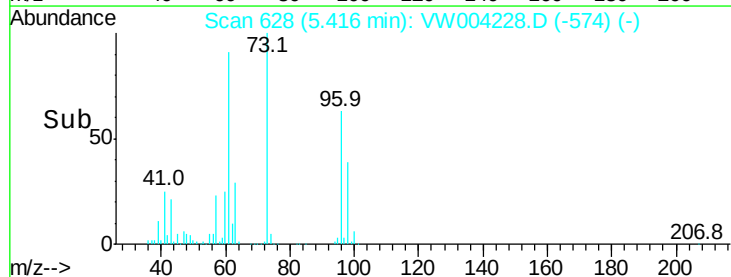
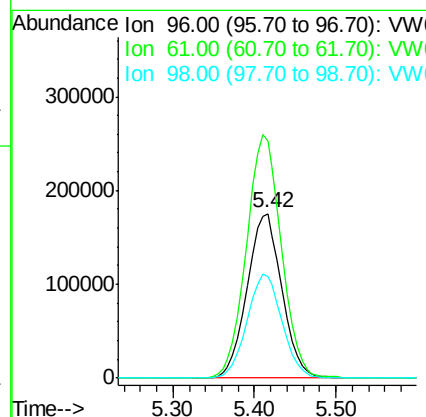
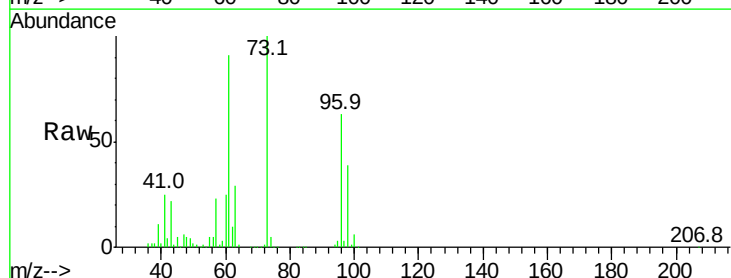
Instrument :
MSVOA_W
ClientSampleId :
VSTD10089

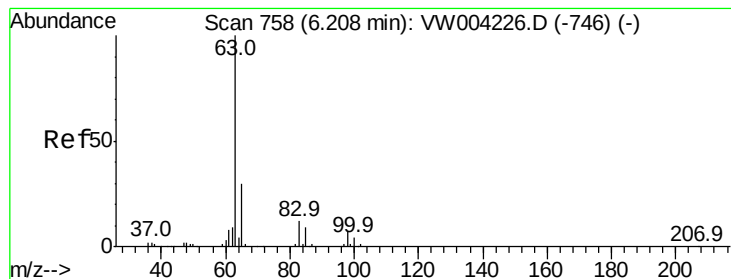
Tgt Ion: 73 Resp: 1041915
Ion Ratio Lower Upper
73 100
43 21.6 17.8 26.6
57 22.9 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 92.229 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004228.D
Acq: 26 Jul 2018 13:40

Tgt Ion: 96 Resp: 519493
Ion Ratio Lower Upper
96 100
61 144.1 102.4 190.2
98 61.7 43.1 80.1





#19

1,1-Dichloroethane

Concen: 91.176 ug/L

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10089

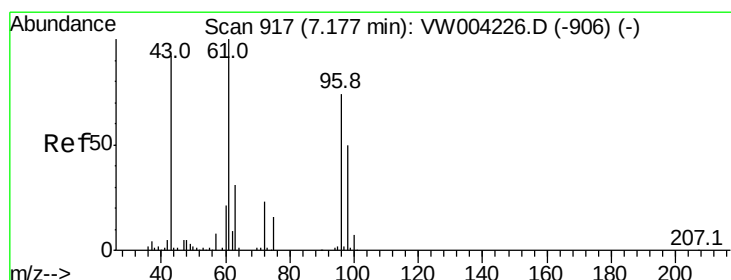
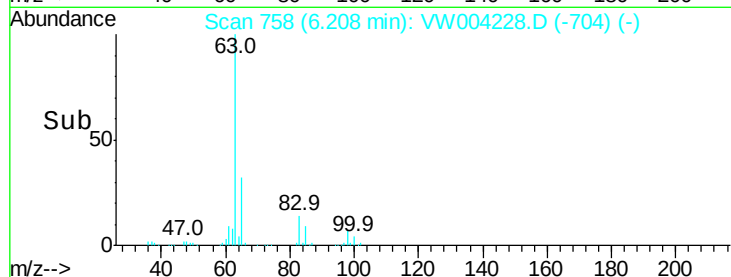
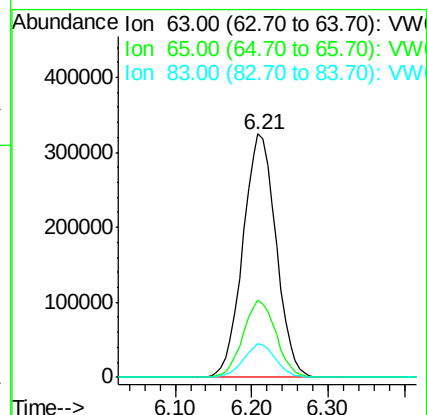
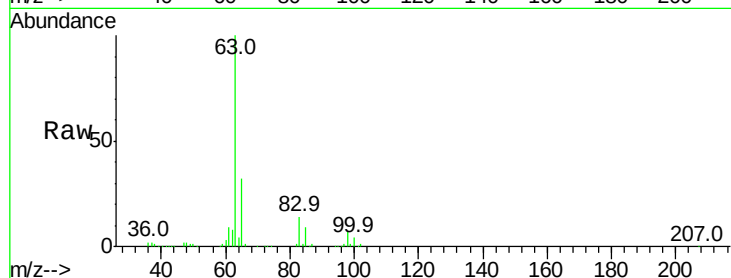
Tgt Ion: 63 Resp: 977046

Ion Ratio Lower Upper

63 100

65 31.8 21.3 39.6

83 13.6 8.6 16.0



#21

2-Butanone

Concen: 178.014 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004228.D

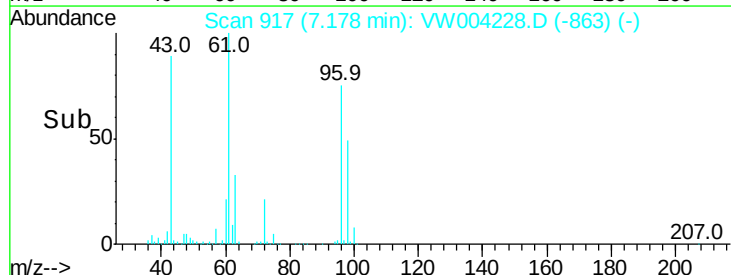
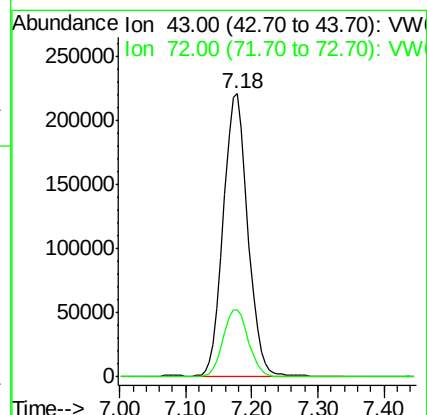
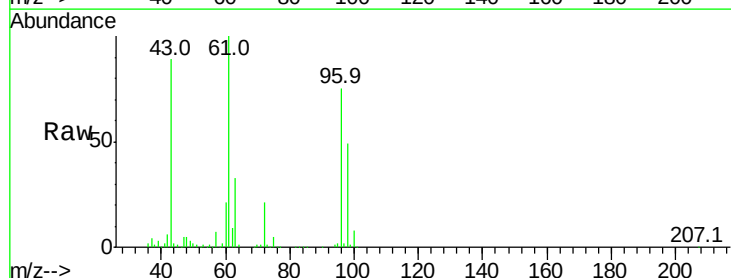
Acq: 26 Jul 2018 13:40

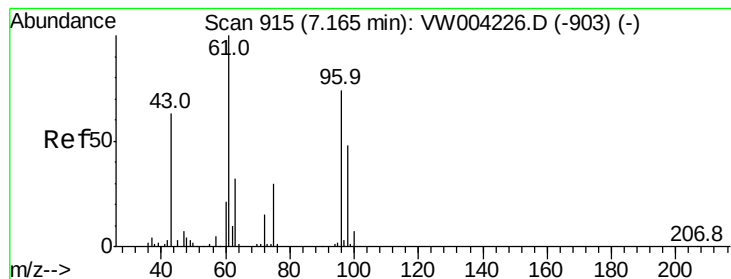
Tgt Ion: 43 Resp: 572466

Ion Ratio Lower Upper

43 100

72 24.5 12.3 36.9





#22

cis-1,2-Dichloroethene

Concen: 97.333 ug/L

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10089

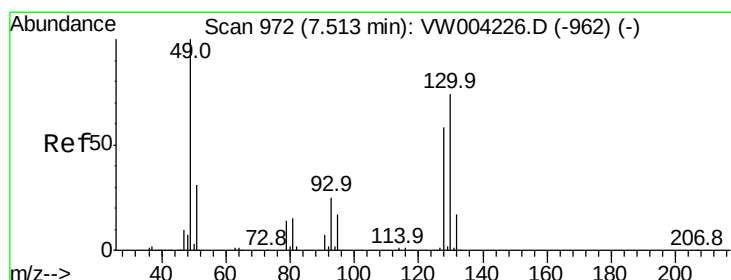
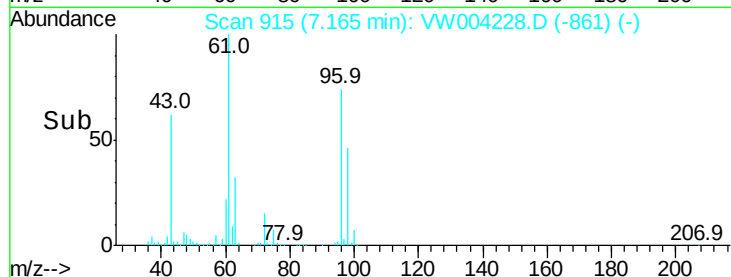
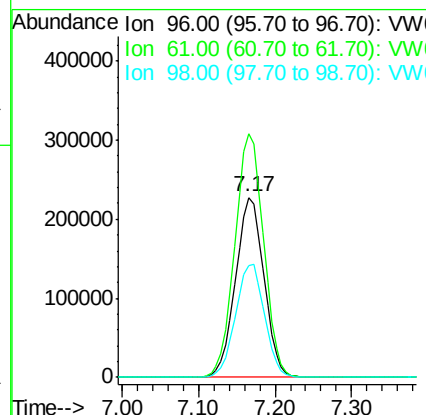
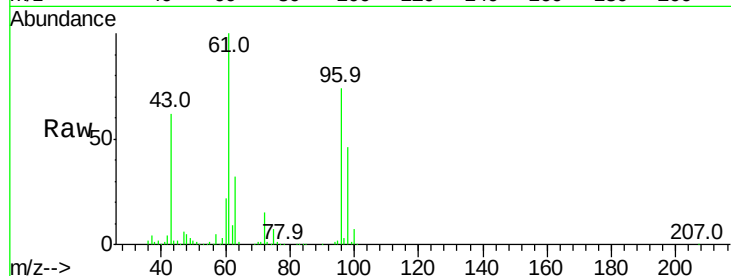
Tgt Ion: 96 Resp: 585986

Ion Ratio Lower Upper

96 100

61 135.2 95.1 176.7

98 62.4 45.2 84.0



#23

Bromochloromethane

Concen: 94.748 ug/L

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Tgt Ion: 128 Resp: 268209

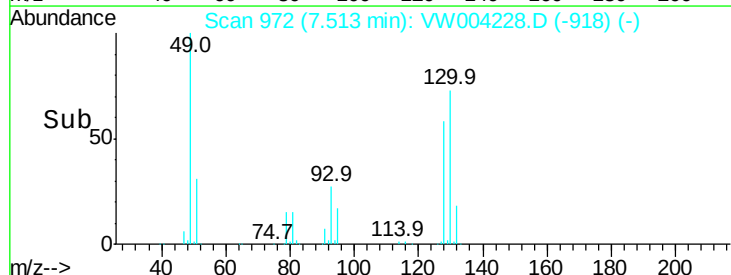
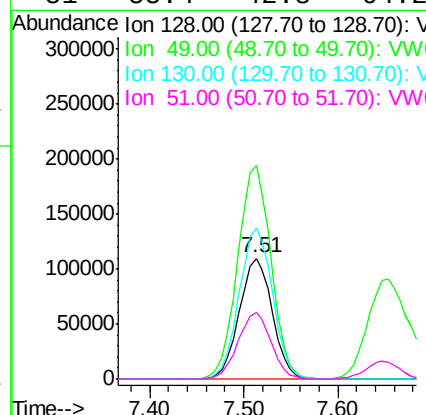
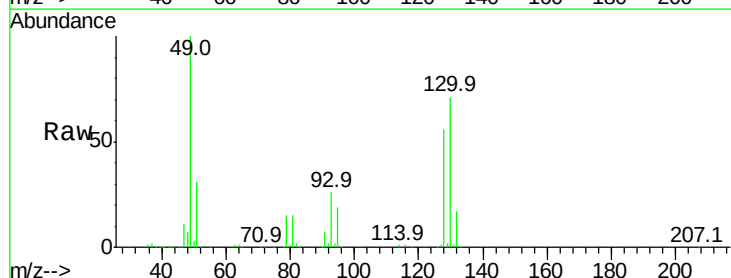
Ion Ratio Lower Upper

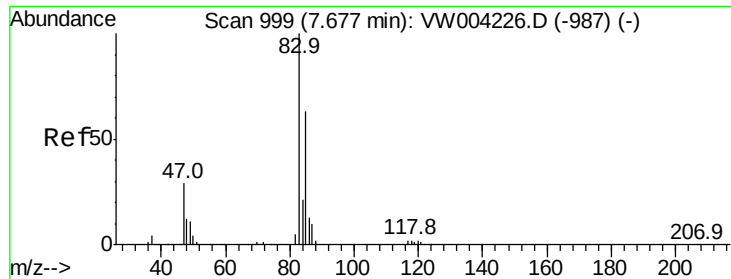
128 100

49 177.5 120.5 223.7

130 125.7 88.5 164.4

51 55.4 42.8 64.2





#25

Chloroform

Concen: 91.482 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

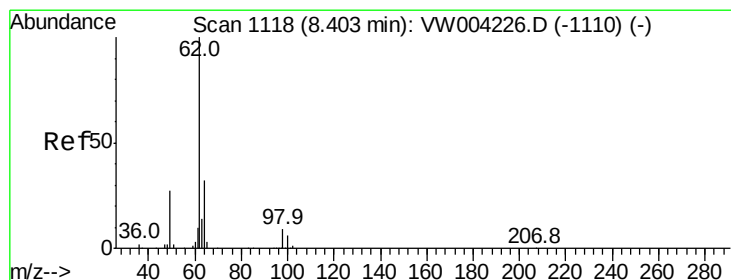
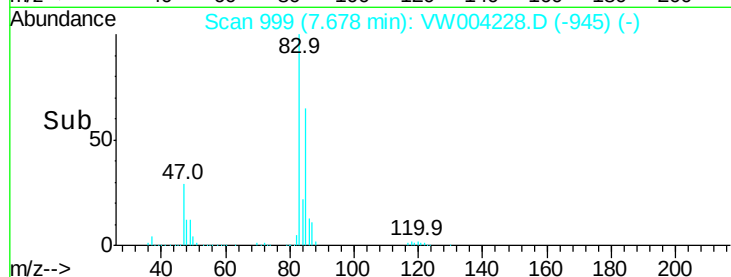
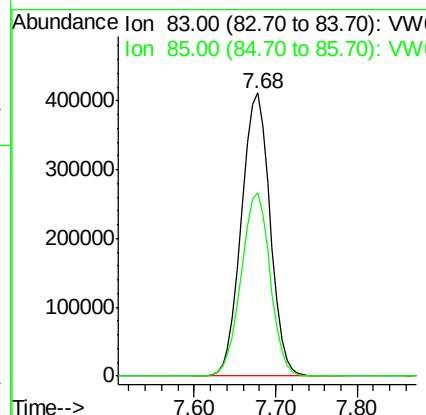
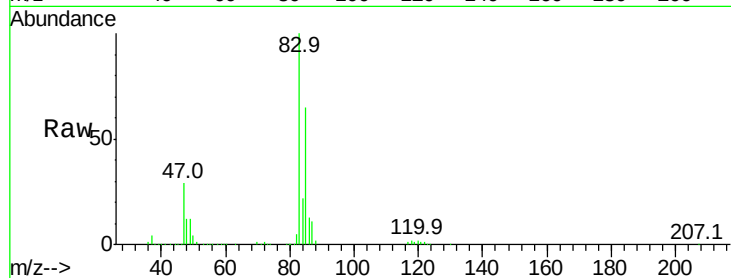
VSTD10089

Tgt Ion: 83 Resp: 1001074

Ion Ratio Lower Upper

83 100

85 65.4 45.5 84.5



#27

1,2-Dichloroethane

Concen: 90.698 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004228.D

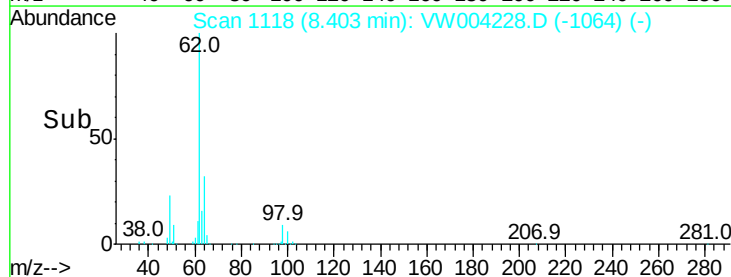
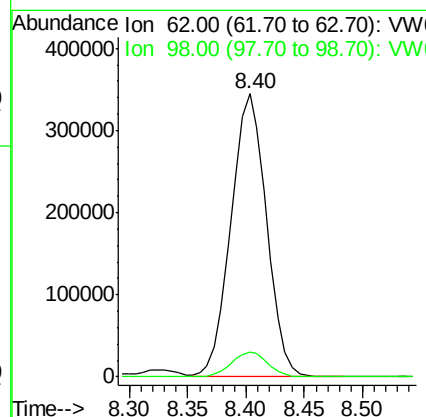
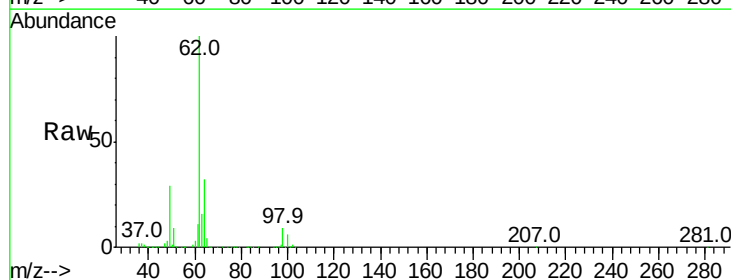
Acq: 26 Jul 2018 13:40

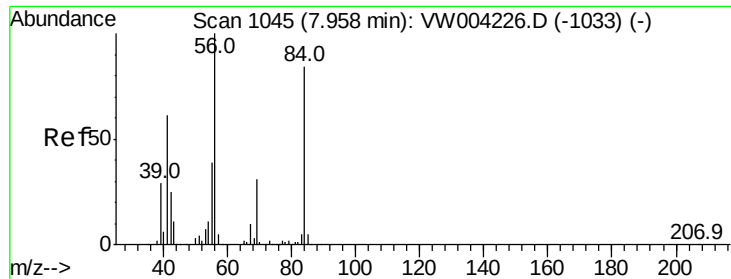
Tgt Ion: 62 Resp: 731492

Ion Ratio Lower Upper

62 100

98 8.6 7.0 10.4

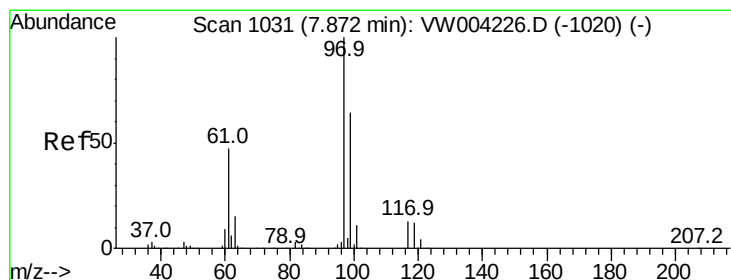
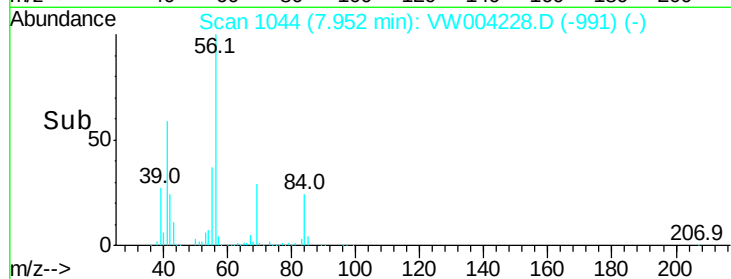
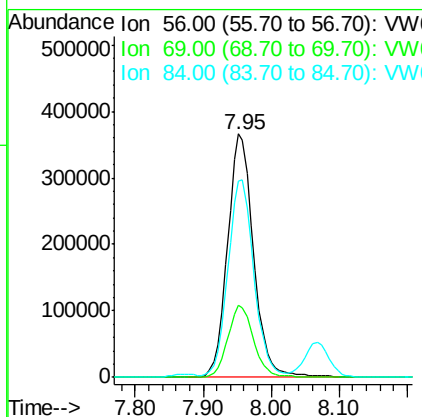
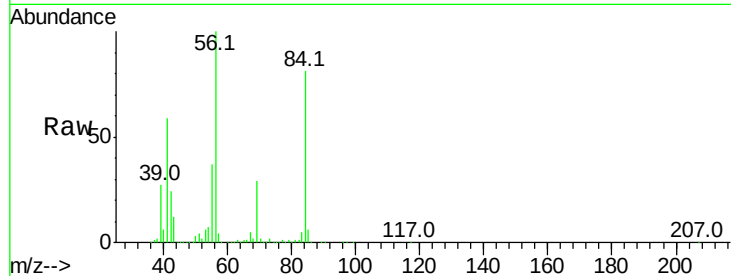




#30
Cyclohexane
Concen: 103.314 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004228.D
Acq: 26 Jul 2018 13:40

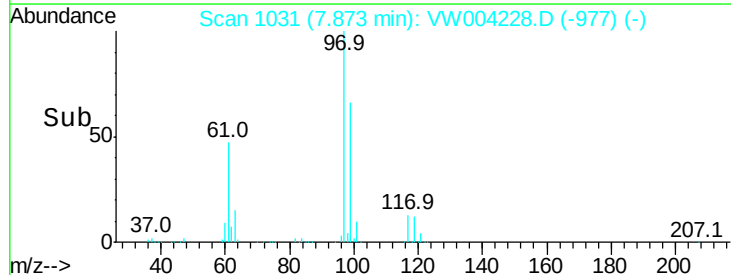
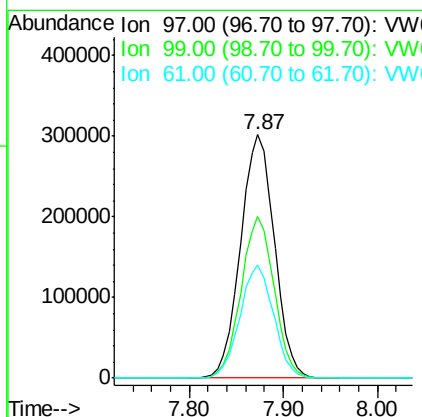
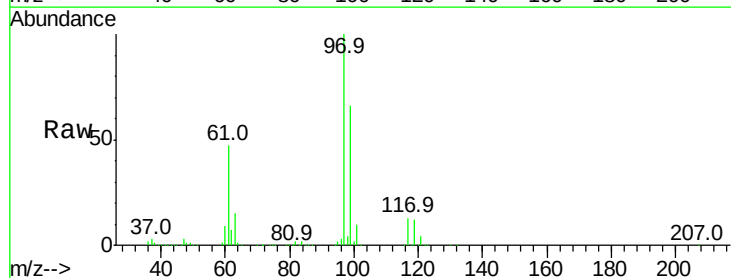
Instrument :
MSVOA_W
ClientSampleId :
VSTD10089

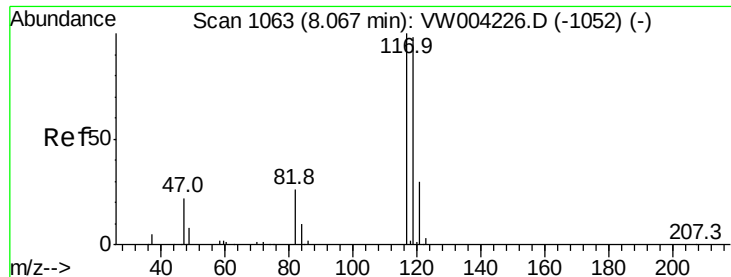
Tgt Ion: 56 Resp: 969444
Ion Ratio Lower Upper
56 100
69 29.3 23.2 34.8
84 80.9 64.0 96.0



#31
1,1,1-Trichloroethane
Concen: 86.347 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004228.D
Acq: 26 Jul 2018 13:40

Tgt Ion: 97 Resp: 755540
Ion Ratio Lower Upper
97 100
99 64.9 51.3 76.9
61 46.0 37.1 55.7





#32

Carbon tetrachloride

Concen: 90.611 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

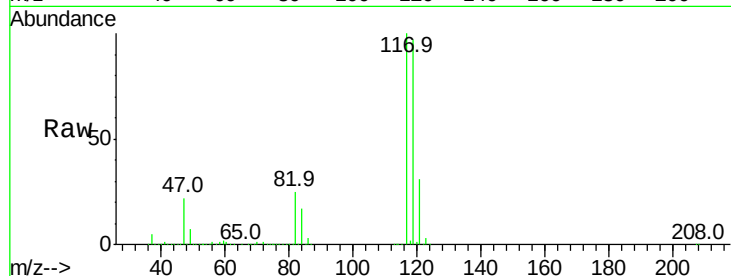
VSTD10089

Tgt Ion:117 Resp: 764948

Ion Ratio Lower Upper

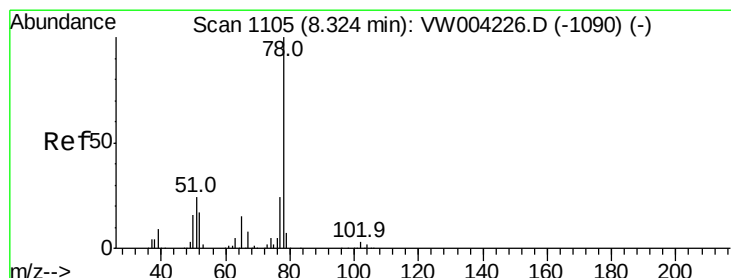
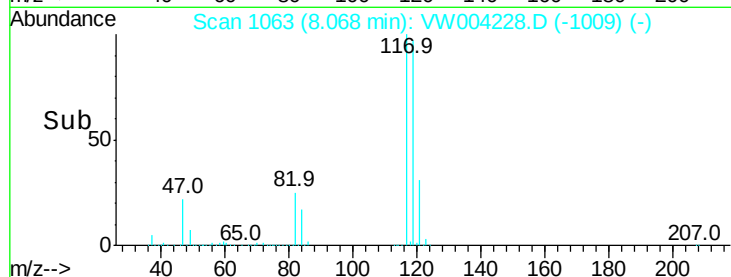
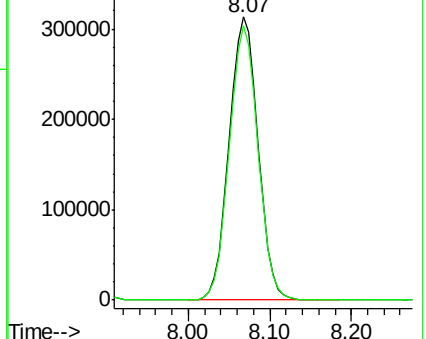
117 100

119 96.2 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: 96.205 ug/L

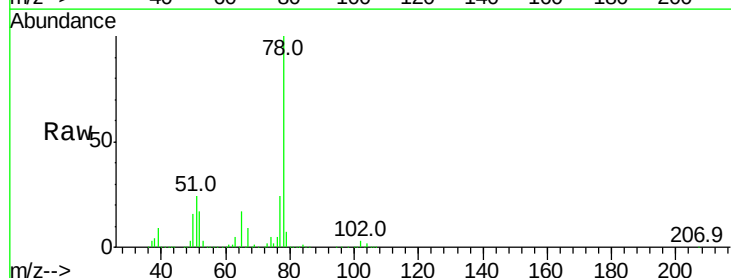
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

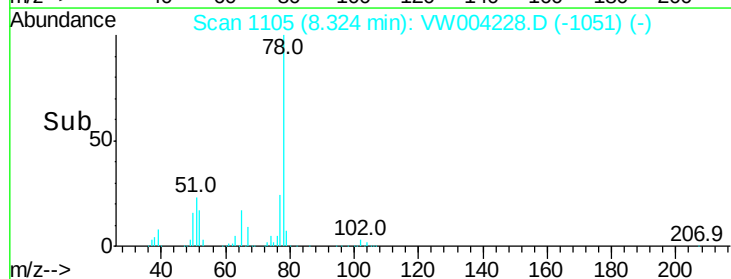
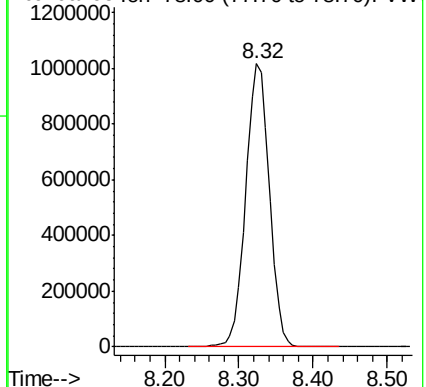
Lab File: VW004228.D

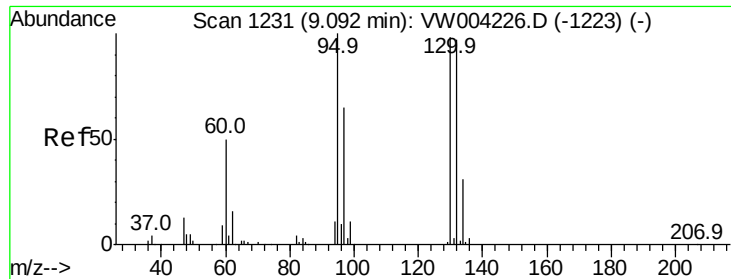
Acq: 26 Jul 2018 13:40

Tgt Ion: 78 Resp: 2268866



Abundance Ion 78.00 (77.70 to 78.70): VW

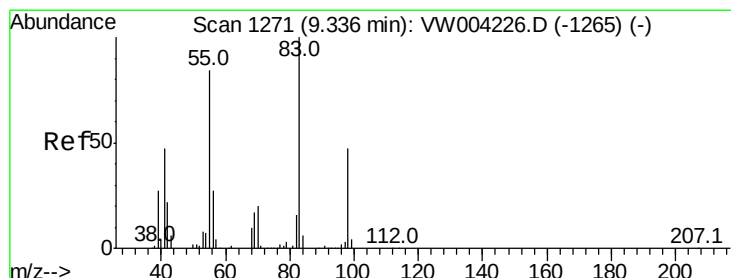
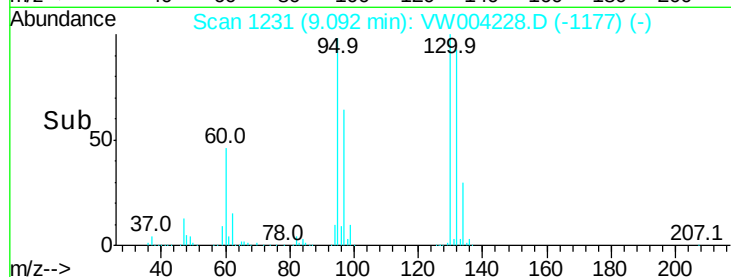
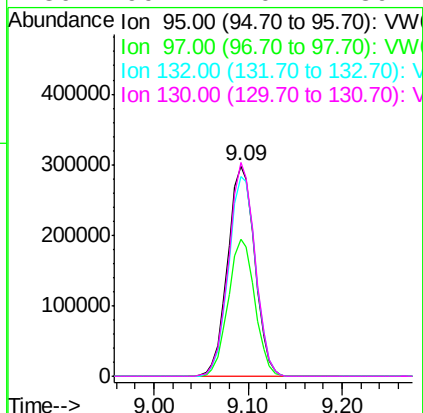
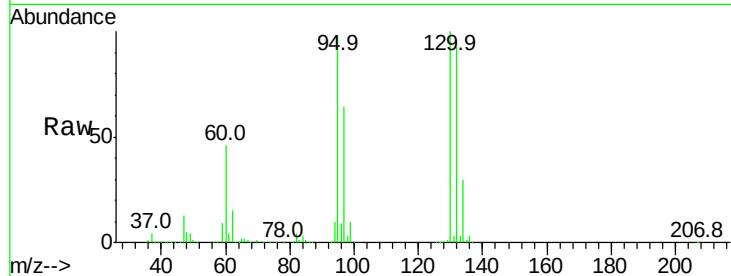




#35
 Trichloroethene
 Concen: 93.584 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004228.D
 Acq: 26 Jul 2018 13:40

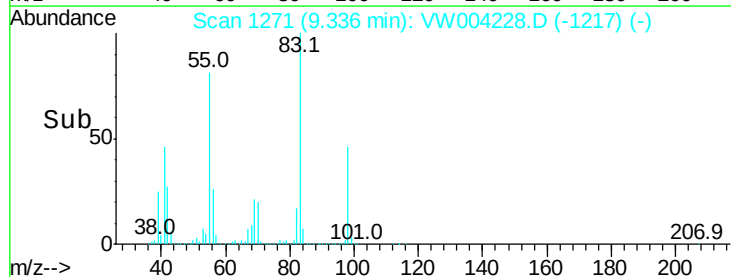
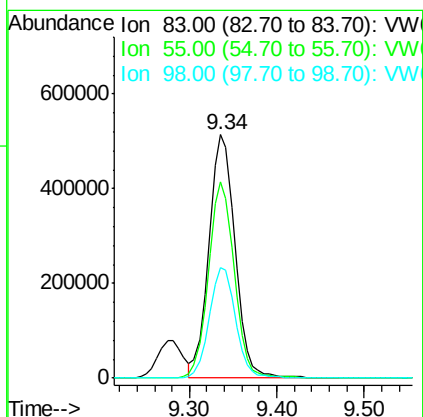
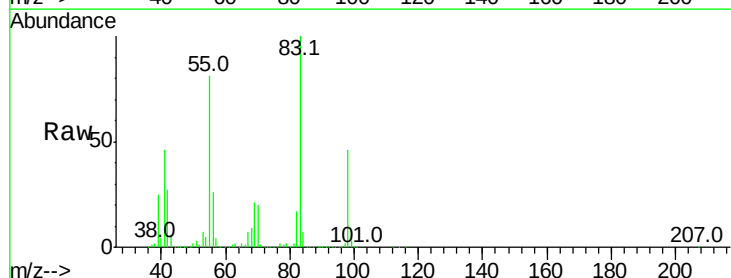
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10089

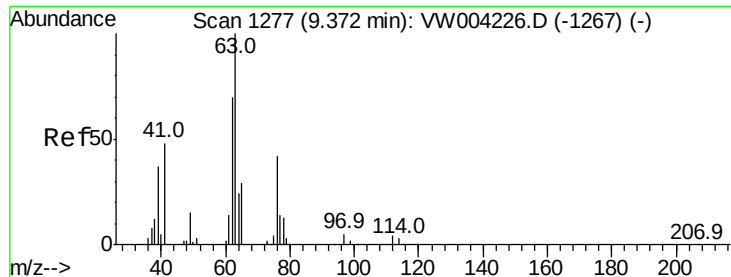
Tgt Ion: 95 Resp: 590515
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.9 83.5
 132 95.2 67.4 125.2
 130 99.1 70.2 130.4



#36
 Methylcyclohexane
 Concen: 102.527 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004228.D
 Acq: 26 Jul 2018 13:40

Tgt Ion: 83 Resp: 1069278
 Ion Ratio Lower Upper
 83 100
 55 79.2 65.5 98.3
 98 45.4 37.1 55.7





#40

1,2-Dichloropropane

Concen: 96.043 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

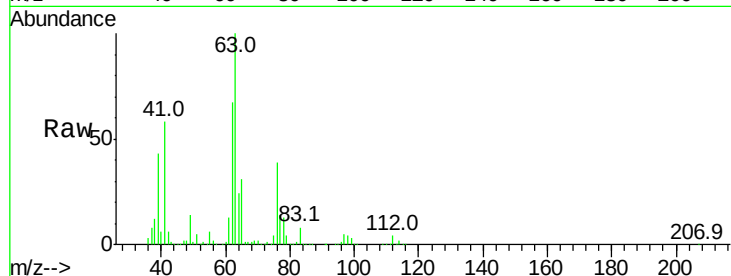
VSTD10089

Tgt Ion: 63 Resp: 614027

Ion Ratio Lower Upper

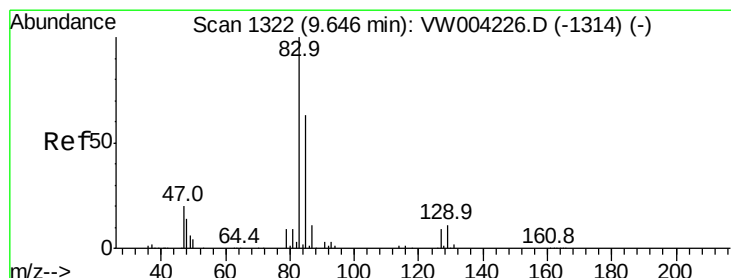
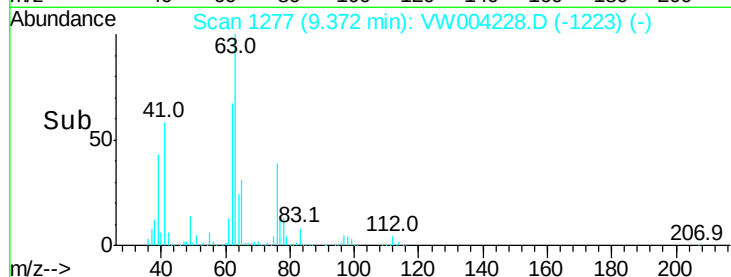
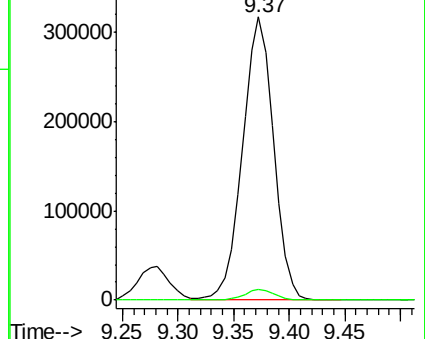
63 100

112 3.7 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: 96.432 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

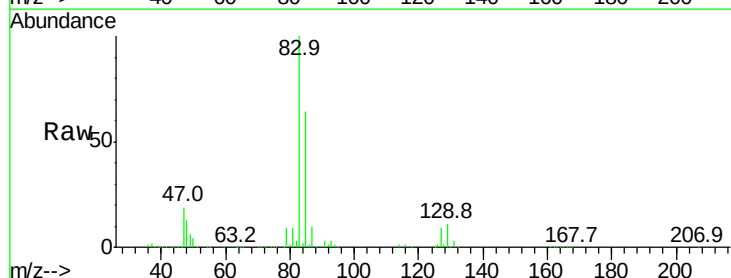
Tgt Ion: 83 Resp: 759076

Ion Ratio Lower Upper

83 100

85 64.0 44.0 81.8

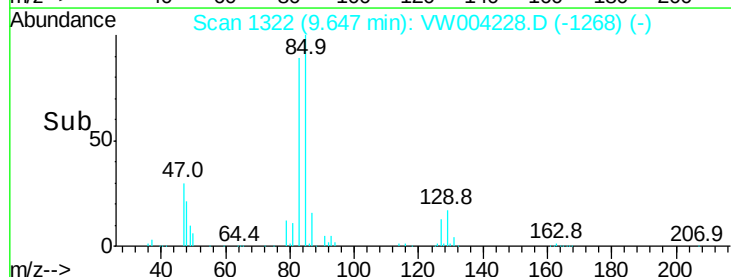
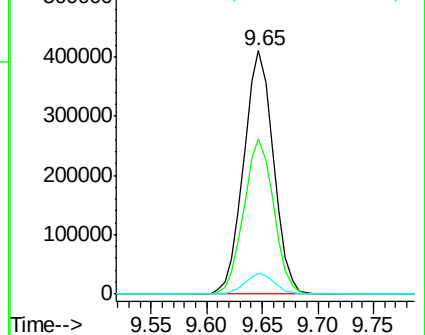
127 8.6 7.2 10.8

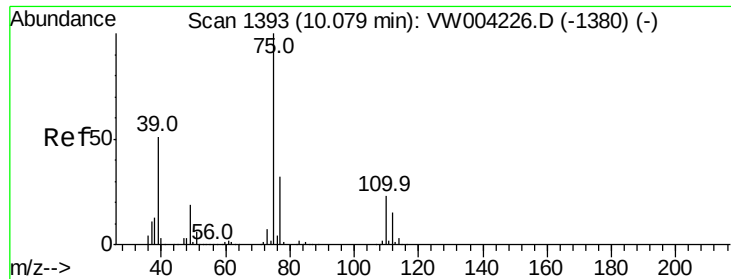


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 108.021 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

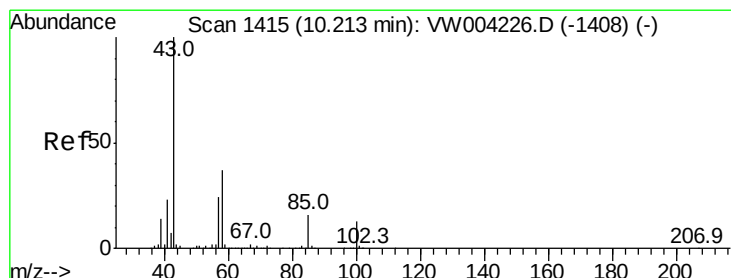
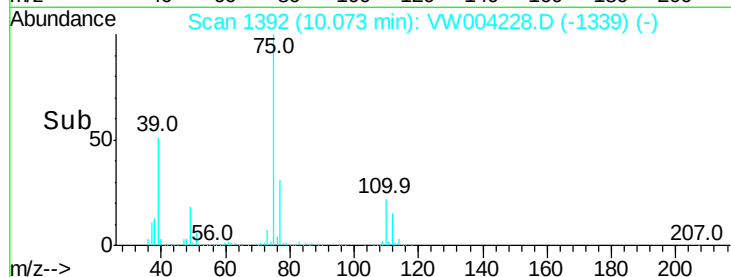
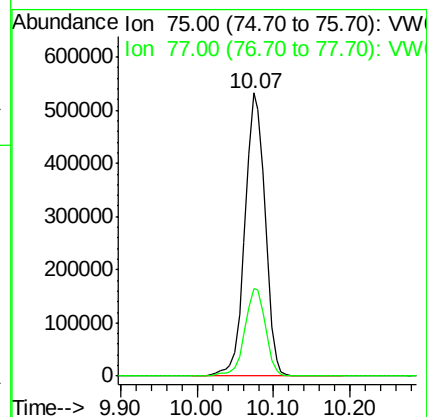
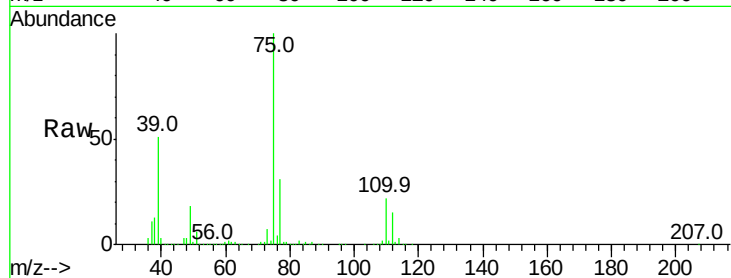
VSTD10089

Tgt Ion: 75 Resp: 973112

Ion Ratio Lower Upper

75 100

77 31.0 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 202.552 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

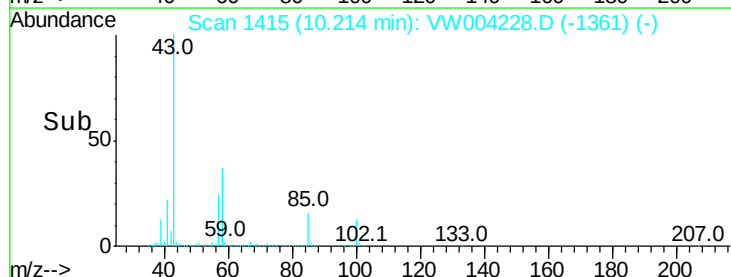
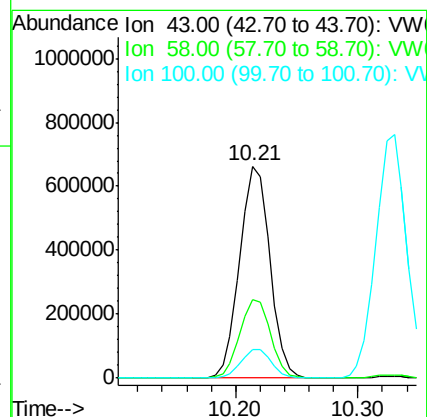
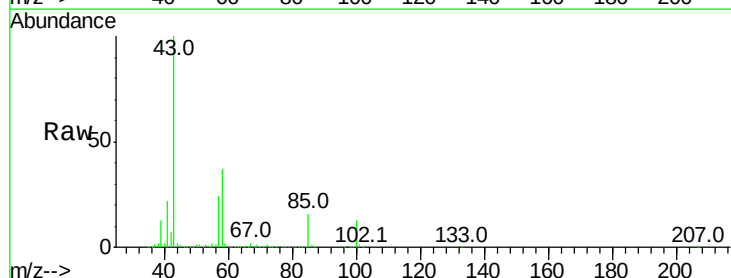
Tgt Ion: 43 Resp: 1138418

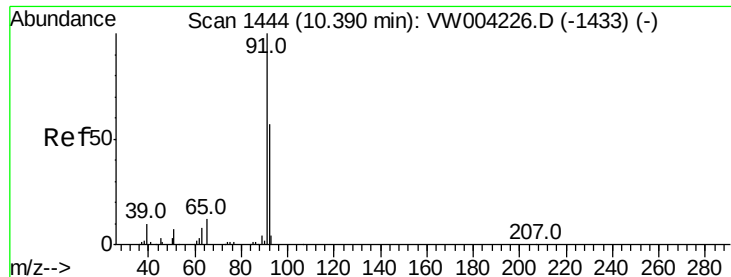
Ion Ratio Lower Upper

43 100

58 37.6 29.4 44.2

100 13.6 10.6 16.0





#44

Toluene

Concen: 97.854 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

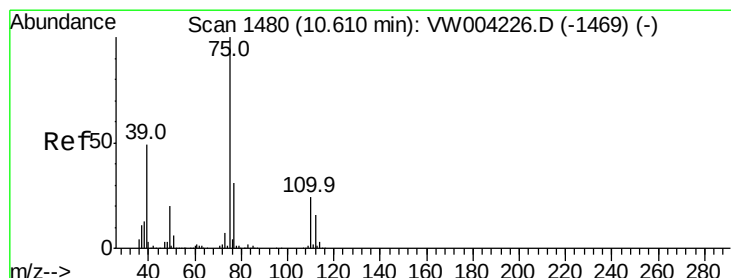
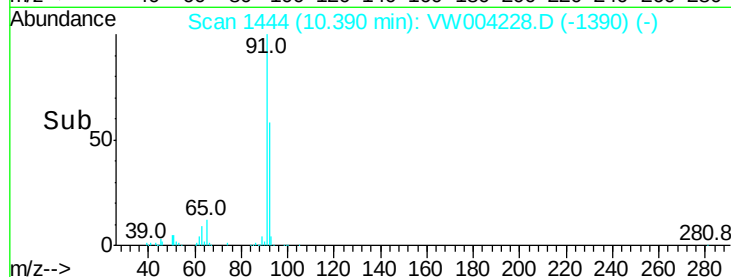
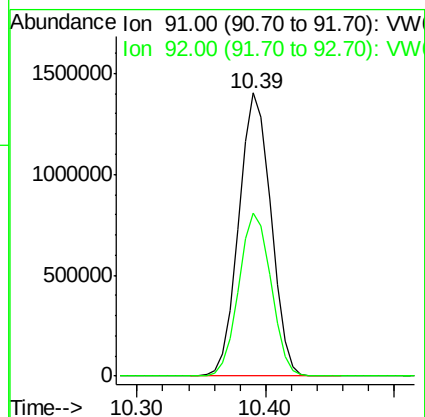
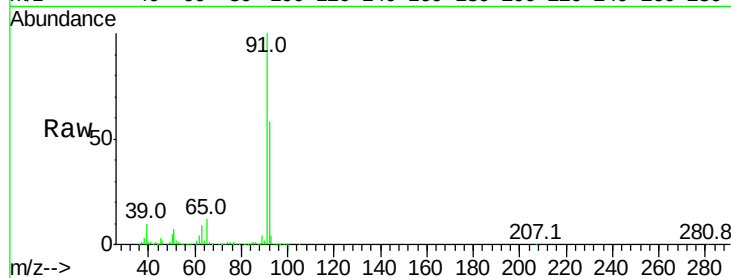
VSTD10089

Tgt Ion: 91 Resp: 2418200

Ion Ratio Lower Upper

91 100

92 57.6 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 104.468 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004228.D

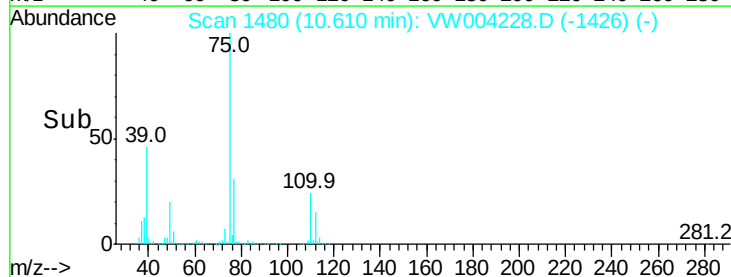
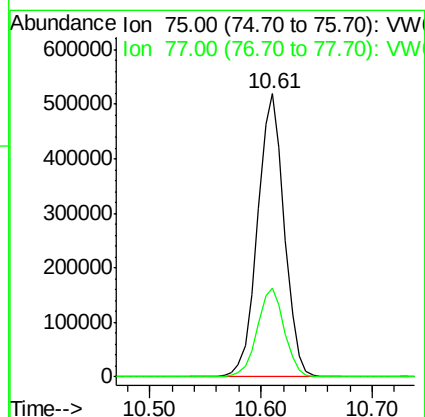
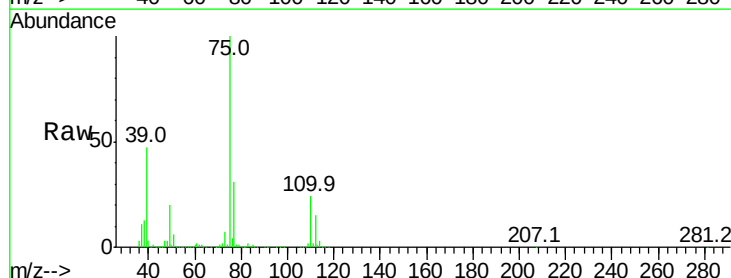
Acq: 26 Jul 2018 13:40

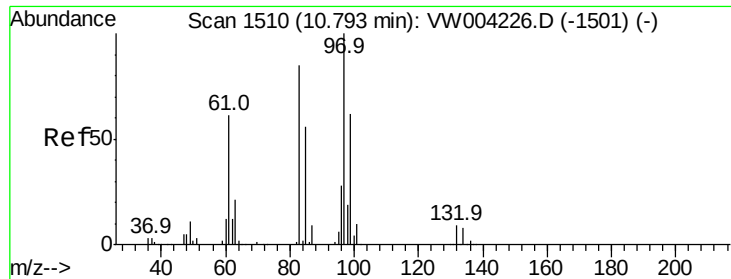
Tgt Ion: 75 Resp: 868049

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.2





#46

1,1,2-Trichloroethane

Concen: 94.319 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10089

Tgt Ion: 97 Resp: 468653

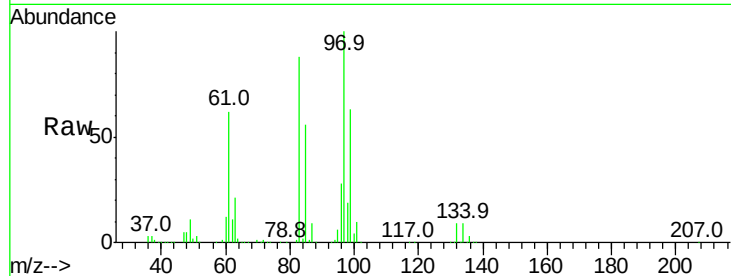
Ion Ratio Lower Upper

97 100

83 88.5 59.8 111.0

85 56.3 39.3 73.1

99 62.9 43.3 80.5



Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

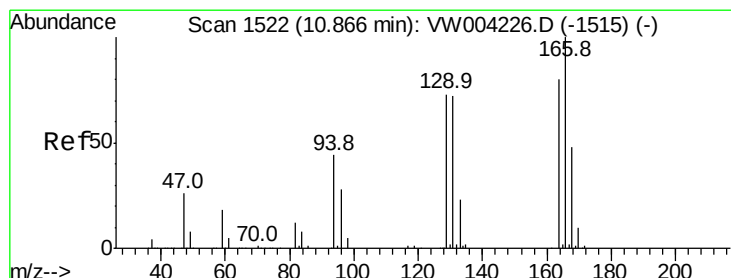
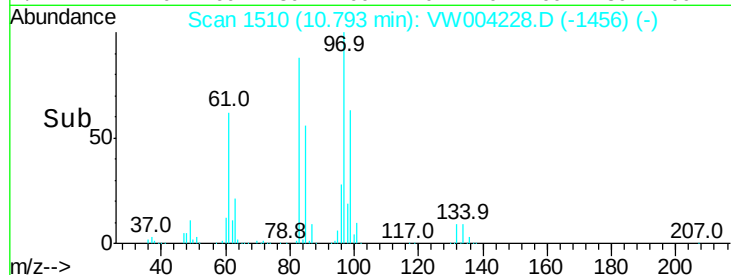
10.79

200000

100000

0

Time-->



#47

Tetrachloroethene

Concen: 91.822 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Tgt Ion: 164 Resp: 467290

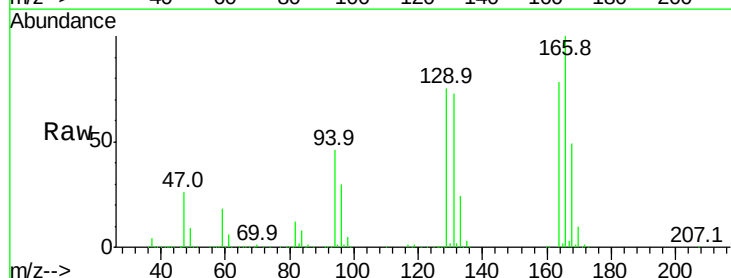
Ion Ratio Lower Upper

164 100

129 96.8 63.4 117.8

131 93.9 63.1 117.1

166 129.0 87.5 162.5



Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

500000

400000

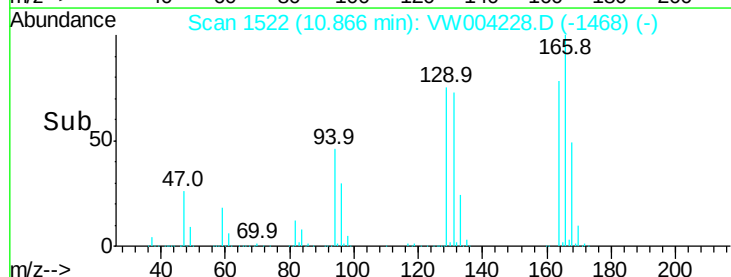
300000

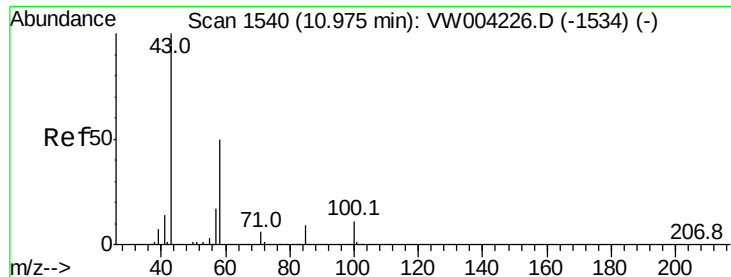
200000

100000

0

Time-->

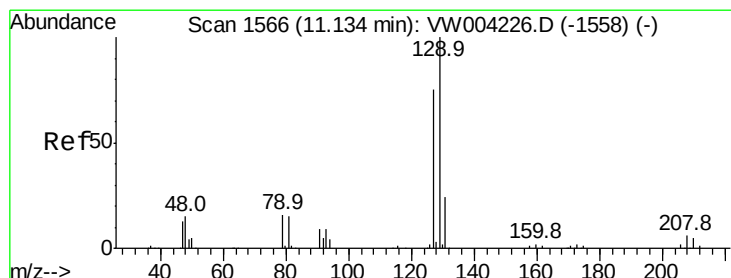
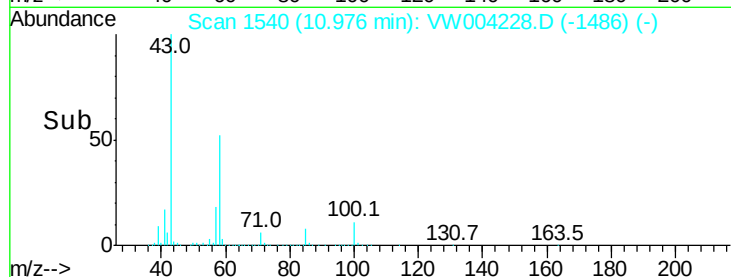
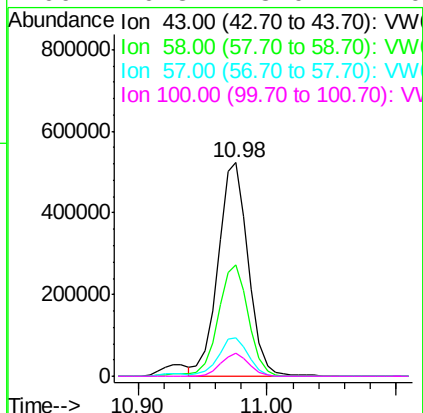
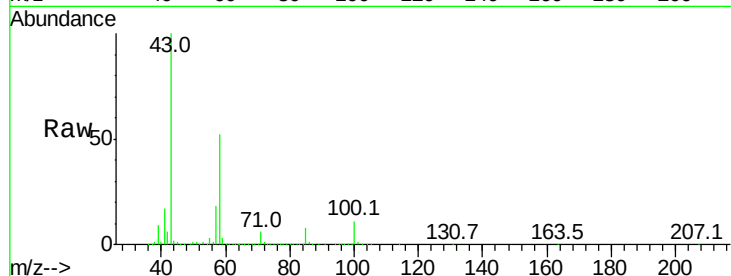




#49
2-Hexanone
Concen: 197.185 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004228.D
Acq: 26 Jul 2018 13:40

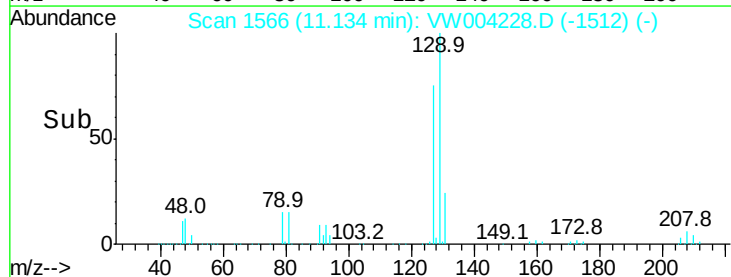
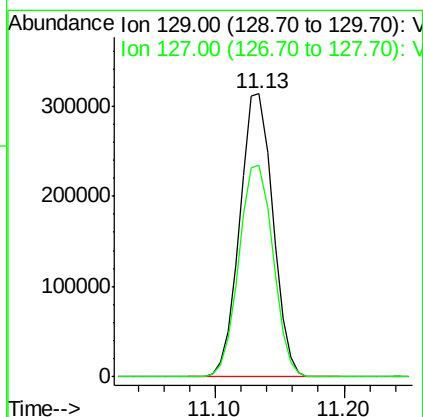
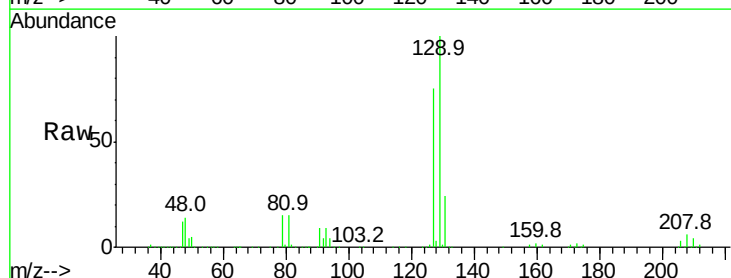
Instrument :
MSVOA_W
ClientSampleId :
VSTD10089

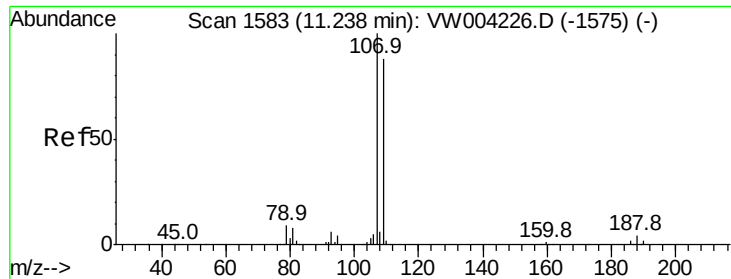
Tgt Ion: 43 Resp: 857993
Ion Ratio Lower Upper
43 100
58 51.5 39.8 59.8
57 18.0 13.9 20.9
100 10.3 8.0 12.0



#50
Dibromochloromethane
Concen: 100.332 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004228.D
Acq: 26 Jul 2018 13:40

Tgt Ion: 129 Resp: 558470
Ion Ratio Lower Upper
129 100
127 75.0 52.7 97.9

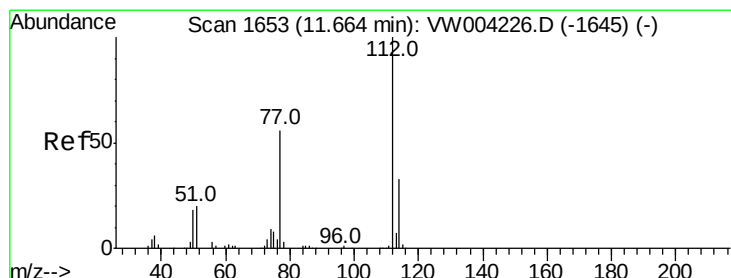
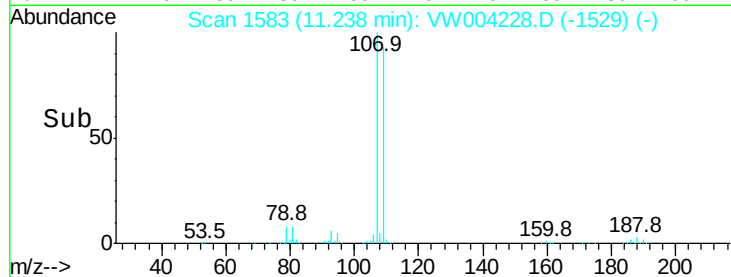
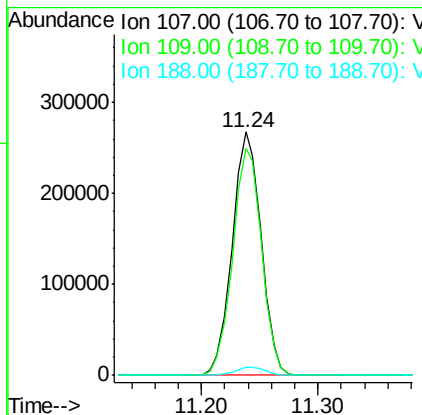
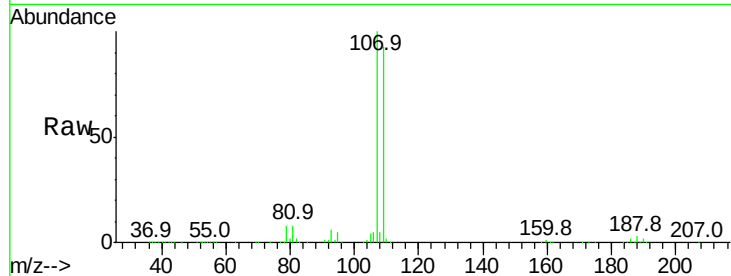




#51
 1,2-Dibromoethane
 Concen: 94.948 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004228.D
 Acq: 26 Jul 2018 13:40

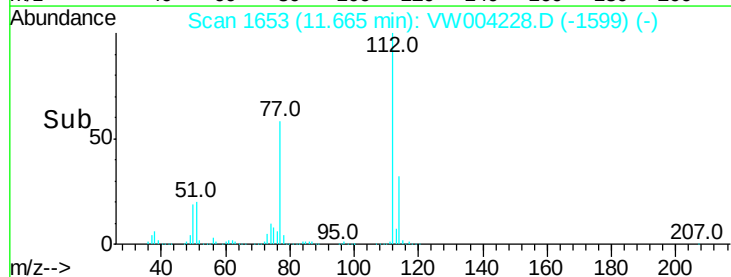
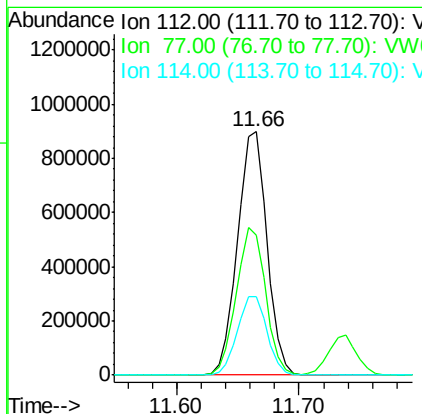
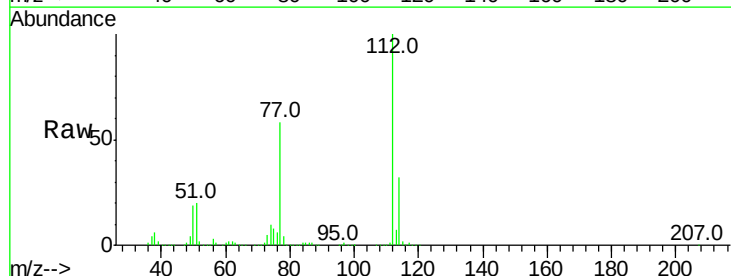
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10089

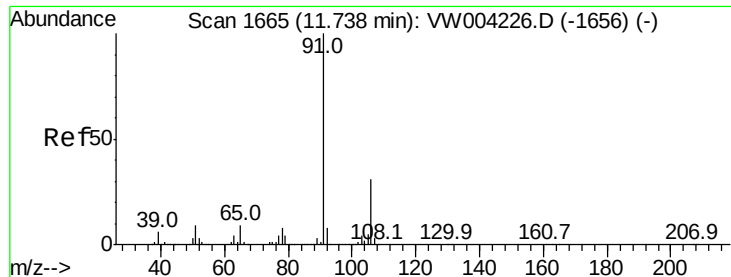
Tgt Ion:107 Resp: 460772
 Ion Ratio Lower Upper
 107 100
 109 93.4 61.3 113.9
 188 3.4 3.0 4.4



#52
 Chlorobenzene
 Concen: 94.404 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VW004228.D
 Acq: 26 Jul 2018 13:40

Tgt Ion:112 Resp: 1495830
 Ion Ratio Lower Upper
 112 100
 77 57.7 45.2 67.8
 114 32.1 22.9 42.5





#53

Ethylbenzene

Concen: 100.446 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

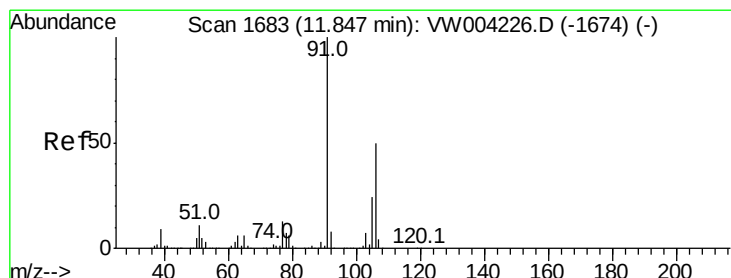
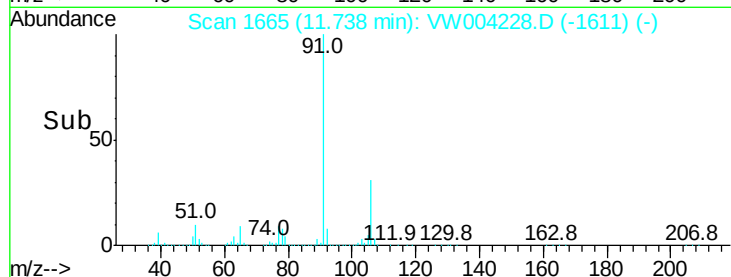
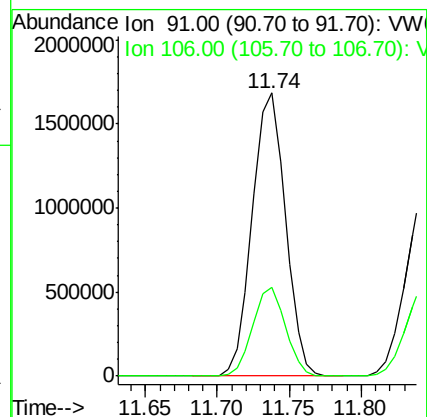
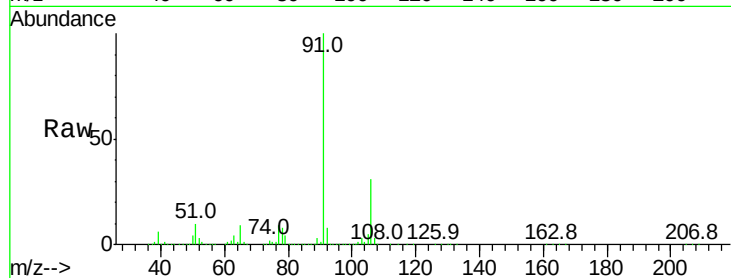
VSTD10089

Tgt Ion: 91 Resp: 2686988

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



#54

m,p-Xylene

Concen: 102.566 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004228.D

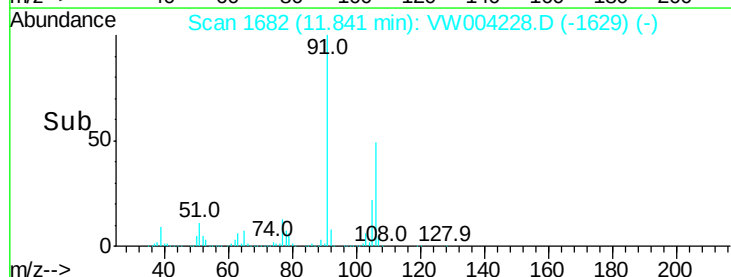
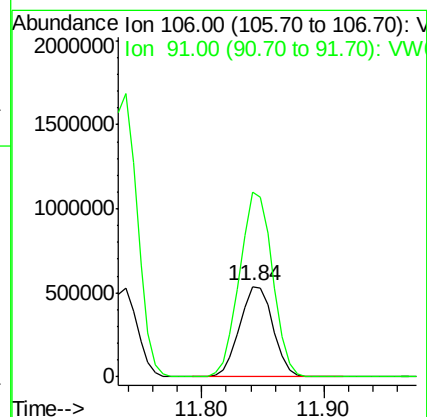
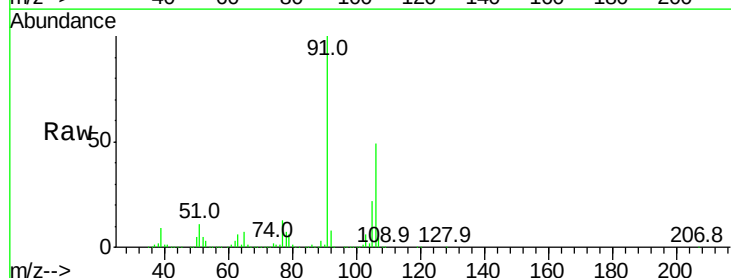
Acq: 26 Jul 2018 13:40

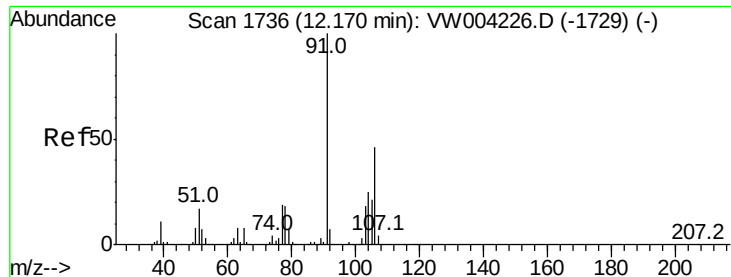
Tgt Ion: 106 Resp: 1011226

Ion Ratio Lower Upper

106 100

91 204.0 138.8 257.8

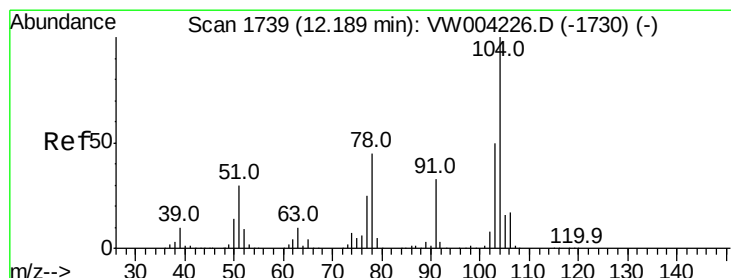
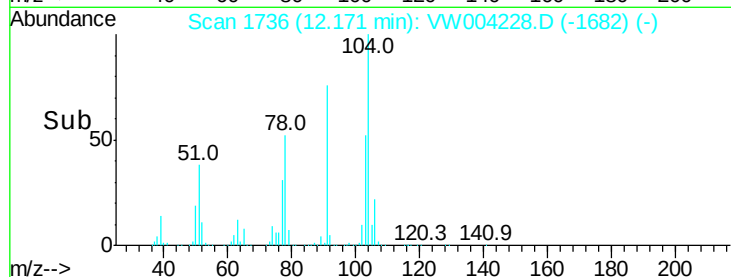
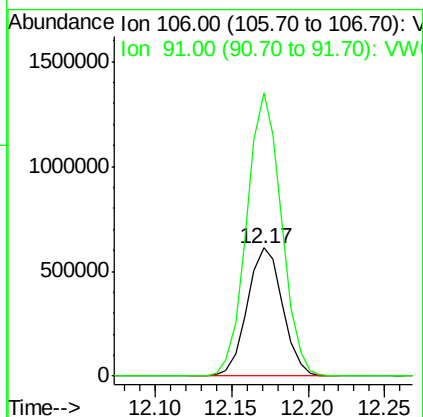
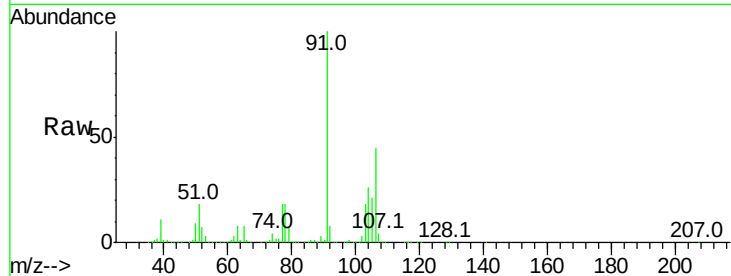




#55
o-xylene
Concen: 104.385 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004228.D
Acq: 26 Jul 2018 13:40

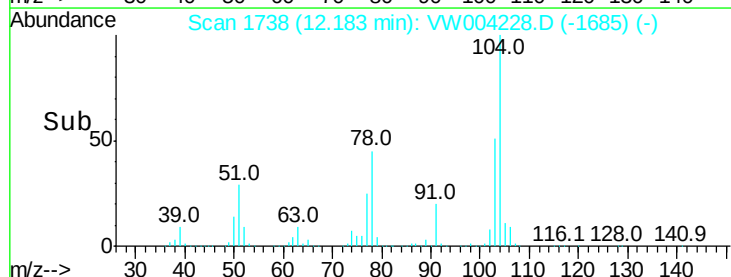
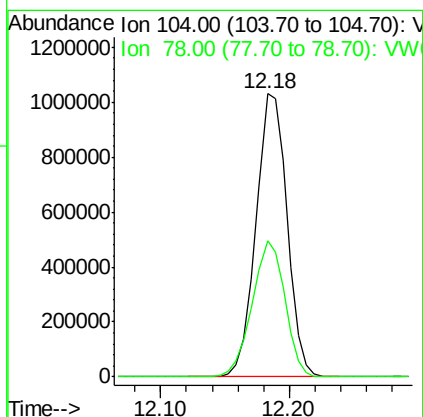
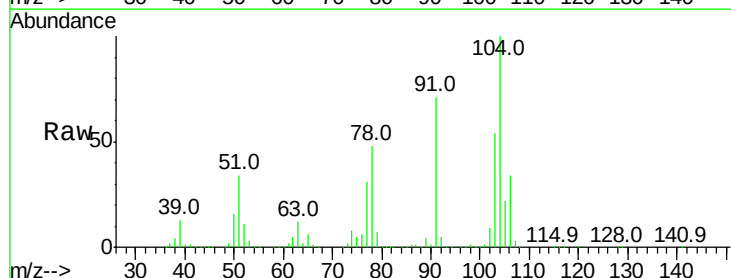
Instrument :
MSVOA_W
ClientSampled :
VSTD10089

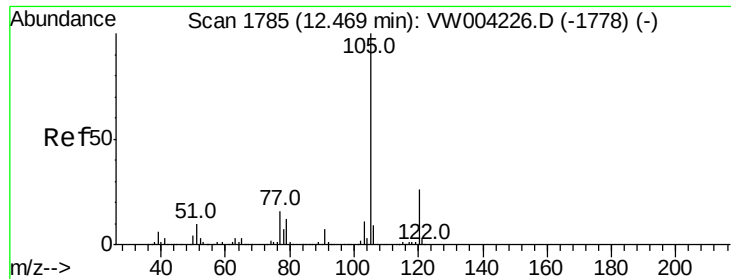
Tgt Ion:106 Resp: 984387
Ion Ratio Lower Upper
106 100
91 220.6 153.5 285.1



#56
Styrene
Concen: 105.130 ug/L
RT: 12.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VW004228.D
Acq: 26 Jul 2018 13:40

Tgt Ion:104 Resp: 1712674
Ion Ratio Lower Upper
104 100
78 48.0 31.7 58.9





#57

Isopropylbenzene

Concen: 104.466 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10089

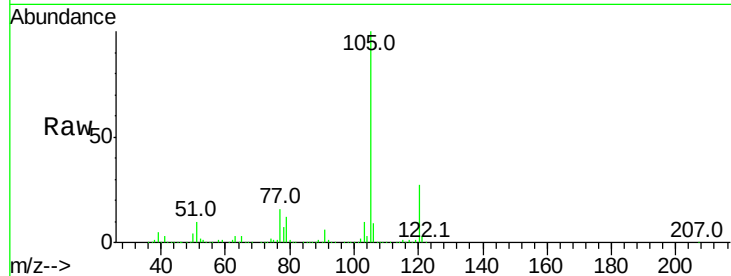
Tgt Ion:105 Resp: 2701013

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.0

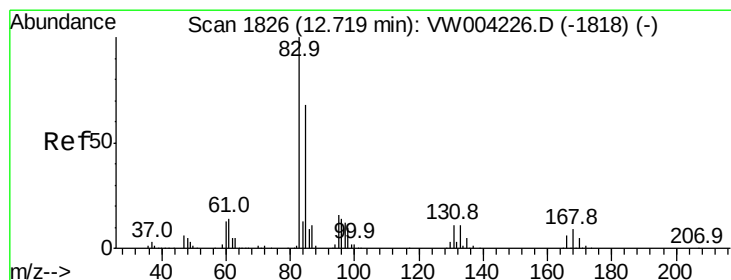
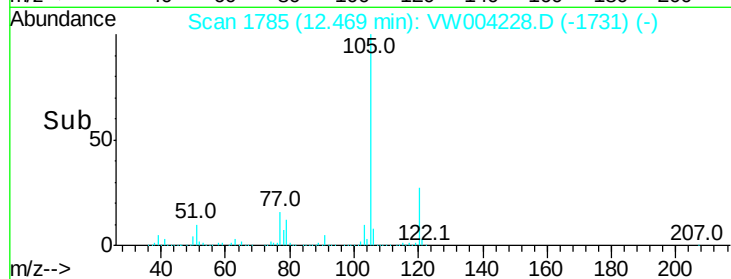
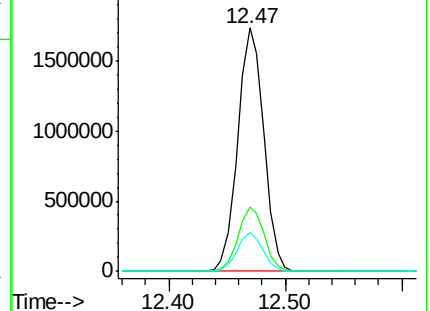
77 15.8 13.1 19.7



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: 92.355 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

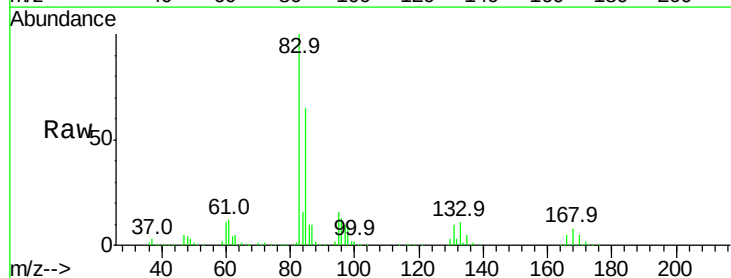
Tgt Ion: 83 Resp: 655922

Ion Ratio Lower Upper

83 100

85 64.8 47.7 88.7

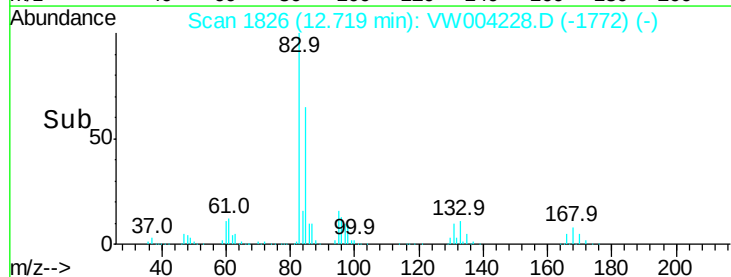
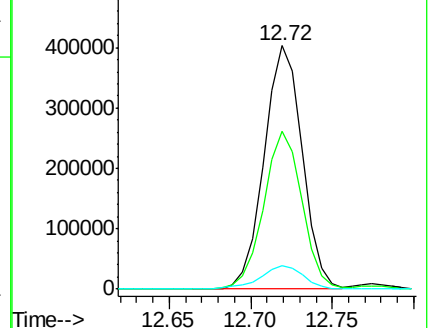
131 9.5 8.8 13.2

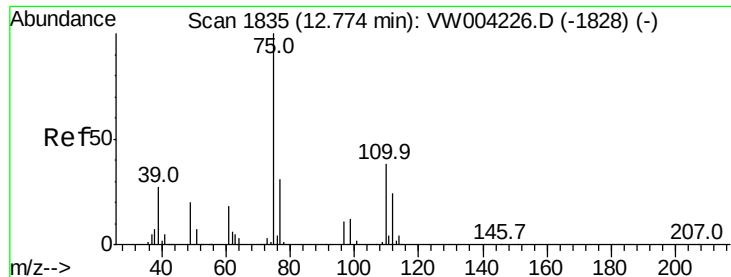


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 89.982 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

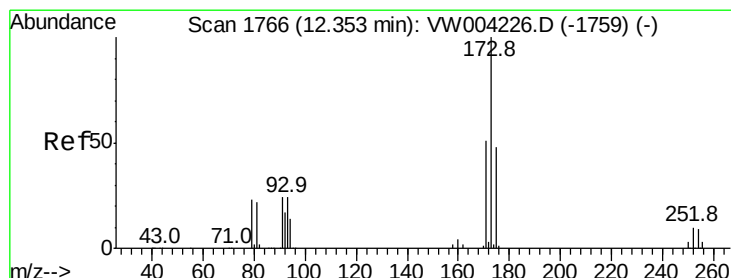
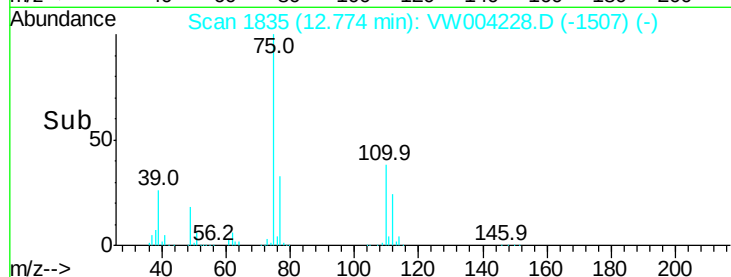
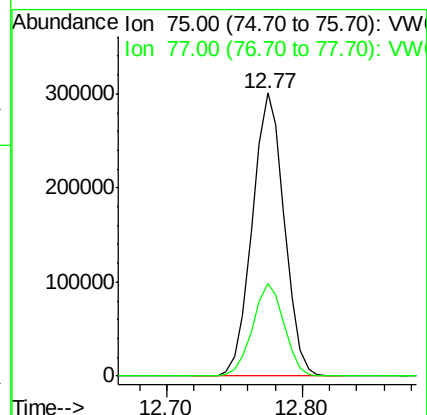
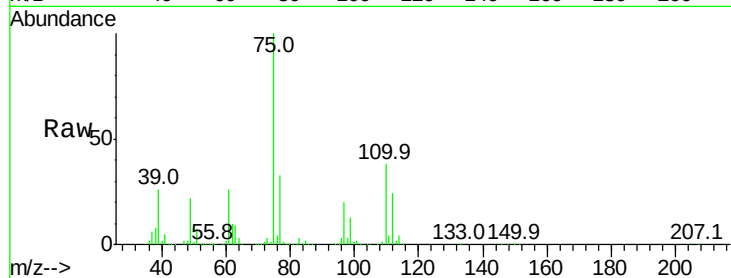
VSTD10089

Tgt Ion: 75 Resp: 494699

Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8



#62

Bromoform

Concen: 98.735 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

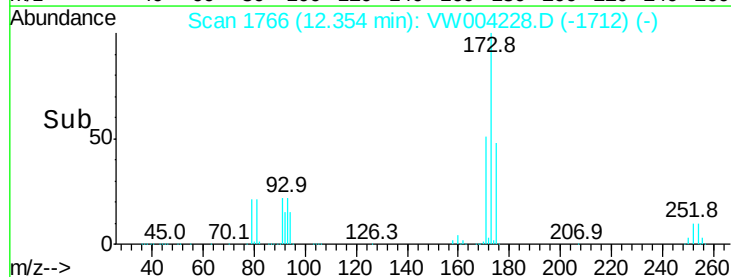
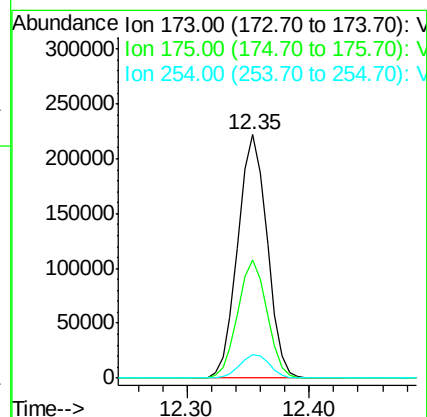
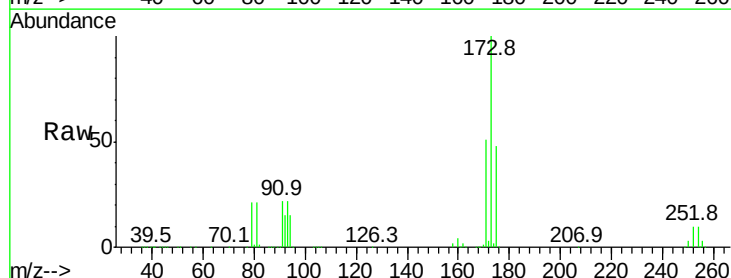
Tgt Ion: 173 Resp: 367524

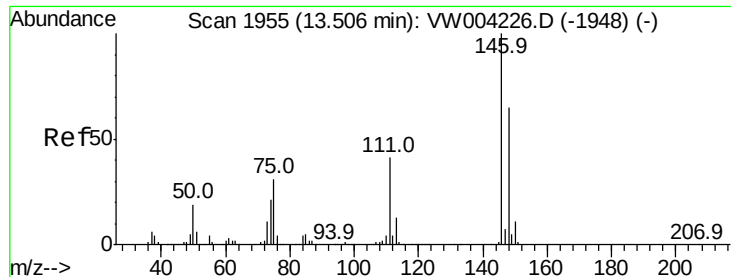
Ion Ratio Lower Upper

173 100

175 48.4 39.1 58.7

254 9.9 7.8 11.6

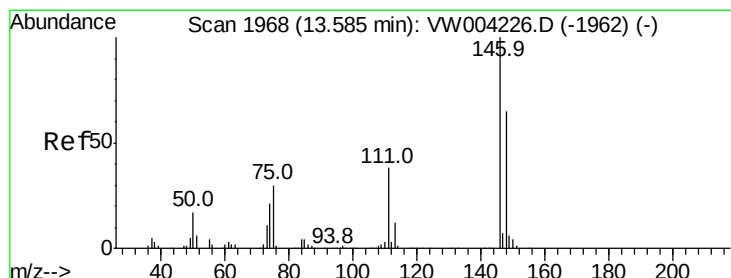
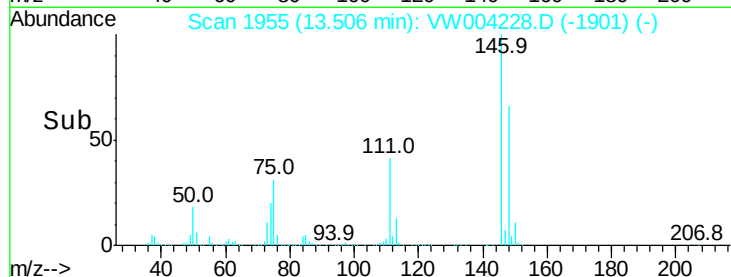
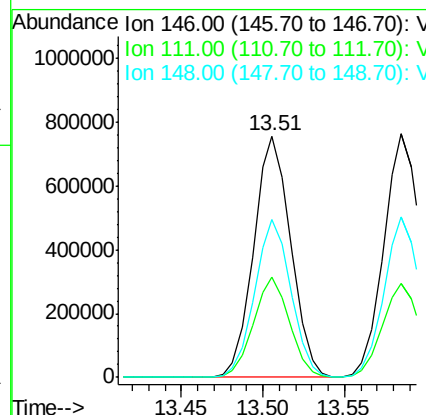
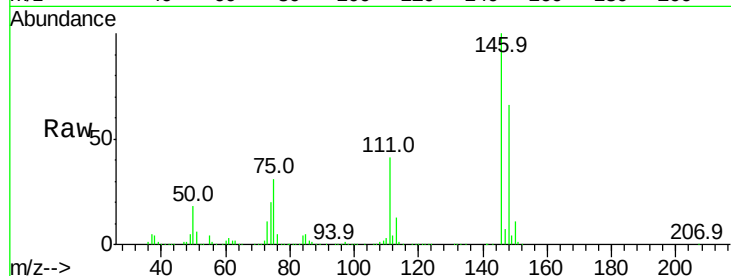




#63
 1,3-Dichlorobenzene
 Concen: 98.107 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004228.D
 Acq: 26 Jul 2018 13:40

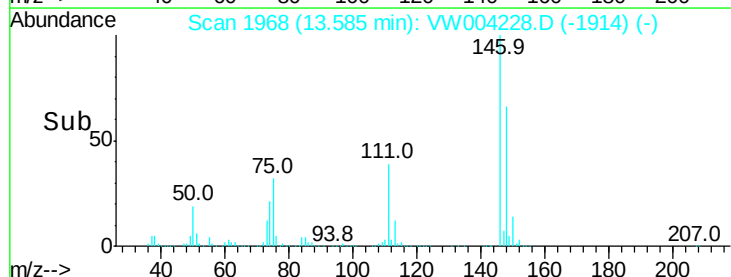
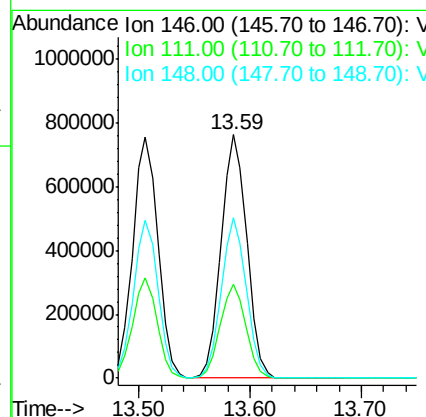
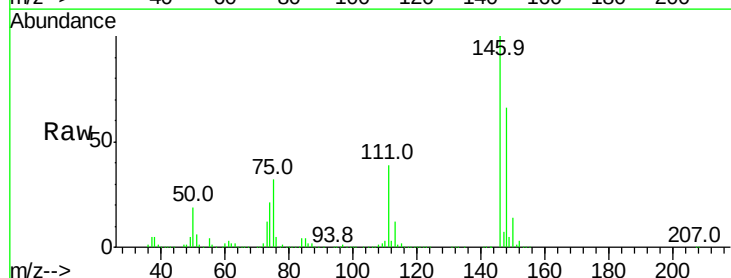
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10089

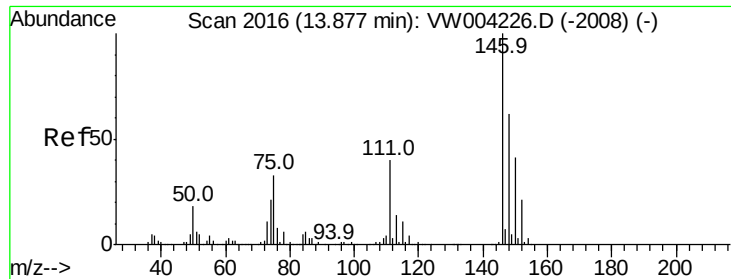
Tgt Ion:146 Resp: 1191824
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.0 53.8
 148 65.5 45.1 83.9



#64
 1,4-Dichlorobenzene
 Concen: 93.101 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004228.D
 Acq: 26 Jul 2018 13:40

Tgt Ion:146 Resp: 1212710
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.9 50.1
 148 66.0 45.2 84.0

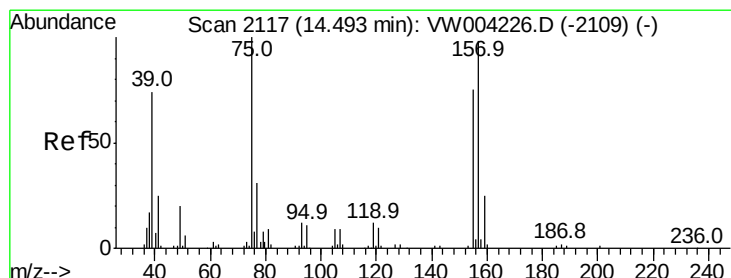
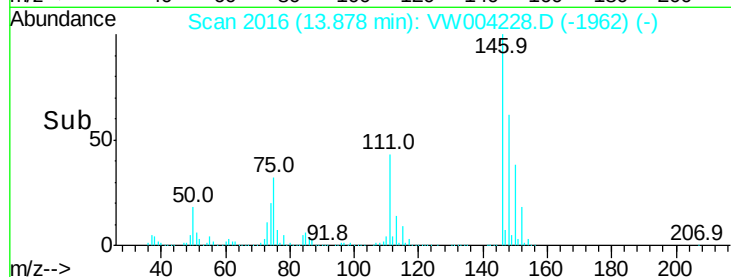
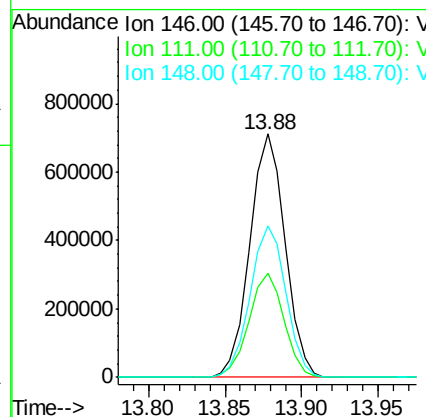
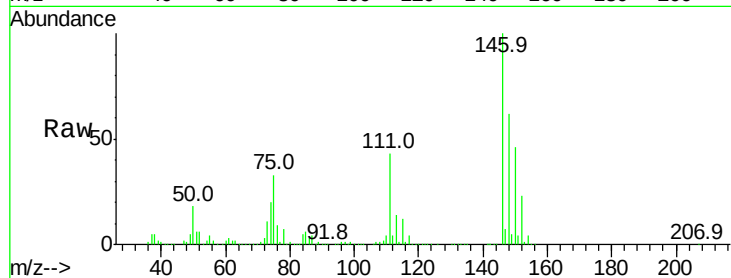




#65
 1,2-Dichlorobenzene
 Concen: 96.309 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004228.D
 Acq: 26 Jul 2018 13:40

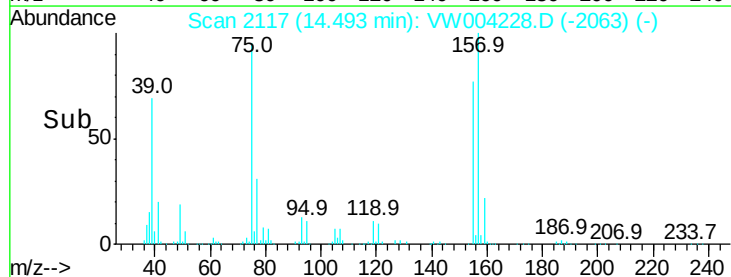
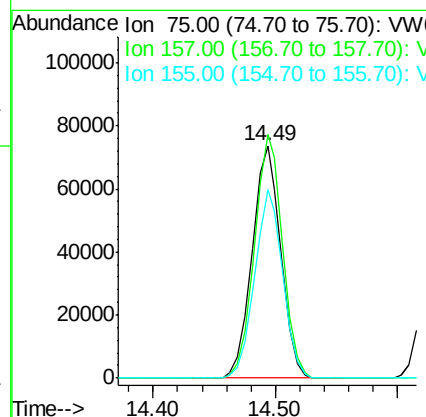
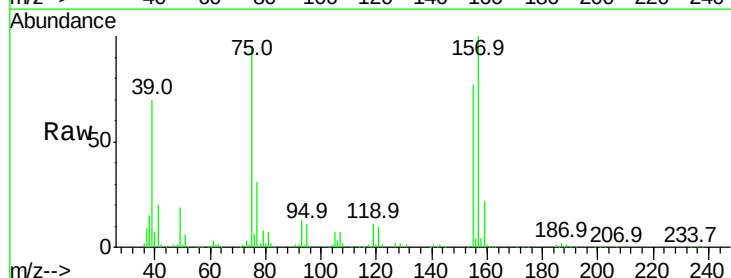
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10089

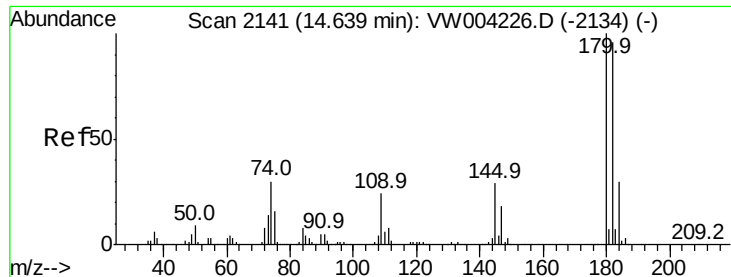
Tgt Ion:146 Resp: 1140166
 Ion Ratio Lower Upper
 146 100
 111 42.8 31.9 47.9
 148 62.4 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 86.415 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004228.D
 Acq: 26 Jul 2018 13:40

Tgt Ion: 75 Resp: 119271
 Ion Ratio Lower Upper
 75 100
 157 104.9 78.8 118.2
 155 81.1 60.2 90.4

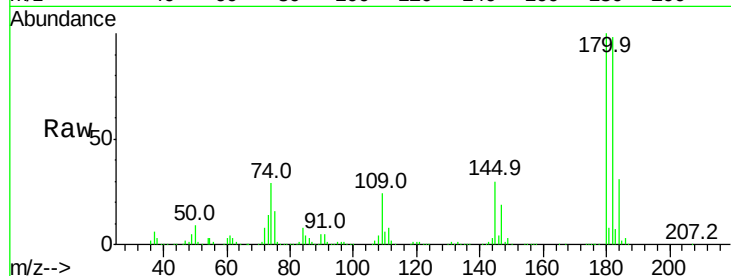




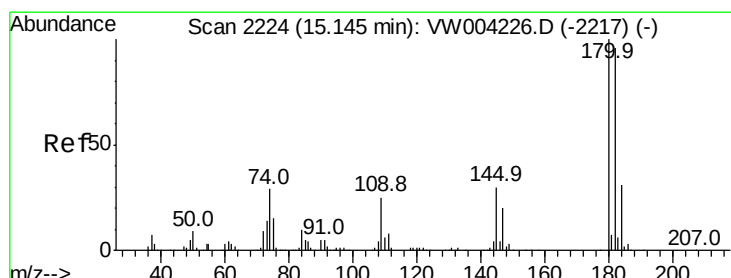
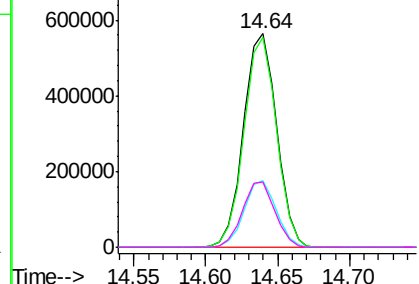
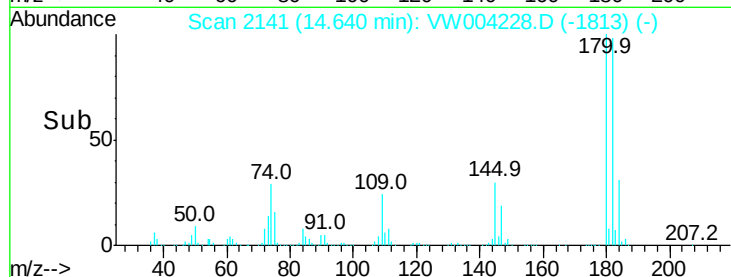
#67
 1,3,5-Trichlorobenzene
 Concen: 93.556 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004228.D
 Acq: 26 Jul 2018 13:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10089

Tgt Ion:180 Resp: 898732
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.4 116.2
 184 30.4 23.8 35.8
 145 30.1 23.8 35.6

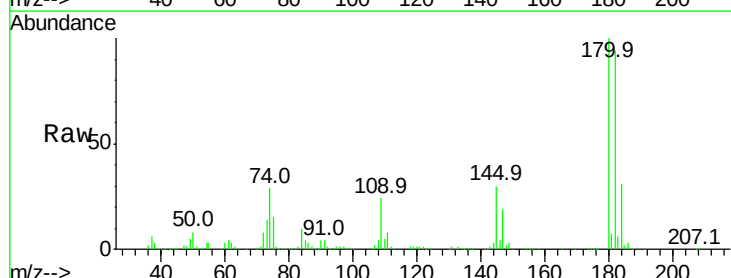


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

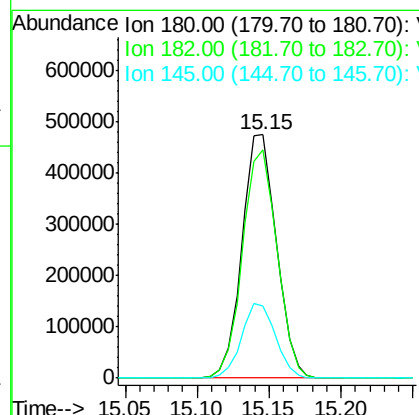
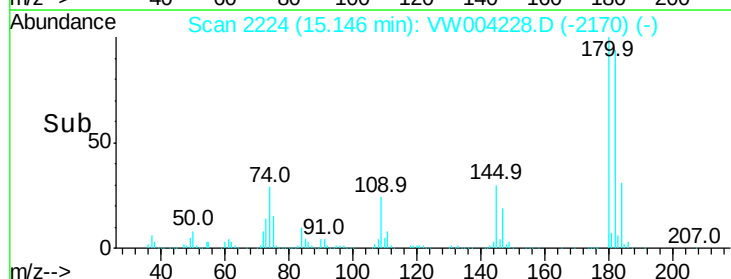


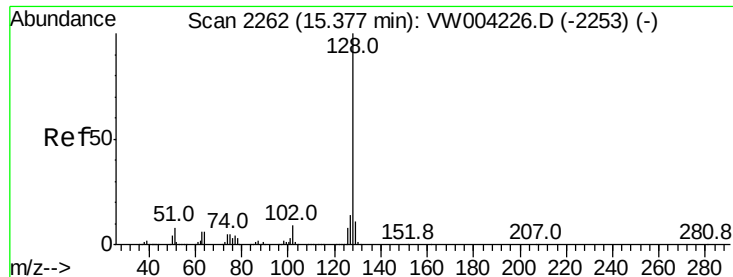
#68
 1,2,4-trichlorobenzene
 Concen: 102.323 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004228.D
 Acq: 26 Jul 2018 13:40

Tgt Ion:180 Resp: 788264
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.2 114.2
 145 30.3 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: 108.253 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD10089

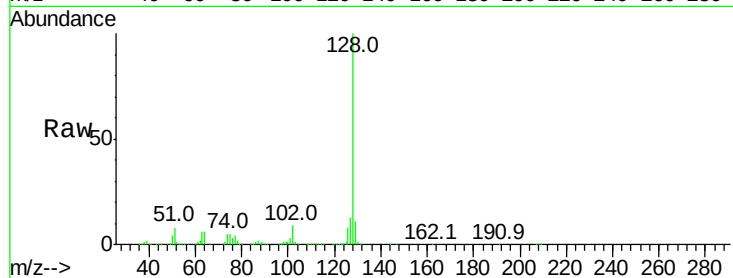
Tgt Ion:128 Resp: 1877659

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

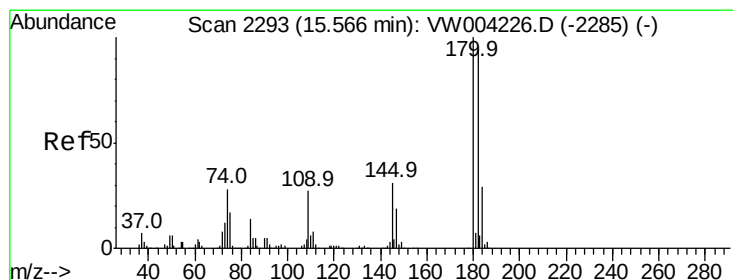
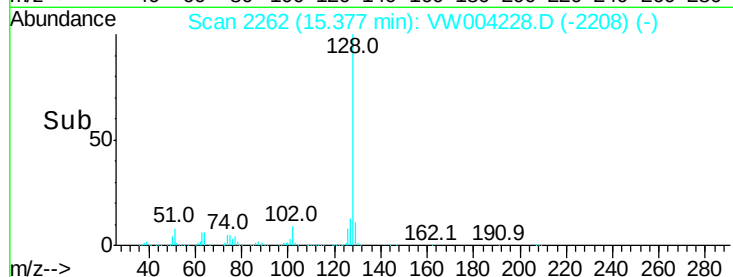
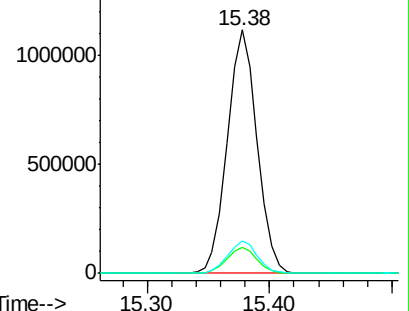
127 13.3 11.0 16.4



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: 98.208 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004228.D

Acq: 26 Jul 2018 13:40

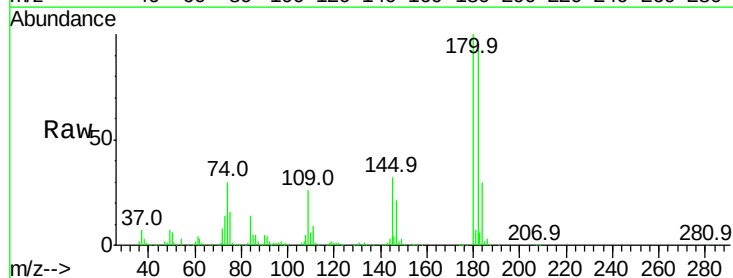
Tgt Ion:180 Resp: 719833

Ion Ratio Lower Upper

180 100

182 93.8 76.2 114.4

145 32.0 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

