

Data File : VW004887.D
Acq On : 22 Aug 2018 16:28
Operator : SY/AP
Sample : VSTD02583
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

Quant Time: Aug 22 16:55:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 22 14:02:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	748407	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	747438	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	388744	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	301479	32.39	ug/L	-0.01
7) Chloroethane-d5	2.89	69	229572	29.32	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	411621	21.77	ug/L	0.00
20) 2-Butanone-d5	7.09	46	131078	31.94	ug/L	0.00
24) Chloroform-d	7.66	84	400017	19.74	ug/L	0.01
26) 1,2-Dichloroethane-d4	8.31	65	221725	19.63	ug/L	0.00
29) Benzene-d6	8.29	84	984176	24.75	ug/L	0.01
33) 1,2-Dichloropropane-d6	9.28	67	296180	22.79	ug/L	0.00
37) Toluene-d8	10.33	98	1038104	29.61	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	124452	23.29	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	141654	44.78	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	280331	19.89	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	380919	26.09	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	326143	41.914	ug/L	93
3) Chloromethane	2.22	50	357732	34.806	ug/L	98
5) Vinyl chloride	2.36	62	369911	27.581	ug/L	98
6) Bromomethane	2.78	94	197415	25.451	ug/L	99
8) Chloroethane	2.92	64	206778	25.699	ug/L	97
9) Trichlorofluoromethane	3.26	101	382308	62.494	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	233088	21.944	ug/L	98
12) 1,1-Dichloroethene	4.04	96	207076	19.955	ug/L	94
13) Acetone	4.15	43	86266	24.259	ug/L	97
14) Carbon disulfide	4.39	76	831419	26.120	ug/L	99
15) Methyl Acetate	4.69	43	114648	15.818	ug/L	100
16) Methylene chloride	4.92	84	300180	20.194	ug/L	98
17) Methyl tert-butyl Ether	5.44	73	479615	34.144	ug/L	97
18) trans-1,2-Dichloroethene	5.43	96	218186	20.560	ug/L	96
19) 1,1-Dichloroethane	6.23	63	394237	19.577	ug/L	96
21) 2-Butanone	7.19	43	149059	30.624	ug/L	96
22) cis-1,2-Dichloroethene	7.18	96	234411	20.237	ug/L	97
23) Bromochloromethane	7.52	128	122596	22.113	ug/L	93
25) Chloroform	7.68	83	397587	19.342	ug/L	99
27) 1,2-Dichloroethane	8.41	62	266149	19.273	ug/L	99
30) Cyclohexane	7.96	56	438096	24.784	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	368778	23.222	ug/L	98
32) Carbon tetrachloride	8.07	117	325355	21.259	ug/L	98
34) Benzene	8.33	78	1092730	23.712	ug/L	100
35) Trichloroethene	9.10	95	265727	22.924	ug/L	97
36) Methylcyclohexane	9.34	83	491889	24.174	ug/L	98
40) 1,2-Dichloropropane	9.37	63	270647	22.175	ug/L	99
41) Bromodichloromethane	9.65	83	297994	20.326	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	383960	22.997	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	386941	42.282	ug/L	98

Data File : VW004887.D
Acq On : 22 Aug 2018 16:28
Operator : SY/AP
Sample : VSTD02583
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

Quant Time: Aug 22 16:55:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 22 14:02:25 2018
Response via : Initial Calibration

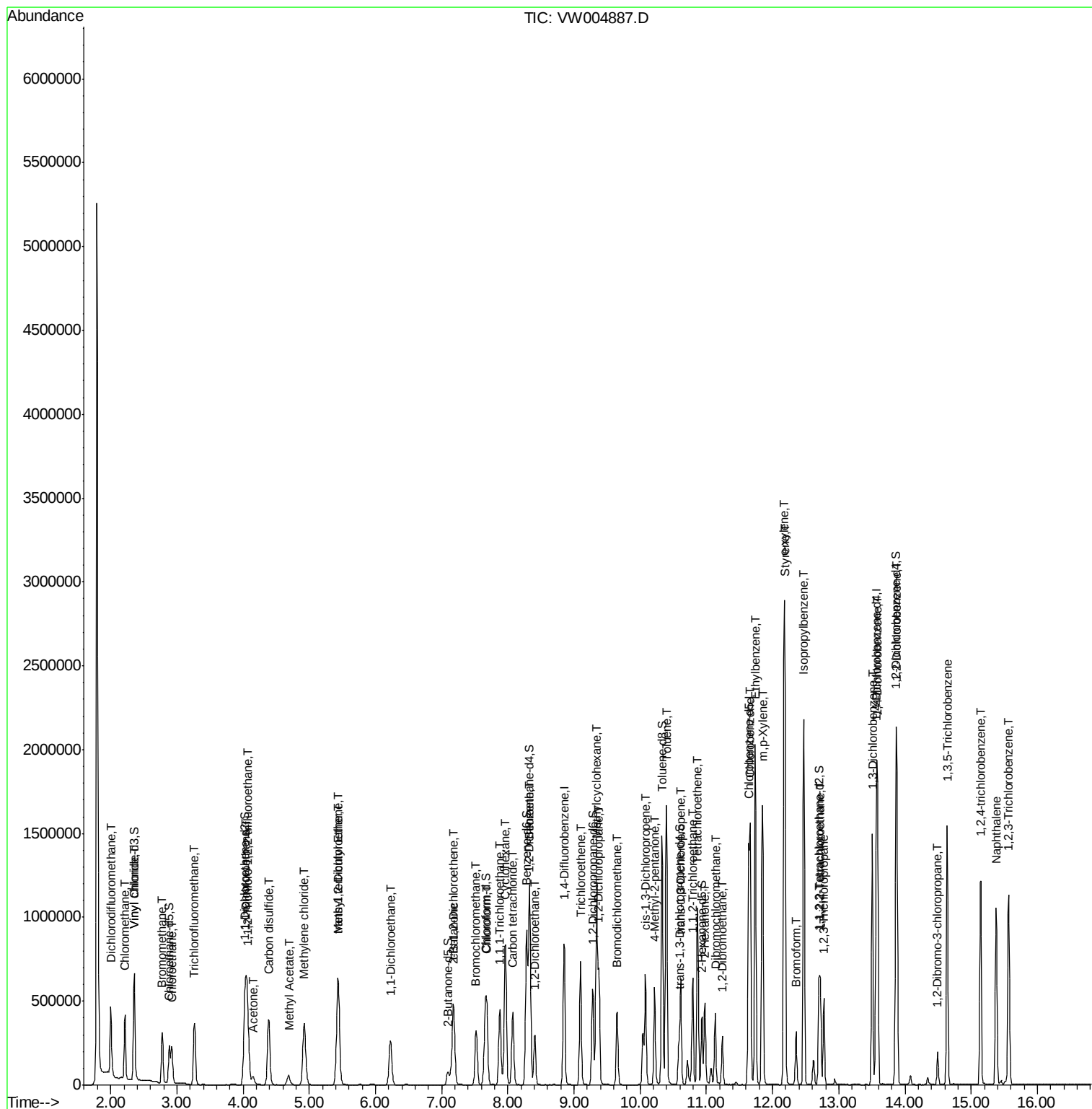
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.40	91	1291153	27.841	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	344150	22.931	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	206453	21.758	ug/L	98
47) Tetrachloroethene	10.87	164	254062	27.702	ug/L	98
49) 2-Hexanone	10.98	43	305556	44.431	ug/L	98
50) Dibromochloromethane	11.13	129	232545	22.093	ug/L	99
51) 1,2-Dibromoethane	11.24	107	201526	22.157	ug/L	99
52) Chlorobenzene	11.66	112	826972	26.368	ug/L	99
53) Ethylbenzene	11.74	91	1440200	27.637	ug/L	100
54) m,p-Xylene	11.85	106	562694	28.941	ug/L	98
55) o-xylene	12.17	106	529526	28.744	ug/L	96
56) Styrene	12.19	104	923984	28.783	ug/L	98
57) Isopropylbenzene	12.47	105	1412878	28.333	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	285746	20.749	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	220107	21.400	ug/L	100
62) Bromoform	12.35	173	150554	21.309	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	644277	26.635	ug/L	97
64) 1,4-Dichlorobenzene	13.59	146	670358	25.786	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	630742	26.024	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	49054	19.703	ug/L	89
67) 1,3,5-Trichlorobenzene	14.64	180	517768	27.002	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	426496	27.492	ug/L	99
69) Naphthalene	15.38	128	894902	25.295	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	412926	27.332	ug/L	99

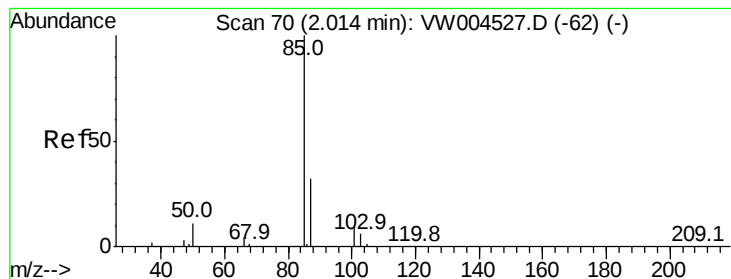
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW004887.D
Acq On : 22 Aug 2018 16:28
Operator : SY/AP
Sample : VSTD02583
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample Id :
VSTD02583

Quant Time: Aug 22 16:55:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 22 14:02:25 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 41.914 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

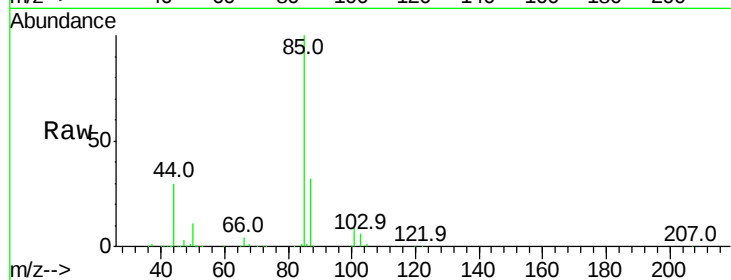
VSTD02583

Tgt Ion: 85 Resp: 326143

Ion Ratio Lower Upper

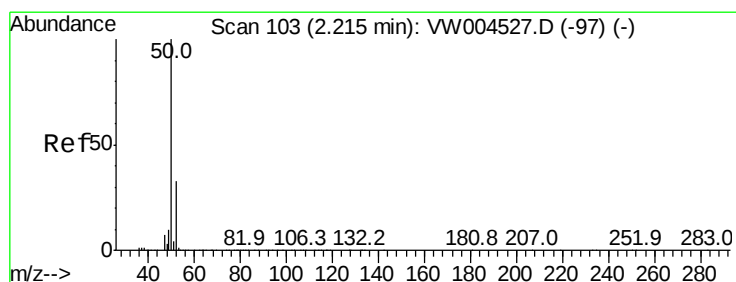
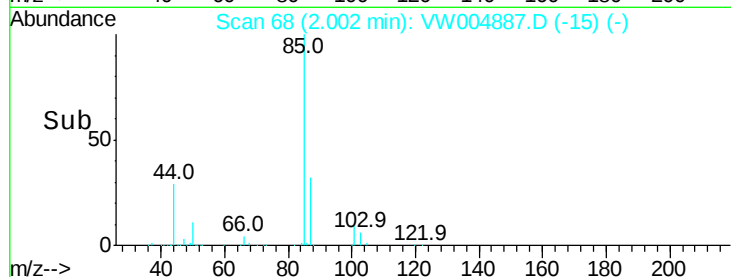
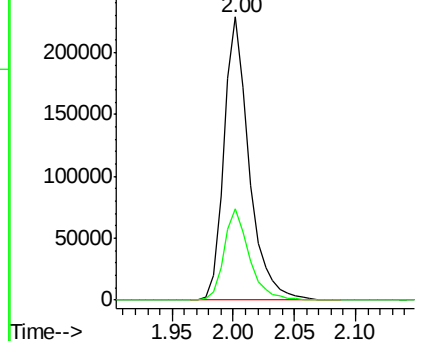
85 100

87 32.3 20.2 37.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 34.806 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004887.D

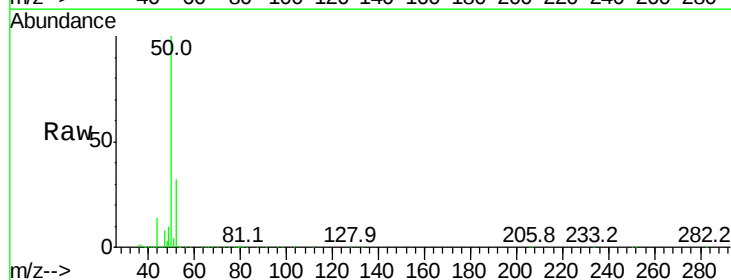
Acq: 22 Aug 2018 16:28

Tgt Ion: 50 Resp: 357732

Ion Ratio Lower Upper

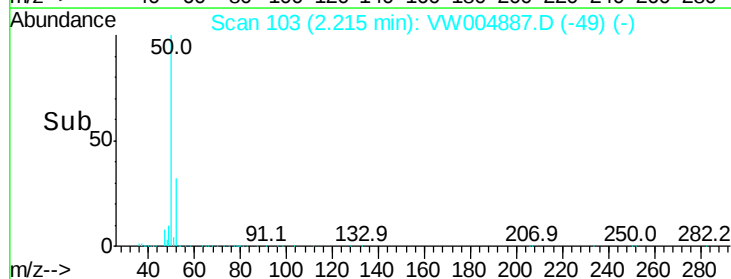
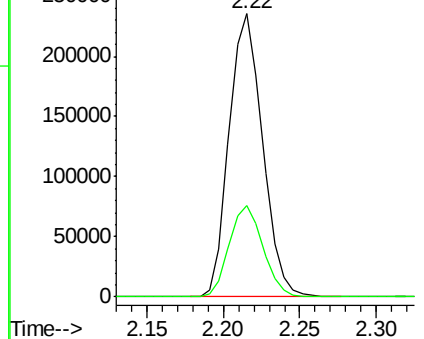
50 100

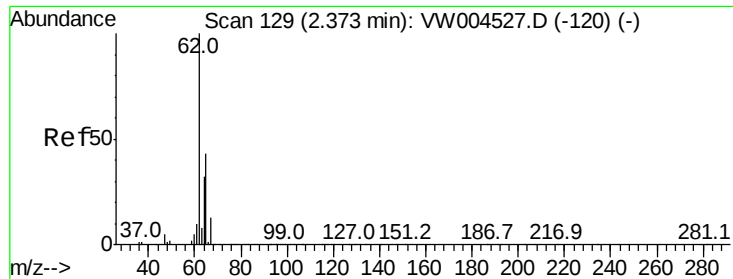
52 32.2 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.581 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

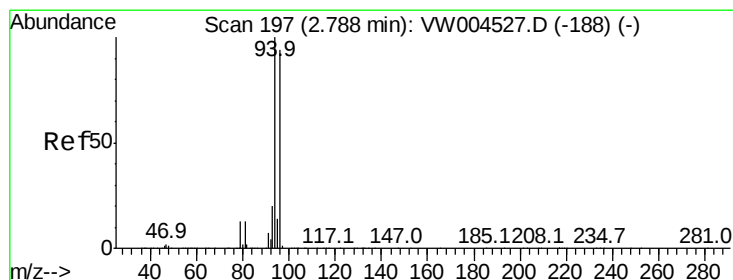
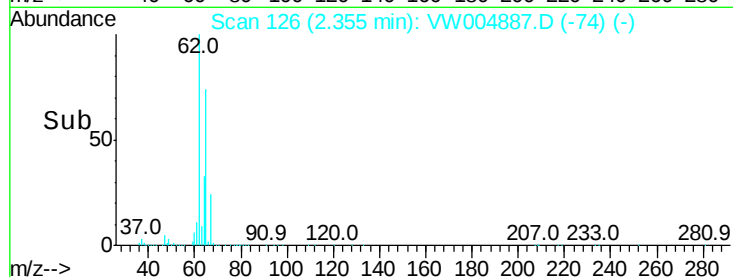
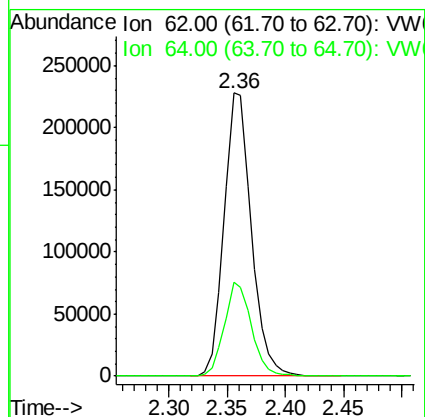
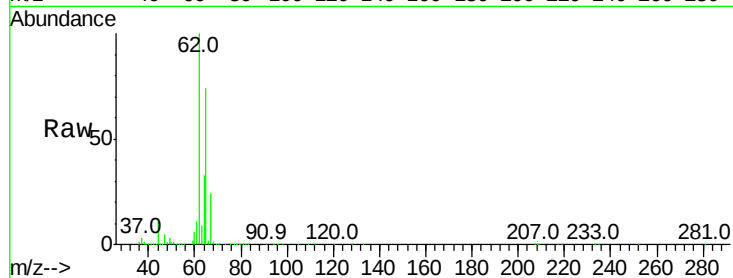
VSTD02583

Tgt Ion: 62 Resp: 369911

Ion Ratio Lower Upper

62 100

64 33.3 24.0 44.6



#6

Bromomethane

Concen: 25.451 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004887.D

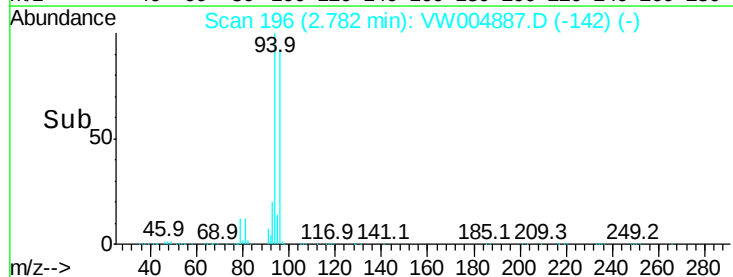
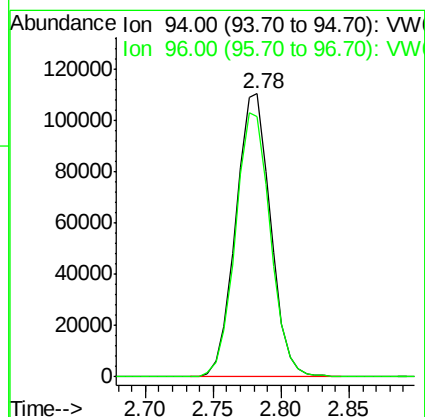
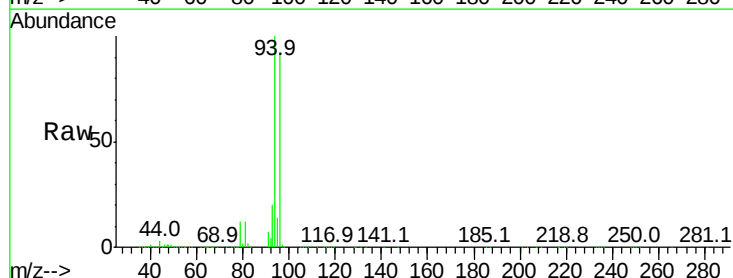
Acq: 22 Aug 2018 16:28

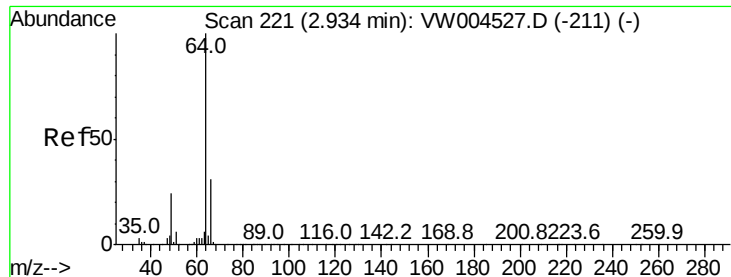
Tgt Ion: 94 Resp: 197415

Ion Ratio Lower Upper

94 100

96 93.5 9.2 175.2





#8

Chloroethane

Concen: 25.699 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

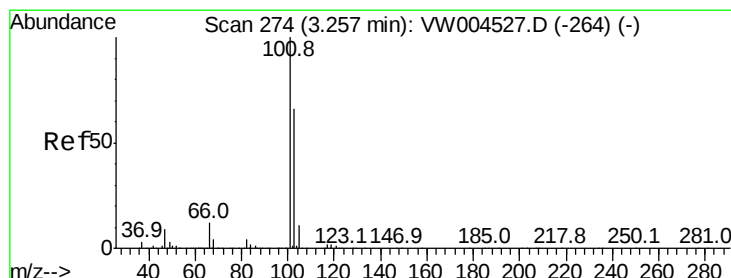
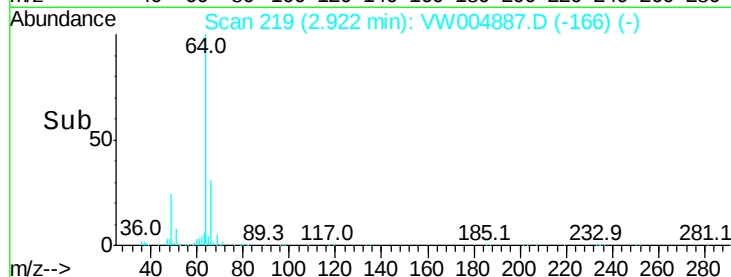
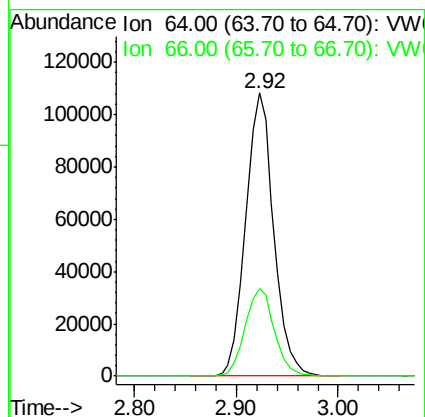
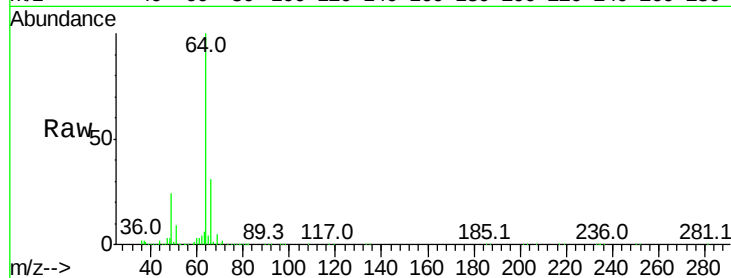
VSTD02583

Tgt Ion: 64 Resp: 206778

Ion Ratio Lower Upper

64 100

66 30.7 22.8 42.4



#9

Trichlorofluoromethane

Concen: 62.494 ug/L

RT: 3.26 min Scan# 275

Delta R.T. 0.01 min

Lab File: VW004887.D

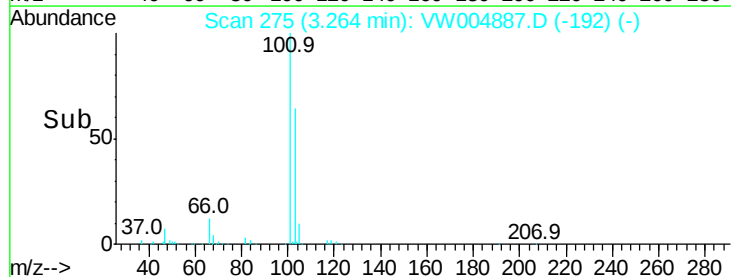
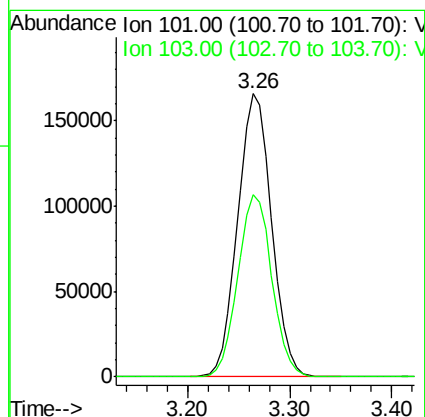
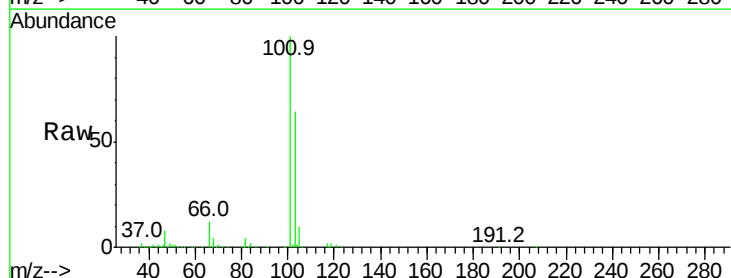
Acq: 22 Aug 2018 16:28

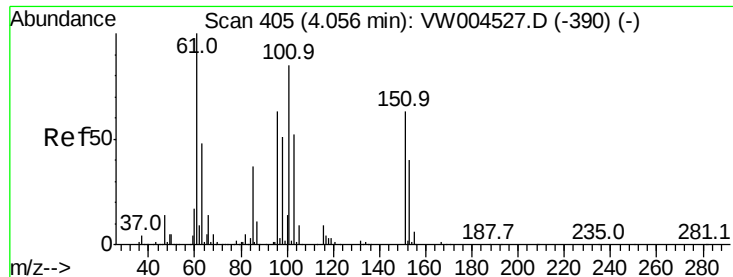
Tgt Ion: 101 Resp: 382308

Ion Ratio Lower Upper

101 100

103 64.4 45.3 84.1





#11

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

Concen: 21.944 ug/L

RT: 4.07 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

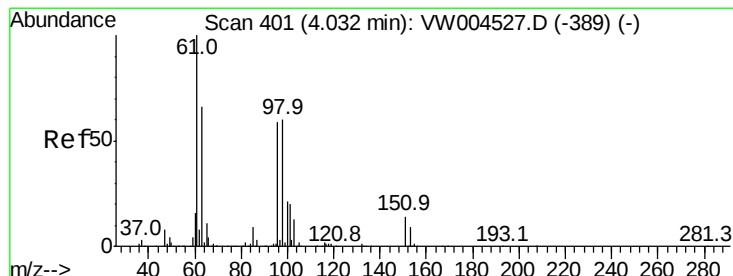
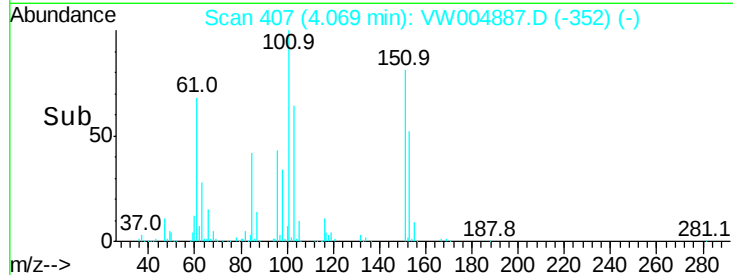
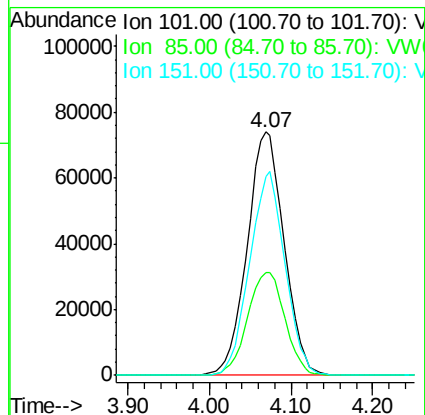
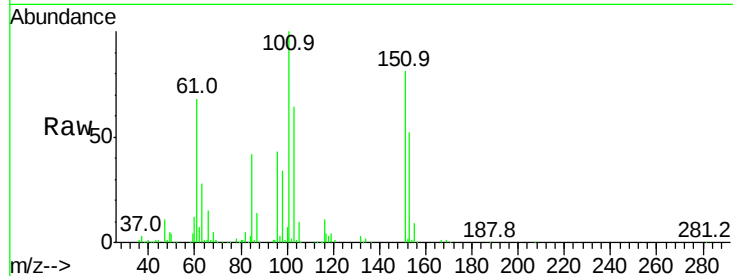
Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion:	101	Resp:	233088
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.6	53.4
151	80.1	62.6	94.0



#12

1,1-Dichloroethene

Concen: 19.955 ug/L

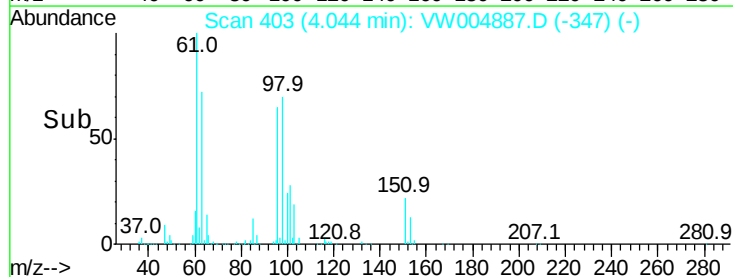
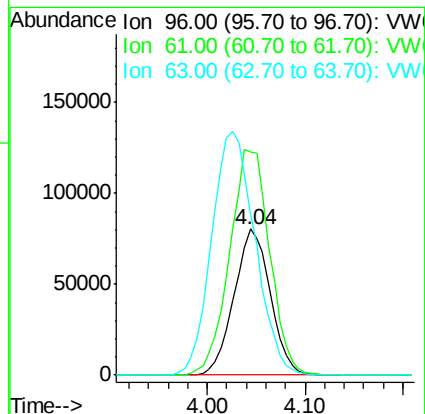
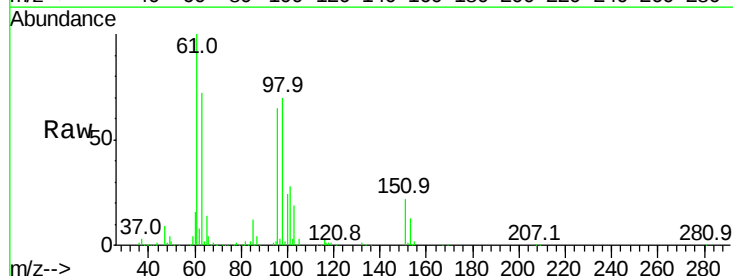
RT: 4.04 min Scan# 403

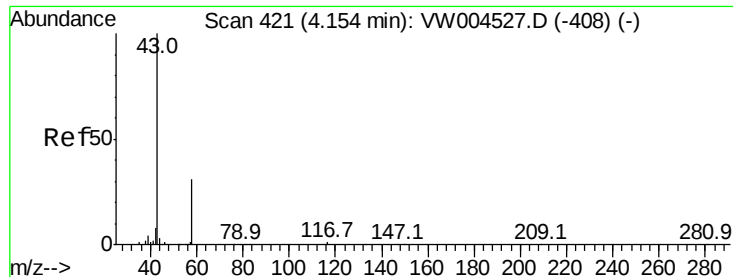
Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Tgt Ion:	96	Resp:	207076
Ion Ratio	Lower	Upper	
96	100		
61	152.9	115.9	215.3
63	109.8	78.0	144.9





#13

Acetone

Concen: 24.259 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

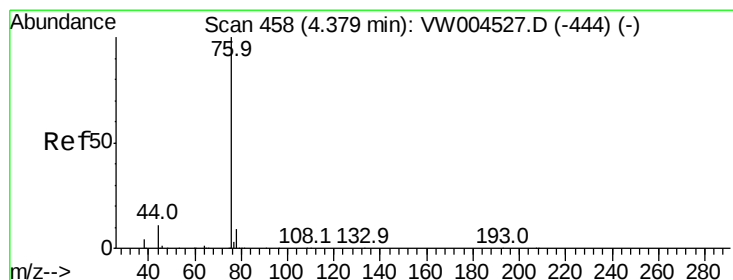
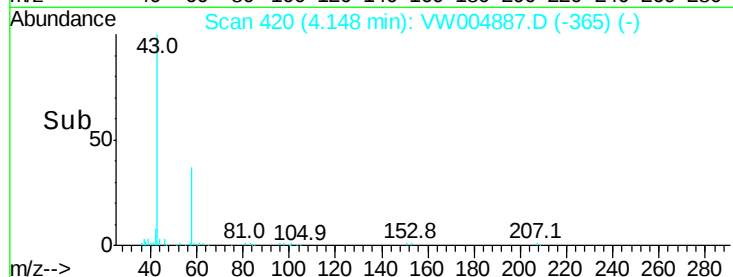
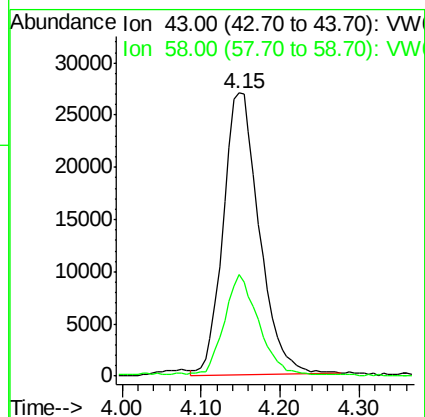
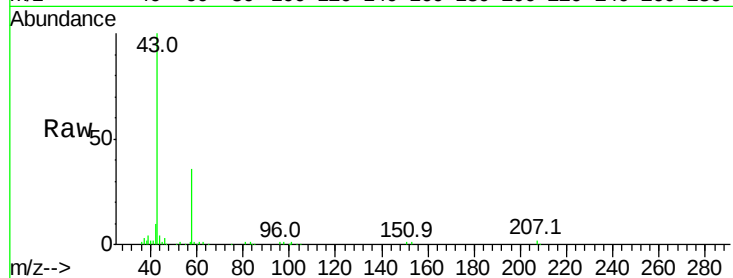
VSTD02583

Tgt Ion: 43 Resp: 86266

Ion Ratio Lower Upper

43 100

58 34.7 0.0 66.4



#14

Carbon disulfide

Concen: 26.120 ug/L

RT: 4.39 min Scan# 459

Delta R.T. 0.01 min

Lab File: VW004887.D

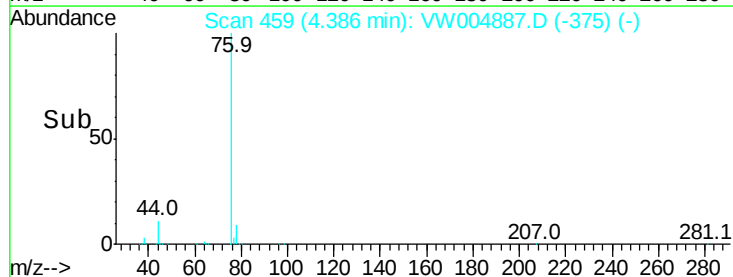
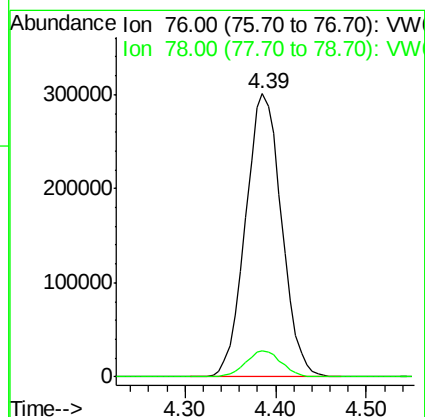
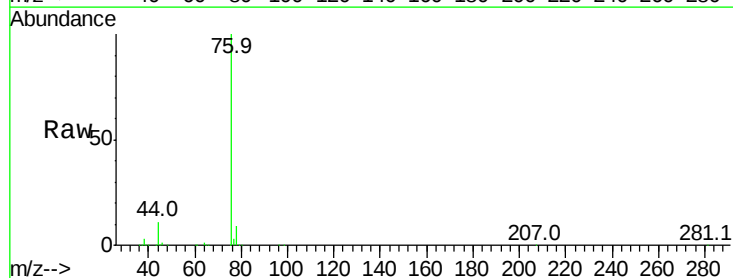
Acq: 22 Aug 2018 16:28

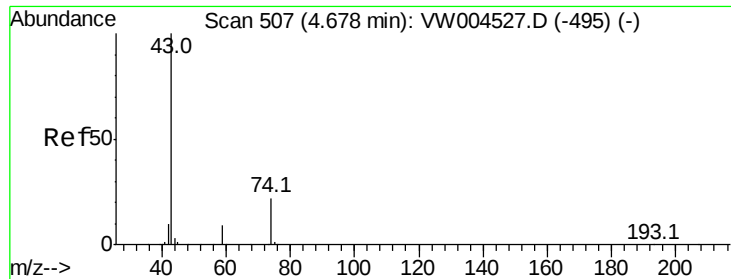
Tgt Ion: 76 Resp: 831419

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

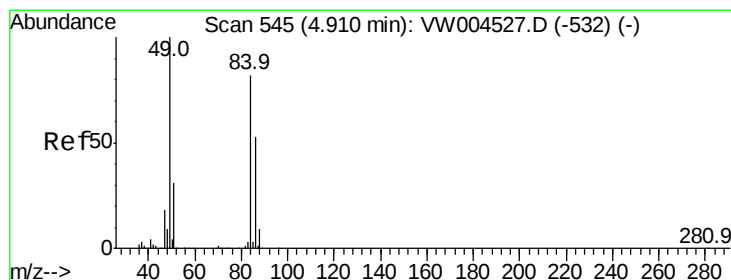
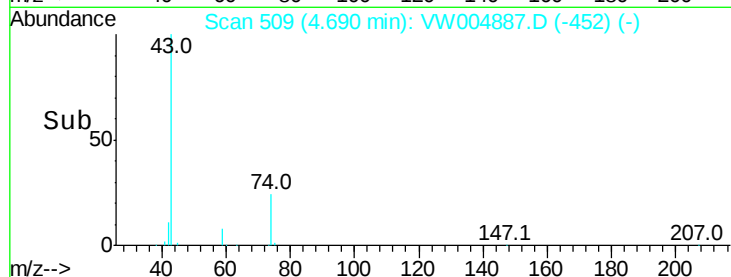
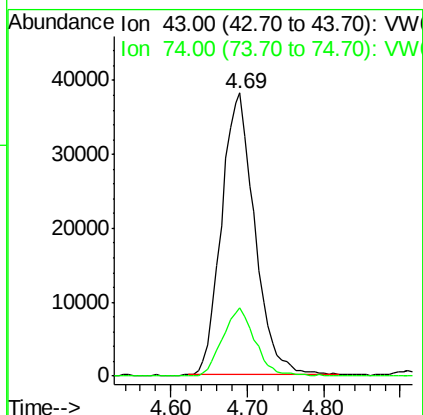
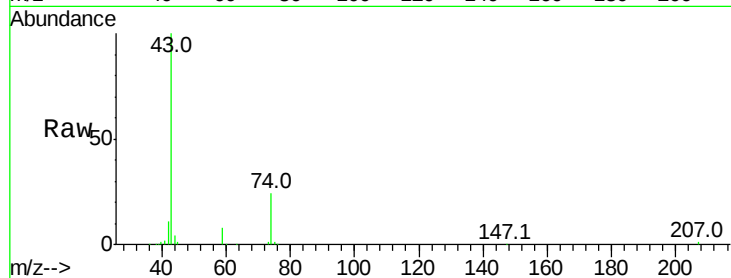




#15
Methyl Acetate
Concen: 15.818 ug/L
RT: 4.69 min Scan# 509
Delta R.T. 0.02 min
Lab File: VW004887.D
Acq: 22 Aug 2018 16:28

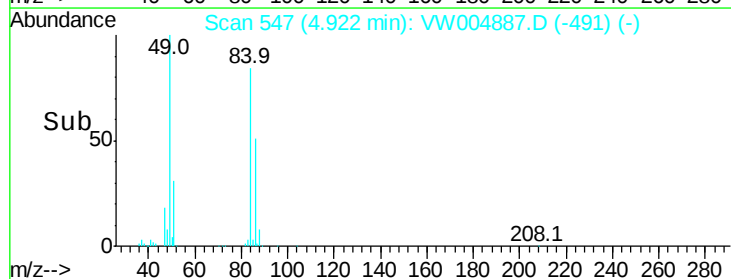
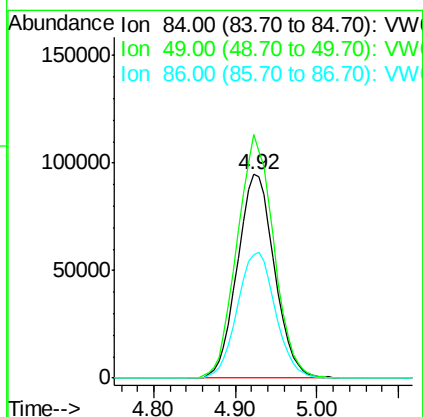
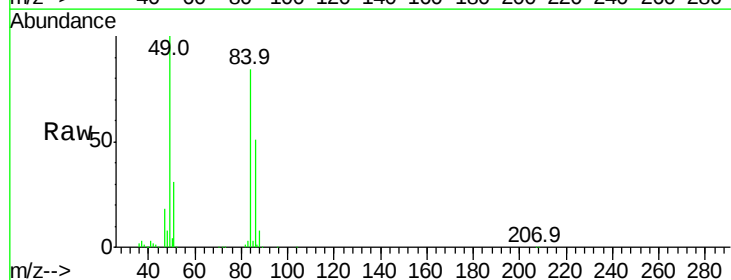
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

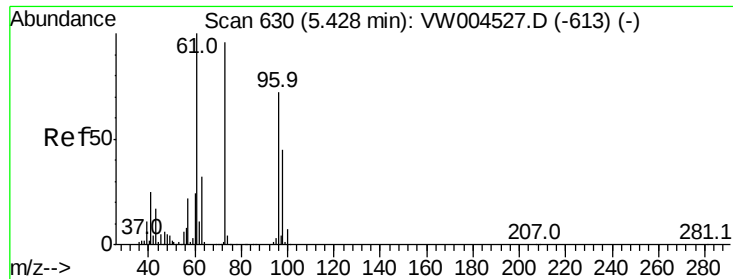
Tgt Ion: 43 Resp: 114648
Ion Ratio Lower Upper
43 100
74 23.2 18.6 28.0



#16
Methylene chloride
Concen: 20.194 ug/L
RT: 4.92 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW004887.D
Acq: 22 Aug 2018 16:28

Tgt Ion: 84 Resp: 300180
Ion Ratio Lower Upper
84 100
49 119.7 86.0 159.6
86 60.8 43.5 80.9





#17

Methyl tert-butyl Ether

Concen: 34.144 ug/L

RT: 5.44 min Scan# 632

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampled :

VSTD02583

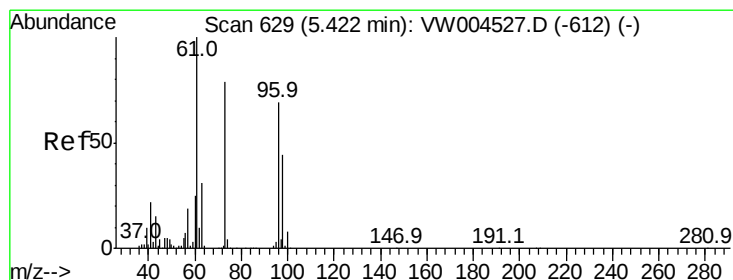
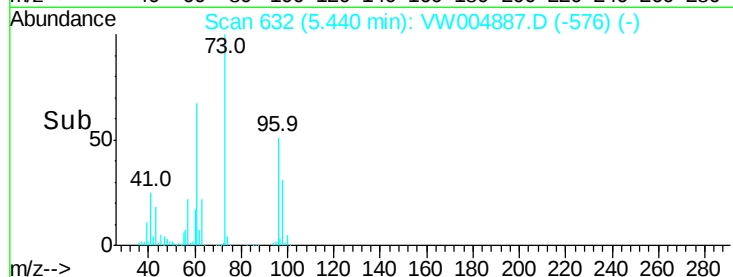
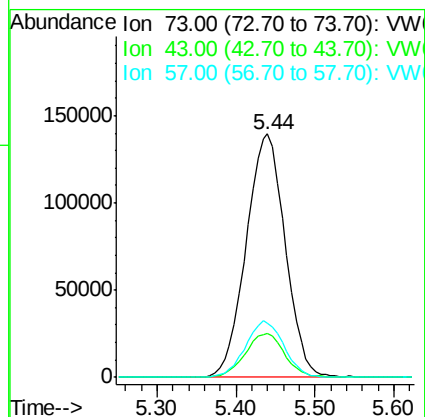
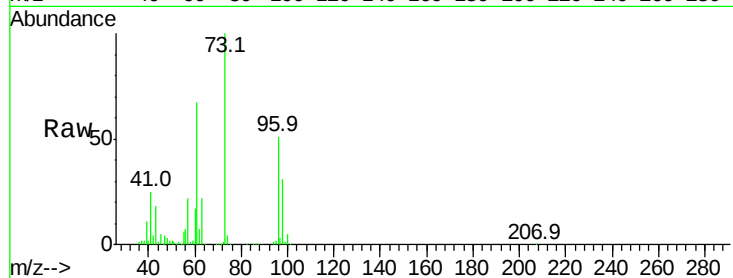
Tgt Ion: 73 Resp: 479615

Ion Ratio Lower Upper

73 100

43 18.3 16.2 24.2

57 22.8 18.9 28.3



#18

trans-1,2-Dichloroethene

Concen: 20.560 ug/L

RT: 5.43 min Scan# 631

Delta R.T. 0.02 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

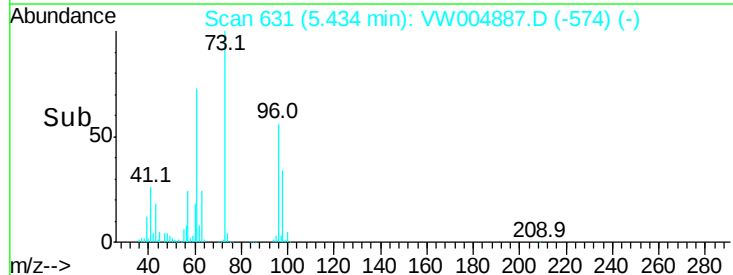
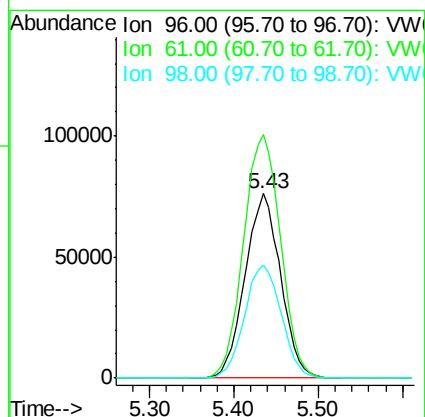
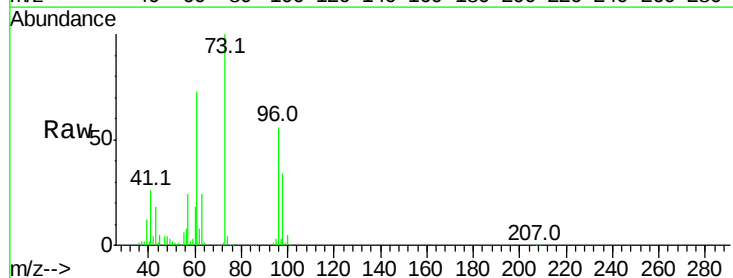
Tgt Ion: 96 Resp: 218186

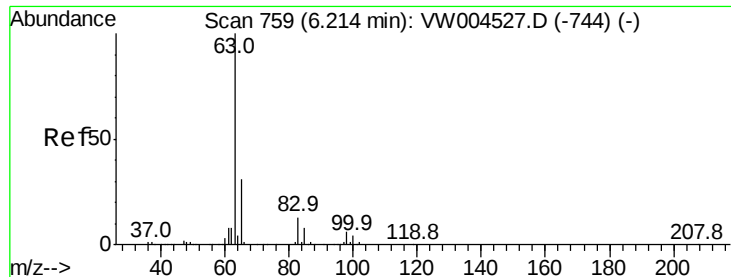
Ion Ratio Lower Upper

96 100

61 132.2 97.9 181.7

98 61.1 43.0 79.8





#19

1,1-Dichloroethane

Concen: 19.577 ug/L

RT: 6.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

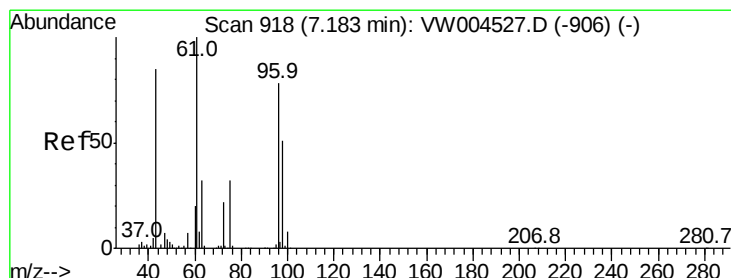
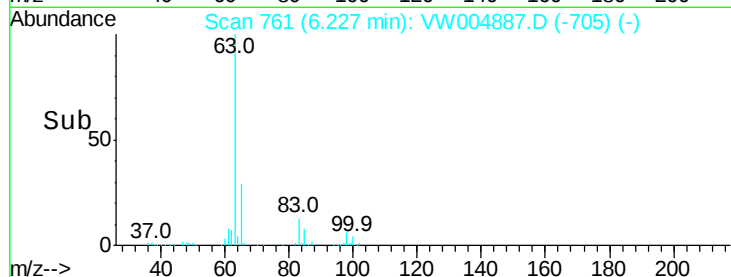
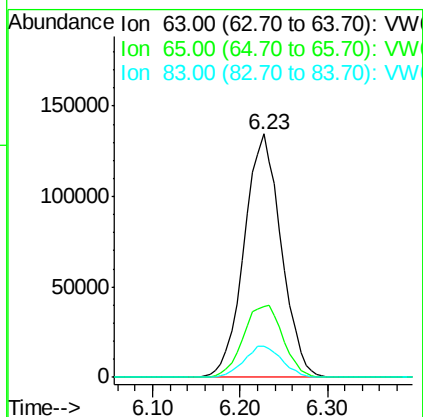
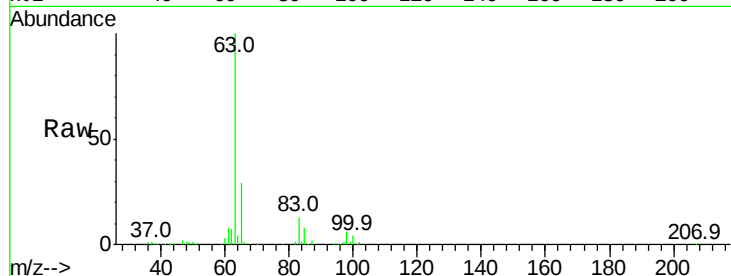
Tgt Ion: 63 Resp: 394237

Ion Ratio Lower Upper

63 100

65 29.3 22.5 41.7

83 12.6 9.3 17.3



#21

2-Butanone

Concen: 30.624 ug/L

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW004887.D

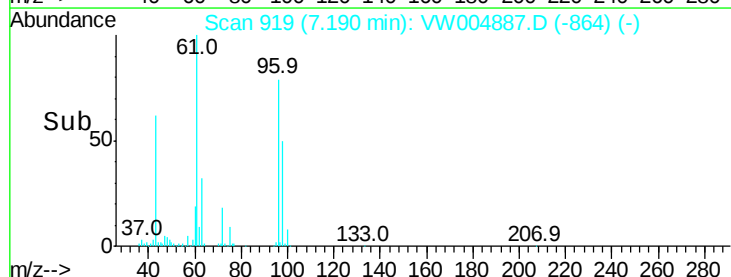
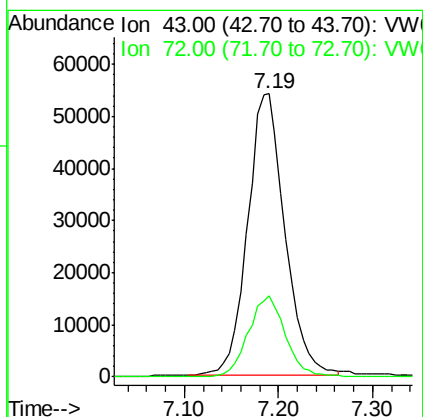
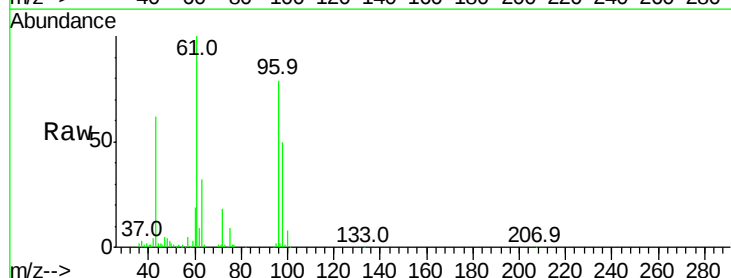
Acq: 22 Aug 2018 16:28

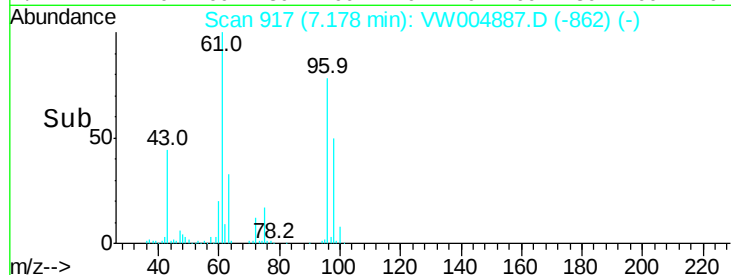
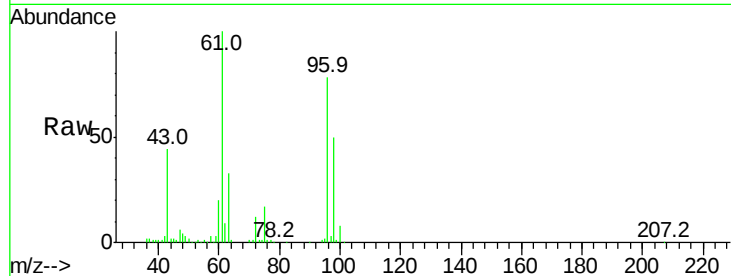
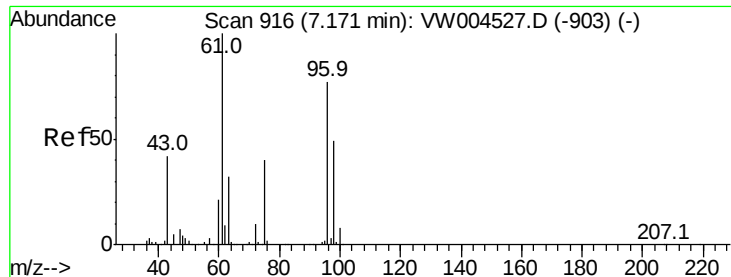
Tgt Ion: 43 Resp: 149059

Ion Ratio Lower Upper

43 100

72 28.5 13.2 39.6





#22

cis-1,2-Dichloroethene

Concen: 20.237 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

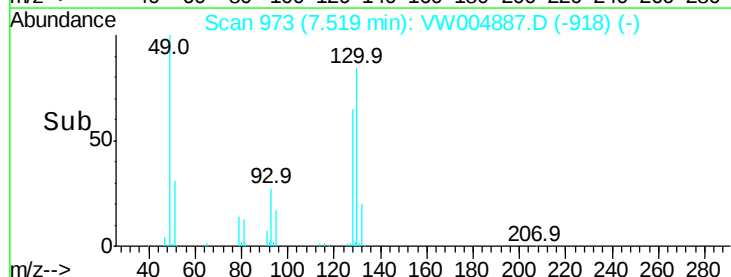
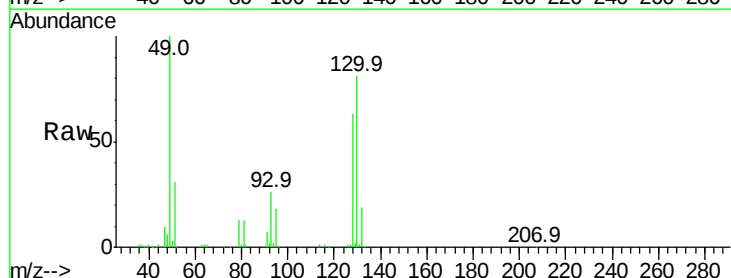
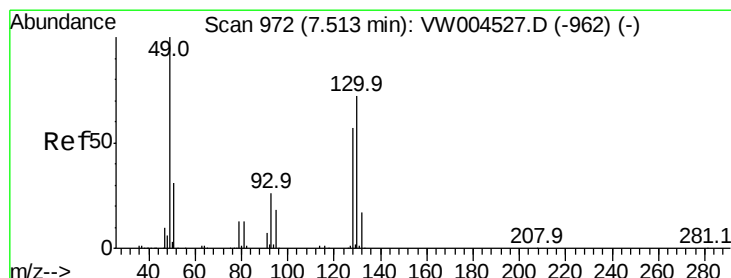
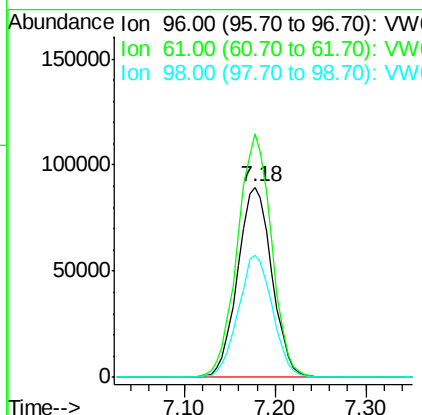
Tgt Ion: 96 Resp: 234411

Ion Ratio Lower Upper

96 100

61 128.2 92.5 171.7

98 64.3 44.1 81.9



#23

Bromochloromethane

Concen: 22.113 ug/L

RT: 7.52 min Scan# 973

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Tgt Ion: 128 Resp: 122596

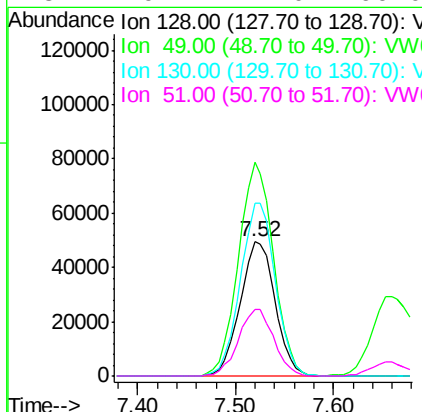
Ion Ratio Lower Upper

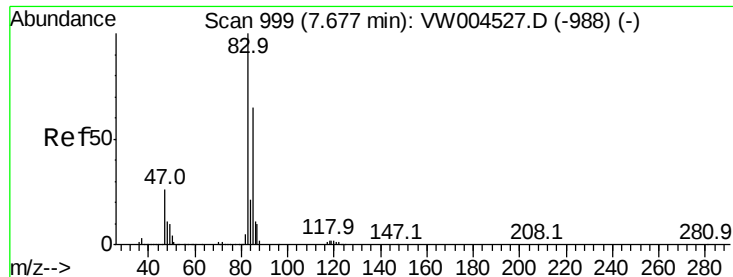
128 100

49 159.0 122.0 226.6

130 128.9 88.8 164.8

51 49.1 44.0 66.0





#25

Chloroform

Concen: 19.342 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

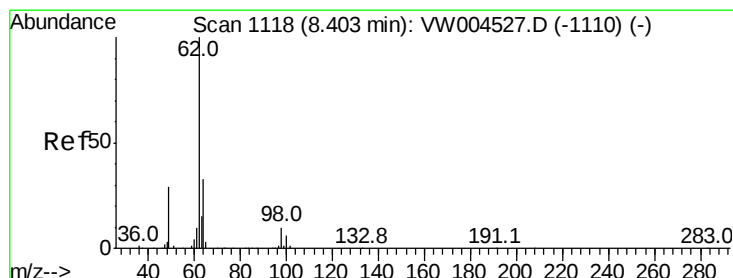
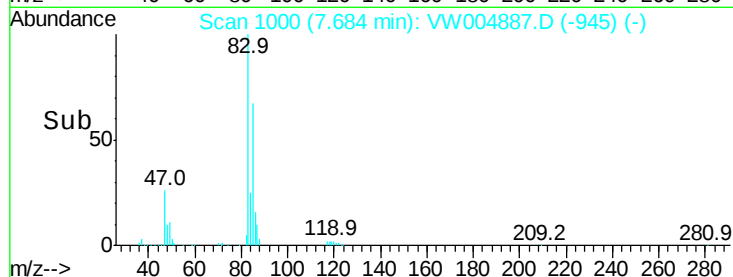
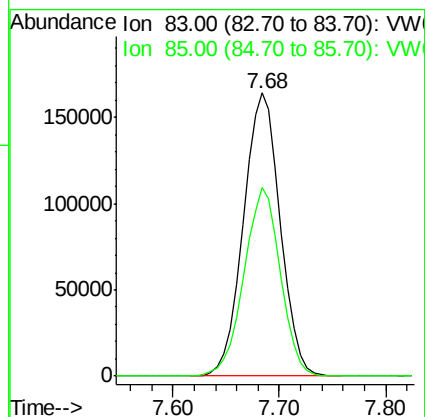
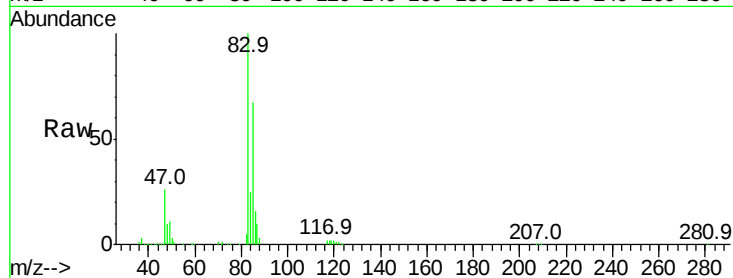
VSTD02583

Tgt Ion: 83 Resp: 397587

Ion Ratio Lower Upper

83 100

85 66.1 45.7 84.9



#27

1,2-Dichloroethane

Concen: 19.273 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VW004887.D

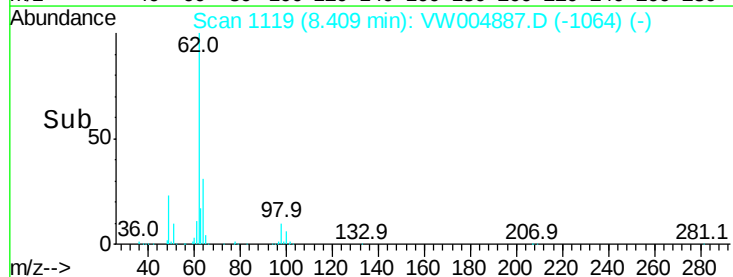
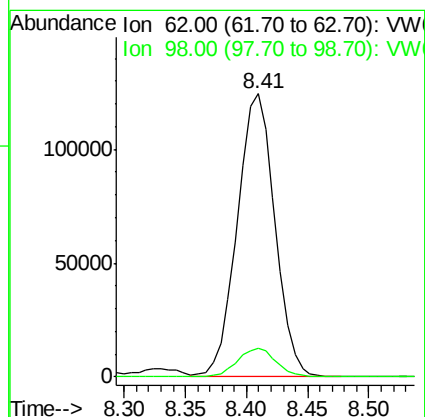
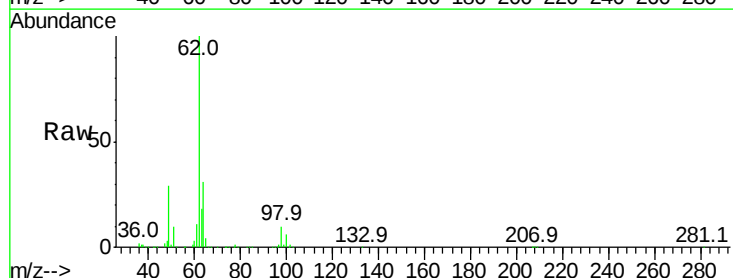
Acq: 22 Aug 2018 16:28

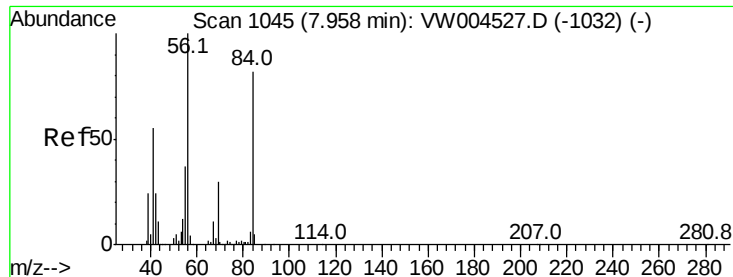
Tgt Ion: 62 Resp: 266149

Ion Ratio Lower Upper

62 100

98 10.0 7.6 11.4

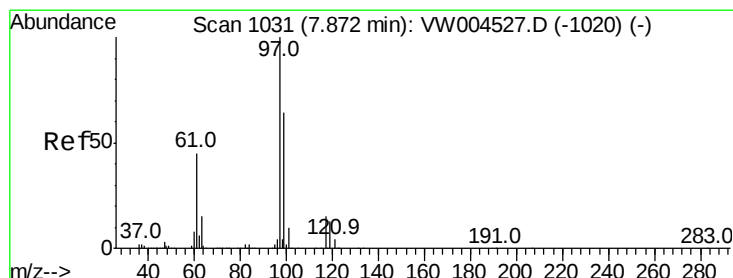
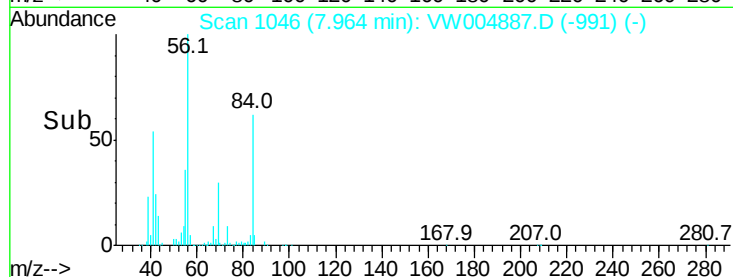
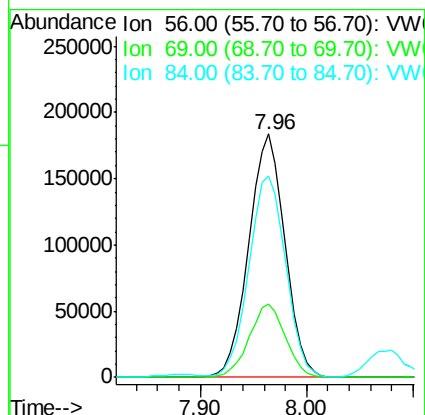
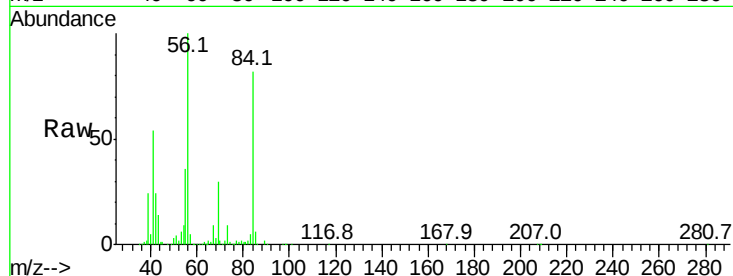




#30
Cyclohexane
Concen: 24.784 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VW004887.D
Acq: 22 Aug 2018 16:28

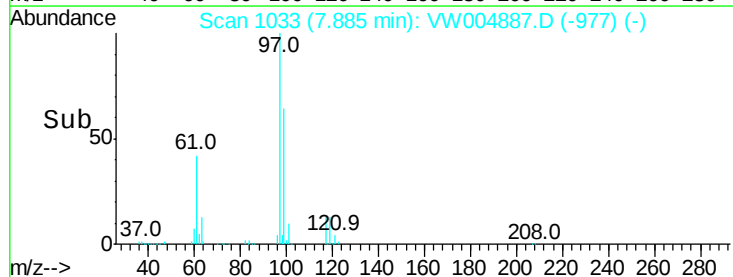
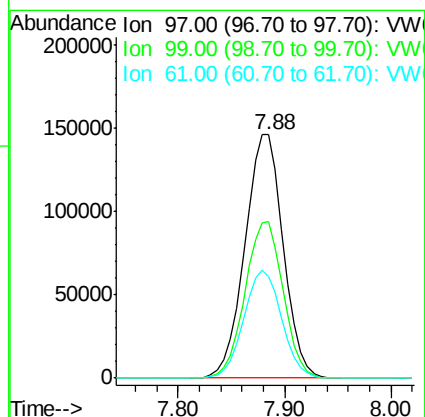
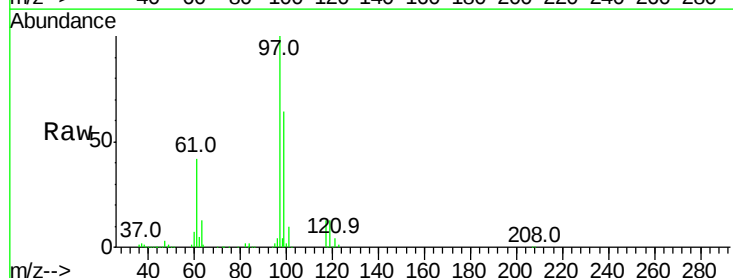
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

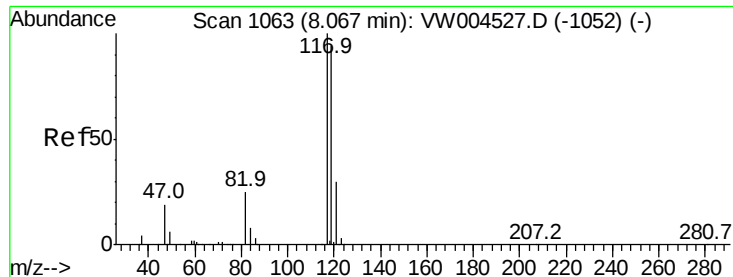
Tgt Ion: 56 Resp: 438096
Ion Ratio Lower Upper
56 100
69 30.1 24.0 36.0
84 84.6 66.7 100.1



#31
1,1,1-Trichloroethane
Concen: 23.222 ug/L
RT: 7.88 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VW004887.D
Acq: 22 Aug 2018 16:28

Tgt Ion: 97 Resp: 368778
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.6
61 43.6 37.3 55.9





#32

Carbon tetrachloride

Concen: 21.259 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

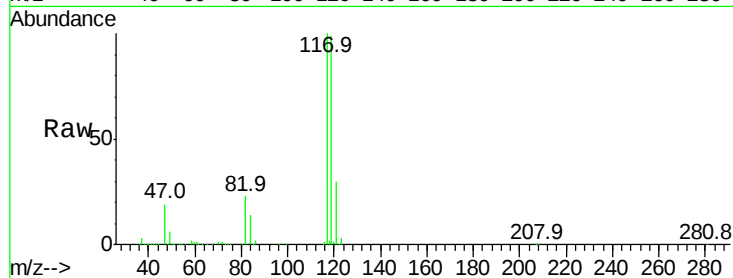
VSTD02583

Tgt Ion:117 Resp: 325355

Ion Ratio Lower Upper

117 100

119 97.8 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

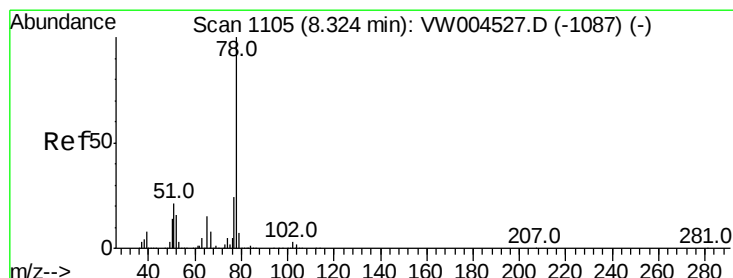
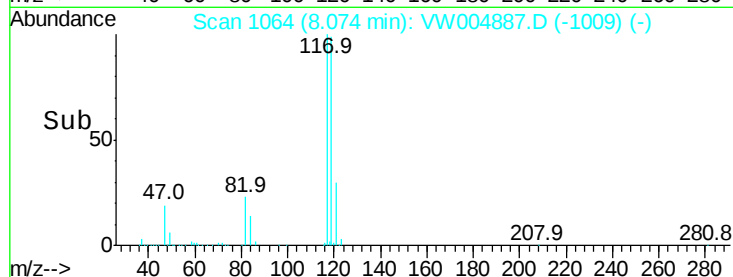
150000

100000

50000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 23.712 ug/L

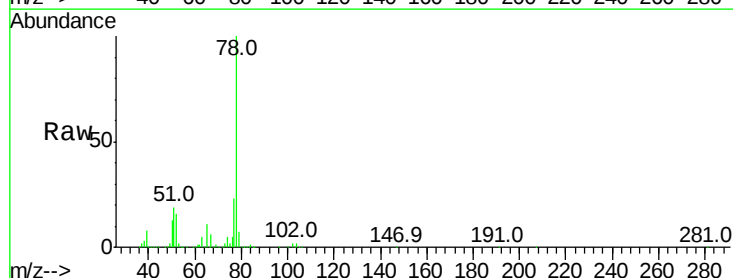
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Tgt Ion: 78 Resp: 1092730



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

500000

400000

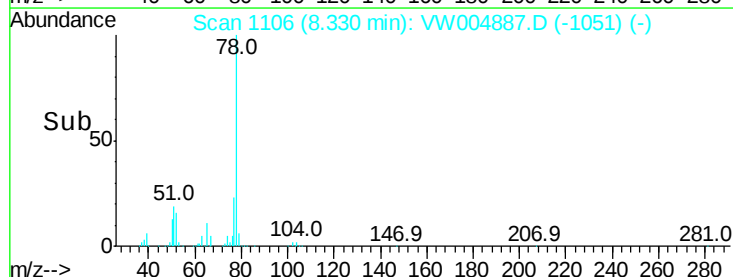
300000

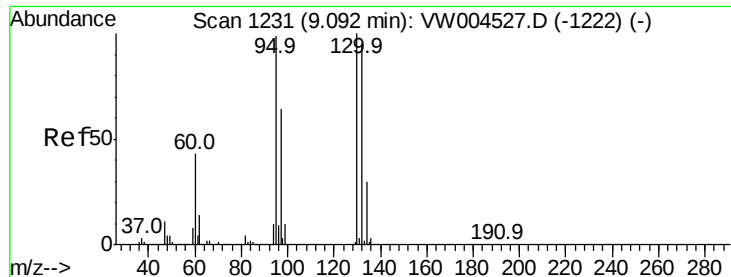
200000

100000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 22.924 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion: 95 Resp: 265727

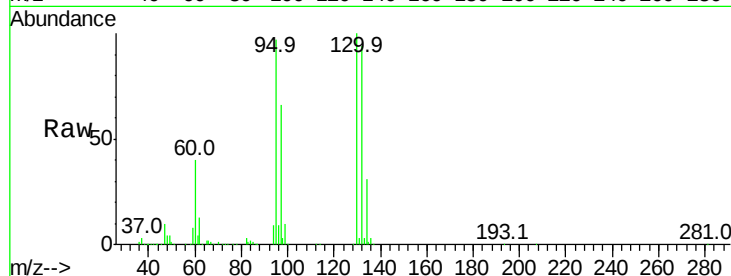
Ion Ratio Lower Upper

95 100

97 65.6 44.9 83.5

132 98.8 67.6 125.6

130 103.9 69.1 128.3

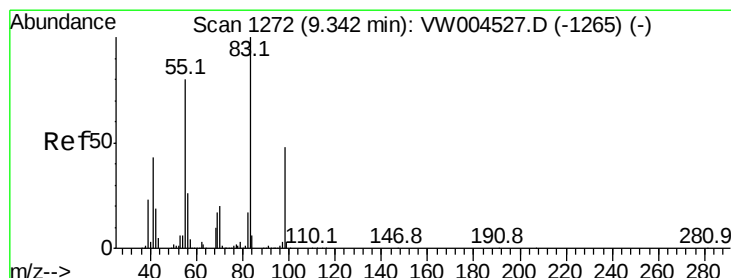
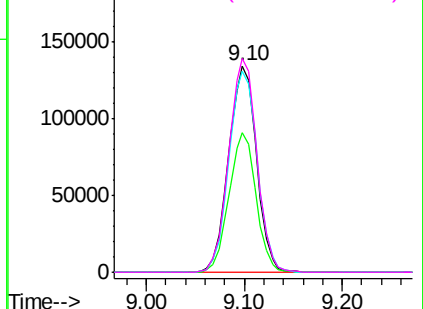
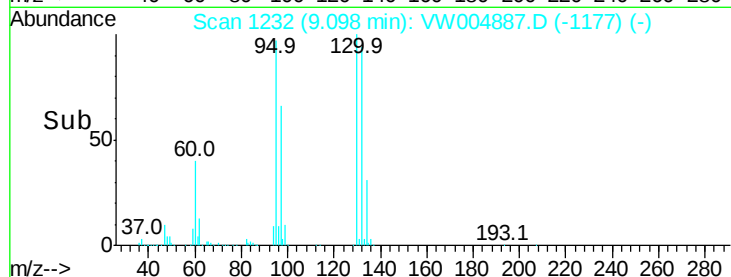


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.174 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

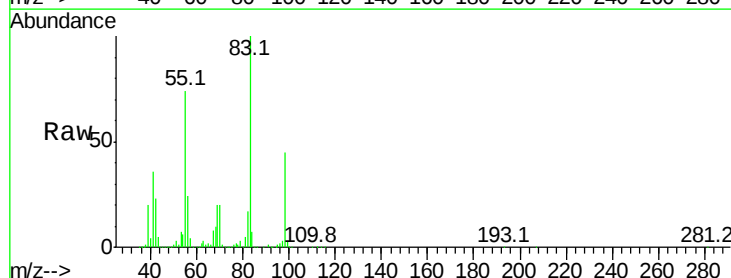
Tgt Ion: 83 Resp: 491889

Ion Ratio Lower Upper

83 100

55 76.4 62.8 94.2

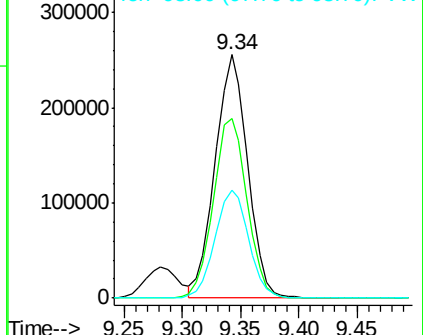
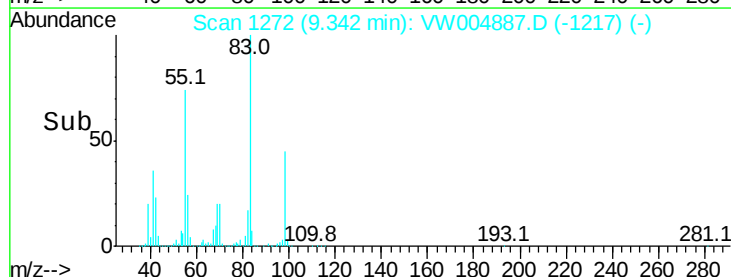
98 46.2 36.6 54.8

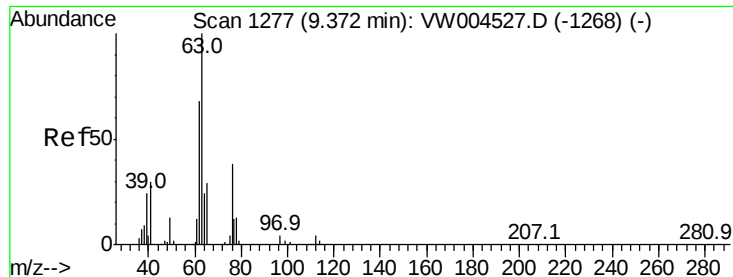


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 22.175 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

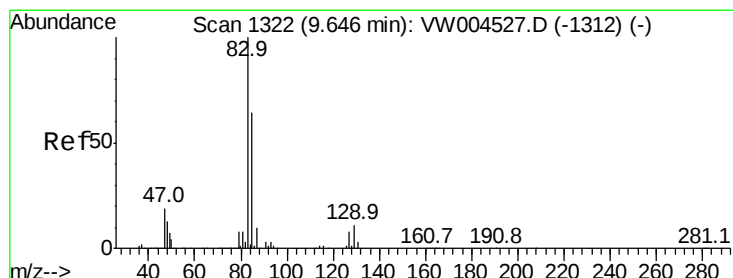
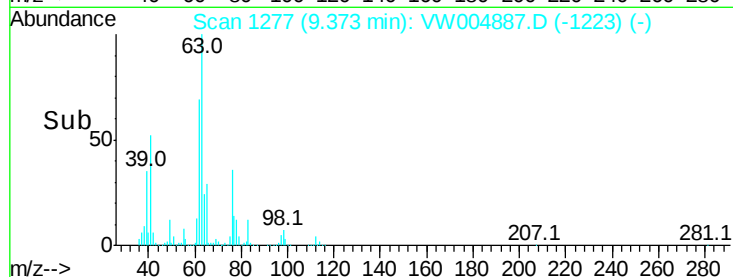
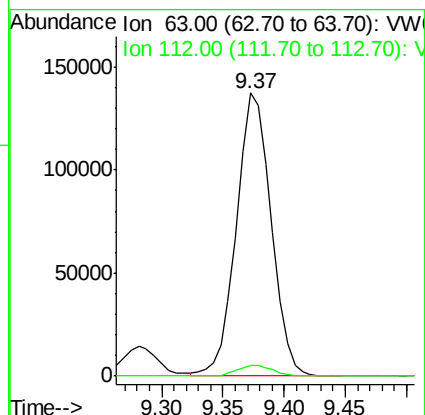
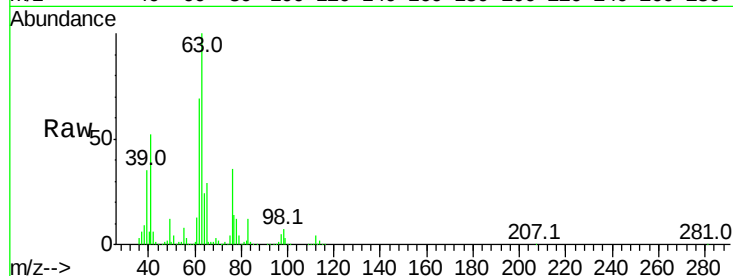
VSTD02583

Tgt Ion: 63 Resp: 270647

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



#41

Bromodichloromethane

Concen: 20.326 ug/L

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

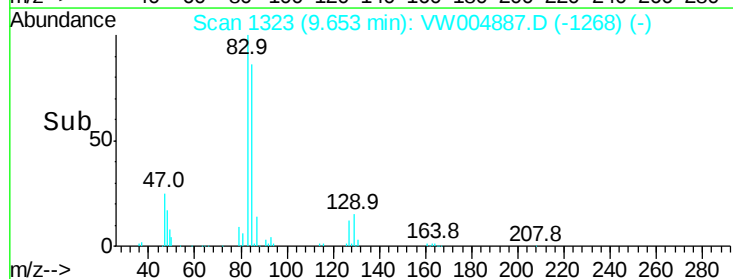
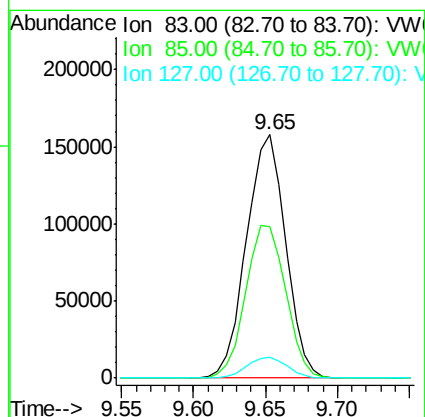
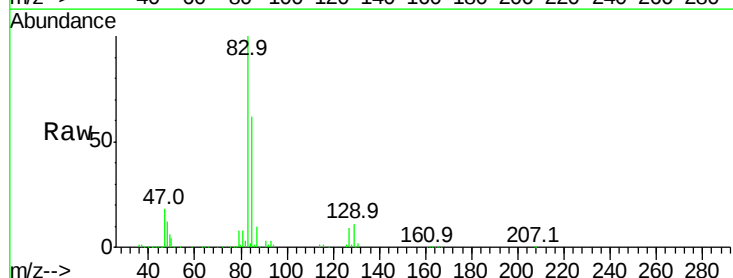
Tgt Ion: 83 Resp: 297994

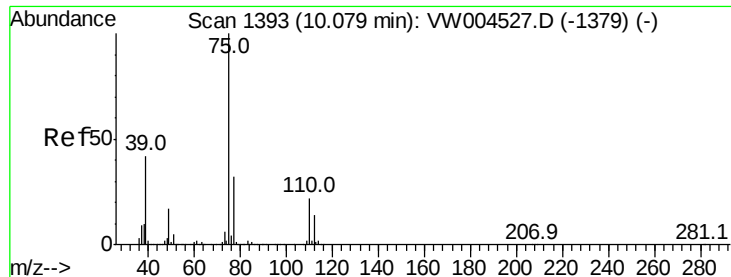
Ion Ratio Lower Upper

83 100

85 62.3 43.7 81.1

127 8.8 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 22.997 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

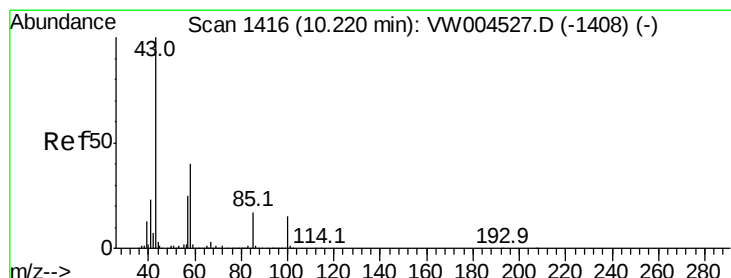
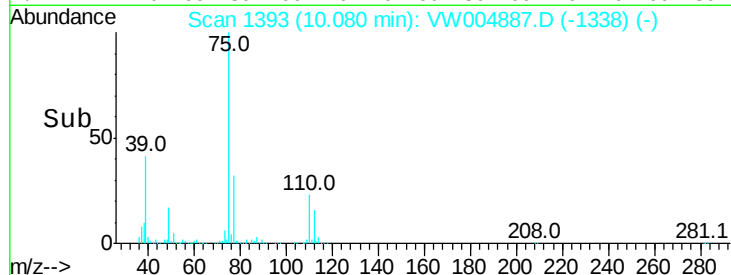
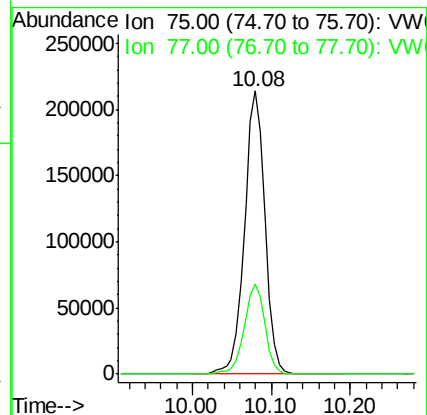
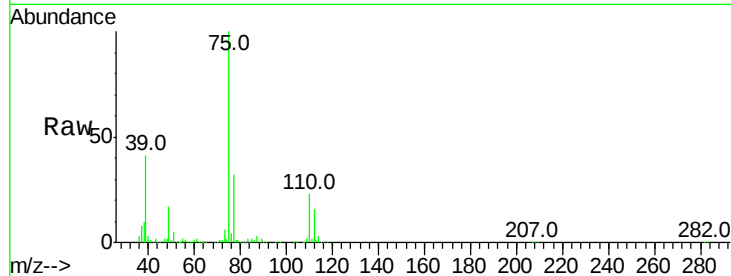
VSTD02583

Tgt Ion: 75 Resp: 383960

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 42.282 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

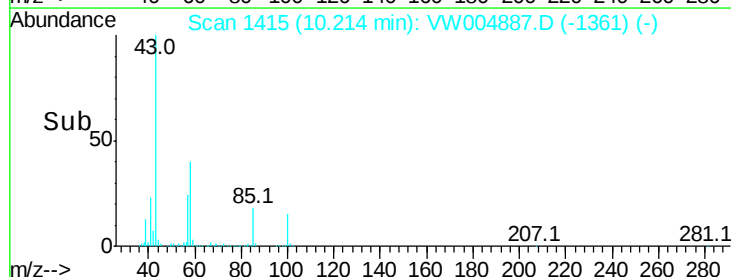
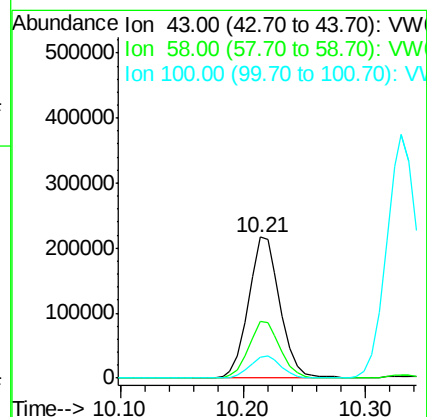
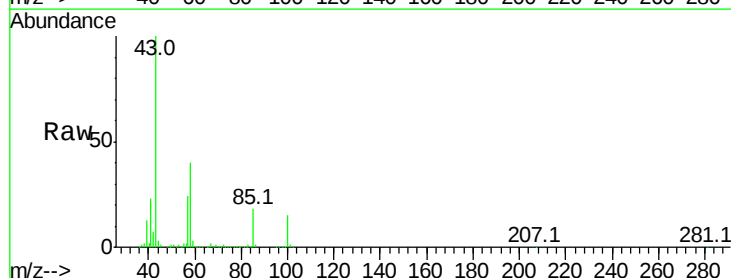
Tgt Ion: 43 Resp: 386941

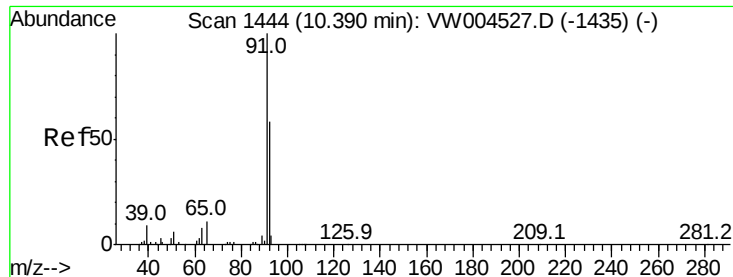
Ion Ratio Lower Upper

43 100

58 40.1 31.5 47.3

100 15.7 11.7 17.5





#44

Toluene

Concen: 27.841 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. 0.01 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

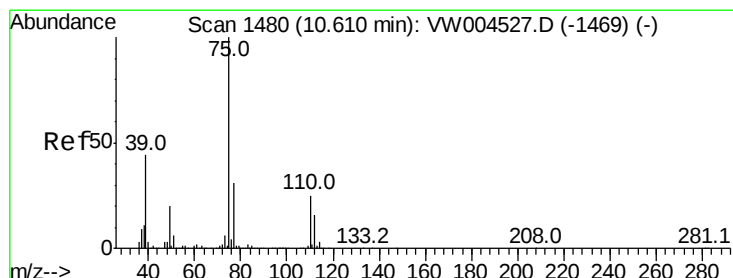
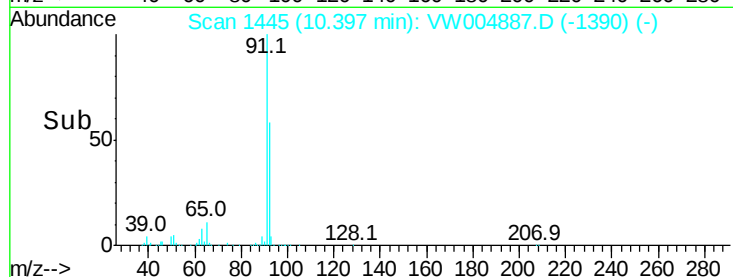
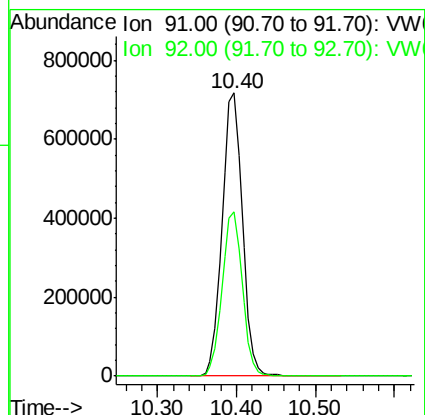
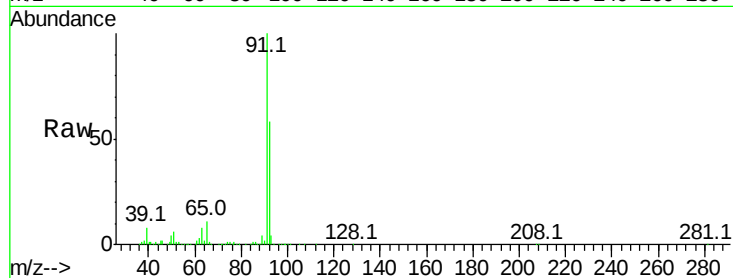
VSTD02583

Tgt Ion: 91 Resp: 1291153

Ion Ratio Lower Upper

91 100

92 58.0 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 22.931 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004887.D

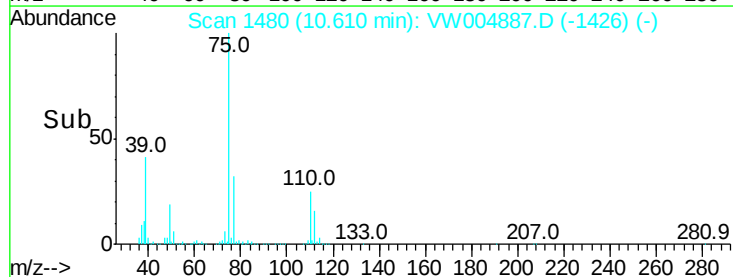
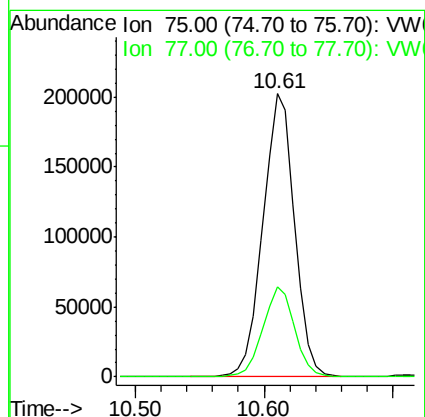
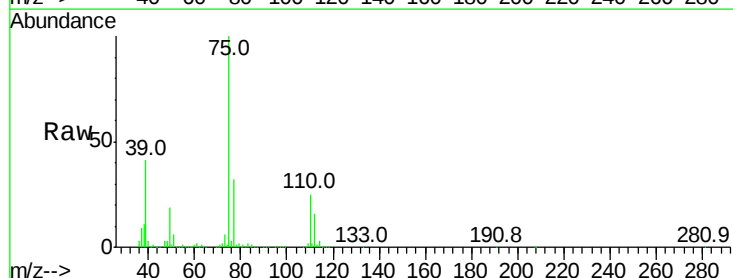
Acq: 22 Aug 2018 16:28

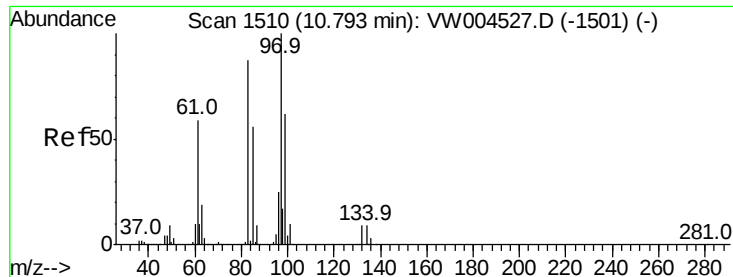
Tgt Ion: 75 Resp: 344150

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 21.758 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion: 97 Resp: 206453

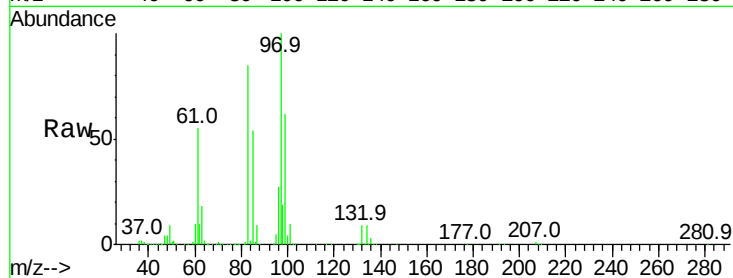
Ion Ratio Lower Upper

97 100

83 85.2 61.8 114.8

85 54.5 38.8 72.0

99 62.5 43.0 80.0

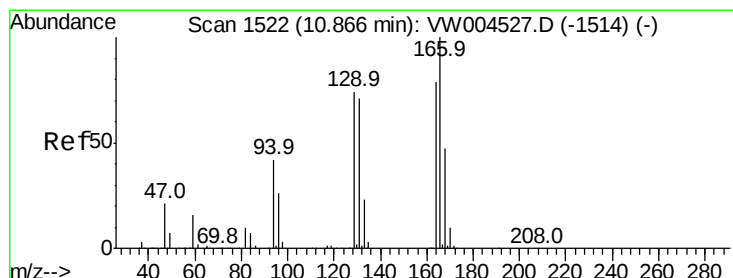
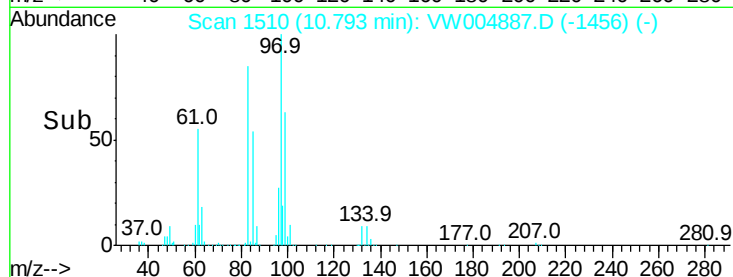
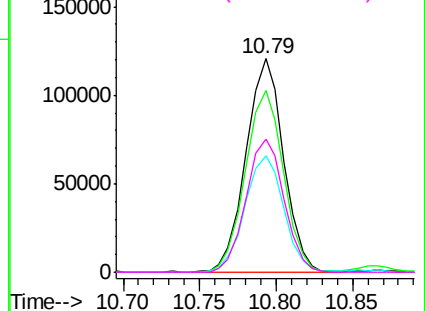


Abundance Ion 97.00 (96.70 to 97.70): VW

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



#47

Tetrachloroethene

Concen: 27.702 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Tgt Ion: 164 Resp: 254062

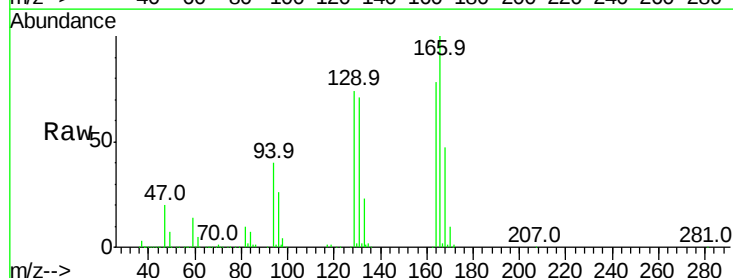
Ion Ratio Lower Upper

164 100

129 95.4 65.4 121.4

131 91.5 63.8 118.6

166 128.3 88.1 163.5

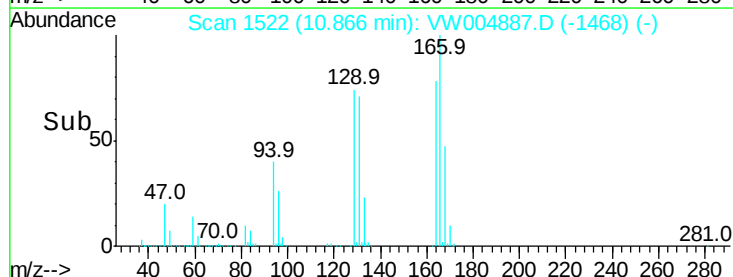
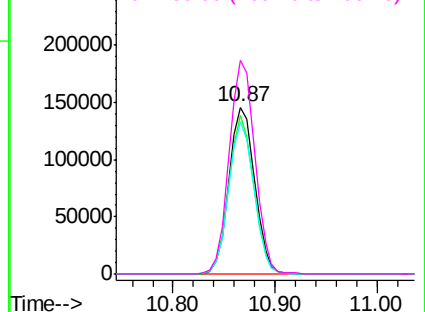


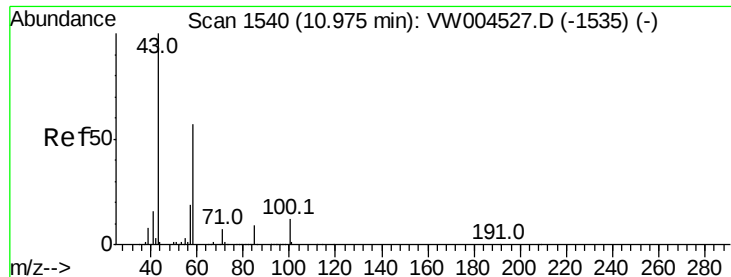
Abundance Ion 164.00 (163.70 to 164.70): V

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

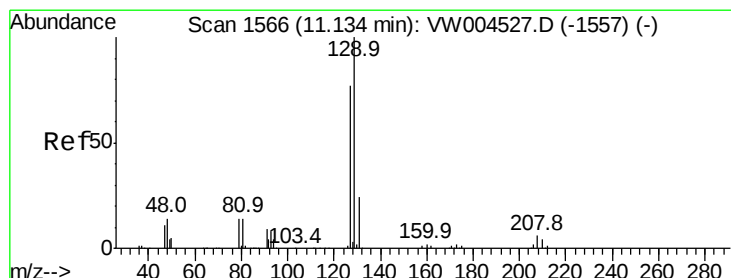
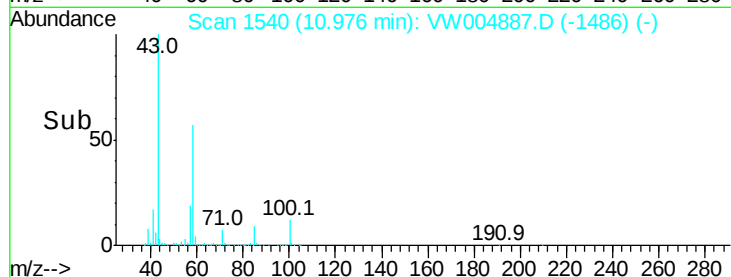
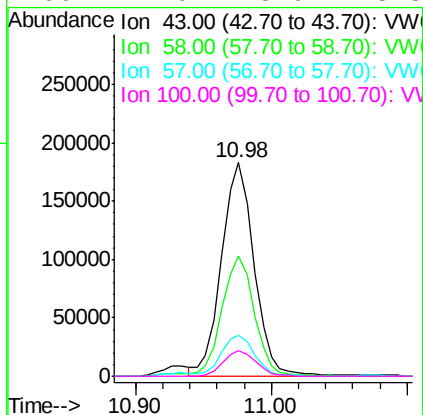
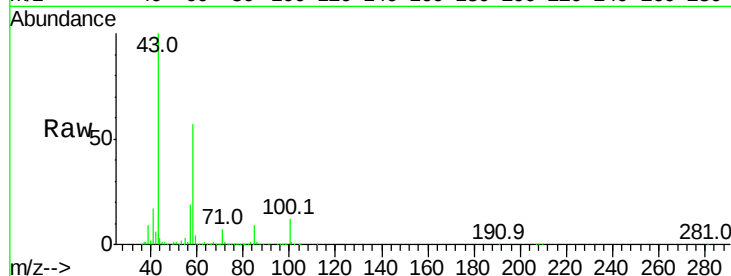




#49
2-Hexanone
Concen: 44.431 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004887.D
Acq: 22 Aug 2018 16:28

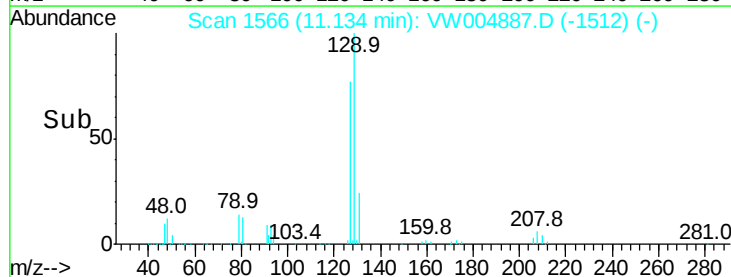
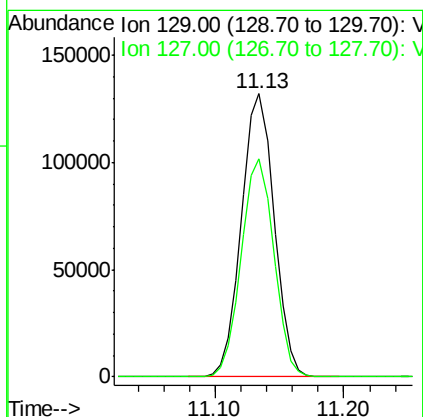
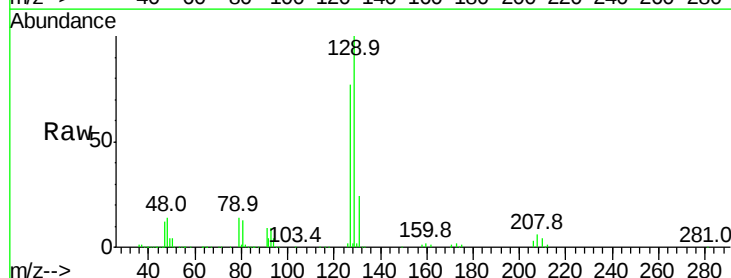
Instrument :
MSVOA_W
ClientSampled :
VSTD02583

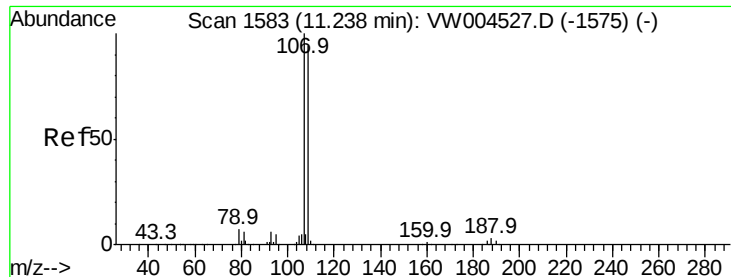
Tgt Ion: 43 Resp: 305556
Ion Ratio Lower Upper
43 100
58 55.8 43.4 65.0
57 19.3 15.0 22.6
100 12.0 8.9 13.3



#50
Dibromochloromethane
Concen: 22.093 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004887.D
Acq: 22 Aug 2018 16:28

Tgt Ion: 129 Resp: 232545
Ion Ratio Lower Upper
129 100
127 76.8 54.1 100.5

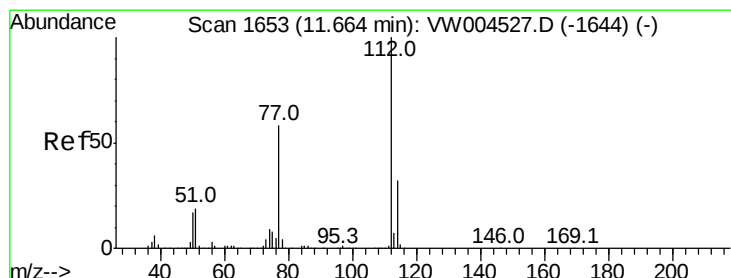
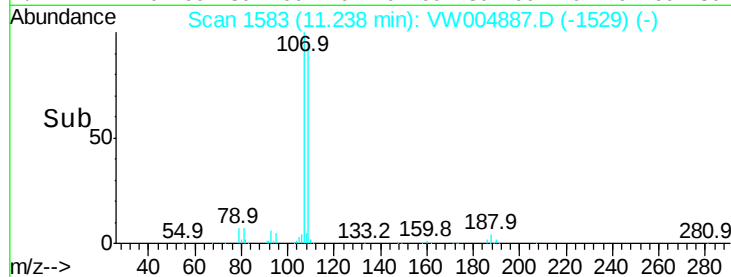
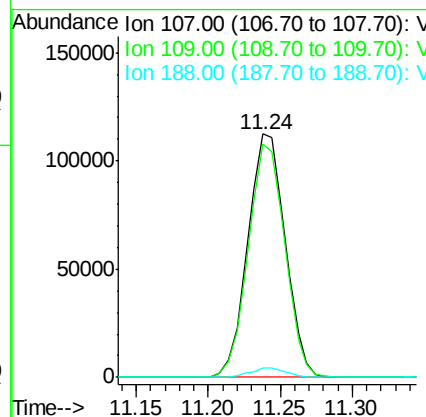
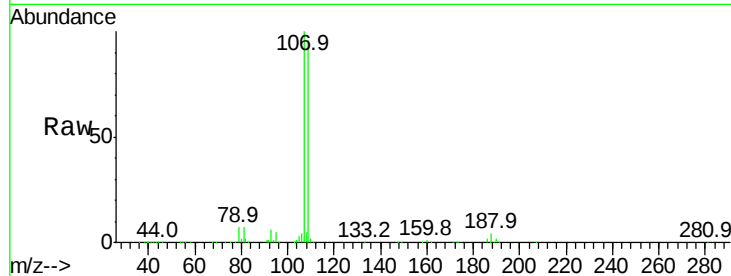




#51
 1,2-Dibromoethane
 Concen: 22.157 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004887.D
 Acq: 22 Aug 2018 16:28

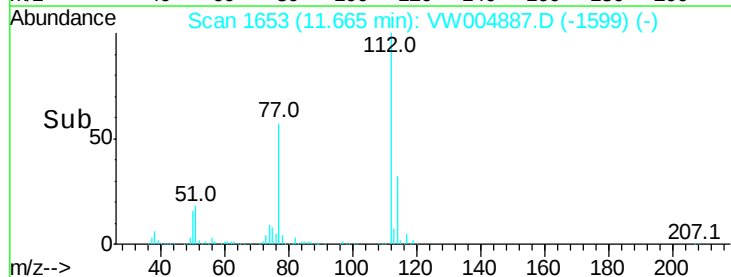
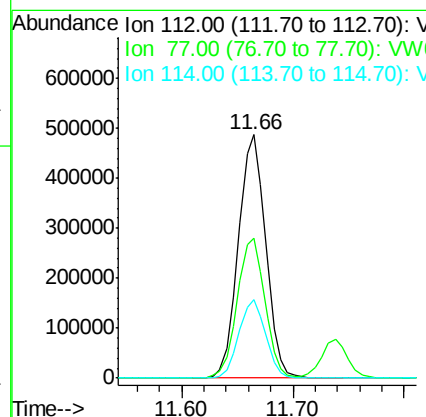
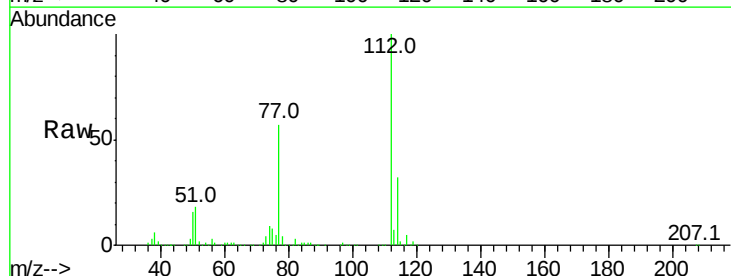
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

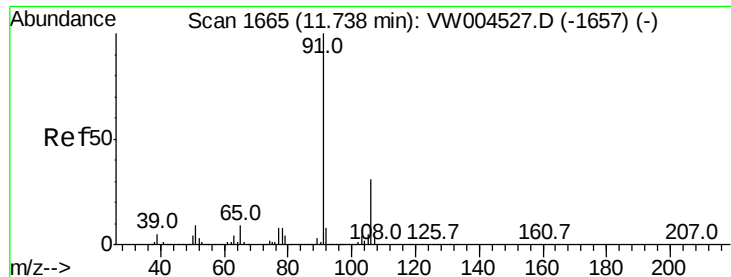
Tgt Ion:107 Resp: 201526
 Ion Ratio Lower Upper
 107 100
 109 96.1 66.8 124.2
 188 3.8 2.6 3.8



#52
 Chlorobenzene
 Concen: 26.368 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VW004887.D
 Acq: 22 Aug 2018 16:28

Tgt Ion:112 Resp: 826972
 Ion Ratio Lower Upper
 112 100
 77 57.3 46.5 69.7
 114 32.1 22.0 41.0

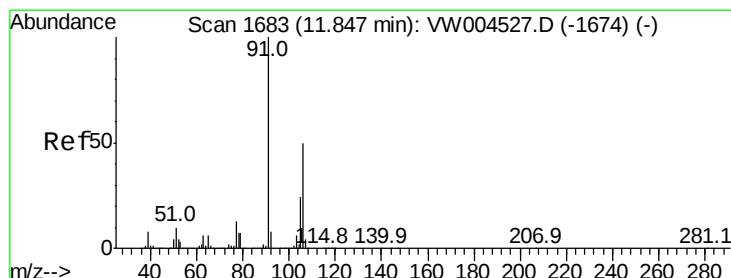
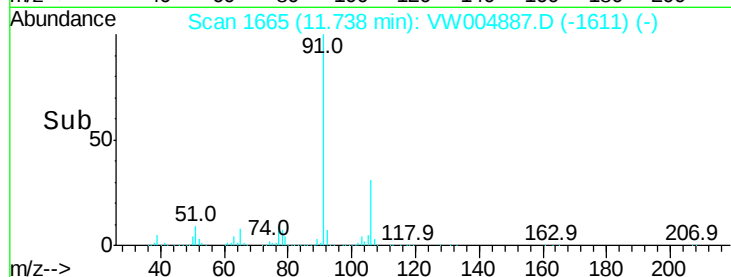
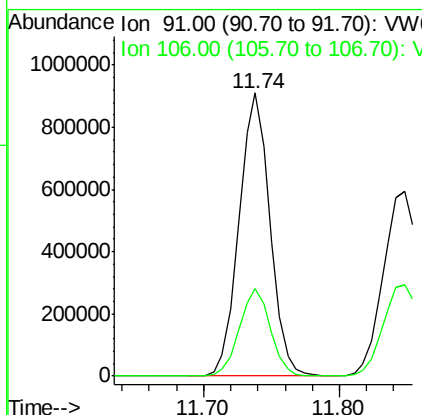
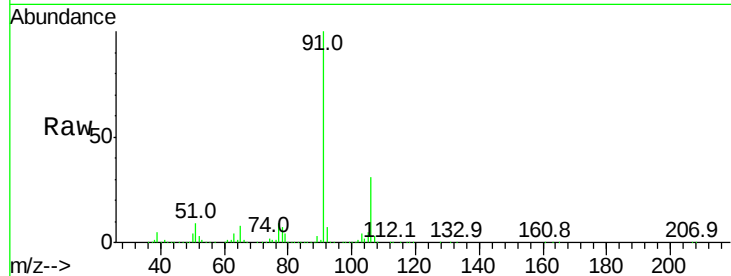




#53
Ethylbenzene
Concen: 27.637 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004887.D
Acq: 22 Aug 2018 16:28

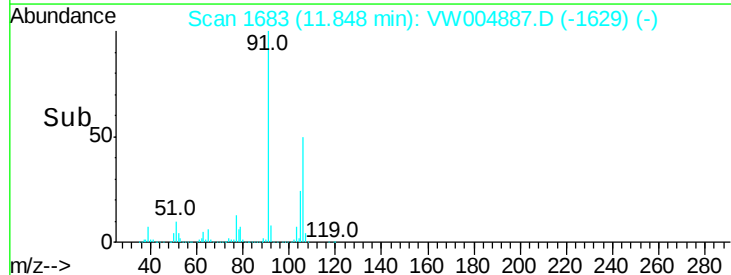
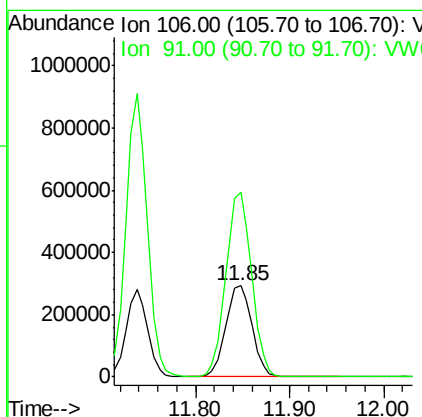
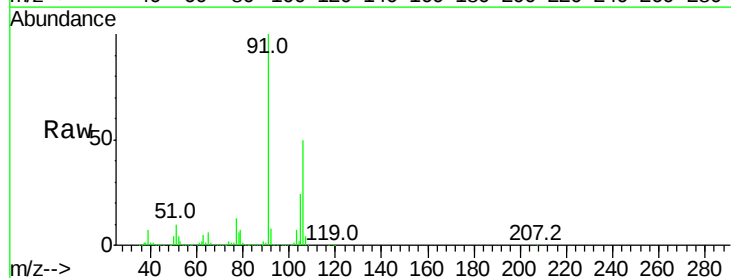
Instrument :
MSVOA_W
ClientSampled :
VSTD02583

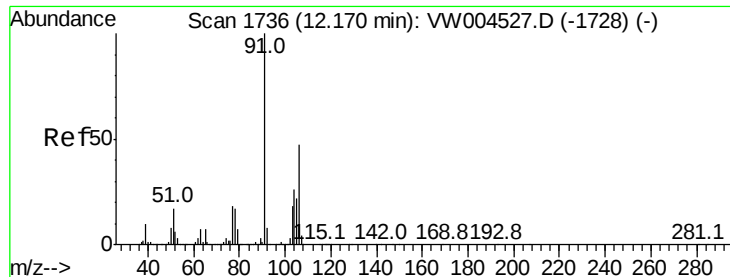
Tgt Ion: 91 Resp: 1440200
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.0



#54
m,p-Xylene
Concen: 28.941 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004887.D
Acq: 22 Aug 2018 16:28

Tgt Ion: 106 Resp: 562694
Ion Ratio Lower Upper
106 100
91 202.0 143.0 265.6

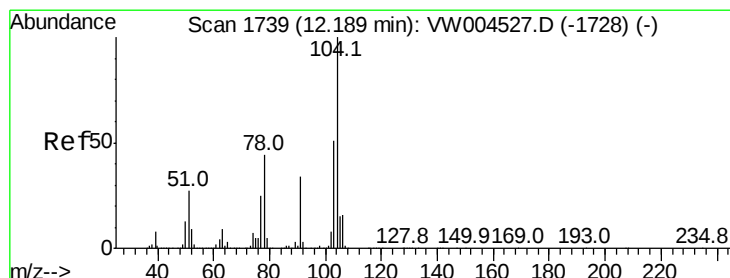
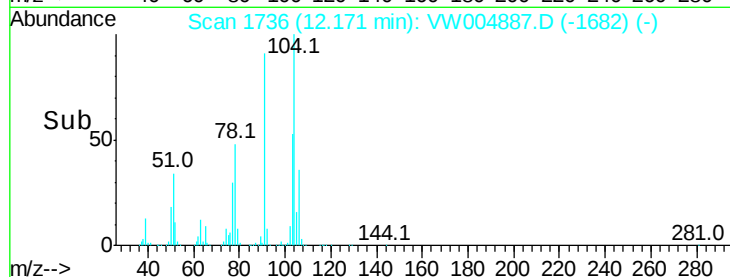
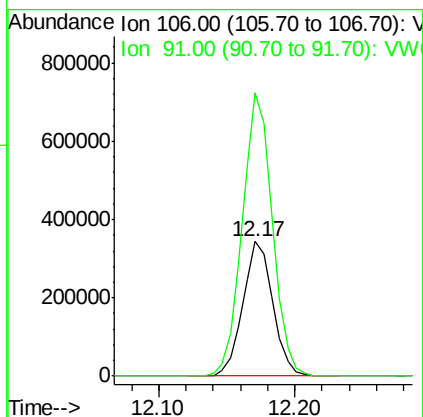
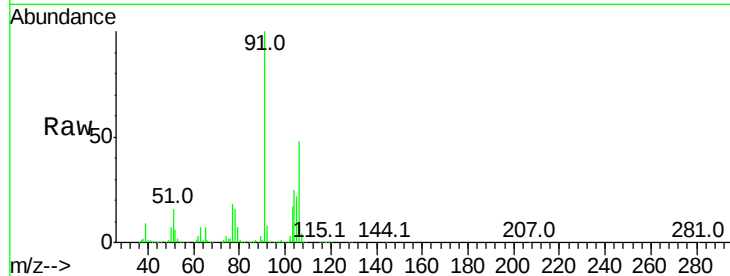




#55
o-xylene
Concen: 28.744 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004887.D
Acq: 22 Aug 2018 16:28

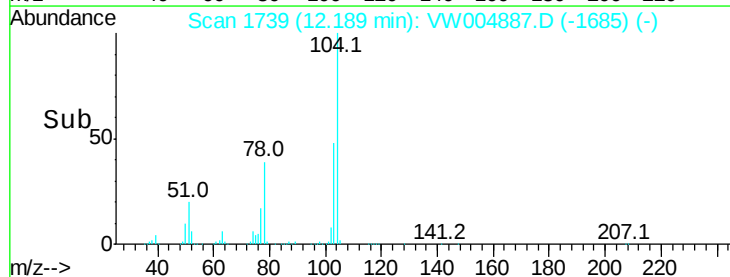
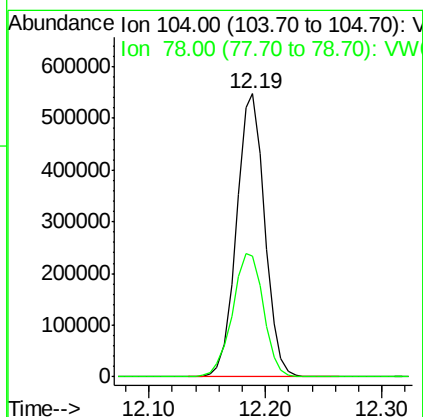
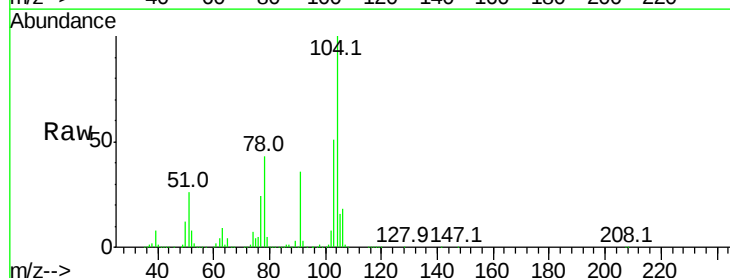
Instrument :
MSVOA_W
ClientSampleId :
VSTD02583

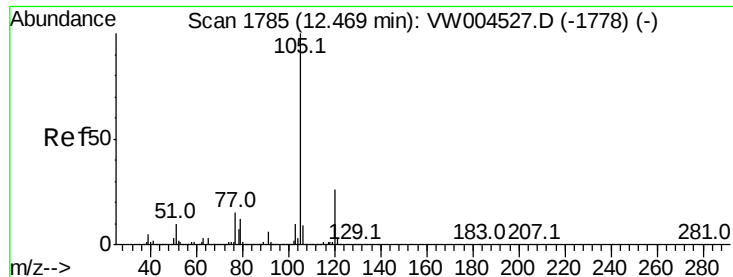
Tgt Ion:106 Resp: 529526
Ion Ratio Lower Upper
106 100
91 210.0 152.0 282.4



#56
Styrene
Concen: 28.783 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004887.D
Acq: 22 Aug 2018 16:28

Tgt Ion:104 Resp: 923984
Ion Ratio Lower Upper
104 100
78 42.5 30.8 57.2





#57

Isopropylbenzene

Concen: 28.333 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

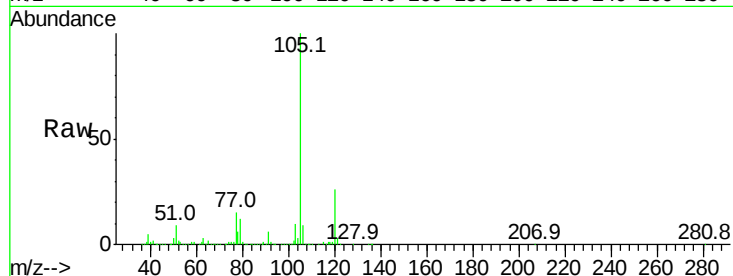
Tgt Ion:105 Resp: 1412878

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

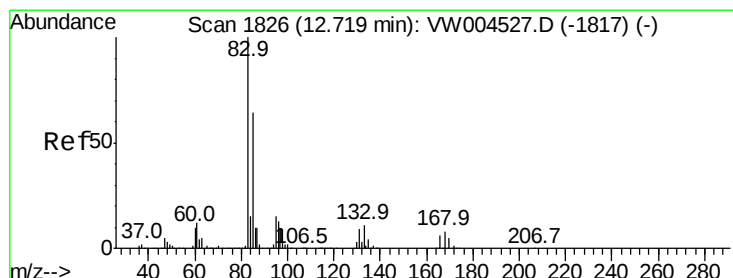
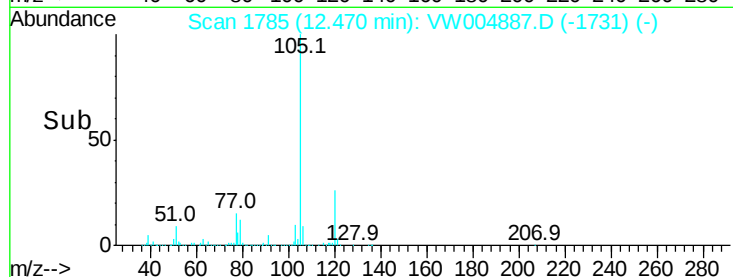
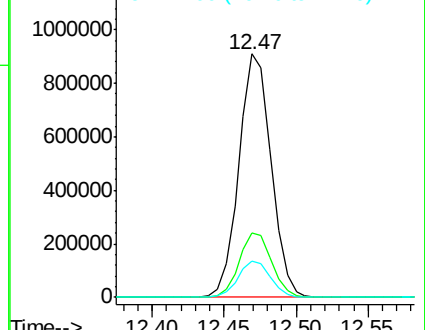
77 15.0 12.4 18.6



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: 20.749 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

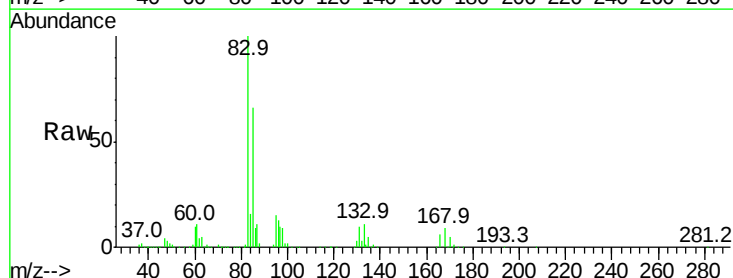
Tgt Ion: 83 Resp: 285746

Ion Ratio Lower Upper

83 100

85 66.1 46.1 85.5

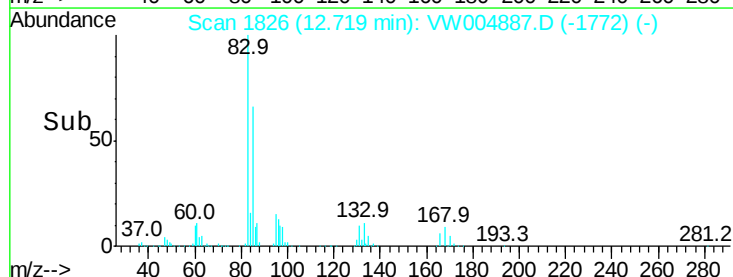
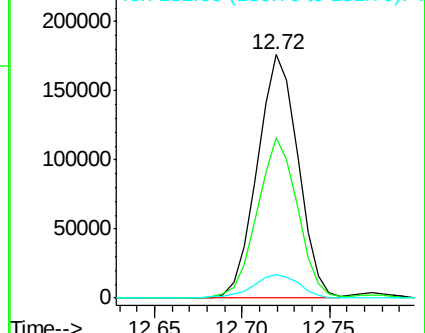
131 9.7 8.1 12.1

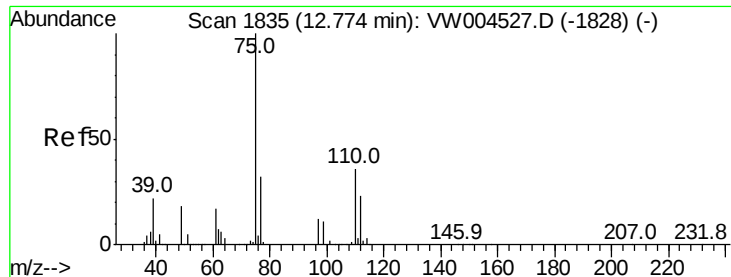


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.400 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

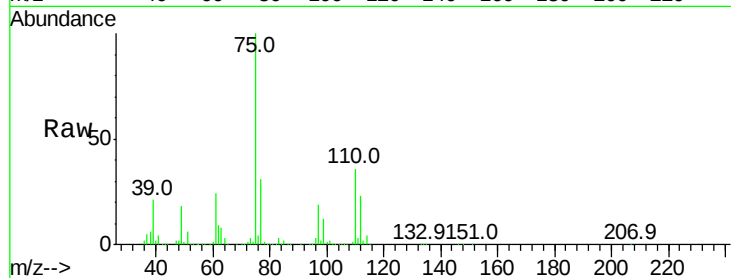
VSTD02583

Tgt Ion: 75 Resp: 220107

Ion Ratio Lower Upper

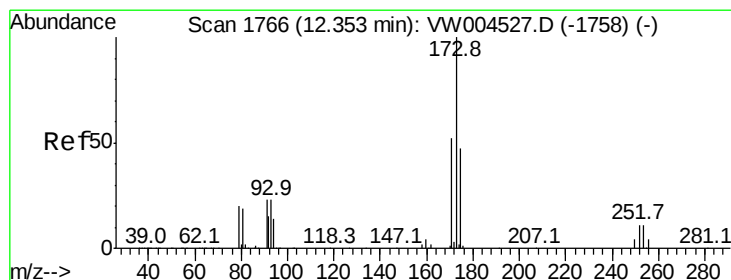
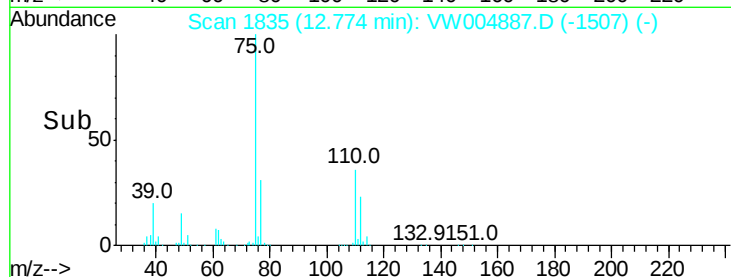
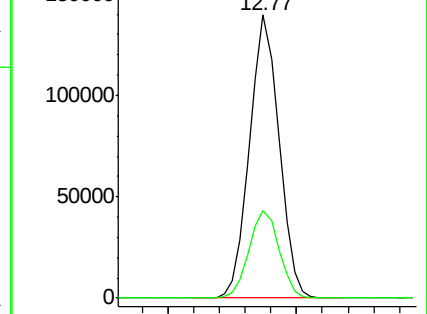
75 100

77 31.6 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 21.309 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

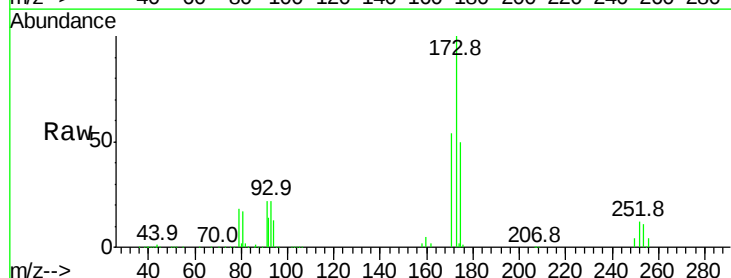
Tgt Ion: 173 Resp: 150554

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

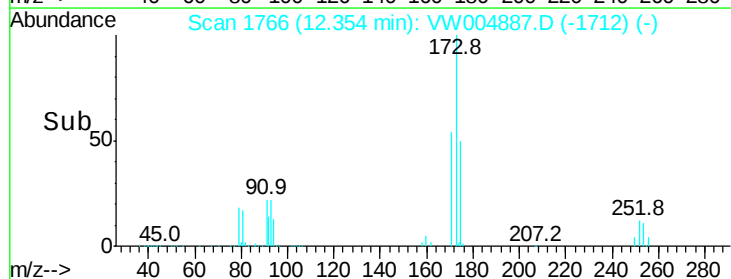
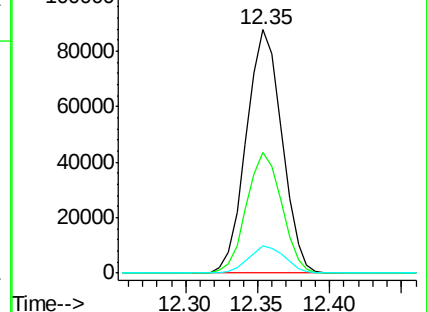
254 11.3 8.1 12.1

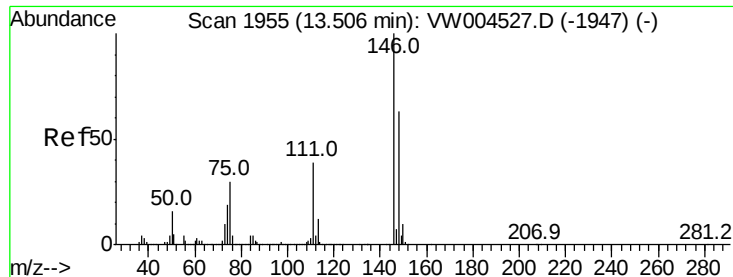


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#63

1,3-Dichlorobenzene

Concen: 26.635 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

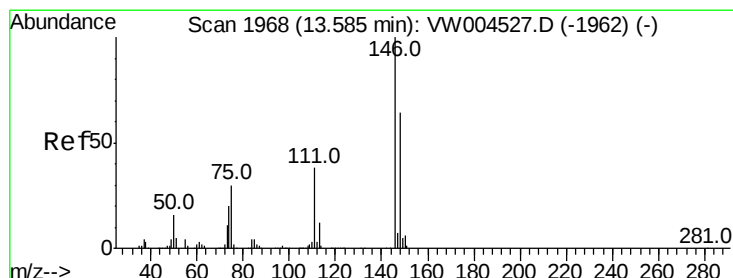
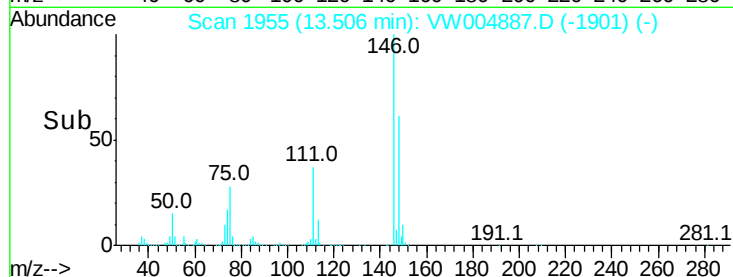
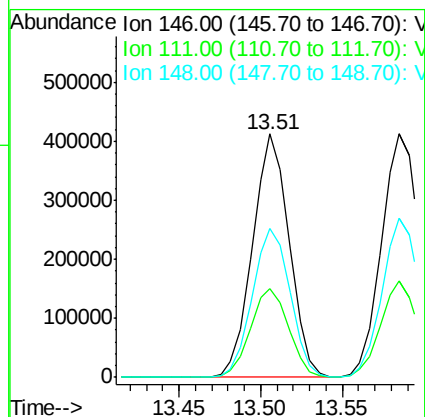
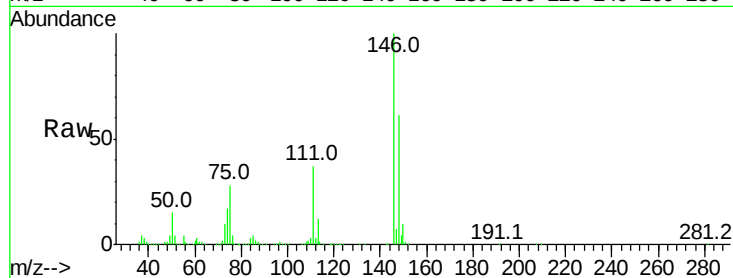
Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

Tgt Ion:	146	Resp:	644277
Ion	Ratio	Lower	Upper
146	100		
111	36.6	27.7	51.5
148	61.0	43.8	81.4



#64

1,4-Dichlorobenzene

Concen: 25.786 ug/L

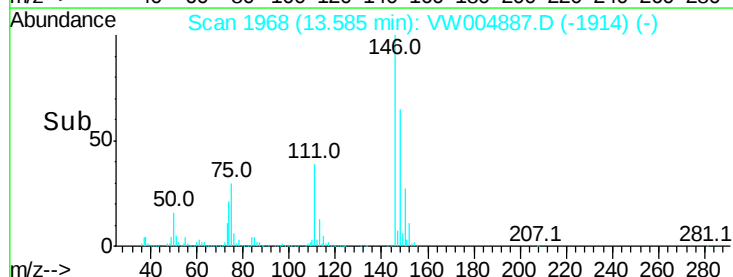
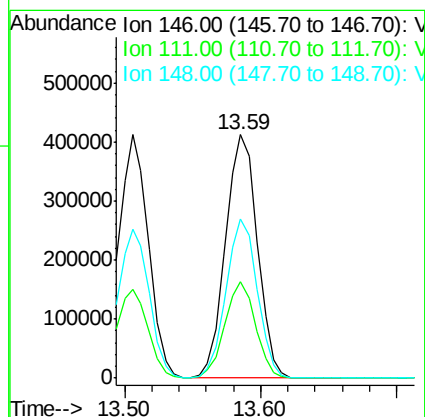
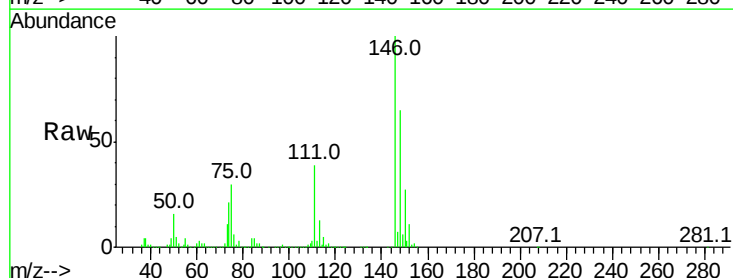
RT: 13.59 min Scan# 1968

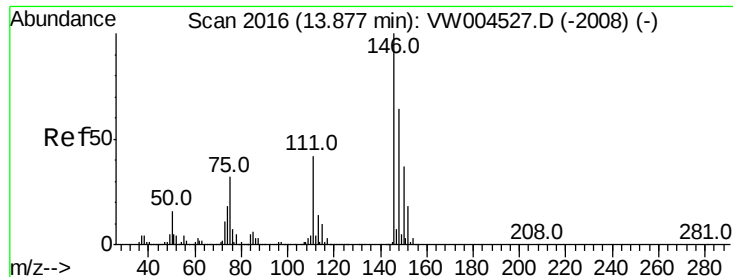
Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Tgt Ion:	146	Resp:	670358
Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.7	51.5
148	65.4	45.5	84.5

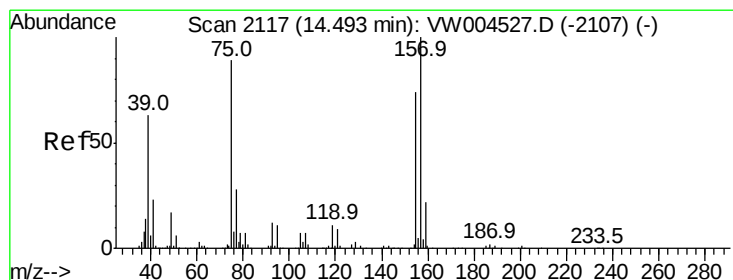
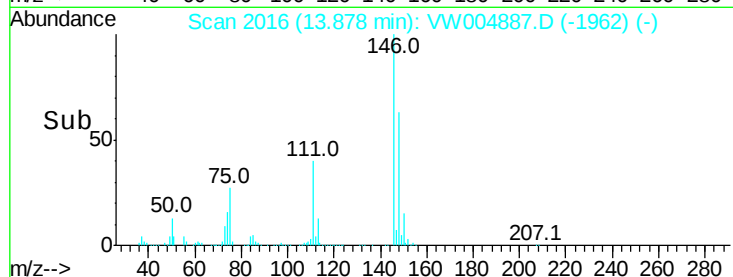
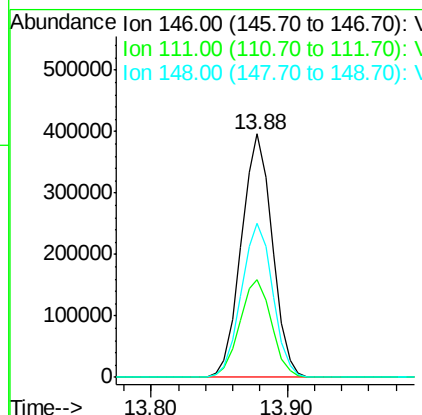
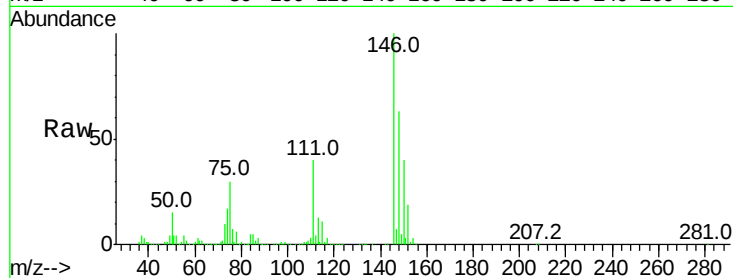




#65
 1,2-Dichlorobenzene
 Concen: 26.024 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004887.D
 Acq: 22 Aug 2018 16:28

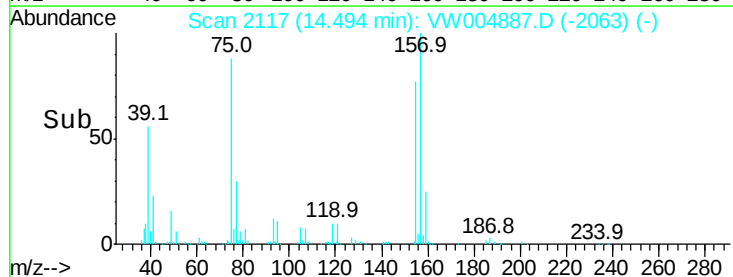
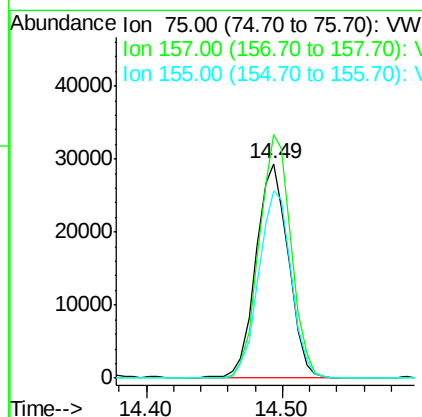
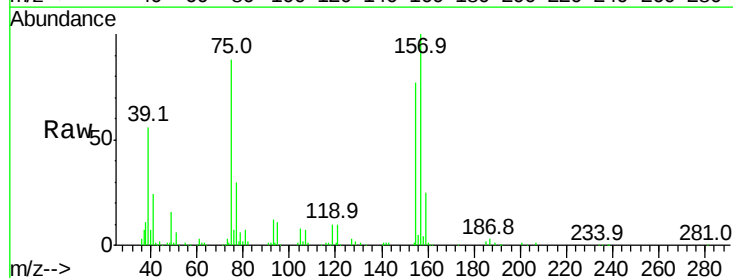
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

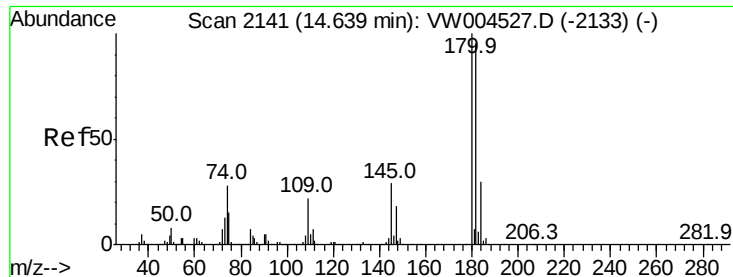
Tgt Ion:146 Resp: 630742
 Ion Ratio Lower Upper
 146 100
 111 40.0 33.4 50.2
 148 63.2 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.703 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004887.D
 Acq: 22 Aug 2018 16:28

Tgt Ion: 75 Resp: 49054
 Ion Ratio Lower Upper
 75 100
 157 113.4 81.4 122.0
 155 86.9 63.0 94.6

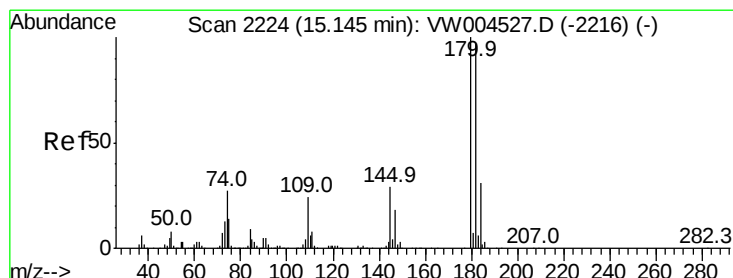
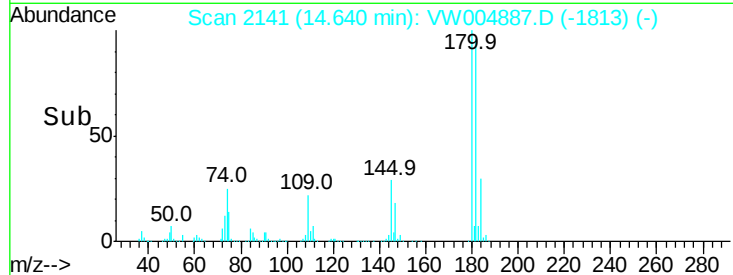
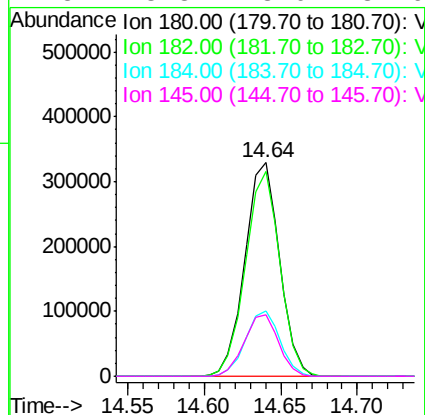
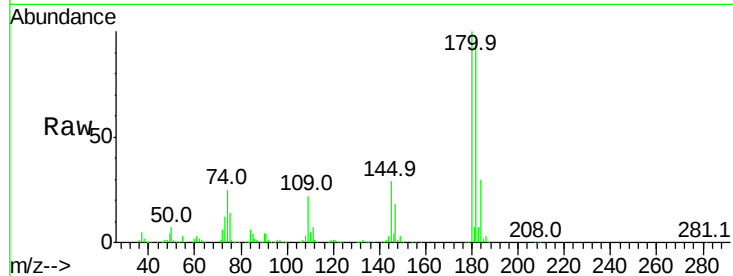




#67
 1,3,5-Trichlorobenzene
 Concen: 27.002 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004887.D
 Acq: 22 Aug 2018 16:28

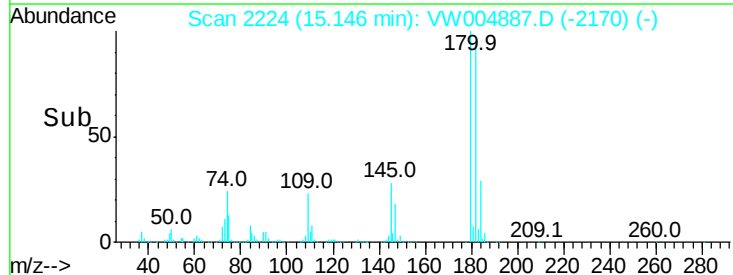
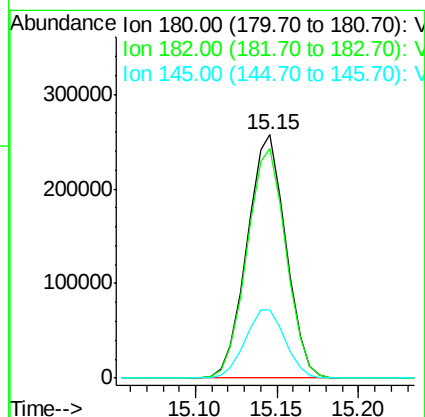
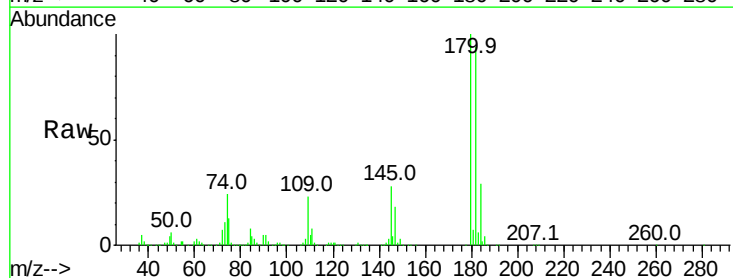
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02583

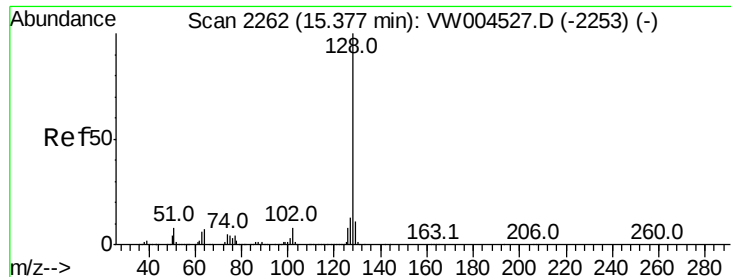
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	517768		
182	95.0	75.1	112.7	
184	30.4	24.0	36.0	
145	28.8	23.0	34.6	



#68
 1,2,4-trichlorobenzene
 Concen: 27.492 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004887.D
 Acq: 22 Aug 2018 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	426496		
182	95.1	76.9	115.3	
145	29.1	23.4	35.2	





#69

Naphthalene

Concen: 25.295 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02583

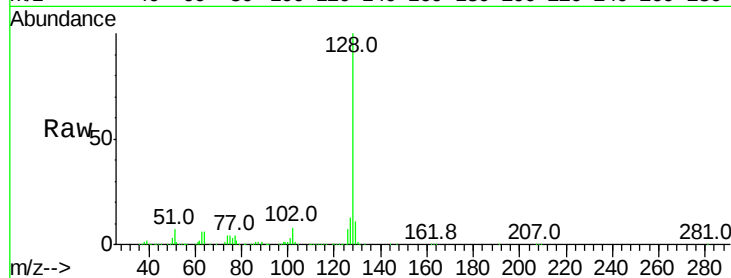
Tgt Ion:128 Resp: 894902

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

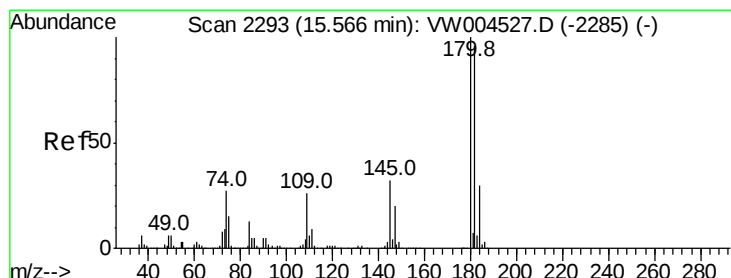
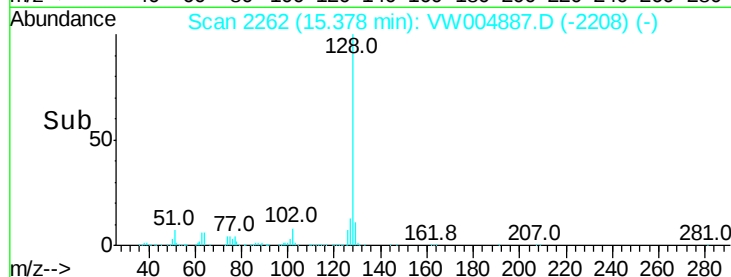
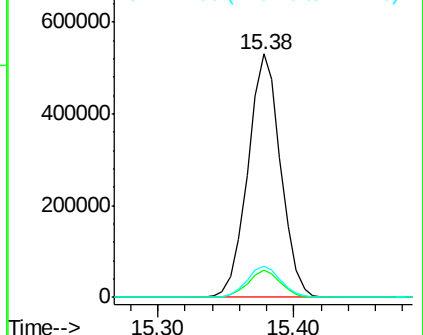
127 13.2 10.6 16.0



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: 27.332 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004887.D

Acq: 22 Aug 2018 16:28

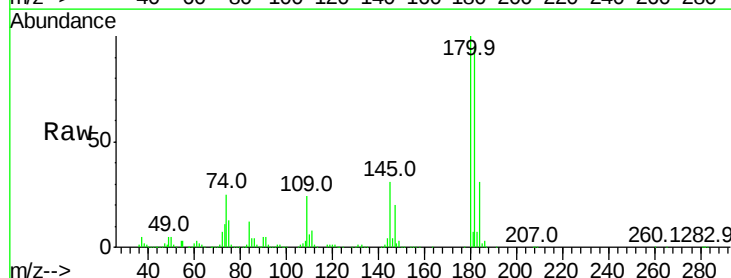
Tgt Ion:180 Resp: 412926

Ion Ratio Lower Upper

180 100

182 94.7 76.0 114.0

145 30.8 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

