

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062518\
 Data File : VW003555.D
 Acq On : 25 Jun 2018 19:44
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

Quant Time: Jun 26 04:18:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 26 03:05:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	306738	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	292565	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	152494	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	82510	19.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.32%
7) Chloroethane-d5	2.89	69	71311	20.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.20%
10) 1,1-Dichloroethene-d2	4.01	63	181435	21.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.84%
20) 2-Butanone-d5	7.09	46	74022	56.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.94%
24) Chloroform-d	7.65	84	193382	23.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	8.31	65	114732	23.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.72%
29) Benzene-d6	8.27	84	346122	22.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.20%
33) 1,2-Dichloropropane-d6	9.28	67	114112	23.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.88%
37) Toluene-d8	10.33	98	332220	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.52%
38) trans-1,3-Dichloropropene-	10.59	79	51263	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.88%
39) 2-Hexanone-d5	10.93	63	56785	56.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.08%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	120006	26.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.00%
61) 1,2-Dichlorobenzene-d4	13.87	152	132552	23.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	55803	33.122 ug/L	87
3) Chloromethane	2.21	50	89698	24.783 ug/L	99
5) Vinyl chloride	2.35	62	130648	24.942 ug/L	99
6) Bromomethane	2.78	94	71898	23.591 ug/L	98
8) Chloroethane	2.92	64	74826	23.444 ug/L	99
9) Trichlorofluoromethane	3.25	101	78819	26.234 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	102540	25.278 ug/L	98
12) 1,1-Dichloroethene	4.03	96	94987	24.773 ug/L	97
13) Acetone	4.15	43	68294	48.877 ug/L	100
14) Carbon disulfide	4.37	76	292103	23.613 ug/L	99
15) Methyl Acetate	4.68	43	59928	26.167 ug/L	99
16) Methylene chloride	4.91	84	106933	25.300 ug/L	94
17) Methyl tert-butyl Ether	5.43	73	188687	26.672 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	100216	25.085 ug/L	96
19) 1,1-Dichloroethane	6.21	63	192447	25.812 ug/L	99
21) 2-Butanone	7.18	43	83841	51.062 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	110191	25.953 ug/L	100

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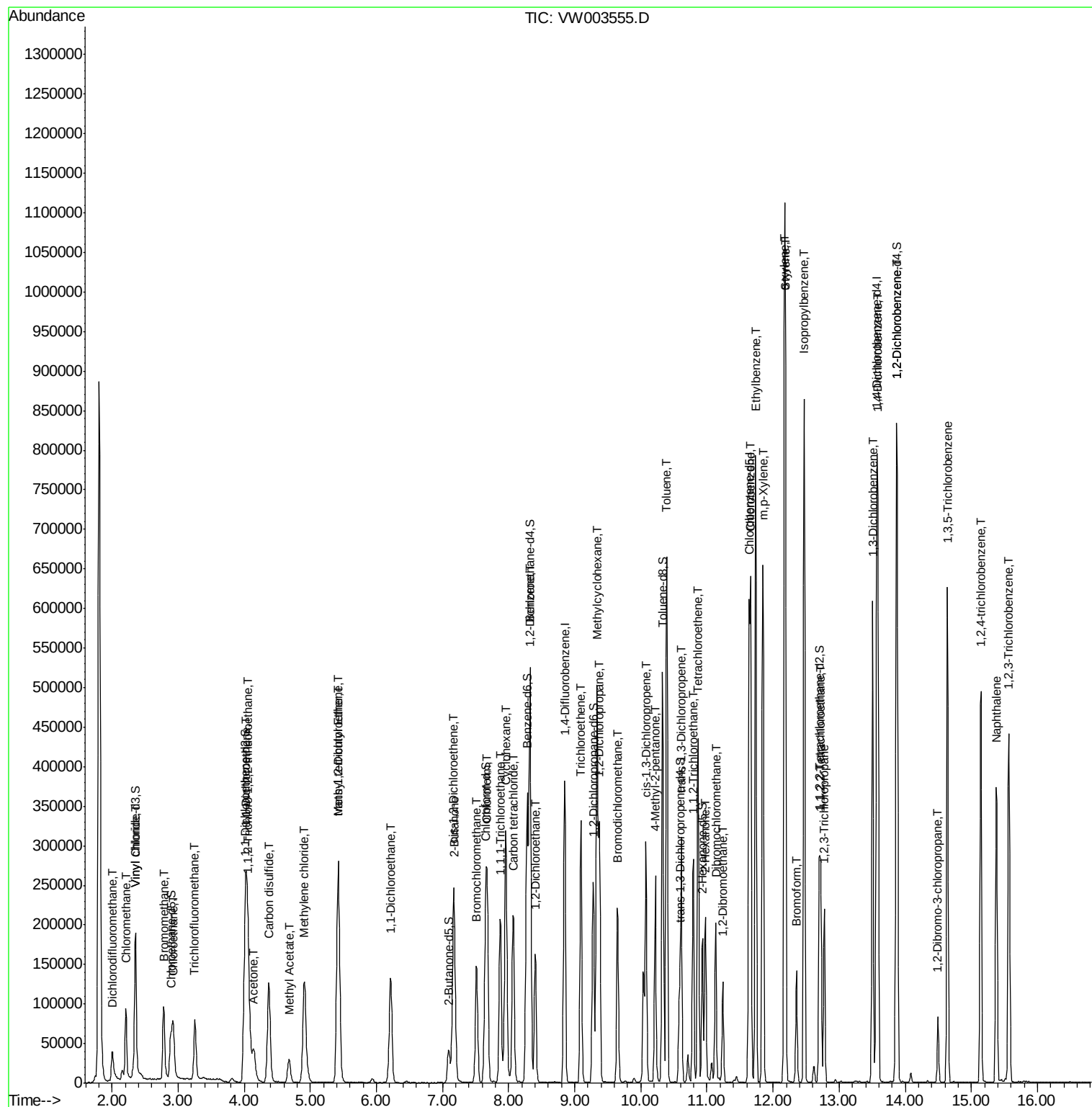
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	49185	25.042	ug/L	97
25) Chloroform	7.68	83	197801	25.806	ug/L	100
27) 1,2-Dichloroethane	8.40	62	146853	26.457	ug/L	100
30) Cyclohexane	7.96	56	174789	25.877	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	161261	25.089	ug/L	99
32) Carbon tetrachloride	8.07	117	158330	25.497	ug/L	99
34) Benzene	8.32	78	426375	25.557	ug/L	100
35) Trichloroethene	9.09	95	113131	25.160	ug/L	99
36) Methylcyclohexane	9.34	83	195622	25.484	ug/L	98
40) 1,2-Dichloropropane	9.37	63	114905	26.172	ug/L	99
41) Bromodichloromethane	9.65	83	143695	25.464	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	169262	25.833	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	170352	54.312	ug/L	99
44) Toluene	10.39	91	467910	25.861	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	154036	25.980	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	84472	25.773	ug/L	99
47) Tetrachloroethene	10.87	164	92976	24.606	ug/L	99
49) 2-Hexanone	10.98	43	132060	56.500	ug/L	99
50) Dibromochloromethane	11.13	129	102085	25.585	ug/L	97
51) 1,2-Dibromoethane	11.24	107	83534	25.648	ug/L	99
52) Chlorobenzene	11.66	112	299144	25.460	ug/L	99
53) Ethylbenzene	11.74	91	534302	26.328	ug/L	99
54) m,p-Xylene	11.85	106	201044	26.673	ug/L	98
55) o-xylene	12.17	106	190025	26.504	ug/L	98
56) Styrene	12.19	104	333578	26.948	ug/L	99
57) Isopropylbenzene	12.47	105	532935	26.791	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	115497	26.731	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	87811	26.518	ug/L	100
62) Bromoform	12.35	173	63031	24.560	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	236697	25.244	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	247052	25.131	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	228452	25.520	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	20081	25.561	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.64	180	188500	25.872	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	155007	26.133	ug/L	99
69) Naphthalene	15.38	128	306075	27.579	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	146761	26.997	ug/L	99

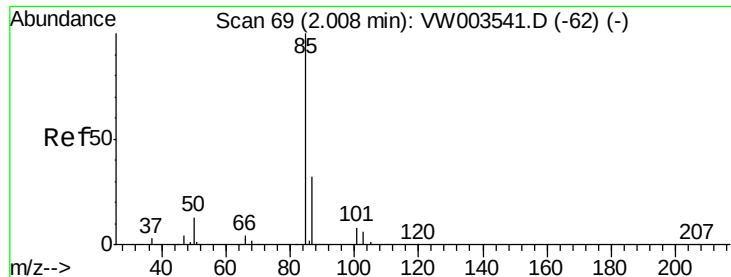
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 33.122 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.01 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

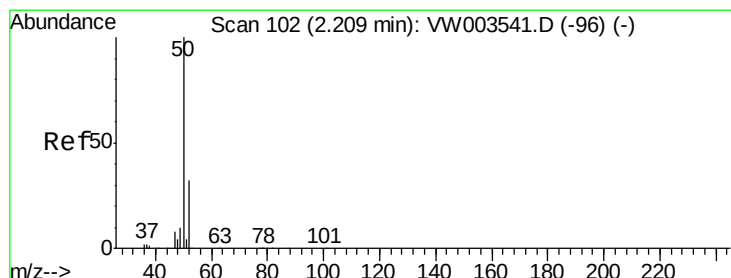
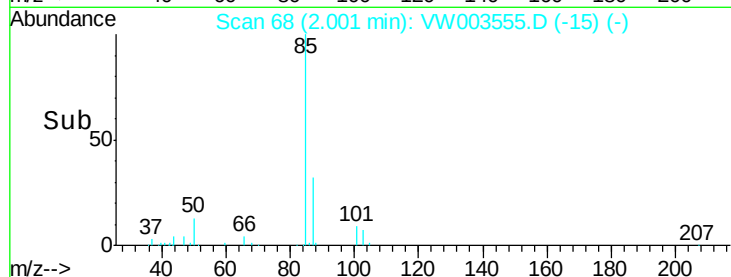
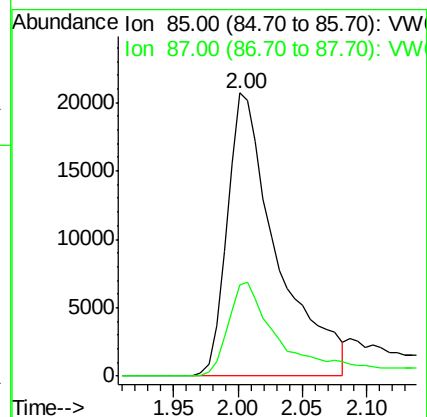
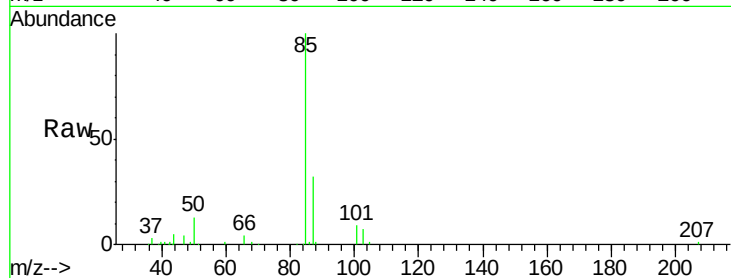
VSTD02599

Tgt Ion: 85 Resp: 55803

Ion Ratio Lower Upper

85 100

87 31.1 17.1 31.7



#3

Chloromethane

Concen: 24.783 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003555.D

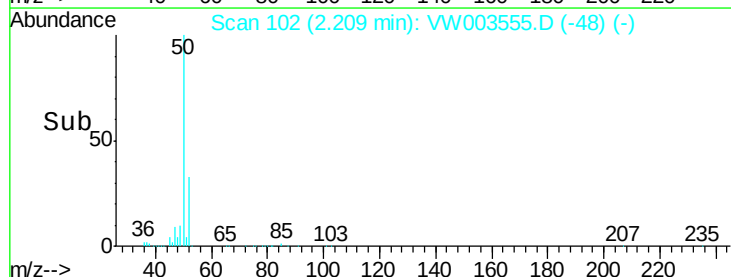
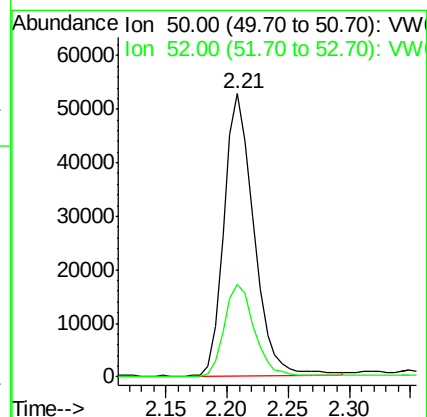
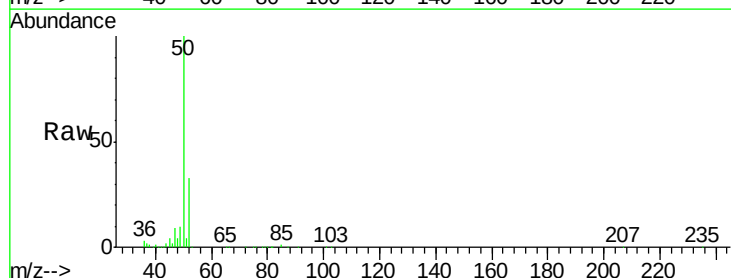
Acq: 25 Jun 2018 19:44

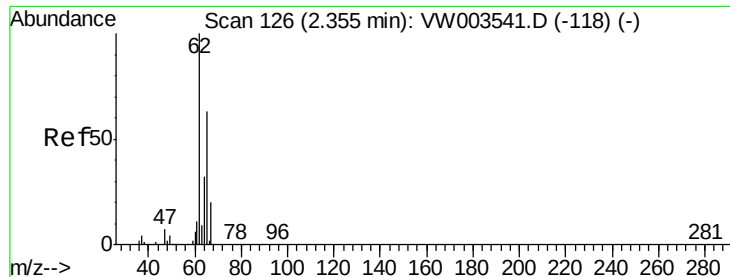
Tgt Ion: 50 Resp: 89698

Ion Ratio Lower Upper

50 100

52 32.5 23.3 43.3





#5

Vinyl chloride

Concen: 24.942 ug/L

RT: 2.35 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

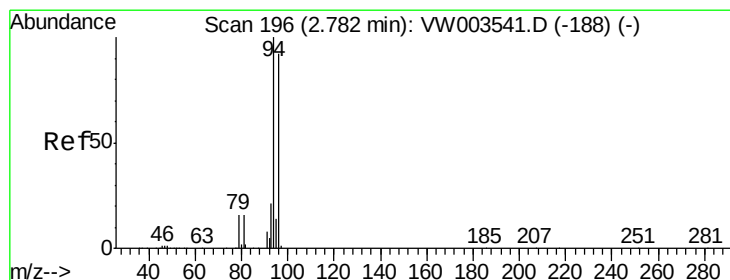
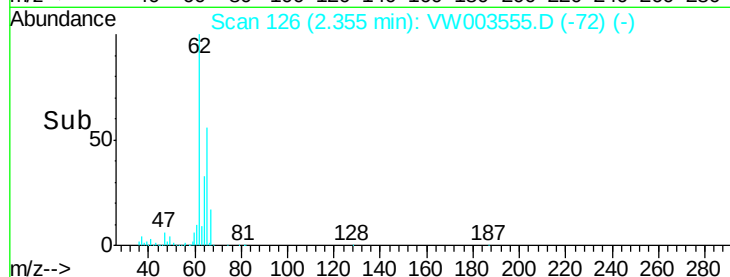
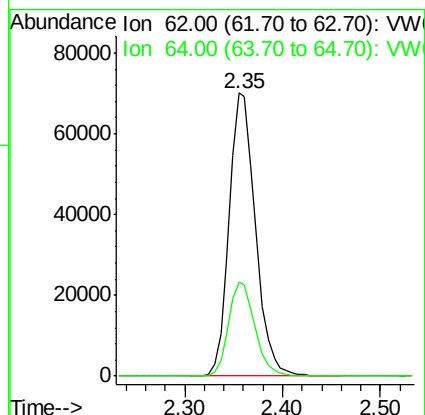
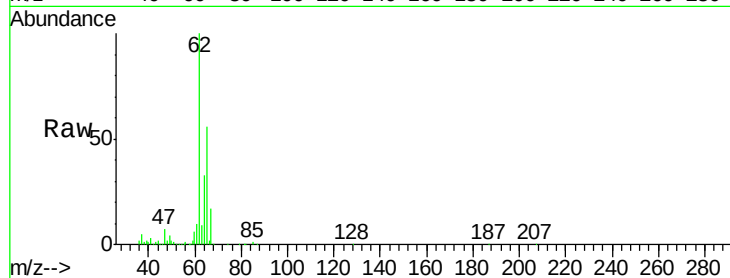
VSTD02599

Tgt Ion: 62 Resp: 130648

Ion Ratio Lower Upper

62 100

64 33.1 23.5 43.7



#6

Bromomethane

Concen: 23.591 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003555.D

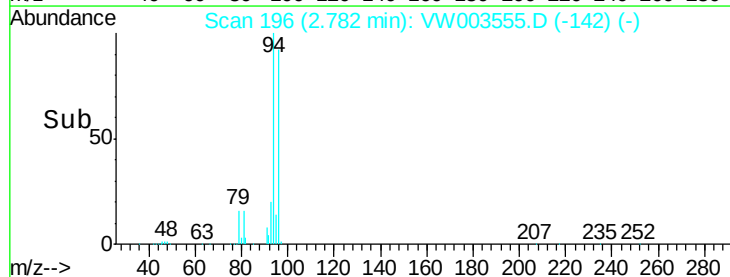
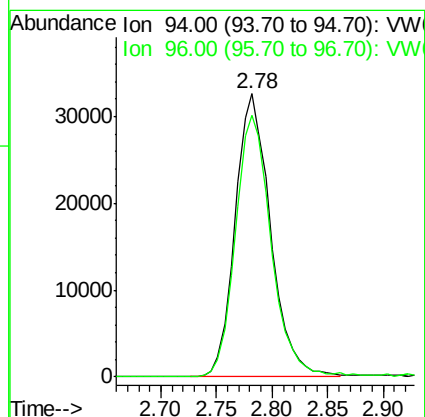
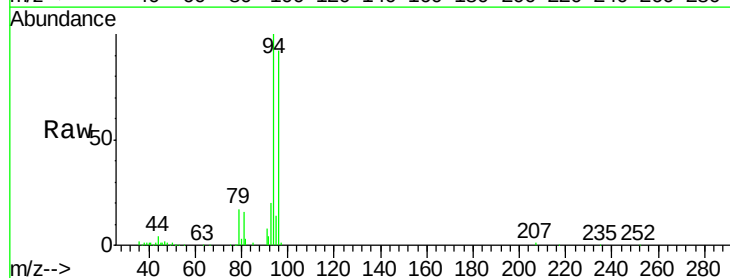
Acq: 25 Jun 2018 19:44

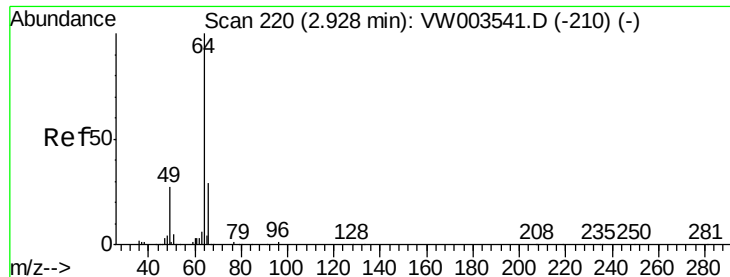
Tgt Ion: 94 Resp: 71898

Ion Ratio Lower Upper

94 100

96 92.8 9.5 180.3





#8

Chloroethane

Concen: 23.444 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

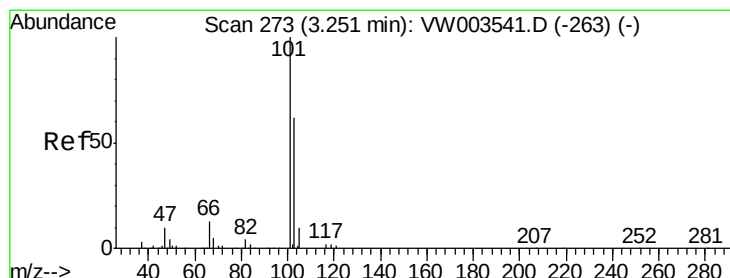
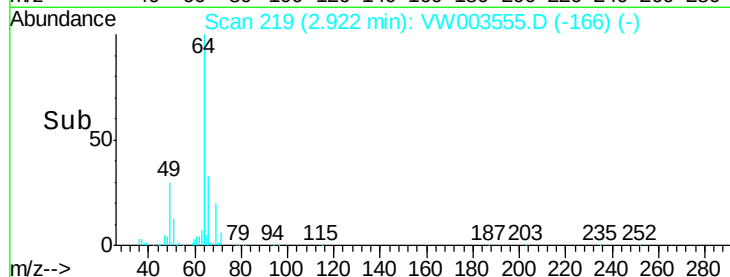
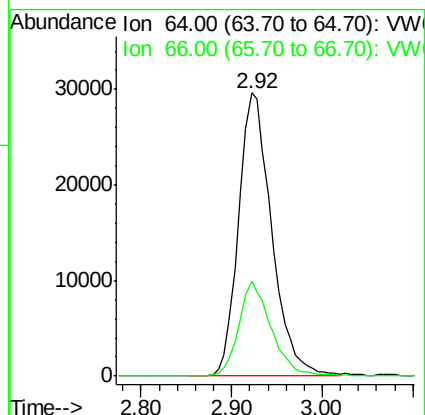
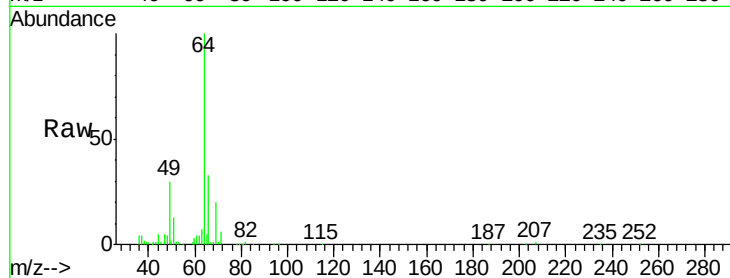
VSTD02599

Tgt Ion: 64 Resp: 74826

Ion Ratio Lower Upper

64 100

66 33.4 22.9 42.5



#9

Trichlorofluoromethane

Concen: 26.234 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.00 min

Lab File: VW003555.D

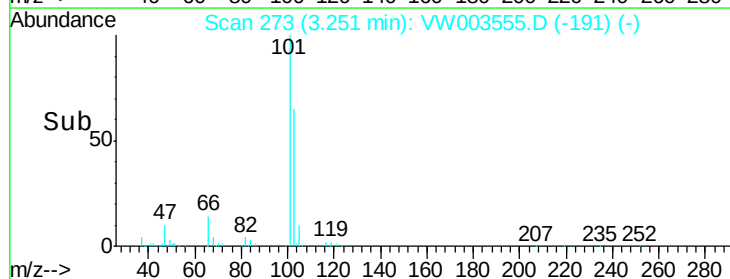
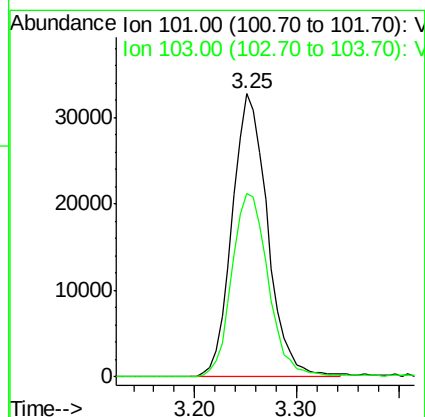
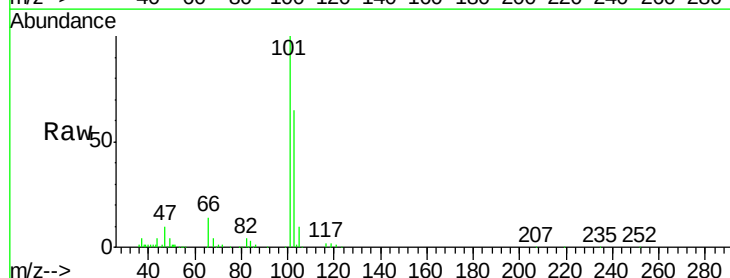
Acq: 25 Jun 2018 19:44

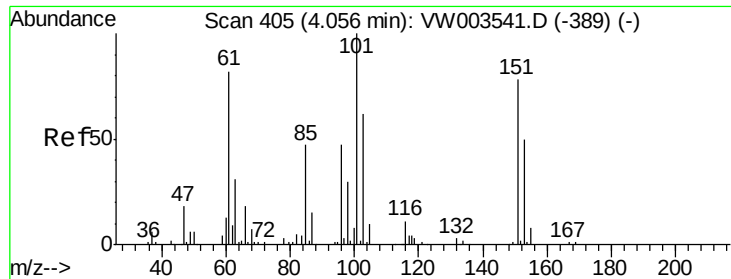
Tgt Ion: 101 Resp: 78819

Ion Ratio Lower Upper

101 100

103 66.6 45.1 83.7





#11

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

Concen: 25.278 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

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VSTD02599

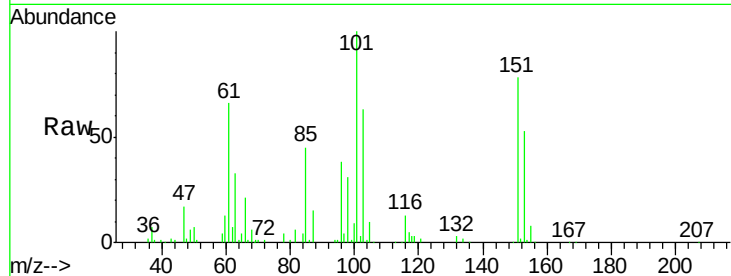
Tgt Ion: 101 Resp: 102540

Ion Ratio Lower Upper

101 100

85 45.2 35.4 53.0

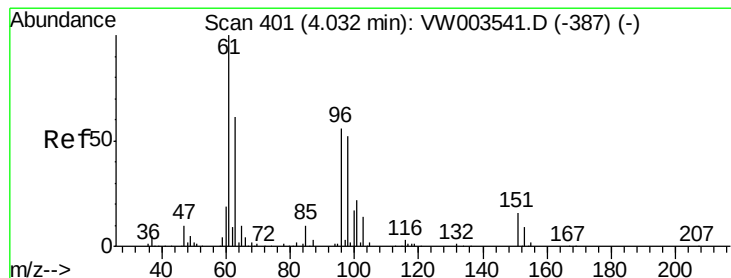
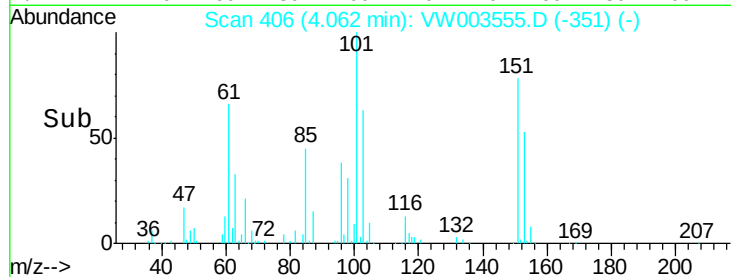
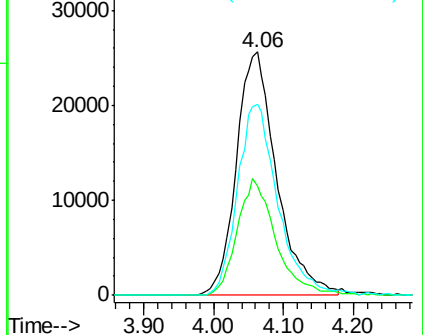
151 78.9 61.4 92.0



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: 24.773 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

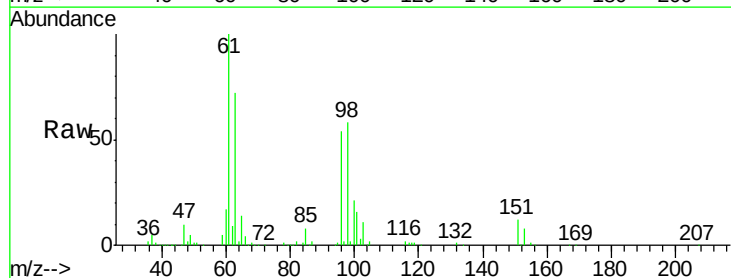
Tgt Ion: 96 Resp: 94987

Ion Ratio Lower Upper

96 100

61 184.0 124.1 230.5

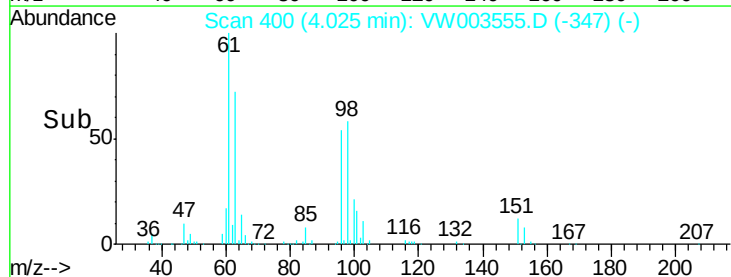
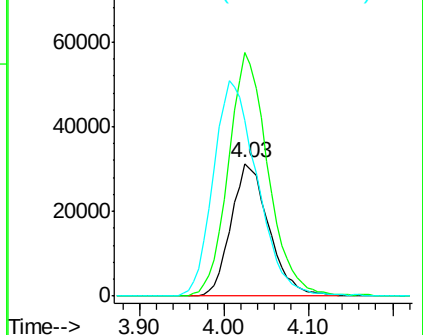
63 132.6 93.1 172.9

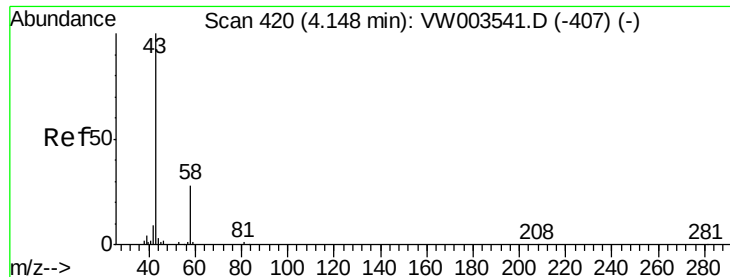


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.877 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

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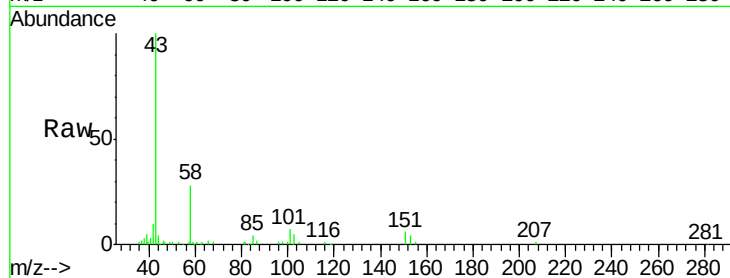
VSTD02599

Tgt Ion: 43 Resp: 68294

Ion Ratio Lower Upper

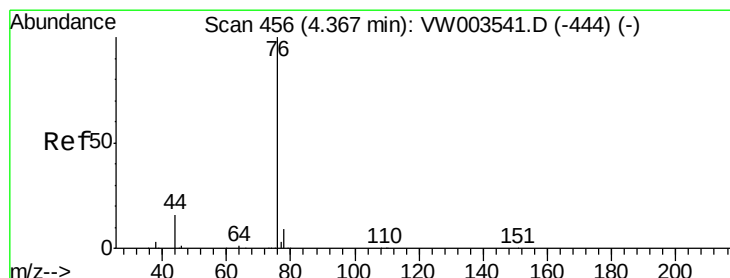
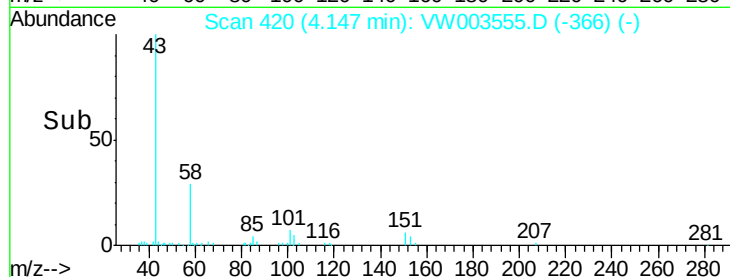
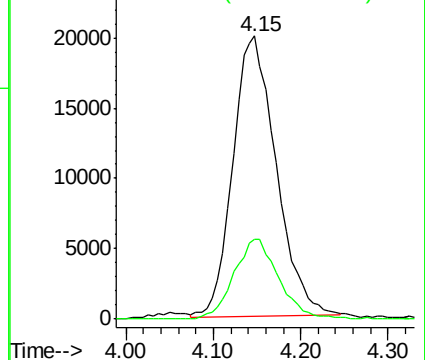
43 100

58 29.1 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.613 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003555.D

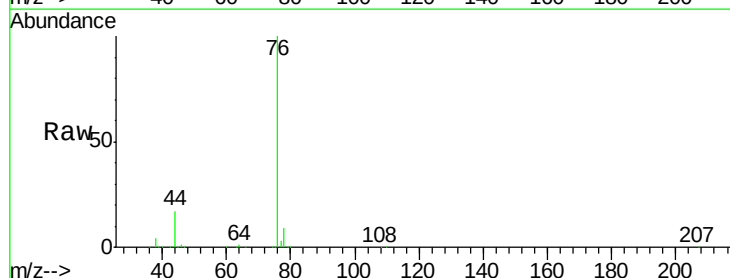
Acq: 25 Jun 2018 19:44

Tgt Ion: 76 Resp: 292103

Ion Ratio Lower Upper

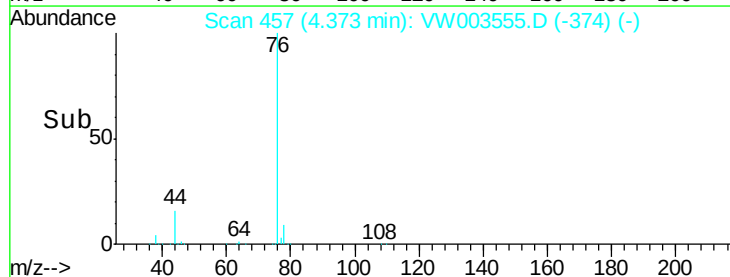
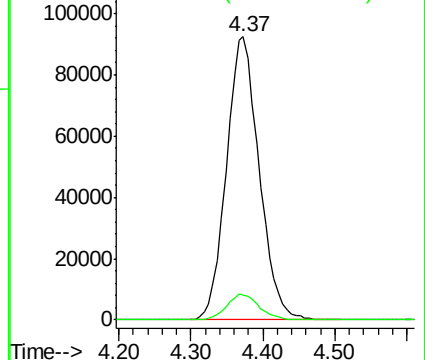
76 100

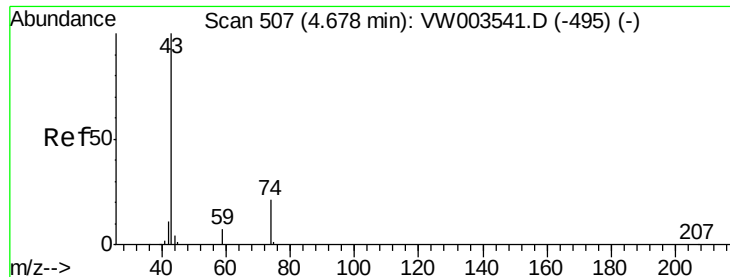
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

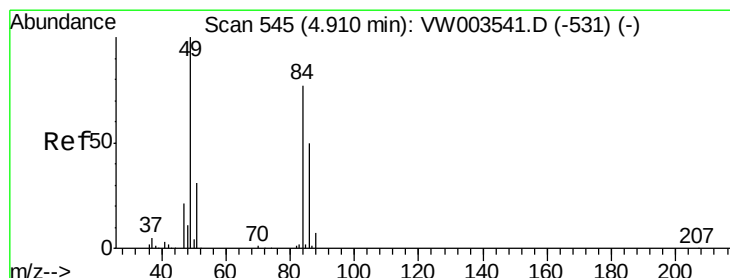
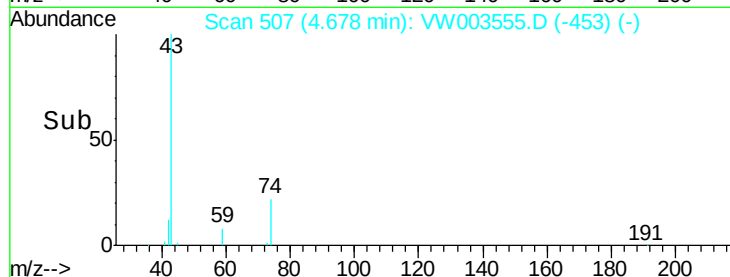
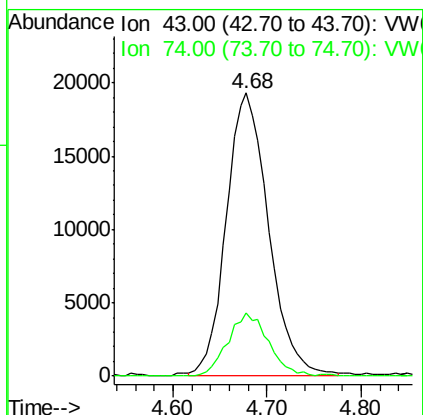
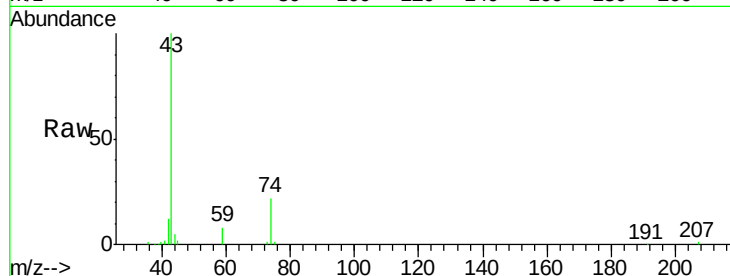




#15
Methyl Acetate
Concen: 26.167 ug/L
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

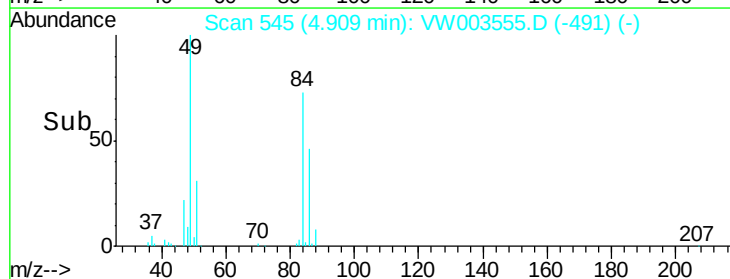
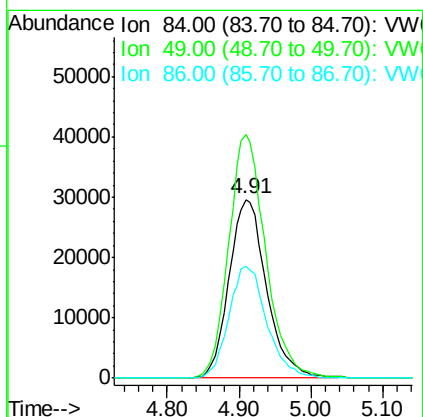
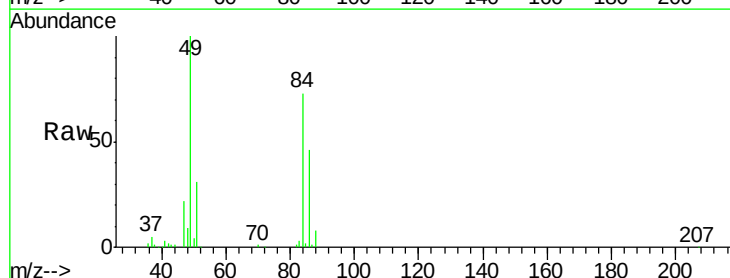
Instrument :
MSVOA_W
ClientSampled :
VSTD02599

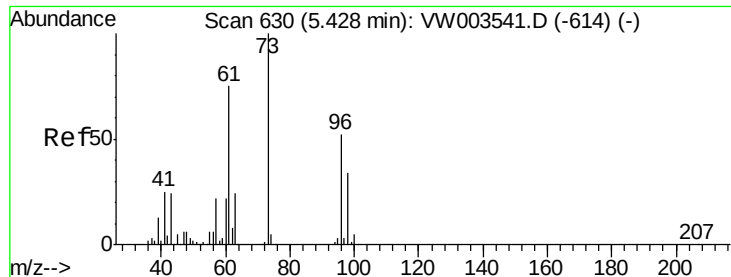
Tgt Ion: 43 Resp: 59928
Ion Ratio Lower Upper
43 100
74 21.6 17.5 26.3



#16
Methylene chloride
Concen: 25.300 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

Tgt Ion: 84 Resp: 106933
Ion Ratio Lower Upper
84 100
49 136.5 88.7 164.7
86 62.4 44.2 82.0

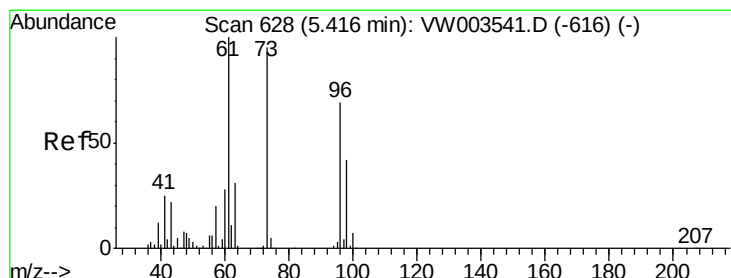
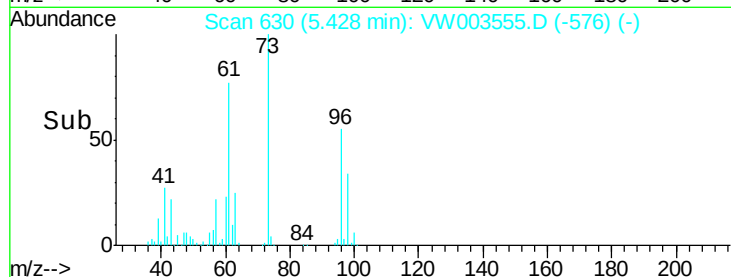
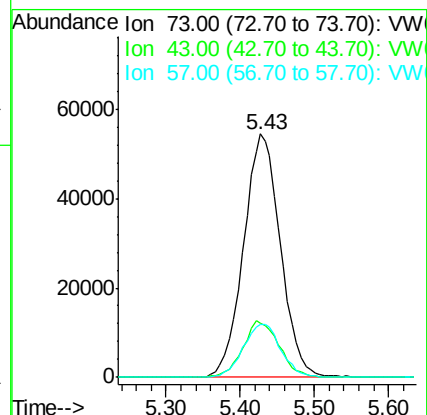
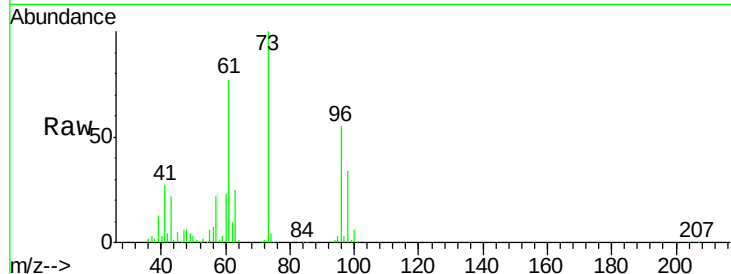




#17
Methyl tert-butyl Ether
Concen: 26.672 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

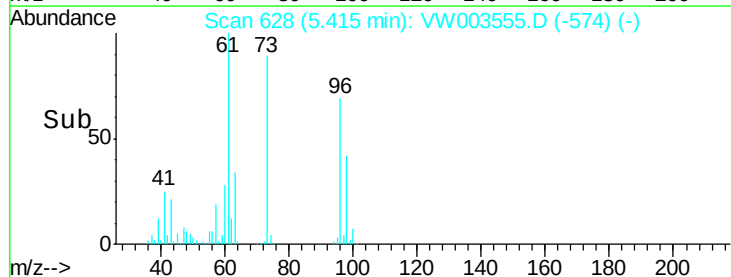
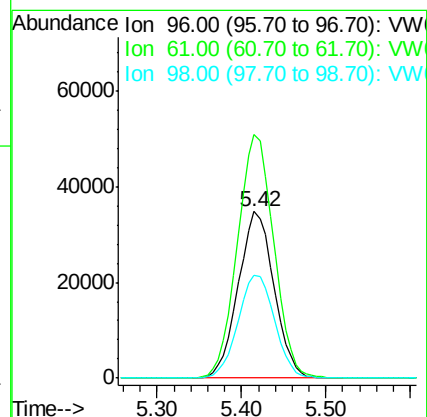
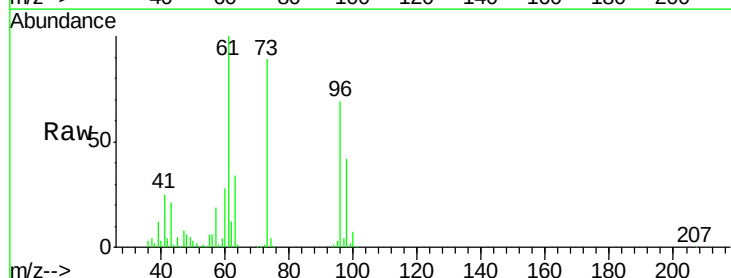
Instrument :
MSVOA_W
ClientSampleId :
VSTD02599

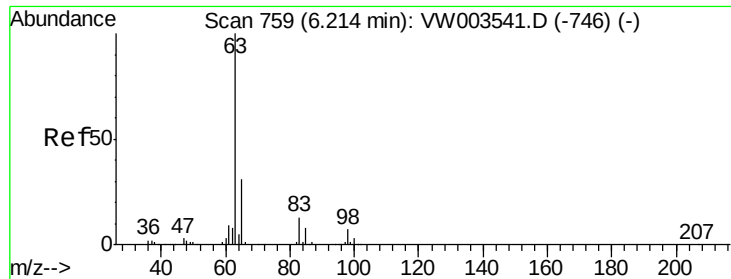
Tgt Ion: 73 Resp: 188687
Ion Ratio Lower Upper
73 100
43 22.7 18.6 27.8
57 22.4 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 25.085 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

Tgt Ion: 96 Resp: 100216
Ion Ratio Lower Upper
96 100
61 146.0 98.0 182.0
98 61.7 44.2 82.2

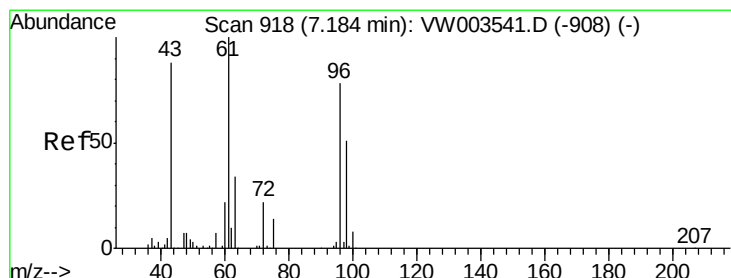
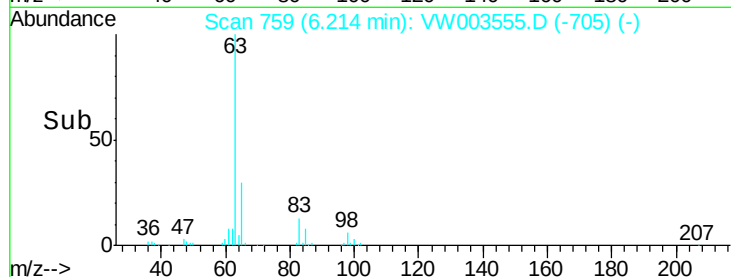
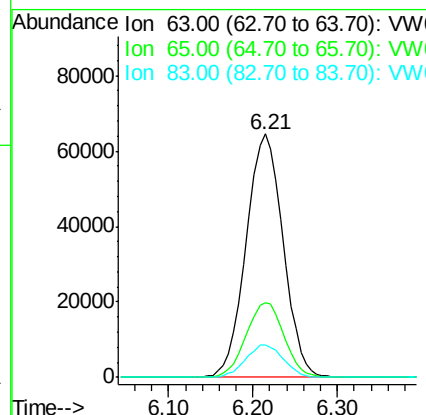
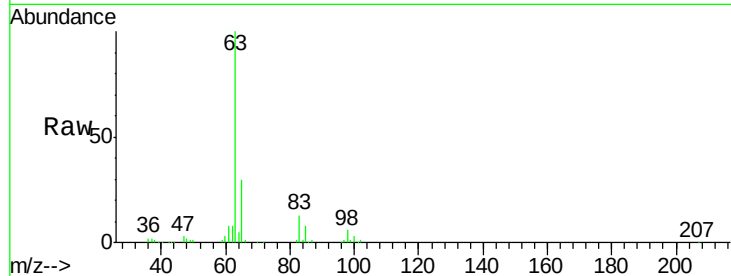




#19
 1,1-Dichloroethane
 Concen: 25.812 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

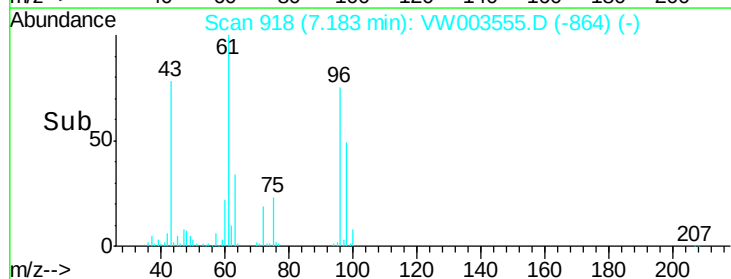
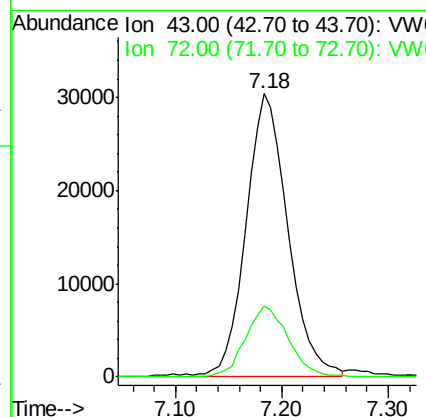
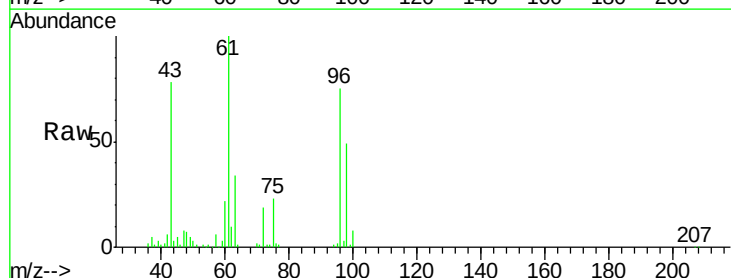
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

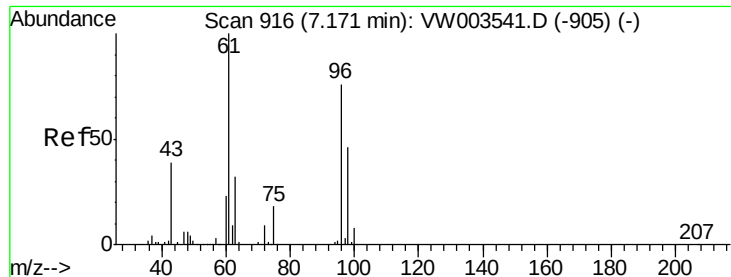
Tgt Ion: 63 Resp: 192447
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.8 40.4
 83 13.4 9.0 16.6



#21
 2-Butanone
 Concen: 51.062 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

Tgt Ion: 43 Resp: 83841
 Ion Ratio Lower Upper
 43 100
 72 25.4 12.5 37.5



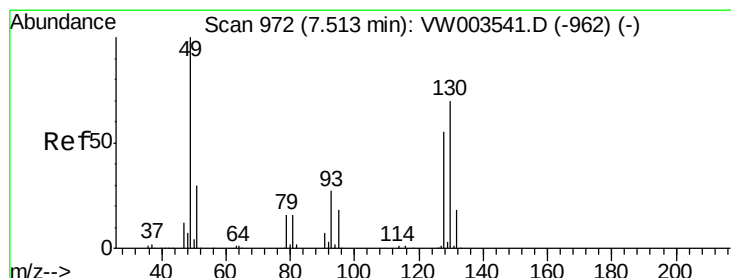
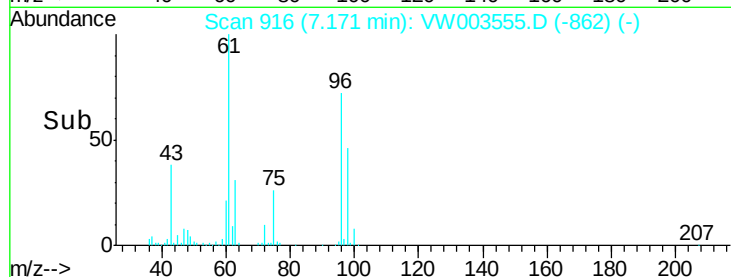
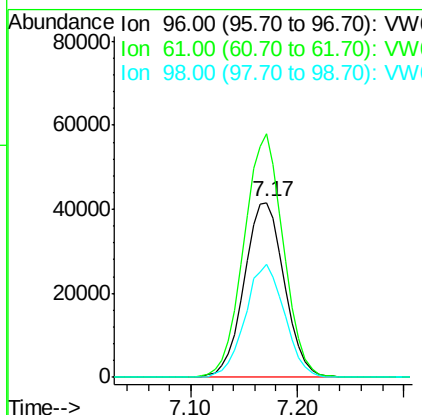
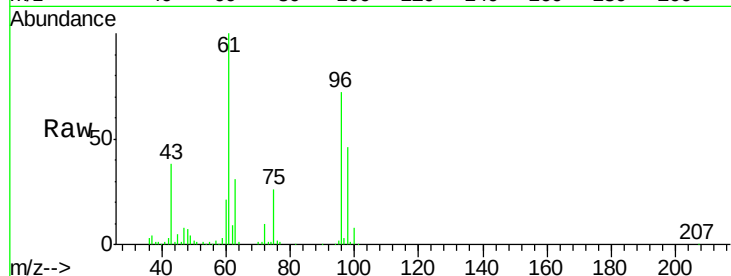


#22

cis-1,2-Dichloroethene
Concen: 25.953 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

Instrument :
MSVOA_W
ClientSampleId :
VSTD02599

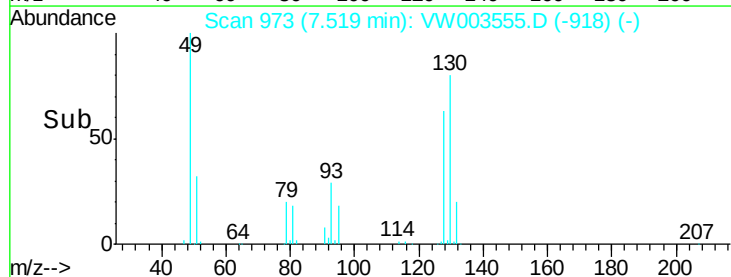
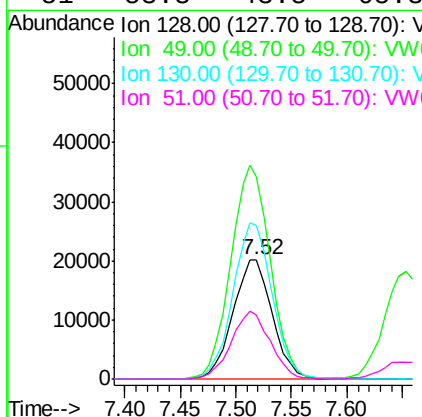
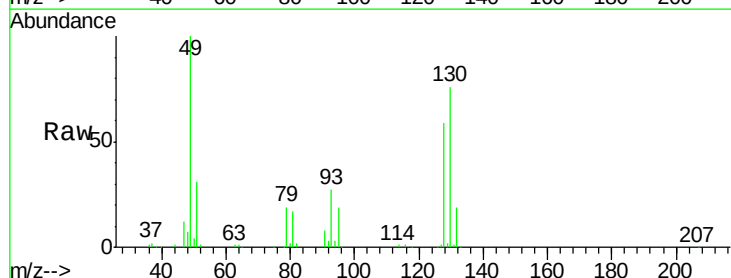
Tgt Ion: 96 Resp: 110191
Ion Ratio Lower Upper
96 100
61 139.4 97.7 181.5
98 64.5 45.0 83.6

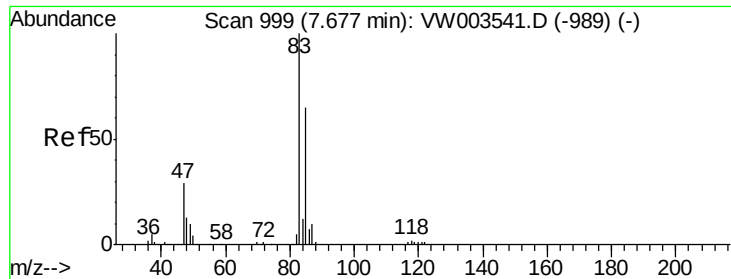


#23

Bromochloromethane
Concen: 25.042 ug/L
RT: 7.52 min Scan# 973
Delta R.T. 0.01 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

Tgt Ion: 128 Resp: 49185
Ion Ratio Lower Upper
128 100
49 169.2 122.0 226.6
130 128.2 88.1 163.5
51 53.3 43.5 65.3





#25

Chloroform

Concen: 25.806 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

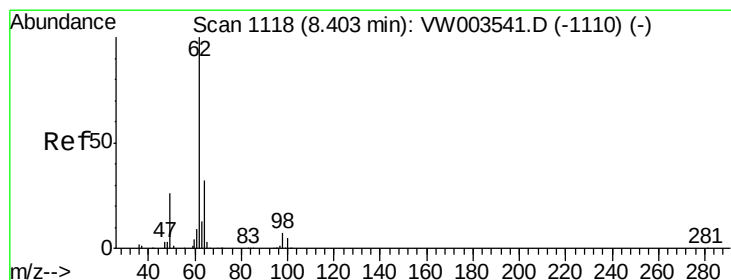
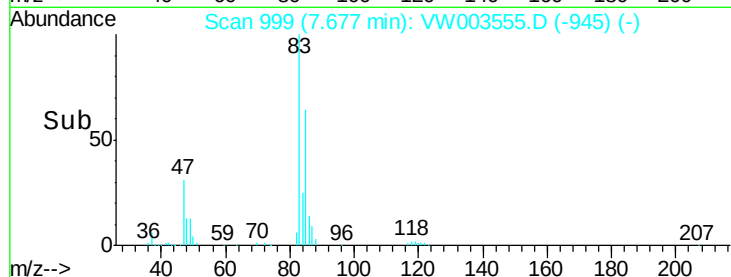
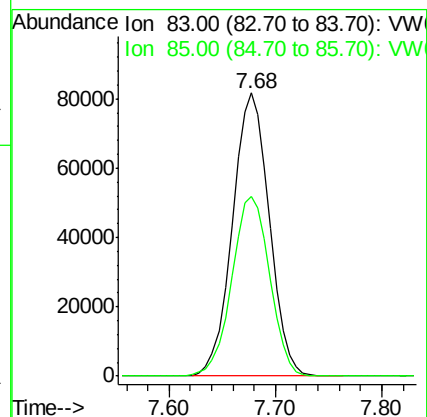
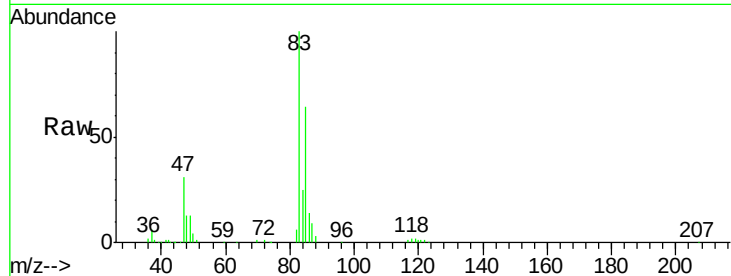
VSTD02599

Tgt Ion: 83 Resp: 197801

Ion Ratio Lower Upper

83 100

85 65.5 46.1 85.5



#27

1,2-Dichloroethane

Concen: 26.457 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW003555.D

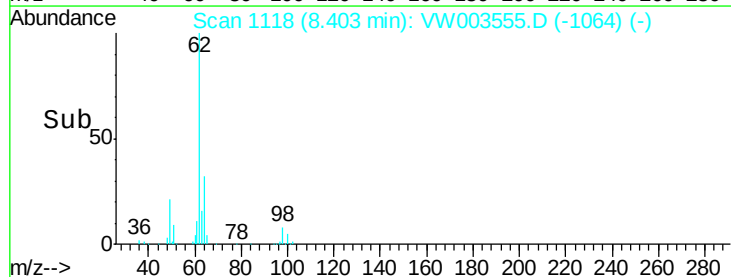
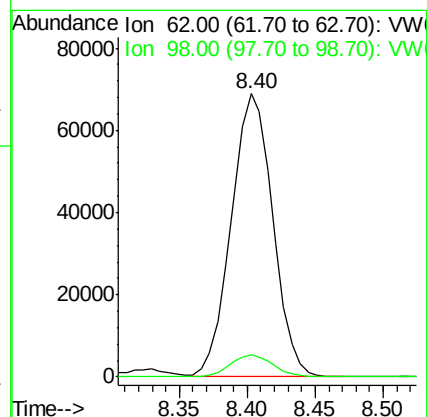
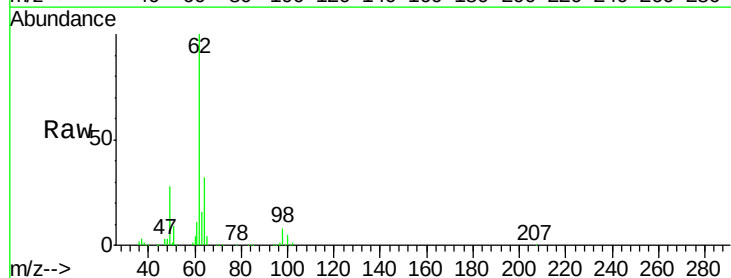
Acq: 25 Jun 2018 19:44

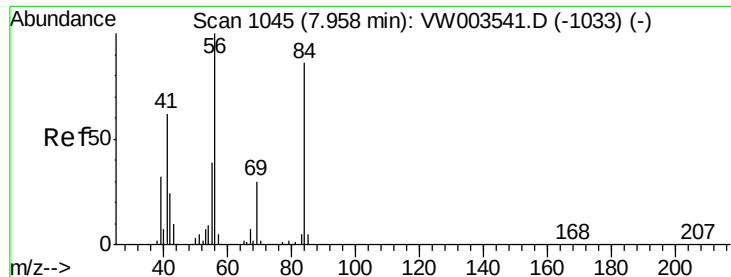
Tgt Ion: 62 Resp: 146853

Ion Ratio Lower Upper

62 100

98 8.0 6.5 9.7

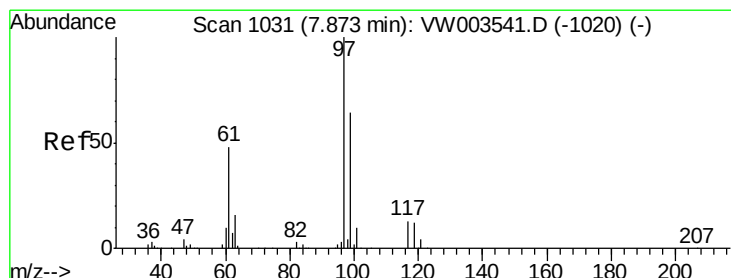
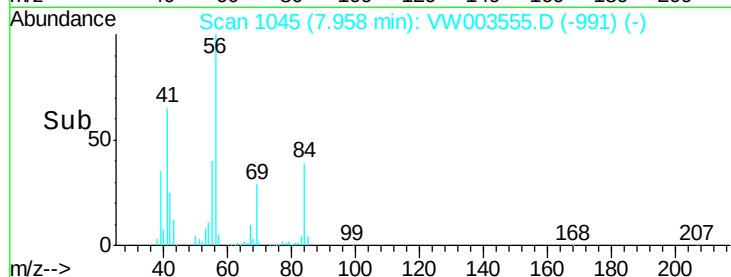
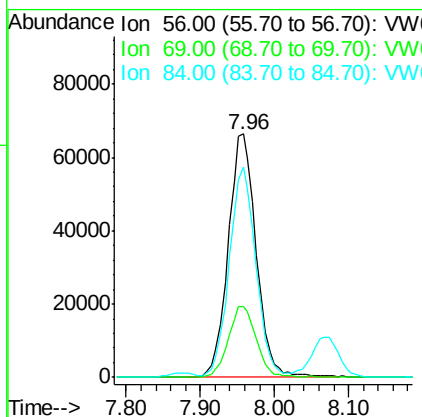
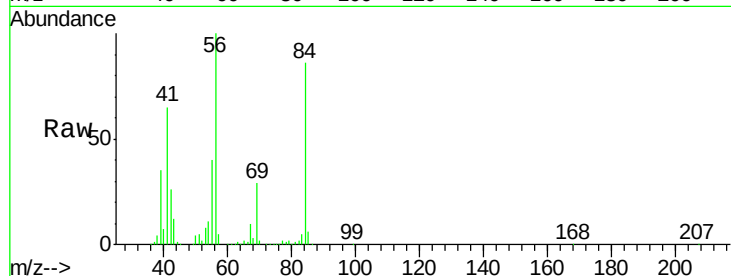




#30
Cyclohexane
Concen: 25.877 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

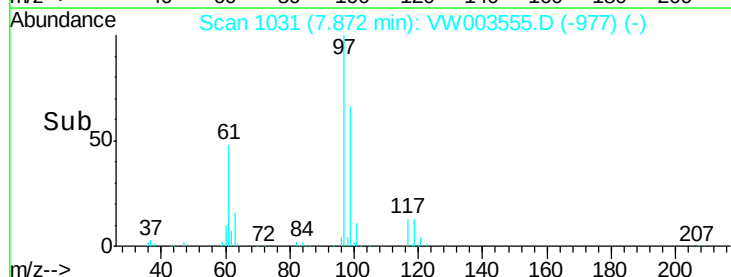
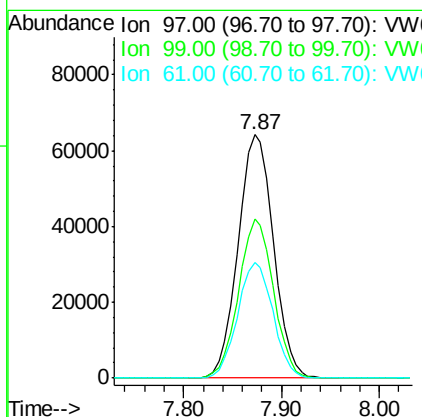
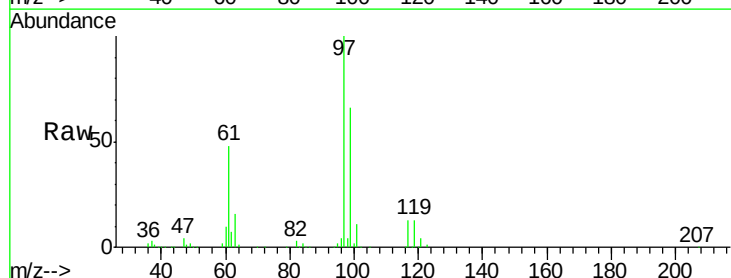
Instrument :
MSVOA_W
ClientSampleId :
VSTD02599

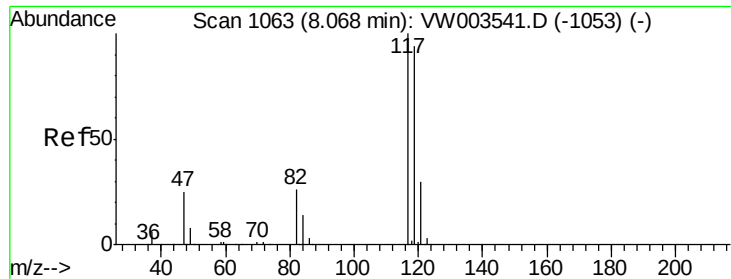
Tgt Ion: 56 Resp: 174789
Ion Ratio Lower Upper
56 100
69 29.1 23.4 35.2
84 82.7 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 25.089 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

Tgt Ion: 97 Resp: 161261
Ion Ratio Lower Upper
97 100
99 64.3 50.9 76.3
61 47.6 37.7 56.5





#32

Carbon tetrachloride

Concen: 25.497 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

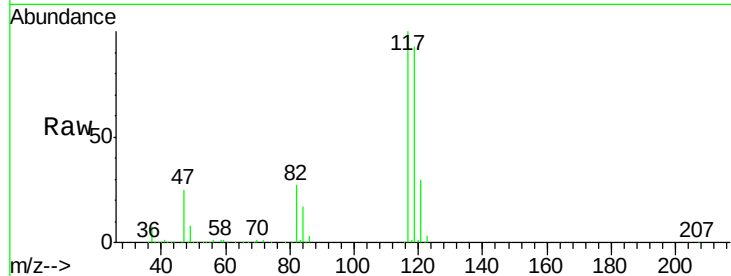
VSTD02599

Tgt Ion:117 Resp: 158330

Ion Ratio Lower Upper

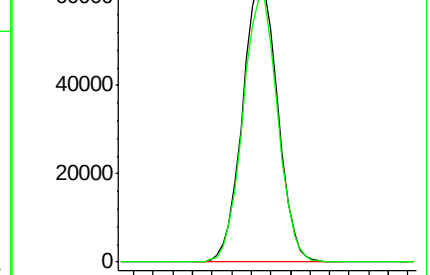
117 100

119 94.4 76.6 114.8

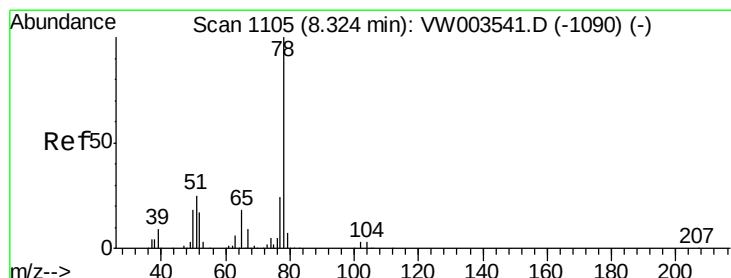
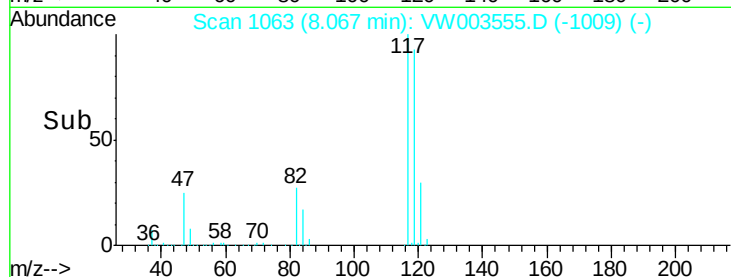


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 25.557 ug/L

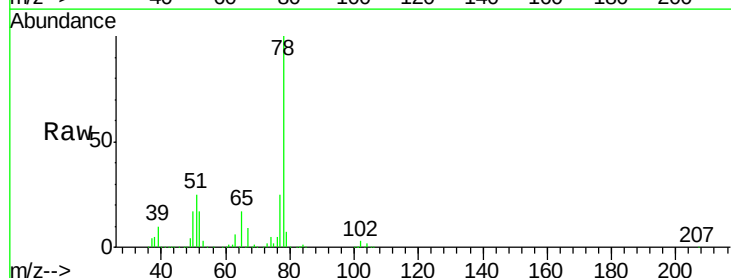
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

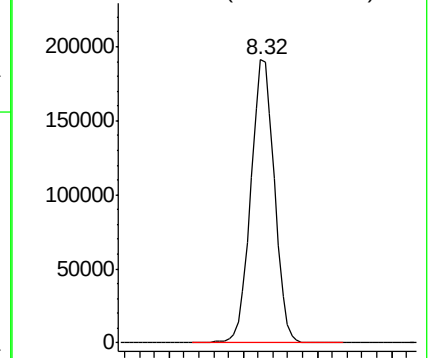
Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

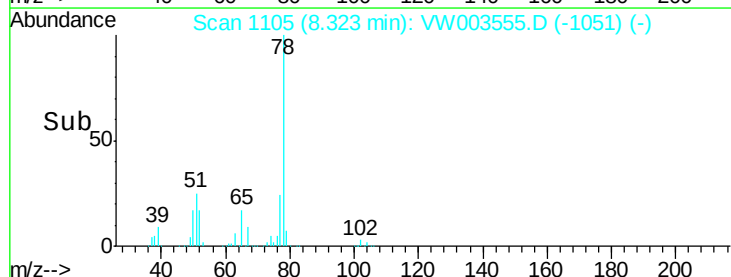
Tgt Ion: 78 Resp: 426375

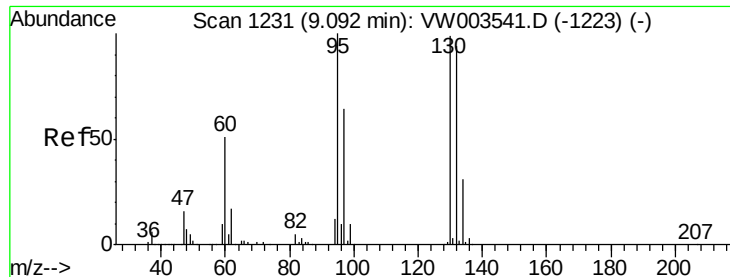


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->

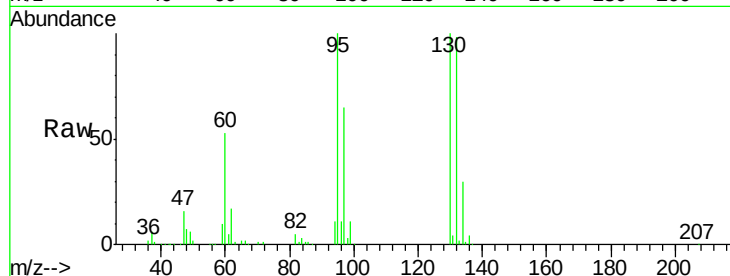




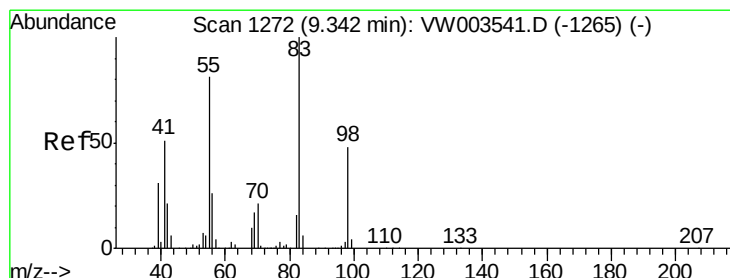
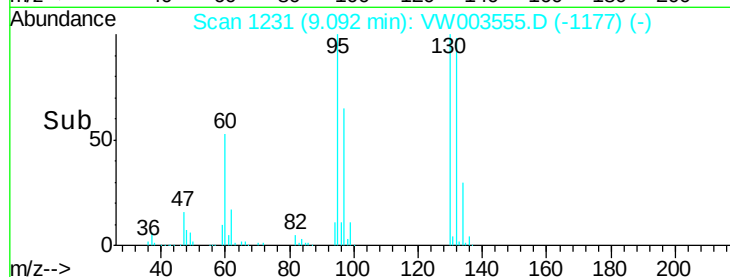
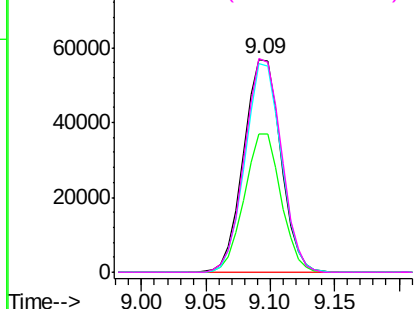
#35
 Trichloroethene
 Concen: 25.160 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

Tgt Ion:	95	Resp:	113131
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.6	84.6
132	95.4	67.8	125.8
130	99.7	70.6	131.0

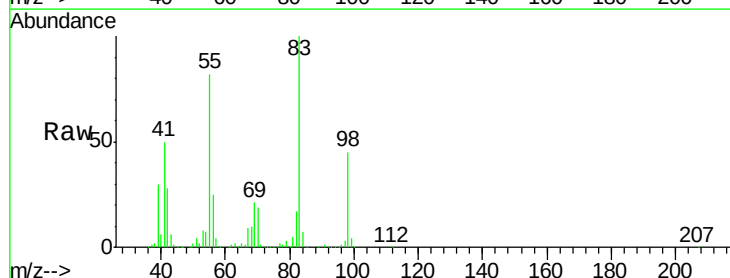


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

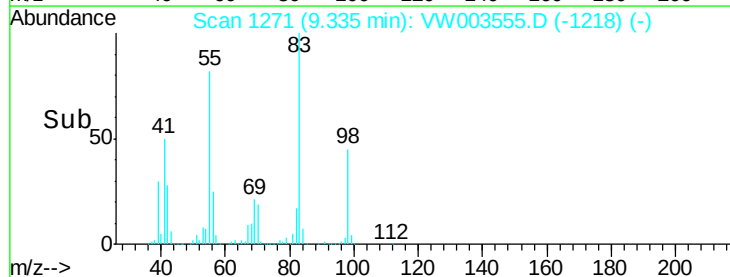
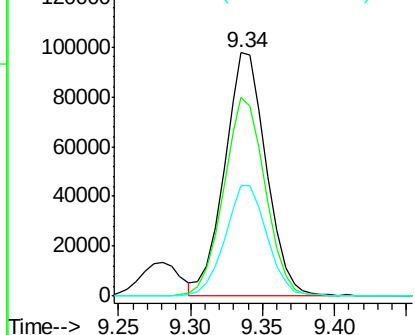


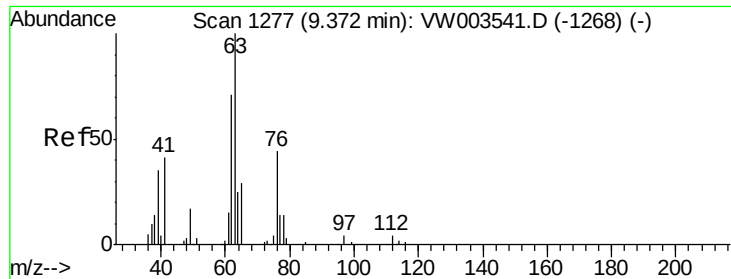
#36
 Methylcyclohexane
 Concen: 25.484 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

Tgt Ion:	83	Resp:	195622
Ion	Ratio	Lower	Upper
83	100		
55	82.0	63.9	95.9
98	46.1	37.1	55.7



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

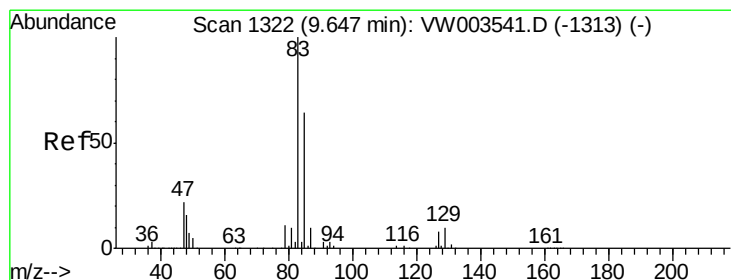
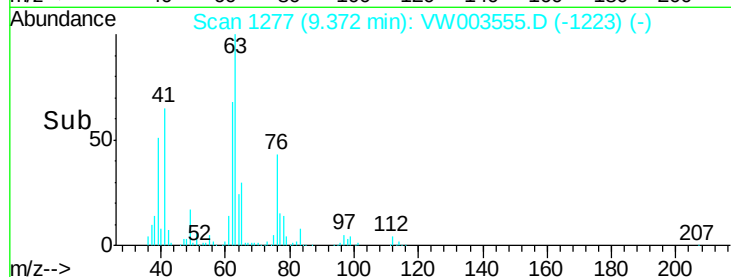
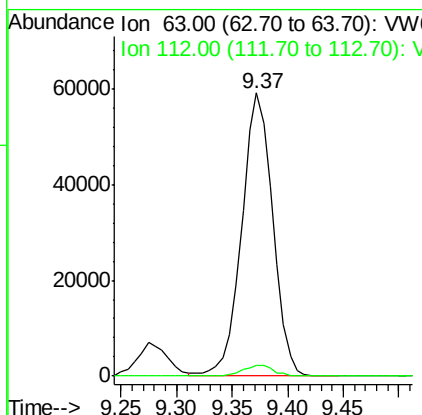
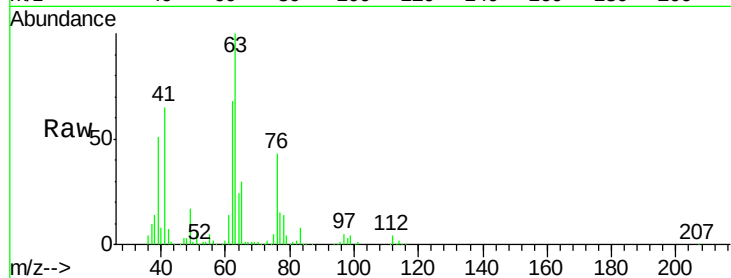




#40
 1,2-Dichloropropane
 Concen: 26.172 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

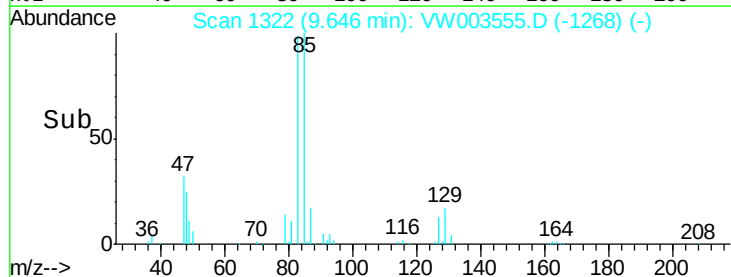
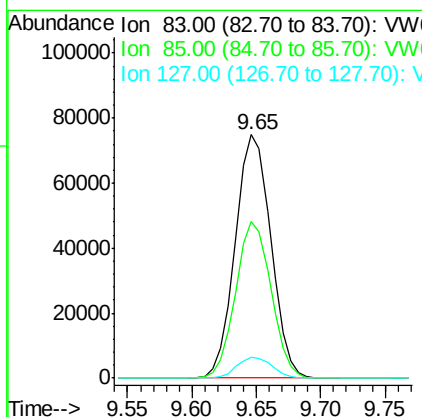
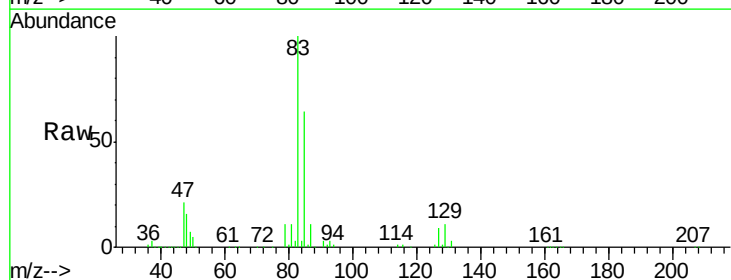
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

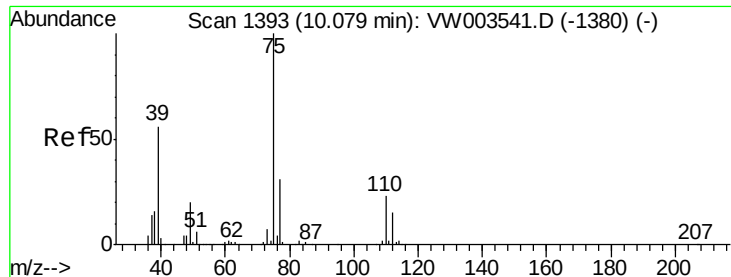
Tgt Ion: 63 Resp: 114905
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.4 5.0



#41
 Bromodichloromethane
 Concen: 25.464 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

Tgt Ion: 83 Resp: 143695
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.7 83.1
 127 8.5 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 25.833 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

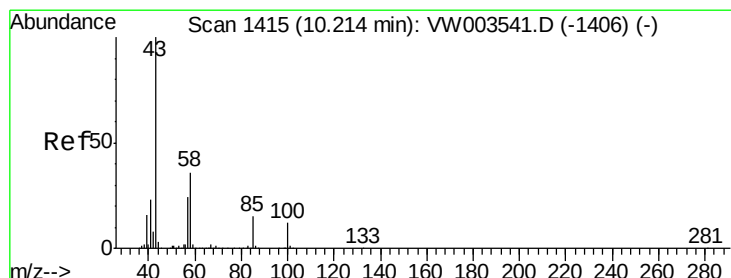
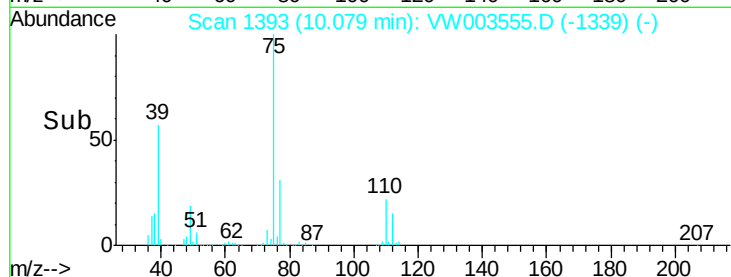
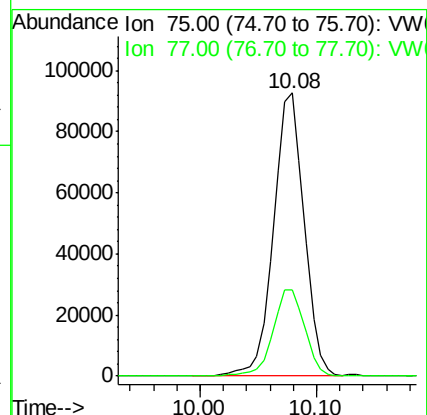
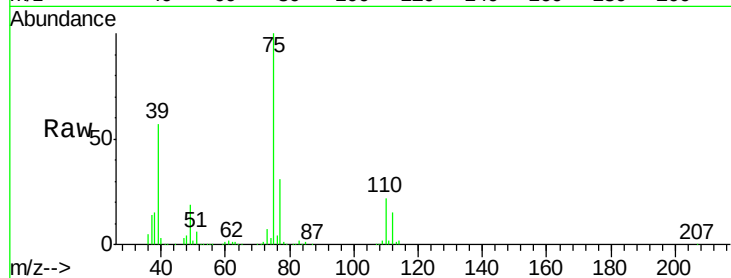
VSTD02599

Tgt Ion: 75 Resp: 169262

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.6



#43

4-Methyl-2-pentanone

Concen: 54.312 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

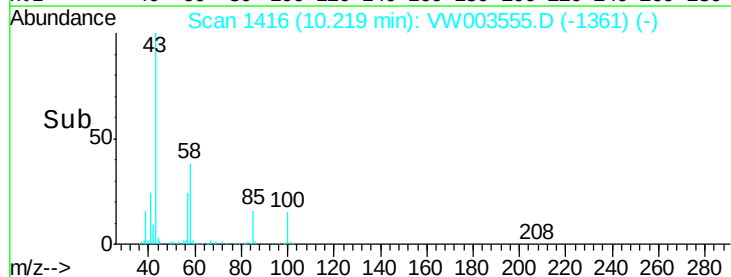
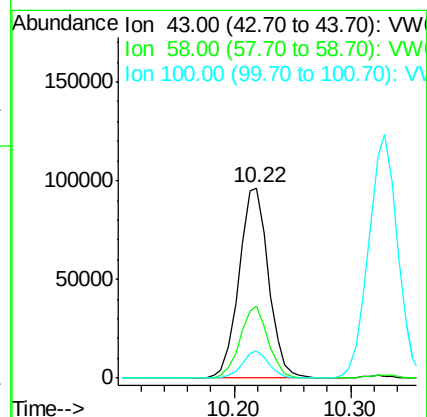
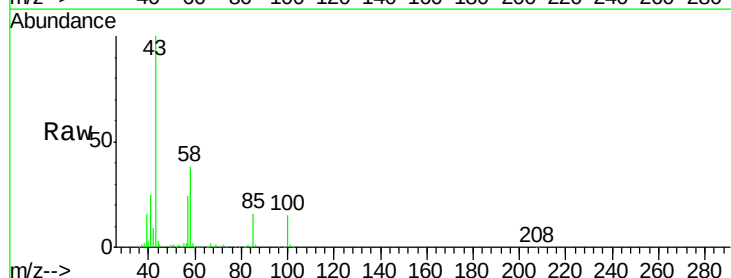
Tgt Ion: 43 Resp: 170352

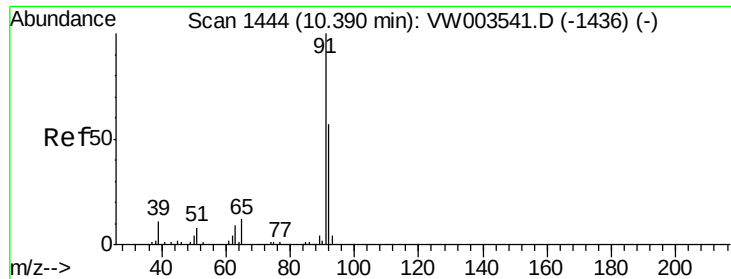
Ion Ratio Lower Upper

43 100

58 36.1 28.7 43.1

100 13.1 11.1 16.7





#44

Toluene

Concen: 25.861 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

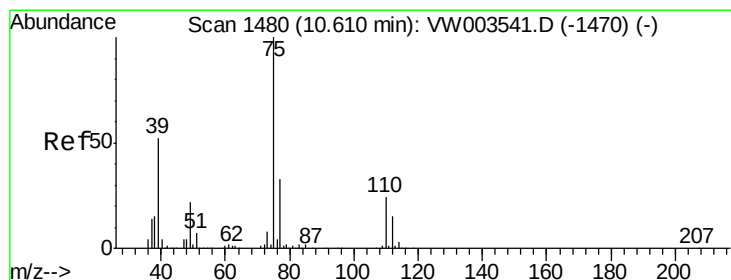
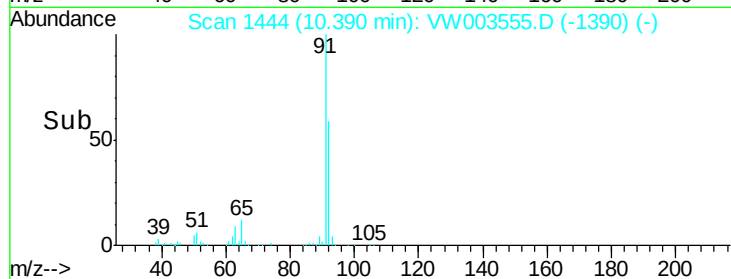
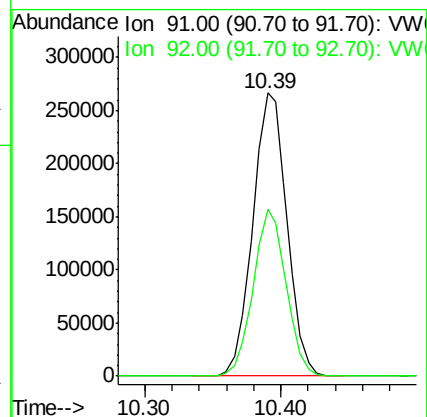
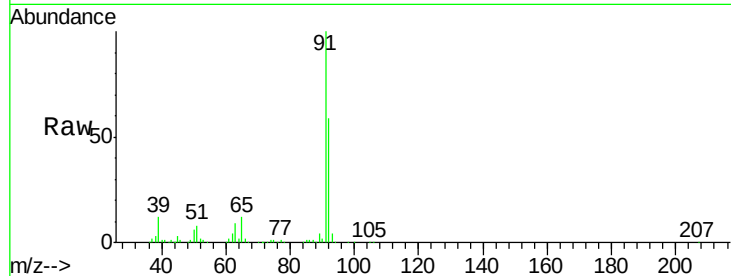
VSTD02599

Tgt Ion: 91 Resp: 467910

Ion Ratio Lower Upper

91 100

92 58.8 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.980 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003555.D

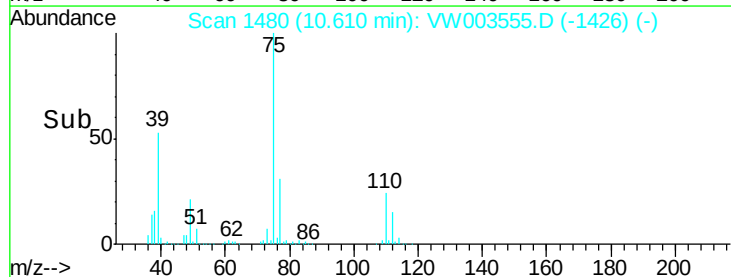
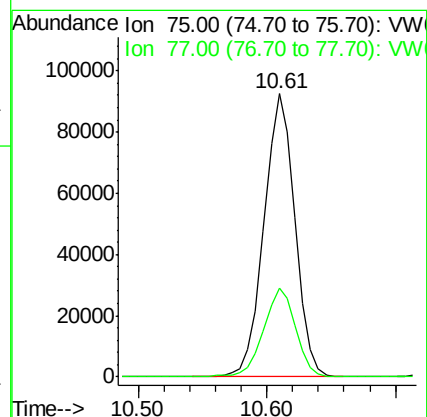
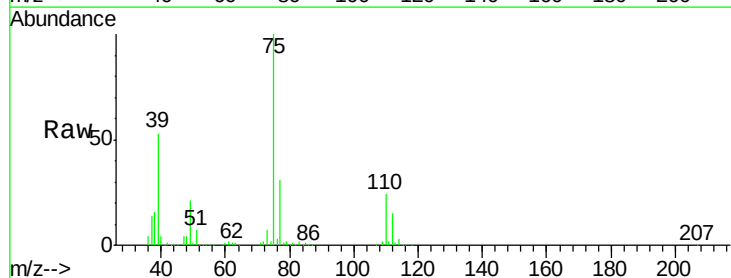
Acq: 25 Jun 2018 19:44

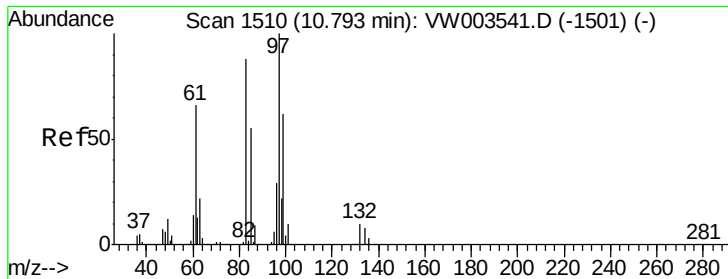
Tgt Ion: 75 Resp: 154036

Ion Ratio Lower Upper

75 100

77 31.4 22.4 41.6

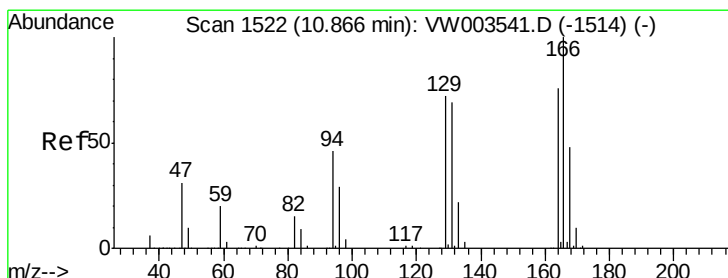
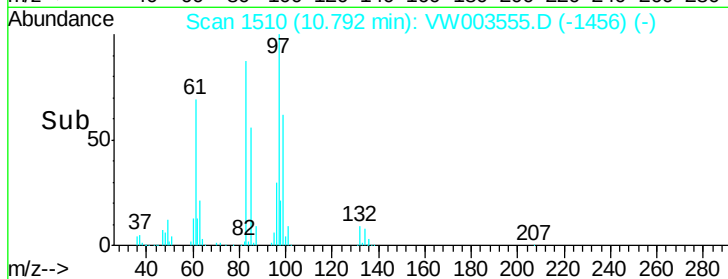
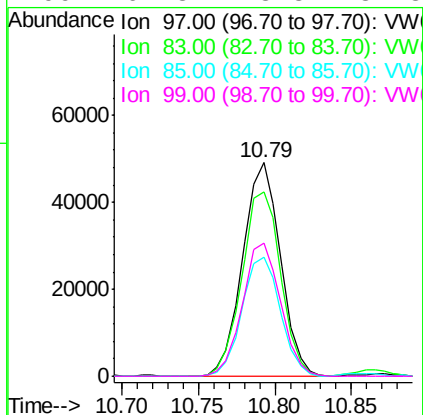
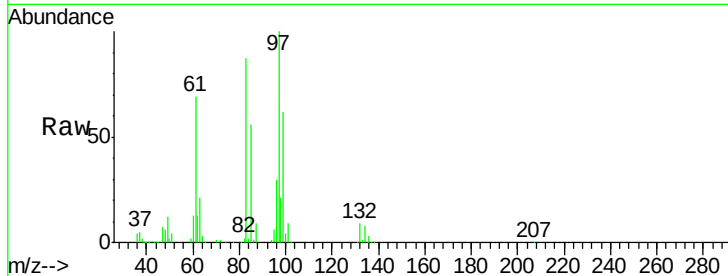




#46
 1,1,2-Trichloroethane
 Concen: 25.773 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

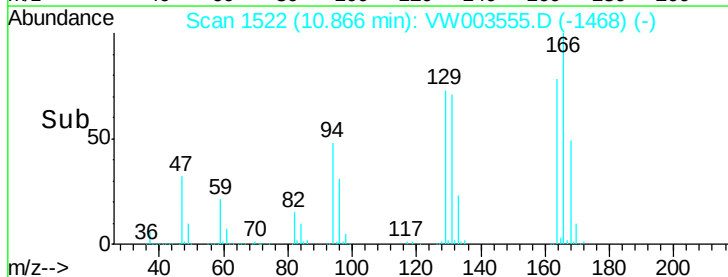
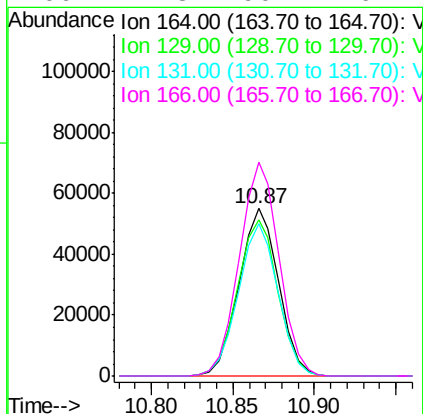
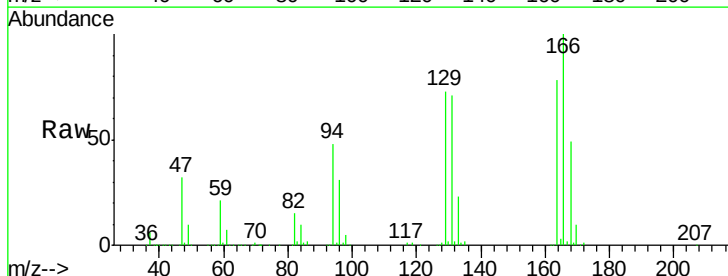
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

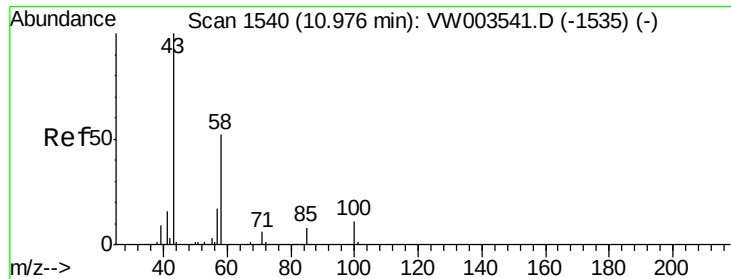
Tgt Ion:	97	Resp:	84472
Ion	Ratio	Lower	Upper
97	100		
83	86.6	58.8	109.2
85	55.9	38.8	72.0
99	62.3	43.8	81.3



#47
 Tetrachloroethene
 Concen: 24.606 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

Tgt Ion:	164	Resp:	92976
Ion	Ratio	Lower	Upper
164	100		
129	93.6	67.3	124.9
131	91.3	63.8	118.4
166	127.8	90.2	167.4

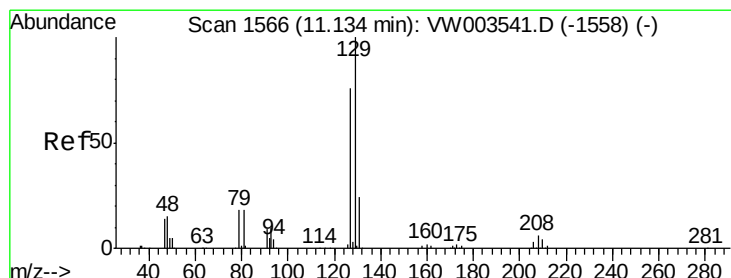
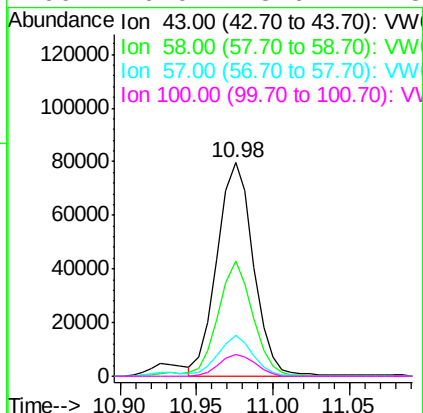
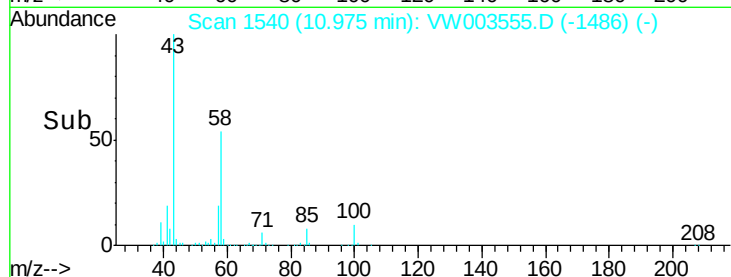
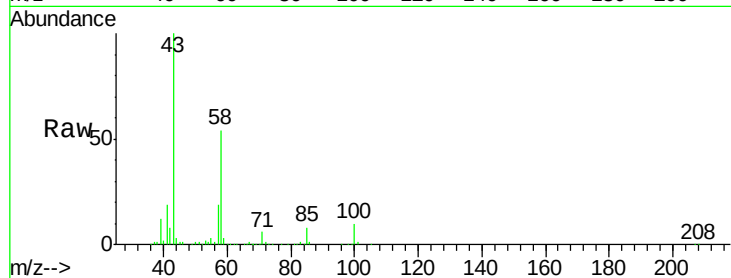




#49
2-Hexanone
Concen: 56.500 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

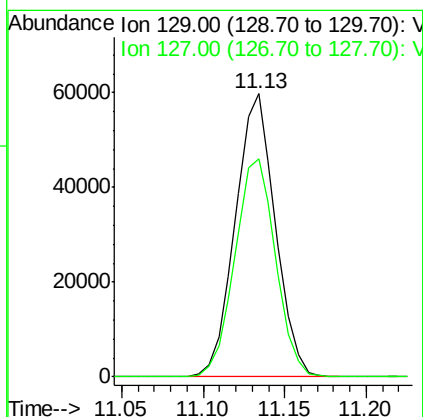
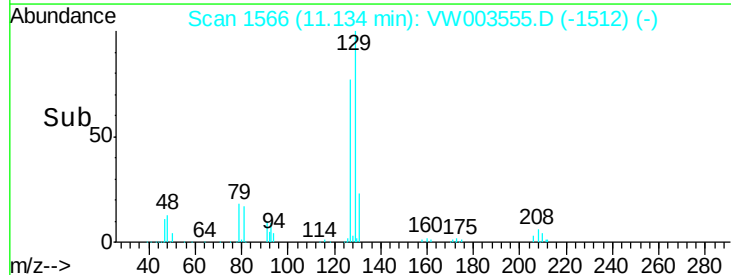
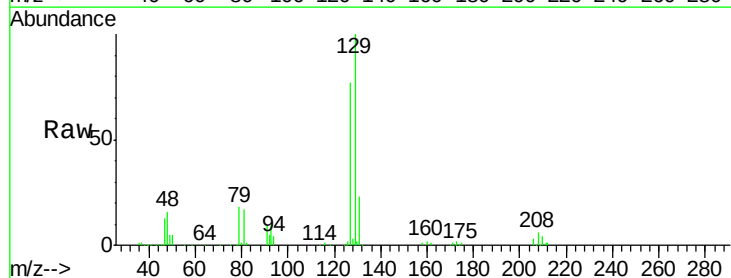
Instrument :
MSVOA_W
ClientSampleId :
VSTD02599

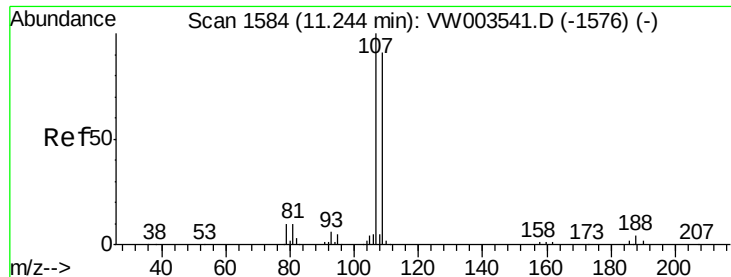
Tgt Ion: 43 Resp: 132060
Ion Ratio Lower Upper
43 100
58 50.9 40.4 60.6
57 18.1 14.6 21.8
100 10.0 8.6 12.8



#50
Dibromochloromethane
Concen: 25.585 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

Tgt Ion: 129 Resp: 102085
Ion Ratio Lower Upper
129 100
127 76.9 56.0 104.0

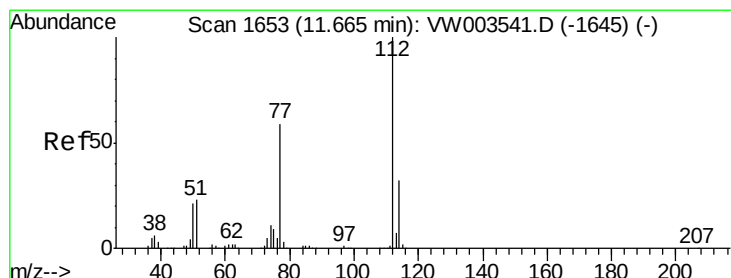
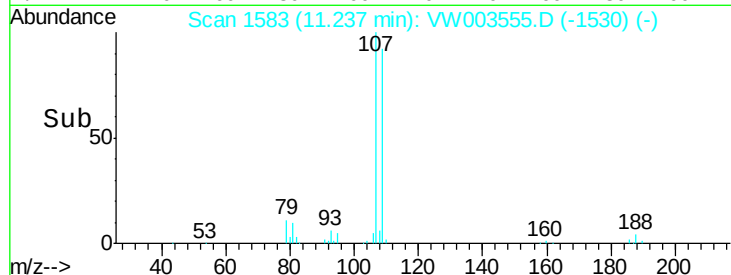
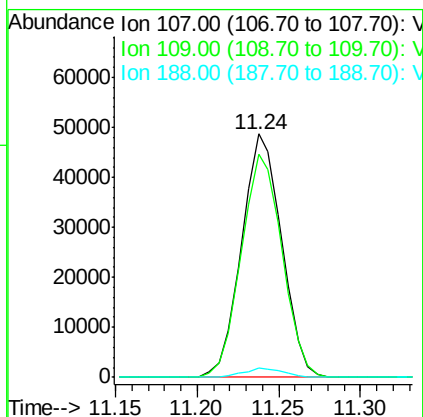
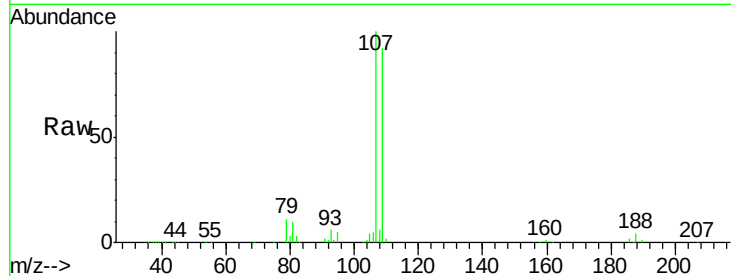




#51
1,2-Dibromoethane
Concen: 25.648 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

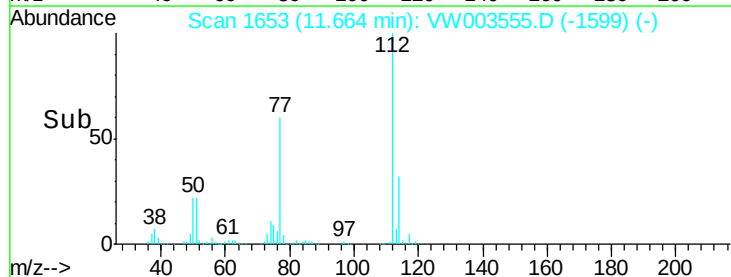
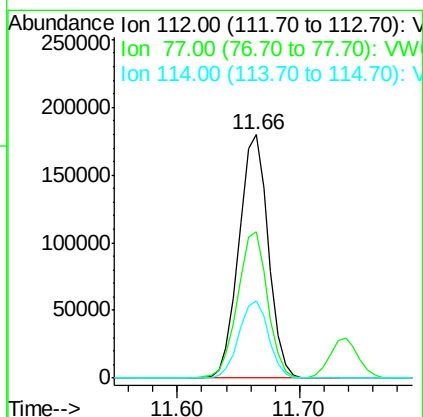
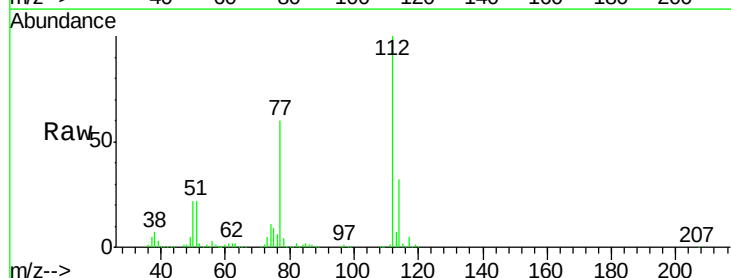
Instrument :
MSVOA_W
ClientSampleId :
VSTD02599

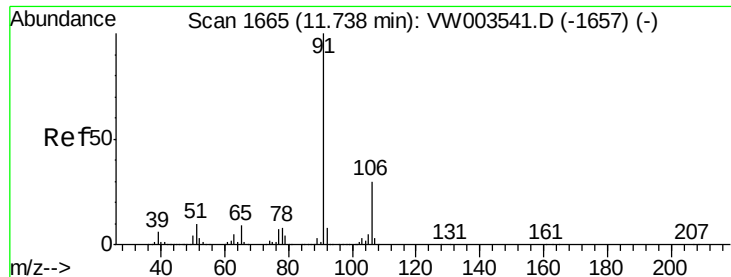
Tgt Ion:107 Resp: 83534
Ion Ratio Lower Upper
107 100
109 91.5 64.5 119.9
188 3.7 2.8 4.2



#52
Chlorobenzene
Concen: 25.460 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW003555.D
Acq: 25 Jun 2018 19:44

Tgt Ion:112 Resp: 299144
Ion Ratio Lower Upper
112 100
77 60.1 47.3 70.9
114 31.9 22.2 41.2





#53

Ethylbenzene

Concen: 26.328 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

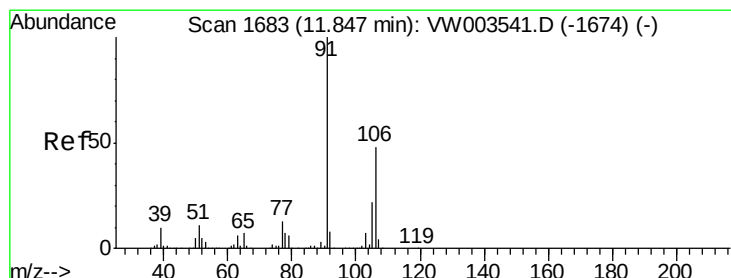
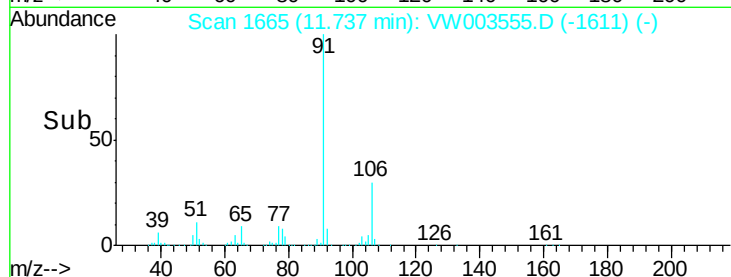
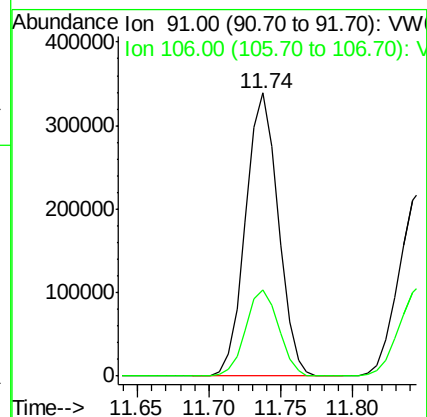
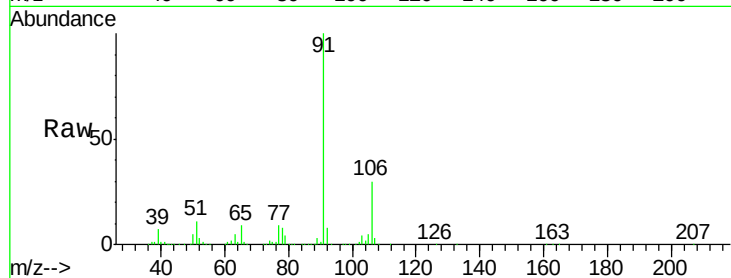
VSTD02599

Tgt Ion: 91 Resp: 534302

Ion Ratio Lower Upper

91 100

106 30.3 21.8 40.4



#54

m,p-Xylene

Concen: 26.673 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003555.D

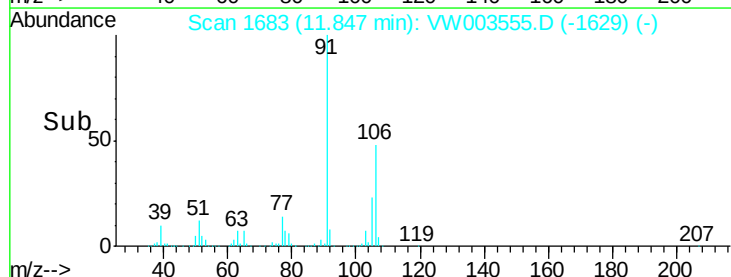
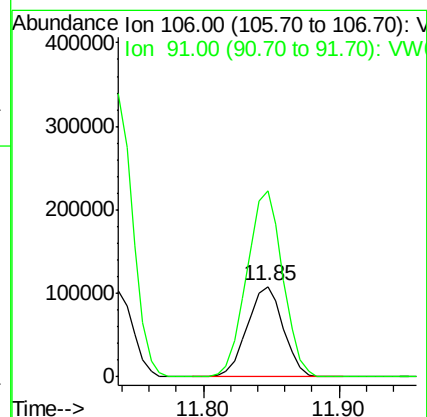
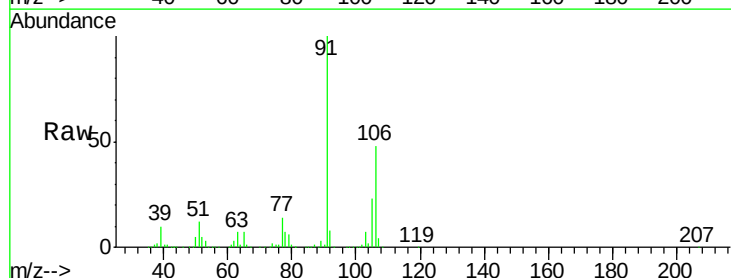
Acq: 25 Jun 2018 19:44

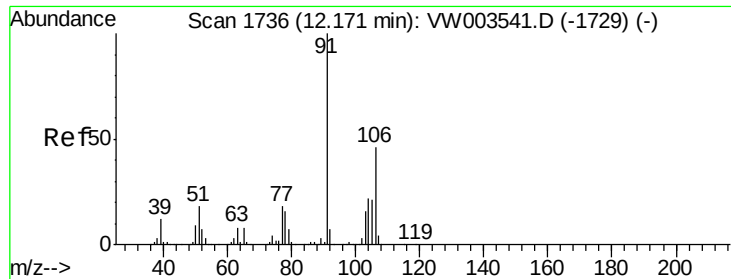
Tgt Ion: 106 Resp: 201044

Ion Ratio Lower Upper

106 100

91 206.4 146.4 271.8





#55

o-xylene

Concen: 26.504 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

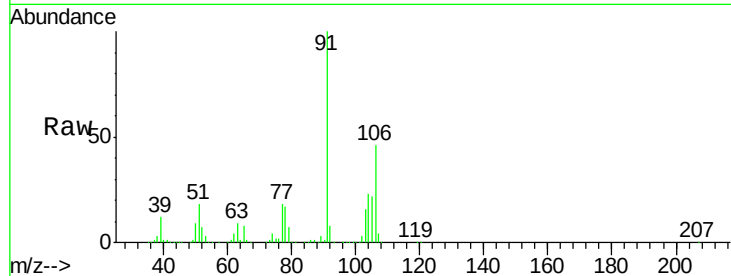
VSTD02599

Tgt Ion:106 Resp: 190025

Ion Ratio Lower Upper

106 100

91 215.4 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

250000

200000

150000

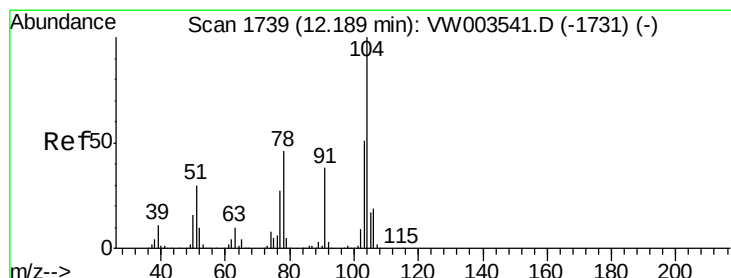
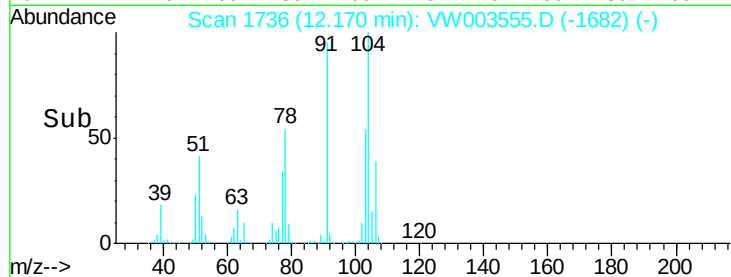
100000

50000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 26.948 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW003555.D

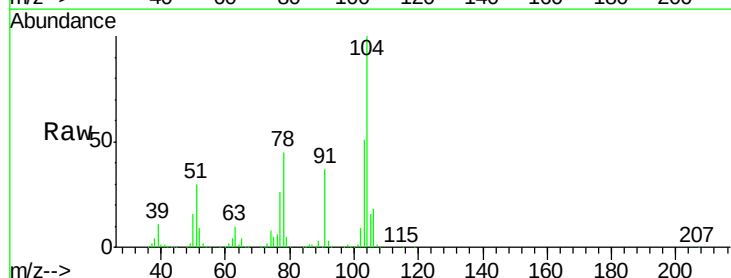
Acq: 25 Jun 2018 19:44

Tgt Ion:104 Resp: 333578

Ion Ratio Lower Upper

104 100

78 45.3 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

200000

150000

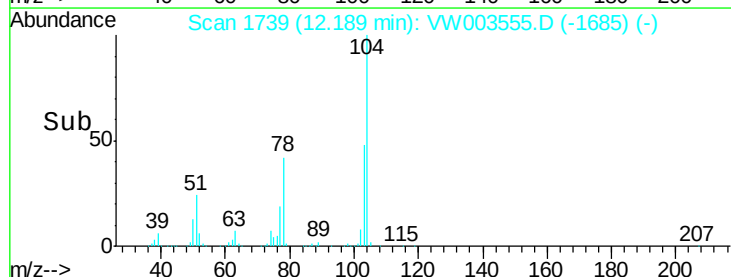
100000

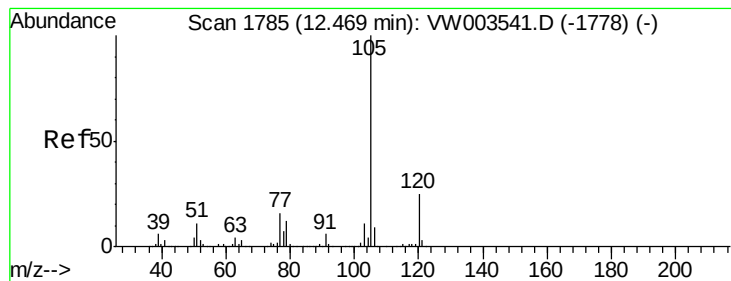
50000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 26.791 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02599

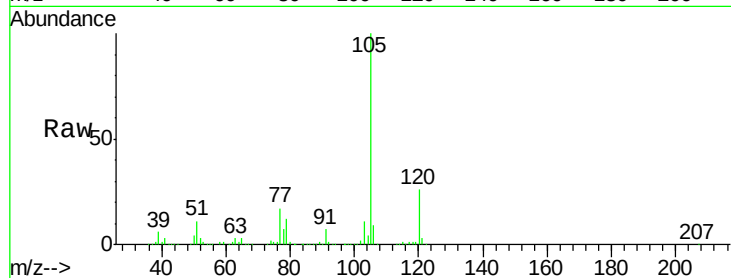
Tgt Ion: 105 Resp: 532935

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

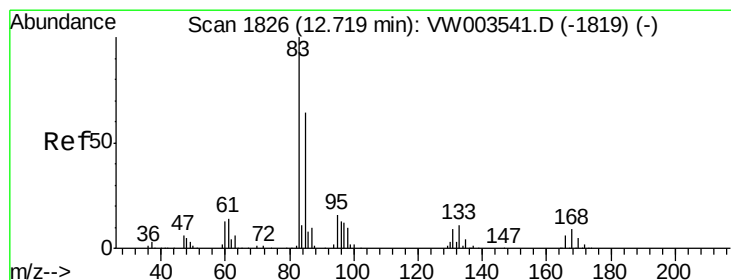
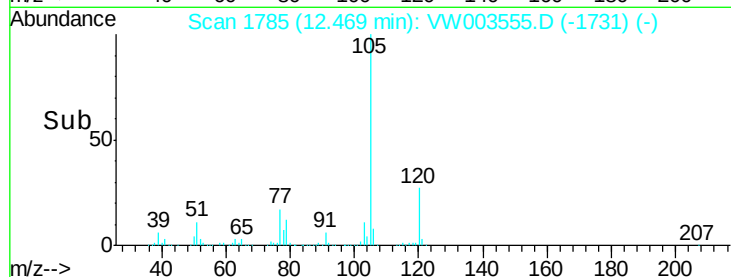
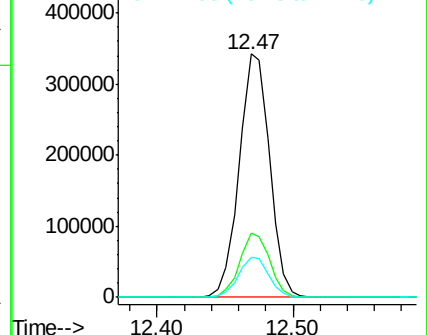
77 16.5 13.3 19.9



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: 26.731 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

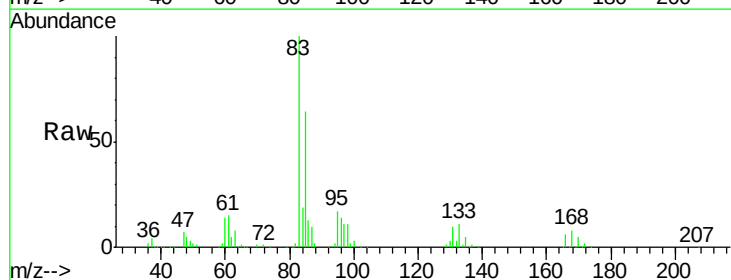
Tgt Ion: 83 Resp: 115497

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.9

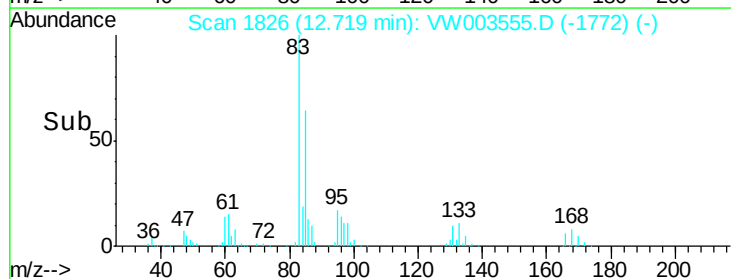
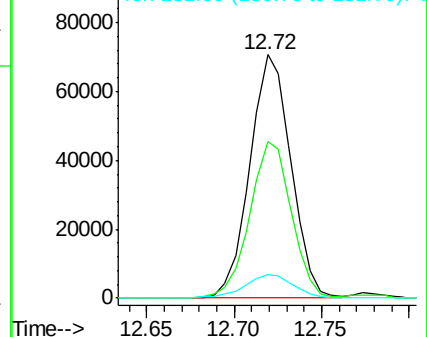
131 9.7 8.2 12.2

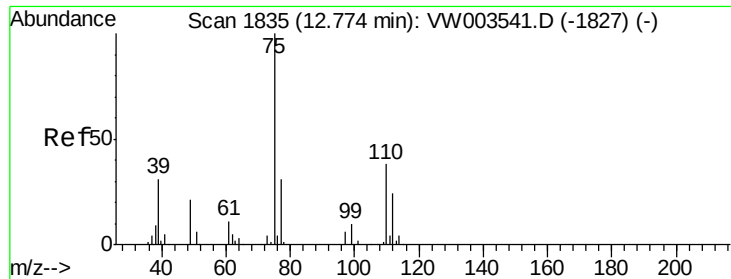


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.518 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

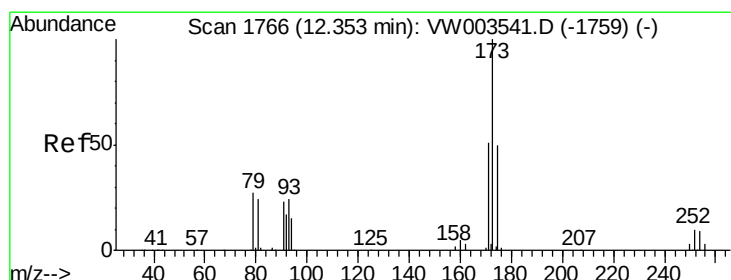
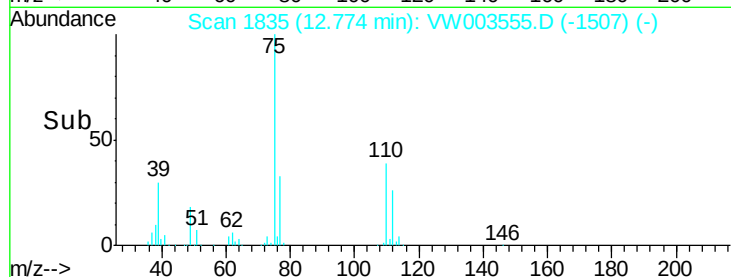
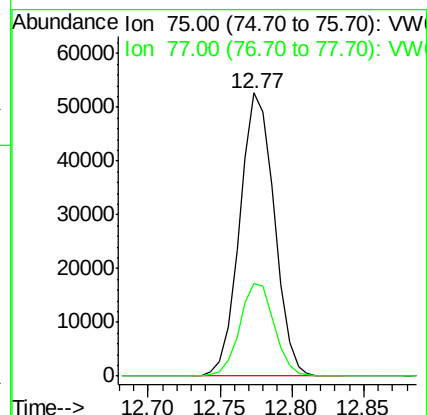
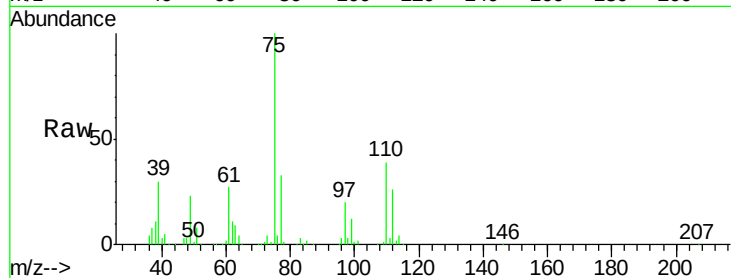
VSTD02599

Tgt Ion: 75 Resp: 87811

Ion Ratio Lower Upper

75 100

77 32.7 26.0 39.0



#62

Bromoform

Concen: 24.560 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

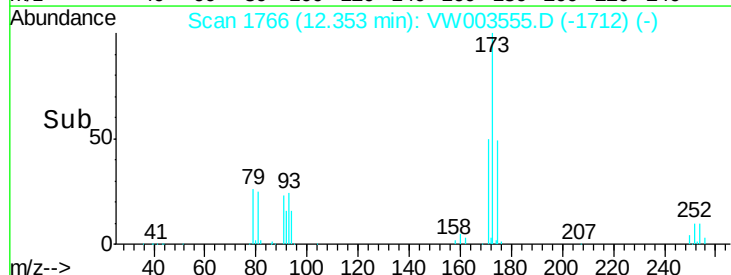
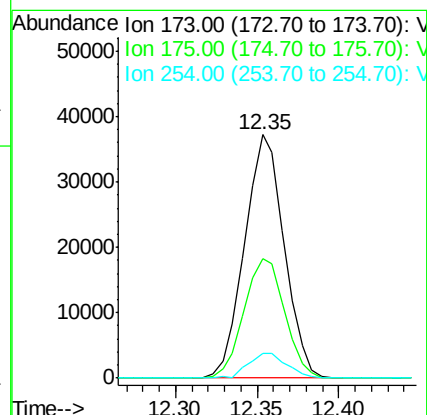
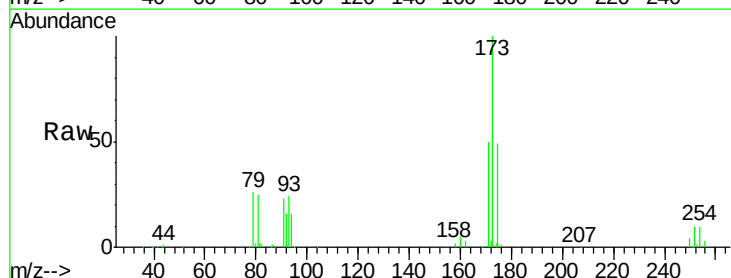
Tgt Ion: 173 Resp: 63031

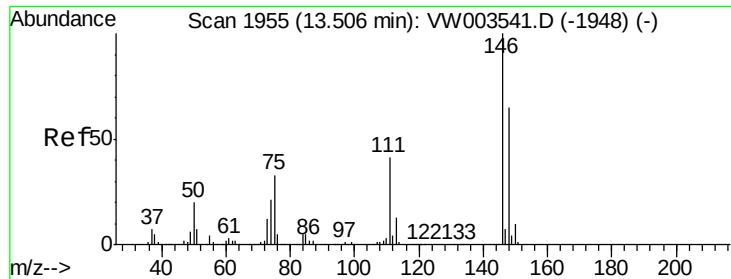
Ion Ratio Lower Upper

173 100

175 50.2 39.9 59.9

254 9.7 7.7 11.5

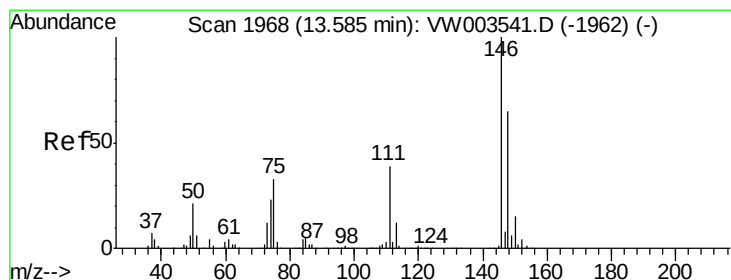
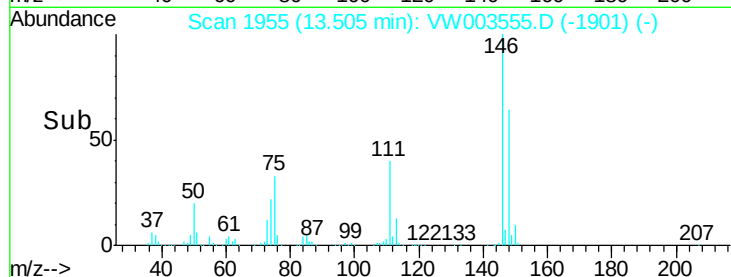
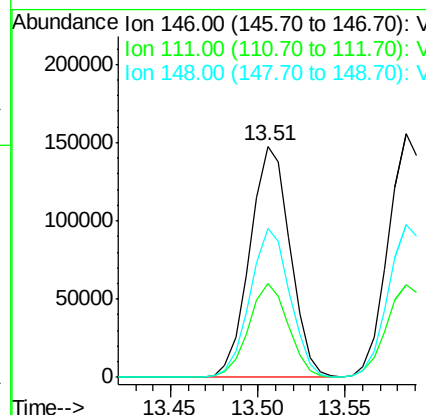
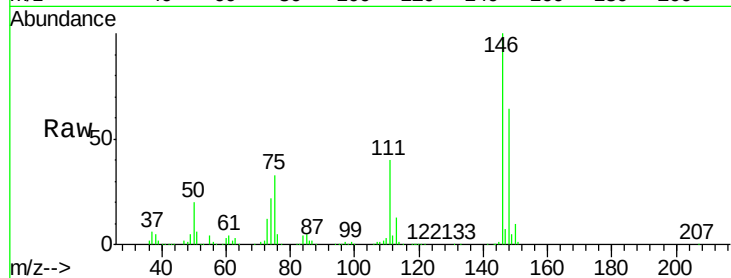




#63
 1,3-Dichlorobenzene
 Concen: 25.244 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

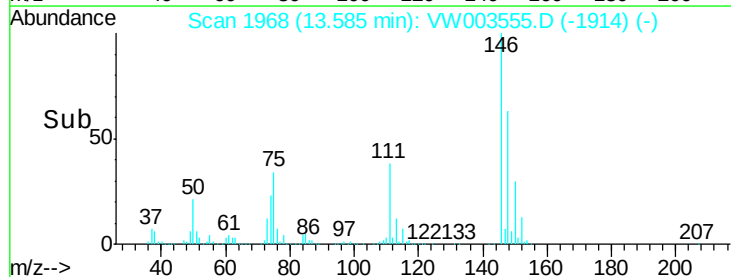
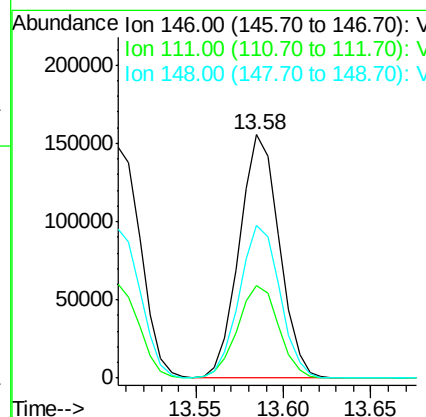
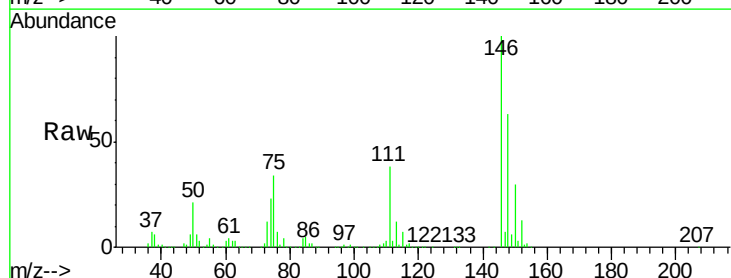
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

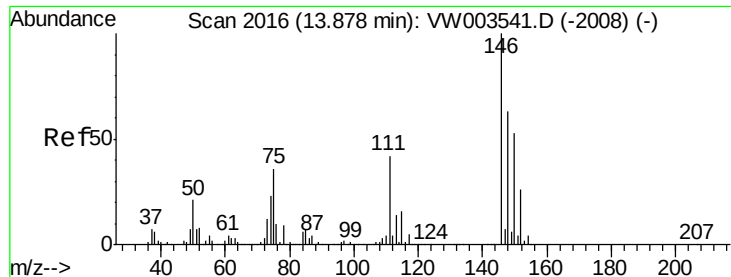
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	27.9	51.7
148	64.2	44.9	83.3



#64
 1,4-Dichlorobenzene
 Concen: 25.131 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.8	49.8
148	62.5	45.4	84.2

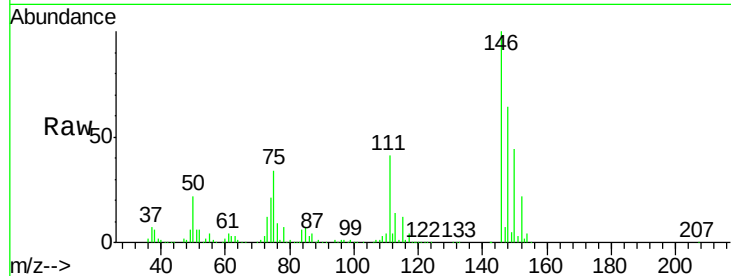




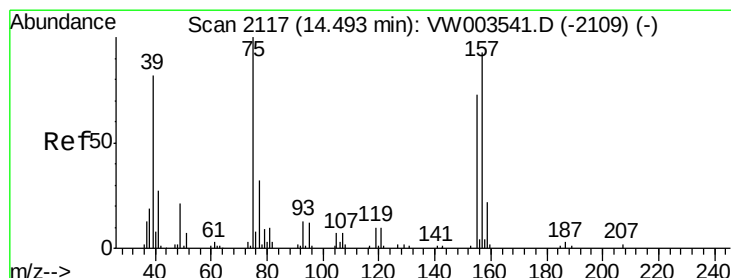
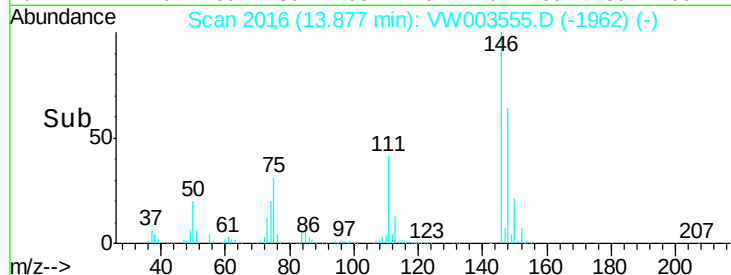
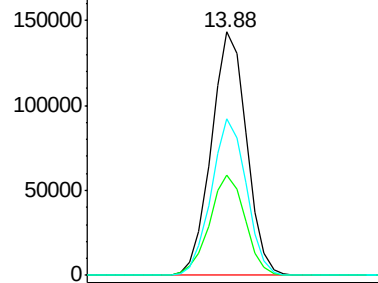
#65
 1,2-Dichlorobenzene
 Concen: 25.520 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

Tgt Ion: 146 Resp: 228452
 Ion Ratio Lower Upper
 146 100
 111 41.1 33.1 49.7
 148 64.1 51.0 76.6

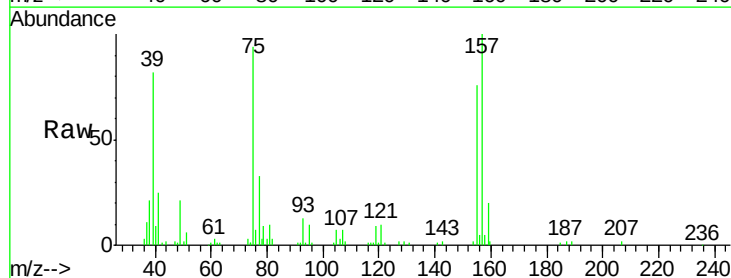


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

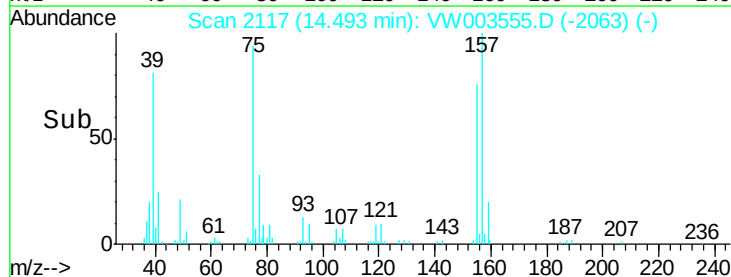
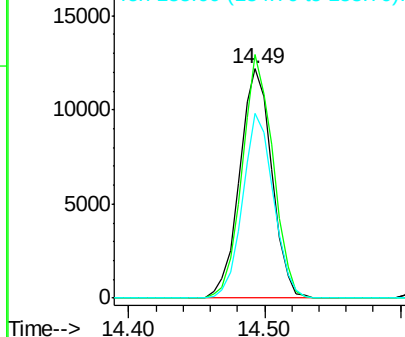


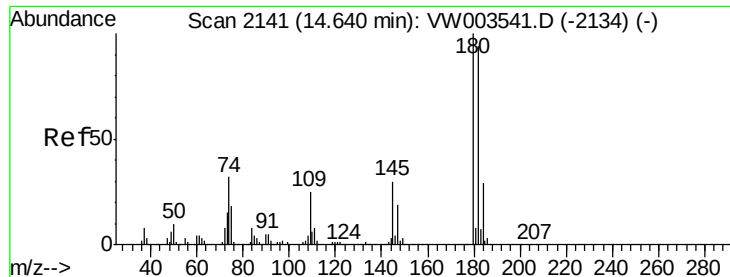
#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.561 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

Tgt Ion: 75 Resp: 20081
 Ion Ratio Lower Upper
 75 100
 157 106.2 70.7 106.1#
 155 80.3 59.0 88.6



Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

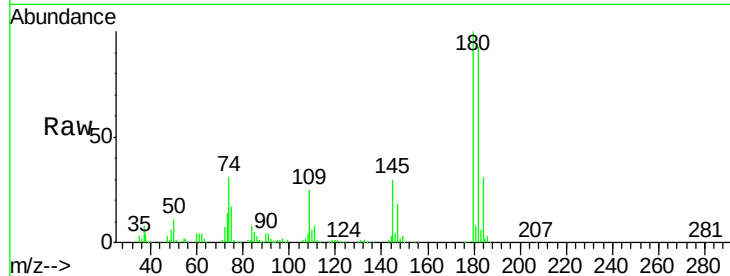




#67
 1,3,5-Trichlorobenzene
 Concen: 25.872 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.9	113.9
184	30.2	24.5	36.7
145	29.9	23.4	35.2

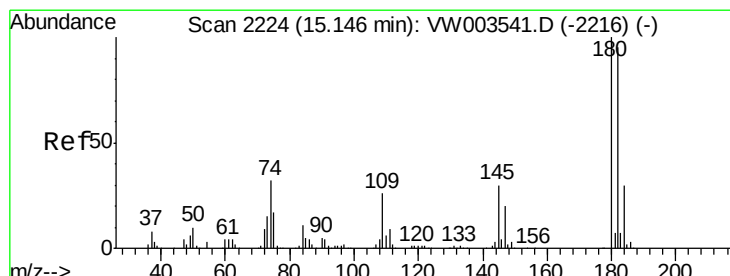
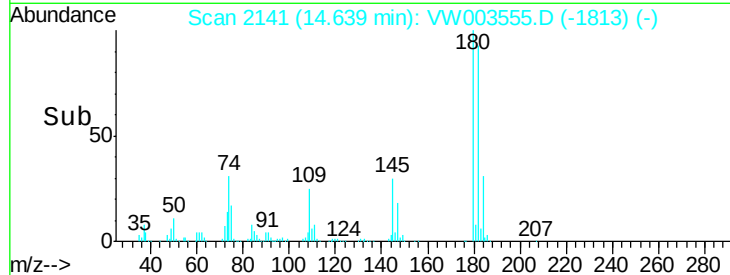
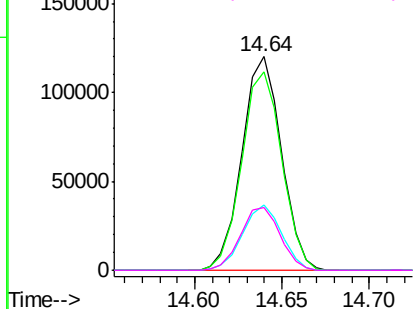


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

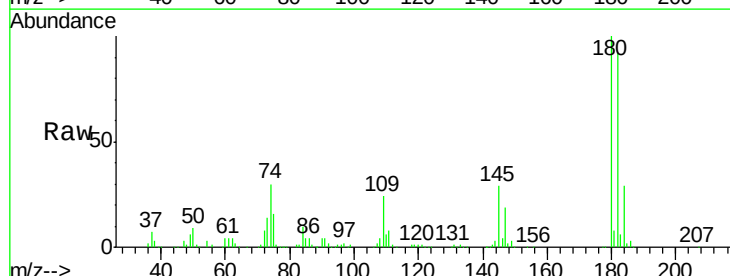
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.133 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003555.D
 Acq: 25 Jun 2018 19:44

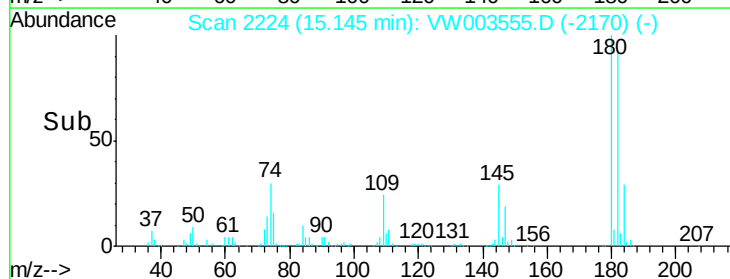
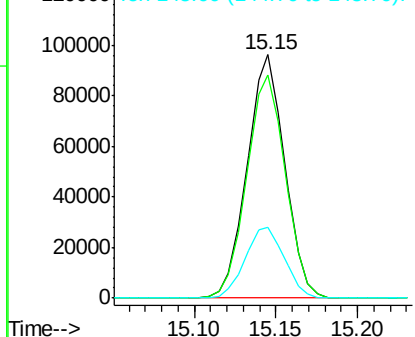
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	74.8	112.2
145	30.3	23.6	35.4

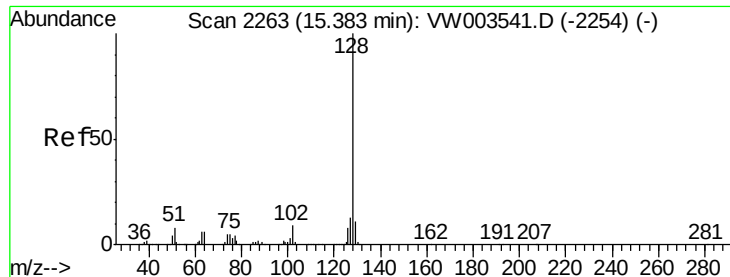


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.579 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02599

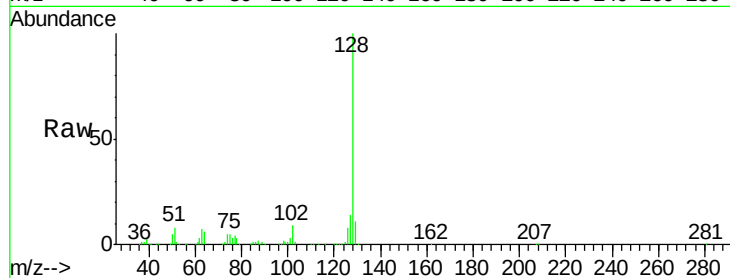
Tgt Ion:128 Resp: 306075

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

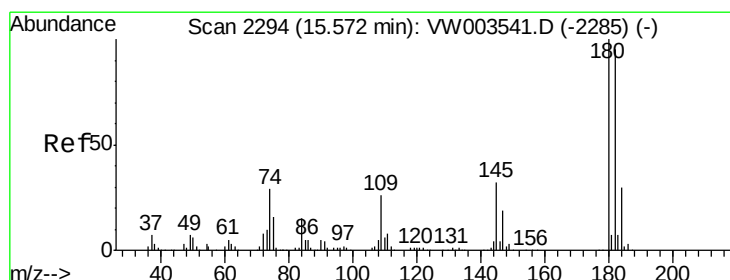
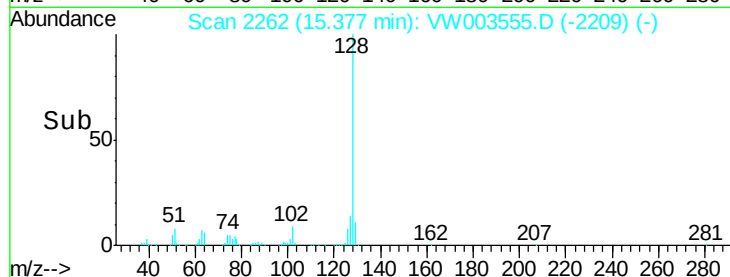
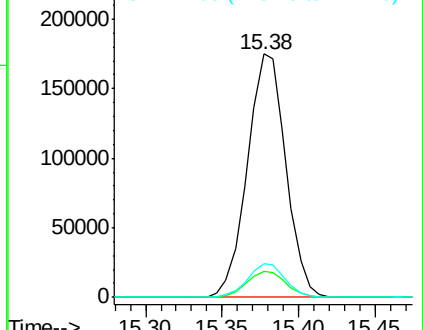
127 13.6 10.9 16.3



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: 26.997 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003555.D

Acq: 25 Jun 2018 19:44

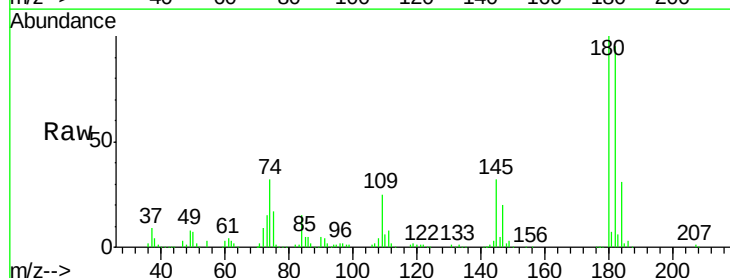
Tgt Ion:180 Resp: 146761

Ion Ratio Lower Upper

180 100

182 95.4 75.4 113.0

145 32.0 25.4 38.2



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

