

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062618\
 Data File : VW003568.D
 Acq On : 26 Jun 2018 09:42
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

Quant Time: Jun 27 01:32:59 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	338012	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	316005	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	167041	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	88770	19.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.44%
7) Chloroethane-d5	2.89	69	77388	20.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.92%
10) 1,1-Dichloroethene-d2	4.01	63	205925	22.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.48%
20) 2-Butanone-d5	7.09	46	74520	51.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.18%
24) Chloroform-d	7.65	84	209740	23.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.36%
26) 1,2-Dichloroethane-d4	8.31	65	123586	23.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.56%
29) Benzene-d6	8.28	84	382382	22.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.24%
33) 1,2-Dichloropropane-d6	9.28	67	126466	23.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.32%
37) Toluene-d8	10.33	98	361569	22.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.20%
38) trans-1,3-Dichloropropene-	10.58	79	55876	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.68%
39) 2-Hexanone-d5	10.93	63	58181	53.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.26%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	124987	25.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.24%
61) 1,2-Dichlorobenzene-d4	13.87	152	141993	22.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	48837	26.305	ug/L 94
3) Chloromethane	2.21	50	97965	24.563	ug/L 99
5) Vinyl chloride	2.36	62	148525	25.732	ug/L 99
6) Bromomethane	2.78	94	79404	23.643	ug/L 99
8) Chloroethane	2.92	64	87084	24.761	ug/L 97
9) Trichlorofluoromethane	3.26	101	99390	30.021	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	120164	26.882	ug/L 99
12) 1,1-Dichloroethene	4.03	96	113523	26.868	ug/L 92
13) Acetone	4.15	43	81385	52.857	ug/L 99
14) Carbon disulfide	4.37	76	350030	25.678	ug/L 99
15) Methyl Acetate	4.68	43	65805	26.075	ug/L 98
16) Methylene chloride	4.91	84	123807	26.582	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	218034	27.969	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	119662	27.181	ug/L 98
19) 1,1-Dichloroethane	6.21	63	225853	27.490	ug/L 99
21) 2-Butanone	7.19	43	93603	51.733	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	129041	27.581	ug/L 99

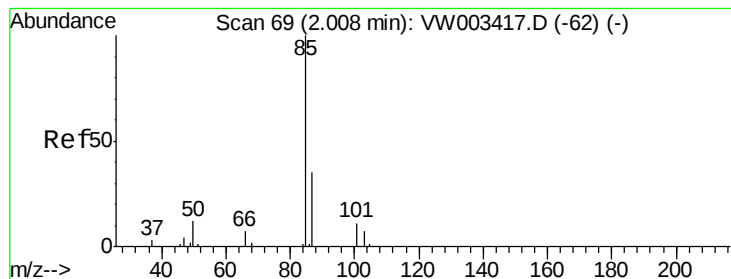
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062618\
 Data File : VW003568.D
 Acq On : 26 Jun 2018 09:42
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

Quant Time: Jun 27 01:32:59 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)
23) Bromochloromethane	7.51	128	58013	26.804	ug/L	98
25) Chloroform	7.68	83	233492	27.643	ug/L	99
27) 1,2-Dichloroethane	8.40	62	167523	27.388	ug/L	100
30) Cyclohexane	7.96	56	208966	28.642	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	194548	28.022	ug/L	99
32) Carbon tetrachloride	8.07	117	185409	27.643	ug/L	99
34) Benzene	8.32	78	500739	27.788	ug/L	100
35) Trichloroethene	9.09	95	134081	27.607	ug/L	98
36) Methylcyclohexane	9.34	83	234954	28.337	ug/L	100
40) 1,2-Dichloropropane	9.37	63	132229	27.884	ug/L	100
41) Bromodichloromethane	9.65	83	168337	27.618	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	198162	28.000	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	186902	55.169	ug/L	99
44) Toluene	10.39	91	550589	28.173	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	179956	28.100	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	97106	27.430	ug/L	97
47) Tetrachloroethene	10.87	164	110262	27.016	ug/L	99
49) 2-Hexanone	10.98	43	147795	58.542	ug/L	99
50) Dibromochloromethane	11.13	129	117848	27.345	ug/L	97
51) 1,2-Dibromoethane	11.24	107	95267	27.081	ug/L	97
52) Chlorobenzene	11.66	112	348050	27.426	ug/L	99
53) Ethylbenzene	11.74	91	633249	28.889	ug/L	99
54) m,p-Xylene	11.85	106	236044	28.993	ug/L	96
55) o-xylene	12.17	106	224145	28.944	ug/L	98
56) Styrene	12.19	104	392094	29.326	ug/L	97
57) Isopropylbenzene	12.47	105	626863	29.175	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	129617	27.774	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	98109	27.431	ug/L	100
62) Bromoform	12.35	173	72293	25.716	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	275940	26.867	ug/L	100
64) 1,4-Dichlorobenzene	13.59	146	288629	26.804	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	267032	27.232	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	22054	25.628	ug/L	91
67) 1,3,5-Trichlorobenzene	14.64	180	219527	27.506	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	179129	27.570	ug/L	99
69) Naphthalene	15.38	128	342254	28.154	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	167001	28.045	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 26.305 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

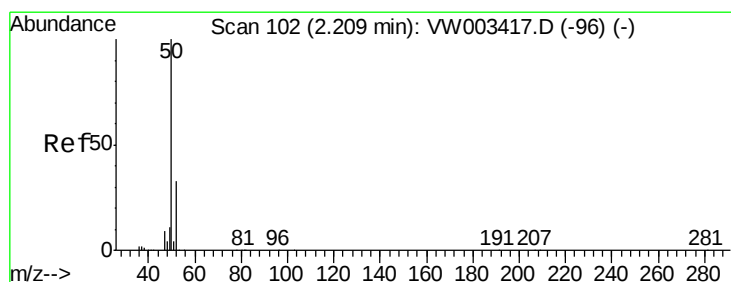
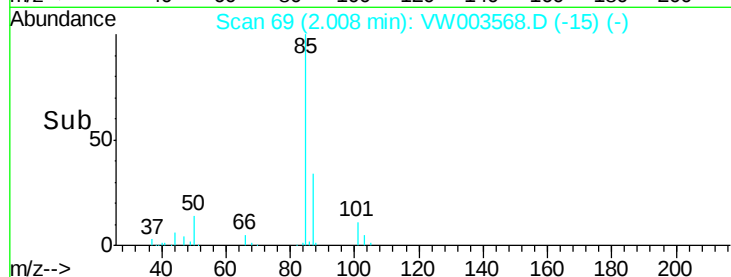
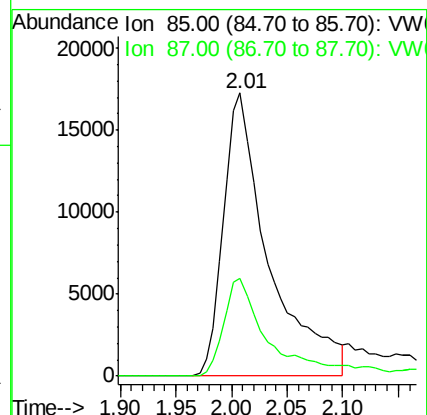
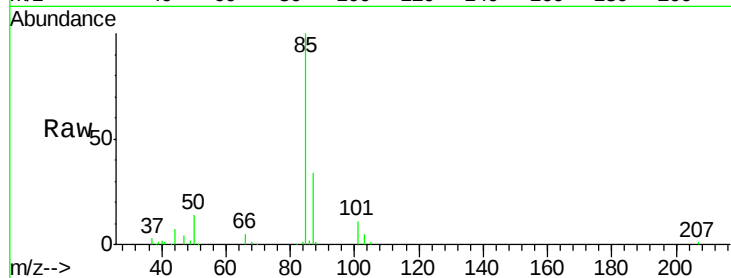
VSTD02582

Tgt Ion: 85 Resp: 48837

Ion Ratio Lower Upper

85 100

87 27.6 17.1 31.7



#3

Chloromethane

Concen: 24.563 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003568.D

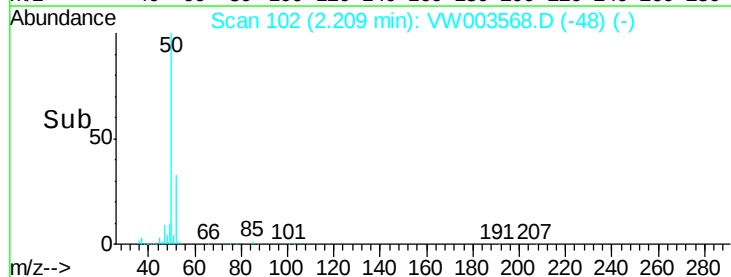
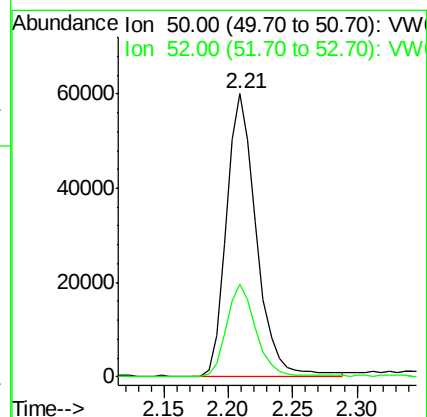
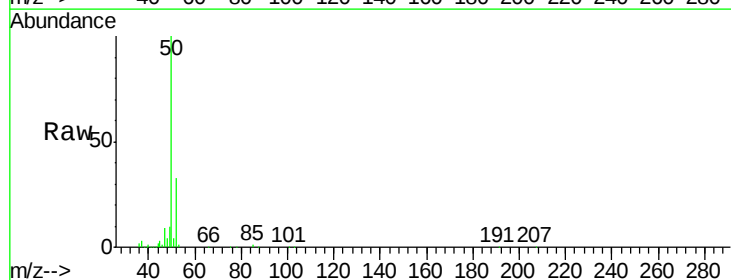
Acq: 26 Jun 2018 09:42

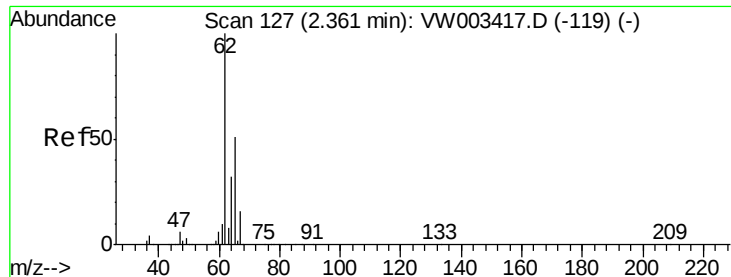
Tgt Ion: 50 Resp: 97965

Ion Ratio Lower Upper

50 100

52 32.8 23.3 43.3





#5

Vinyl chloride

Concen: 25.732 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

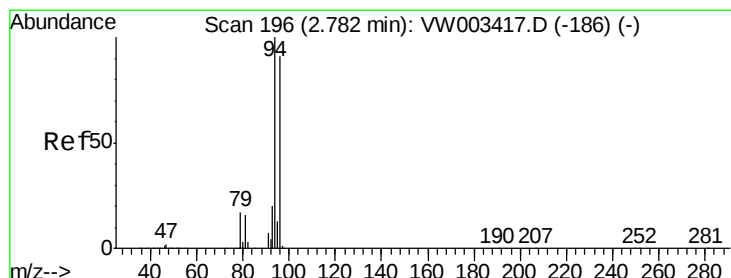
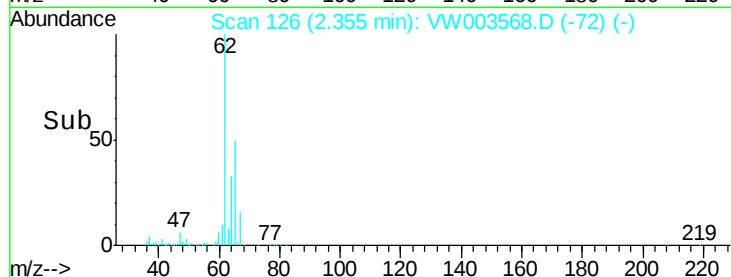
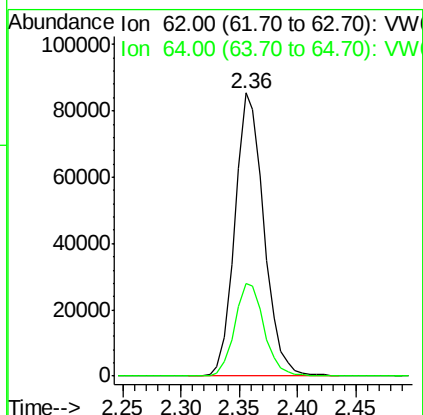
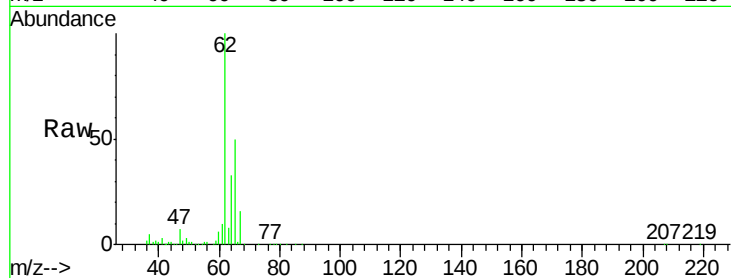
VSTD02582

Tgt Ion: 62 Resp: 148525

Ion Ratio Lower Upper

62 100

64 32.9 23.5 43.7



#6

Bromomethane

Concen: 23.643 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003568.D

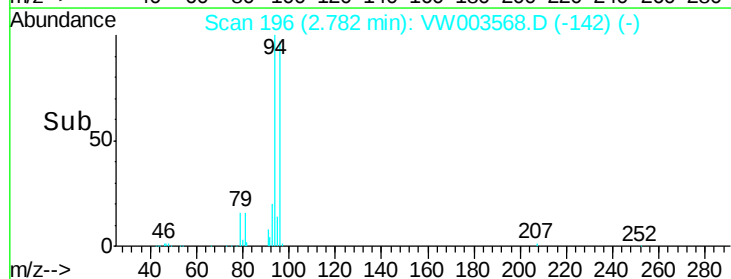
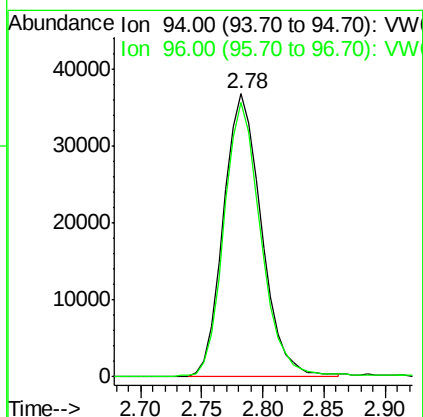
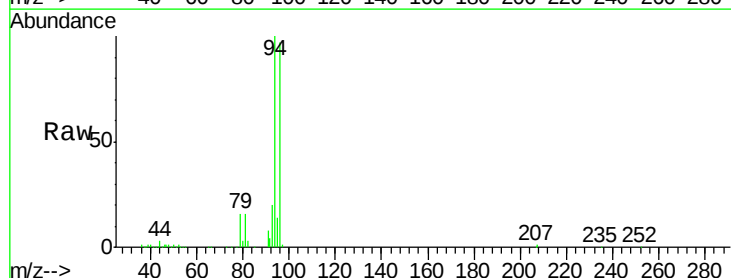
Acq: 26 Jun 2018 09:42

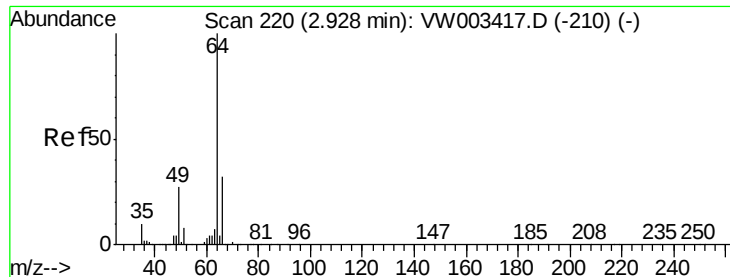
Tgt Ion: 94 Resp: 79404

Ion Ratio Lower Upper

94 100

96 94.1 9.5 180.3

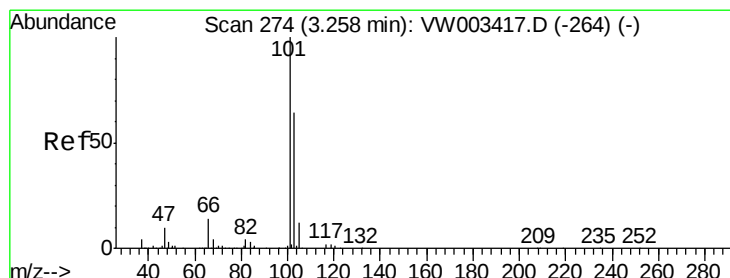
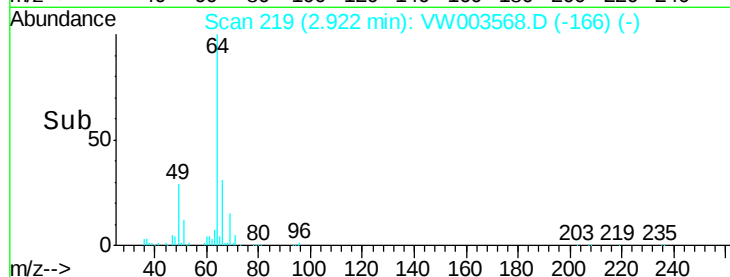
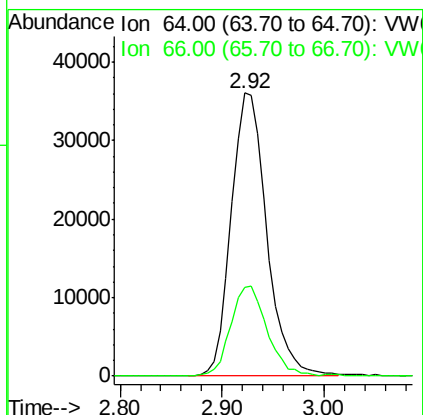
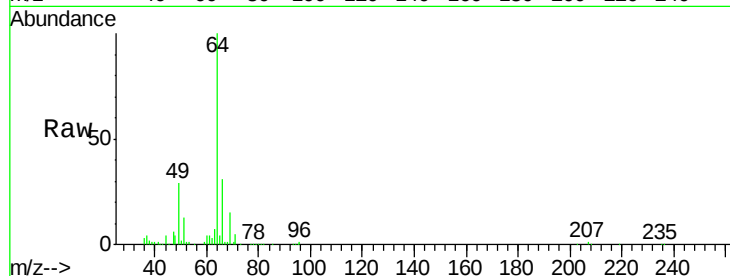




#8
Chloroethane
Concen: 24.761 ug/L
RT: 2.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

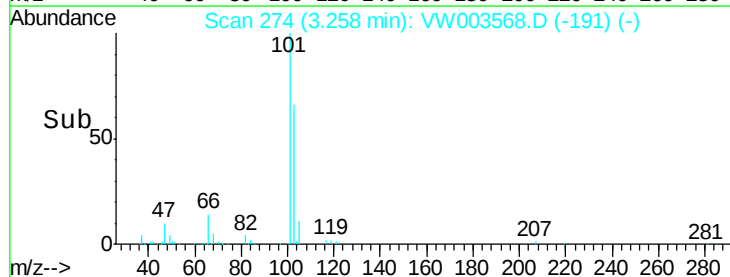
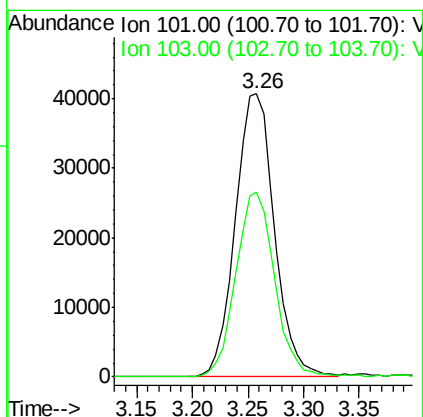
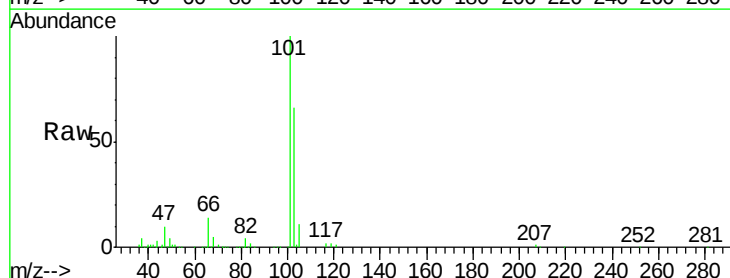
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

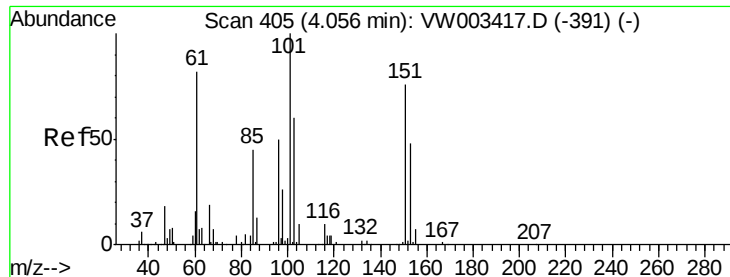
Tgt Ion: 64 Resp: 87084
Ion Ratio Lower Upper
64 100
66 31.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 30.021 ug/L
RT: 3.26 min Scan# 274
Delta R.T. 0.01 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

Tgt Ion: 101 Resp: 99390
Ion Ratio Lower Upper
101 100
103 65.0 45.1 83.7





#11

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

Concen: 26.882 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

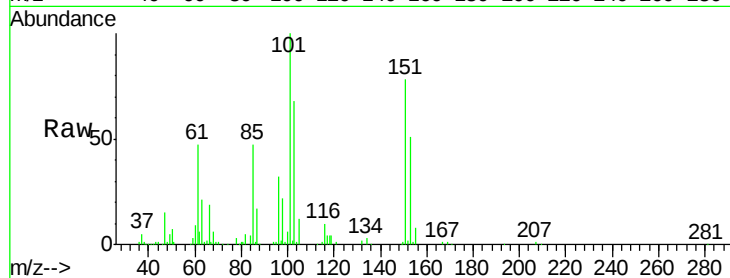
Tgt Ion:101 Resp: 120164

Ion Ratio Lower Upper

101 100

85 45.6 35.4 53.0

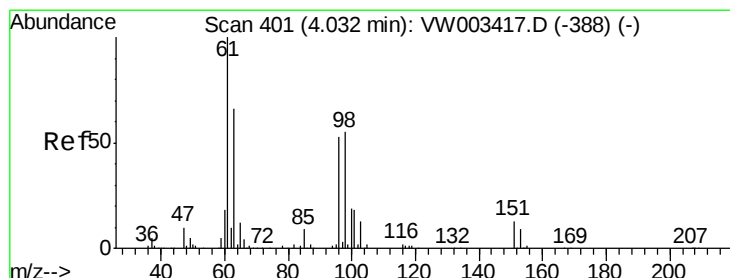
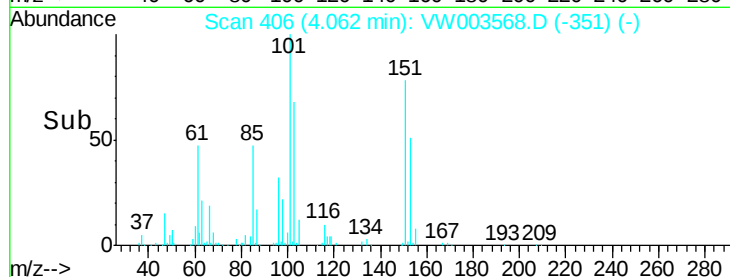
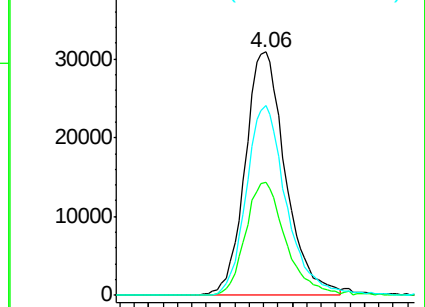
151 77.2 61.4 92.0



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: 26.868 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

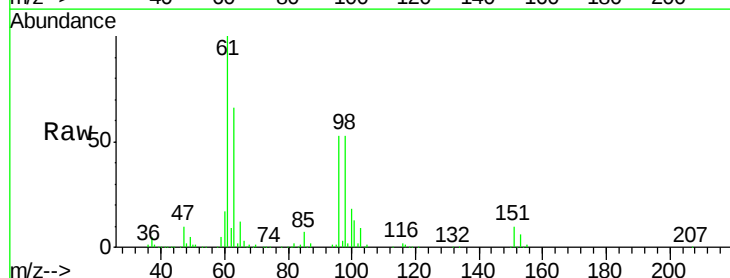
Tgt Ion: 96 Resp: 113523

Ion Ratio Lower Upper

96 100

61 189.4 124.1 230.5

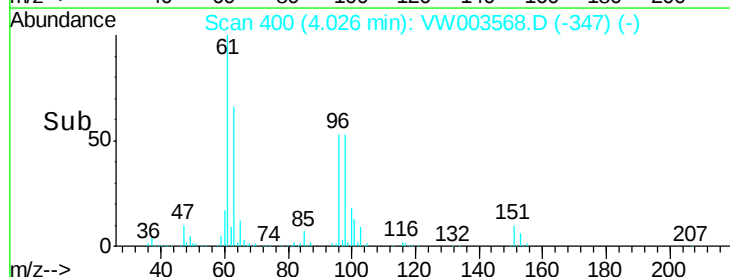
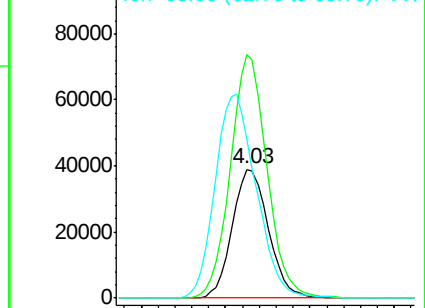
63 124.3 93.1 172.9

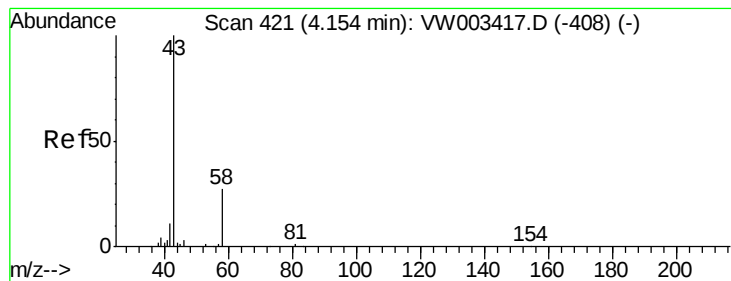


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.857 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

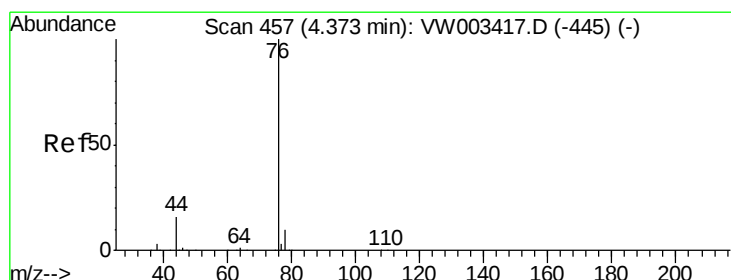
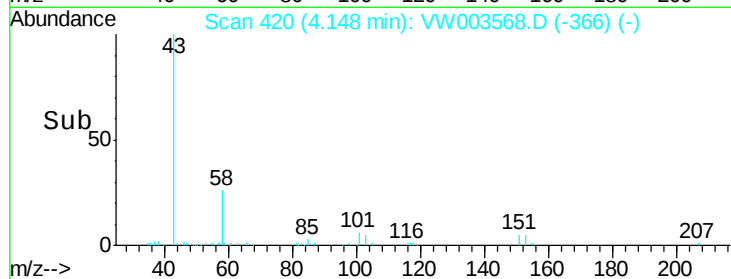
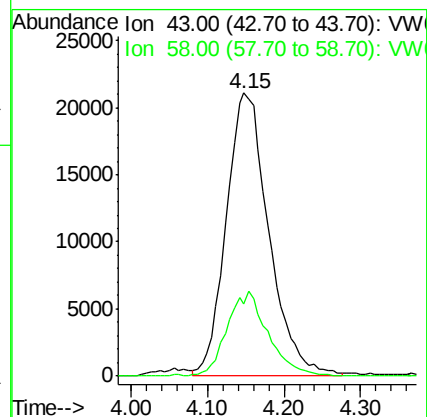
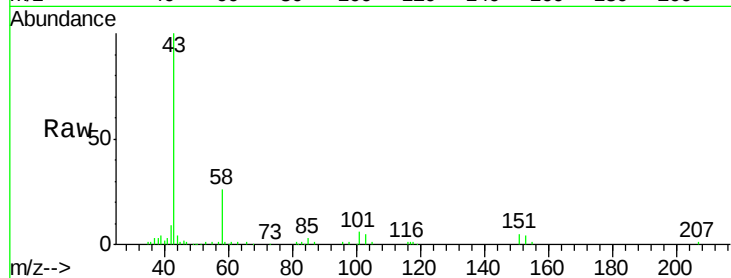
VSTD02582

Tgt Ion: 43 Resp: 81385

Ion Ratio Lower Upper

43 100

58 28.7 0.0 58.6



#14

Carbon disulfide

Concen: 25.678 ug/L

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW003568.D

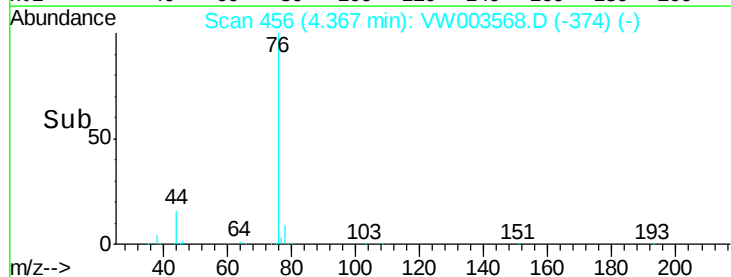
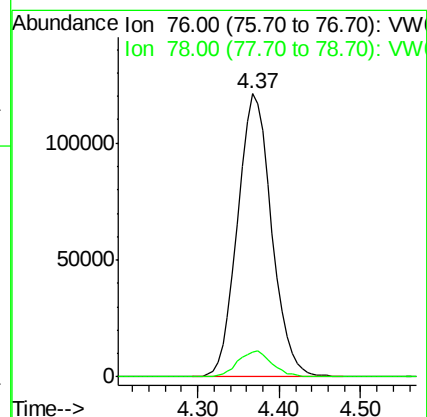
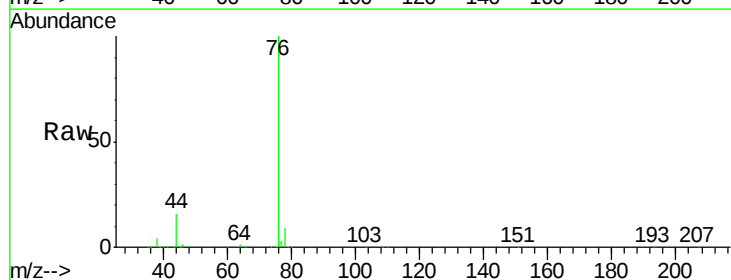
Acq: 26 Jun 2018 09:42

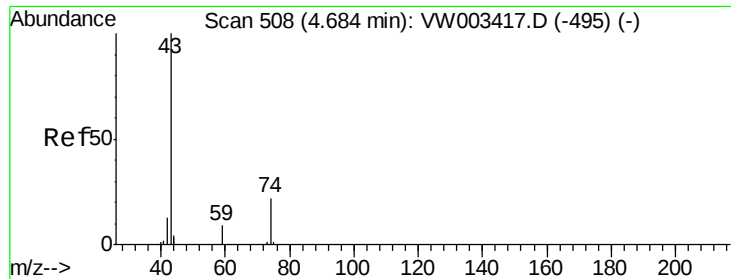
Tgt Ion: 76 Resp: 350030

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

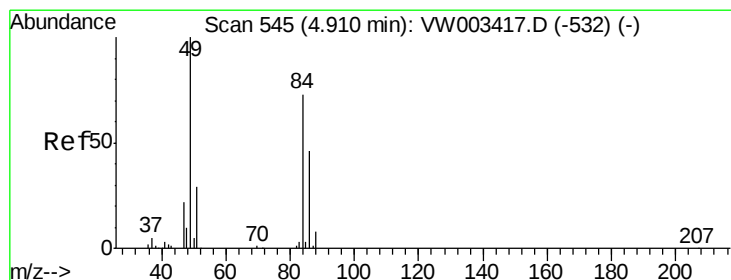
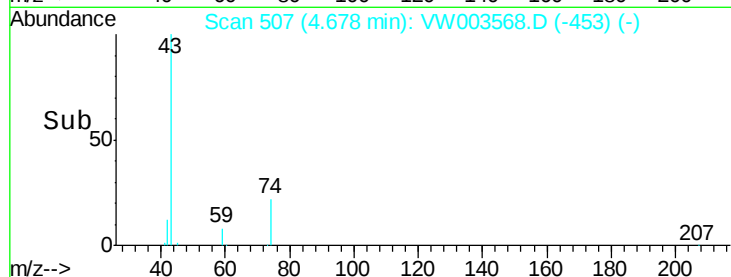
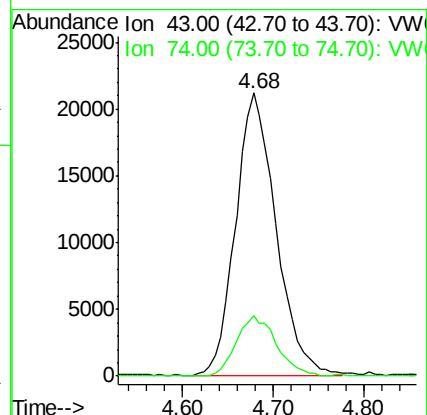
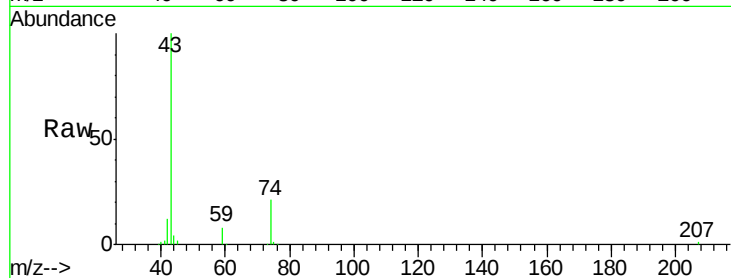




#15
Methyl Acetate
Concen: 26.075 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.00 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

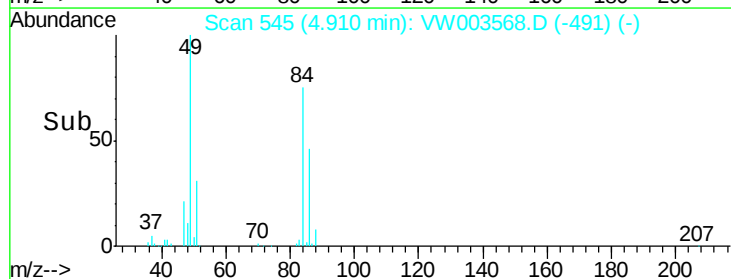
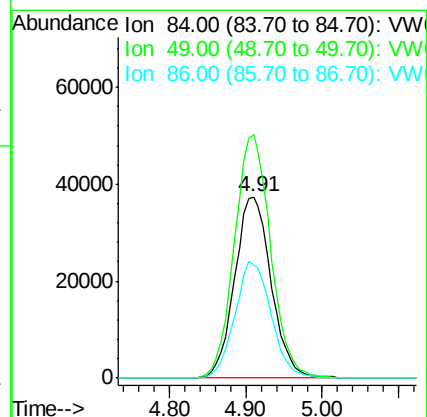
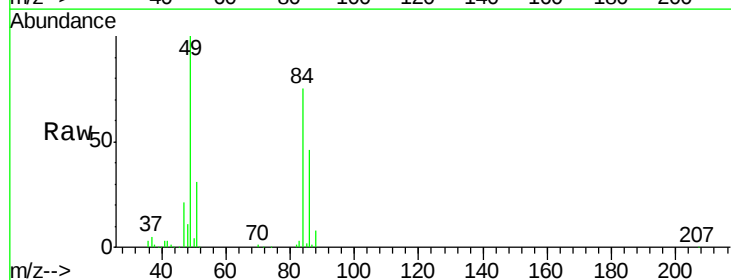
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

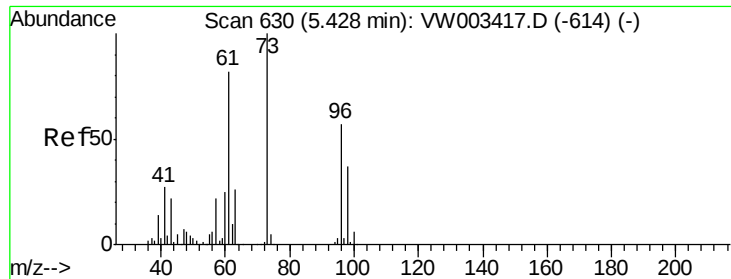
Tgt Ion: 43 Resp: 65805
Ion Ratio Lower Upper
43 100
74 21.0 17.5 26.3



#16
Methylene chloride
Concen: 26.582 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

Tgt Ion: 84 Resp: 123807
Ion Ratio Lower Upper
84 100
49 134.1 88.7 164.7
86 62.2 44.2 82.0

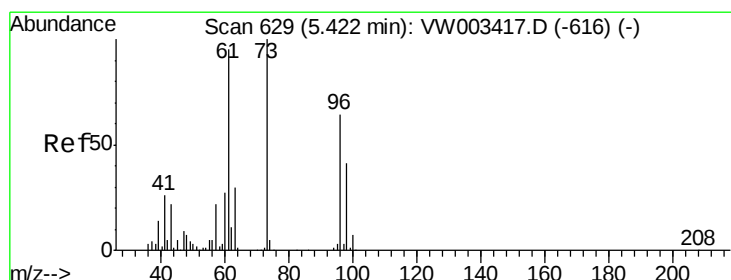
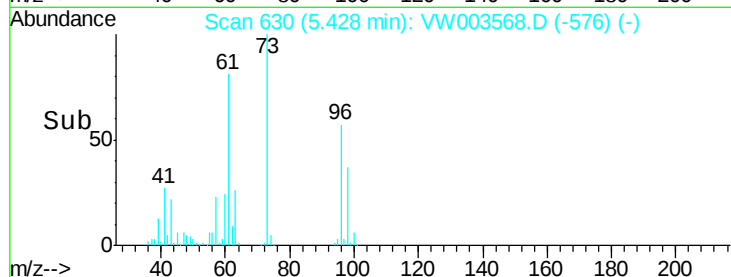
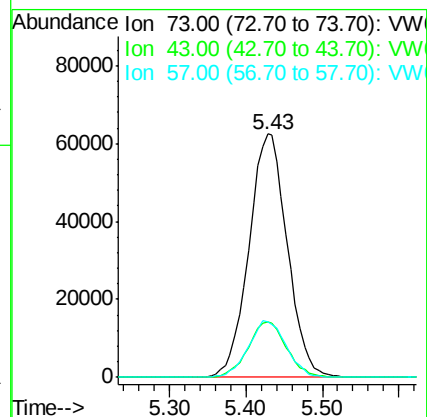
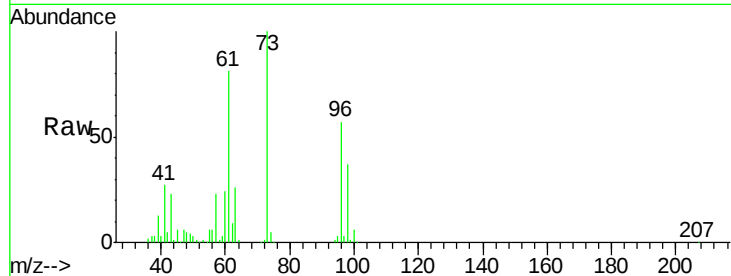




#17
Methyl tert-butyl Ether
Concen: 27.969 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

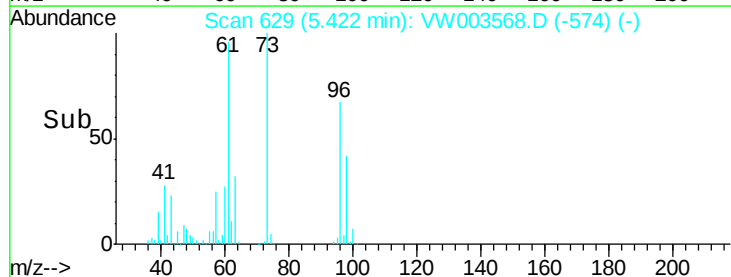
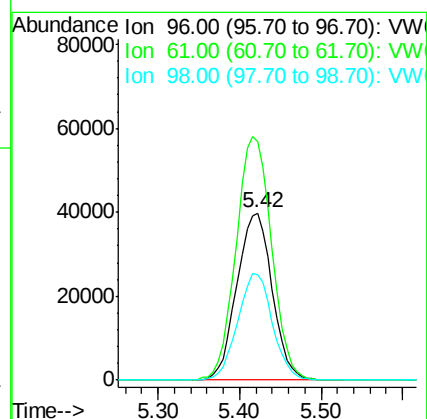
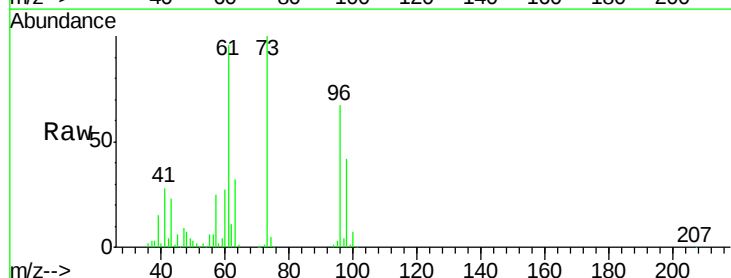
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

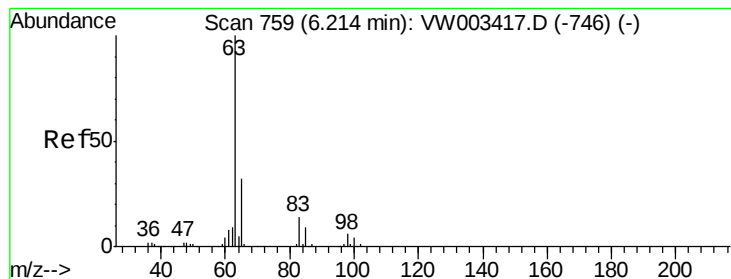
Tgt Ion: 73 Resp: 218034
Ion Ratio Lower Upper
73 100
43 22.9 18.6 27.8
57 22.9 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 27.181 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

Tgt Ion: 96 Resp: 119662
Ion Ratio Lower Upper
96 100
61 142.5 98.0 182.0
98 62.8 44.2 82.2





#19

1,1-Dichloroethane

Concen: 27.490 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

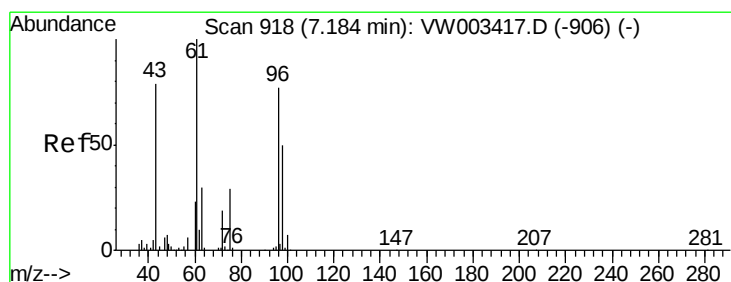
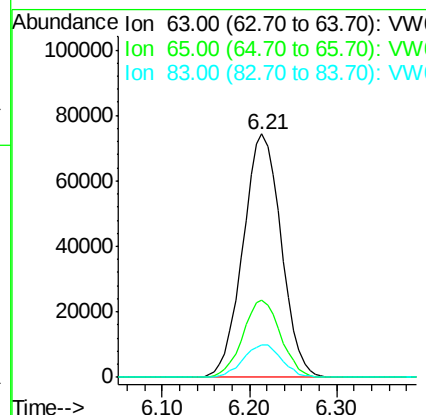
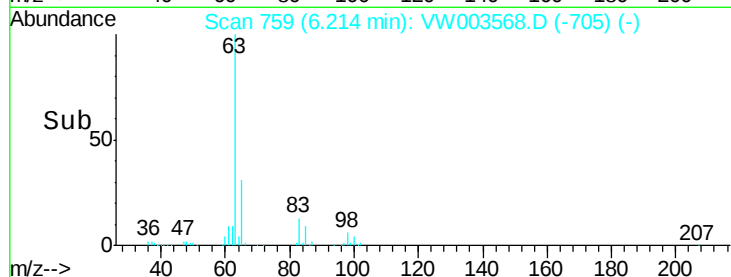
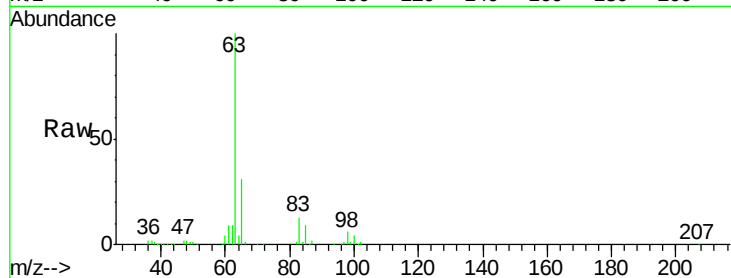
Tgt Ion: 63 Resp: 225853

Ion Ratio Lower Upper

63 100

65 31.5 21.8 40.4

83 13.3 9.0 16.6



#21

2-Butanone

Concen: 51.733 ug/L

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003568.D

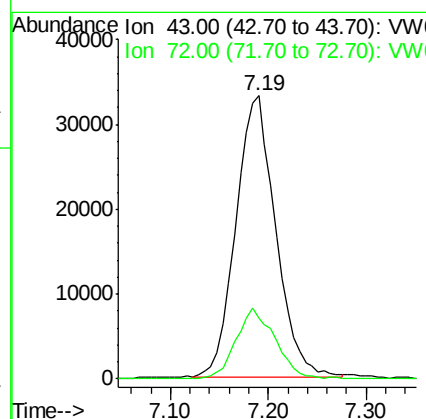
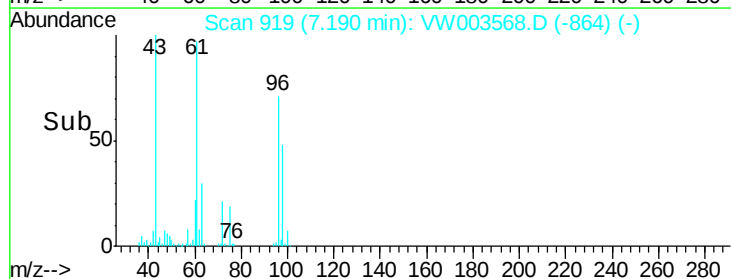
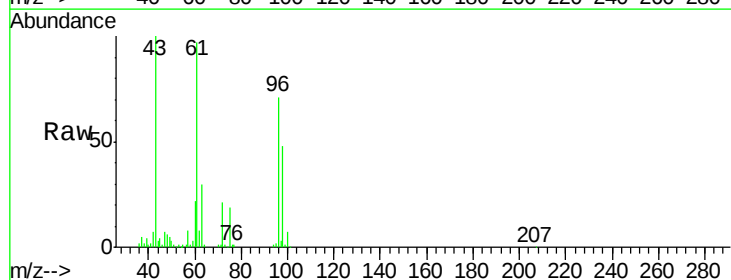
Acq: 26 Jun 2018 09:42

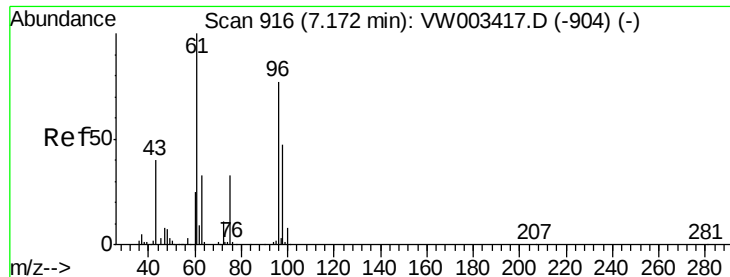
Tgt Ion: 43 Resp: 93603

Ion Ratio Lower Upper

43 100

72 24.7 12.5 37.5



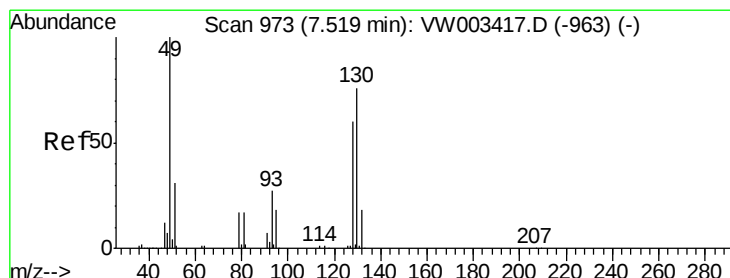
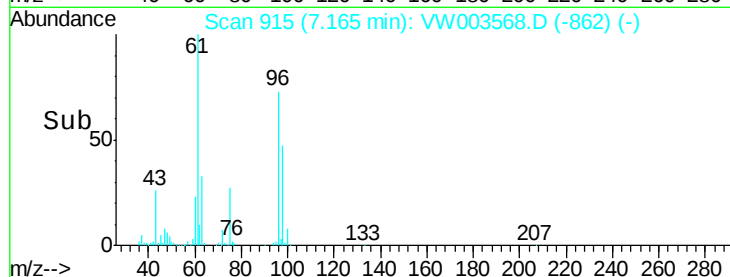
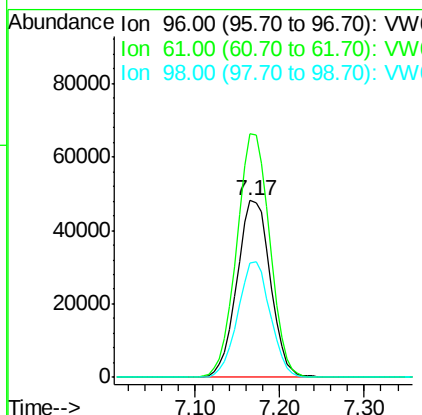
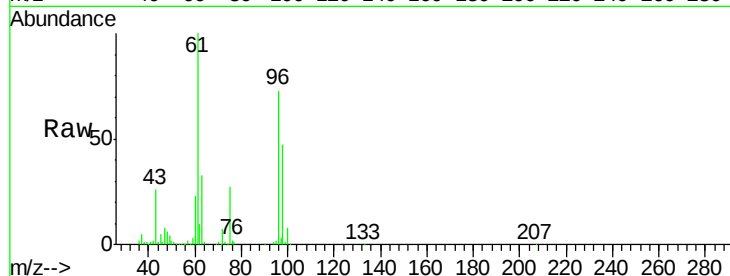


#22

cis-1,2-Dichloroethene
 Concen: 27.581 ug/L
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW003568.D
 Acq: 26 Jun 2018 09:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

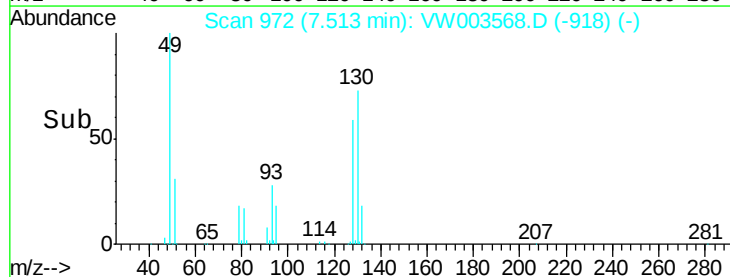
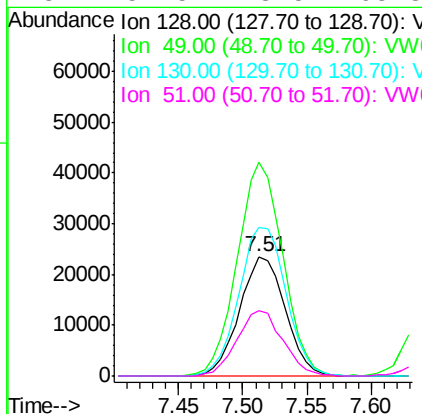
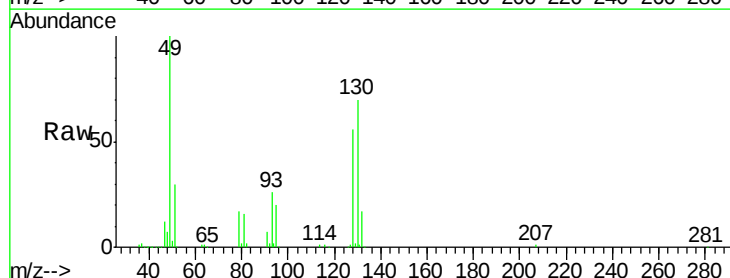
Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.6	97.7	181.5
98	64.5	45.0	83.6

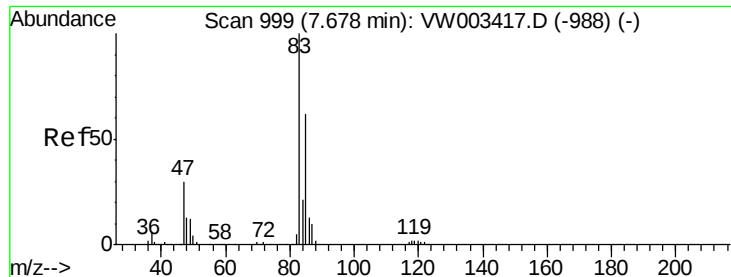


#23

Bromochloromethane
 Concen: 26.804 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW003568.D
 Acq: 26 Jun 2018 09:42

Tgt Ion	Ratio	Lower	Upper
128	100		
49	179.0	122.0	226.6
130	125.0	88.1	163.5
51	54.5	43.5	65.3





#25

Chloroform

Concen: 27.643 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

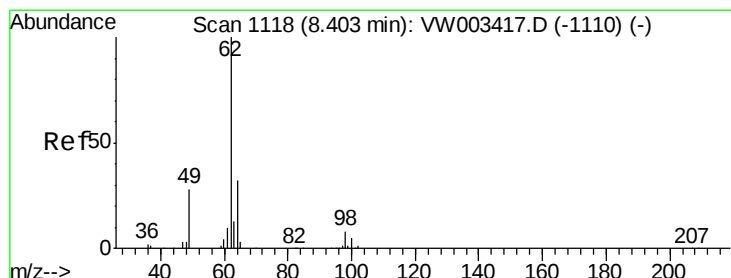
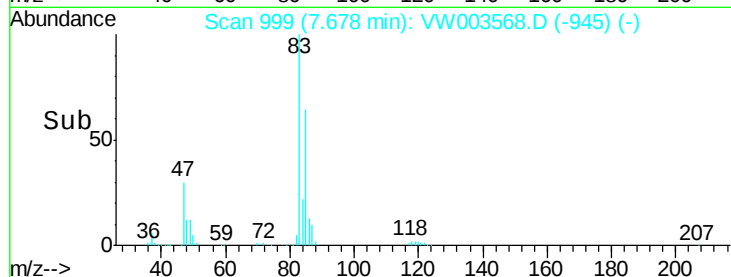
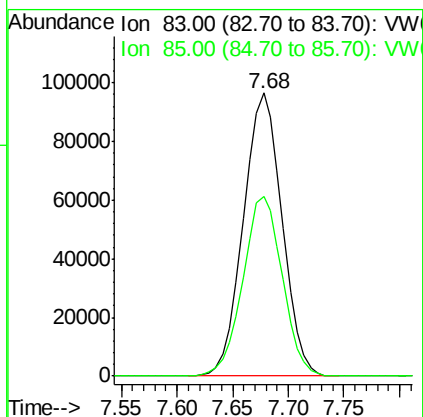
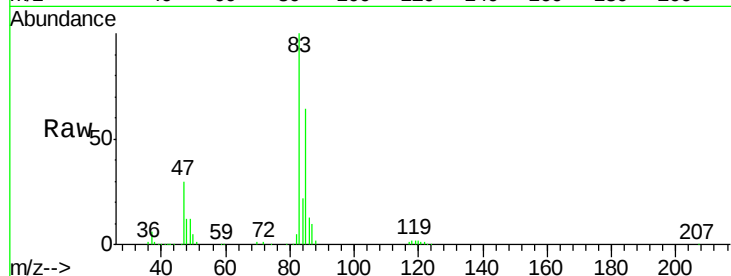
VSTD02582

Tgt Ion: 83 Resp: 233492

Ion Ratio Lower Upper

83 100

85 64.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 27.388 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003568.D

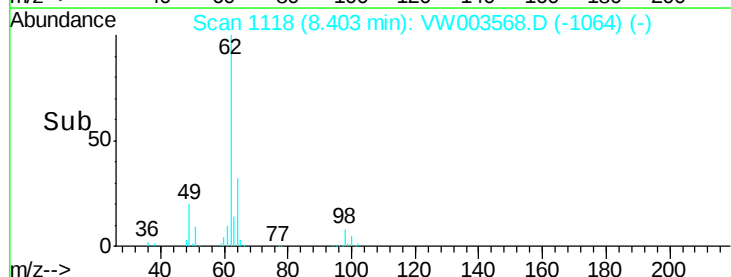
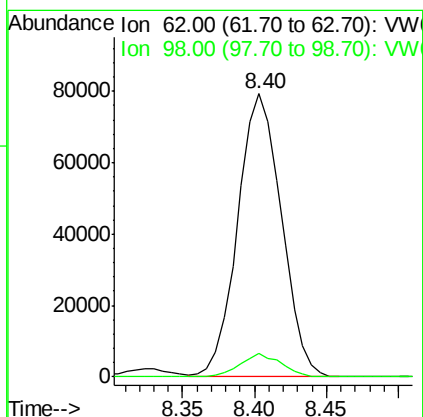
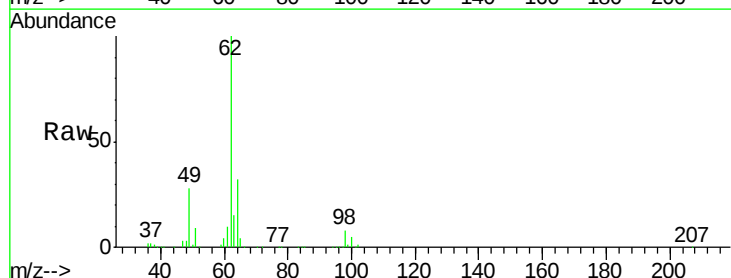
Acq: 26 Jun 2018 09:42

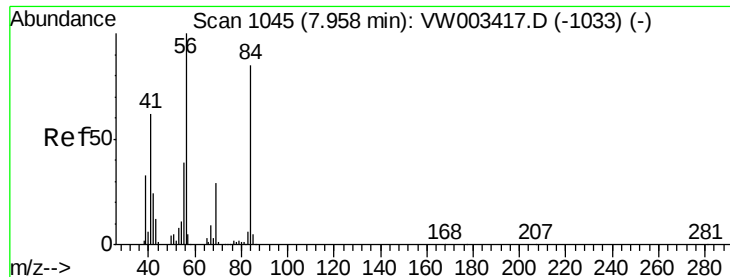
Tgt Ion: 62 Resp: 167523

Ion Ratio Lower Upper

62 100

98 8.2 6.5 9.7

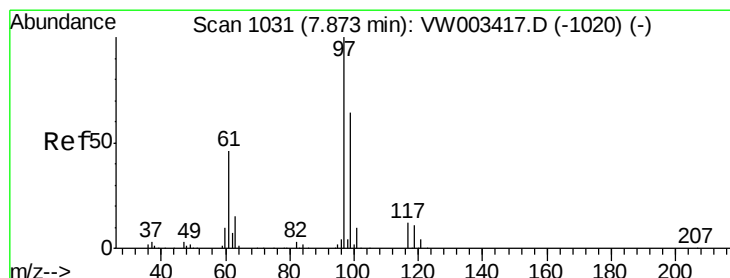
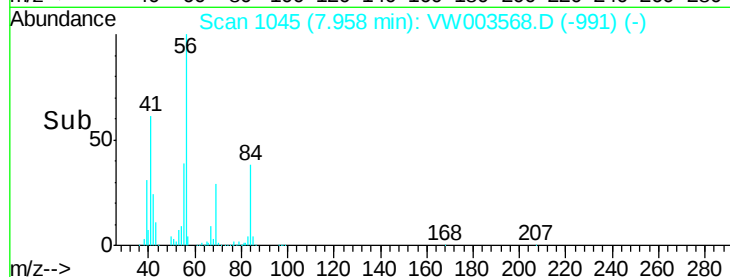
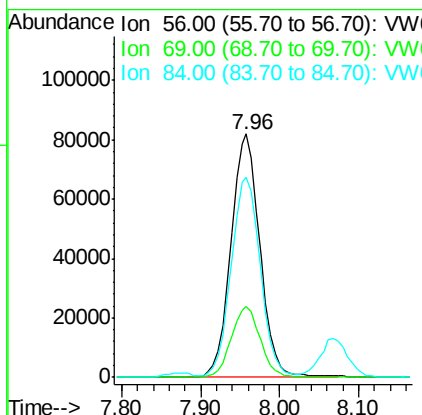
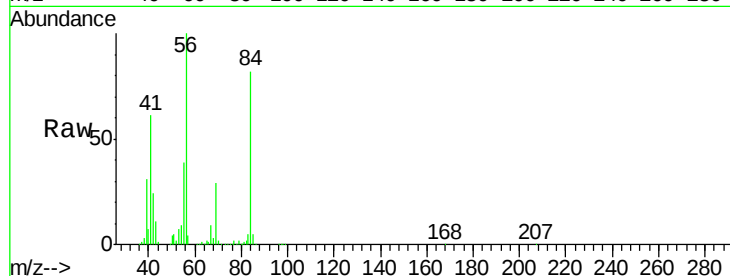




#30
Cyclohexane
Concen: 28.642 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

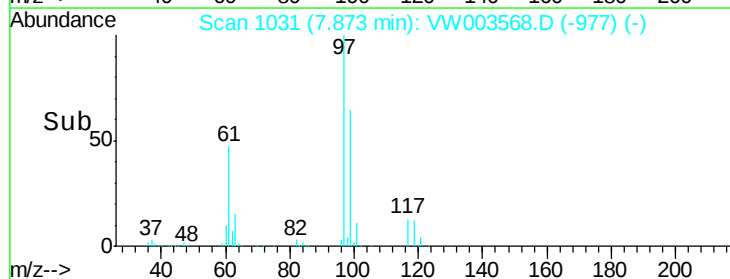
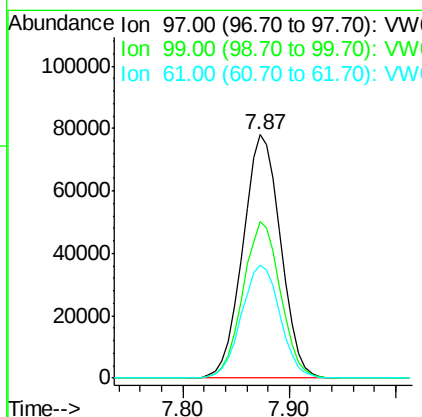
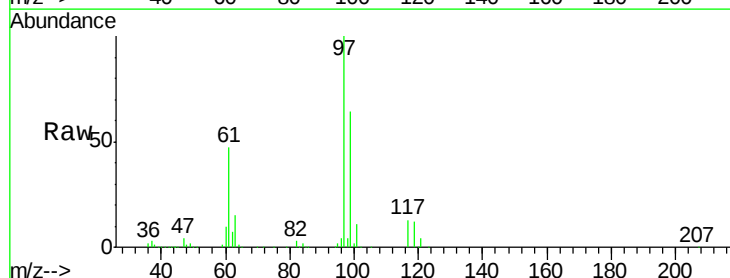
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

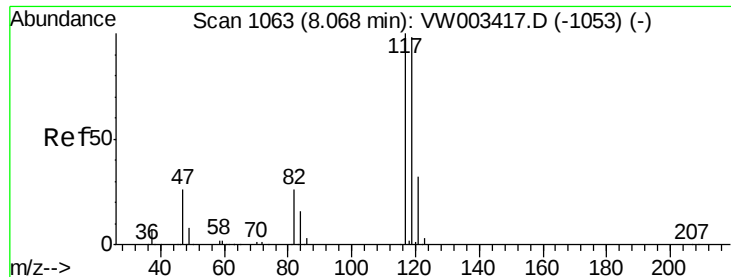
Tgt Ion: 56 Resp: 208966
Ion Ratio Lower Upper
56 100
69 29.1 23.4 35.2
84 83.1 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 28.022 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

Tgt Ion: 97 Resp: 194548
Ion Ratio Lower Upper
97 100
99 64.0 50.9 76.3
61 47.6 37.7 56.5





#32

Carbon tetrachloride

Concen: 27.643 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

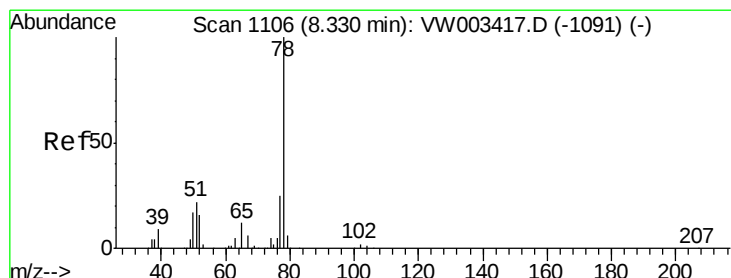
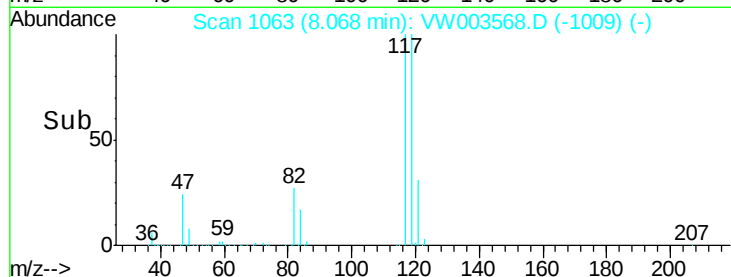
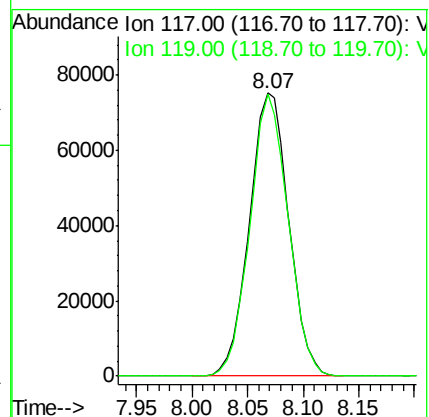
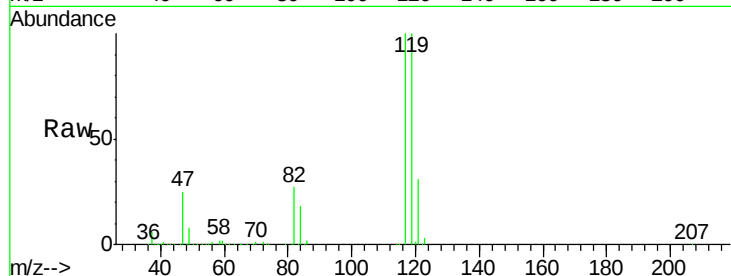
VSTD02582

Tgt Ion:117 Resp: 185409

Ion Ratio Lower Upper

117 100

119 96.5 76.6 114.8



#34

Benzene

Concen: 27.788 ug/L

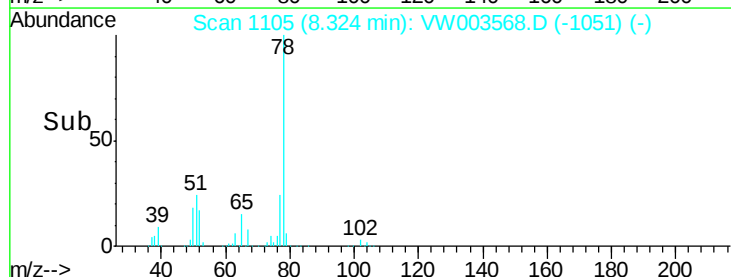
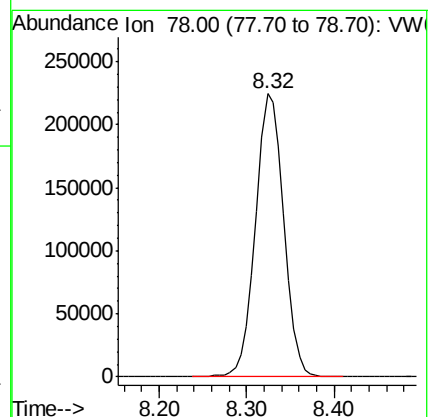
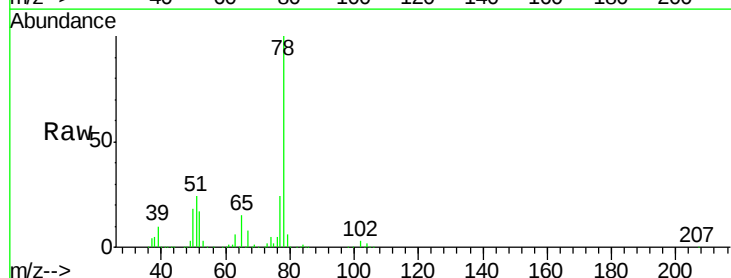
RT: 8.32 min Scan# 1105

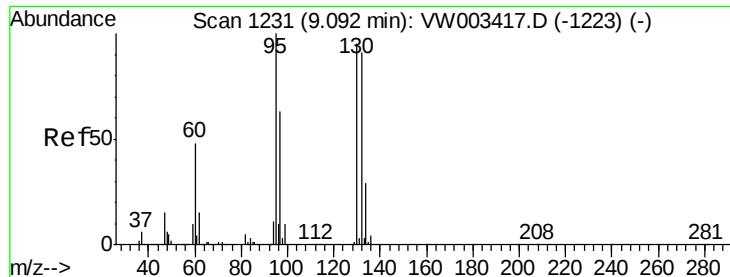
Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Tgt Ion: 78 Resp: 500739





#35

Trichloroethene

Concen: 27.607 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

Tgt Ion: 95 Resp: 134081

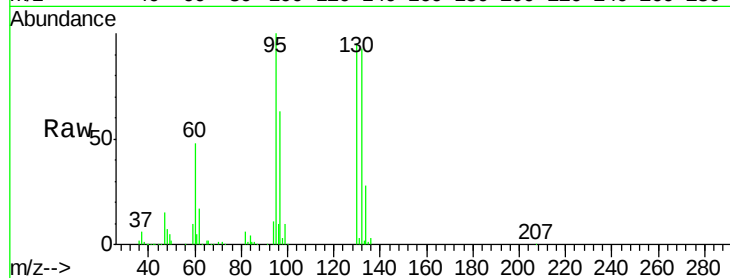
Ion Ratio Lower Upper

95 100

97 63.7 45.6 84.6

132 94.1 67.8 125.8

130 98.5 70.6 131.0

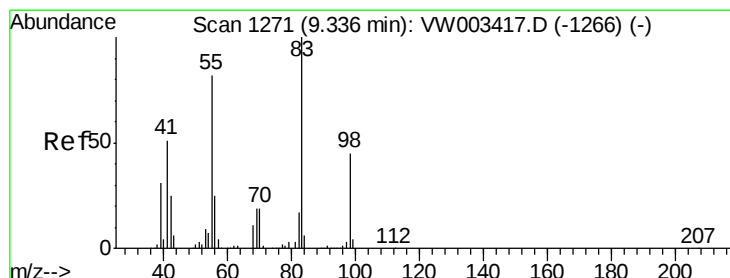
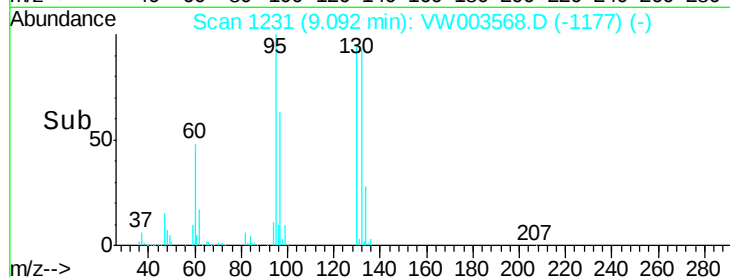
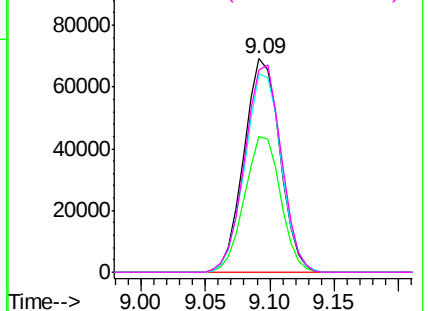


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 28.337 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

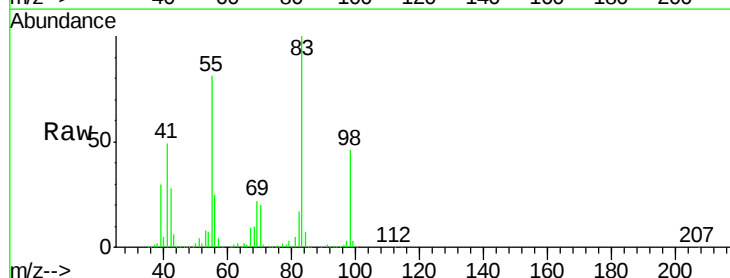
Tgt Ion: 83 Resp: 234954

Ion Ratio Lower Upper

83 100

55 79.6 63.9 95.9

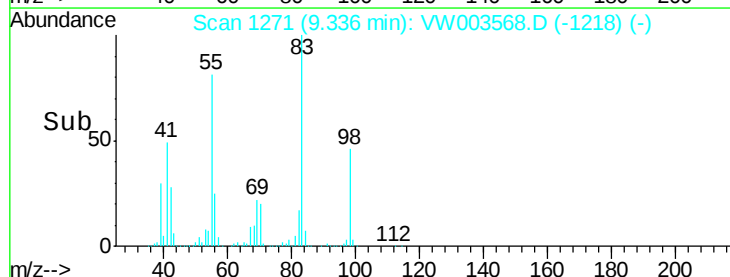
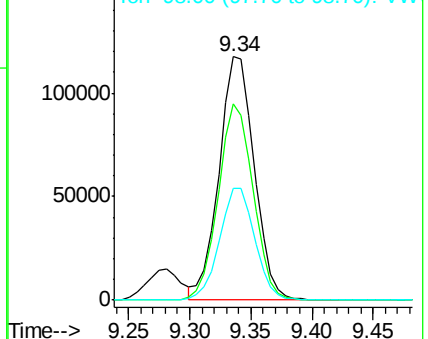
98 45.9 37.1 55.7

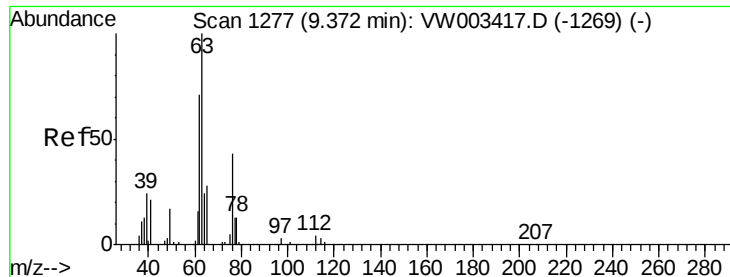


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.884 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

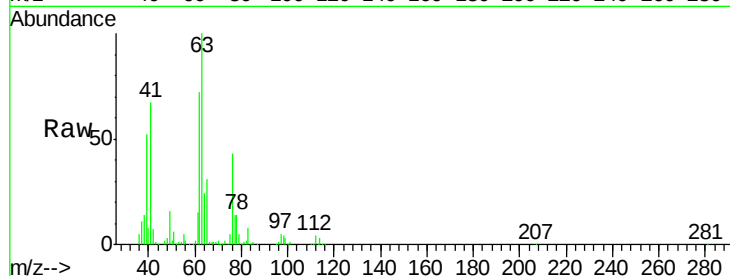
VSTD02582

Tgt Ion: 63 Resp: 132229

Ion Ratio Lower Upper

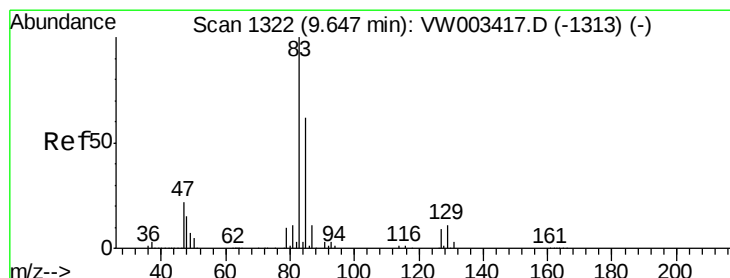
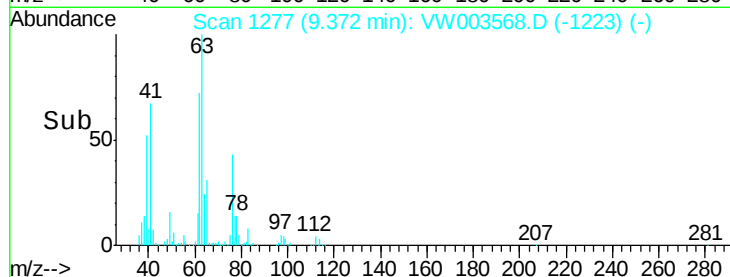
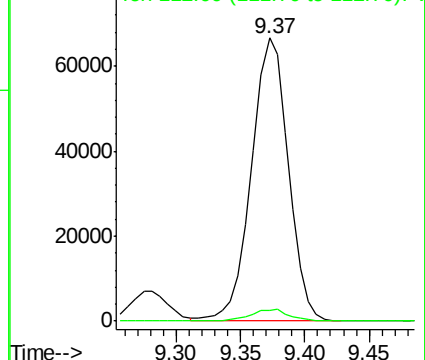
63 100

112 4.2 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 27.618 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

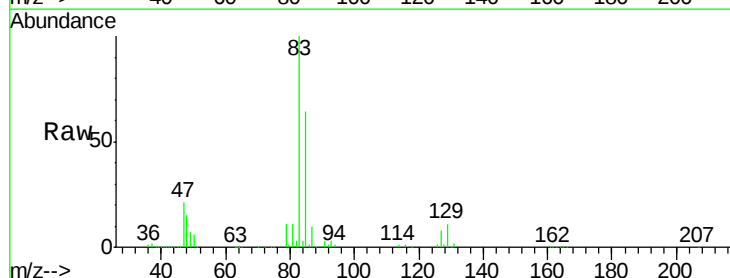
Tgt Ion: 83 Resp: 168337

Ion Ratio Lower Upper

83 100

85 64.0 44.7 83.1

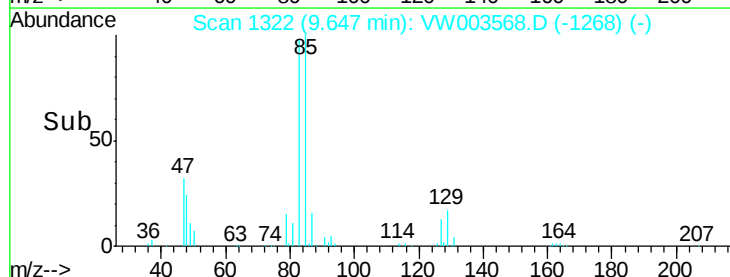
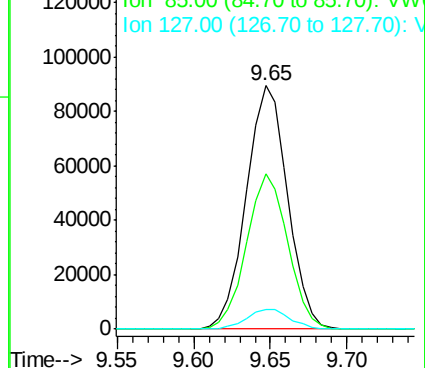
127 8.2 6.2 9.2

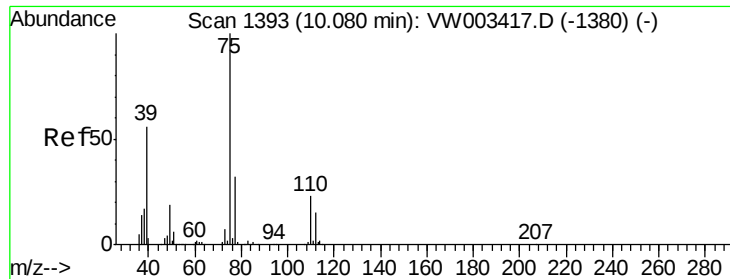


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 28.000 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

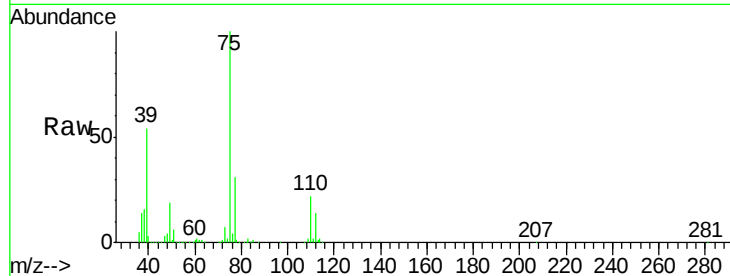
VSTD02582

Tgt Ion: 75 Resp: 198162

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

120000

100000

80000

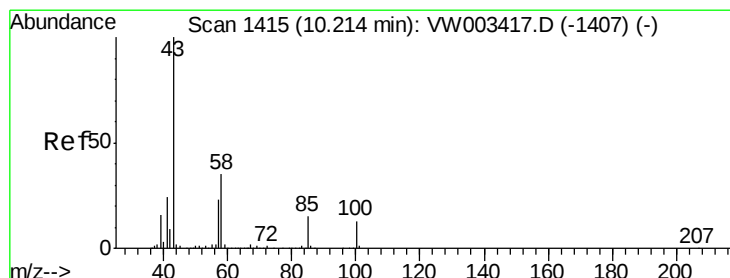
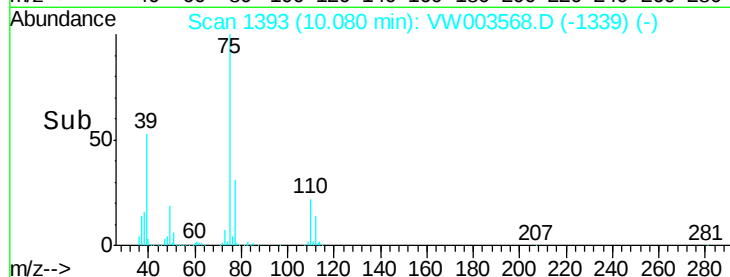
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 55.169 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

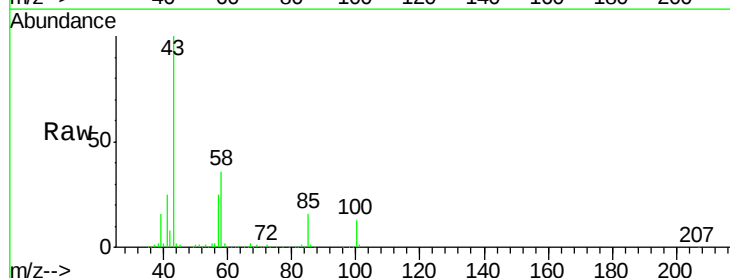
Tgt Ion: 43 Resp: 186902

Ion Ratio Lower Upper

43 100

58 36.0 28.7 43.1

100 13.3 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

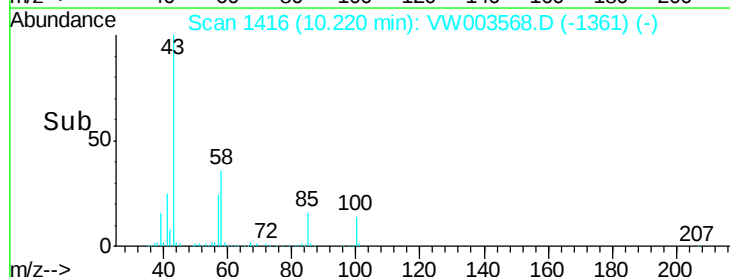
150000

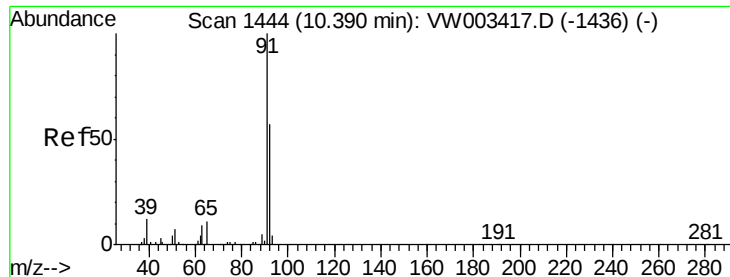
100000

50000

0

Time-->





#44

Toluene

Concen: 28.173 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

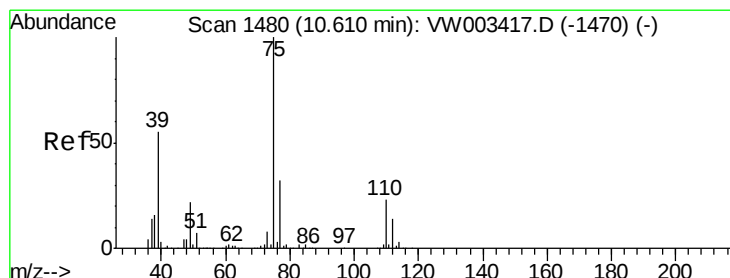
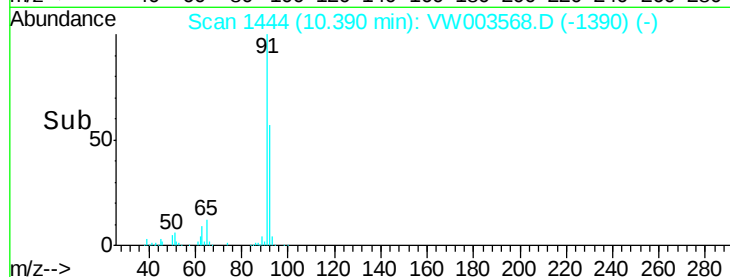
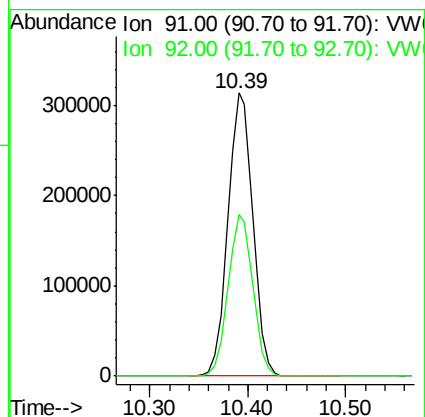
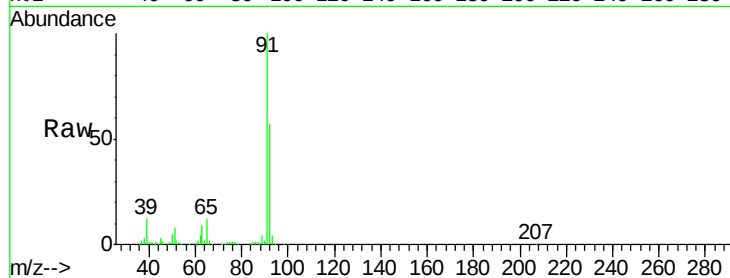
VSTD02582

Tgt Ion: 91 Resp: 550589

Ion Ratio Lower Upper

91 100

92 57.0 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 28.100 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003568.D

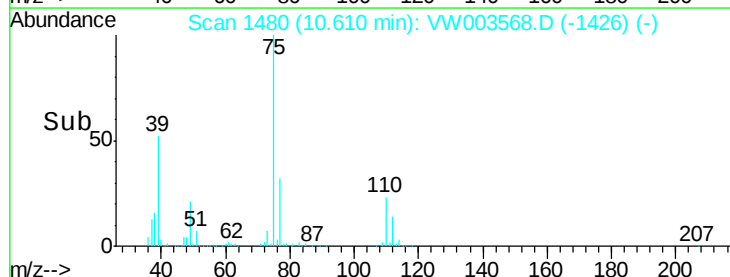
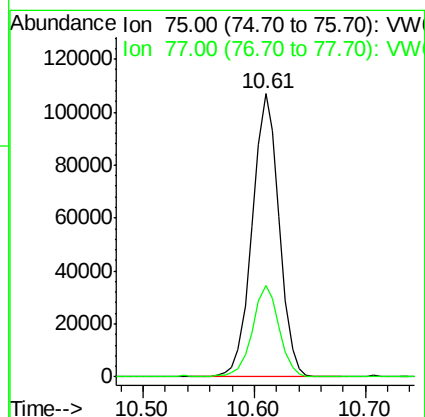
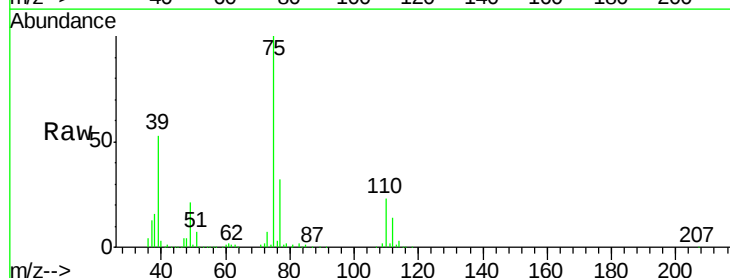
Acq: 26 Jun 2018 09:42

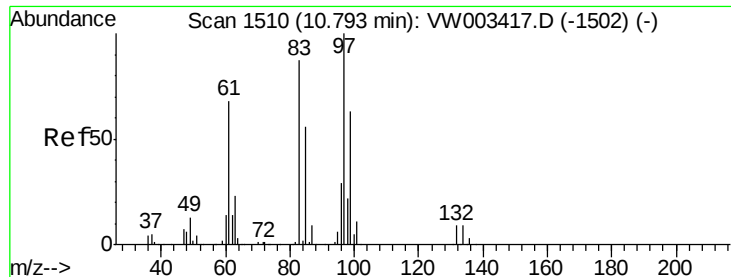
Tgt Ion: 75 Resp: 179956

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6

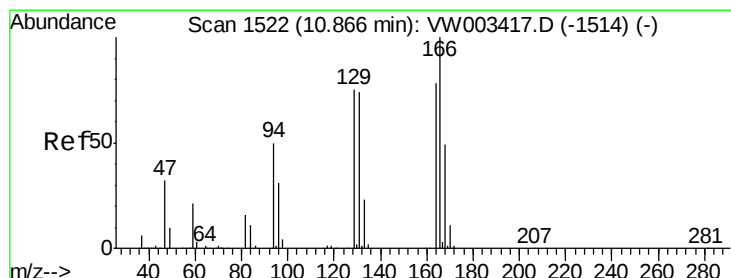
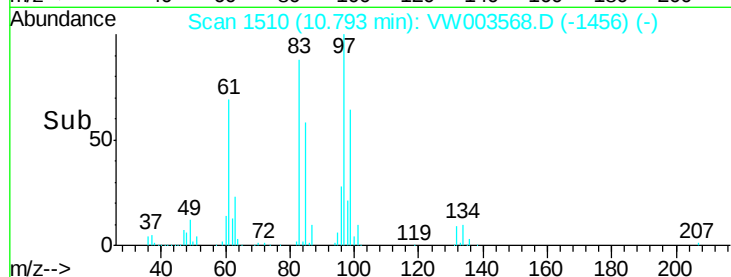
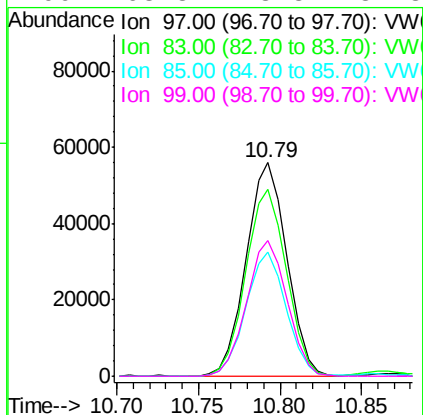
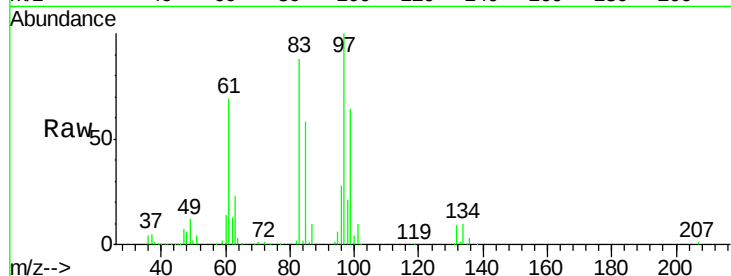




#46
1,1,2-Trichloroethane
Concen: 27.430 ug/L
RT: 10.79 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

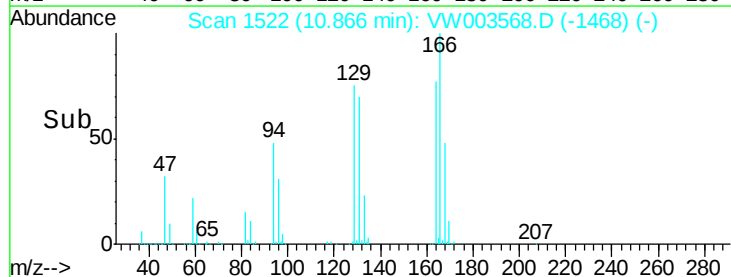
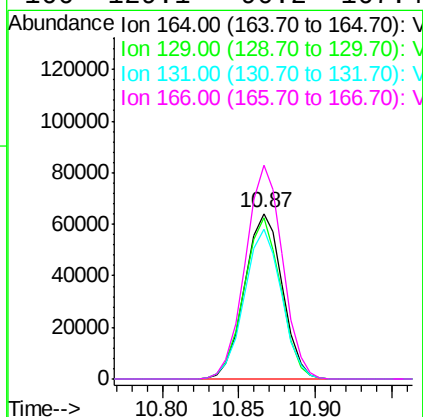
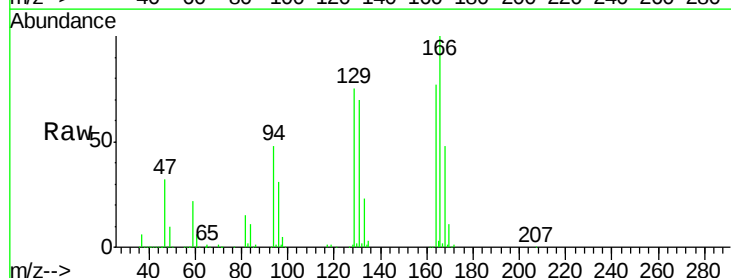
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

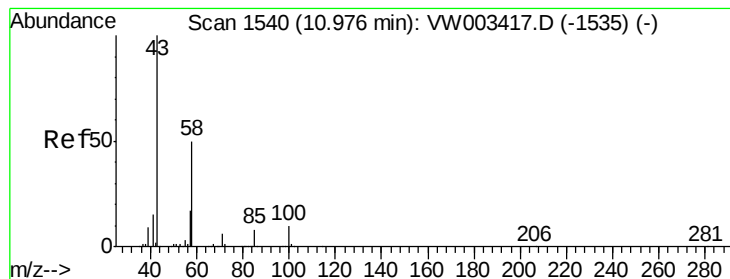
Tgt Ion:	97	Resp:	97106
Ion	Ratio	Lower	Upper
97	100		
83	87.8	58.8	109.2
85	58.1	38.8	72.0
99	63.8	43.8	81.3



#47
Tetrachloroethene
Concen: 27.016 ug/L
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

Tgt Ion:	164	Resp:	110262
Ion	Ratio	Lower	Upper
164	100		
129	97.4	67.3	124.9
131	90.5	63.8	118.4
166	129.1	90.2	167.4





#49

2-Hexanone

Concen: 58.542 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampled :

VSTD02582

Tgt Ion: 43 Resp: 147795

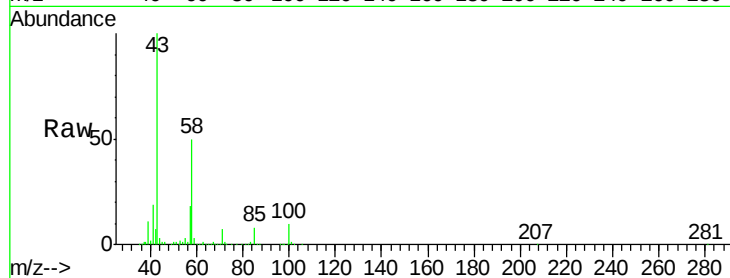
Ion Ratio Lower Upper

43 100

58 51.2 40.4 60.6

57 18.1 14.6 21.8

100 10.4 8.6 12.8

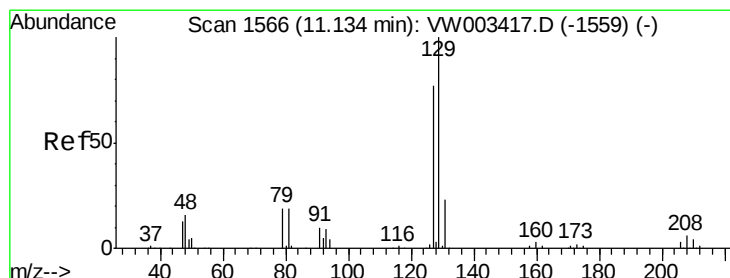
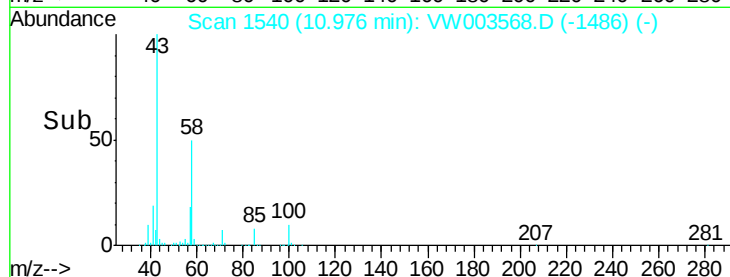
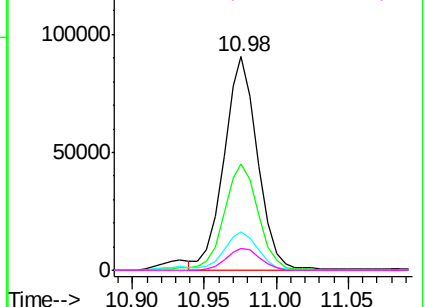


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.345 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW003568.D

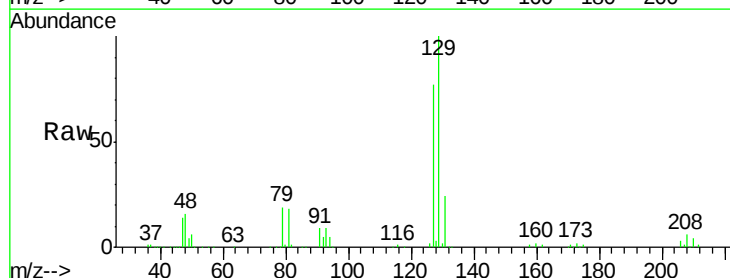
Acq: 26 Jun 2018 09:42

Tgt Ion: 129 Resp: 117848

Ion Ratio Lower Upper

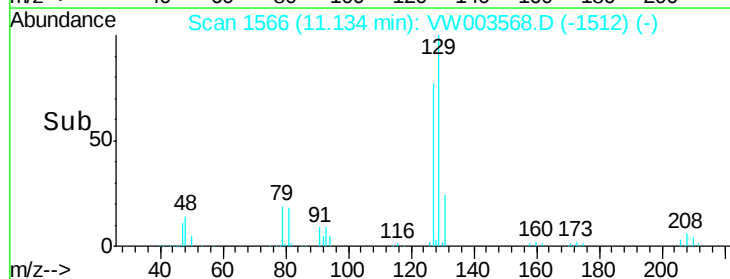
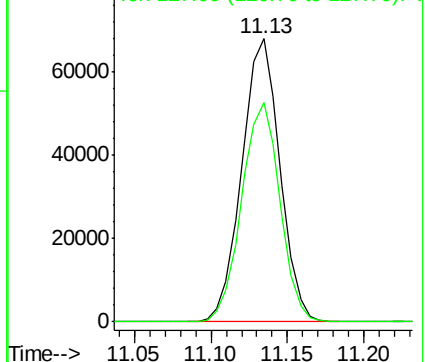
129 100

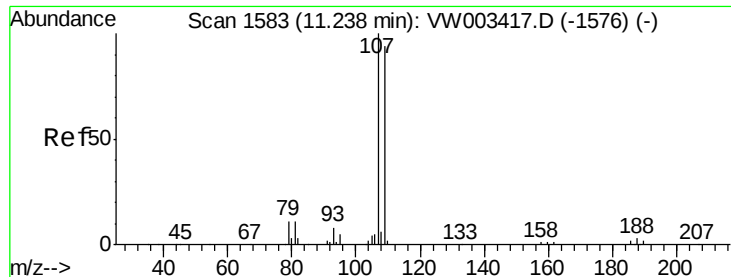
127 77.4 56.0 104.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

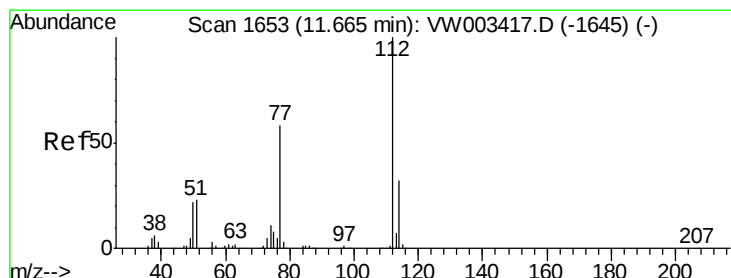
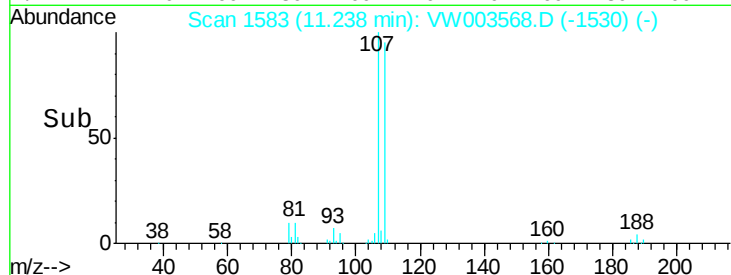
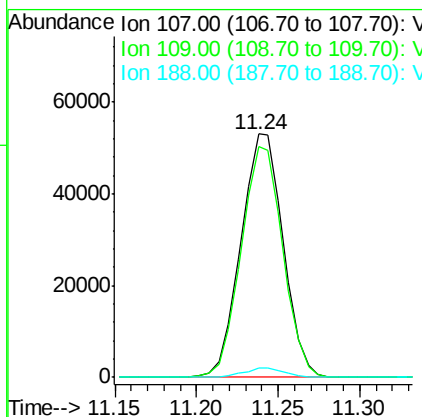
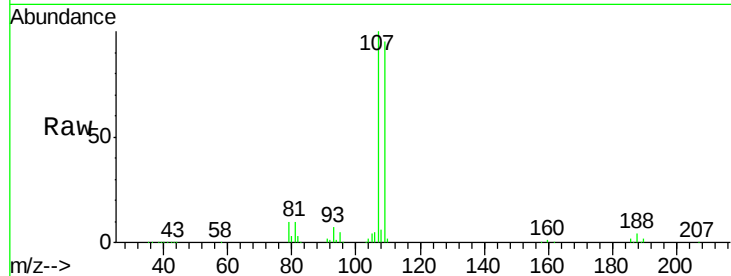




#51
1,2-Dibromoethane
Concen: 27.081 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

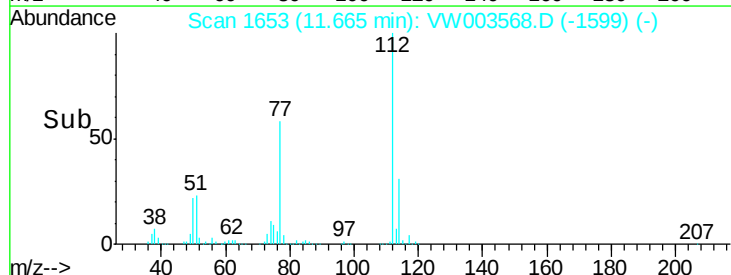
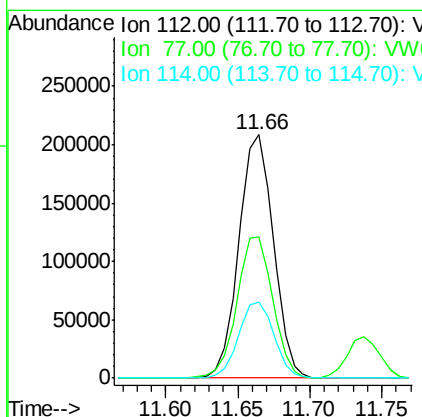
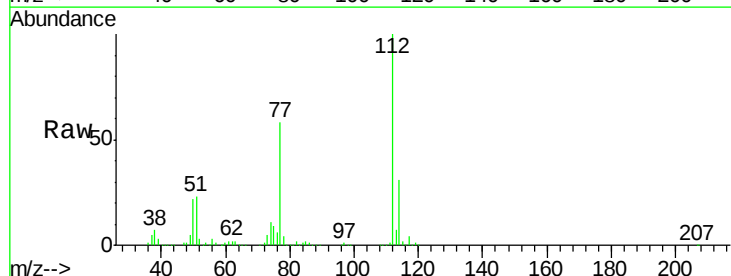
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

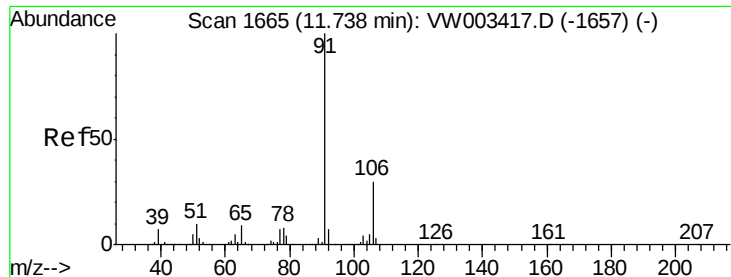
Tgt Ion:107 Resp: 95267
Ion Ratio Lower Upper
107 100
109 95.0 64.5 119.9
188 3.9 2.8 4.2



#52
Chlorobenzene
Concen: 27.426 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

Tgt Ion:112 Resp: 348050
Ion Ratio Lower Upper
112 100
77 58.0 47.3 70.9
114 31.4 22.2 41.2





#53

Ethylbenzene

Concen: 28.889 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

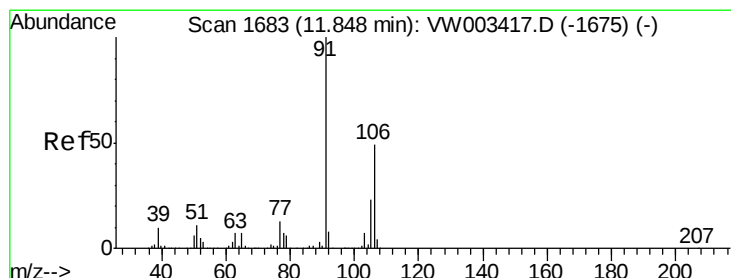
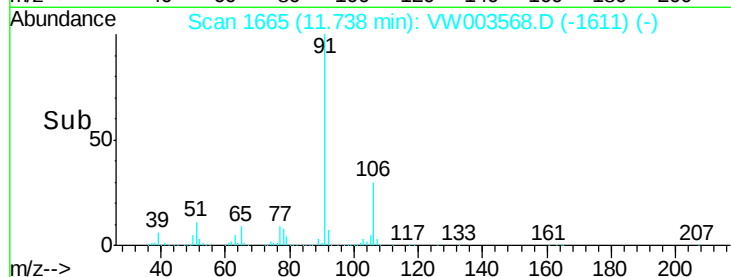
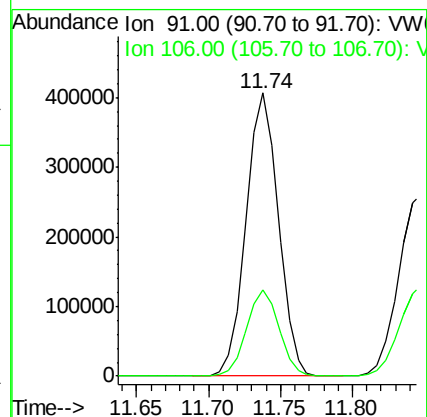
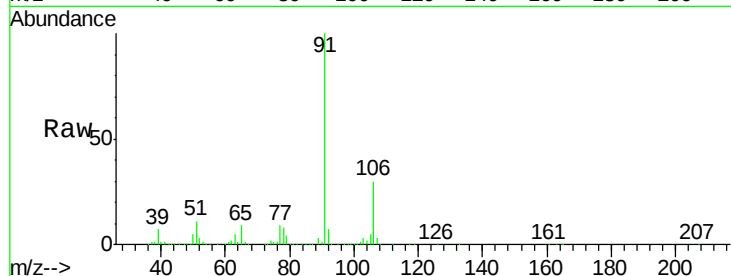
VSTD02582

Tgt Ion: 91 Resp: 633249

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.4



#54

m,p-Xylene

Concen: 28.993 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003568.D

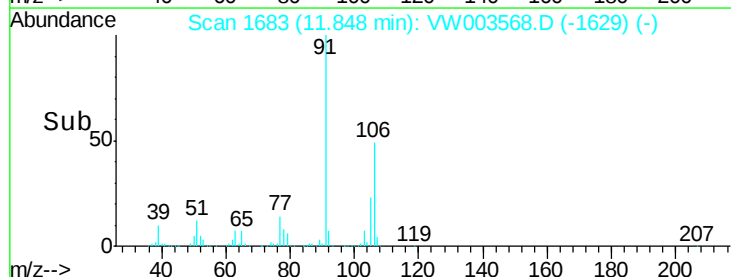
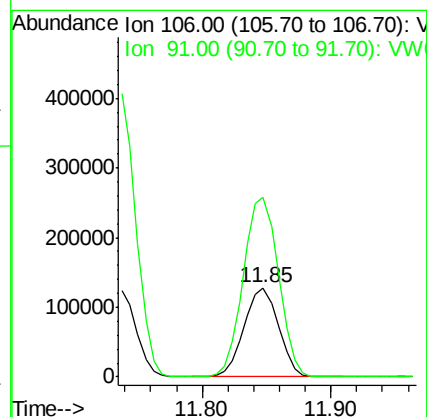
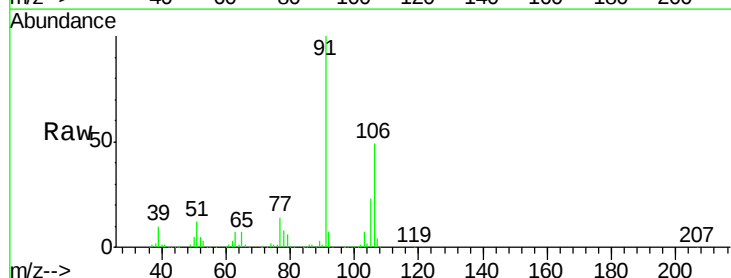
Acq: 26 Jun 2018 09:42

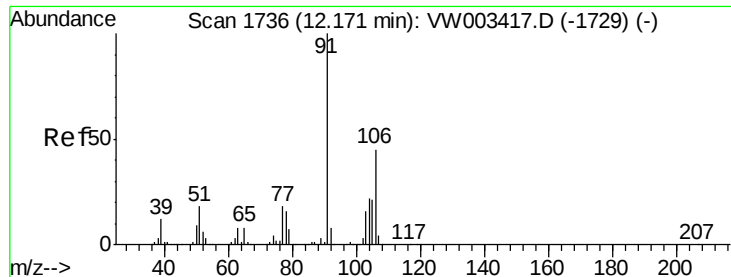
Tgt Ion: 106 Resp: 236044

Ion Ratio Lower Upper

106 100

91 203.0 146.4 271.8

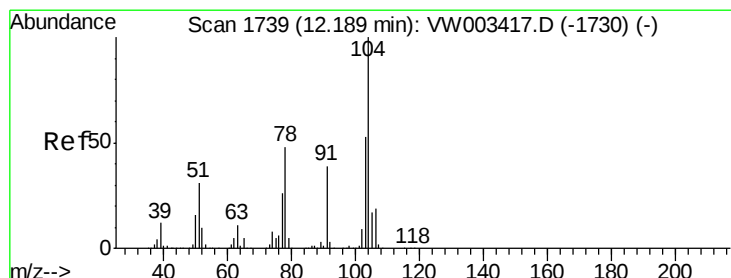
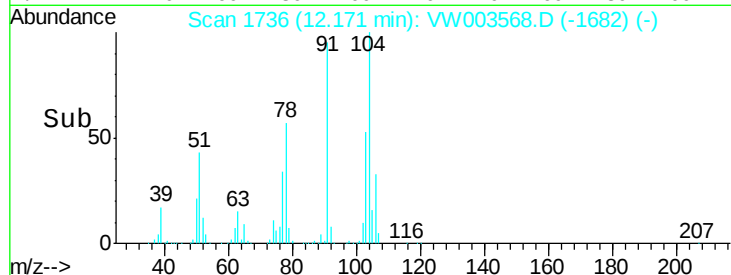
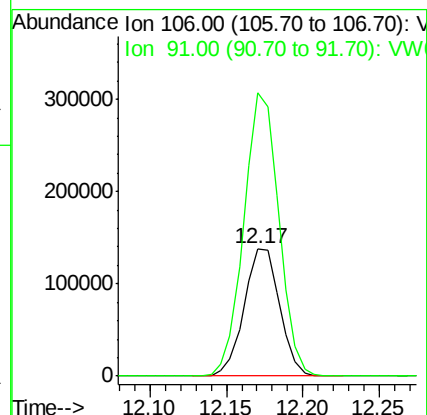
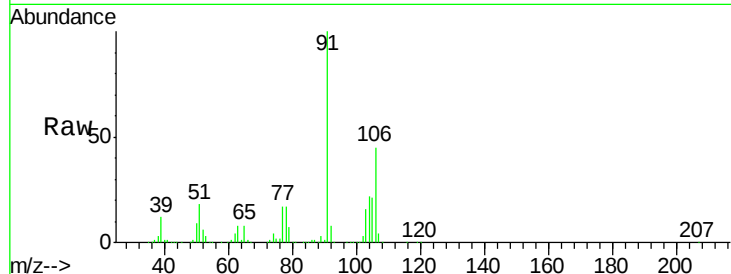




#55
o-xylene
Concen: 28.944 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

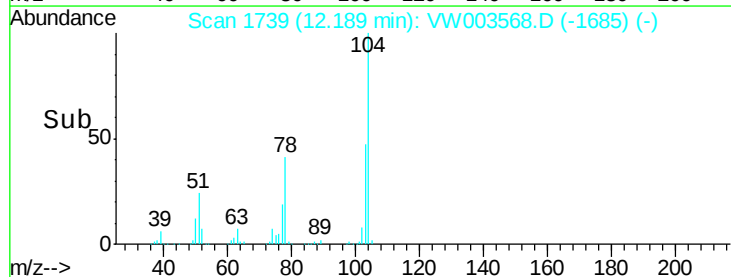
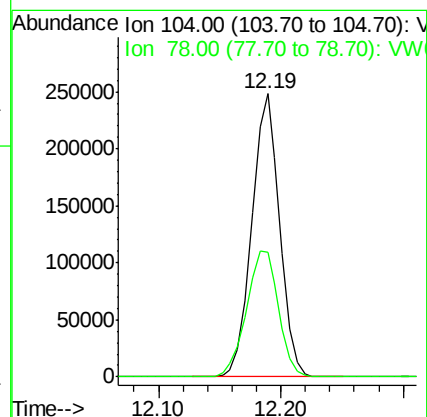
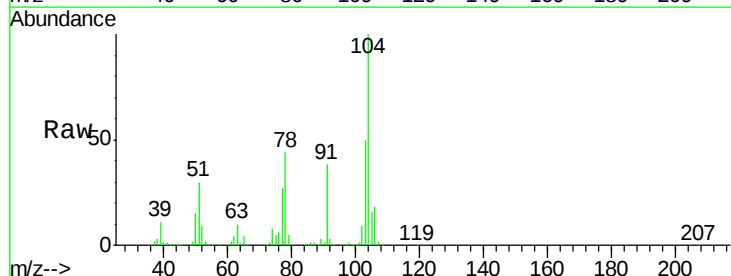
Instrument :
MSVOA_W
ClientSampleId :
VSTD02582

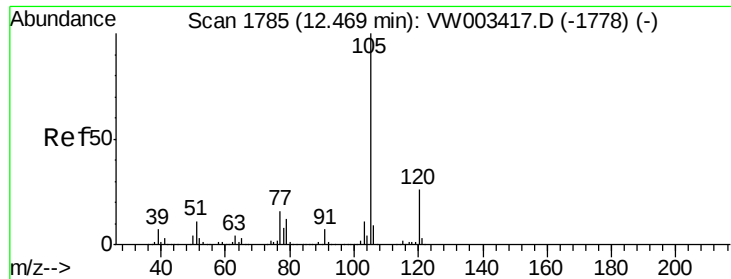
Tgt Ion:106 Resp: 224145
Ion Ratio Lower Upper
106 100
91 221.8 153.4 285.0



#56
Styrene
Concen: 29.326 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003568.D
Acq: 26 Jun 2018 09:42

Tgt Ion:104 Resp: 392094
Ion Ratio Lower Upper
104 100
78 44.2 32.1 59.7





#57

Isopropylbenzene

Concen: 29.175 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

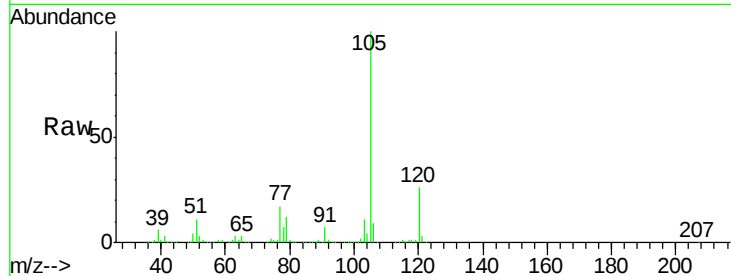
Tgt Ion: 105 Resp: 626863

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

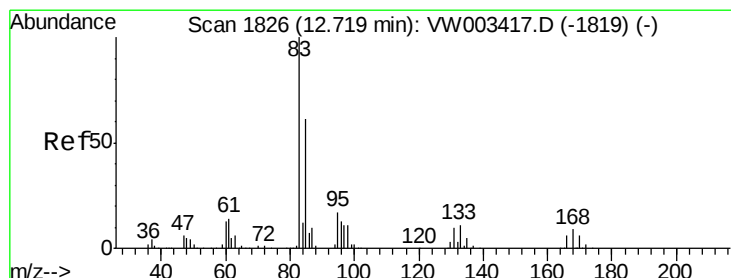
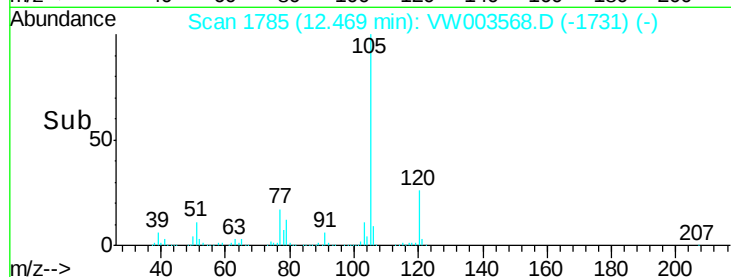
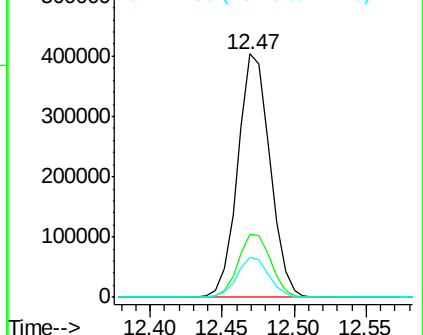
77 16.5 13.3 19.9



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: 27.774 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

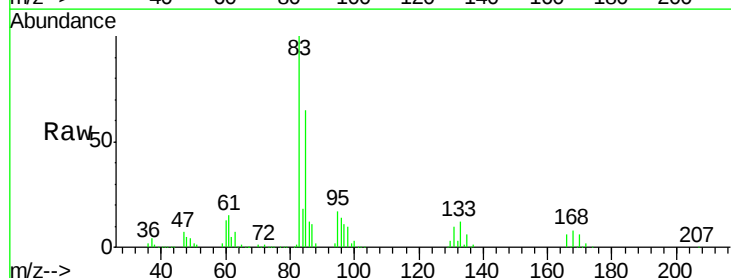
Tgt Ion: 83 Resp: 129617

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.9

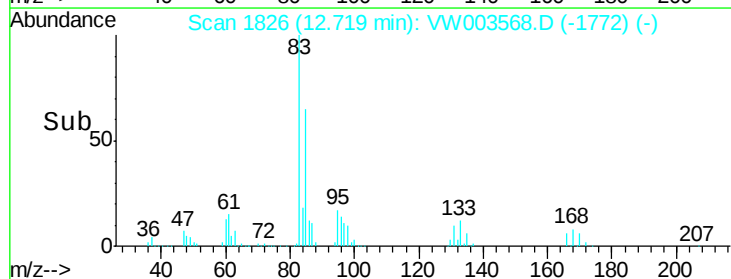
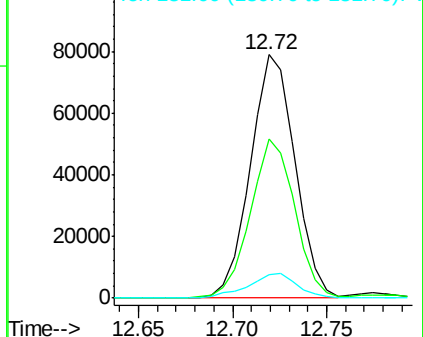
131 9.8 8.2 12.2

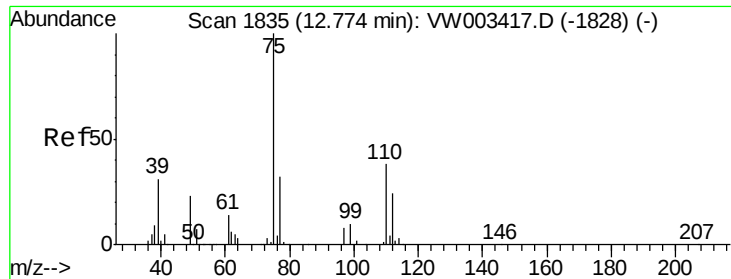


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.431 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

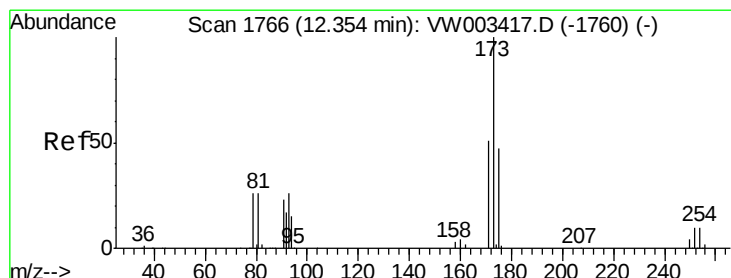
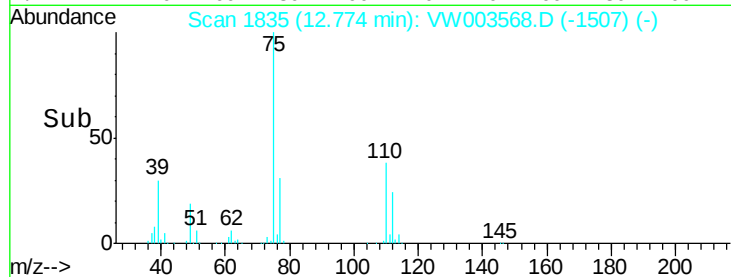
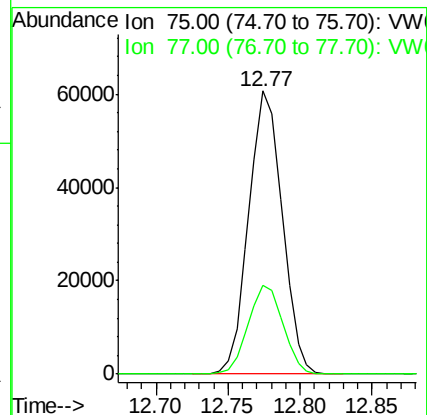
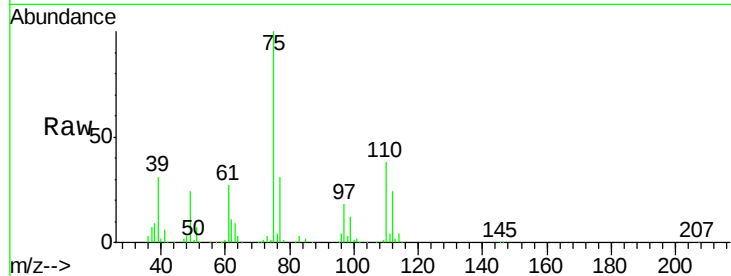
VSTD02582

Tgt Ion: 75 Resp: 98109

Ion Ratio Lower Upper

75 100

77 32.6 26.0 39.0



#62

Bromoform

Concen: 25.716 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

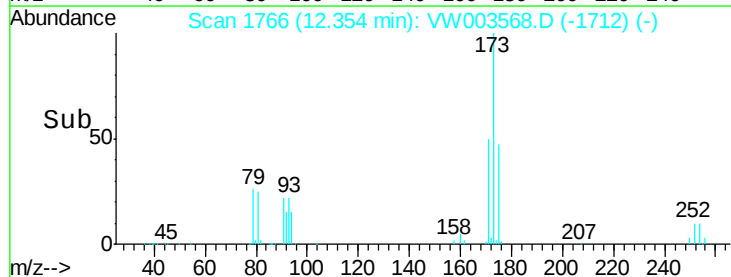
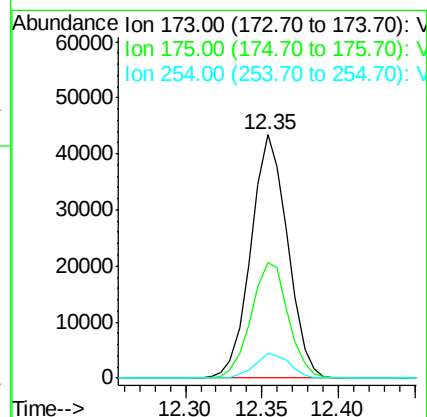
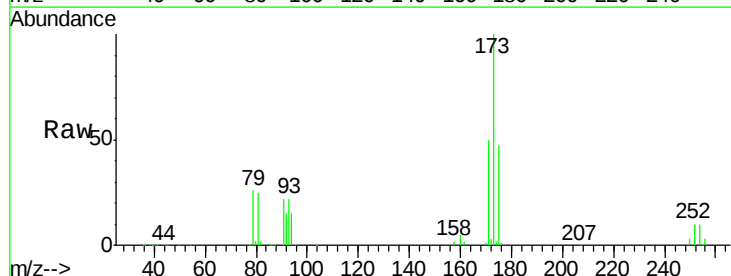
Tgt Ion: 173 Resp: 72293

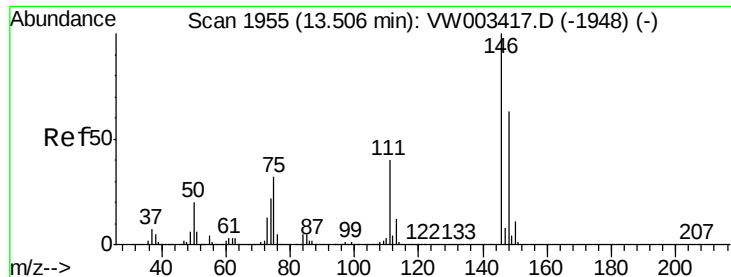
Ion Ratio Lower Upper

173 100

175 48.0 39.9 59.9

254 9.7 7.7 11.5





#63

1,3-Dichlorobenzene

Concen: 26.867 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

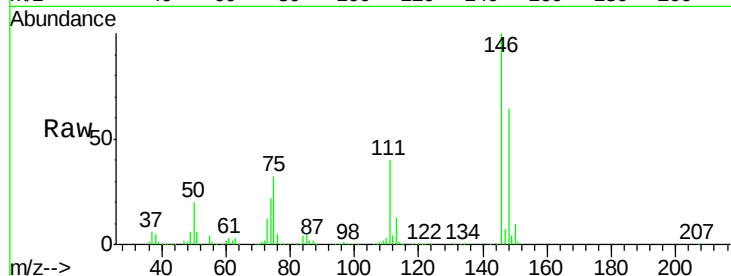
Tgt Ion:146 Resp: 275940

Ion Ratio Lower Upper

146 100

111 39.8 27.9 51.7

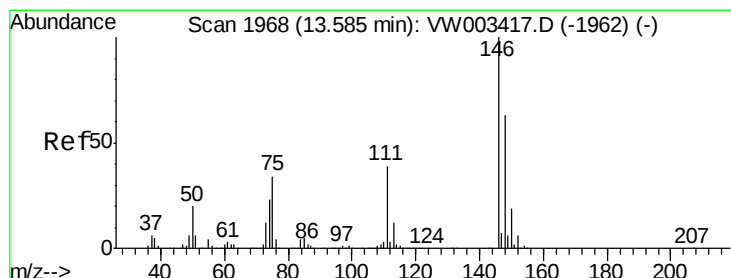
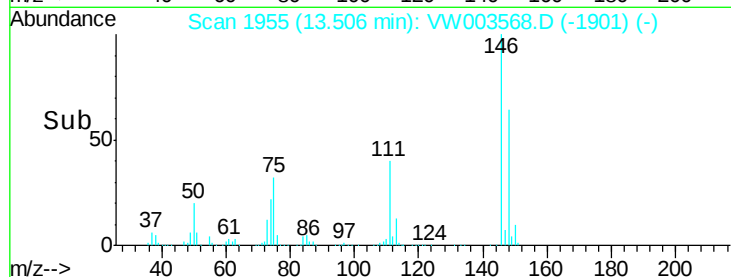
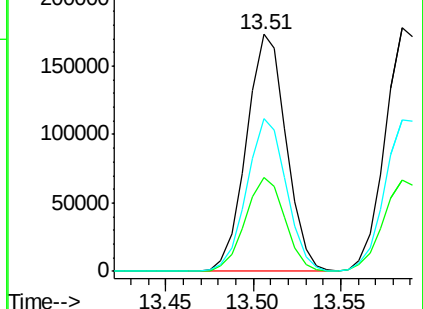
148 64.4 44.9 83.3



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: 26.804 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

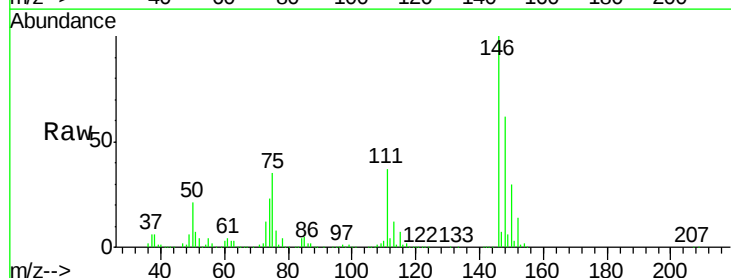
Tgt Ion:146 Resp: 288629

Ion Ratio Lower Upper

146 100

111 37.4 26.8 49.8

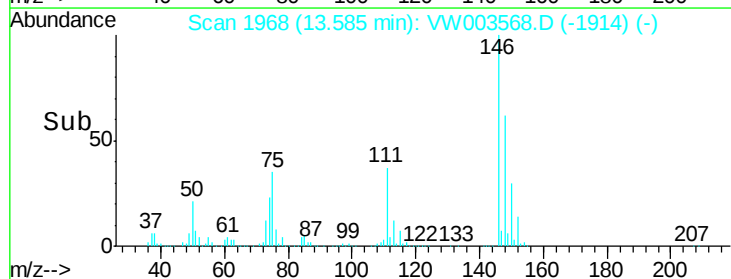
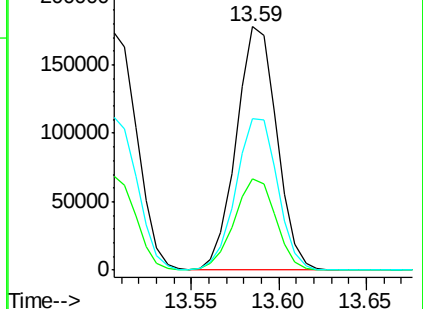
148 62.1 45.4 84.2

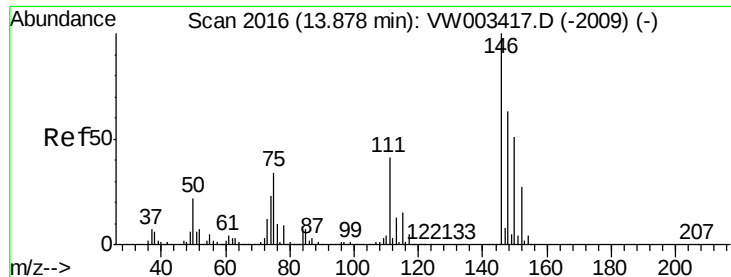


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 27.232 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

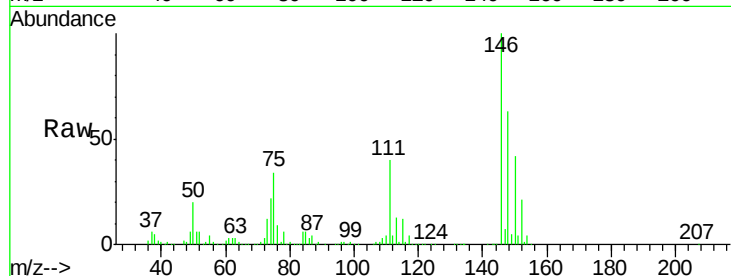
Tgt Ion:146 Resp: 267032

Ion Ratio Lower Upper

146 100

111 39.8 33.1 49.7

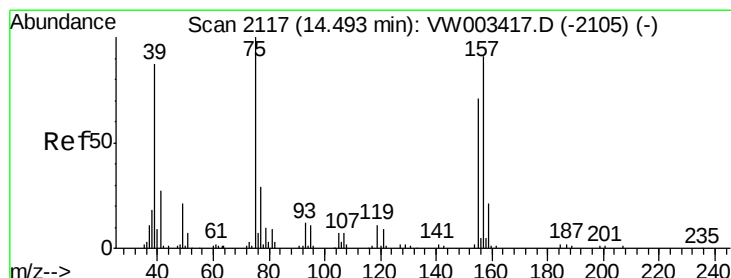
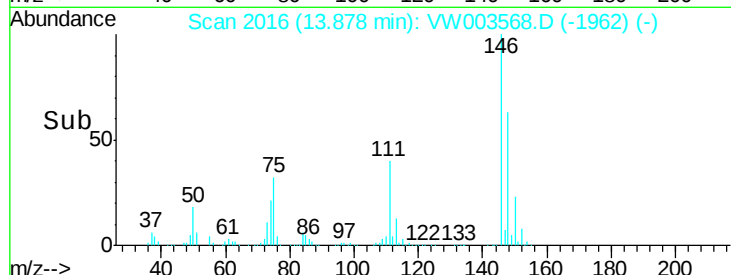
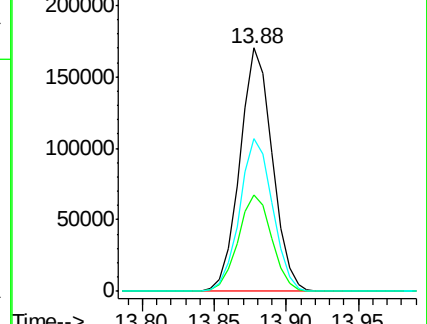
148 62.9 51.0 76.6



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: 25.628 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

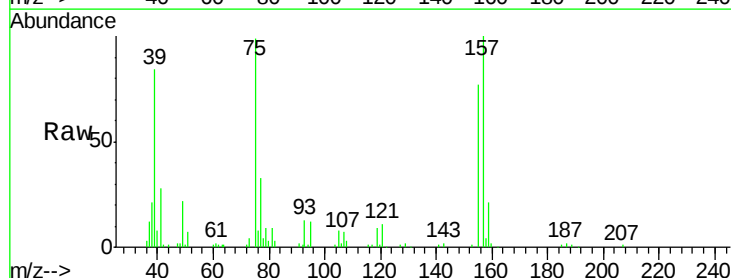
Tgt Ion: 75 Resp: 22054

Ion Ratio Lower Upper

75 100

157 100.9 70.7 106.1

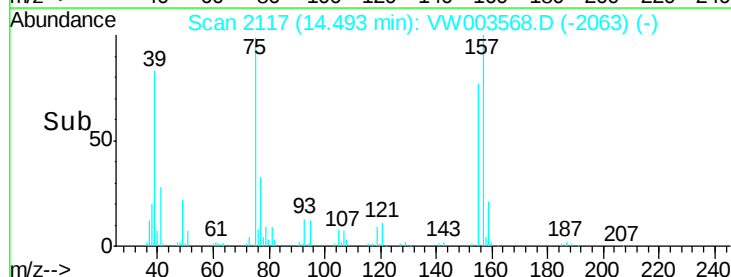
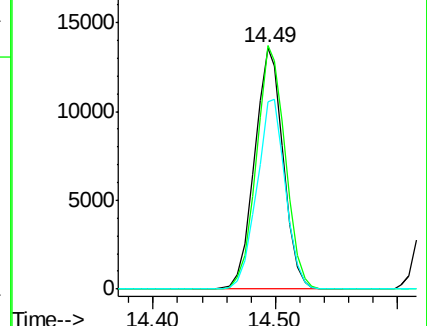
155 77.6 59.0 88.6

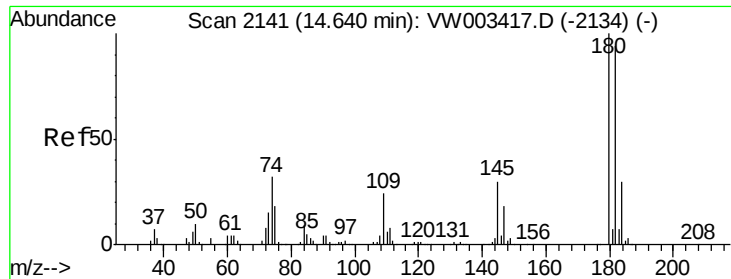


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

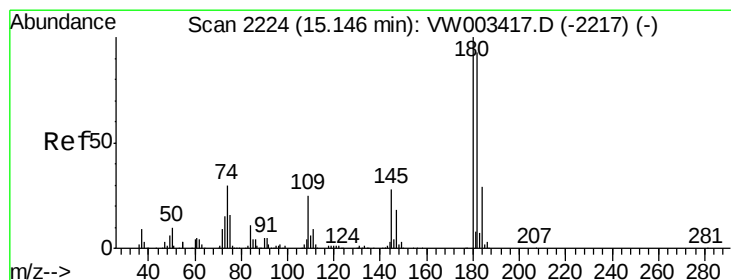
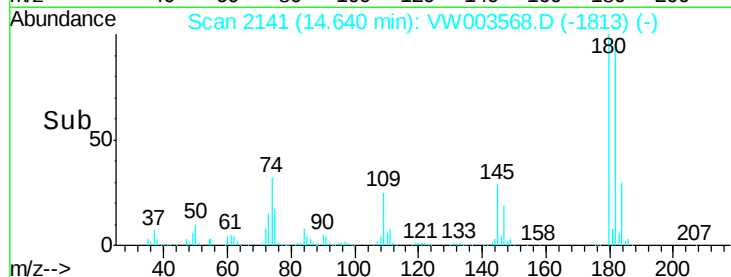
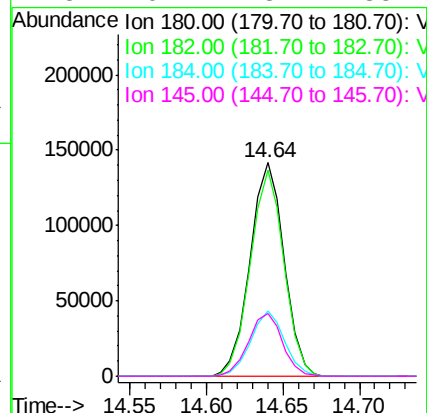
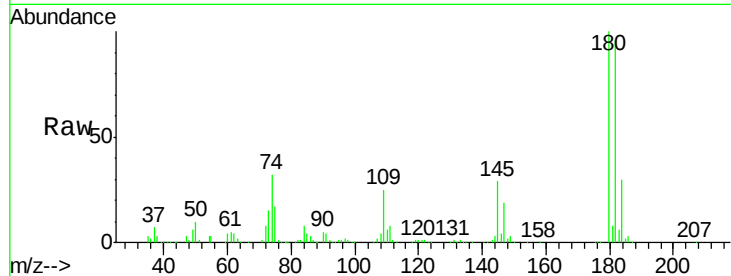




#67
 1,3,5-Trichlorobenzene
 Concen: 27.506 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003568.D
 Acq: 26 Jun 2018 09:42

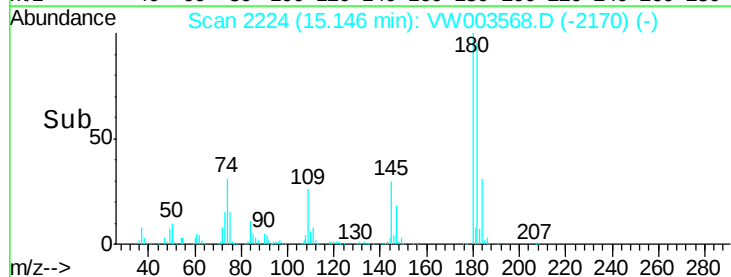
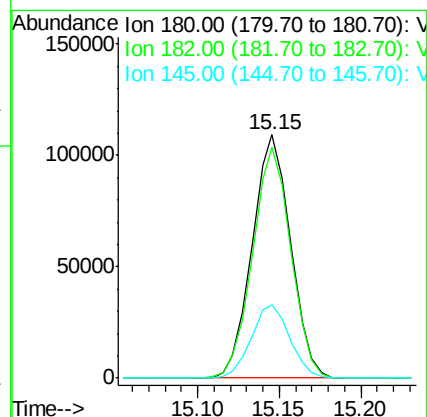
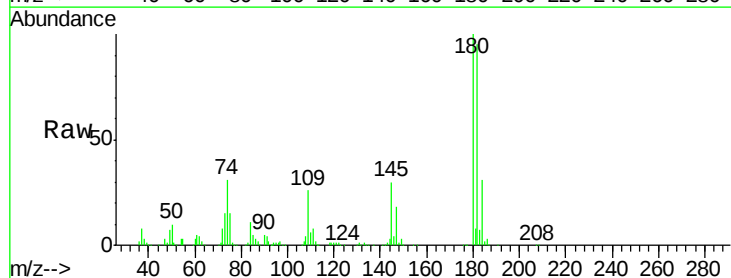
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

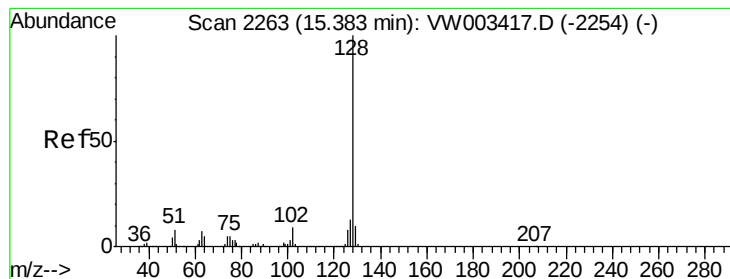
Tgt Ion:	180	Resp:	219527
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
184	30.2	24.5	36.7
145	29.2	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 27.570 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003568.D
 Acq: 26 Jun 2018 09:42

Tgt Ion:	180	Resp:	179129
Ion	Ratio	Lower	Upper
180	100		
182	94.5	74.8	112.2
145	30.2	23.6	35.4





#69

Naphthalene

Concen: 28.154 ug/L

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD02582

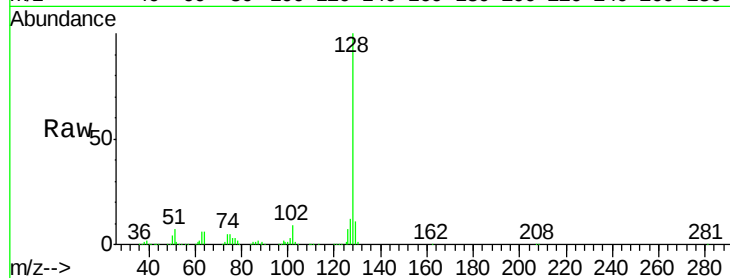
Tgt Ion:128 Resp: 342254

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

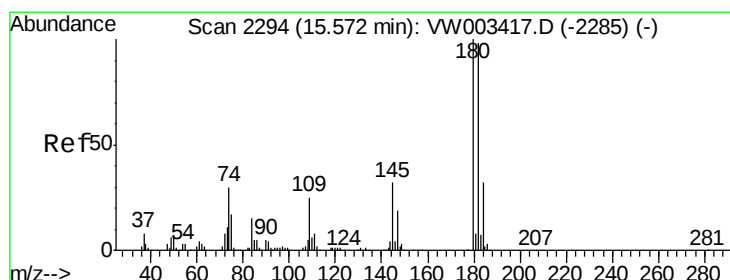
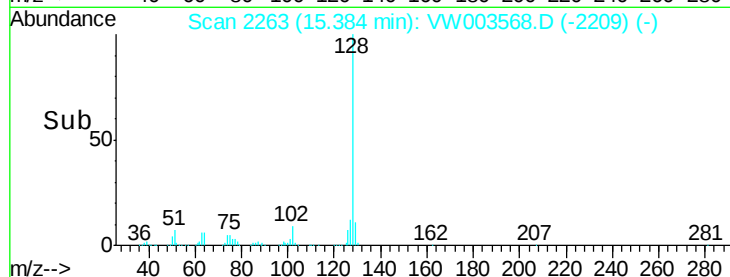
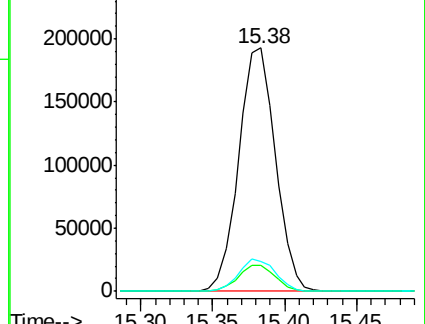
127 13.2 10.9 16.3



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: 28.045 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VW003568.D

Acq: 26 Jun 2018 09:42

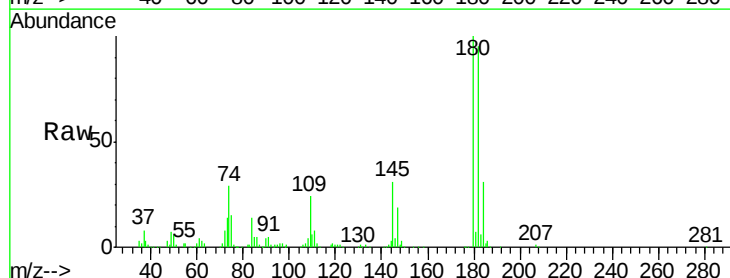
Tgt Ion:180 Resp: 167001

Ion Ratio Lower Upper

180 100

182 94.5 75.4 113.0

145 31.8 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

