

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062518\
 Data File : VW003541.D
 Acq On : 25 Jun 2018 11:17
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

Quant Time: Jun 26 03:01:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 23 02:14:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	381294	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	354788	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	185011	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	104106	20.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.52%
7) Chloroethane-d5	2.89	69	88453	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.00%
10) 1,1-Dichloroethene-d2	4.01	63	231958	22.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.36%
20) 2-Butanone-d5	7.09	46	97132	59.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.22%
24) Chloroform-d	7.65	84	246641	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	8.31	65	148582	24.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.72%
29) Benzene-d6	8.27	84	448634	23.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.32%
33) 1,2-Dichloropropane-d6	9.28	67	145894	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.92%
37) Toluene-d8	10.33	98	428652	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	10.59	79	67793	24.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.92%
39) 2-Hexanone-d5	10.93	63	75587	62.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.12%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	152764	27.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.20%
61) 1,2-Dichlorobenzene-d4	13.87	152	168608	24.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.52%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	63792	30.460 ug/L	91
3) Chloromethane	2.21	50	100800	22.405 ug/L	97
5) Vinyl chloride	2.36	62	147872	22.710 ug/L	98
6) Bromomethane	2.78	94	80380	21.217 ug/L	99
8) Chloroethane	2.93	64	84811	21.377 ug/L	94
9) Trichlorofluoromethane	3.25	101	94050	25.183 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	116854	23.174 ug/L	98
12) 1,1-Dichloroethene	4.03	96	114020	23.923 ug/L	91
13) Acetone	4.15	43	101791	58.605 ug/L	96
14) Carbon disulfide	4.37	76	349112	22.703 ug/L	99
15) Methyl Acetate	4.68	43	71864	25.243 ug/L	99
16) Methylene chloride	4.91	84	128299	24.420 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	231788	26.358 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	117650	23.690 ug/L	96
19) 1,1-Dichloroethane	6.21	63	226989	24.492 ug/L	100
21) 2-Butanone	7.18	43	110120	53.953 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	131419	24.900 ug/L	95

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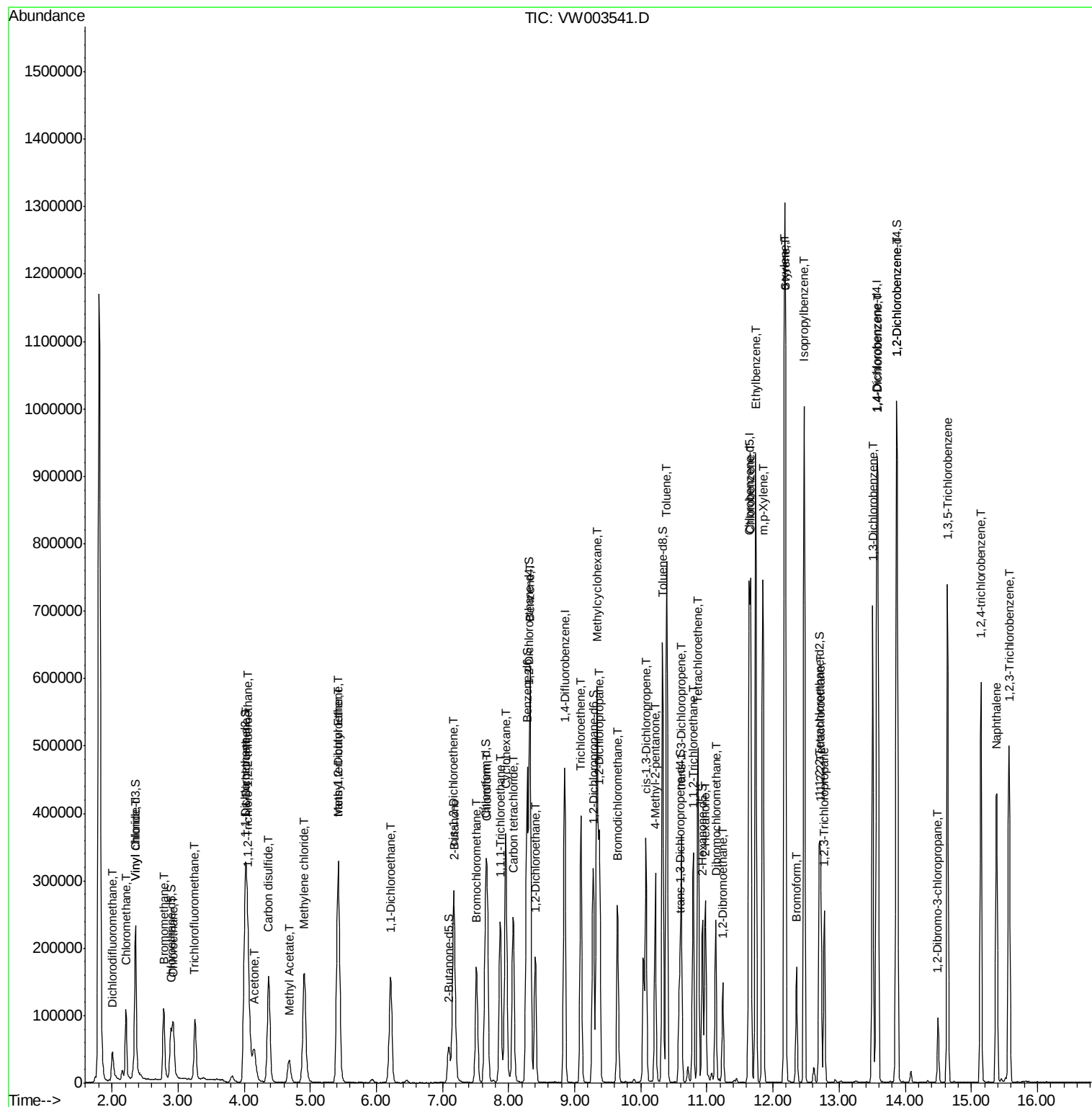
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	59249	24.267	ug/L	97
25) Chloroform	7.68	83	229697	24.107	ug/L	100
27) 1,2-Dichloroethane	8.40	62	171497	24.855	ug/L	97
30) Cyclohexane	7.96	56	205074	25.036	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	190499	24.440	ug/L	99
32) Carbon tetrachloride	8.07	117	180744	24.002	ug/L	99
34) Benzene	8.32	78	500474	24.737	ug/L	100
35) Trichloroethene	9.09	95	134725	24.707	ug/L	100
36) Methylcyclohexane	9.34	83	231371	24.854	ug/L	99
40) 1,2-Dichloropropane	9.37	63	132041	24.801	ug/L	99
41) Bromodichloromethane	9.65	83	168515	24.625	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	203228	25.577	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	207990	54.682	ug/L	100
44) Toluene	10.39	91	545214	24.848	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	185330	25.776	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	99990	25.157	ug/L	98
47) Tetrachloroethene	10.87	164	108825	23.749	ug/L	99
49) 2-Hexanone	10.98	43	170090	60.008	ug/L	98
50) Dibromochloromethane	11.13	129	121509	25.112	ug/L	95
51) 1,2-Dibromoethane	11.24	107	99394	25.165	ug/L	99
52) Chlorobenzene	11.66	112	348582	24.465	ug/L	99
53) Ethylbenzene	11.74	91	630198	25.607	ug/L	98
54) m,p-Xylene	11.85	106	235794	25.797	ug/L	98
55) o-xylene	12.17	106	223353	25.689	ug/L	99
56) Styrene	12.19	104	389934	25.977	ug/L	100
57) Isopropylbenzene	12.47	105	624570	25.891	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	136365	26.026	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	103437	25.759	ug/L	99
62) Bromoform	12.35	173	75965	24.397	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	276492	24.306	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	288134	24.159	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	266205	24.511	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23235	24.377	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	218379	24.705	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	182941	25.422	ug/L	99
69) Naphthalene	15.38	128	367699	27.309	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	171057	25.936	ug/L	99

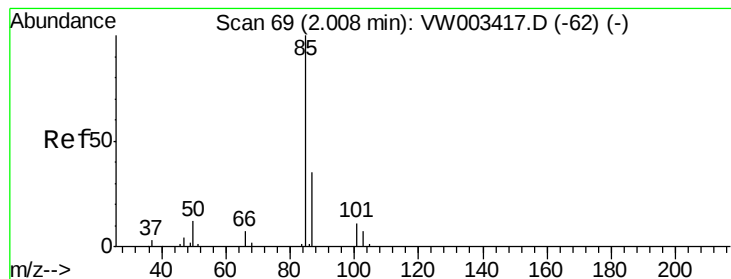
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 30.460 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

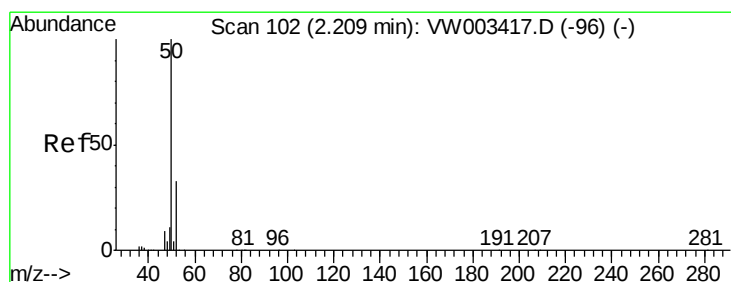
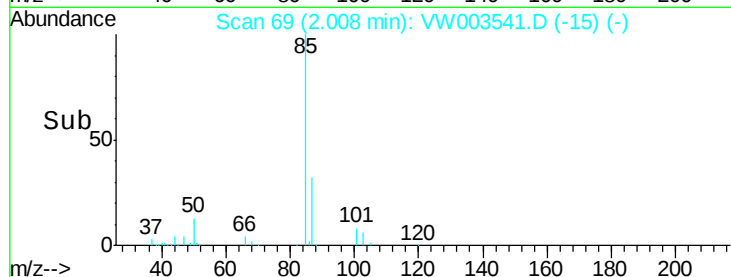
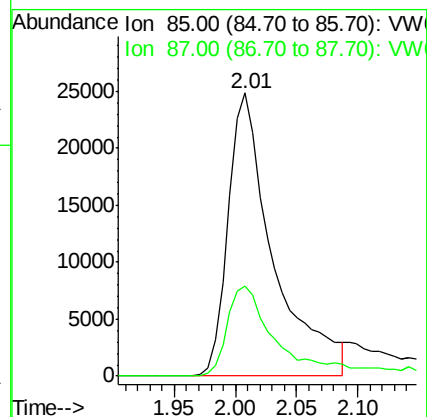
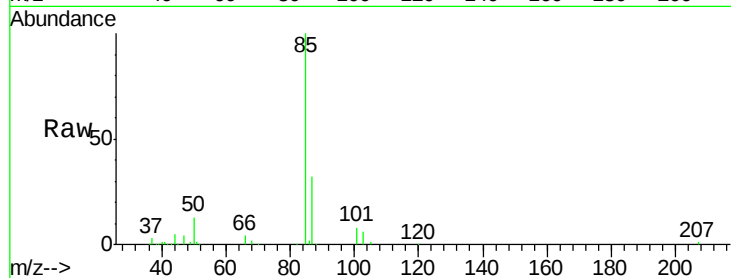
VSTD02591

Tgt Ion: 85 Resp: 63792

Ion Ratio Lower Upper

85 100

87 28.8 17.1 31.7



#3

Chloromethane

Concen: 22.405 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003541.D

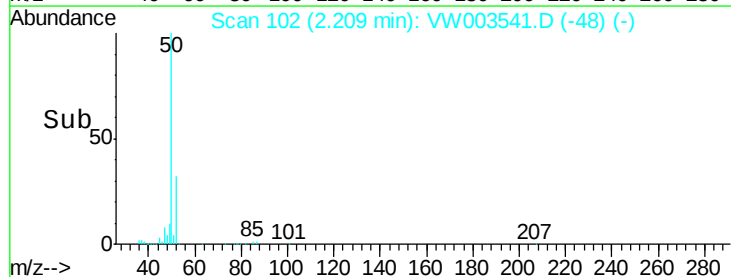
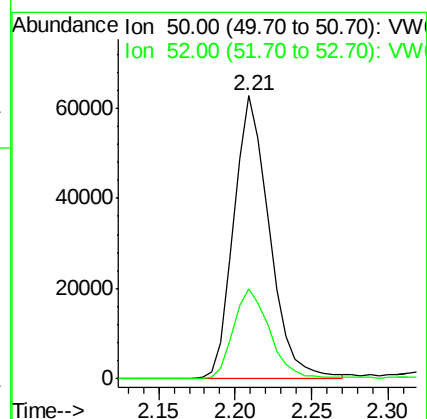
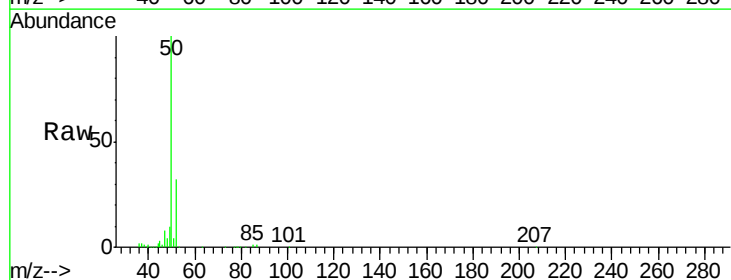
Acq: 25 Jun 2018 11:17

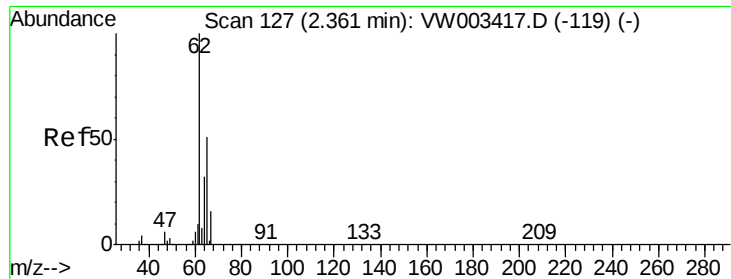
Tgt Ion: 50 Resp: 100800

Ion Ratio Lower Upper

50 100

52 31.7 23.3 43.3





#5

Vinyl chloride

Concen: 22.710 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

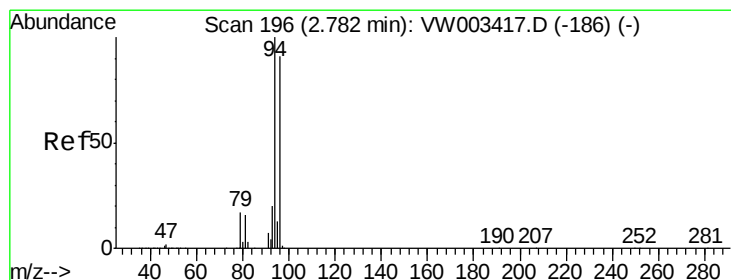
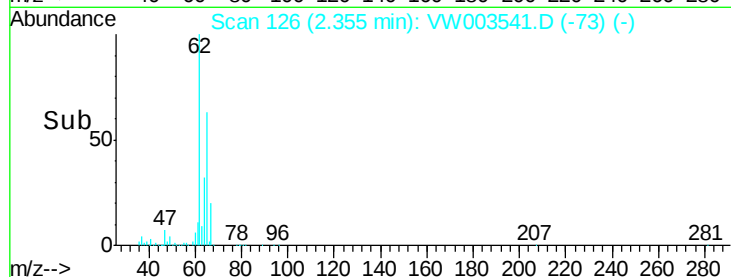
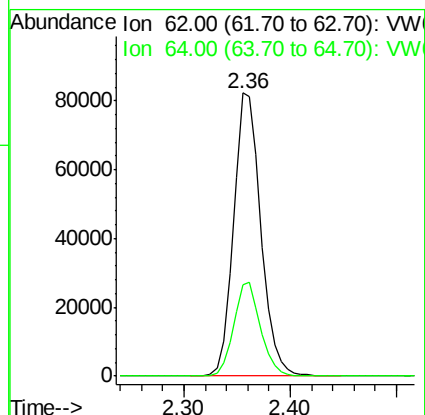
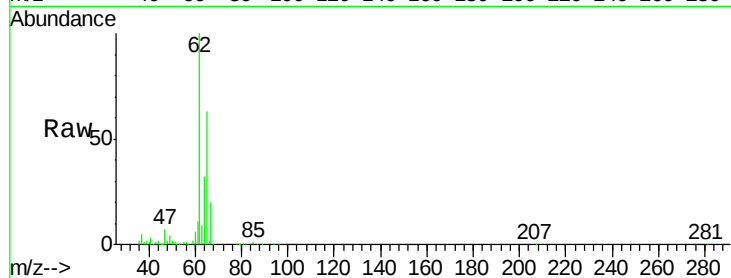
VSTD02591

Tgt Ion: 62 Resp: 147872

Ion Ratio Lower Upper

62 100

64 32.3 23.5 43.7



#6

Bromomethane

Concen: 21.217 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003541.D

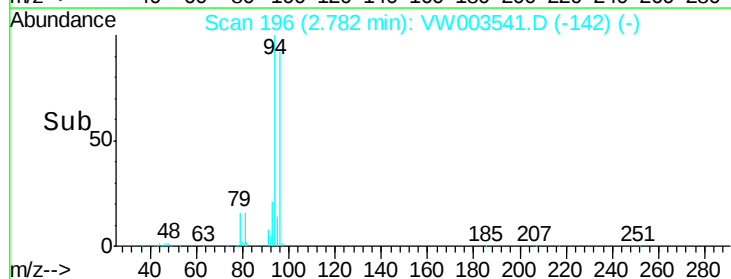
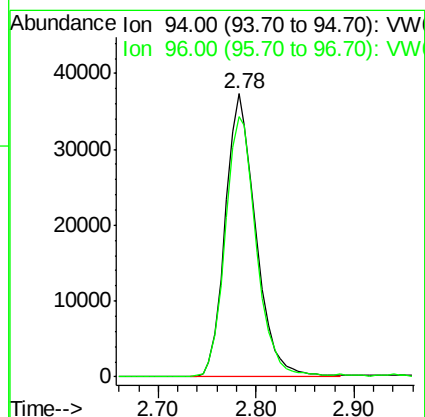
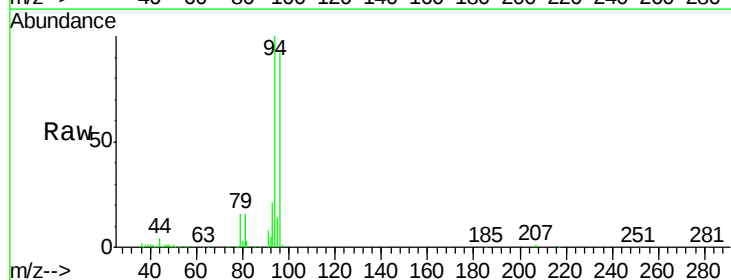
Acq: 25 Jun 2018 11:17

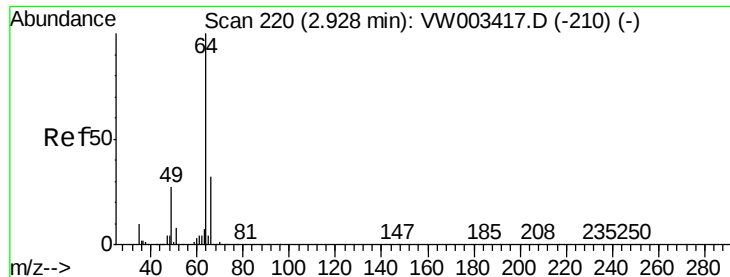
Tgt Ion: 94 Resp: 80380

Ion Ratio Lower Upper

94 100

96 94.2 9.5 180.3





#8

Chloroethane

Concen: 21.377 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

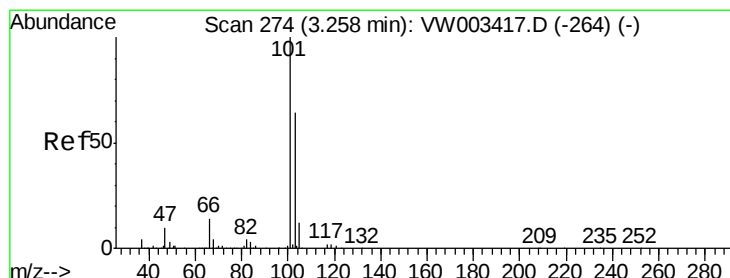
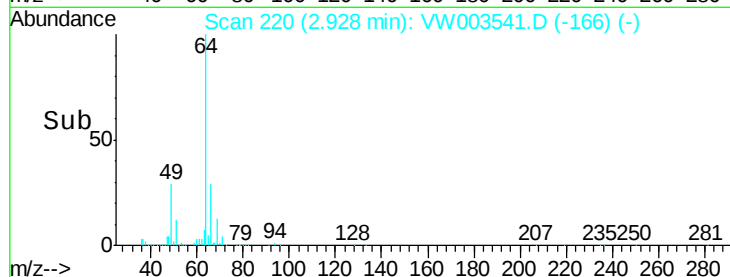
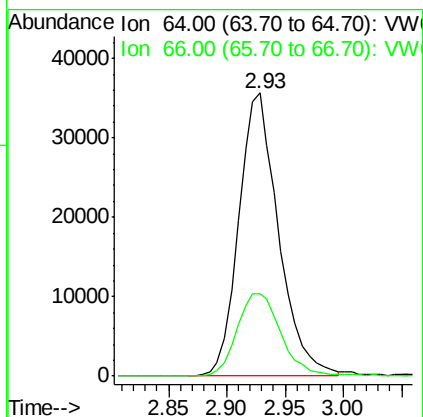
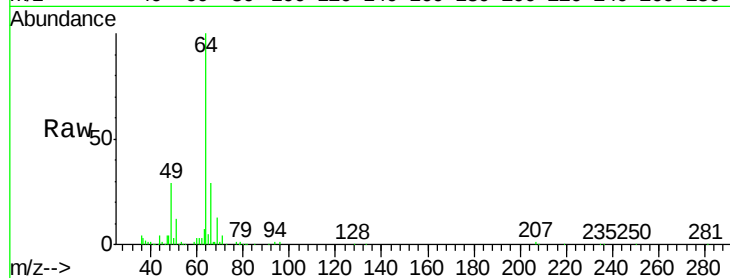
VSTD02591

Tgt Ion: 64 Resp: 84811

Ion Ratio Lower Upper

64 100

66 29.3 22.9 42.5



#9

Trichlorofluoromethane

Concen: 25.183 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.01 min

Lab File: VW003541.D

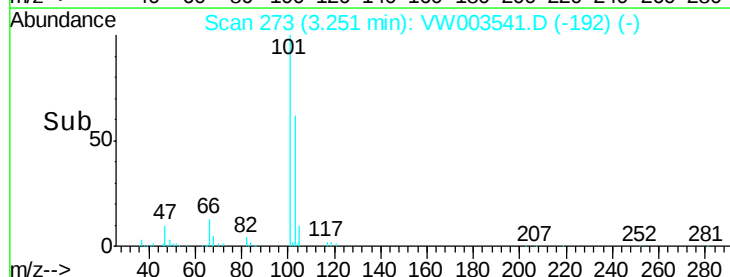
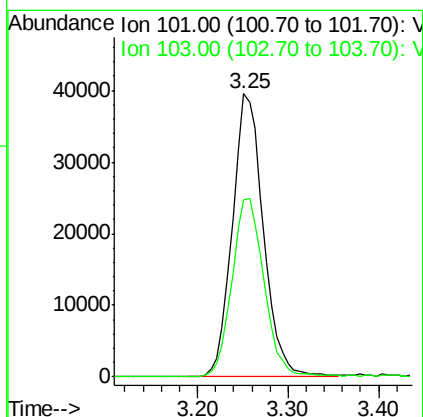
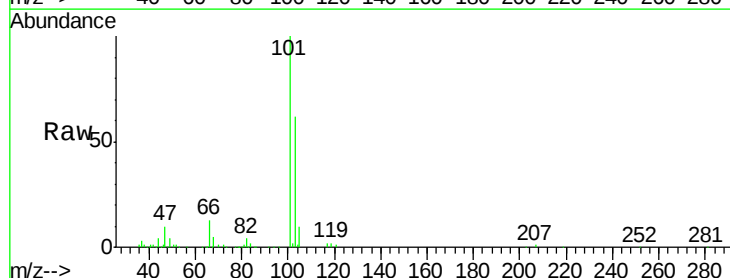
Acq: 25 Jun 2018 11:17

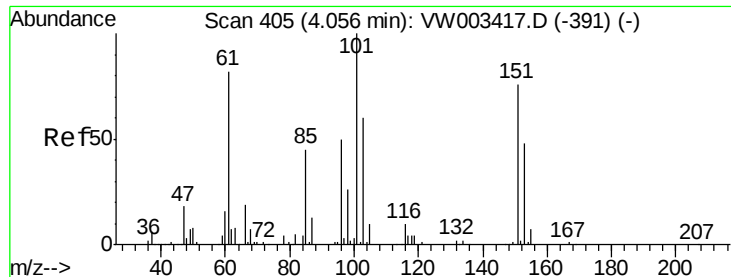
Tgt Ion: 101 Resp: 94050

Ion Ratio Lower Upper

101 100

103 64.5 45.1 83.7





#11

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

Concen: 23.174 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampled :

VSTD02591

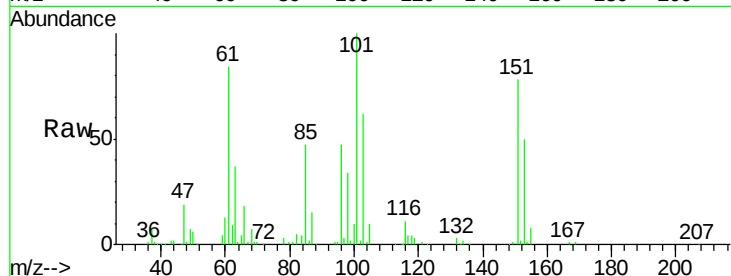
Tgt Ion:101 Resp: 116854

Ion Ratio Lower Upper

101 100

85 45.8 35.4 53.0

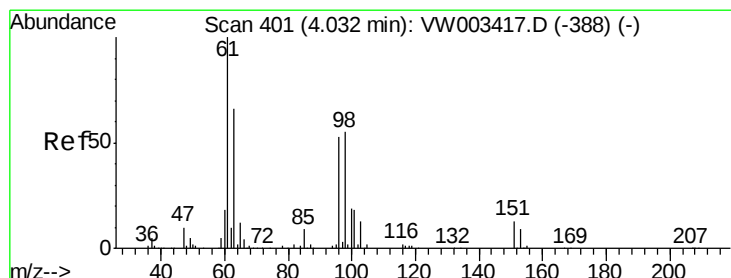
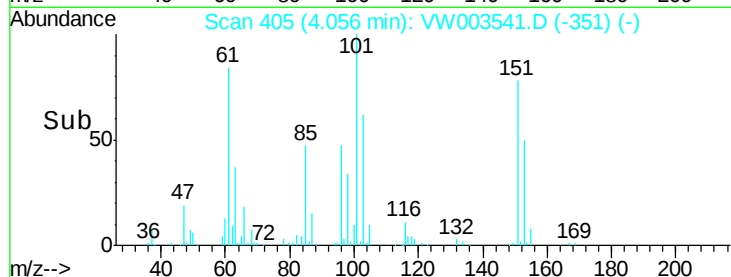
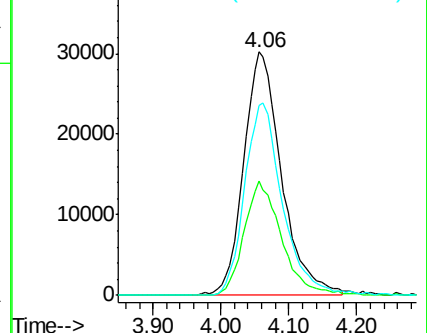
151 78.2 61.4 92.0



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: 23.923 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

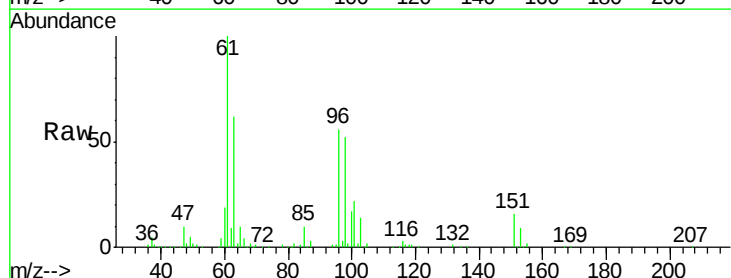
Tgt Ion: 96 Resp: 114020

Ion Ratio Lower Upper

96 100

61 178.3 124.1 230.5

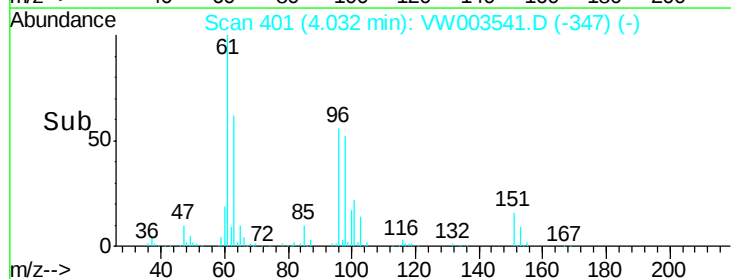
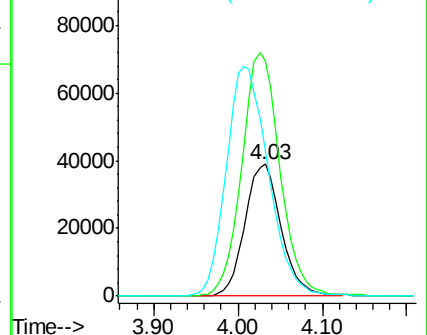
63 110.1 93.1 172.9

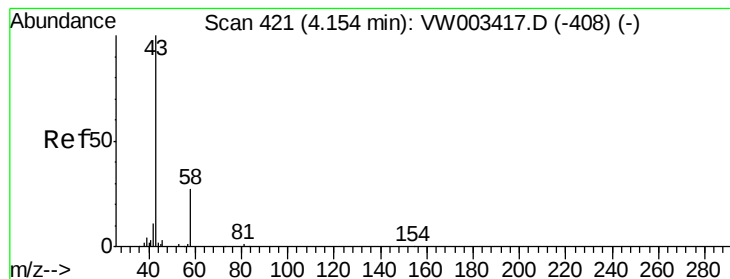


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 58.605 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VW003541.D

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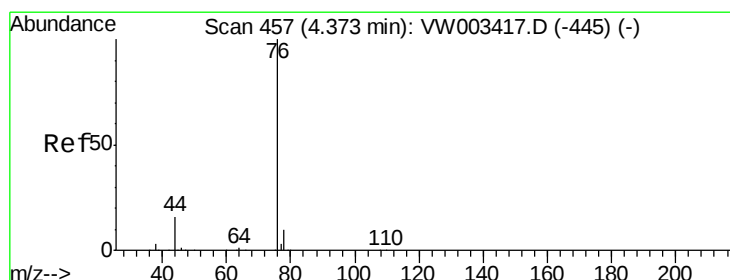
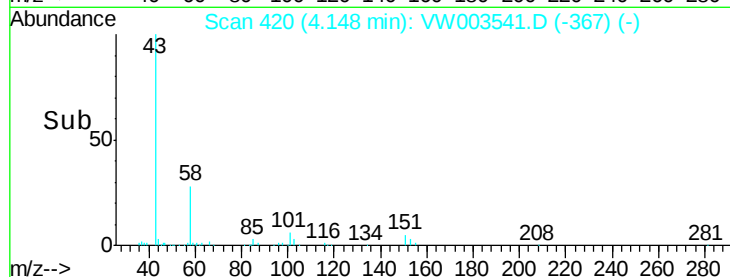
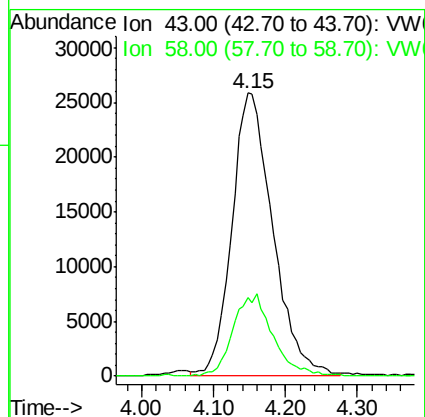
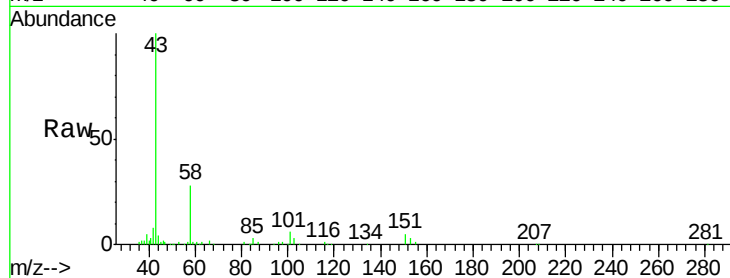
VSTD02591

Tgt Ion: 43 Resp: 101791

Ion Ratio Lower Upper

43 100

58 27.4 0.0 58.6



#14

Carbon disulfide

Concen: 22.703 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003541.D

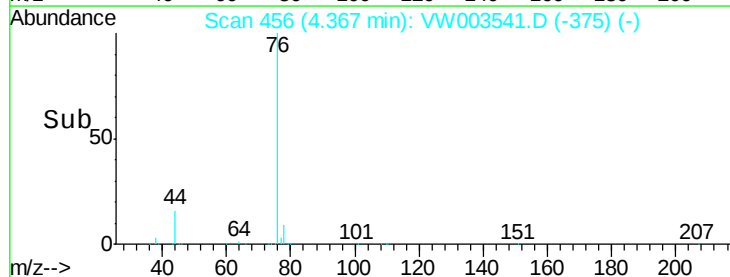
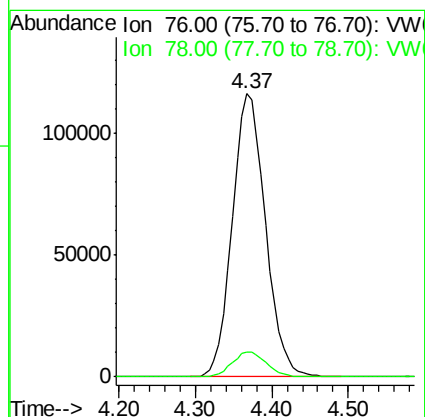
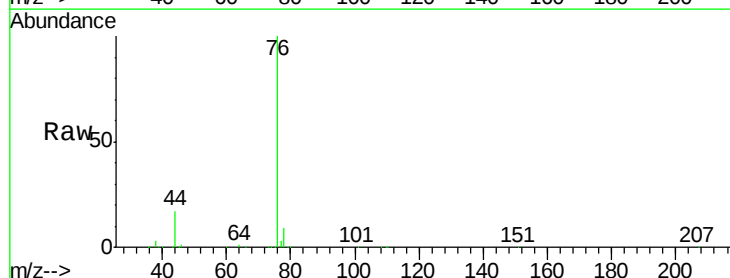
Acq: 25 Jun 2018 11:17

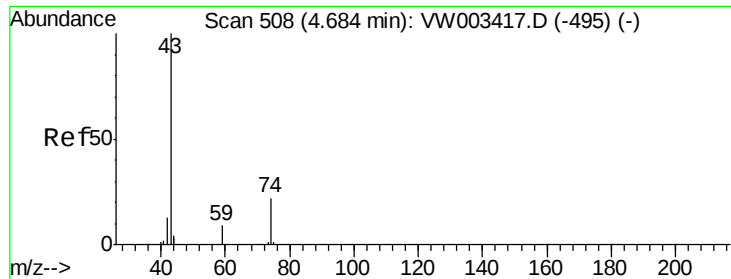
Tgt Ion: 76 Resp: 349112

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

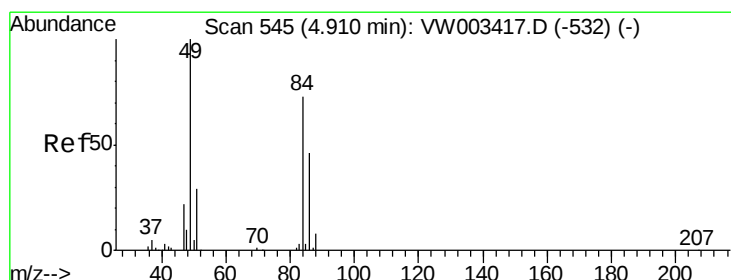
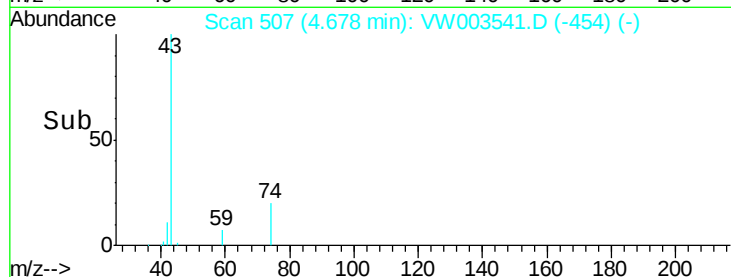
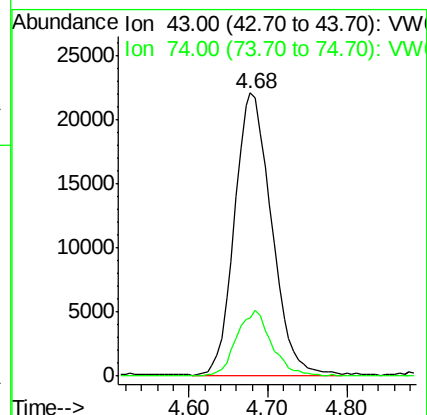
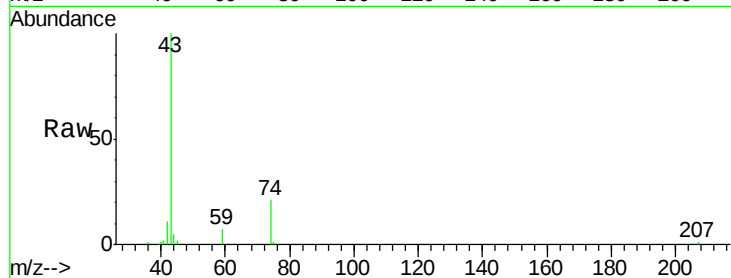




#15
Methyl Acetate
Concen: 25.243 ug/L
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

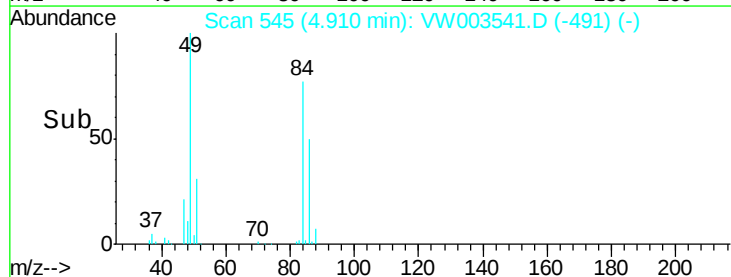
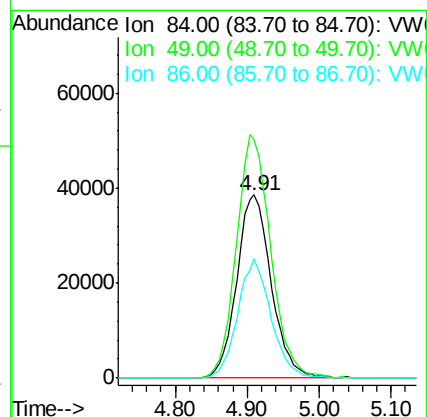
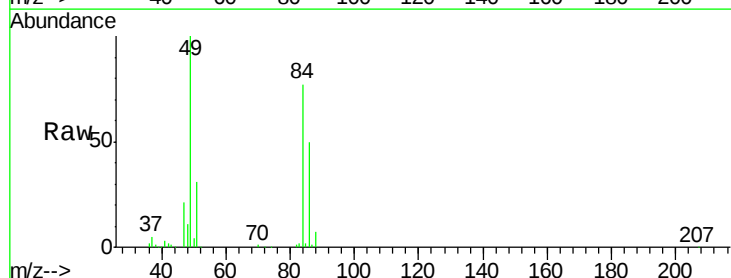
Instrument :
MSVOA_W
ClientSampled :
VSTD02591

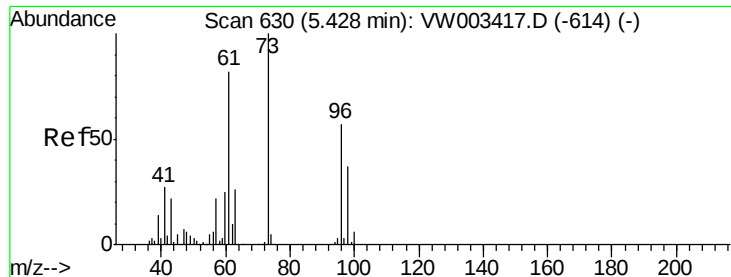
Tgt Ion: 43 Resp: 71864
Ion Ratio Lower Upper
43 100
74 22.2 17.5 26.3



#16
Methylene chloride
Concen: 24.420 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

Tgt Ion: 84 Resp: 128299
Ion Ratio Lower Upper
84 100
49 130.0 88.7 164.7
86 65.4 44.2 82.0

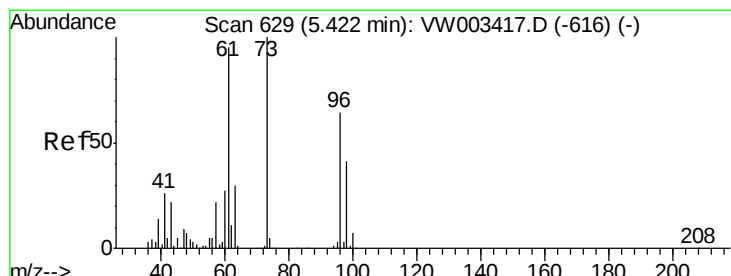
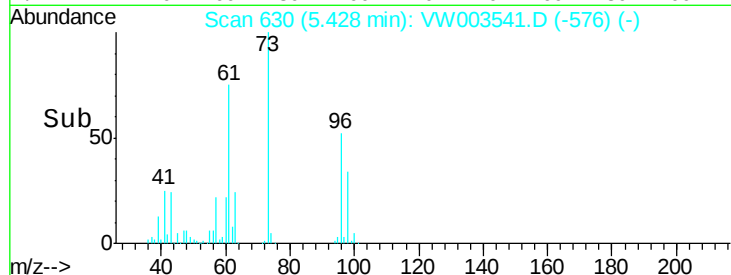
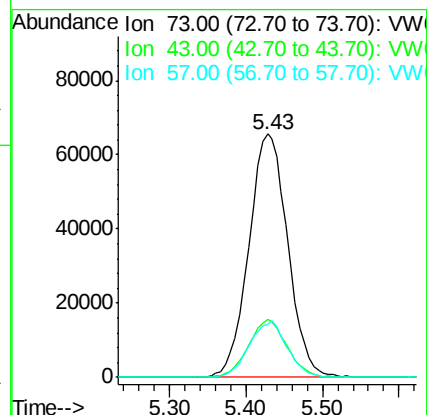
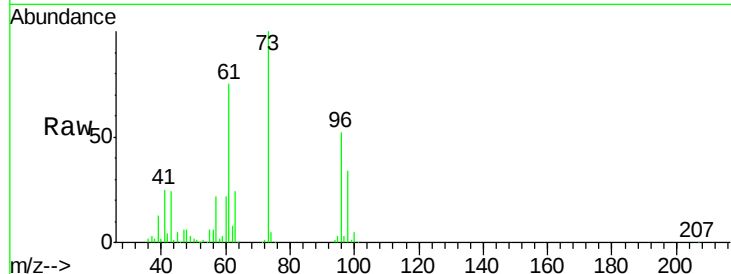




#17
Methyl tert-butyl Ether
Concen: 26.358 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

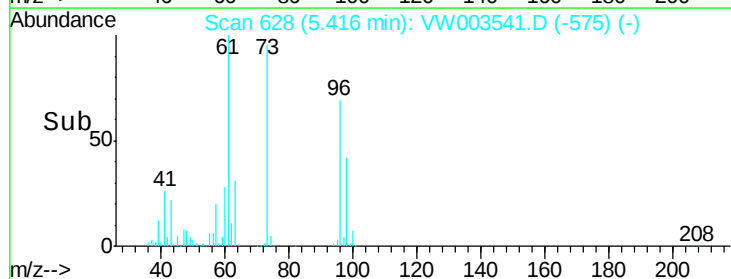
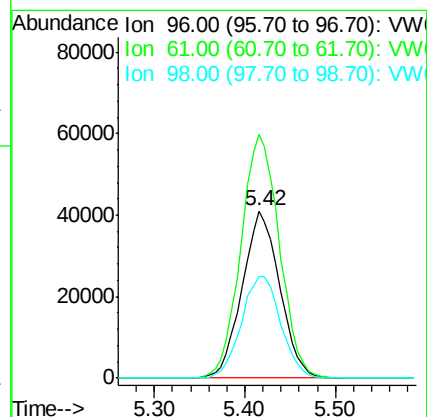
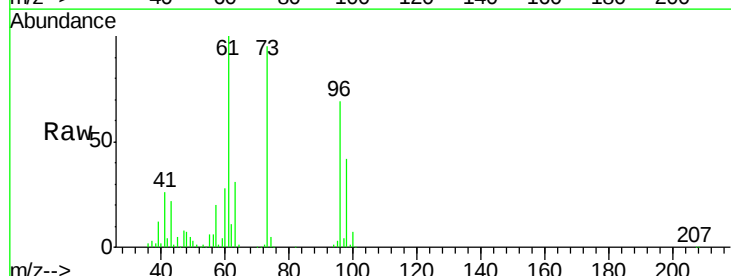
Instrument :
MSVOA_W
ClientSampled :
VSTD02591

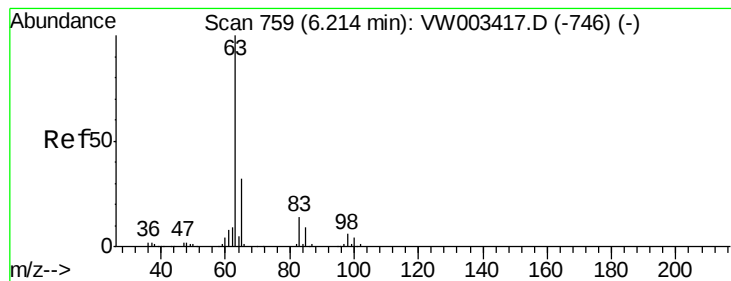
Tgt Ion: 73 Resp: 231788
Ion Ratio Lower Upper
73 100
43 23.6 18.6 27.8
57 22.7 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 23.690 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

Tgt Ion: 96 Resp: 117650
Ion Ratio Lower Upper
96 100
61 145.9 98.0 182.0
98 60.9 44.2 82.2





#19

1,1-Dichloroethane

Concen: 24.492 ug/L

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

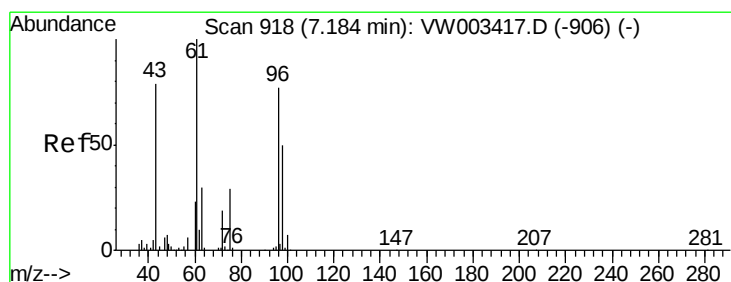
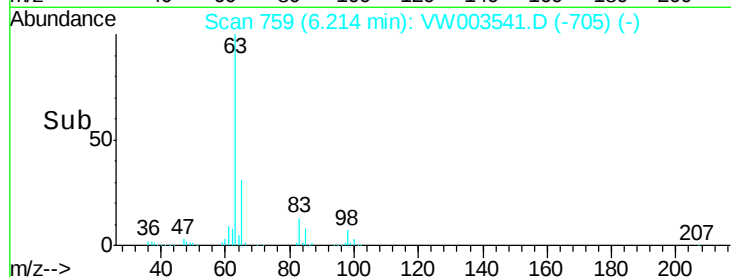
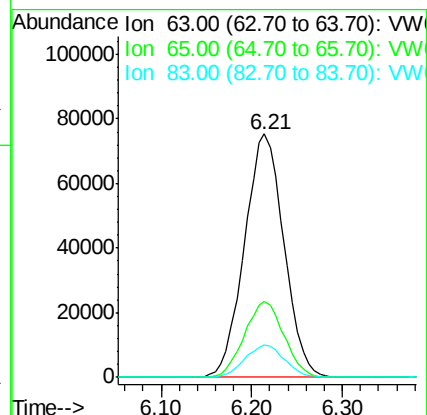
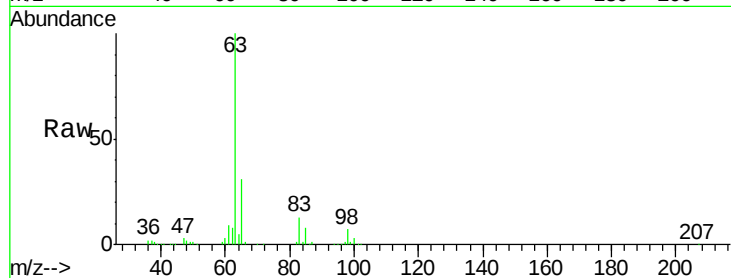
Tgt Ion: 63 Resp: 226989

Ion Ratio Lower Upper

63 100

65 31.1 21.8 40.4

83 13.3 9.0 16.6



#21

2-Butanone

Concen: 53.953 ug/L

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003541.D

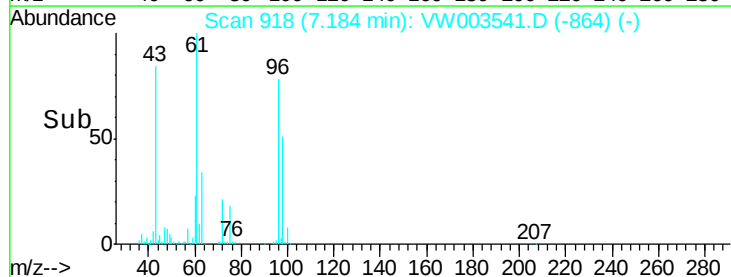
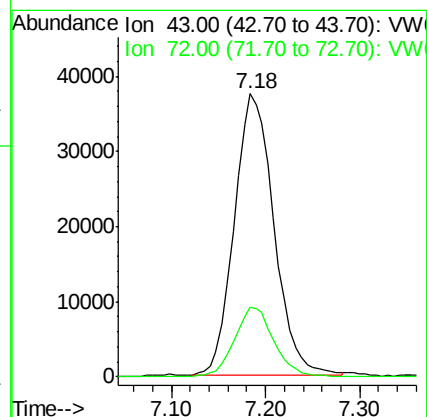
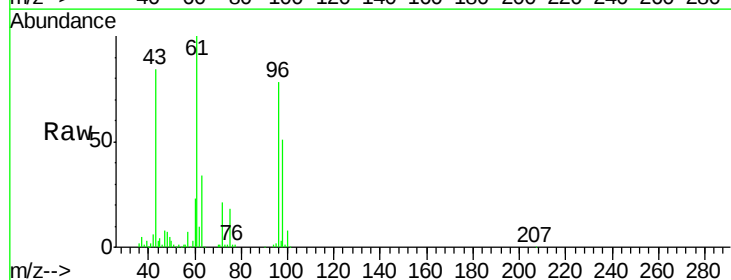
Acq: 25 Jun 2018 11:17

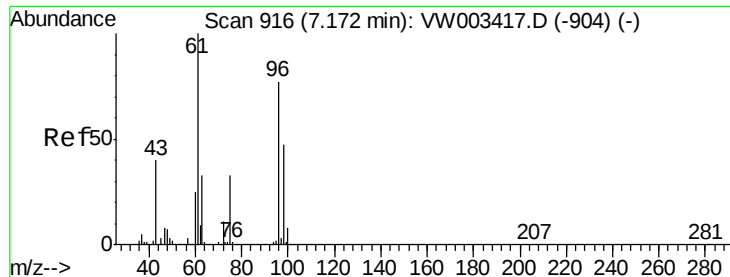
Tgt Ion: 43 Resp: 110120

Ion Ratio Lower Upper

43 100

72 24.6 12.5 37.5



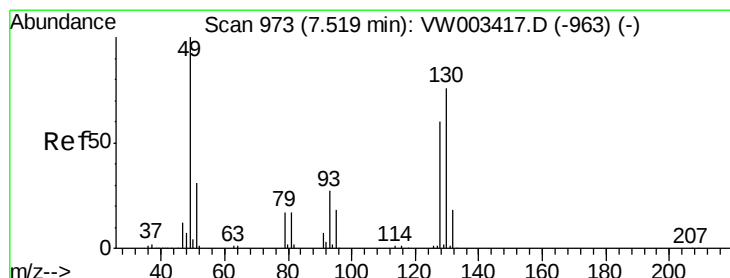
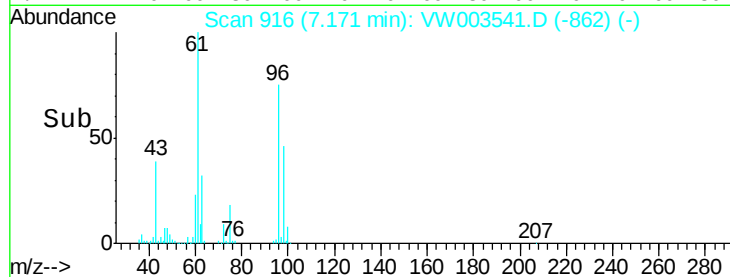
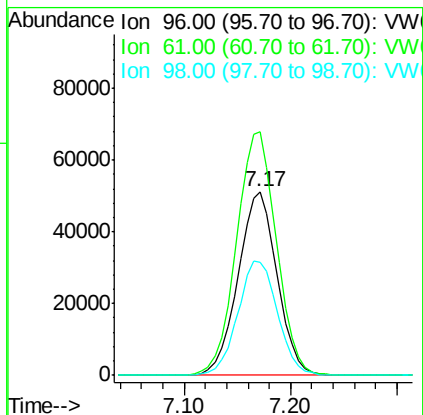
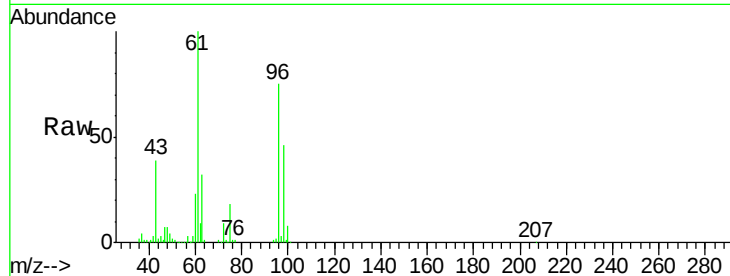


#22

cis-1,2-Dichloroethene
Concen: 24.900 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

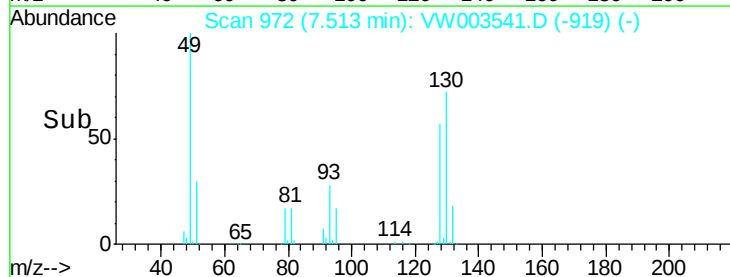
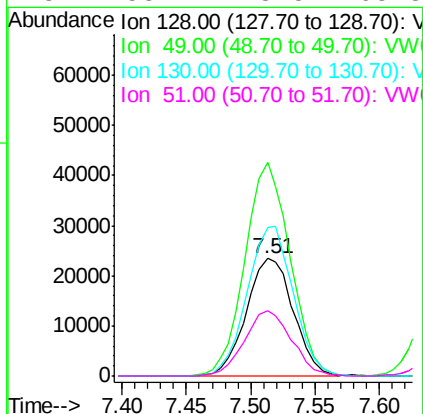
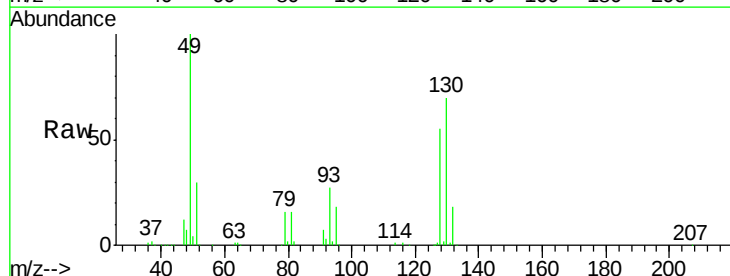
Tgt Ion: 96 Resp: 131419
Ion Ratio Lower Upper
96 100
61 132.6 97.7 181.5
98 61.5 45.0 83.6

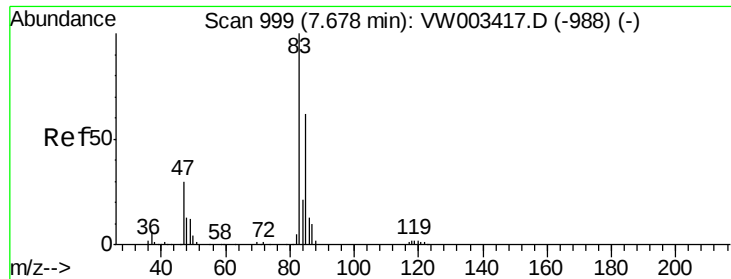


#23

Bromochloromethane
Concen: 24.267 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

Tgt Ion: 128 Resp: 59249
Ion Ratio Lower Upper
128 100
49 181.8 122.0 226.6
130 126.5 88.1 163.5
51 55.1 43.5 65.3





#25

Chloroform

Concen: 24.107 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

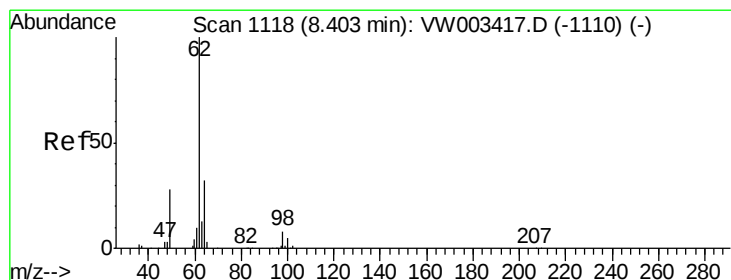
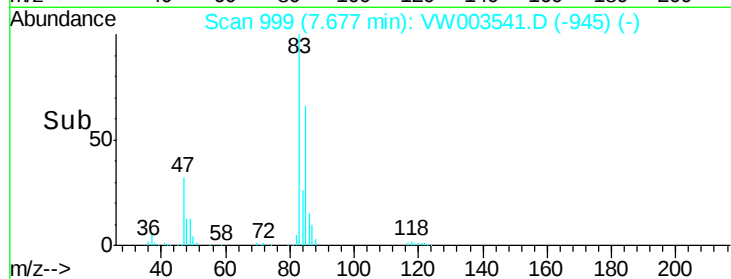
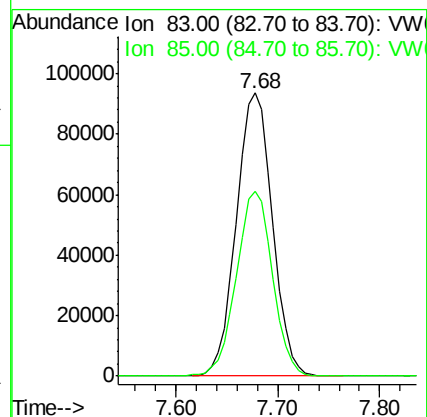
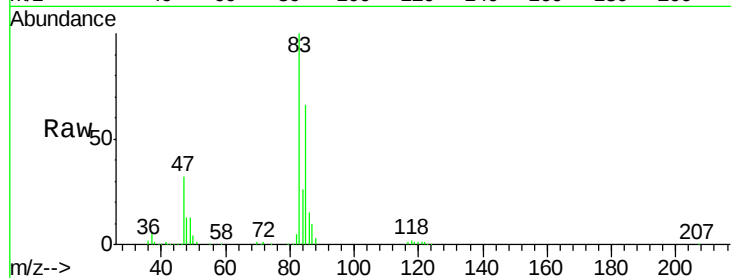
VSTD02591

Tgt Ion: 83 Resp: 229697

Ion Ratio Lower Upper

83 100

85 65.5 46.1 85.5



#27

1,2-Dichloroethane

Concen: 24.855 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW003541.D

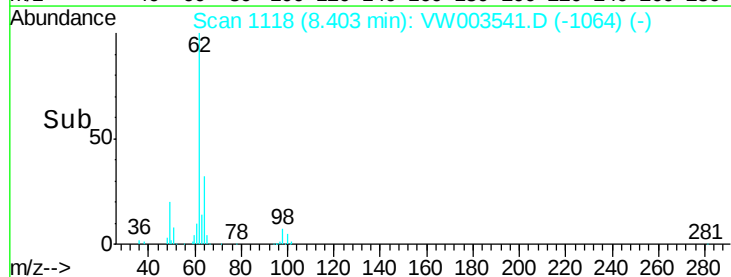
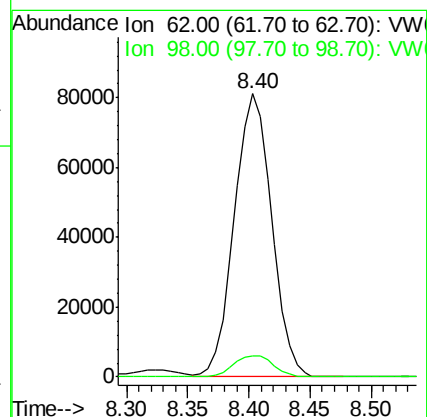
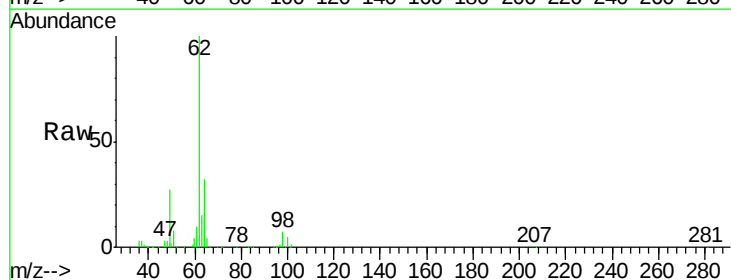
Acq: 25 Jun 2018 11:17

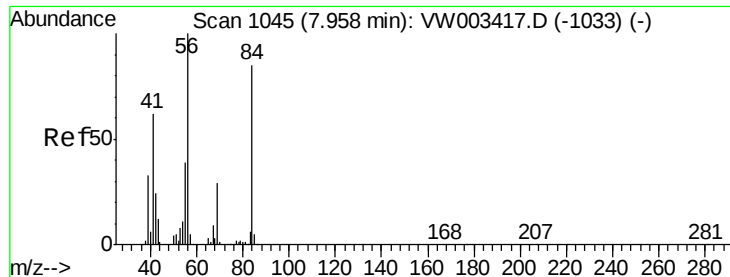
Tgt Ion: 62 Resp: 171497

Ion Ratio Lower Upper

62 100

98 7.2 6.5 9.7

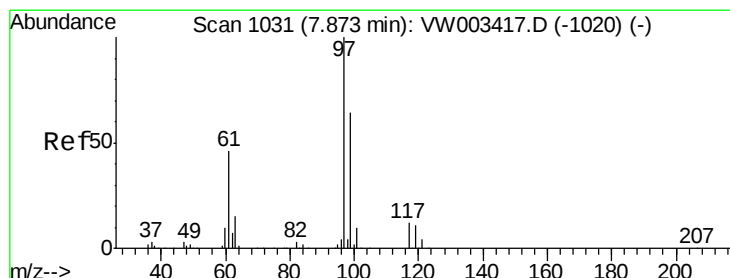
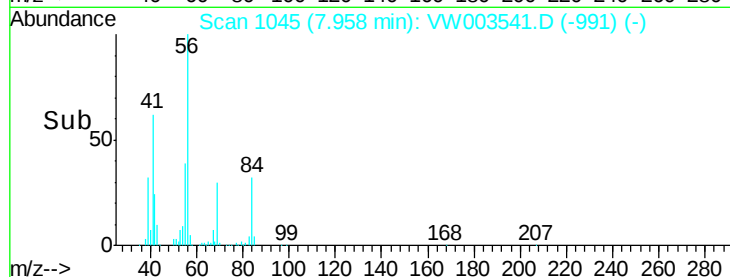
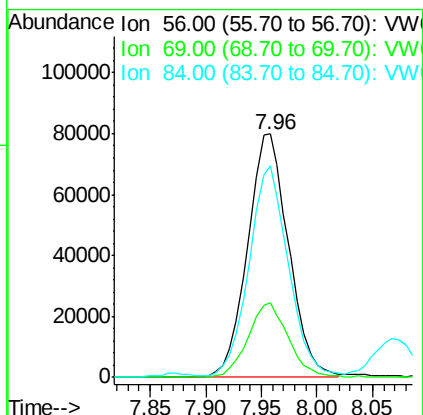
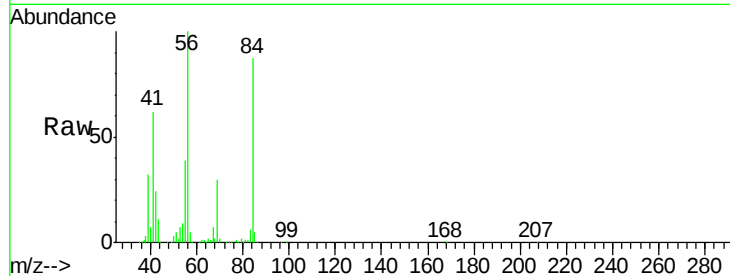




#30
Cyclohexane
Concen: 25.036 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

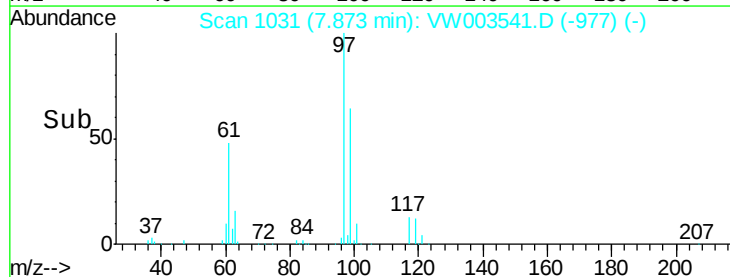
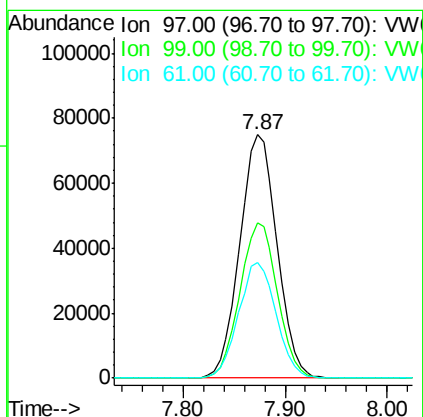
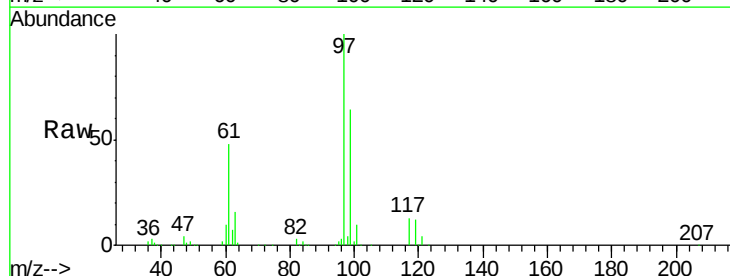
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

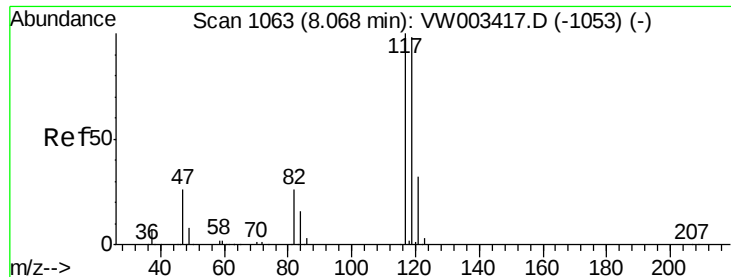
Tgt Ion: 56 Resp: 205074
Ion Ratio Lower Upper
56 100
69 29.9 23.4 35.2
84 84.0 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 24.440 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

Tgt Ion: 97 Resp: 190499
Ion Ratio Lower Upper
97 100
99 64.0 50.9 76.3
61 47.7 37.7 56.5





#32

Carbon tetrachloride

Concen: 24.002 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

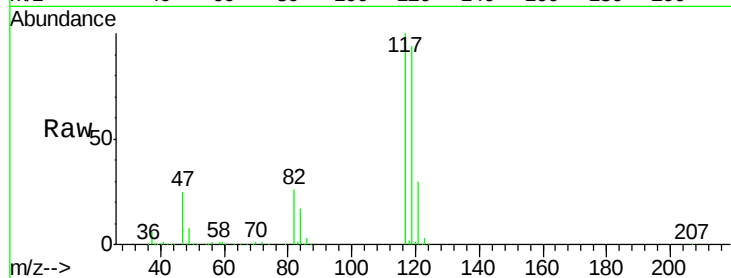
VSTD02591

Tgt Ion:117 Resp: 180744

Ion Ratio Lower Upper

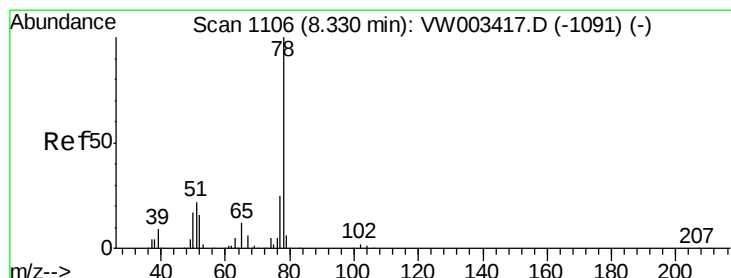
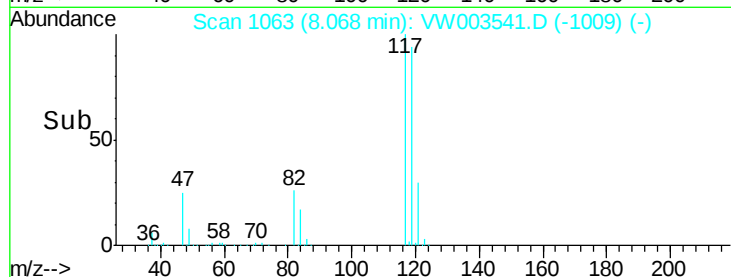
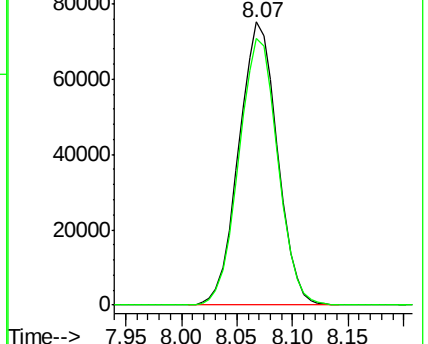
117 100

119 95.1 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.737 ug/L

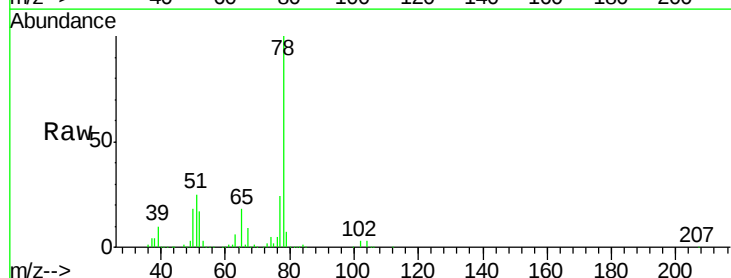
RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

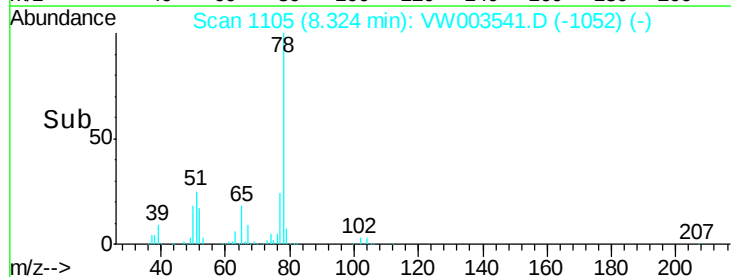
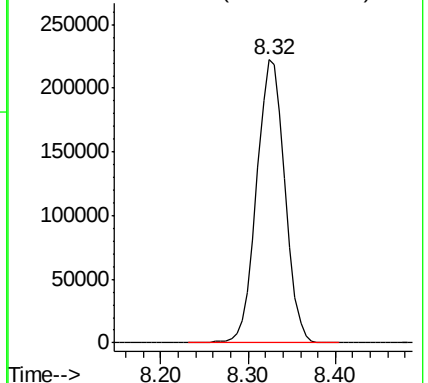
Lab File: VW003541.D

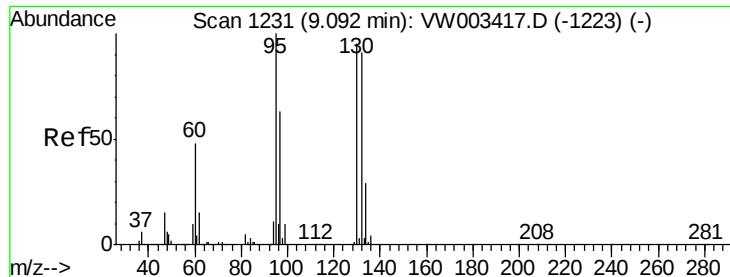
Acq: 25 Jun 2018 11:17

Tgt Ion: 78 Resp: 500474



Abundance Ion 78.00 (77.70 to 78.70): VW

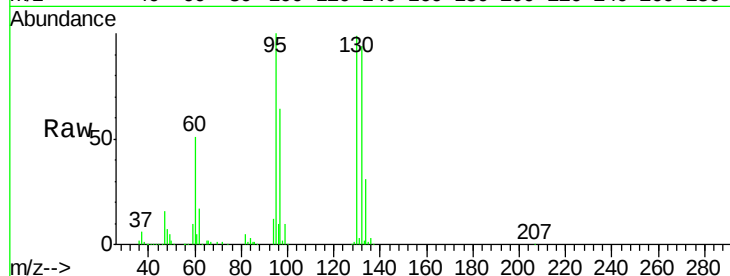




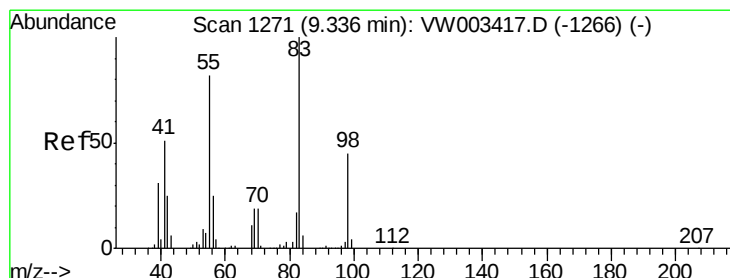
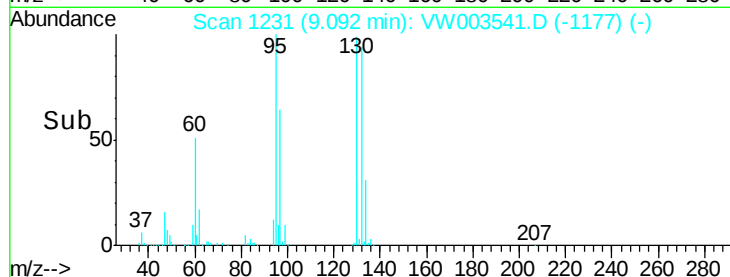
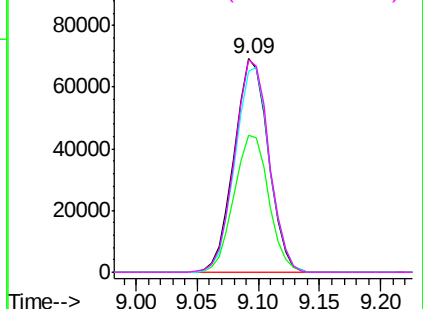
#35
 Trichloroethene
 Concen: 24.707 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW003541.D
 Acq: 25 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02591

Tgt Ion:	95	Resp:	134725
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.6	84.6
132	96.5	67.8	125.8
130	100.5	70.6	131.0

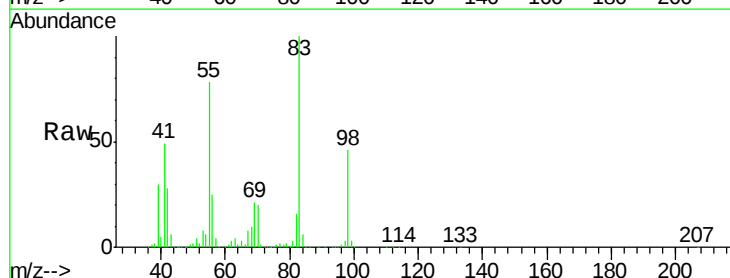


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

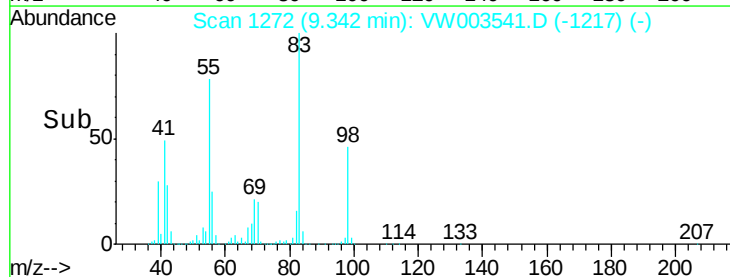
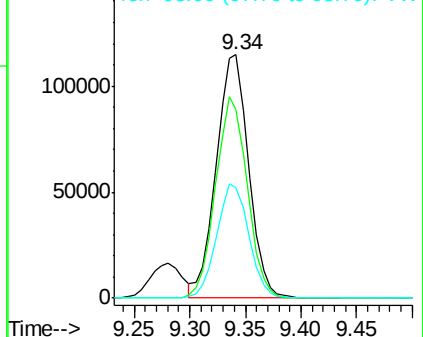


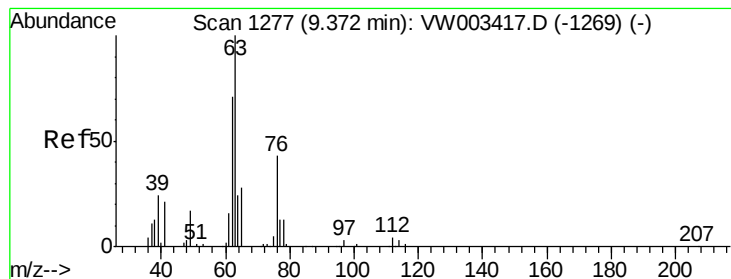
#36
 Methylcyclohexane
 Concen: 24.854 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VW003541.D
 Acq: 25 Jun 2018 11:17

Tgt Ion:	83	Resp:	231371
Ion	Ratio	Lower	Upper
83	100		
55	81.1	63.9	95.9
98	46.5	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: 24.801 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

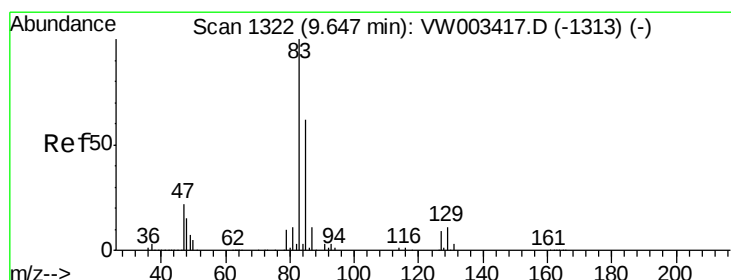
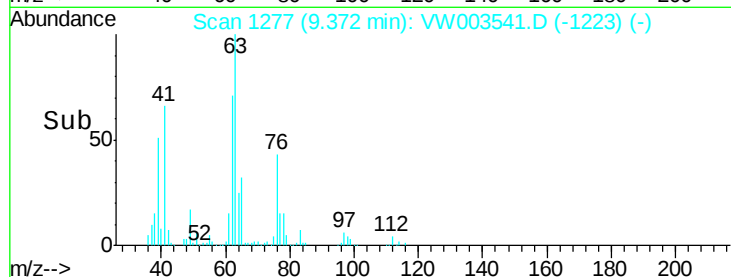
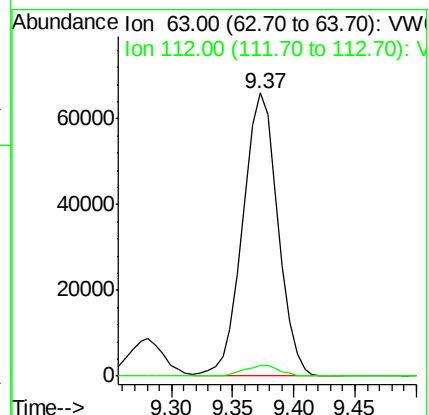
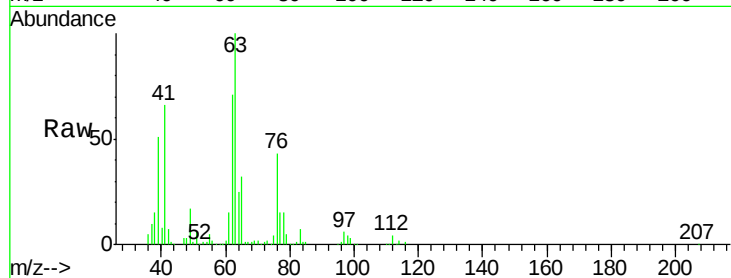
VSTD02591

Tgt Ion: 63 Resp: 132041

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.0



#41

Bromodichloromethane

Concen: 24.625 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

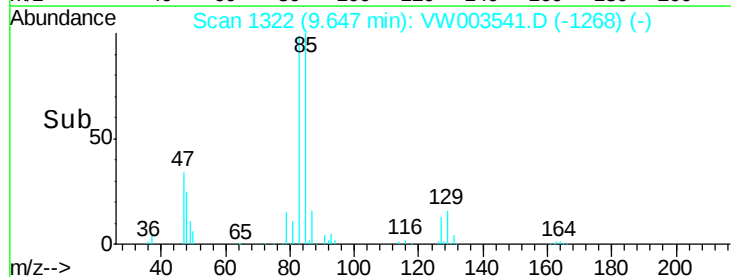
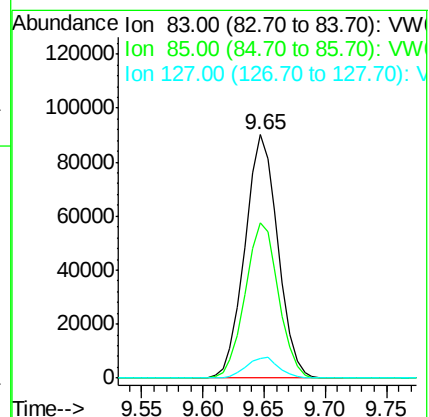
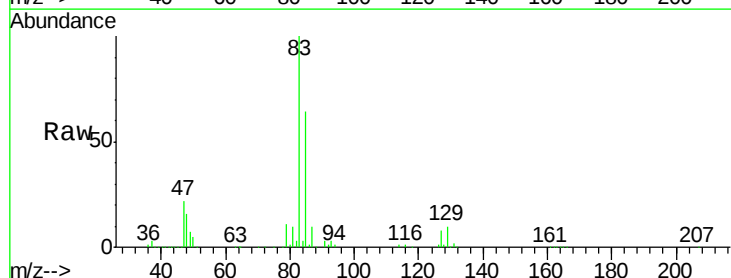
Tgt Ion: 83 Resp: 168515

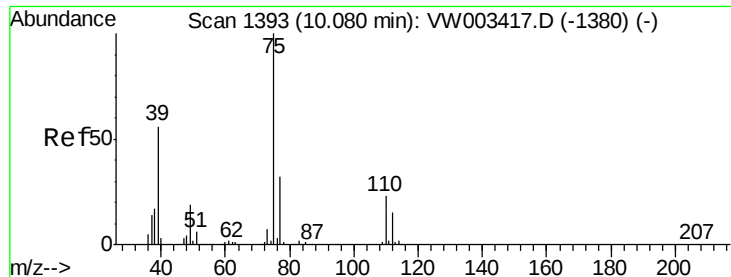
Ion Ratio Lower Upper

83 100

85 64.0 44.7 83.1

127 8.2 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 25.577 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampled :

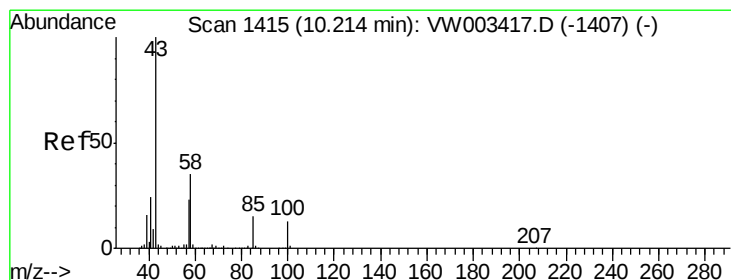
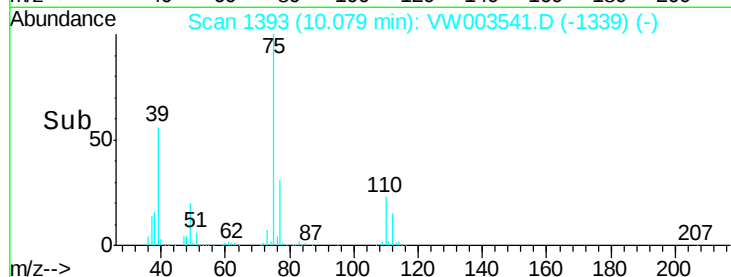
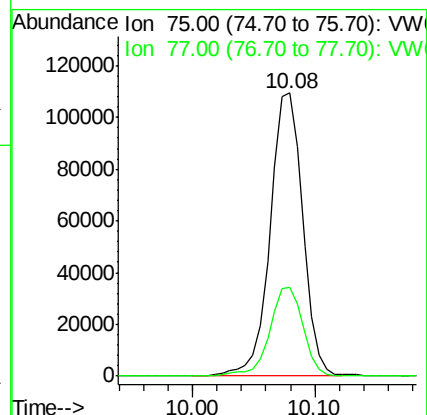
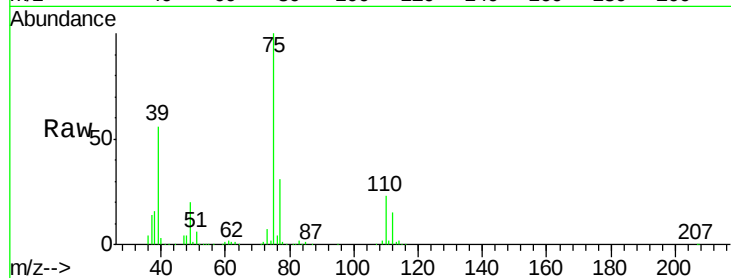
VSTD02591

Tgt Ion: 75 Resp: 203228

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6



#43

4-Methyl-2-pentanone

Concen: 54.682 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

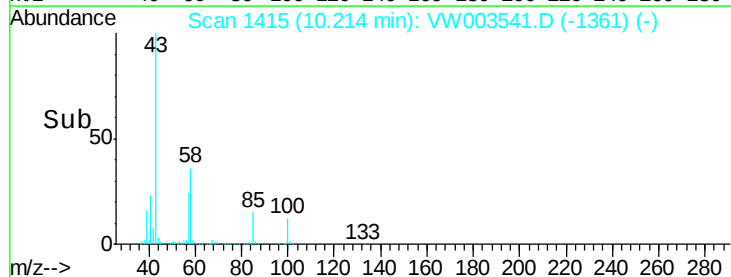
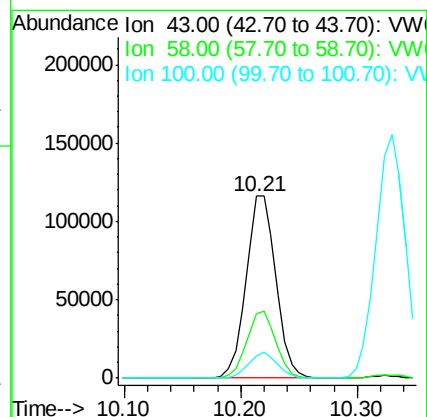
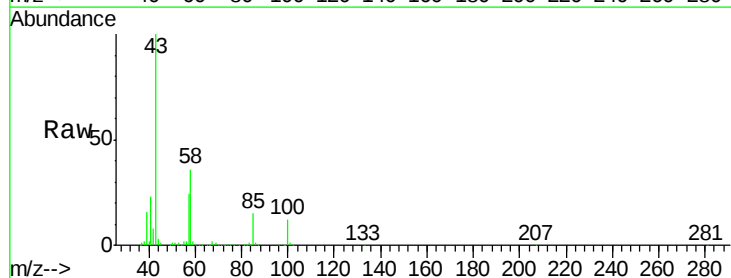
Tgt Ion: 43 Resp: 207990

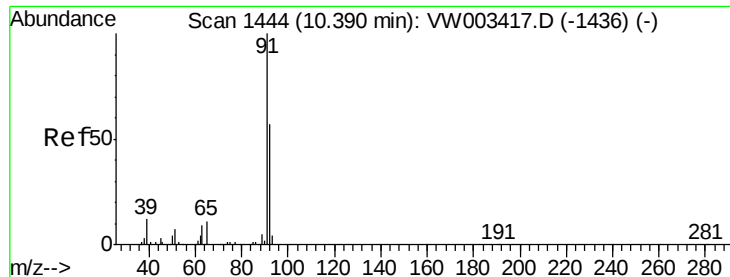
Ion Ratio Lower Upper

43 100

58 36.1 28.7 43.1

100 13.5 11.1 16.7





#44

Toluene

Concen: 24.848 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

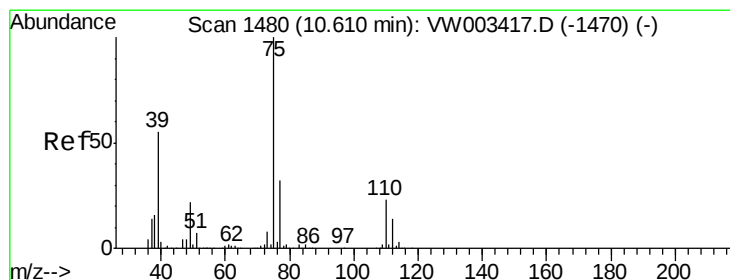
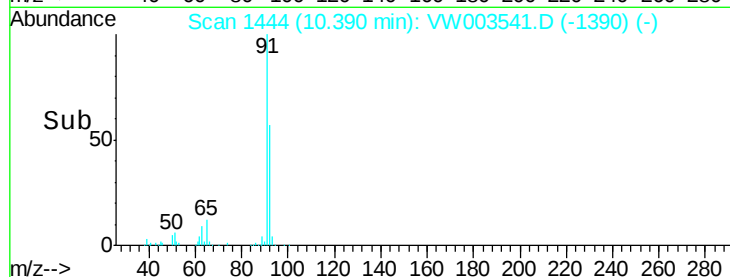
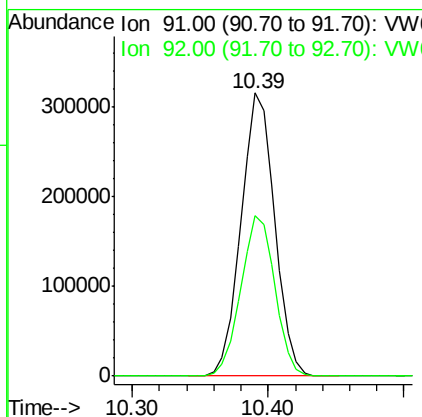
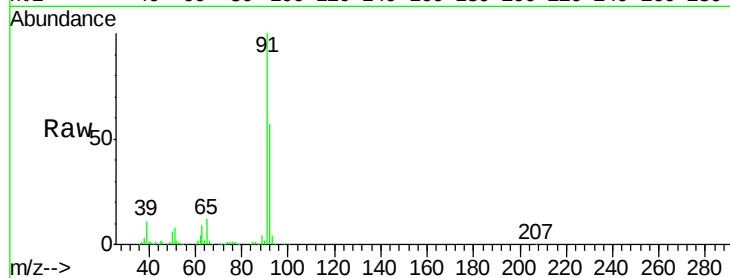
VSTD02591

Tgt Ion: 91 Resp: 545214

Ion Ratio Lower Upper

91 100

92 56.6 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.776 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003541.D

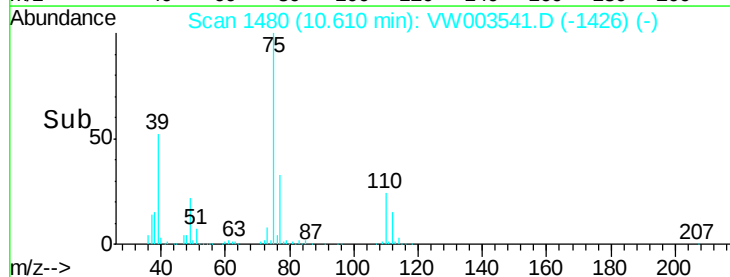
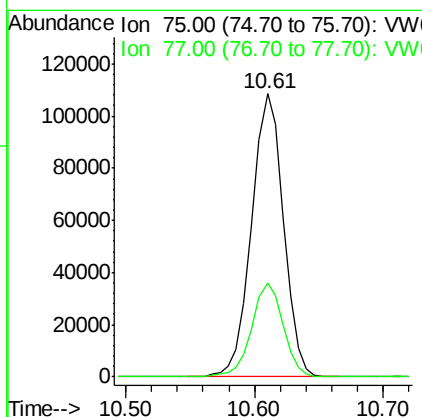
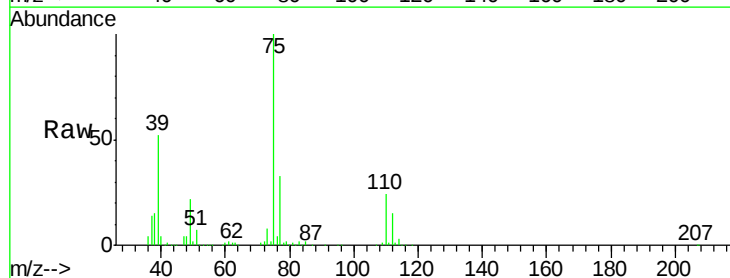
Acq: 25 Jun 2018 11:17

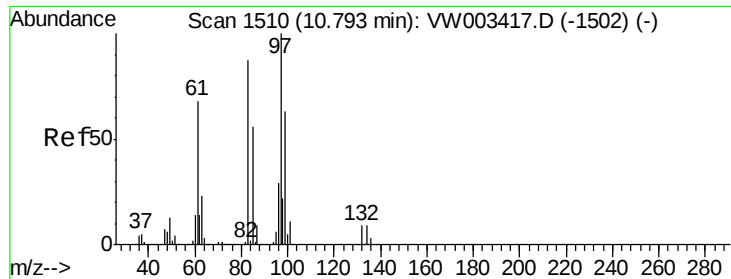
Tgt Ion: 75 Resp: 185330

Ion Ratio Lower Upper

75 100

77 33.1 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 25.157 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

Tgt Ion: 97 Resp: 99990

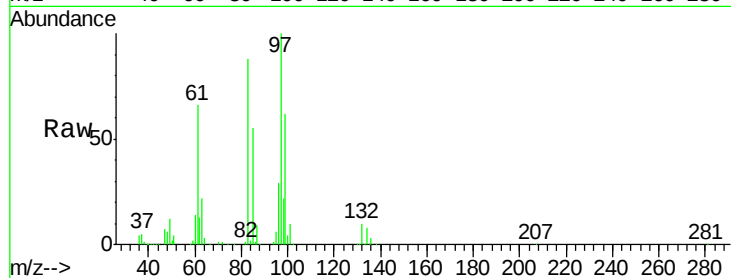
Ion Ratio Lower Upper

97 100

83 88.2 58.8 109.2

85 55.0 38.8 72.0

99 61.8 43.8 81.3

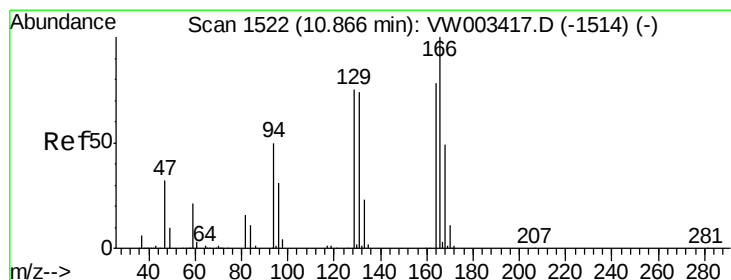
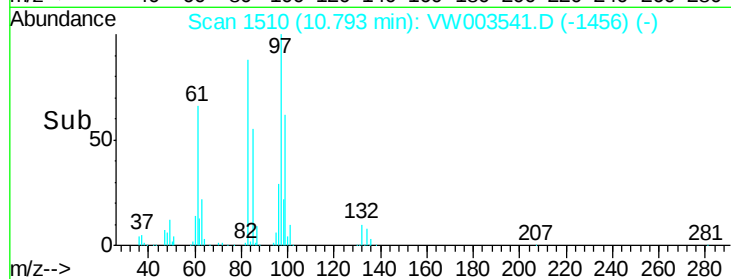
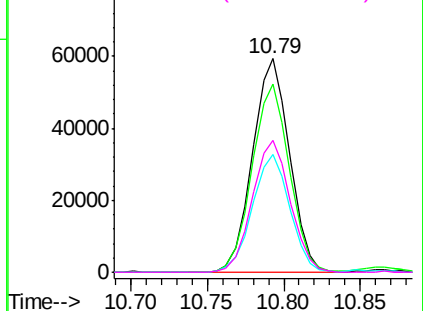


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 23.749 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Tgt Ion: 164 Resp: 108825

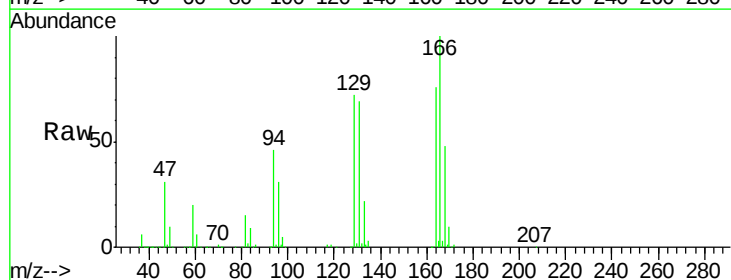
Ion Ratio Lower Upper

164 100

129 94.6 67.3 124.9

131 91.1 63.8 118.4

166 131.4 90.2 167.4

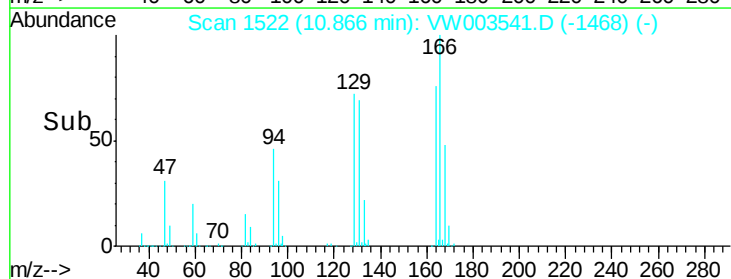
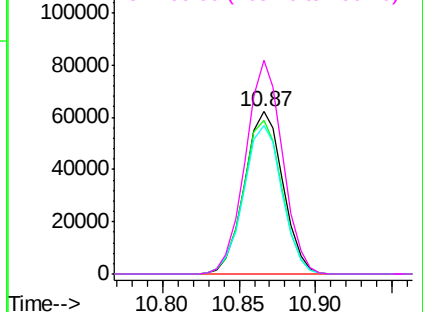


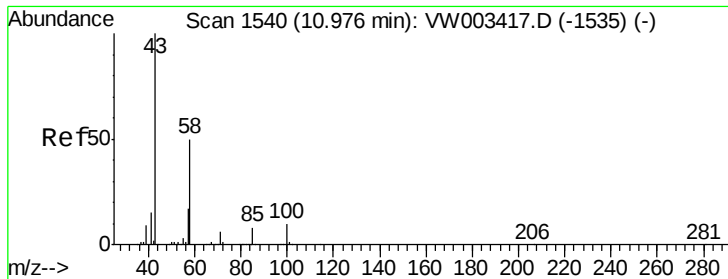
Abundance Ion 164.00 (163.70 to 164.70): V

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

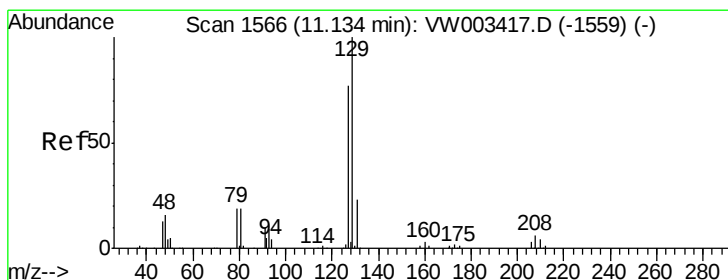
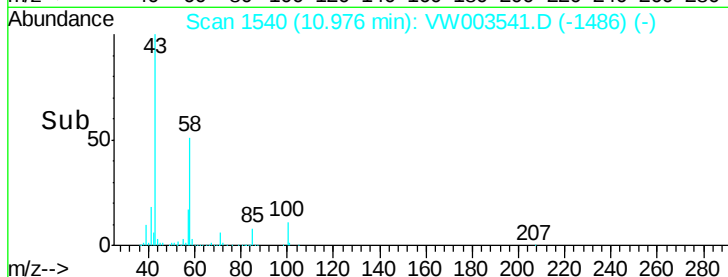
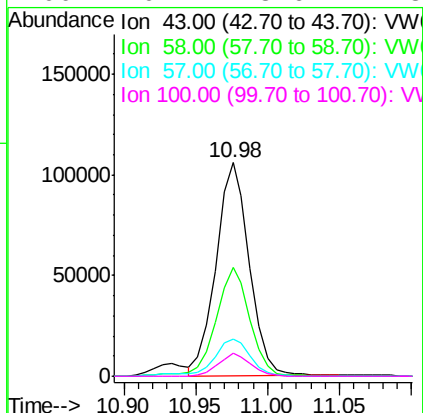
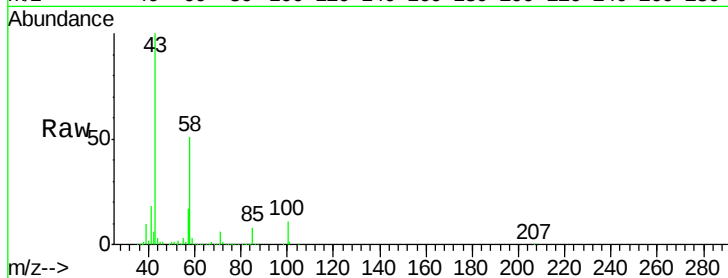




#49
2-Hexanone
Concen: 60.008 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

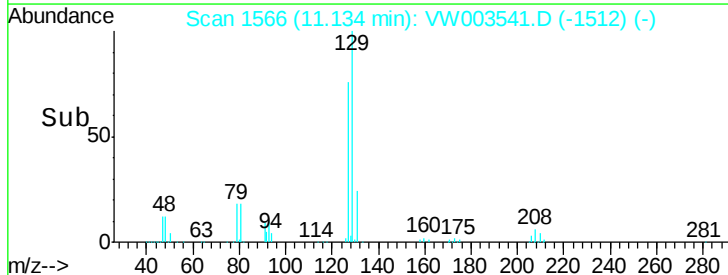
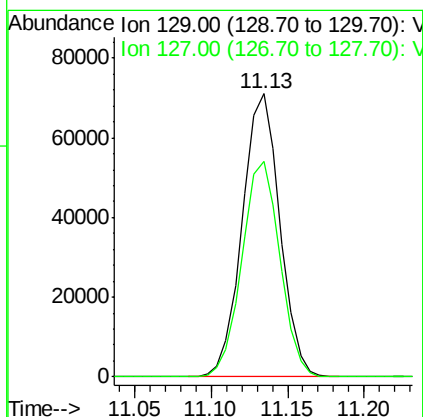
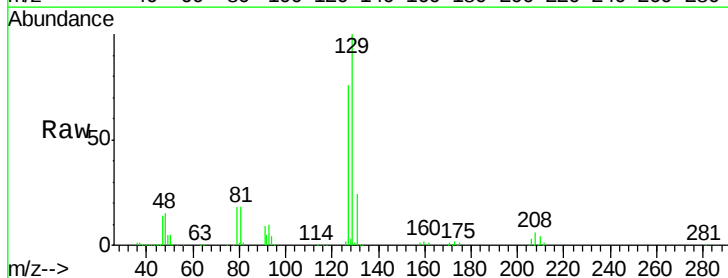
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

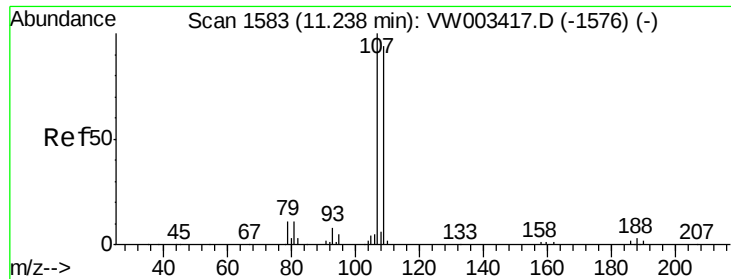
Tgt Ion: 43 Resp: 170090
Ion Ratio Lower Upper
43 100
58 52.3 40.4 60.6
57 18.3 14.6 21.8
100 10.4 8.6 12.8



#50
Dibromochloromethane
Concen: 25.112 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

Tgt Ion: 129 Resp: 121509
Ion Ratio Lower Upper
129 100
127 76.0 56.0 104.0

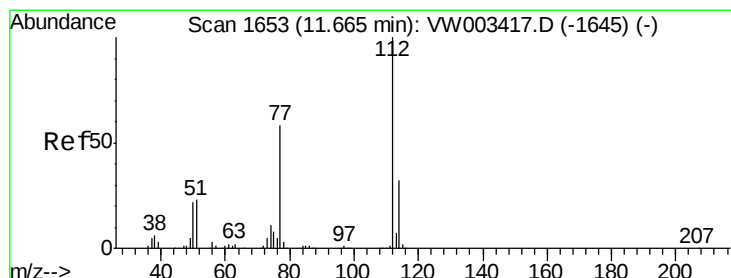
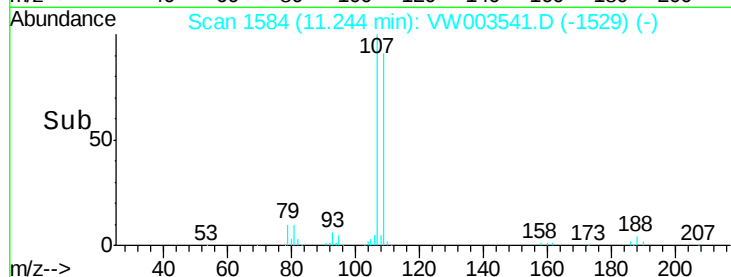
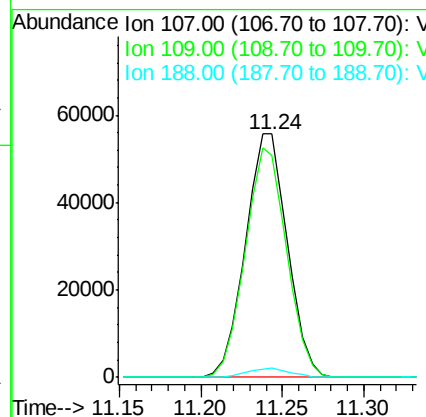
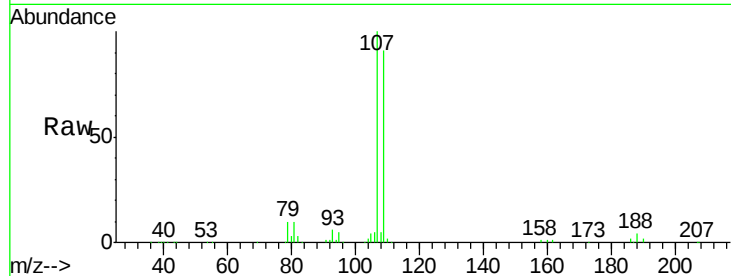




#51
1,2-Dibromoethane
Concen: 25.165 ug/L
RT: 11.24 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

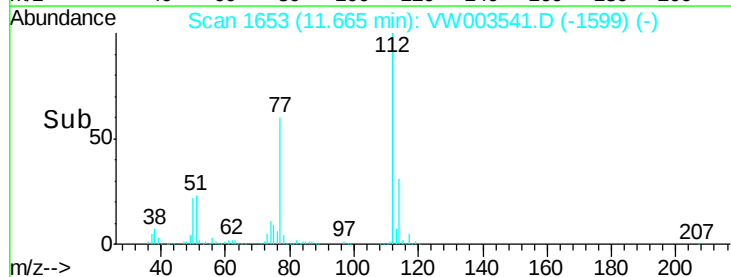
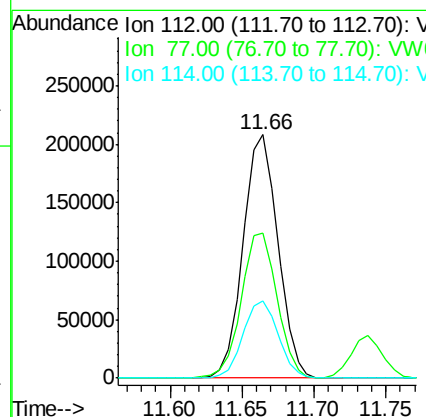
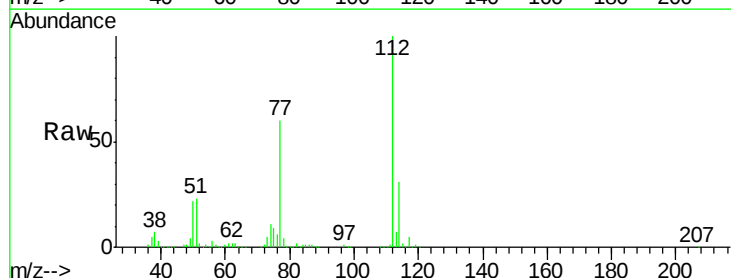
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

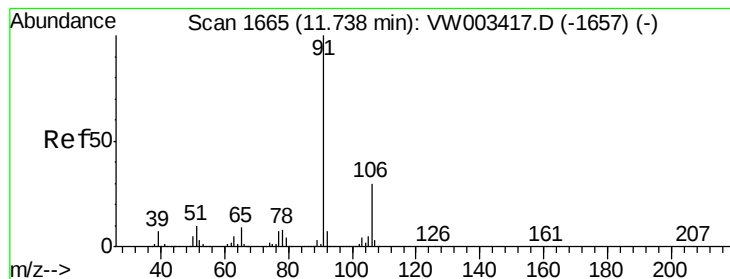
Tgt Ion:107 Resp: 99394
Ion Ratio Lower Upper
107 100
109 91.3 64.5 119.9
188 3.9 2.8 4.2



#52
Chlorobenzene
Concen: 24.465 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

Tgt Ion:112 Resp: 348582
Ion Ratio Lower Upper
112 100
77 59.5 47.3 70.9
114 31.5 22.2 41.2





#53

Ethylbenzene

Concen: 25.607 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

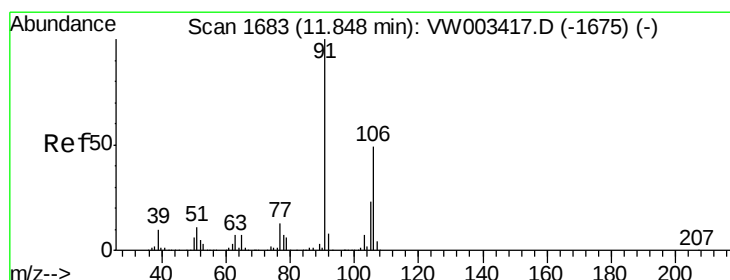
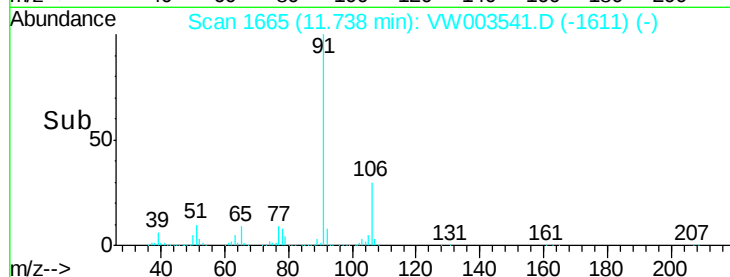
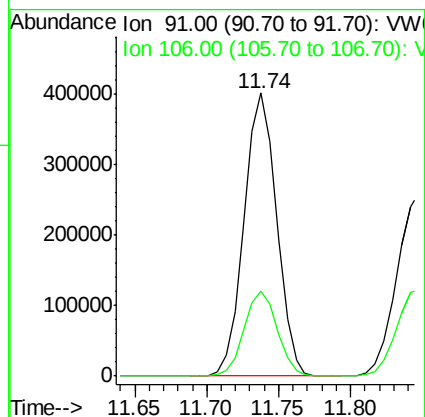
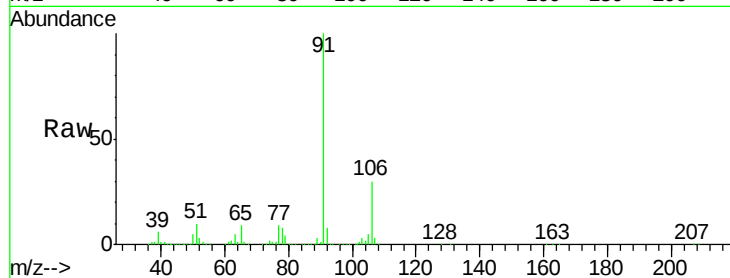
VSTD02591

Tgt Ion: 91 Resp: 630198

Ion Ratio Lower Upper

91 100

106 29.9 21.8 40.4



#54

m,p-Xylene

Concen: 25.797 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003541.D

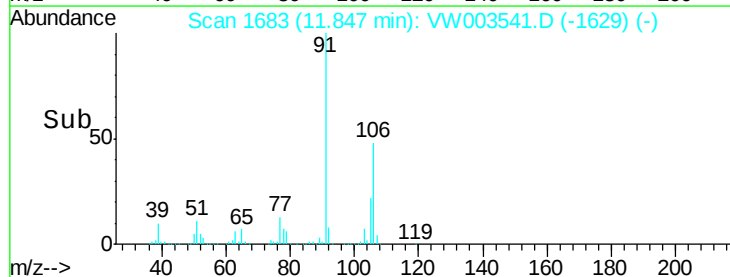
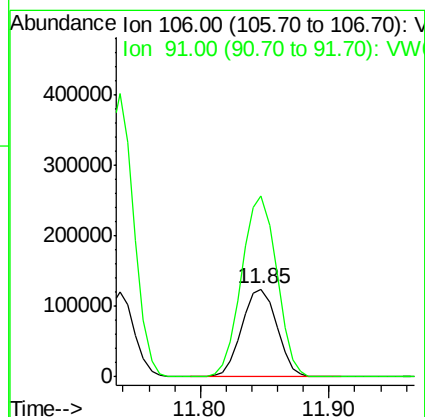
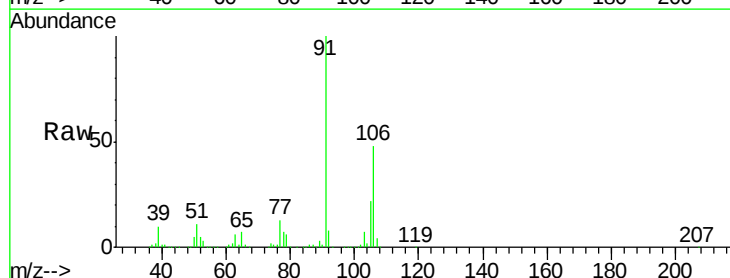
Acq: 25 Jun 2018 11:17

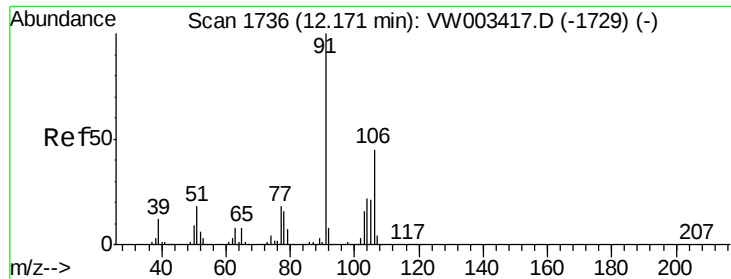
Tgt Ion: 106 Resp: 235794

Ion Ratio Lower Upper

106 100

91 206.5 146.4 271.8

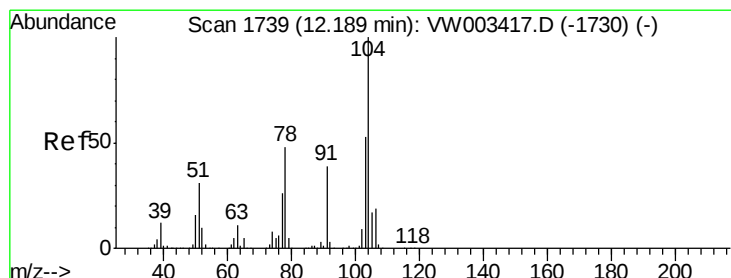
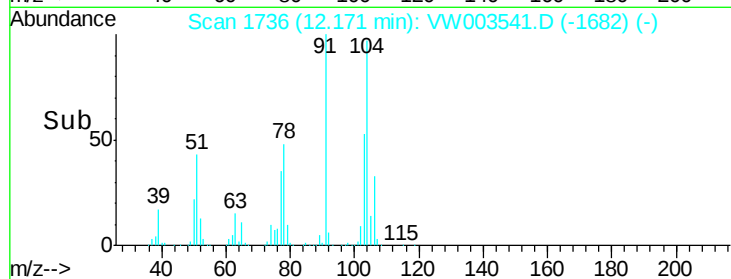
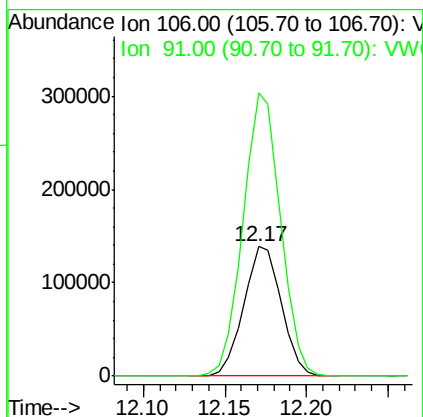
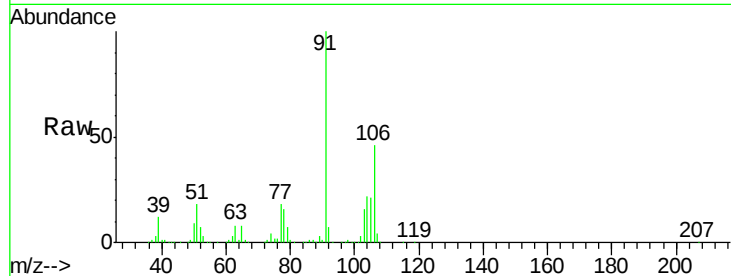




#55
o-xylene
Concen: 25.689 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

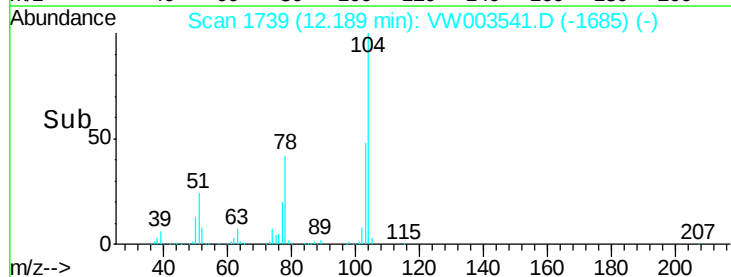
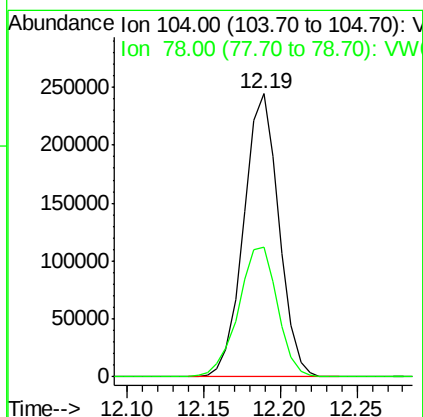
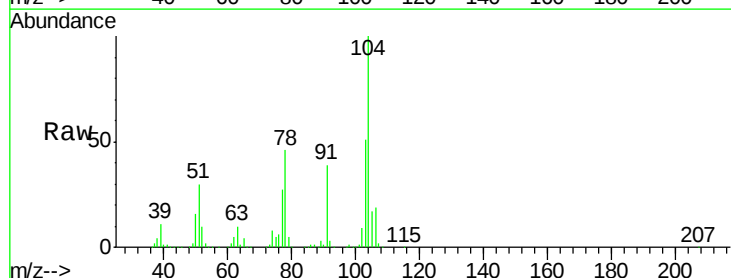
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

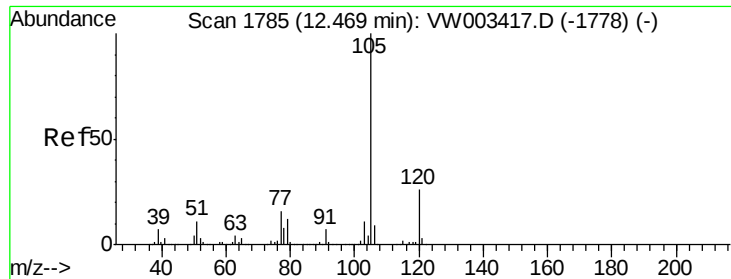
Tgt Ion:106 Resp: 223353
Ion Ratio Lower Upper
106 100
91 218.2 153.4 285.0



#56
Styrene
Concen: 25.977 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW003541.D
Acq: 25 Jun 2018 11:17

Tgt Ion:104 Resp: 389934
Ion Ratio Lower Upper
104 100
78 46.0 32.1 59.7





#57

Isopropylbenzene

Concen: 25.891 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

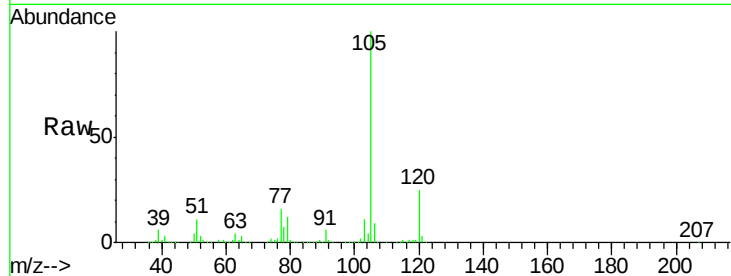
Tgt Ion:105 Resp: 624570

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

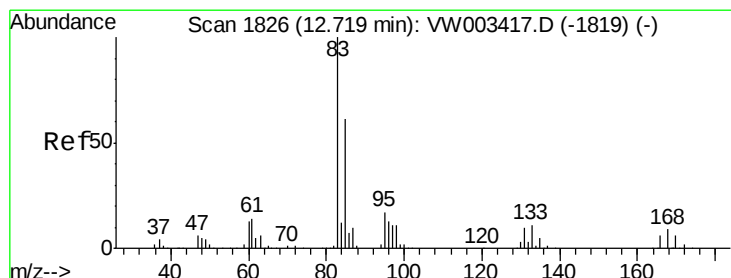
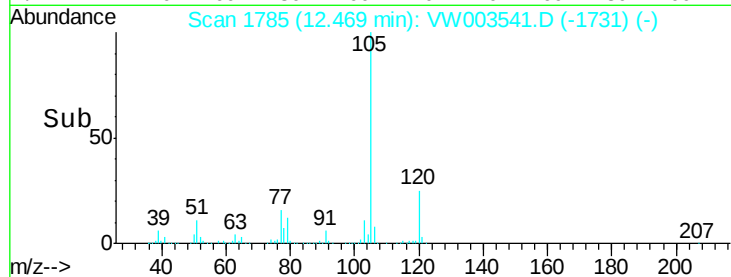
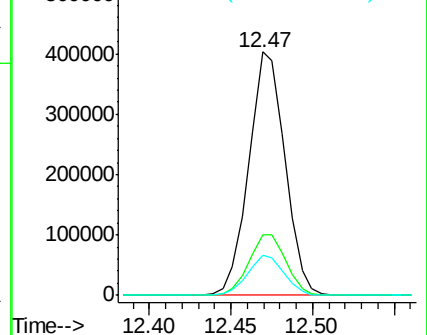
77 16.3 13.3 19.9



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: 26.026 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

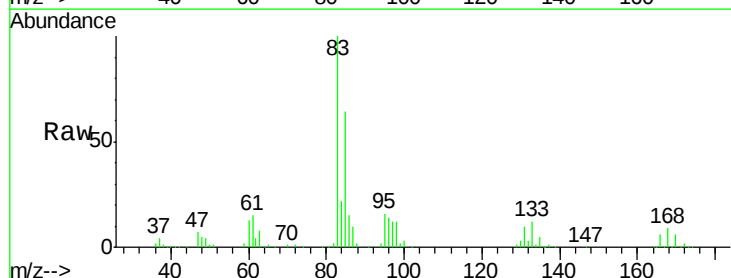
Tgt Ion: 83 Resp: 136365

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

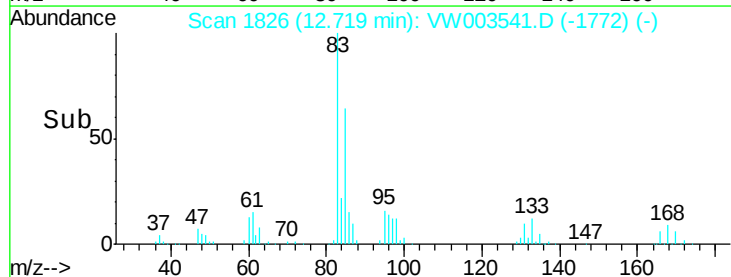
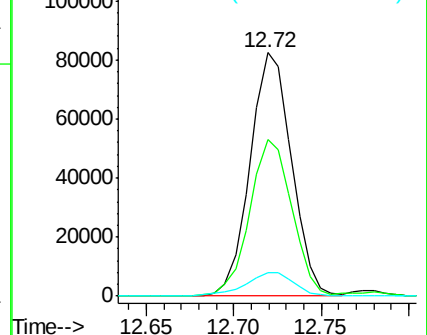
131 9.5 8.2 12.2

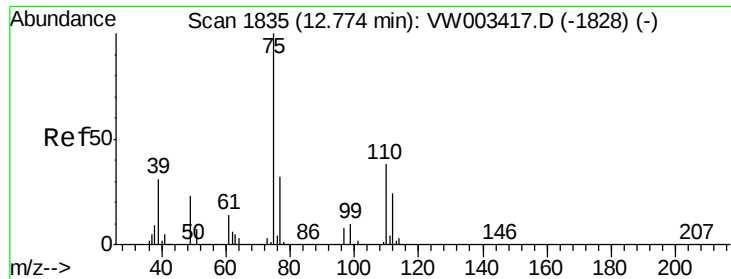


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.759 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

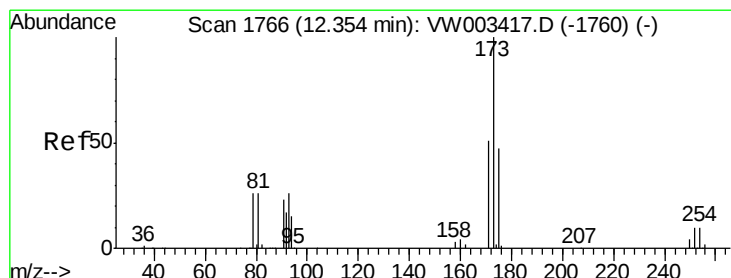
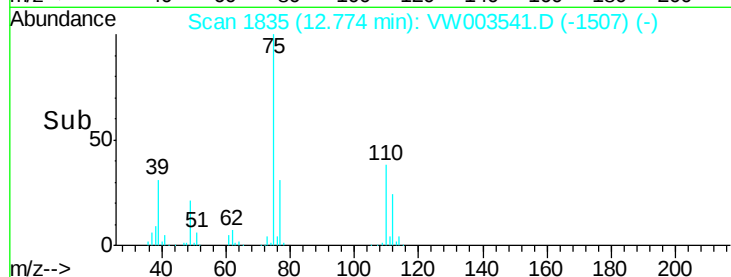
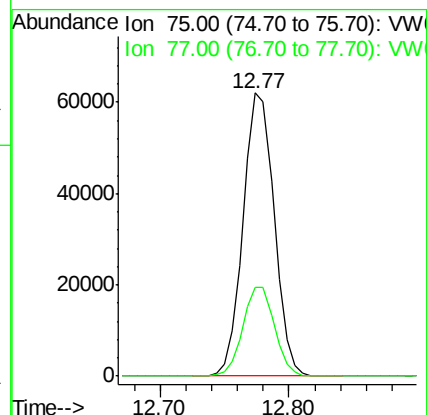
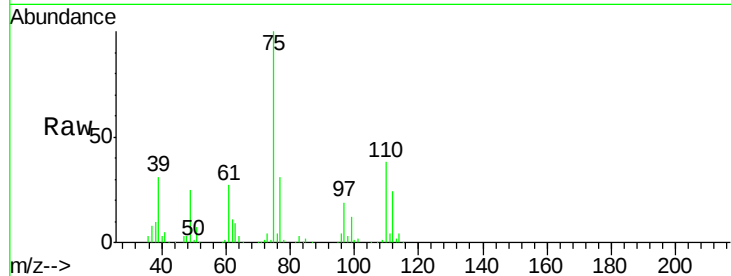
VSTD02591

Tgt Ion: 75 Resp: 103437

Ion Ratio Lower Upper

75 100

77 32.2 26.0 39.0



#62

Bromoform

Concen: 24.397 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

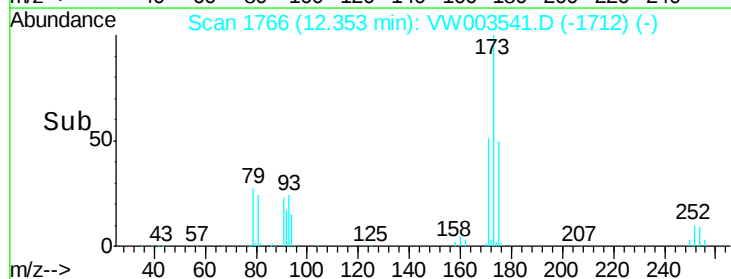
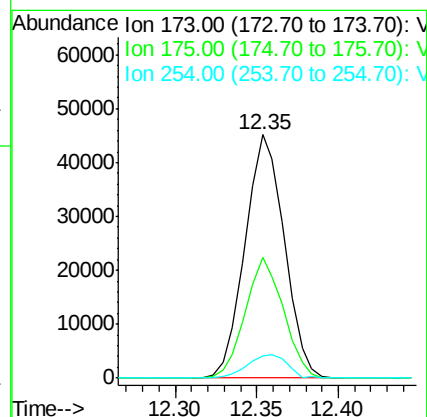
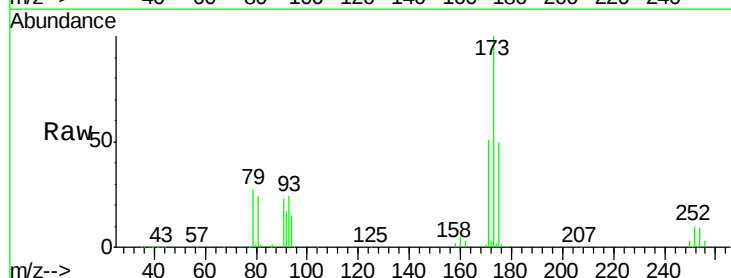
Tgt Ion:173 Resp: 75965

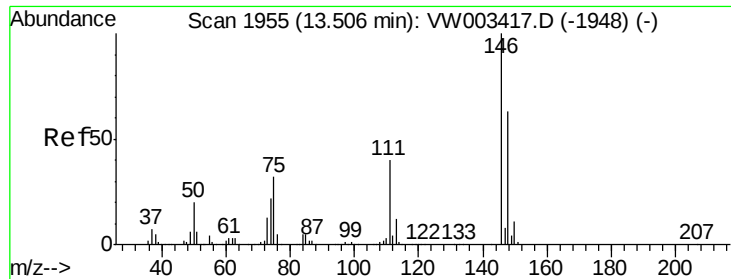
Ion Ratio Lower Upper

173 100

175 48.1 39.9 59.9

254 9.4 7.7 11.5





#63

1,3-Dichlorobenzene

Concen: 24.306 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

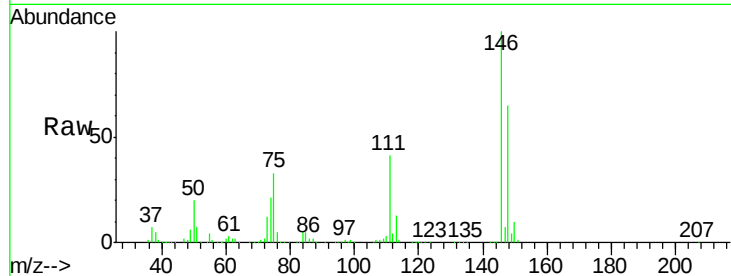
Tgt Ion:146 Resp: 276492

Ion Ratio Lower Upper

146 100

111 41.2 27.9 51.7

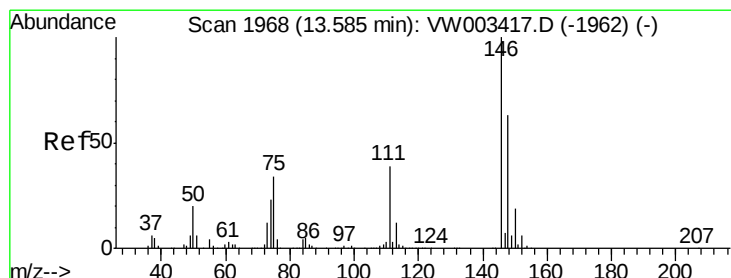
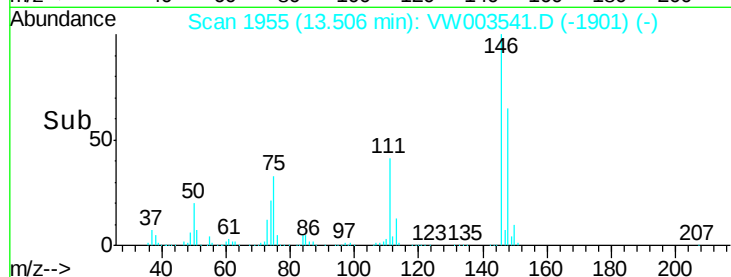
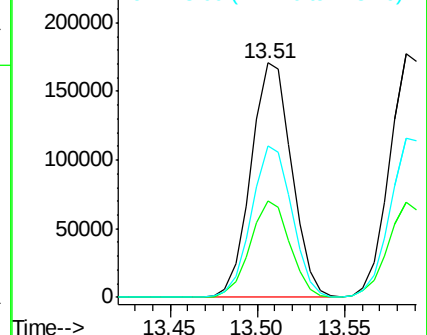
148 64.6 44.9 83.3



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



#64

1,4-Dichlorobenzene

Concen: 24.159 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

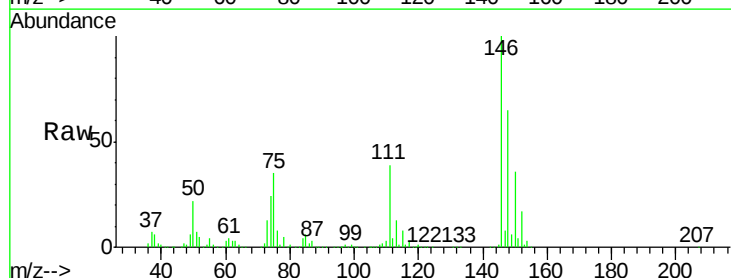
Tgt Ion:146 Resp: 288134

Ion Ratio Lower Upper

146 100

111 39.1 26.8 49.8

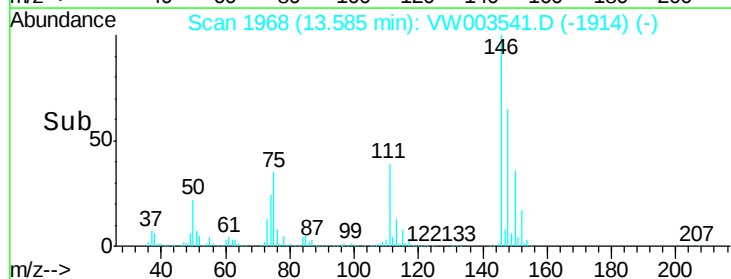
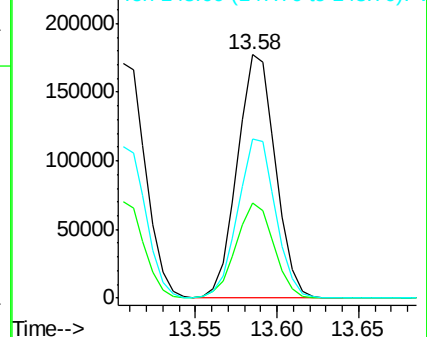
148 65.3 45.4 84.2

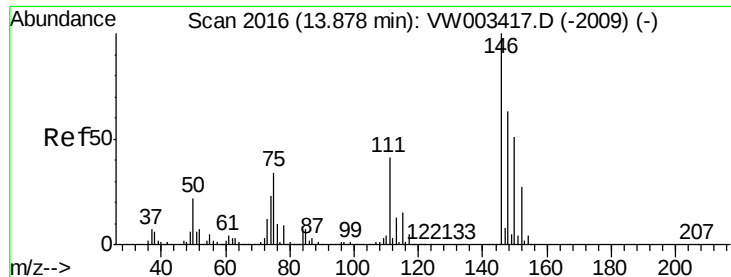


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.511 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

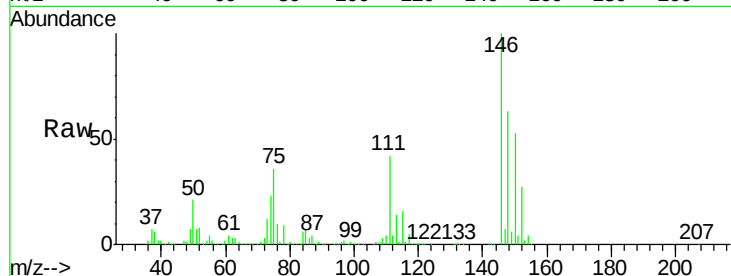
Tgt Ion:146 Resp: 266205

Ion Ratio Lower Upper

146 100

111 41.8 33.1 49.7

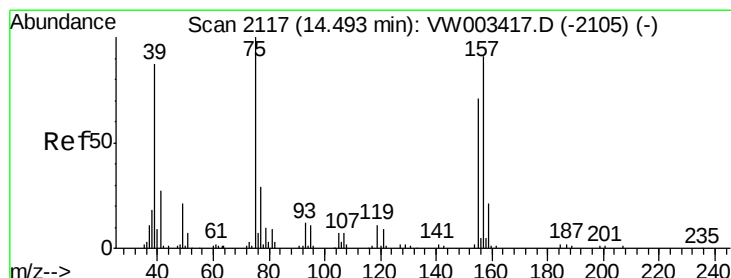
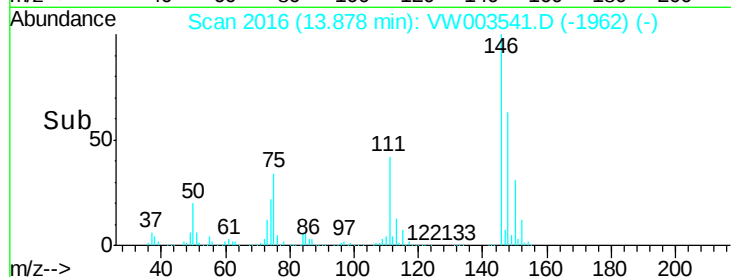
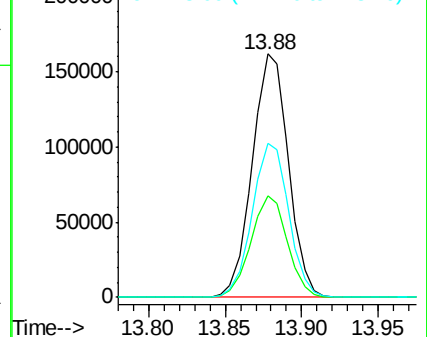
148 63.1 51.0 76.6



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: 24.377 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

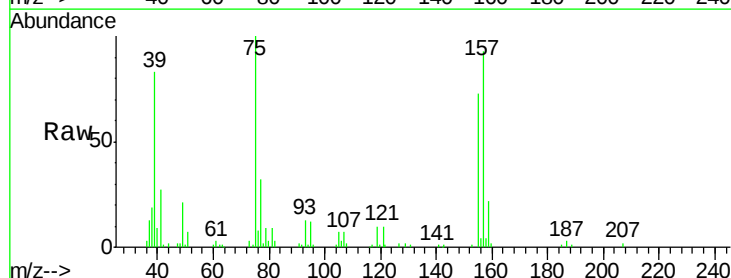
Tgt Ion: 75 Resp: 23235

Ion Ratio Lower Upper

75 100

157 93.3 70.7 106.1

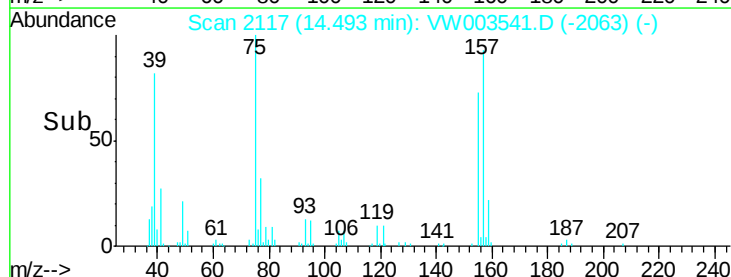
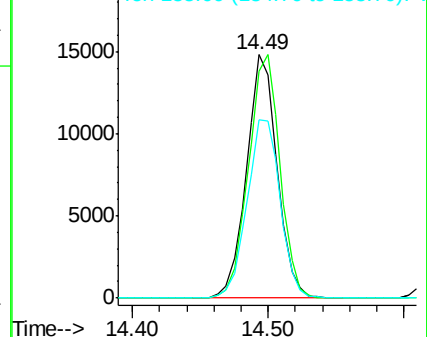
155 73.3 59.0 88.6

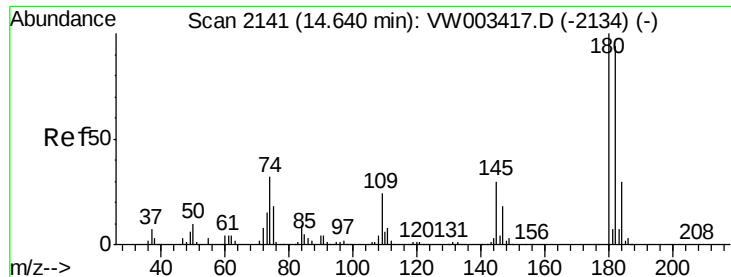


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

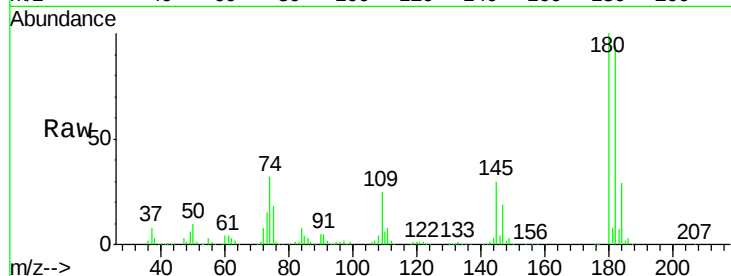




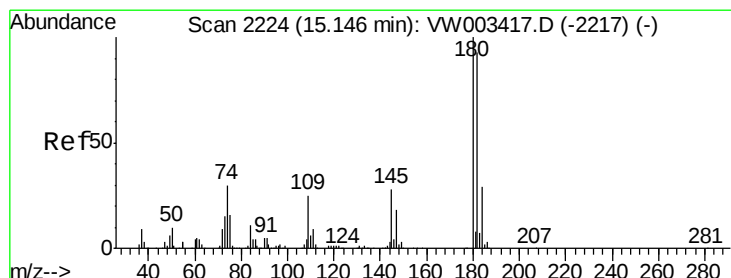
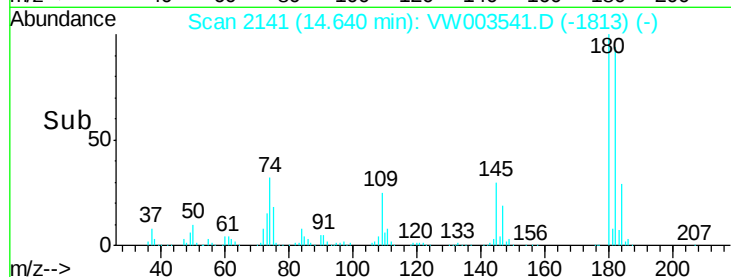
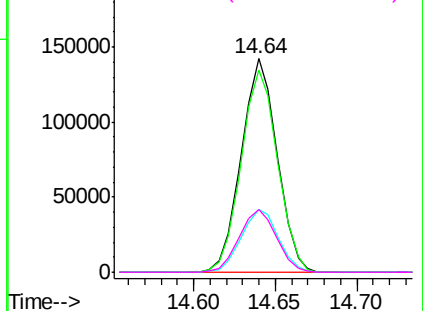
#67
 1,3,5-Trichlorobenzene
 Concen: 24.705 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003541.D
 Acq: 25 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

Tgt Ion:180 Resp: 218379
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.9 113.9
 184 30.4 24.5 36.7
 145 30.2 23.4 35.2

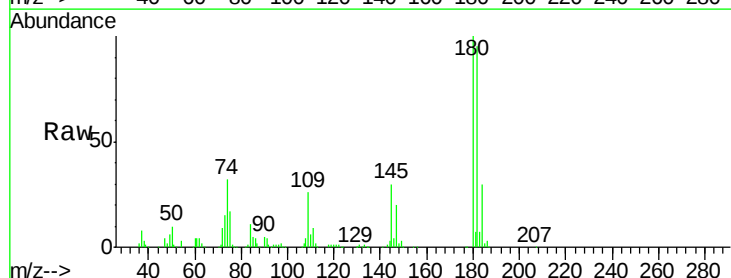


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

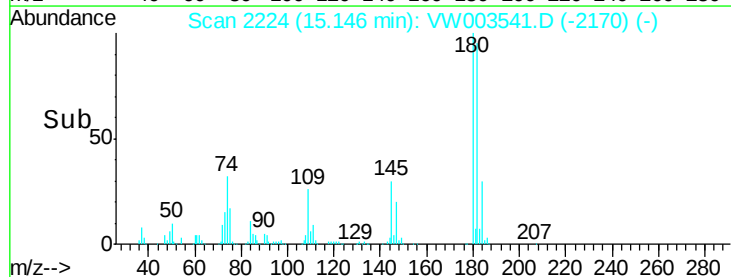
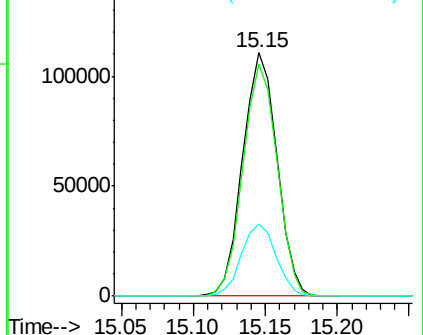


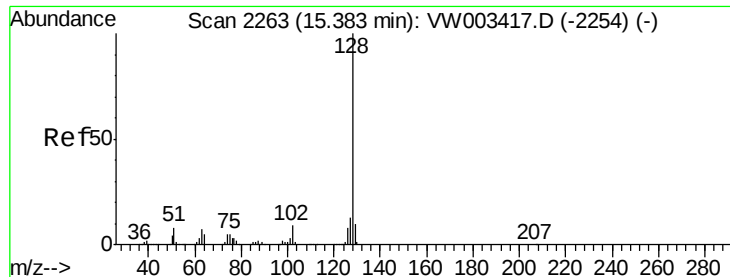
#68
 1,2,4-trichlorobenzene
 Concen: 25.422 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003541.D
 Acq: 25 Jun 2018 11:17

Tgt Ion:180 Resp: 182941
 Ion Ratio Lower Upper
 180 100
 182 94.7 74.8 112.2
 145 29.9 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: 27.309 ug/L

RT: 15.38 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

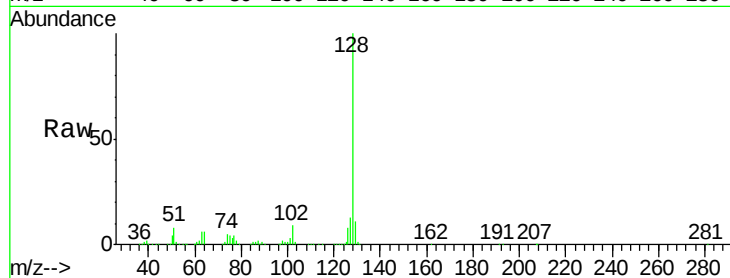
Tgt Ion:128 Resp: 367699

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

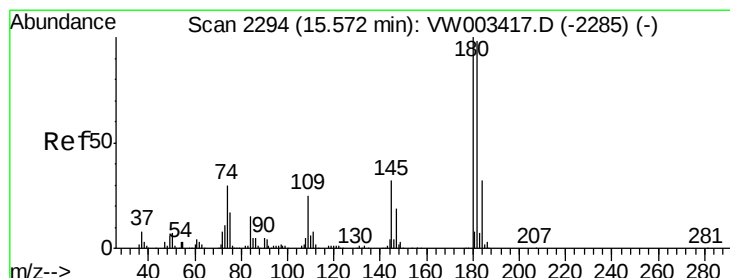
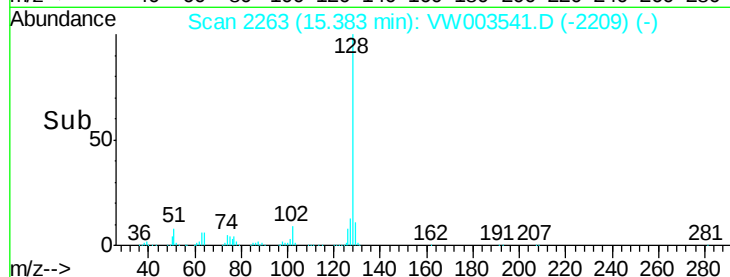
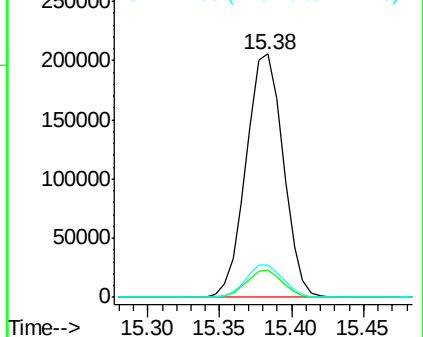
127 13.3 10.9 16.3



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: 25.936 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW003541.D

Acq: 25 Jun 2018 11:17

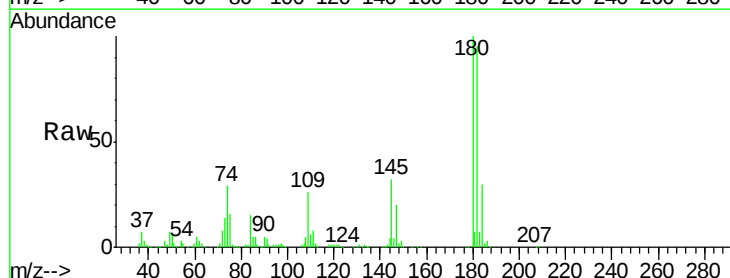
Tgt Ion:180 Resp: 171057

Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.0

145 32.3 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

