

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
 Data File : VW003415.D
 Acq On : 22 Jun 2018 03:58
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

Quant Time: Jun 22 07:30:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 22 07:26:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	339592	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	327663	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	165244	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	94418	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.00%
7) Chloroethane-d5	2.89	69	85642	22.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.16%
10) 1,1-Dichloroethene-d2	4.01	63	197235	21.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.28%
20) 2-Butanone-d5	7.09	46	72277	49.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.60%
24) Chloroform-d	7.65	84	209049	23.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	8.31	65	128934	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.16%
29) Benzene-d6	8.27	84	390939	22.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.96%
33) 1,2-Dichloropropane-d6	9.28	67	125861	22.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.48%
37) Toluene-d8	10.33	98	371301	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.36%
38) trans-1,3-Dichloropropene-	10.58	79	56078	21.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.80%
39) 2-Hexanone-d5	10.93	63	57632	51.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.48%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	126292	24.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.68%
61) 1,2-Dichlorobenzene-d4	13.87	152	144674	23.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	45521	24.405	ug/L 100
3) Chloromethane	2.21	50	96638	24.118	ug/L 100
5) Vinyl chloride	2.36	62	132443	22.839	ug/L 99
6) Bromomethane	2.78	94	81487	24.150	ug/L 100
8) Chloroethane	2.92	64	85097	24.083	ug/L 97
9) Trichlorofluoromethane	3.25	101	68773	20.676	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	102787	22.887	ug/L 97
12) 1,1-Dichloroethene	4.03	96	98677	23.246	ug/L 96
13) Acetone	4.15	43	63014	40.735	ug/L 70
14) Carbon disulfide	4.37	76	319858	23.355	ug/L 99
15) Methyl Acetate	4.68	43	64581	25.471	ug/L 97
16) Methylene chloride	4.92	84	113429	24.241	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	200786	25.636	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	106792	24.145	ug/L 97
19) 1,1-Dichloroethane	6.21	63	206090	24.968	ug/L 99
21) 2-Butanone	7.19	43	85079	46.803	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	116710	24.829	ug/L 96

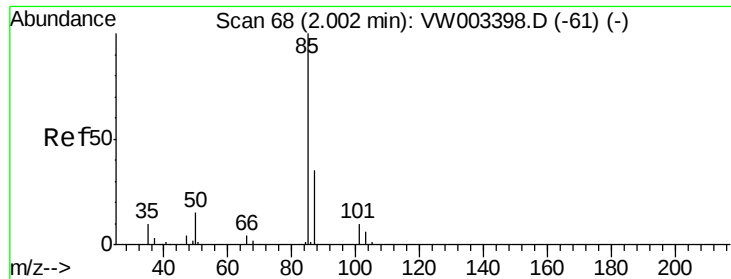
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062118\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jun 22 07:26:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	54584	25.102	ug/L	98
25) Chloroform	7.68	83	212960	25.095	ug/L	99
27) 1,2-Dichloroethane	8.40	62	161428	26.269	ug/L	100
30) Cyclohexane	7.96	56	175741	23.231	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	166873	23.181	ug/L	98
32) Carbon tetrachloride	8.07	117	159796	22.977	ug/L	100
34) Benzene	8.32	78	463730	24.819	ug/L	100
35) Trichloroethene	9.09	95	118840	23.598	ug/L	99
36) Methylcyclohexane	9.34	83	200522	23.324	ug/L	99
40) 1,2-Dichloropropane	9.37	63	125123	25.447	ug/L	100
41) Bromodichloromethane	9.65	83	158972	25.154	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	179367	24.443	ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	184920	52.642	ug/L	100
44) Toluene	10.39	91	500591	24.703	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	164365	24.752	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	93513	25.475	ug/L	99
47) Tetrachloroethene	10.87	164	96368	22.772	ug/L	98
49) 2-Hexanone	10.98	43	132514	50.622	ug/L	99
50) Dibromochloromethane	11.13	129	112602	25.198	ug/L	97
51) 1,2-Dibromoethane	11.24	107	91702	25.140	ug/L	98
52) Chlorobenzene	11.66	112	321527	24.434	ug/L	100
53) Ethylbenzene	11.74	91	561024	24.683	ug/L	100
54) m,p-Xylene	11.85	106	210978	24.992	ug/L	95
55) o-xylene	12.17	106	203105	25.294	ug/L	99
56) Styrene	12.19	104	359709	25.947	ug/L	100
57) Isopropylbenzene	12.47	105	551020	24.733	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	125793	25.995	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	95928	25.867	ug/L	100
62) Bromoform	12.35	173	70221	25.250	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	247337	24.344	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	259175	24.330	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	245056	25.263	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	21965	25.802	ug/L	94
67) 1,3,5-Trichlorobenzene	14.64	180	186205	23.585	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	153607	23.899	ug/L	99
69) Naphthalene	15.38	128	323002	26.859	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	151093	25.650	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 24.405 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

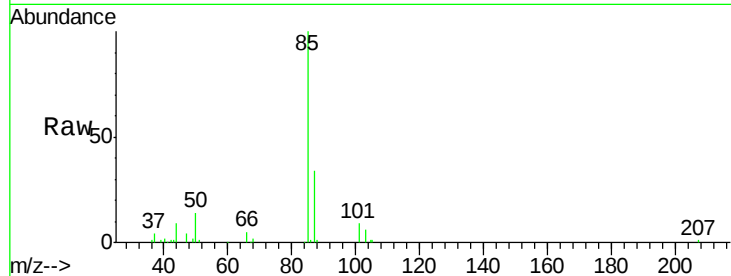
VSTD02596

Tgt Ion: 85 Resp: 45521

Ion Ratio Lower Upper

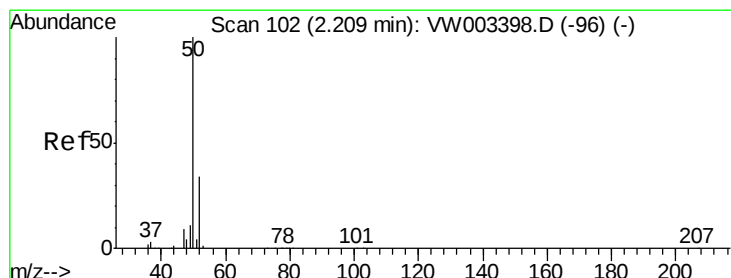
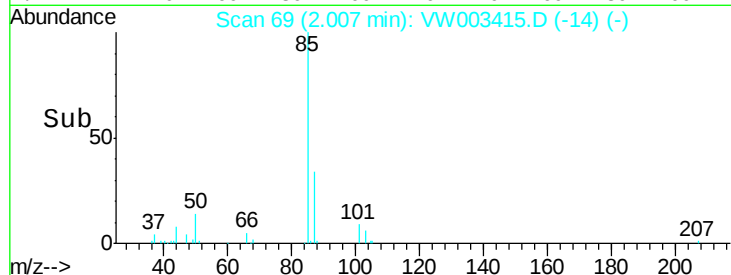
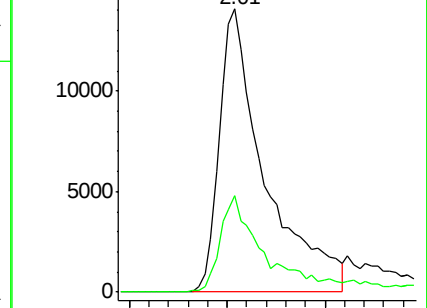
85 100

87 24.6 17.1 31.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.118 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003415.D

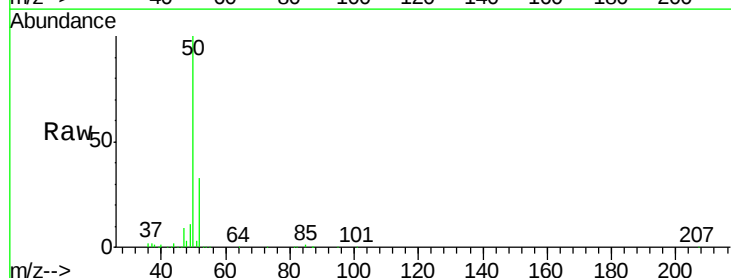
Acq: 22 Jun 2018 03:58

Tgt Ion: 50 Resp: 96638

Ion Ratio Lower Upper

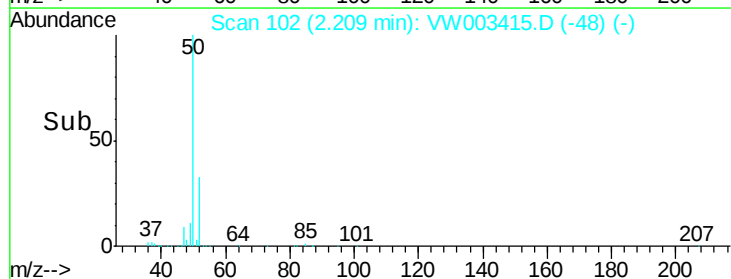
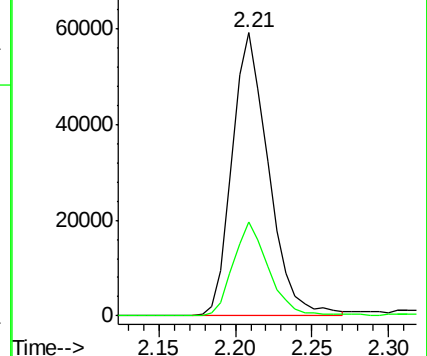
50 100

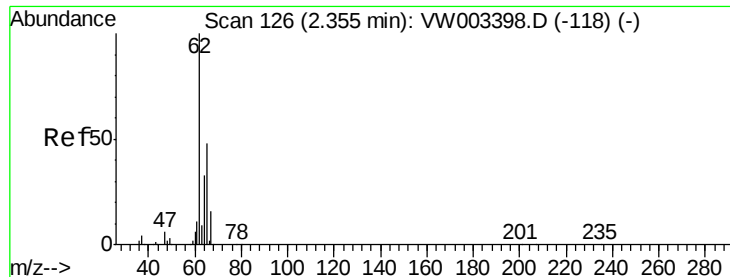
52 33.3 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.839 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

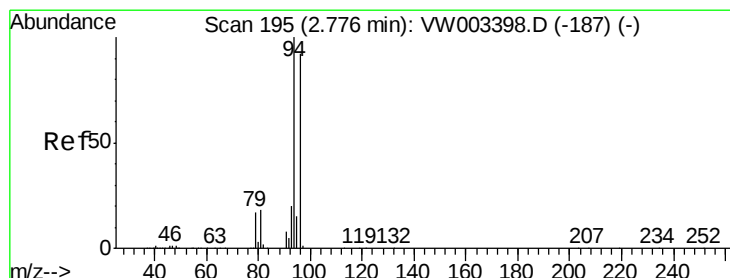
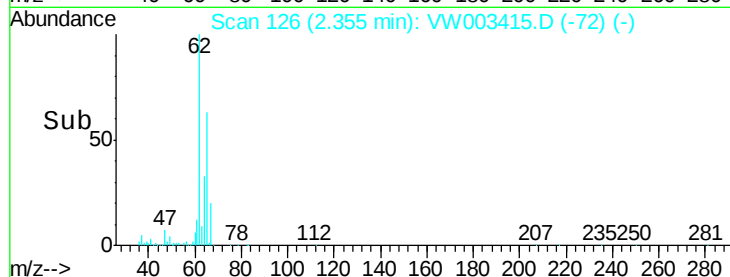
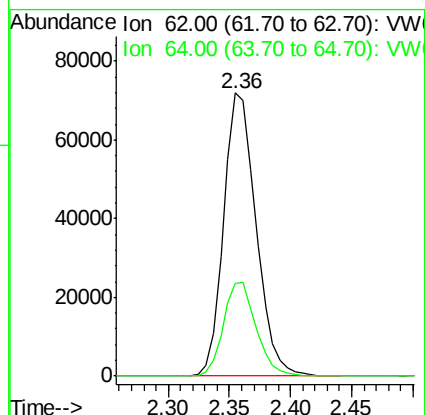
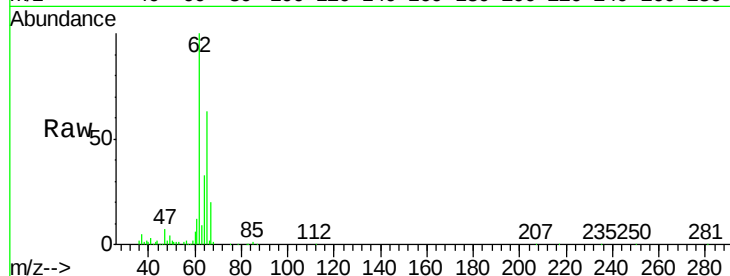
VSTD02596

Tgt Ion: 62 Resp: 132443

Ion Ratio Lower Upper

62 100

64 32.8 23.5 43.7



#6

Bromomethane

Concen: 24.150 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW003415.D

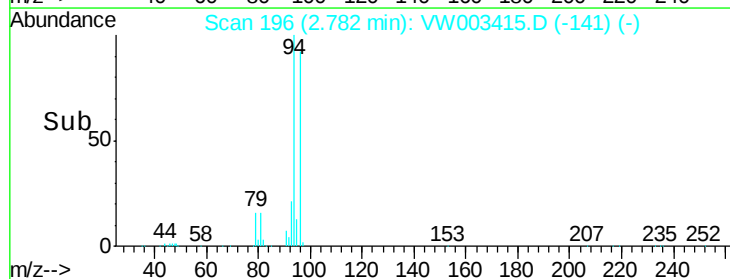
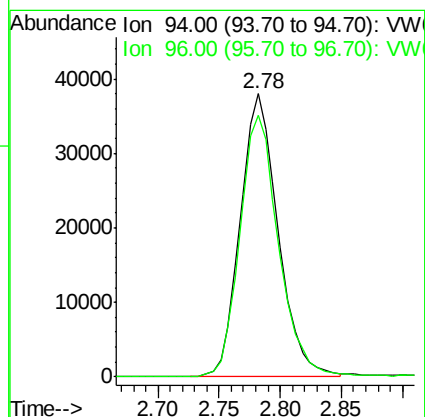
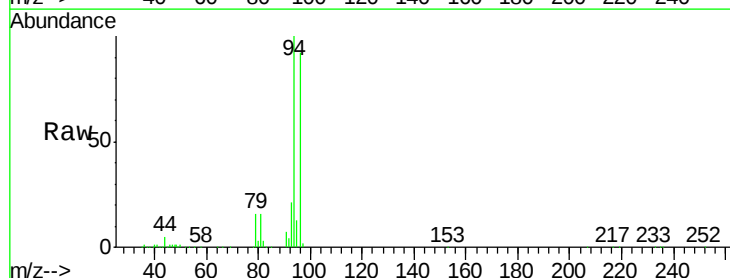
Acq: 22 Jun 2018 03:58

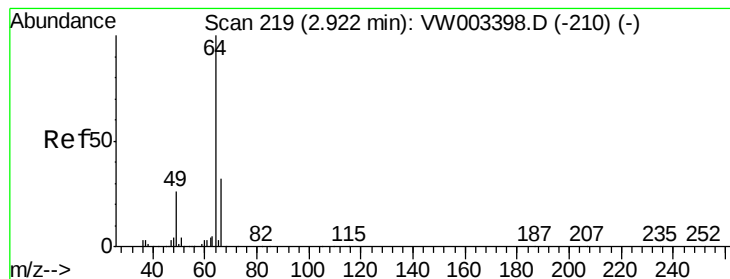
Tgt Ion: 94 Resp: 81487

Ion Ratio Lower Upper

94 100

96 95.2 9.5 180.3





#8

Chloroethane

Concen: 24.083 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

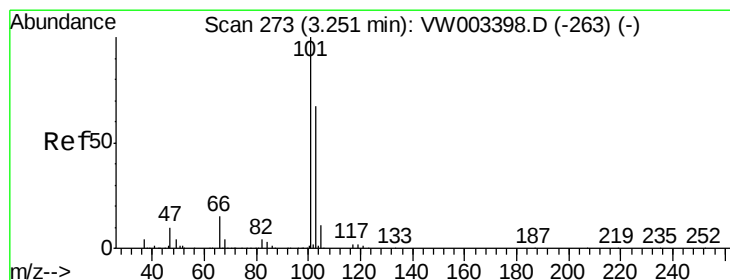
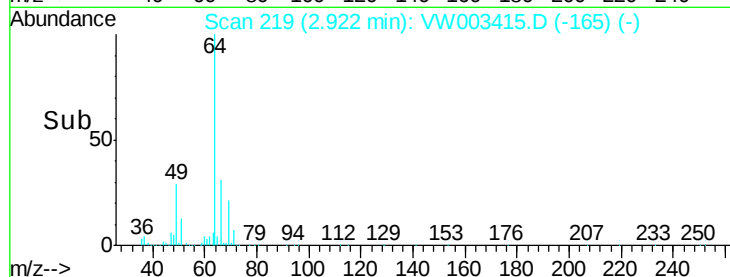
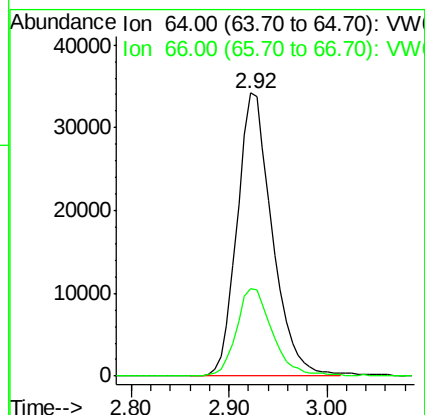
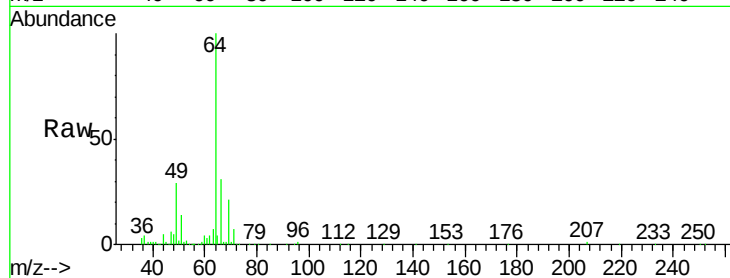
VSTD02596

Tgt Ion: 64 Resp: 85097

Ion Ratio Lower Upper

64 100

66 30.9 22.9 42.5



#9

Trichlorofluoromethane

Concen: 20.676 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.00 min

Lab File: VW003415.D

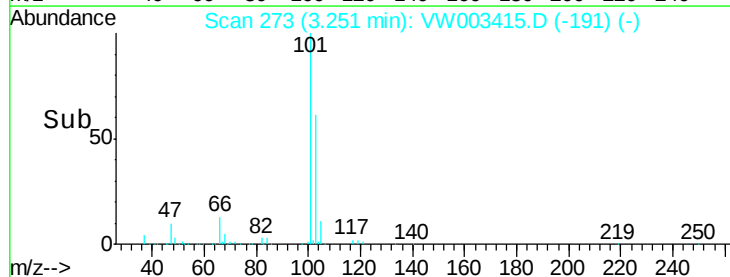
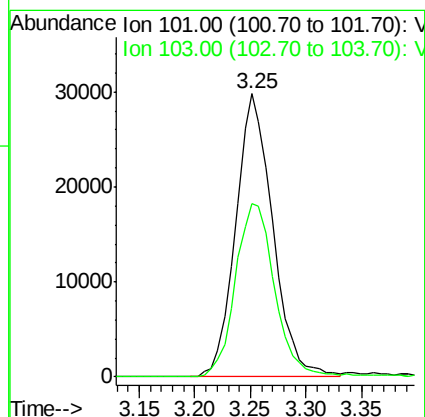
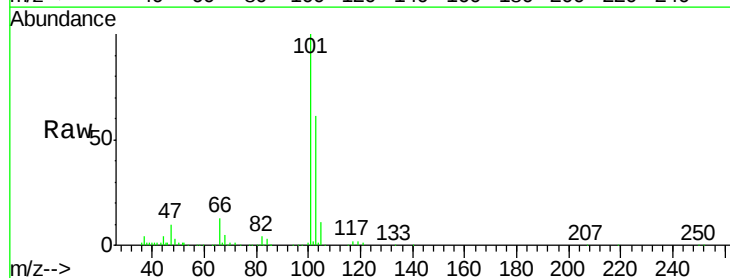
Acq: 22 Jun 2018 03:58

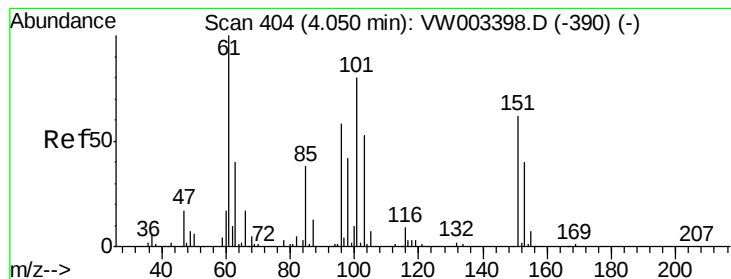
Tgt Ion: 101 Resp: 68773

Ion Ratio Lower Upper

101 100

103 64.5 45.1 83.7





#11

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

Concen: 22.887 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

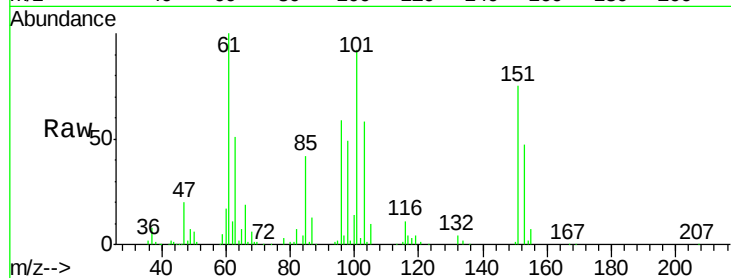
Tgt Ion:101 Resp: 102787

Ion Ratio Lower Upper

101 100

85 46.1 35.4 53.0

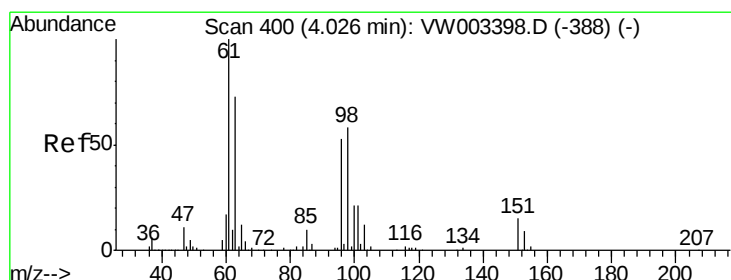
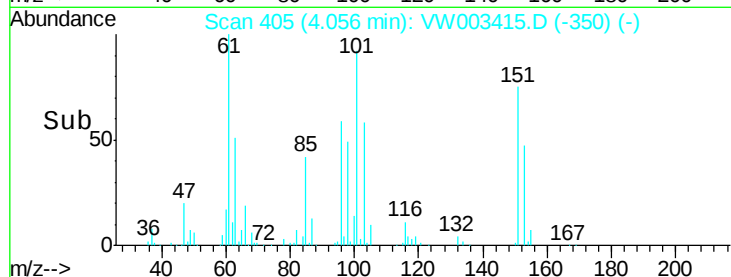
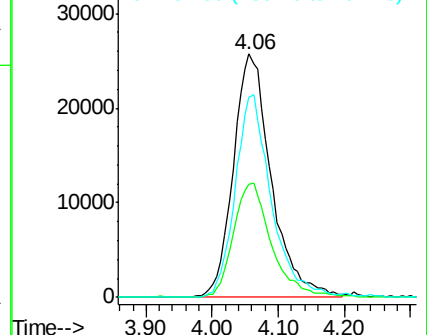
151 79.0 61.4 92.0



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: 23.246 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

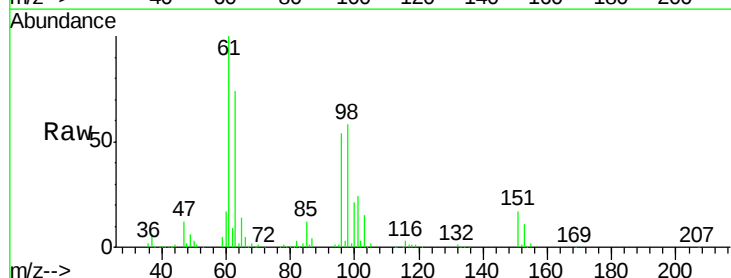
Tgt Ion: 96 Resp: 98677

Ion Ratio Lower Upper

96 100

61 184.2 124.1 230.5

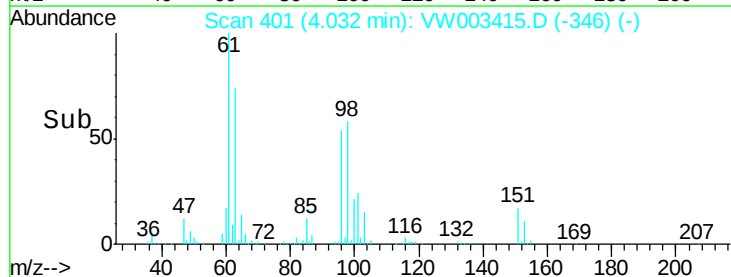
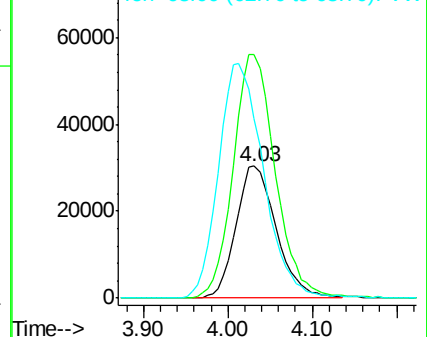
63 135.7 93.1 172.9

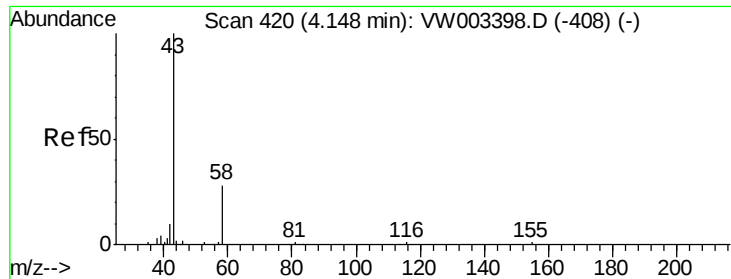


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.735 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

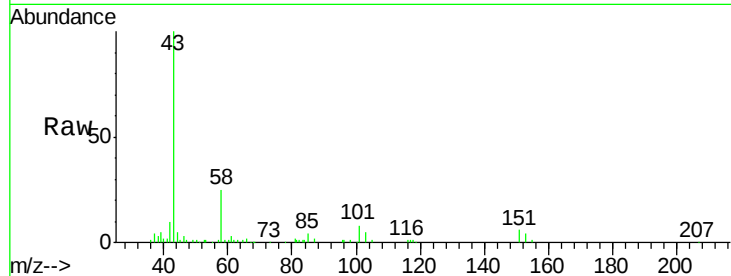
VSTD02596

Tgt Ion: 43 Resp: 63014

Ion Ratio Lower Upper

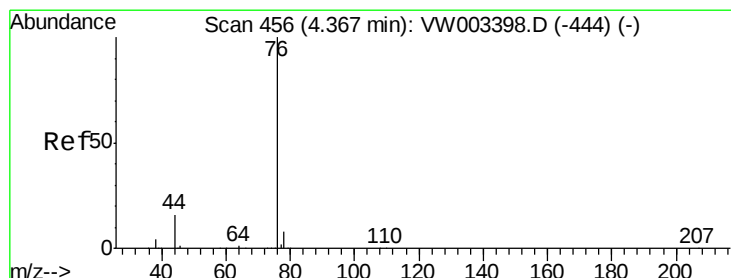
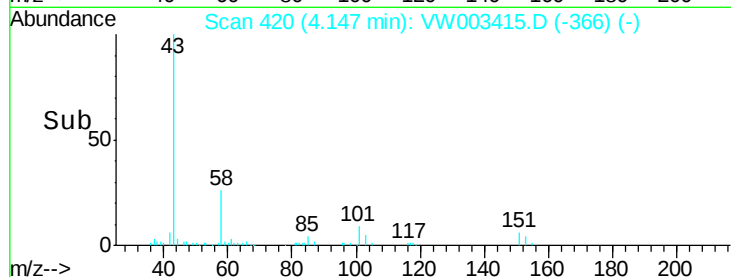
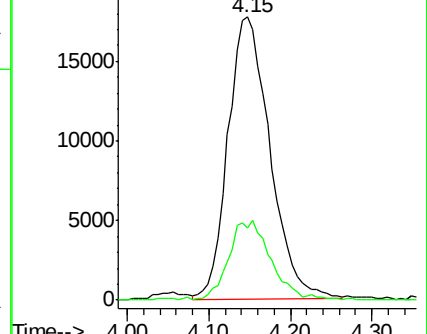
43 100

58 13.3 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.355 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003415.D

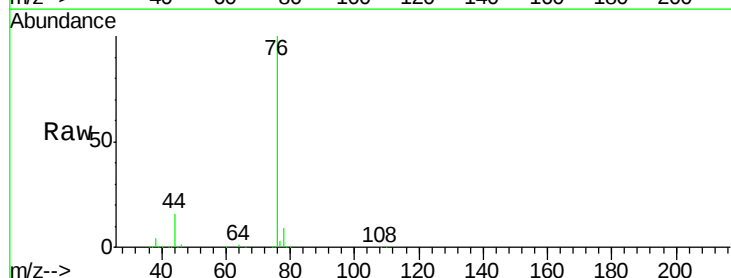
Acq: 22 Jun 2018 03:58

Tgt Ion: 76 Resp: 319858

Ion Ratio Lower Upper

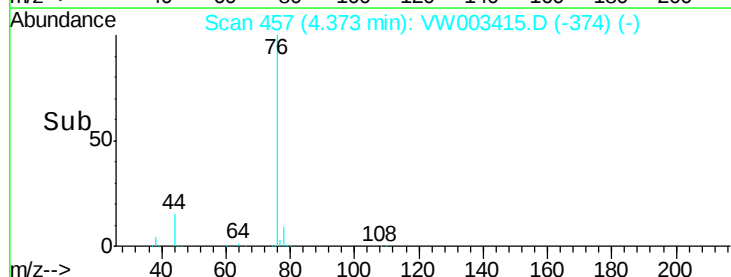
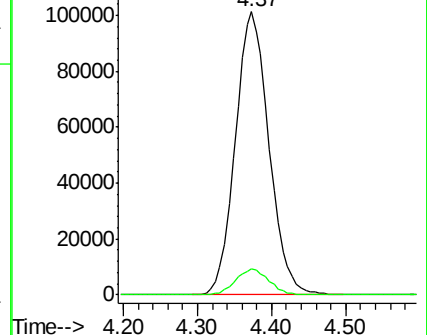
76 100

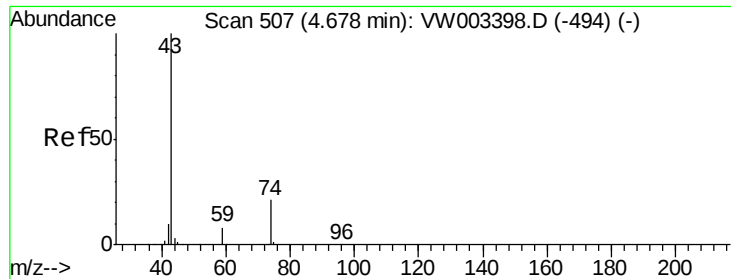
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

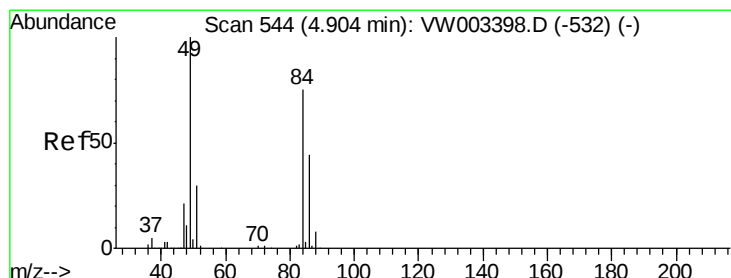
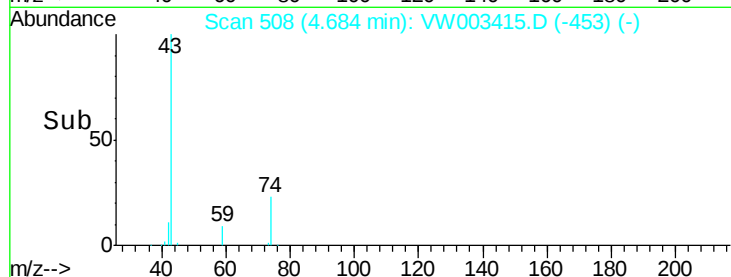
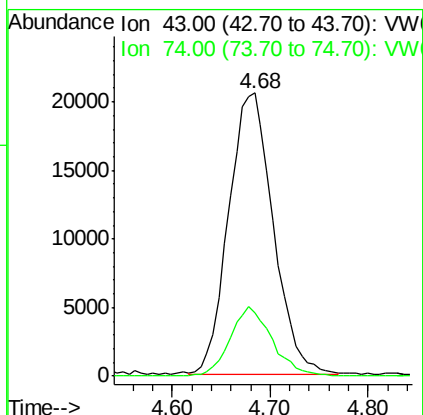
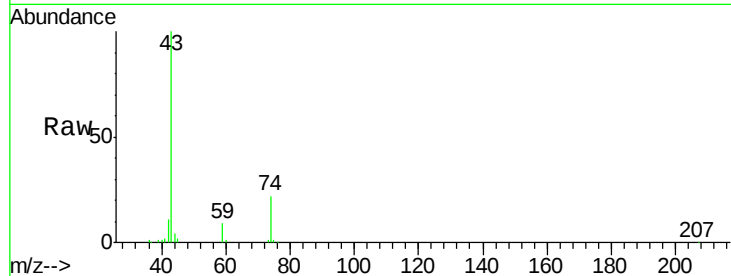




#15
Methyl Acetate
Concen: 25.471 ug/L
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

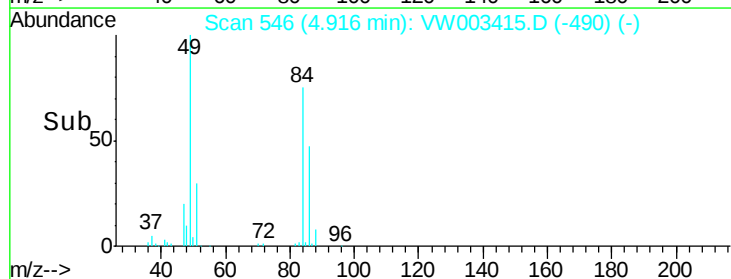
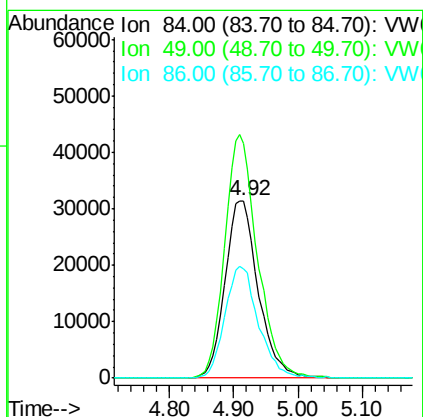
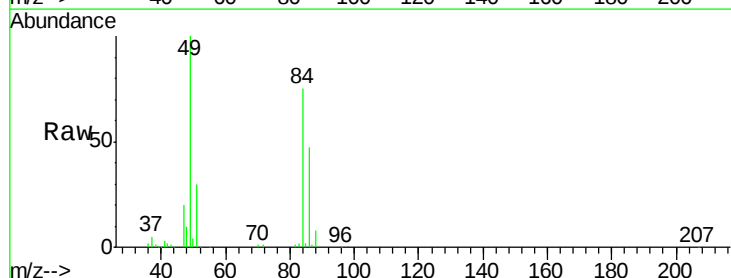
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

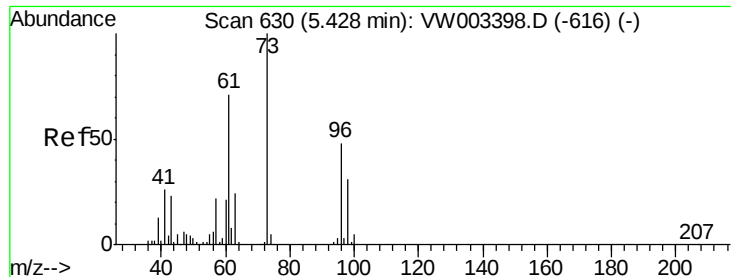
Tgt Ion: 43 Resp: 64581
Ion Ratio Lower Upper
43 100
74 23.3 17.5 26.3



#16
Methylene chloride
Concen: 24.241 ug/L
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

Tgt Ion: 84 Resp: 113429
Ion Ratio Lower Upper
84 100
49 132.5 88.7 164.7
86 61.7 44.2 82.0

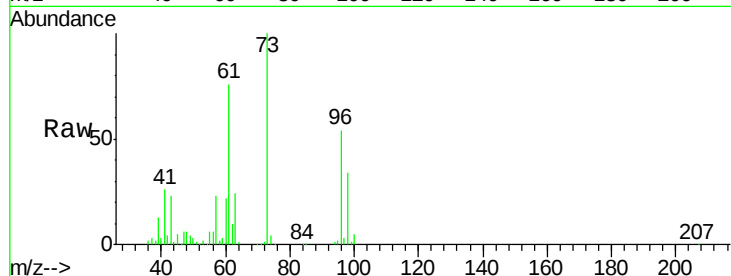




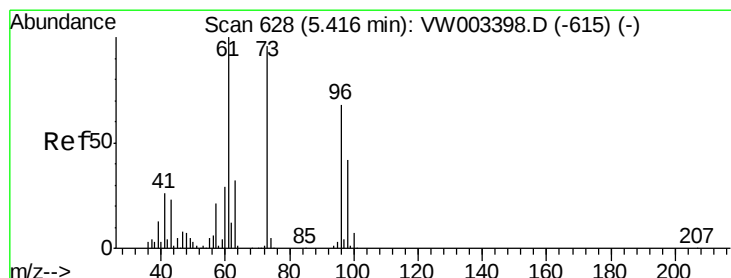
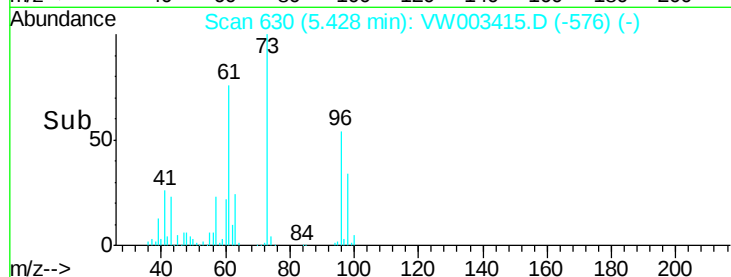
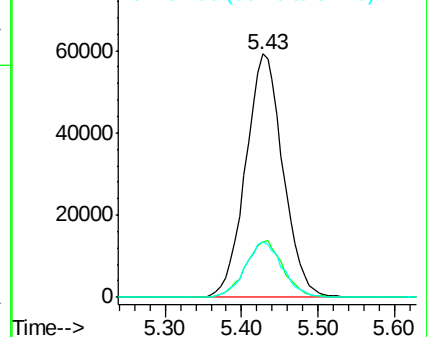
#17
Methyl tert-butyl Ether
Concen: 25.636 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

Tgt Ion: 73 Resp: 200786
Ion Ratio Lower Upper
73 100
43 23.4 18.6 27.8
57 22.9 18.1 27.1

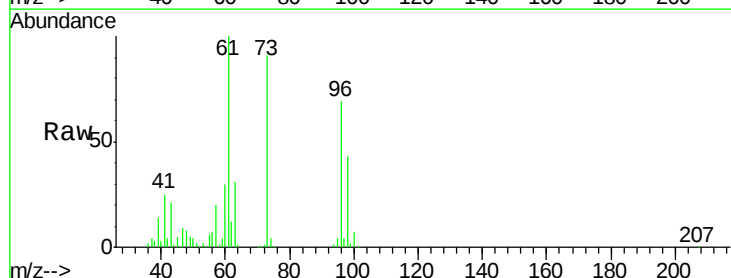


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

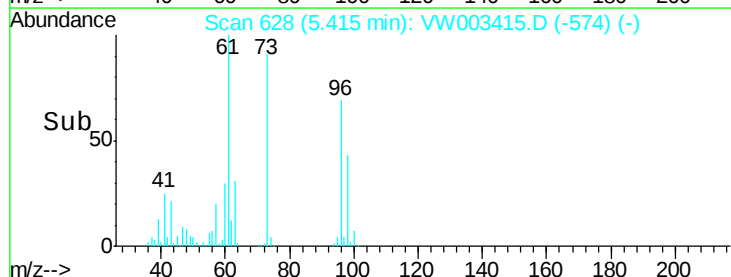
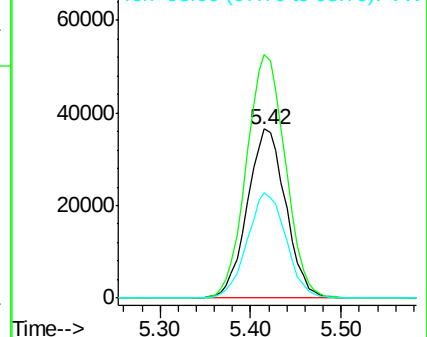


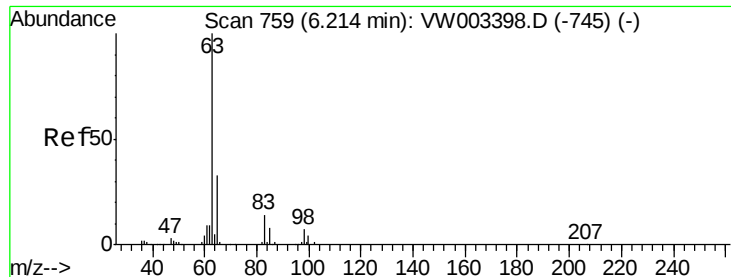
#18
trans-1,2-Dichloroethene
Concen: 24.145 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

Tgt Ion: 96 Resp: 106792
Ion Ratio Lower Upper
96 100
61 144.0 98.0 182.0
98 62.2 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

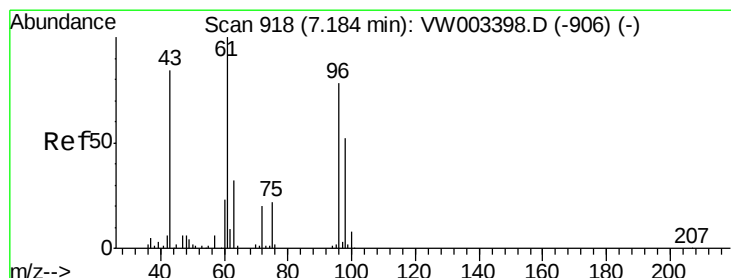
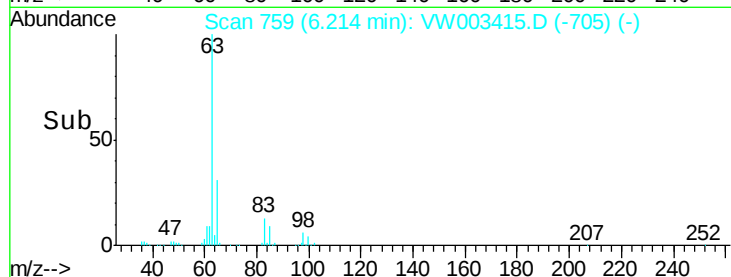
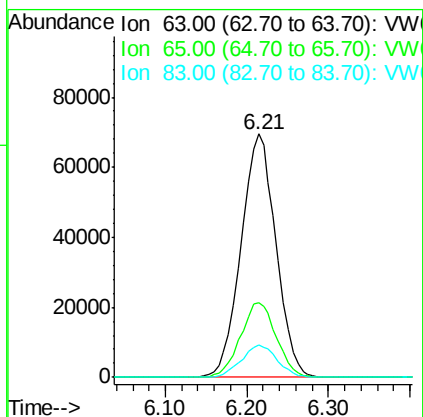
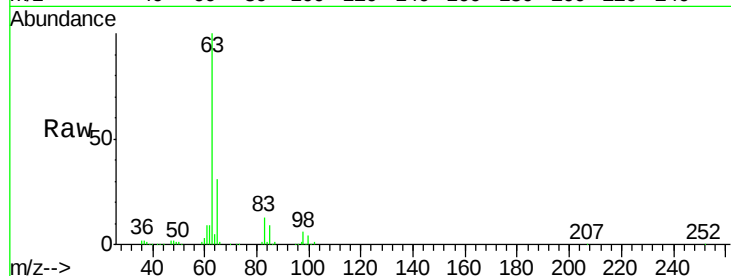




#19
 1,1-Dichloroethane
 Concen: 24.968 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

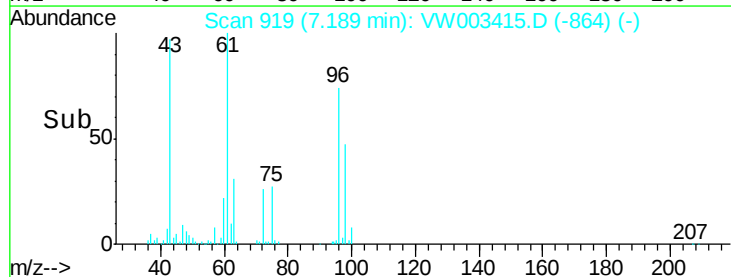
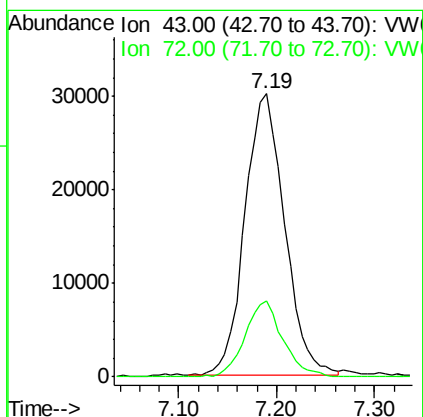
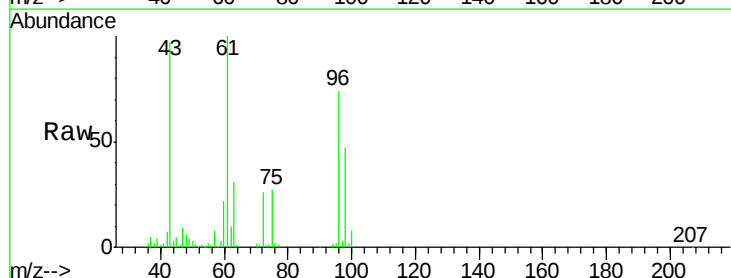
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

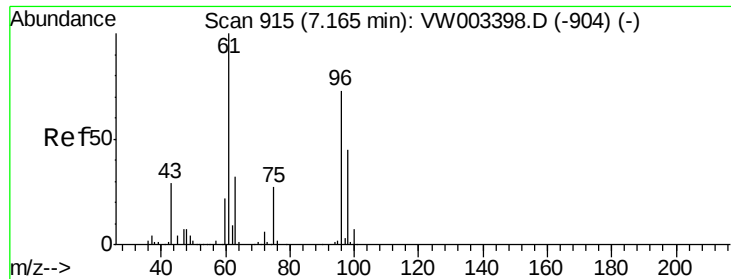
Tgt Ion: 63 Resp: 206090
 Ion Ratio Lower Upper
 63 100
 65 30.6 21.8 40.4
 83 13.1 9.0 16.6



#21
 2-Butanone
 Concen: 46.803 ug/L
 RT: 7.19 min Scan# 919
 Delta R.T. 0.01 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

Tgt Ion: 43 Resp: 85079
 Ion Ratio Lower Upper
 43 100
 72 25.8 12.5 37.5



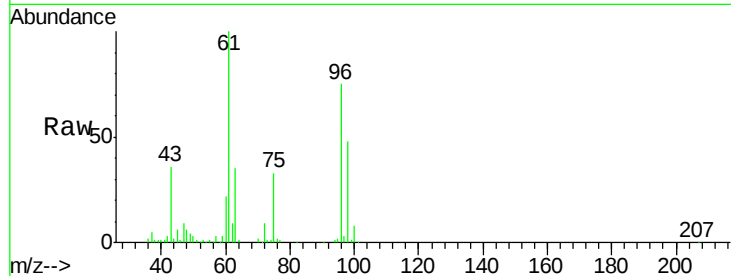


#22

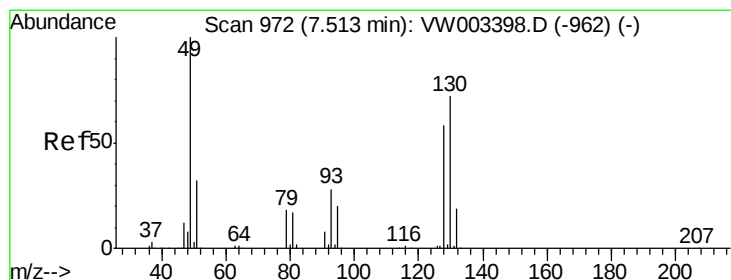
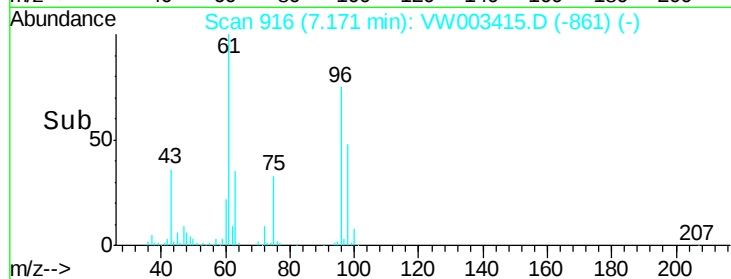
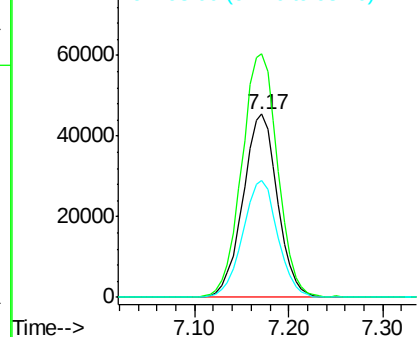
cis-1,2-Dichloroethene
 Concen: 24.829 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

Tgt Ion: 96 Resp: 116710
 Ion Ratio Lower Upper
 96 100
 61 132.9 97.7 181.5
 98 64.0 45.0 83.6



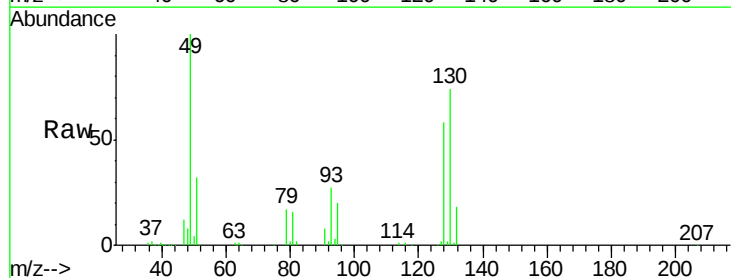
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



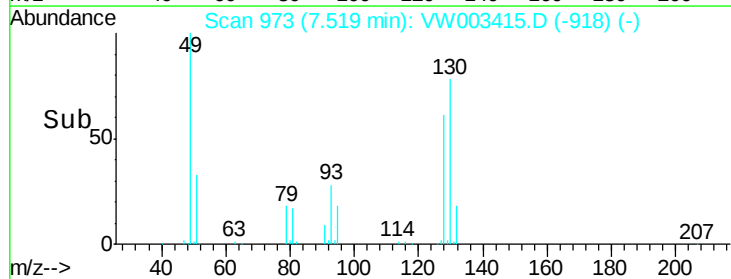
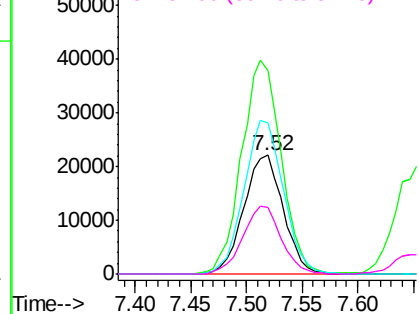
#23

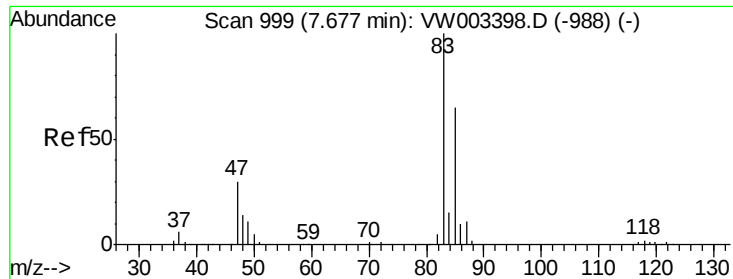
Bromochloromethane
 Concen: 25.102 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

Tgt Ion: 128 Resp: 54584
 Ion Ratio Lower Upper
 128 100
 49 171.3 122.0 226.6
 130 127.3 88.1 163.5
 51 55.6 43.5 65.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

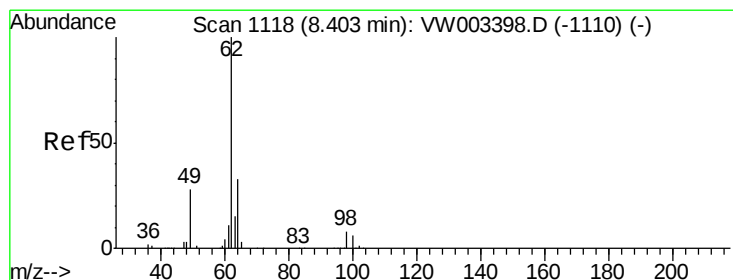
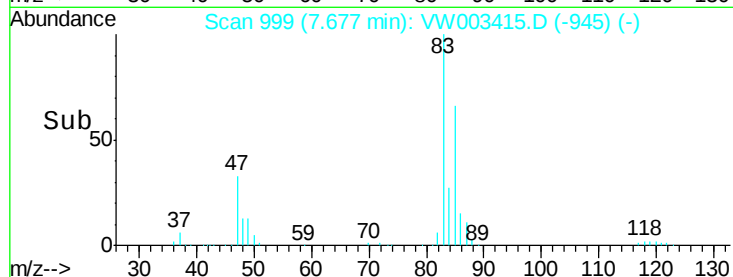
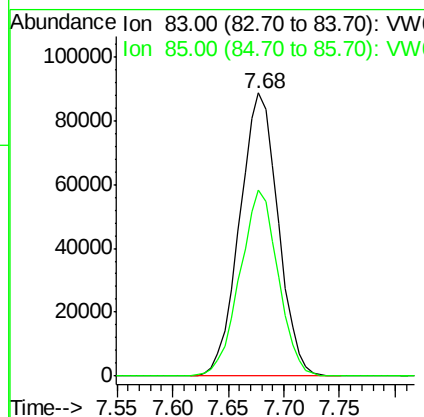
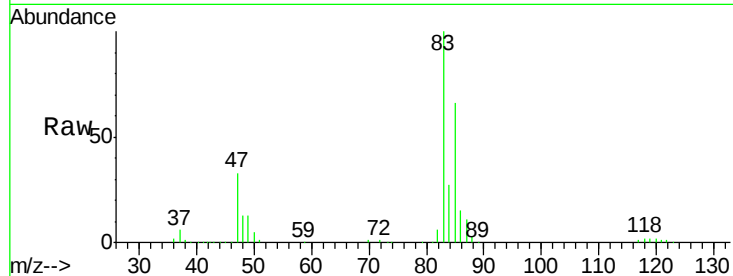




#25
Chloroform
Concen: 25.095 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

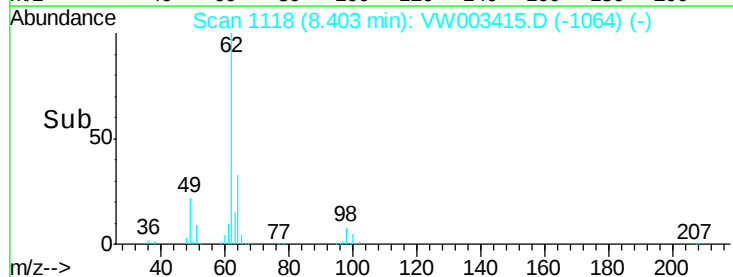
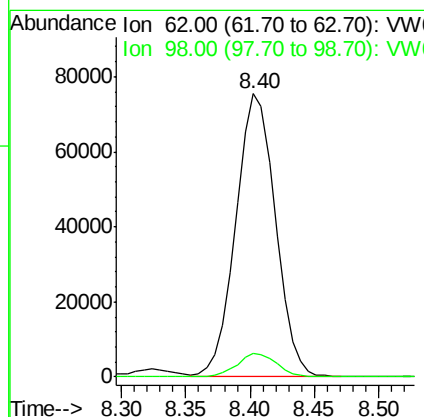
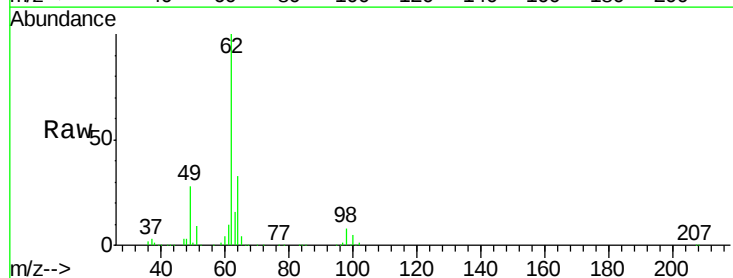
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

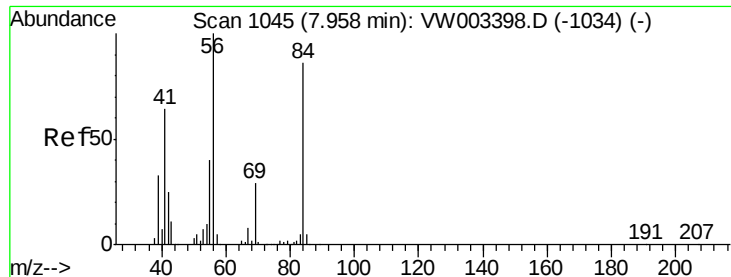
Tgt Ion: 83 Resp: 212960
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 26.269 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

Tgt Ion: 62 Resp: 161428
Ion Ratio Lower Upper
62 100
98 8.2 6.5 9.7

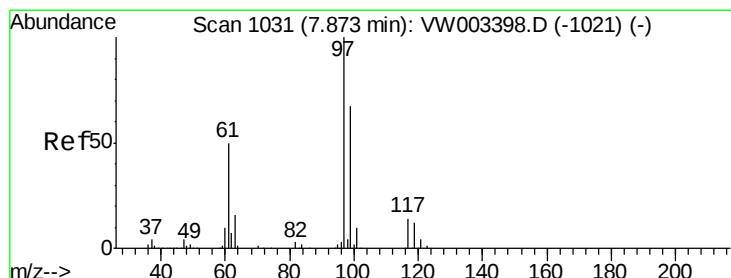
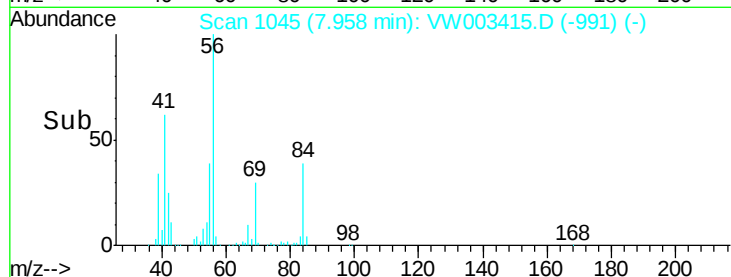
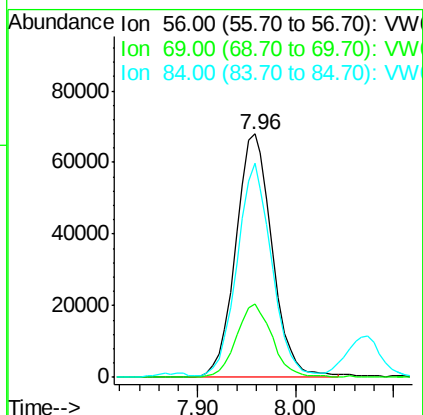
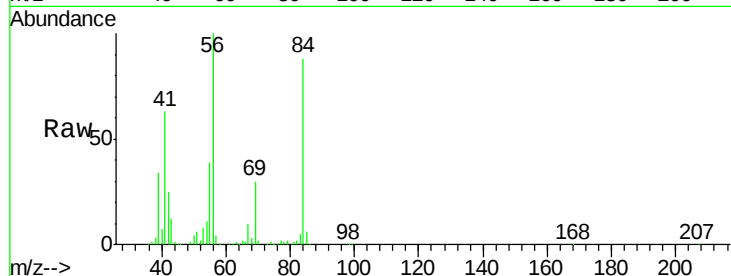




#30
Cyclohexane
Concen: 23.231 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

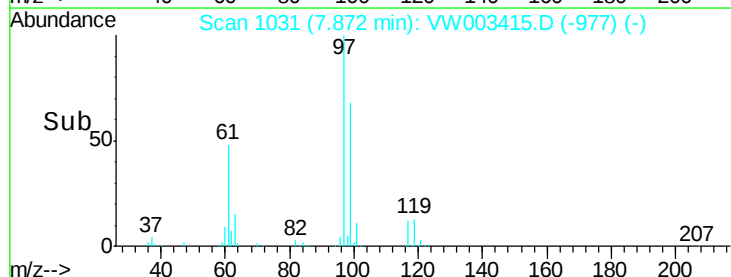
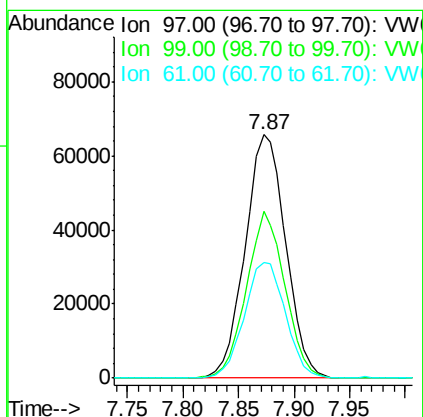
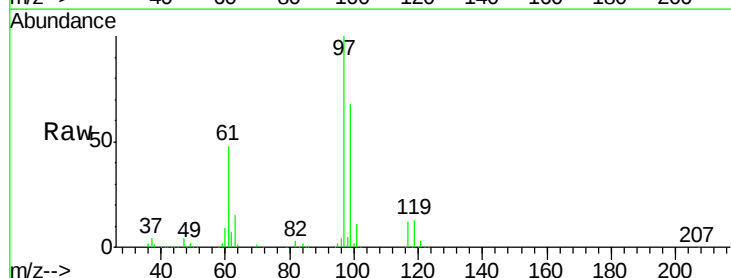
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

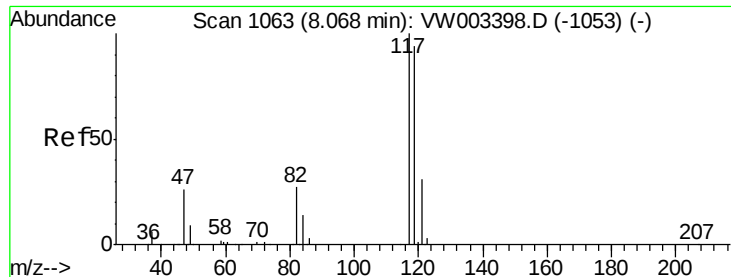
Tgt Ion: 56 Resp: 175741
Ion Ratio Lower Upper
56 100
69 29.4 23.4 35.2
84 83.9 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 23.181 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

Tgt Ion: 97 Resp: 166873
Ion Ratio Lower Upper
97 100
99 64.9 50.9 76.3
61 48.1 37.7 56.5





#32

Carbon tetrachloride

Concen: 22.977 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

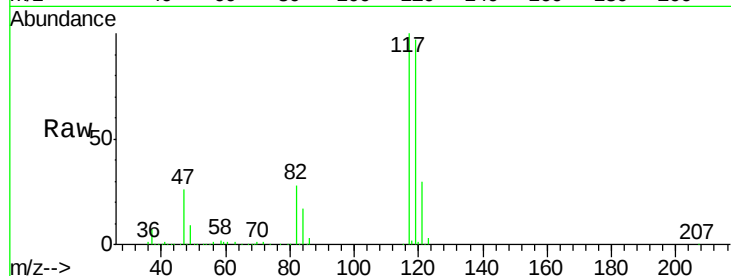
VSTD02596

Tgt Ion:117 Resp: 159796

Ion Ratio Lower Upper

117 100

119 95.5 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

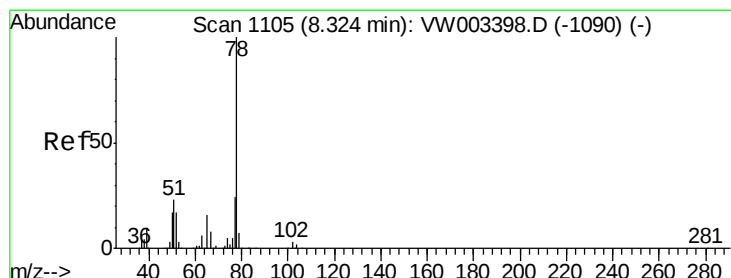
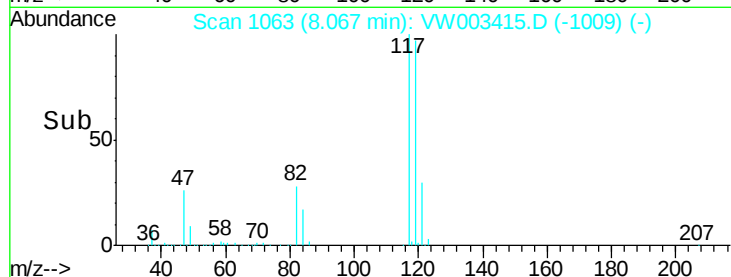
40000

20000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 24.819 ug/L

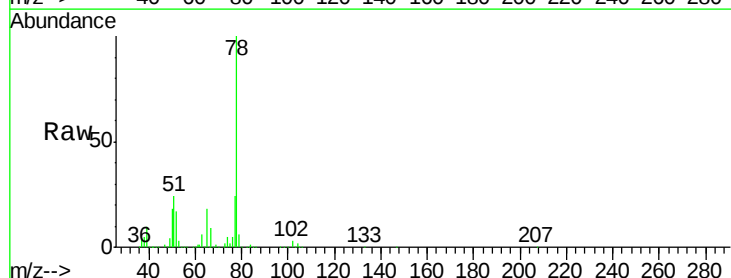
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Tgt Ion: 78 Resp: 463730



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

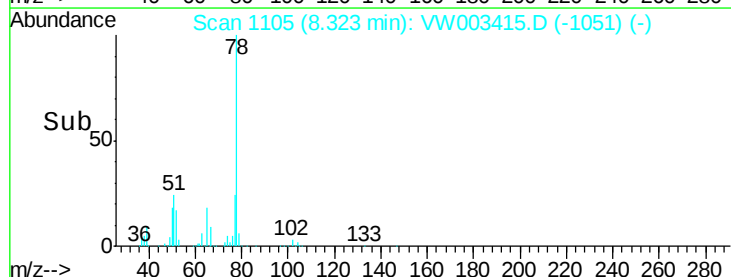
100000

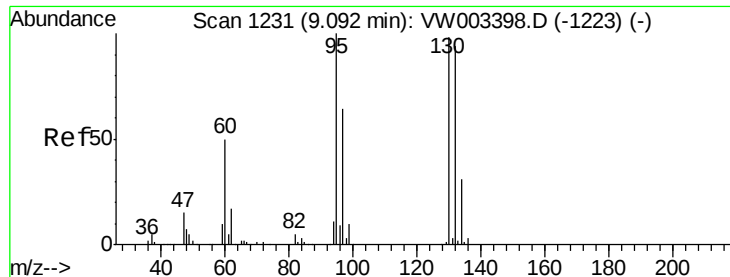
50000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 23.598 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

Tgt Ion: 95 Resp: 118840

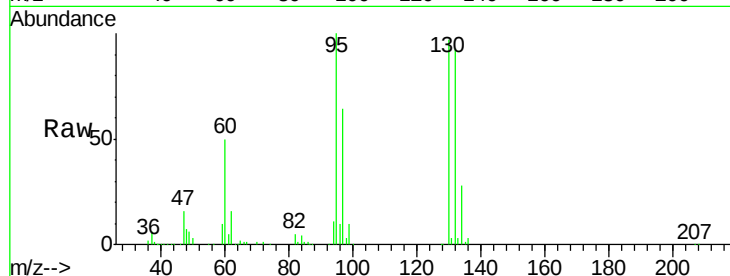
Ion Ratio Lower Upper

95 100

97 64.5 45.6 84.6

132 96.3 67.8 125.8

130 100.4 70.6 131.0

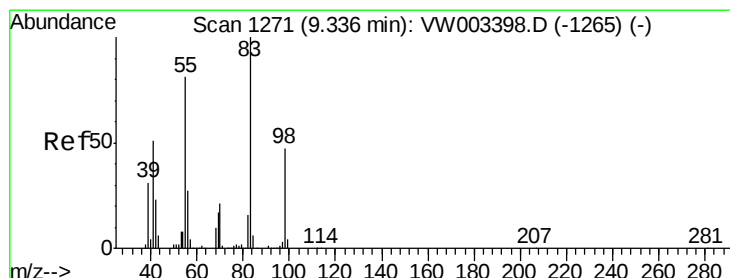
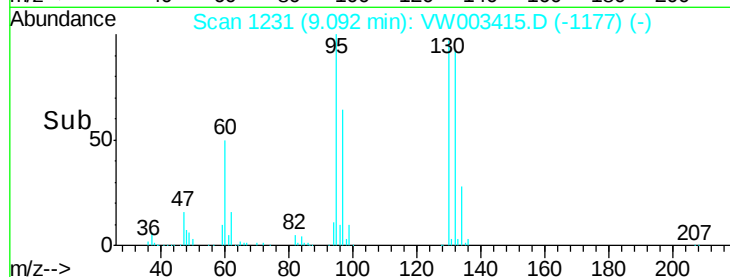
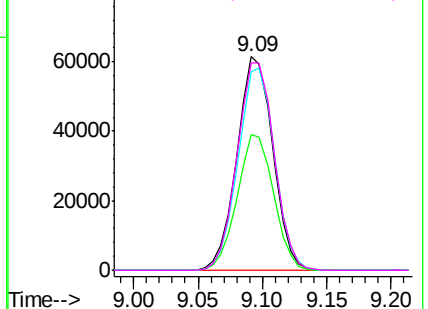


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.324 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

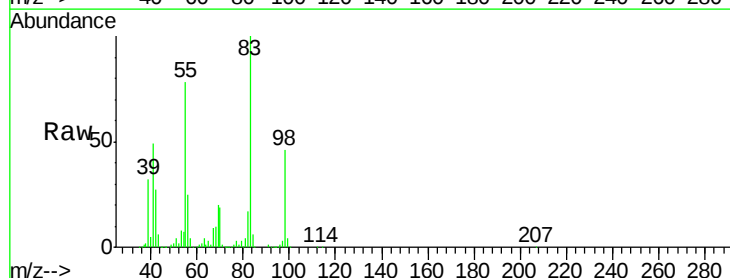
Tgt Ion: 83 Resp: 200522

Ion Ratio Lower Upper

83 100

55 80.6 63.9 95.9

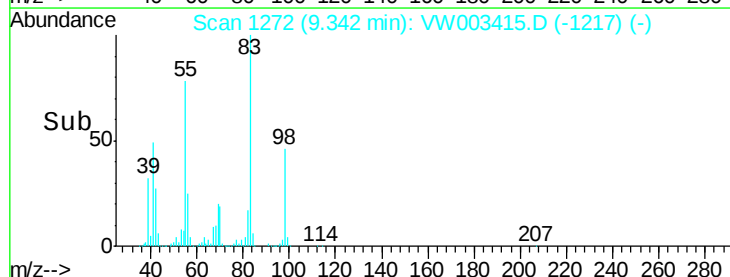
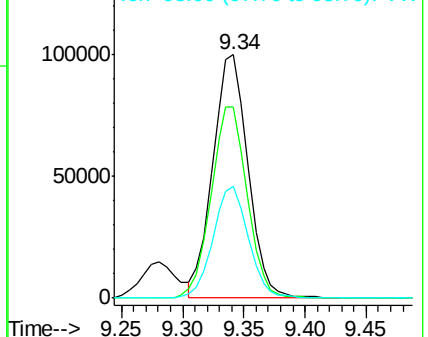
98 46.3 37.1 55.7

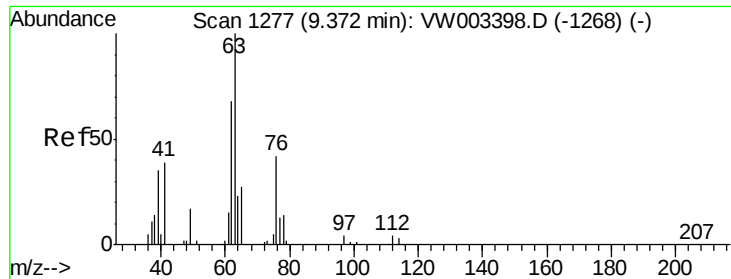


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

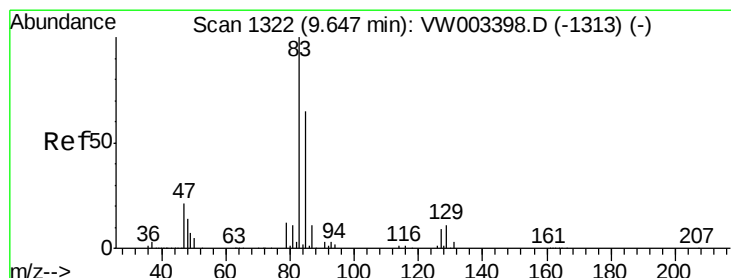
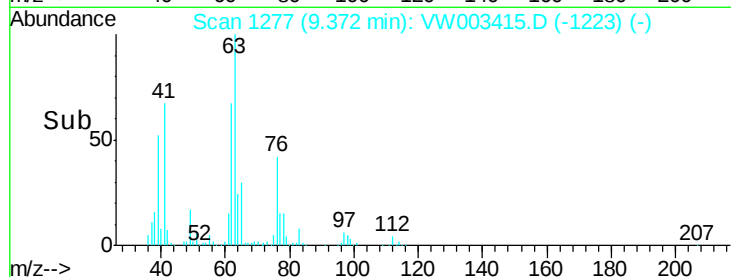
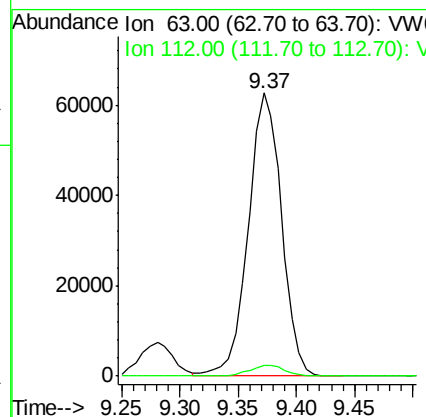
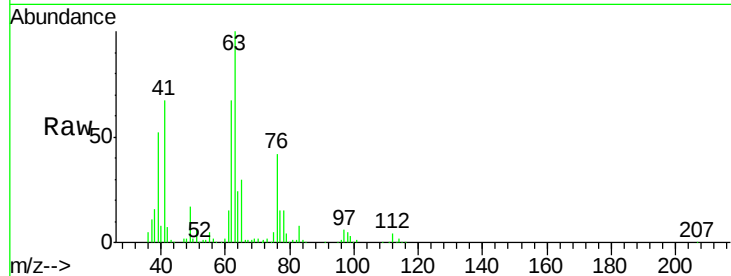




#40
 1,2-Dichloropropane
 Concen: 25.447 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

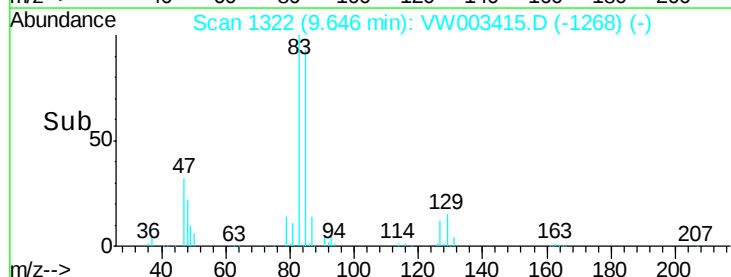
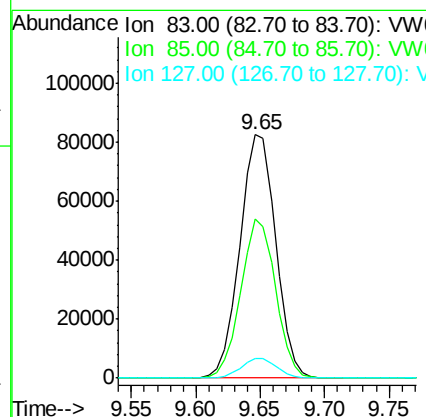
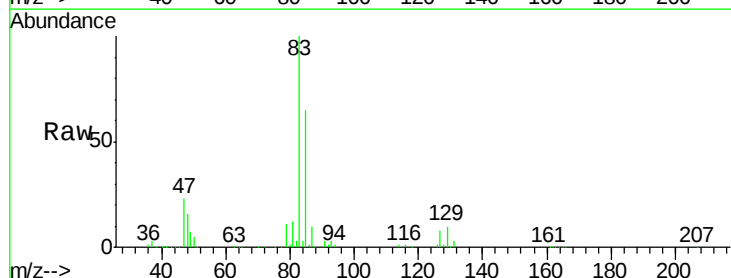
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

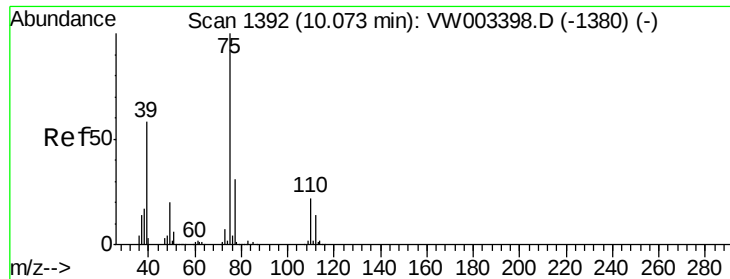
Tgt Ion: 63 Resp: 125123
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#41
 Bromodichloromethane
 Concen: 25.154 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

Tgt Ion: 83 Resp: 158972
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.7 83.1
 127 8.3 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 24.443 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampled :

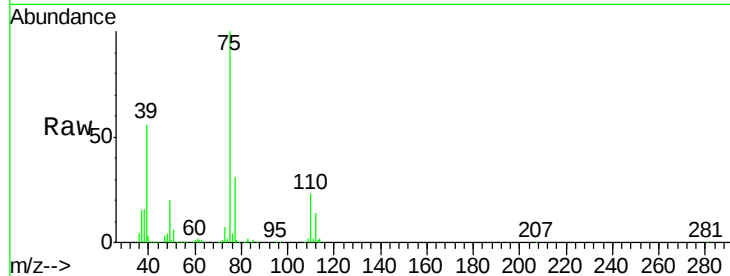
VSTD02596

Tgt Ion: 75 Resp: 179367

Ion Ratio Lower Upper

75 100

77 31.3 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

100000

80000

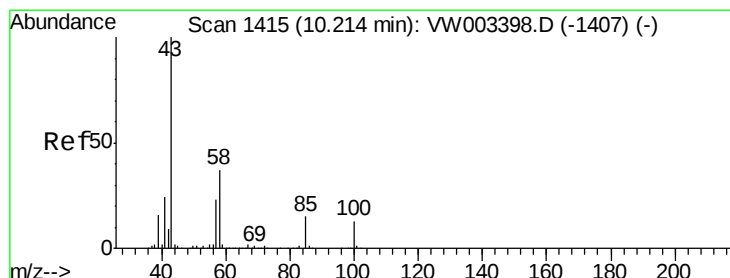
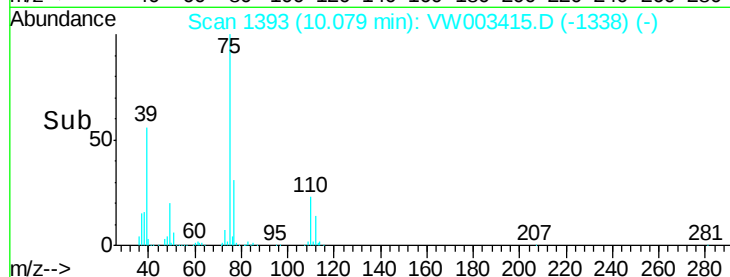
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 52.642 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

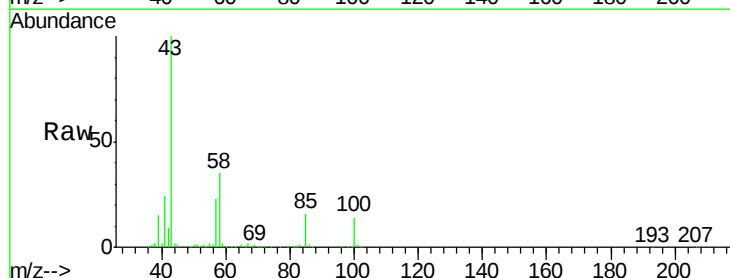
Tgt Ion: 43 Resp: 184920

Ion Ratio Lower Upper

43 100

58 35.8 28.7 43.1

100 13.6 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

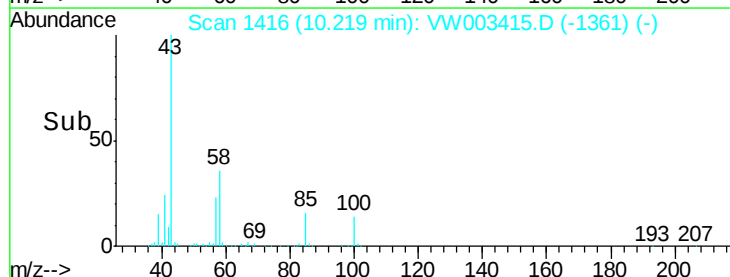
150000

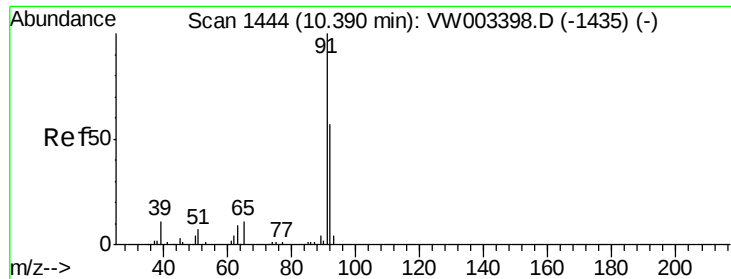
100000

50000

0

Time-->





#44

Toluene

Concen: 24.703 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

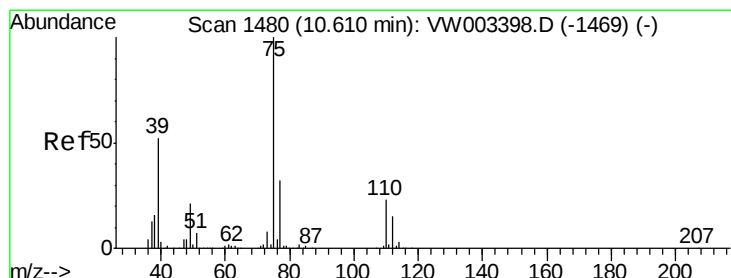
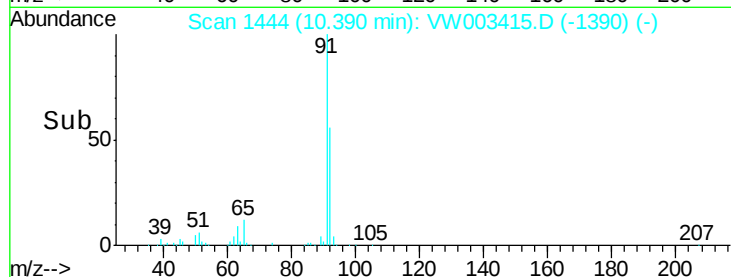
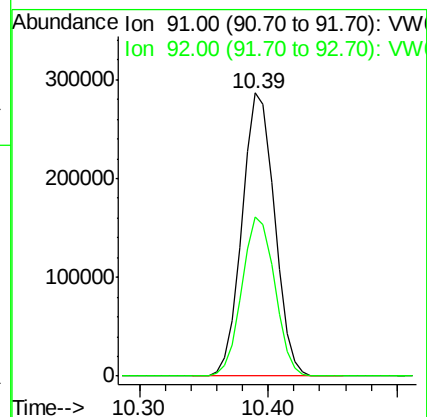
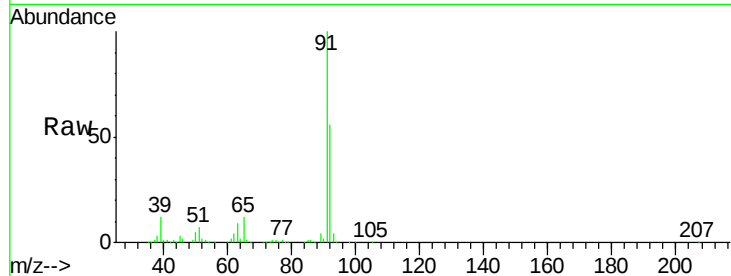
VSTD02596

Tgt Ion: 91 Resp: 500591

Ion Ratio Lower Upper

91 100

92 56.1 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 24.752 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003415.D

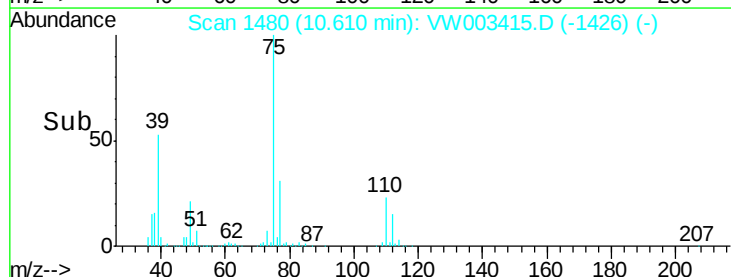
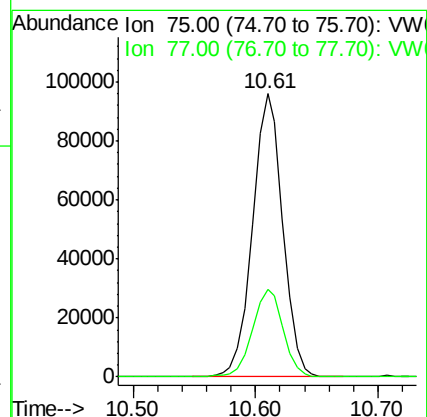
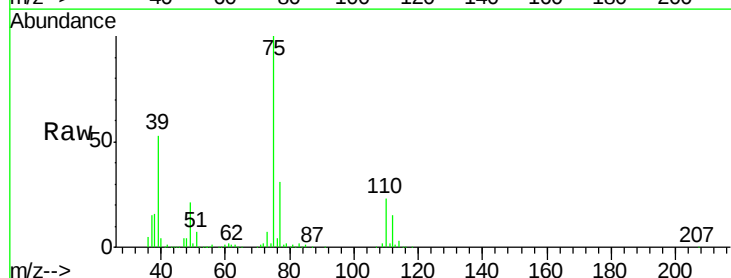
Acq: 22 Jun 2018 03:58

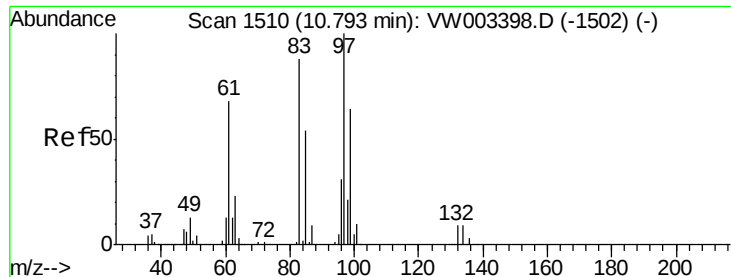
Tgt Ion: 75 Resp: 164365

Ion Ratio Lower Upper

75 100

77 31.1 22.4 41.6

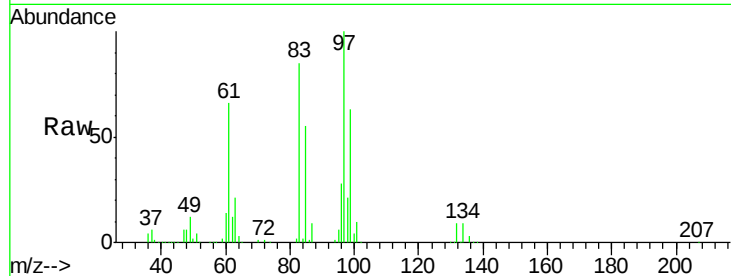




#46
 1,1,2-Trichloroethane
 Concen: 25.475 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

Tgt Ion:	97	Resp:	93513
Ion	Ratio	Lower	Upper
97	100		
83	85.3	58.8	109.2
85	55.2	38.8	72.0
99	63.4	43.8	81.3



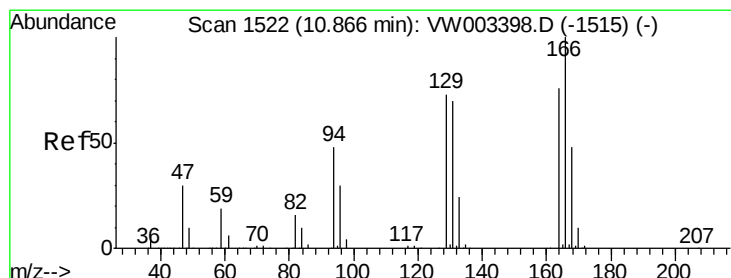
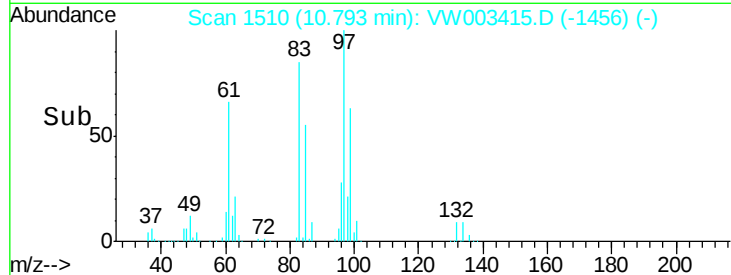
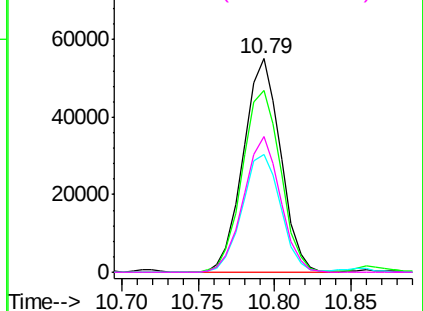
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

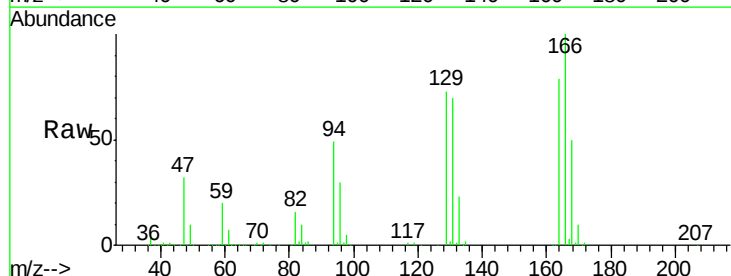
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 22.772 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

Tgt Ion:	164	Resp:	96368
Ion	Ratio	Lower	Upper
164	100		
129	93.2	67.3	124.9
131	88.6	63.8	118.4
166	127.4	90.2	167.4



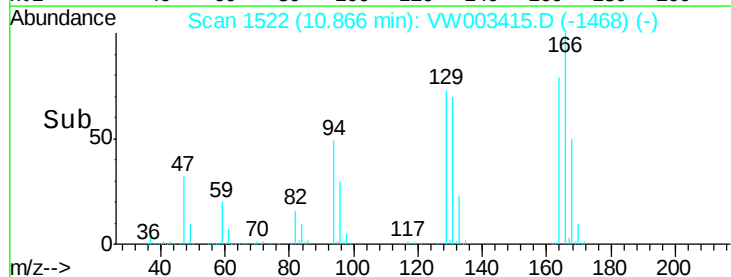
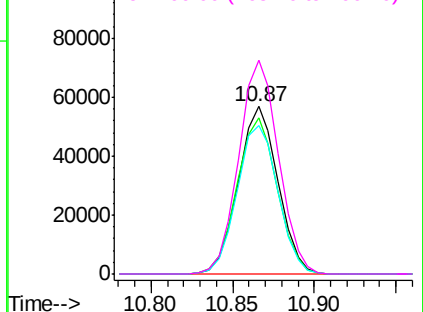
Abundance

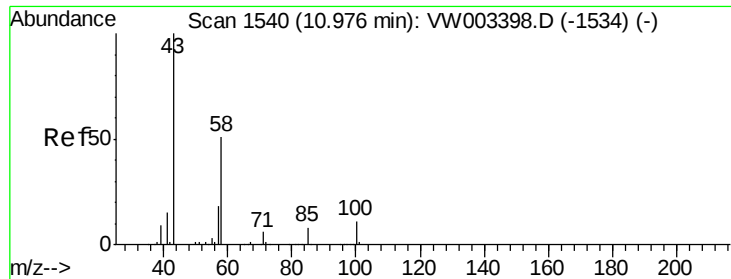
Ion 164.00 (163.70 to 164.70): V

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

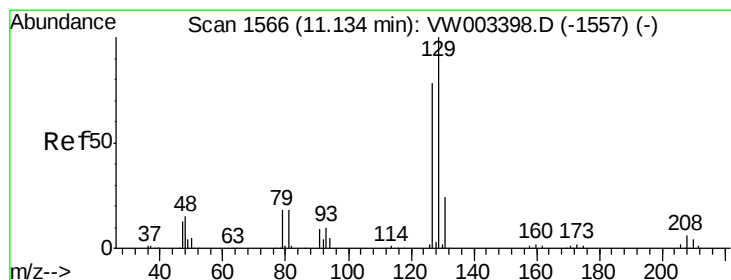
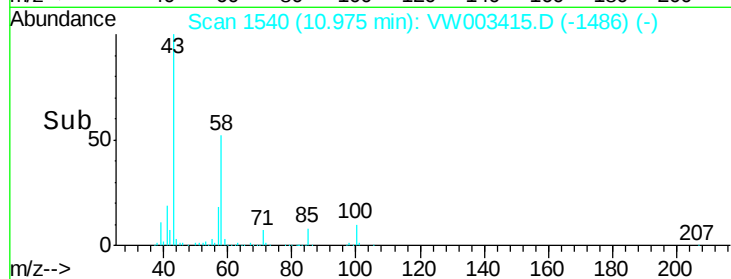
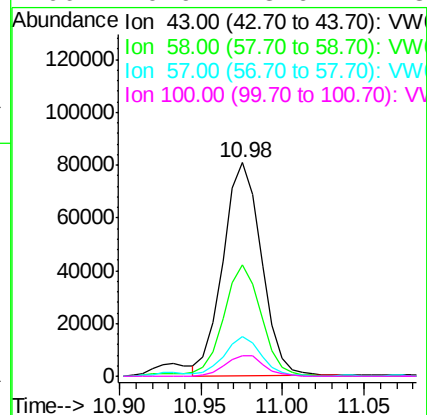
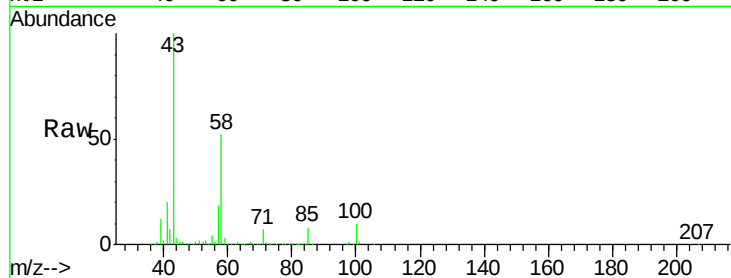




#49
2-Hexanone
Concen: 50.622 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

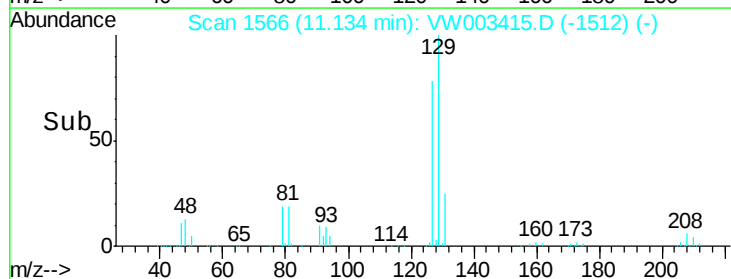
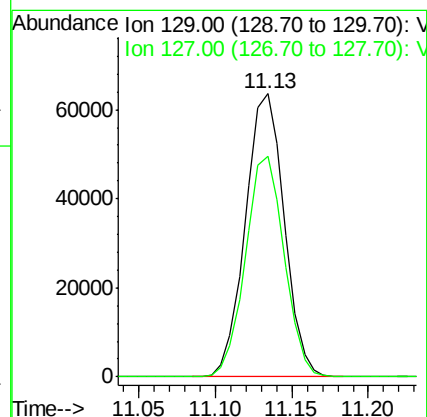
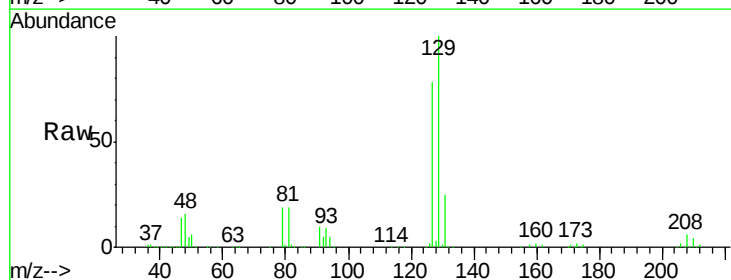
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

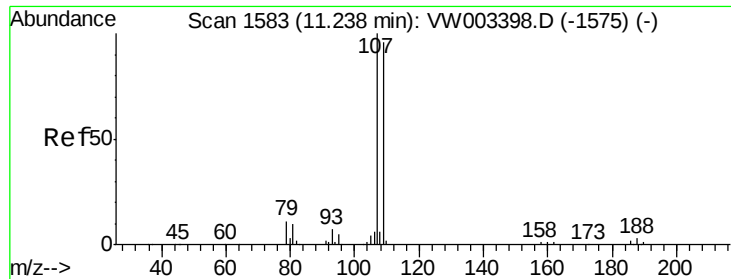
Tgt Ion: 43 Resp: 132514
Ion Ratio Lower Upper
43 100
58 51.6 40.4 60.6
57 17.9 14.6 21.8
100 9.9 8.6 12.8



#50
Dibromochloromethane
Concen: 25.198 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

Tgt Ion: 129 Resp: 112602
Ion Ratio Lower Upper
129 100
127 77.8 56.0 104.0

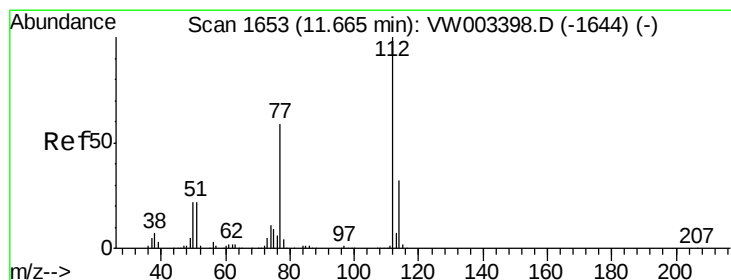
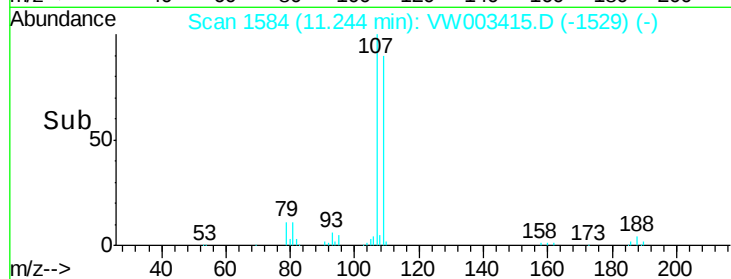
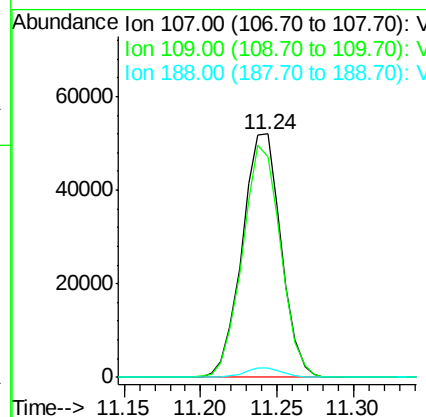
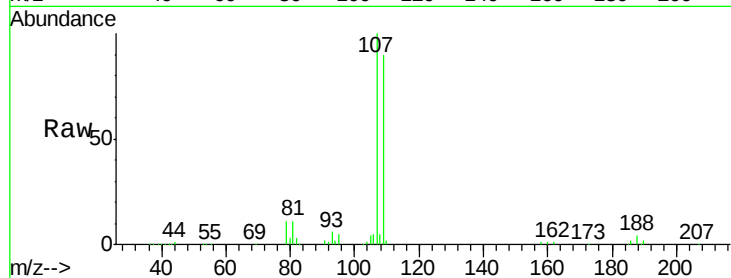




#51
1,2-Dibromoethane
Concen: 25.140 ug/L
RT: 11.24 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

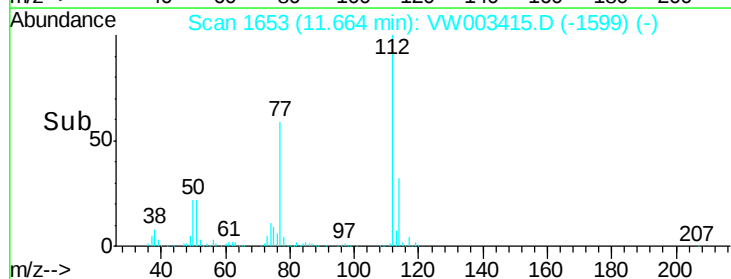
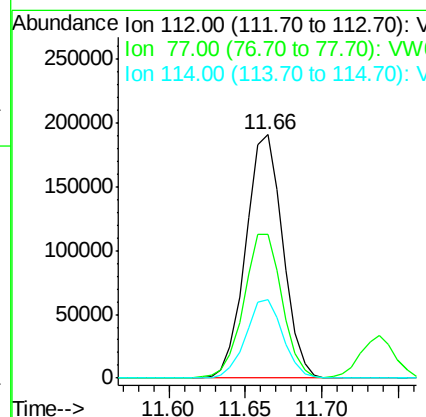
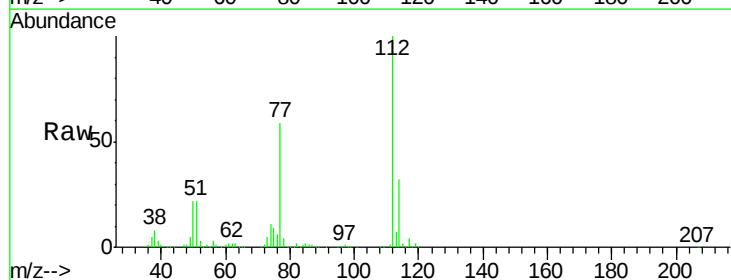
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

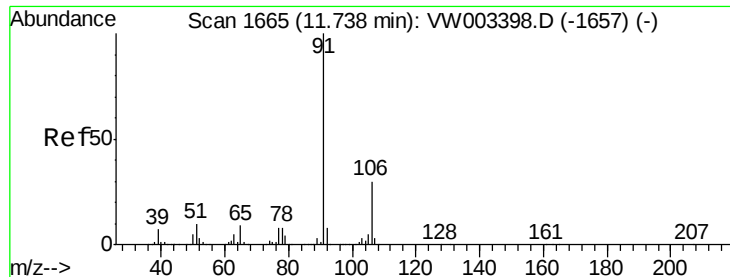
Tgt Ion:107 Resp: 91702
Ion Ratio Lower Upper
107 100
109 90.3 64.5 119.9
188 3.9 2.8 4.2



#52
Chlorobenzene
Concen: 24.434 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

Tgt Ion:112 Resp: 321527
Ion Ratio Lower Upper
112 100
77 59.2 47.3 70.9
114 32.0 22.2 41.2





#53

Ethylbenzene

Concen: 24.683 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

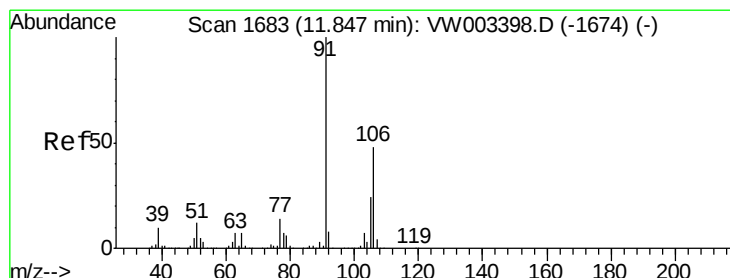
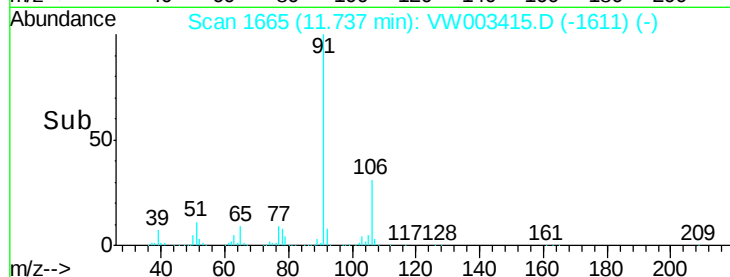
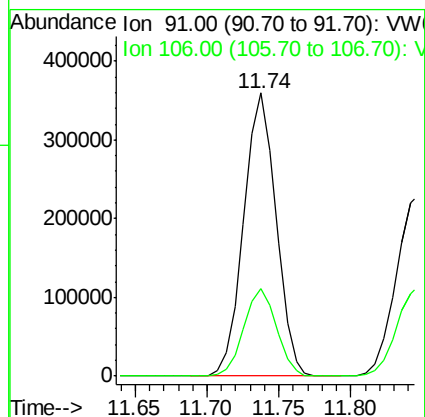
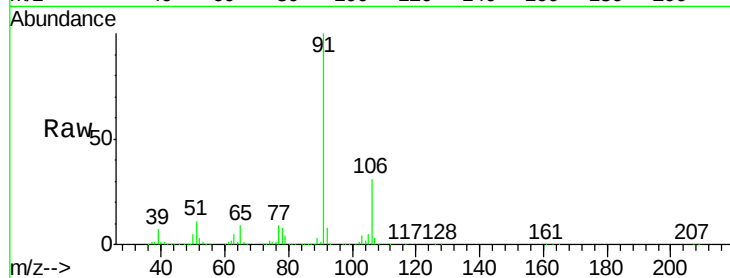
VSTD02596

Tgt Ion: 91 Resp: 561024

Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.4



#54

m,p-Xylene

Concen: 24.992 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003415.D

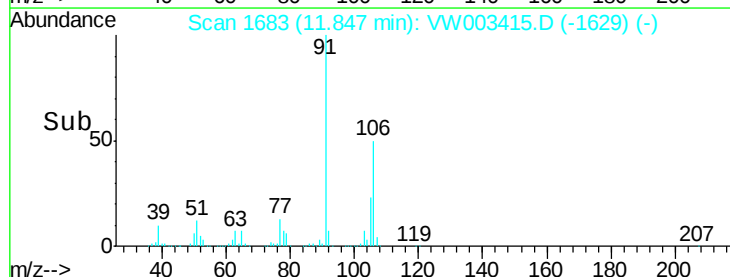
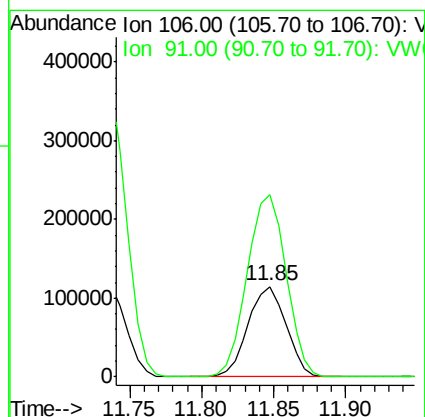
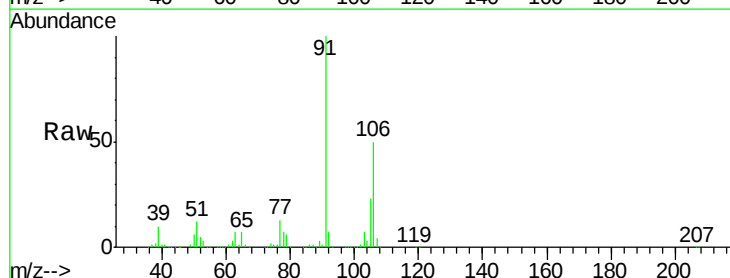
Acq: 22 Jun 2018 03:58

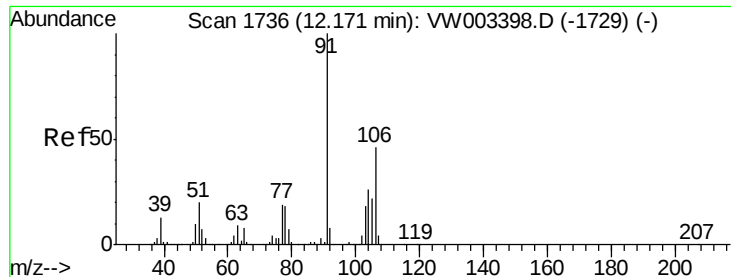
Tgt Ion: 106 Resp: 210978

Ion Ratio Lower Upper

106 100

91 201.5 146.4 271.8

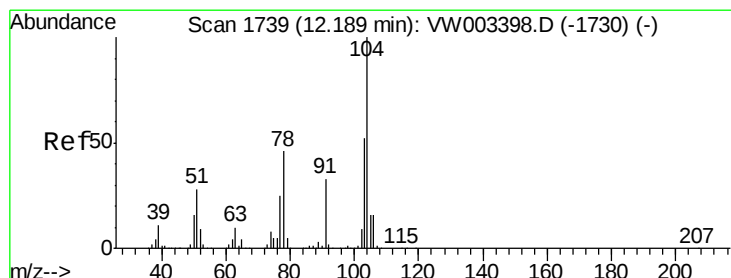
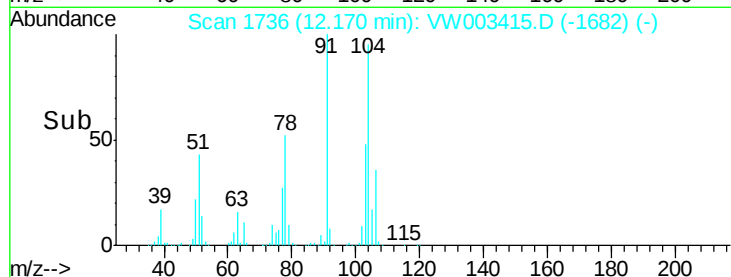
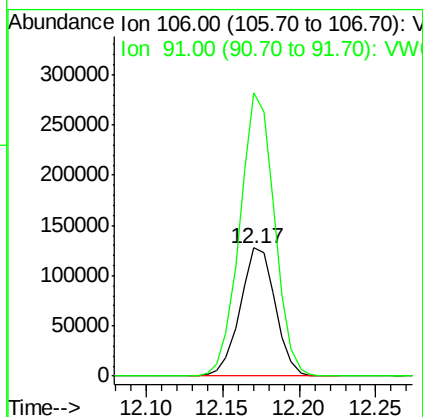
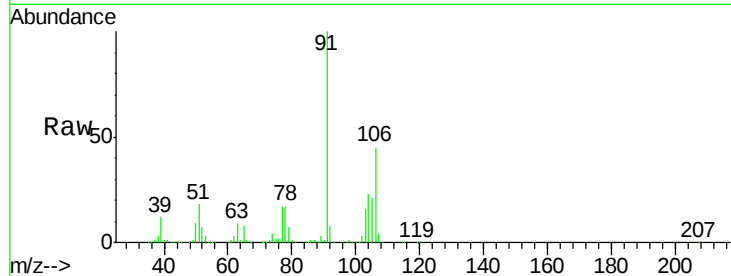




#55
o-xylene
Concen: 25.294 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

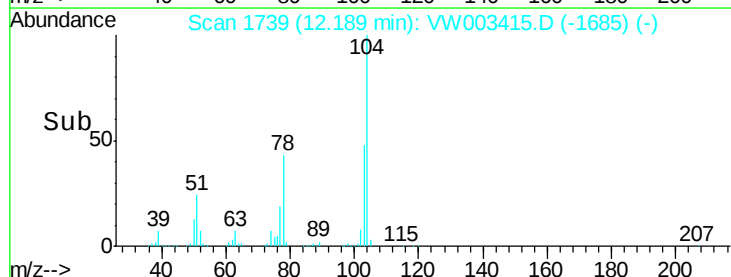
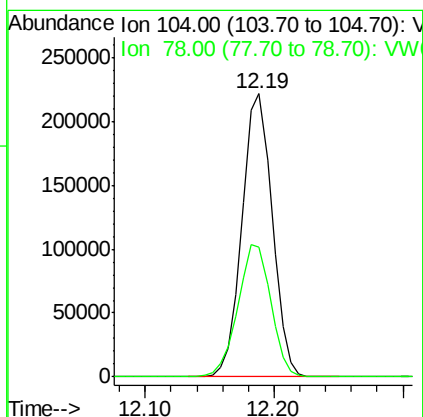
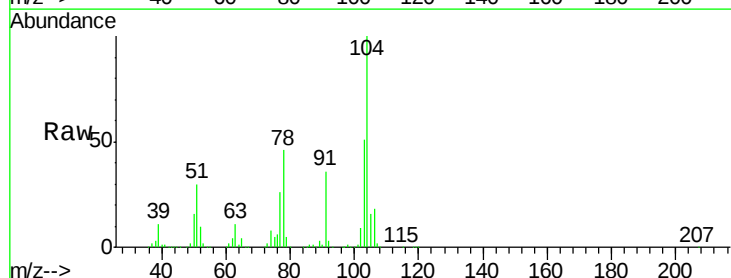
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

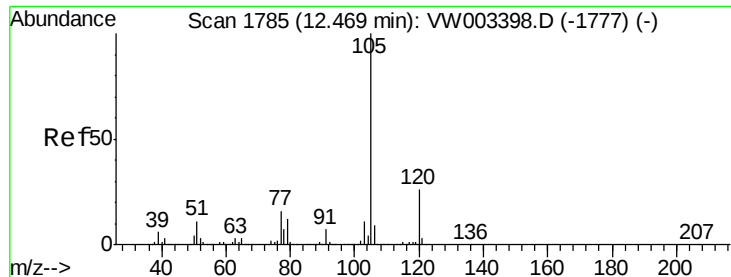
Tgt Ion:106 Resp: 203105
Ion Ratio Lower Upper
106 100
91 221.3 153.4 285.0



#56
Styrene
Concen: 25.947 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

Tgt Ion:104 Resp: 359709
Ion Ratio Lower Upper
104 100
78 45.8 32.1 59.7





#57

Isopropylbenzene

Concen: 24.733 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

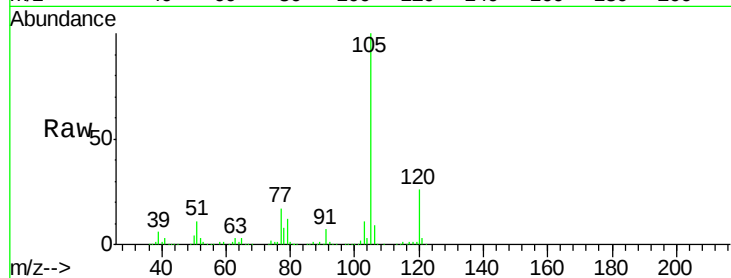
Tgt Ion:105 Resp: 551020

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

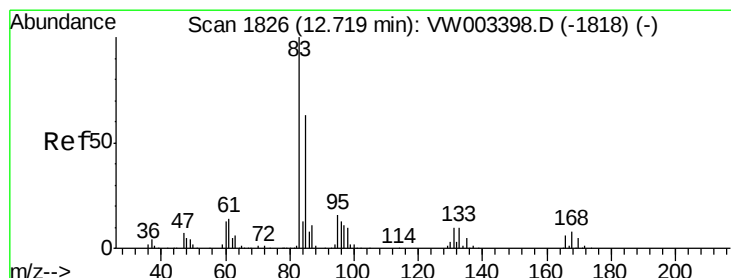
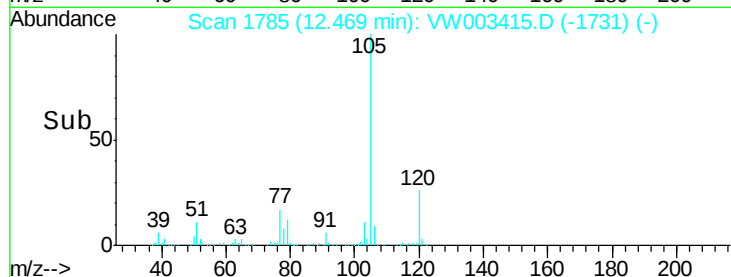
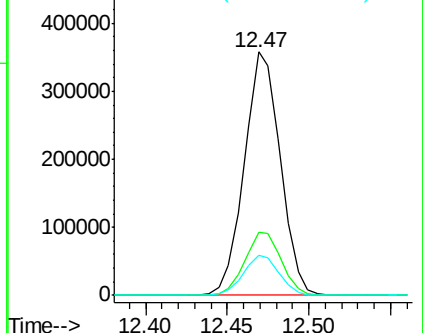
77 16.5 13.3 19.9



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: 25.995 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

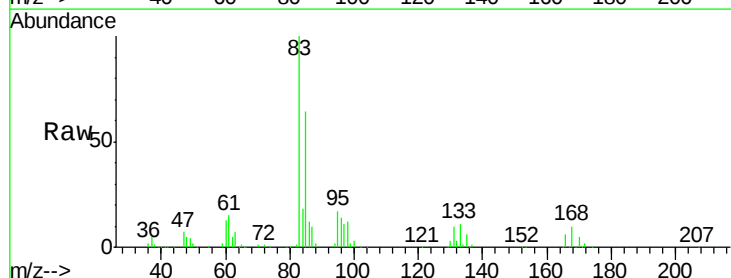
Tgt Ion: 83 Resp: 125793

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

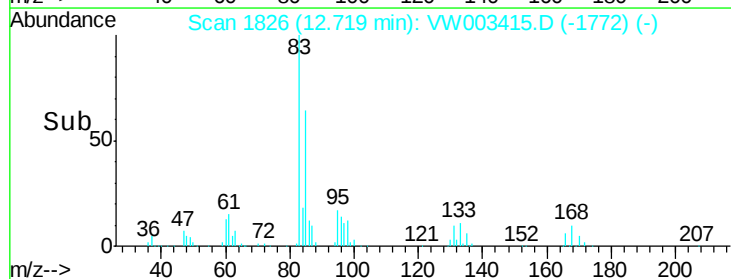
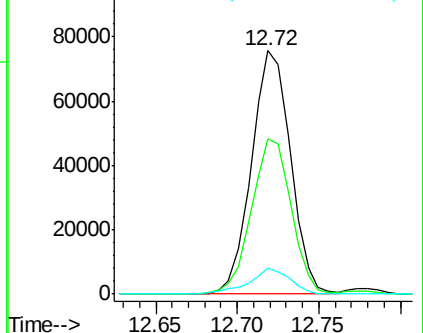
131 10.5 8.2 12.2

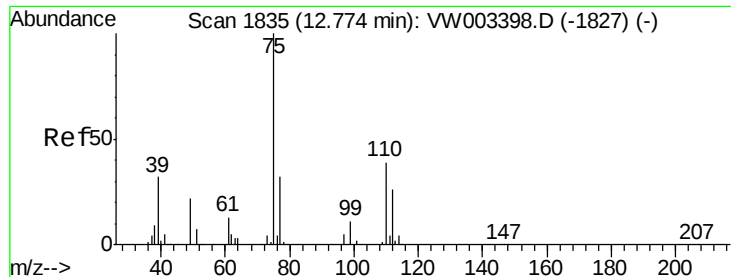


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.867 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

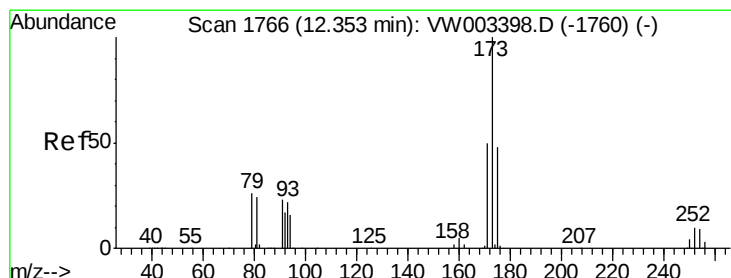
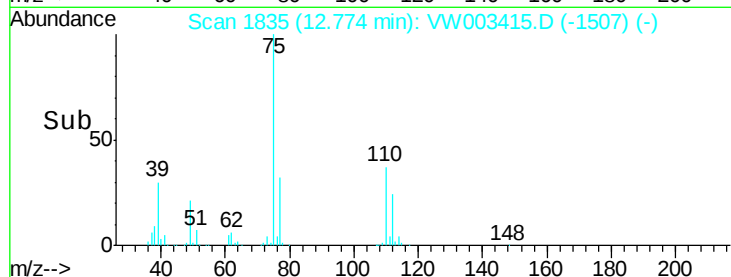
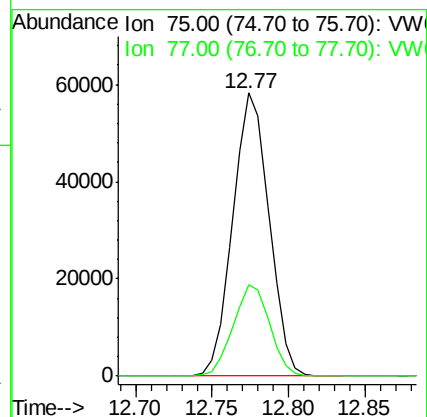
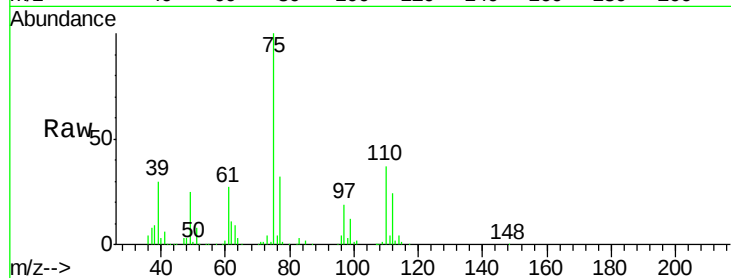
VSTD02596

Tgt Ion: 75 Resp: 95928

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0



#62

Bromoform

Concen: 25.250 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

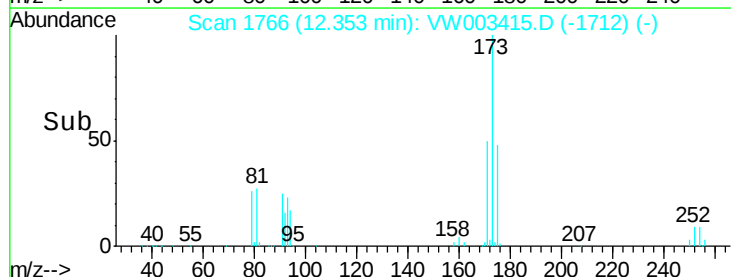
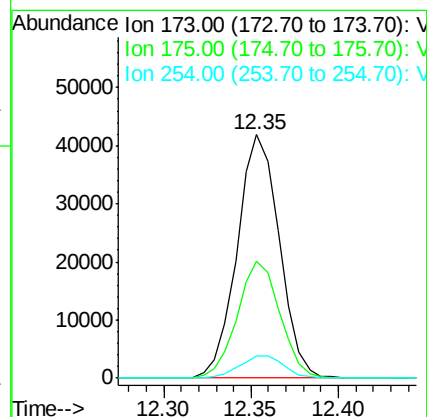
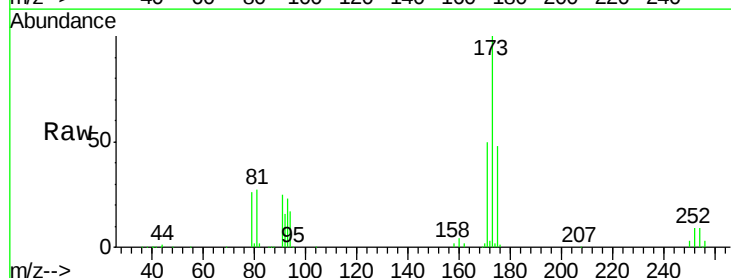
Tgt Ion: 173 Resp: 70221

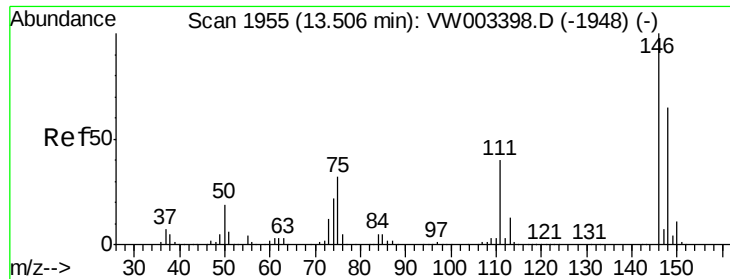
Ion Ratio Lower Upper

173 100

175 48.7 39.9 59.9

254 9.6 7.7 11.5

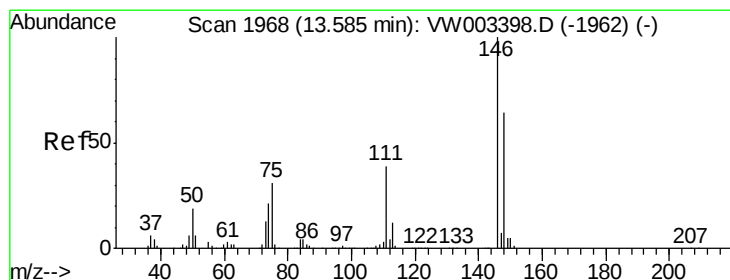
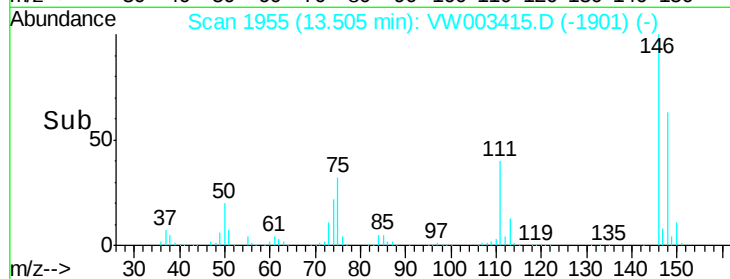
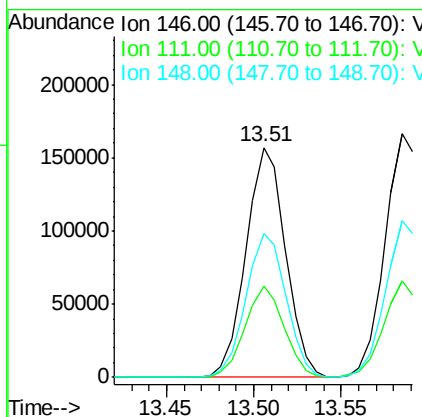
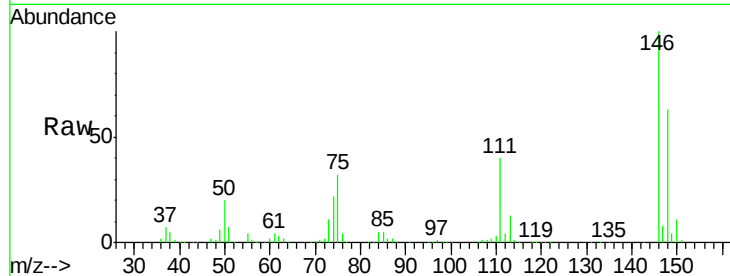




#63
 1,3-Dichlorobenzene
 Concen: 24.344 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

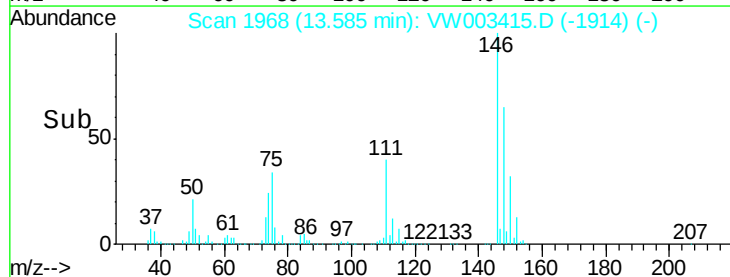
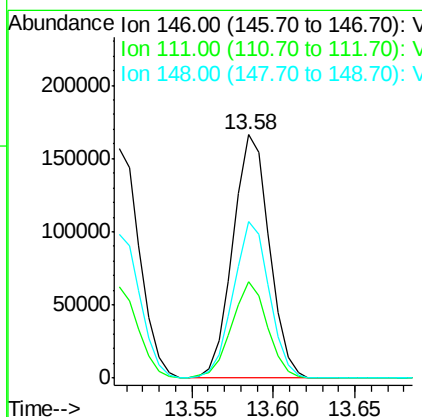
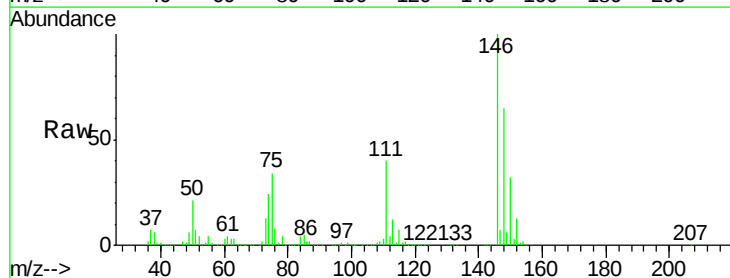
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

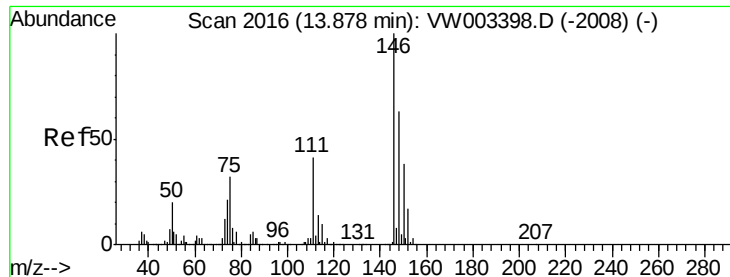
Tgt Ion:146 Resp: 247337
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.9 51.7
 148 62.8 44.9 83.3



#64
 1,4-Dichlorobenzene
 Concen: 24.330 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

Tgt Ion:146 Resp: 259175
 Ion Ratio Lower Upper
 146 100
 111 39.7 26.8 49.8
 148 64.5 45.4 84.2

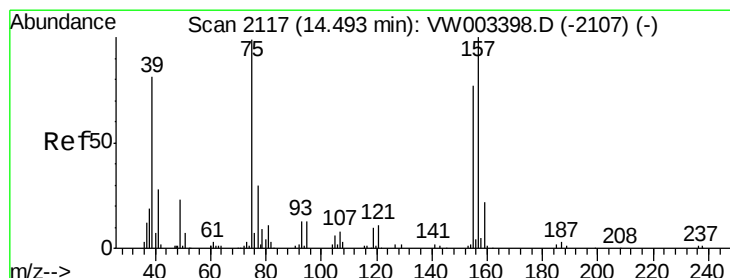
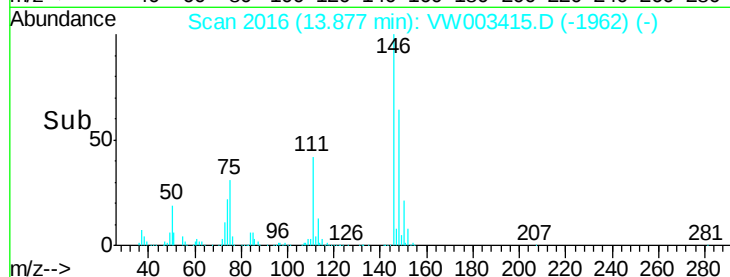
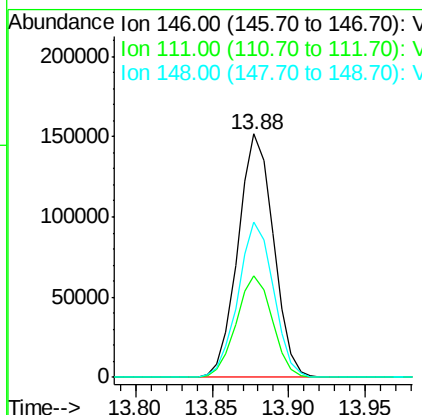
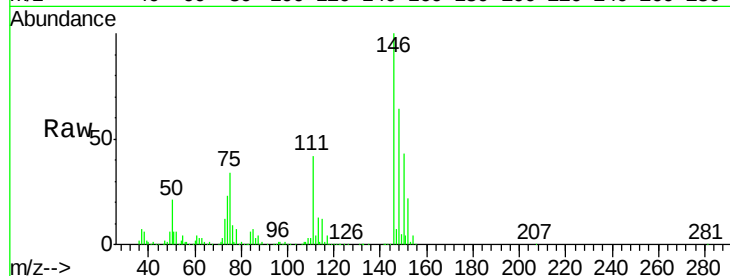




#65
1,2-Dichlorobenzene
Concen: 25.263 ug/L
RT: 13.88 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

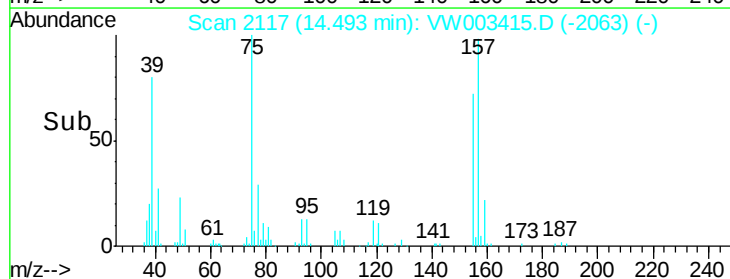
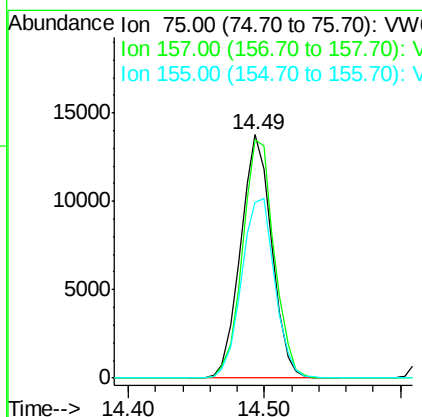
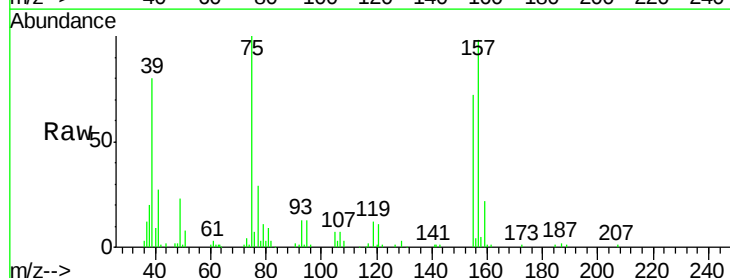
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

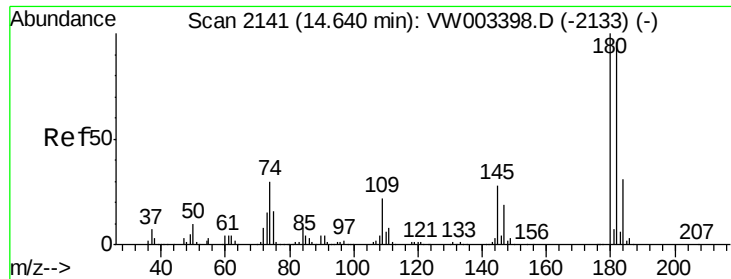
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	33.1	49.7
148	63.6	51.0	76.6



#66
1,2-Dibromo-3-chloropropane
Concen: 25.802 ug/L
RT: 14.49 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VW003415.D
Acq: 22 Jun 2018 03:58

Tgt Ion	Ratio	Lower	Upper
75	100		
157	97.9	70.7	106.1
155	72.3	59.0	88.6

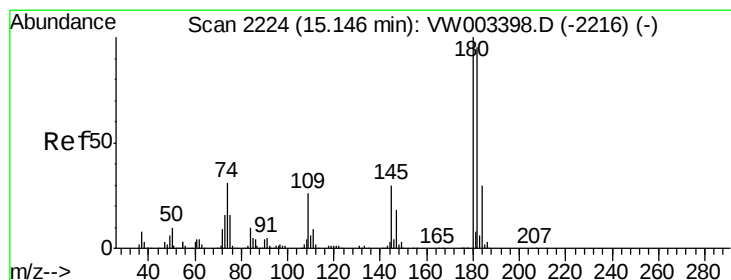
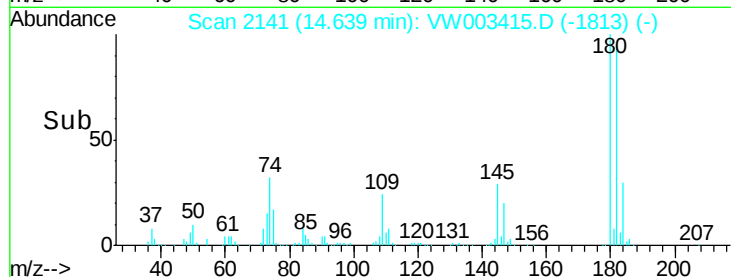
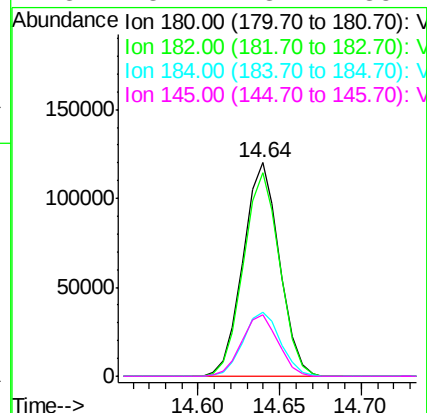
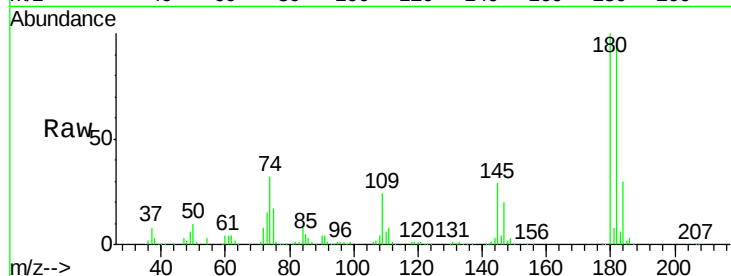




#67
 1,3,5-Trichlorobenzene
 Concen: 23.585 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

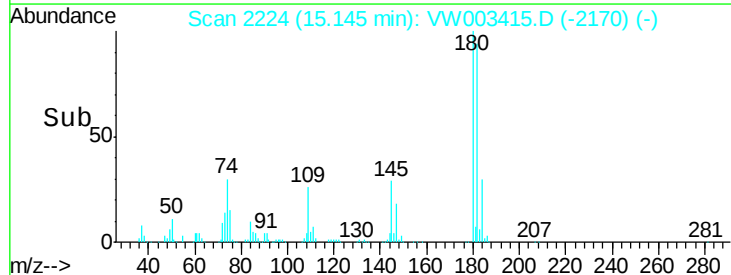
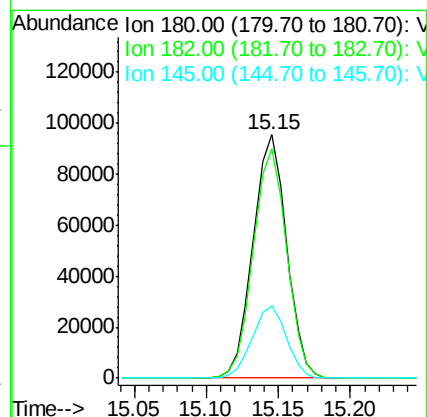
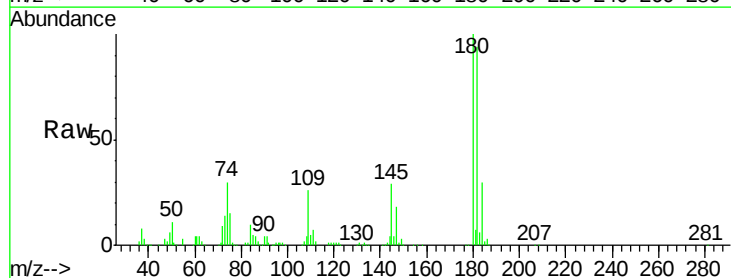
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

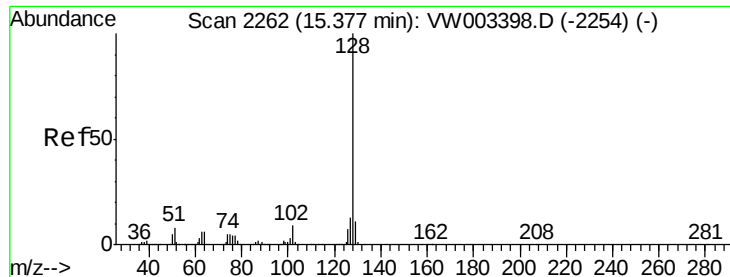
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
184	30.9	24.5	36.7
145	28.7	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 23.899 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003415.D
 Acq: 22 Jun 2018 03:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	74.8	112.2
145	30.2	23.6	35.4





#69

Naphthalene

Concen: 26.859 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

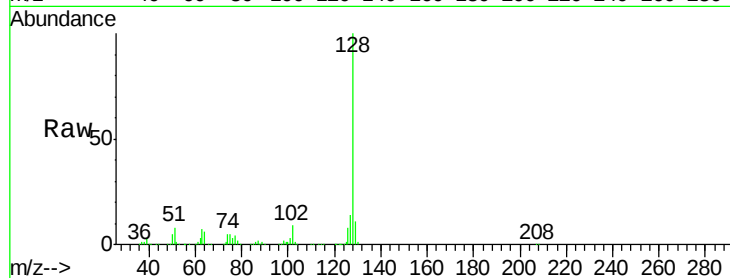
Tgt Ion:128 Resp: 323002

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

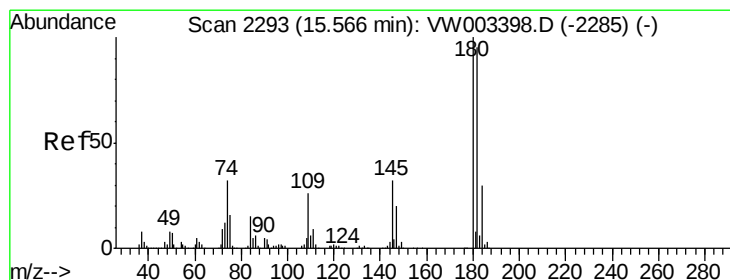
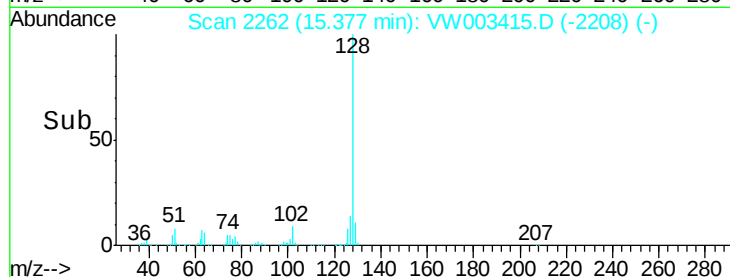
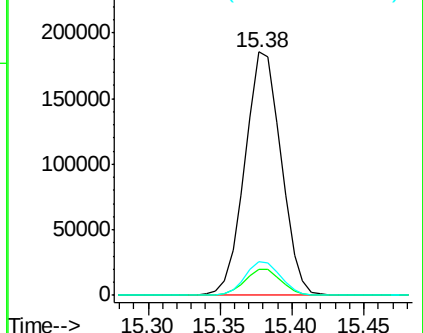
127 13.7 10.9 16.3



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: 25.650 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003415.D

Acq: 22 Jun 2018 03:58

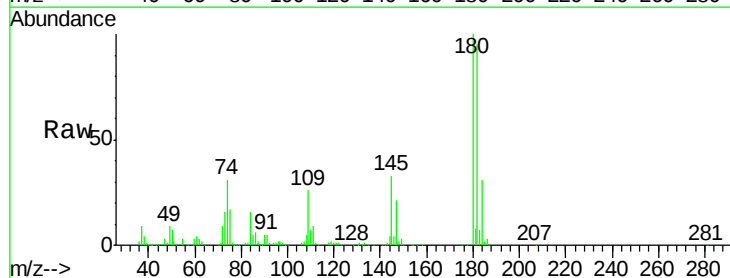
Tgt Ion:180 Resp: 151093

Ion Ratio Lower Upper

180 100

182 95.3 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

