

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW113018\
 Data File : VW007154.D
 Acq On : 30 Nov 2018 20:40
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Quant Time: Nov 30 22:57:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 30 15:51:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	164955	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	161747	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	80510	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	25671	18.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.16%
7) Chloroethane-d5	2.89	69	19381	19.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.04%
10) 1,1-Dichloroethene-d2	4.03	63	72616	19.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.44%
20) 2-Butanone-d5	7.08	46	22557	39.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.38%
24) Chloroform-d	7.65	84	69550	20.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.52%
26) 1,2-Dichloroethane-d4	8.31	65	40962	20.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.92%
29) Benzene-d6	8.27	84	153962	20.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.12%
33) 1,2-Dichloropropane-d6	9.27	67	43635	19.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.28%
37) Toluene-d8	10.33	98	163230	20.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.32%
38) trans-1,3-Dichloropropene-	10.58	79	22154	20.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.32%
39) 2-Hexanone-d5	10.93	63	22195	43.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	41441	20.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	61265	20.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	67991	22.553	ug/L 99
3) Chloromethane	2.21	50	46794	22.223	ug/L 100
5) Vinyl chloride	2.36	62	42143	22.358	ug/L 100
6) Bromomethane	2.77	94	25133	23.242	ug/L 98
8) Chloroethane	2.92	64	22155	21.811	ug/L 93
9) Trichlorofluoromethane	3.26	101	79638	22.550	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	46704	22.410	ug/L 99
12) 1,1-Dichloroethene	4.04	96	41612	22.661	ug/L 90
13) Acetone	4.13	43	18051	45.338	ug/L 99
14) Carbon disulfide	4.39	76	150992	23.234	ug/L 99
15) Methyl Acetate	4.68	43	21947	22.231	ug/L 98
16) Methylene chloride	4.92	84	55408	21.010	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	114431	24.246	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	47022	23.160	ug/L 94
19) 1,1-Dichloroethane	6.22	63	79746	23.745	ug/L 98
21) 2-Butanone	7.17	43	27559	45.090	ug/L 97
22) cis-1,2-Dichloroethene	7.18	96	51481	23.712	ug/L 98

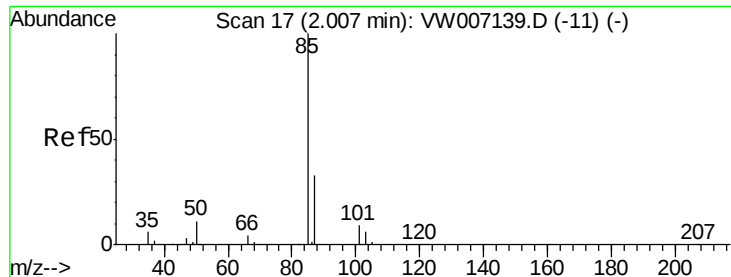
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	23003	24.350	ug/L	87
25) Chloroform	7.68	83	87922	24.130	ug/L	100
27) 1,2-Dichloroethane	8.40	62	57863	23.938	ug/L	100
30) Cyclohexane	7.96	56	82714	23.462	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	79243	23.660	ug/L	100
32) Carbon tetrachloride	8.07	117	72017	23.691	ug/L	99
34) Benzene	8.32	78	196743	23.473	ug/L	100
35) Trichloroethene	9.09	95	53156	23.391	ug/L	99
36) Methylcyclohexane	9.34	83	98325	23.302	ug/L	98
40) 1,2-Dichloropropane	9.37	63	47969	23.860	ug/L	99
41) Bromodichloromethane	9.65	83	62734	23.834	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	75517	23.650	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	68186	45.834	ug/L	99
44) Toluene	10.39	91	239513	23.849	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	65773	23.445	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	37632	23.769	ug/L	98
47) Tetrachloroethene	10.87	164	46138	23.242	ug/L	95
49) 2-Hexanone	10.97	43	49180	48.836	ug/L	99
50) Dibromochloromethane	11.13	129	47243	24.498	ug/L	100
51) 1,2-Dibromoethane	11.24	107	37930	23.642	ug/L #	97
52) Chlorobenzene	11.66	112	159367	24.070	ug/L	97
53) Ethylbenzene	11.73	91	279946	24.043	ug/L	99
54) m,p-Xylene	11.84	106	108608	23.906	ug/L	97
55) o-xylene	12.17	106	103280	24.514	ug/L	97
56) Styrene	12.18	104	174876	24.545	ug/L	100
57) Isopropylbenzene	12.47	105	279689	23.873	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	49481	24.594	ug/L	91
59) 1,2,3-Trichloropropane	12.77	75	36498	23.213	ug/L	98
62) Bromoform	12.35	173	25550	23.177	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	128669	24.286	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	127639	23.952	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	116293	23.988	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	9445	24.024	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	94531	23.758	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	81117	23.982	ug/L	99
69) Naphthalene	15.37	128	175954	24.431	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	71543	24.239	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 22.553 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

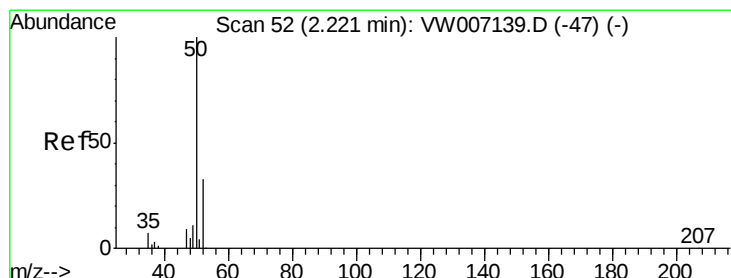
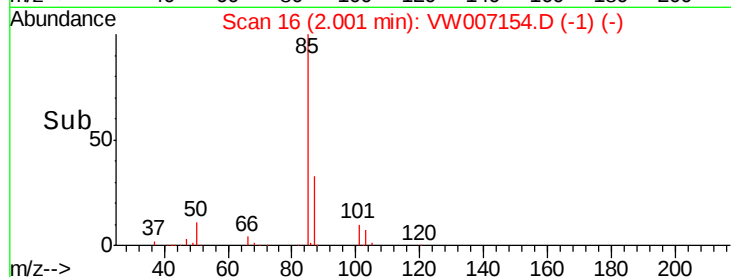
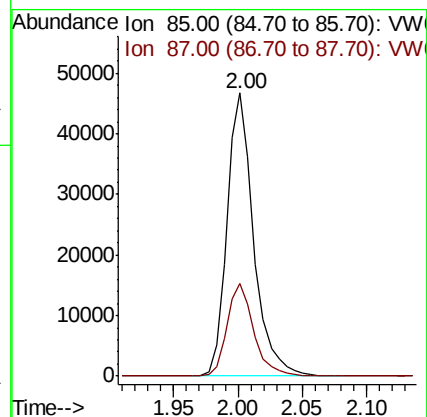
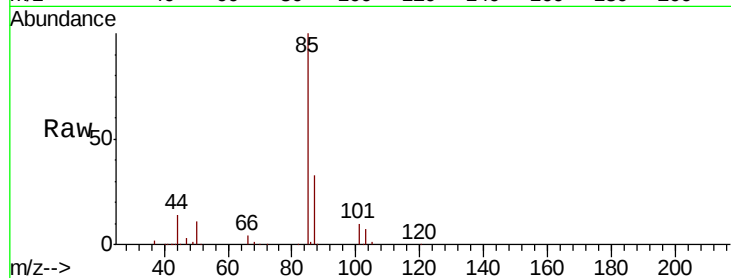
VSTD02589

Tgt Ion: 85 Resp: 67991

Ion Ratio Lower Upper

85 100

87 32.7 22.5 41.9



#3

Chloromethane

Concen: 22.223 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007154.D

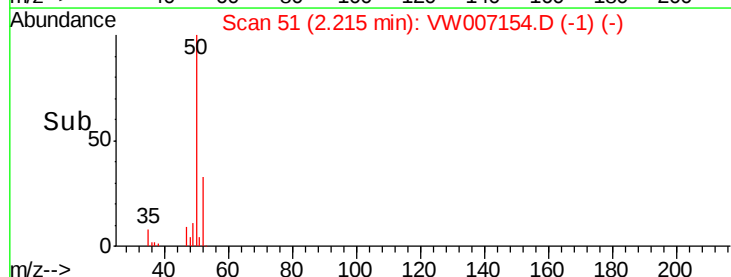
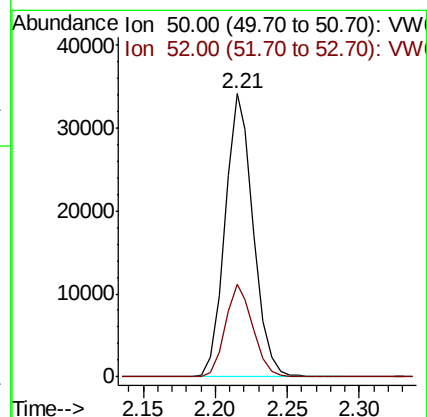
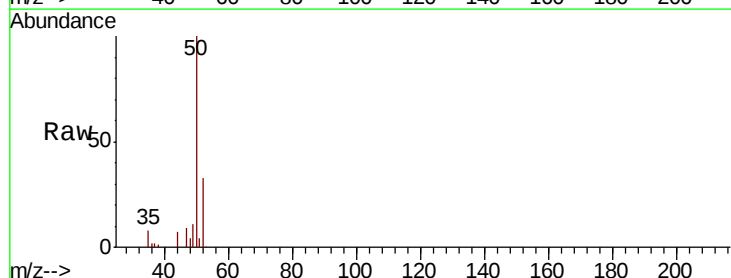
Acq: 30 Nov 2018 20:40

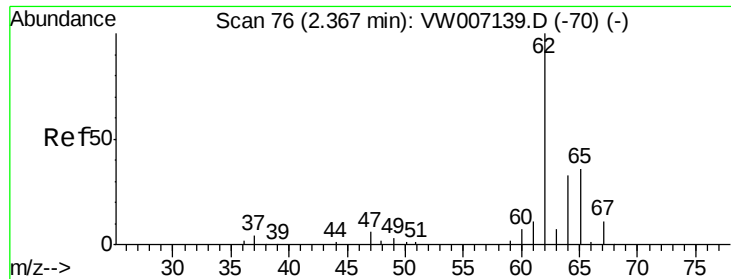
Tgt Ion: 50 Resp: 46794

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.6





#5

Vinyl chloride

Concen: 22.358 ug/L

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

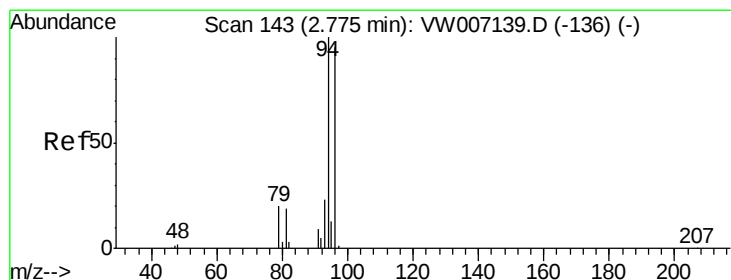
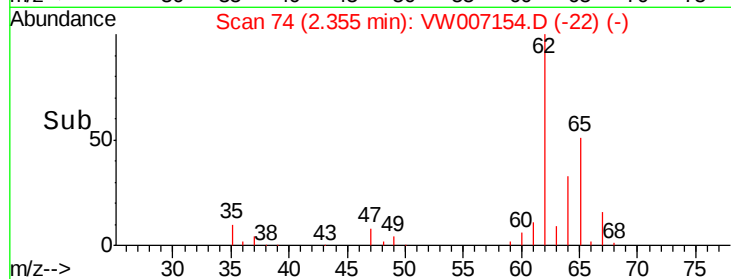
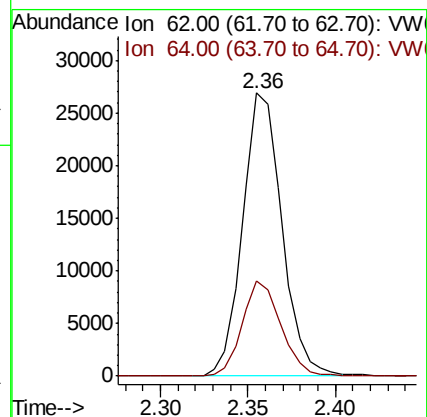
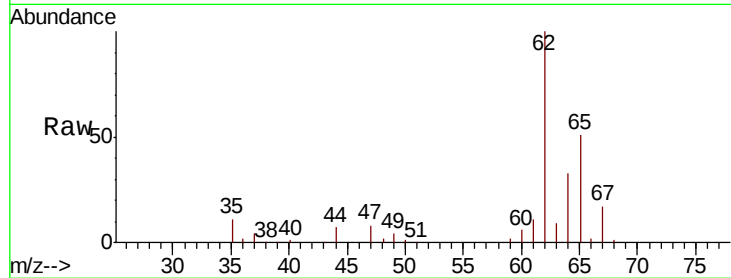
VSTD02589

Tgt Ion: 62 Resp: 42143

Ion Ratio Lower Upper

62 100

64 33.4 23.5 43.7



#6

Bromomethane

Concen: 23.242 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW007154.D

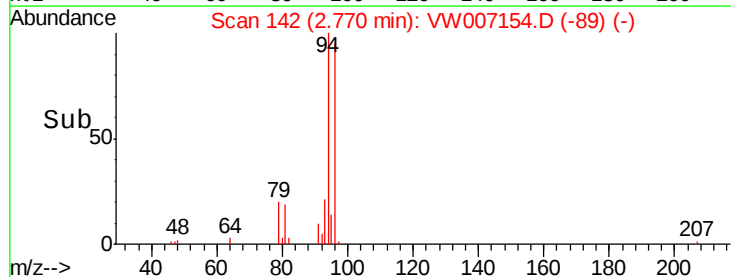
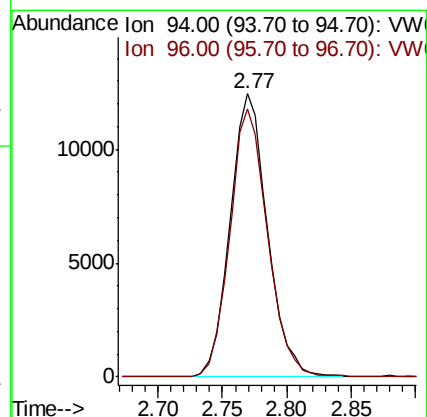
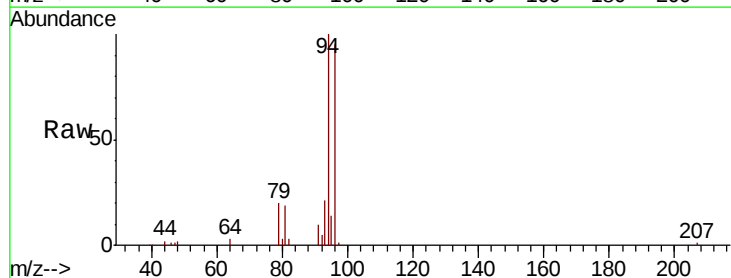
Acq: 30 Nov 2018 20:40

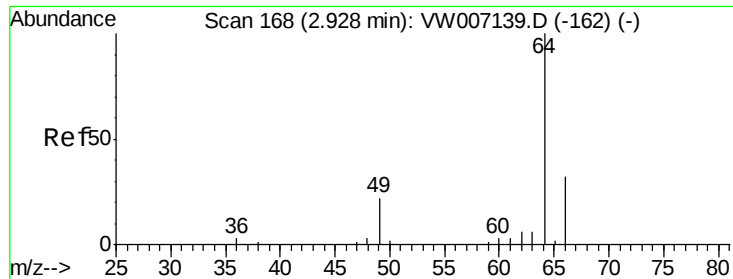
Tgt Ion: 94 Resp: 25133

Ion Ratio Lower Upper

94 100

96 95.2 9.3 176.7

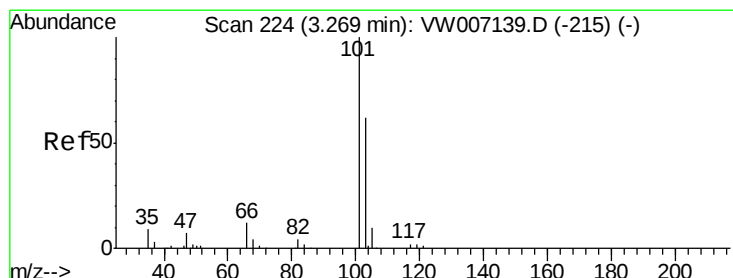
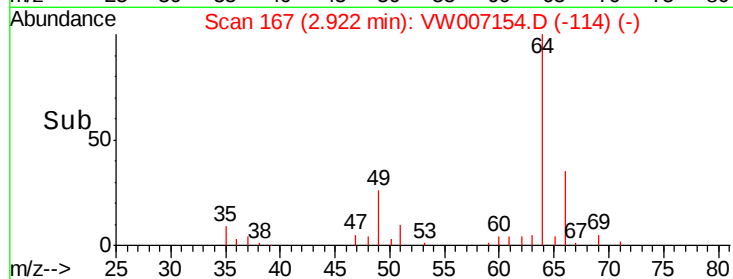
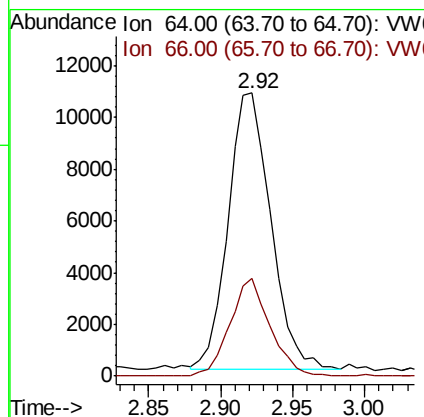
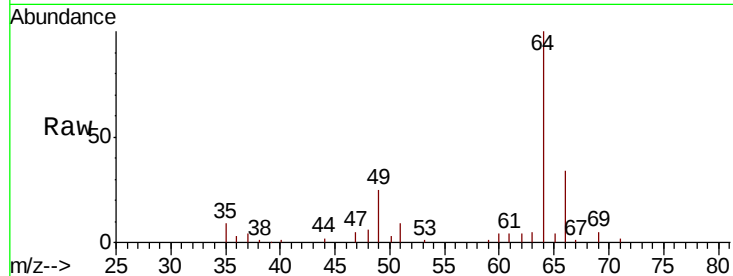




#8
Chloroethane
Concen: 21.811 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

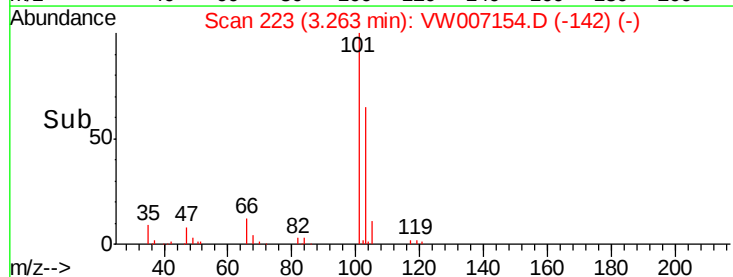
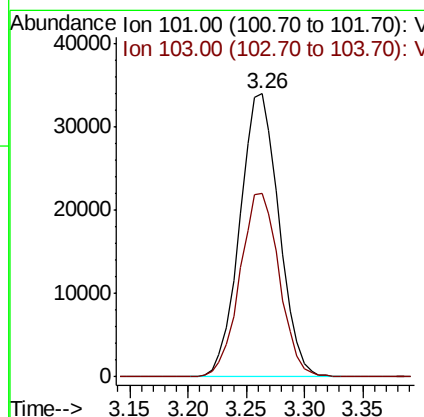
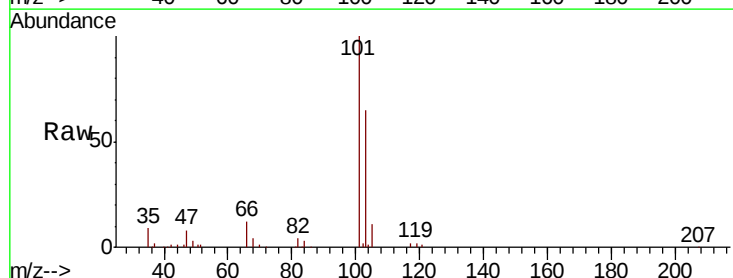
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

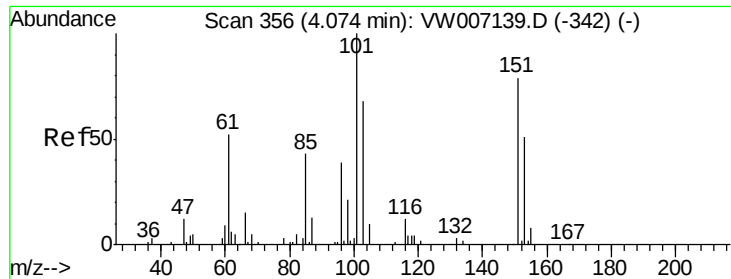
Tgt Ion: 64 Resp: 22155
Ion Ratio Lower Upper
64 100
66 34.4 21.4 39.8



#9
Trichlorofluoromethane
Concen: 22.550 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

Tgt Ion: 101 Resp: 79638
Ion Ratio Lower Upper
101 100
103 65.2 44.4 82.4





#11

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

Concen: 22.410 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

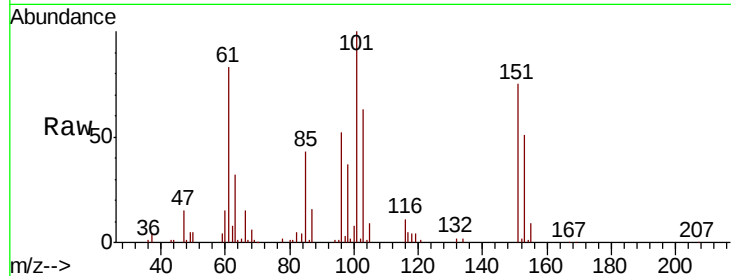
Tgt Ion: 101 Resp: 46704

Ion Ratio Lower Upper

101 100

85 42.6 34.8 52.2

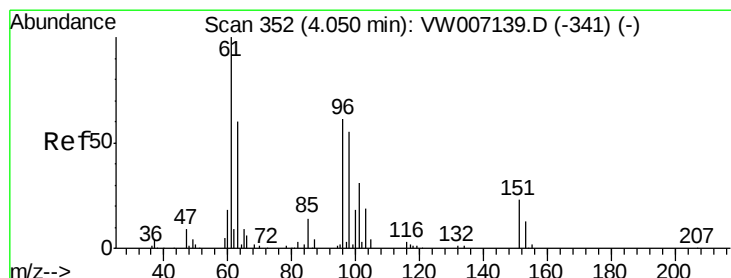
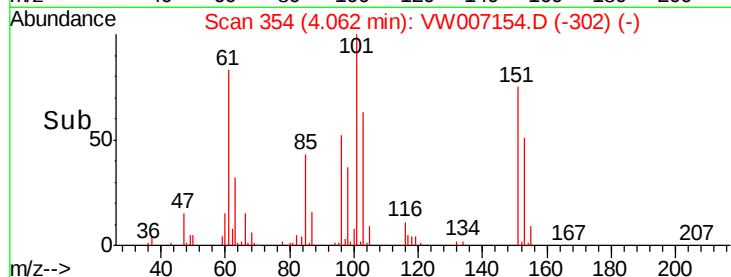
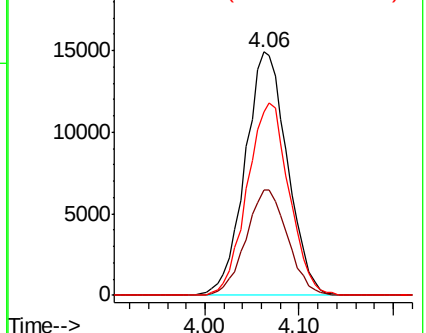
151 78.5 62.8 94.2



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: 22.661 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

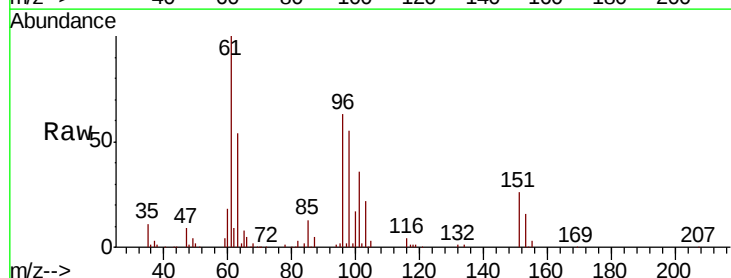
Tgt Ion: 96 Resp: 41612

Ion Ratio Lower Upper

96 100

61 158.5 114.9 213.5

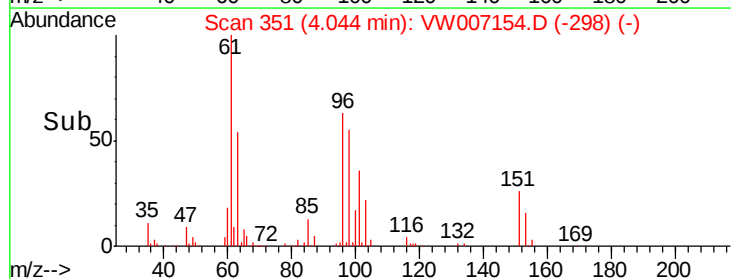
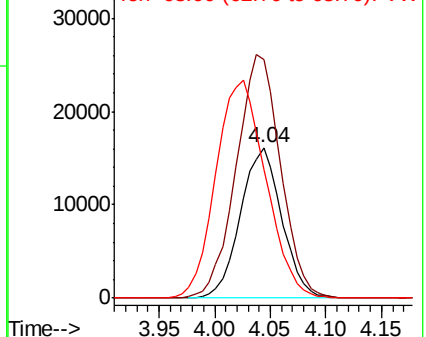
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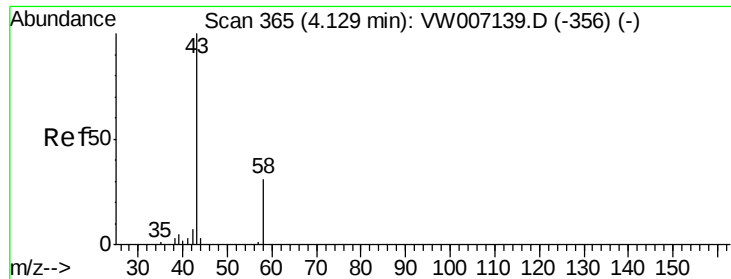


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.338 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

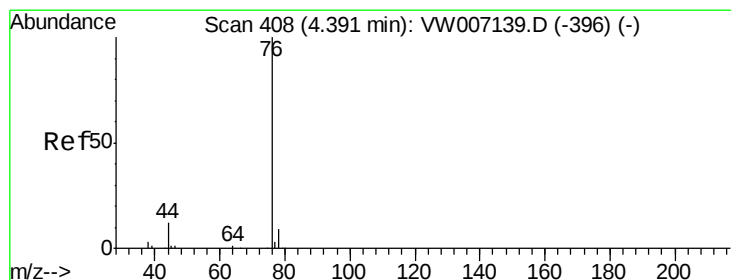
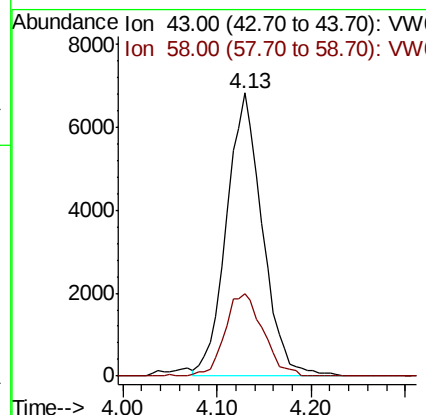
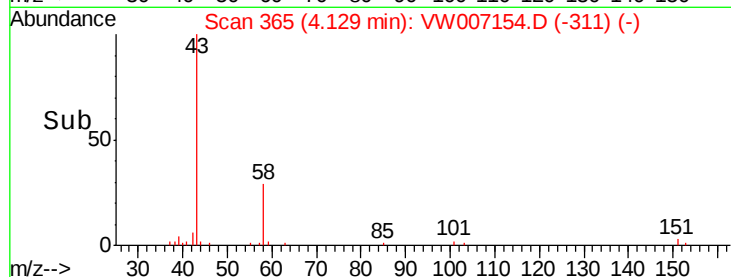
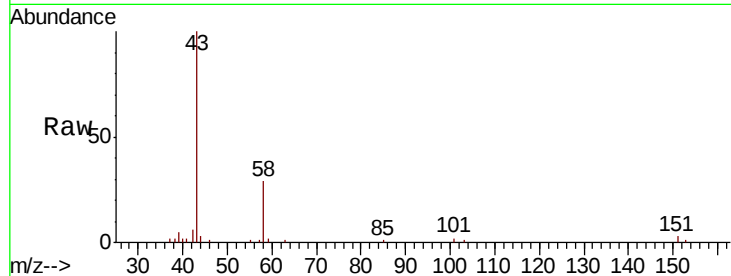
VSTD02589

Tgt Ion: 43 Resp: 18051

Ion Ratio Lower Upper

43 100

58 30.9 0.0 62.4



#14

Carbon disulfide

Concen: 23.234 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW007154.D

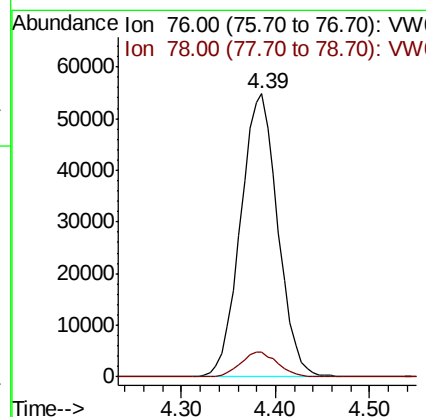
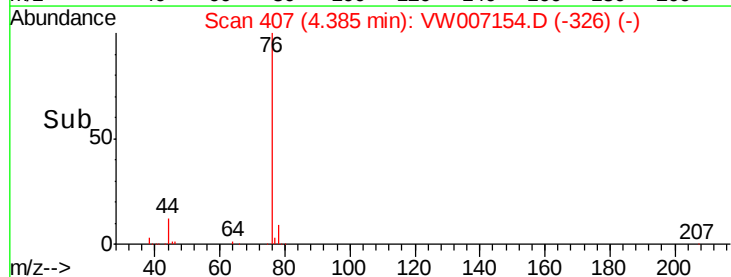
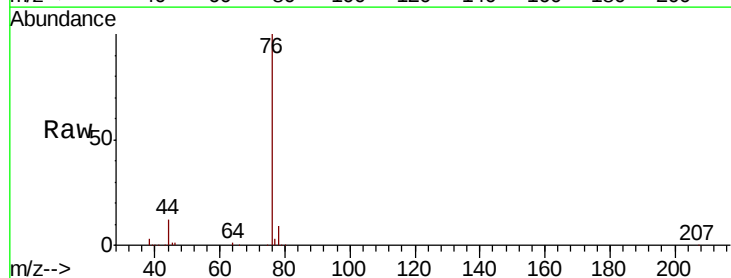
Acq: 30 Nov 2018 20:40

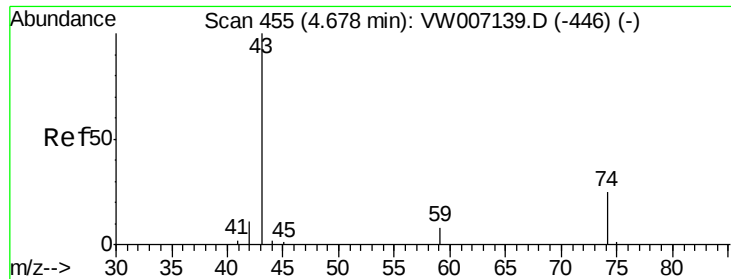
Tgt Ion: 76 Resp: 150992

Ion Ratio Lower Upper

76 100

78 8.8 6.9 10.3

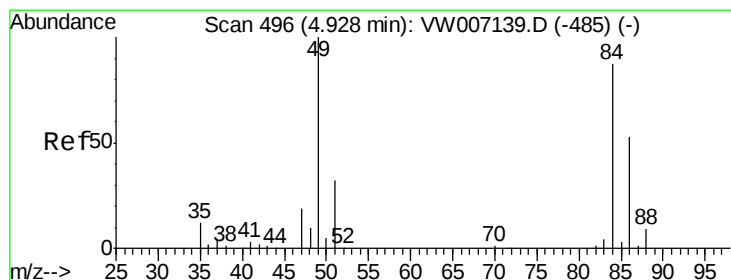
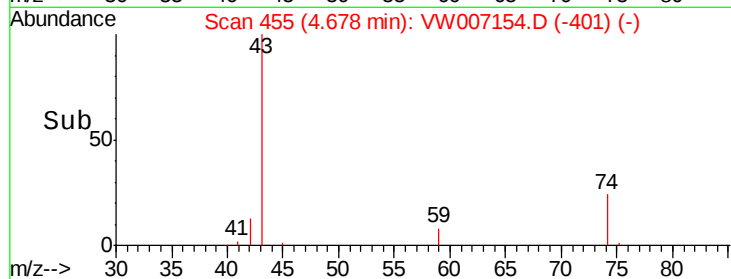
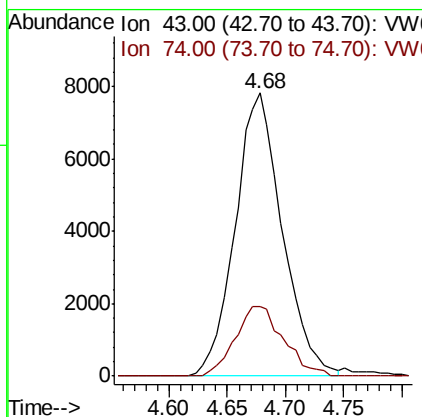
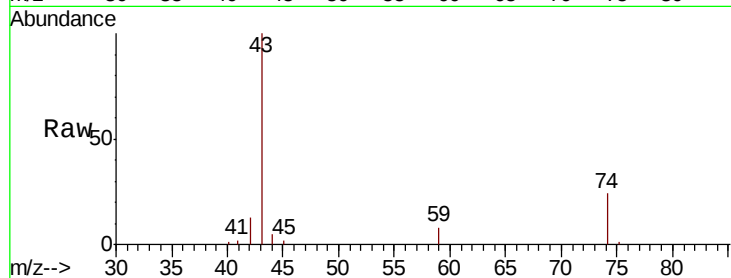




#15
Methyl Acetate
Concen: 22.231 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

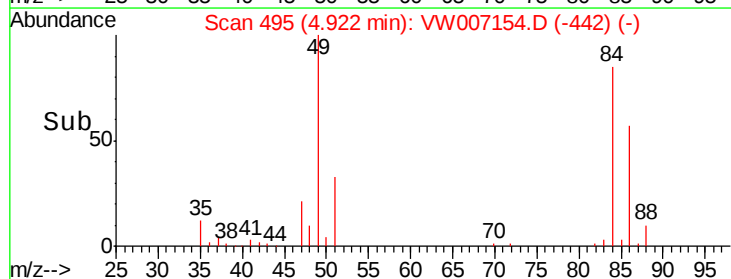
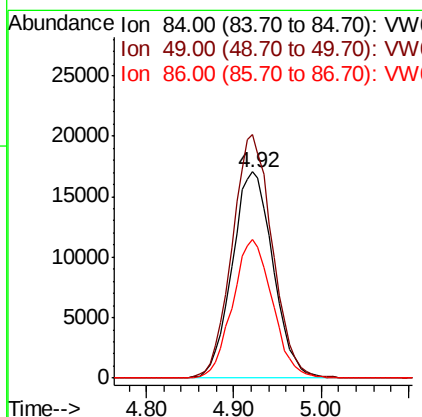
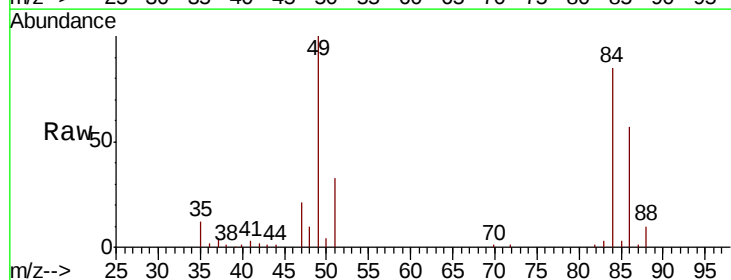
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

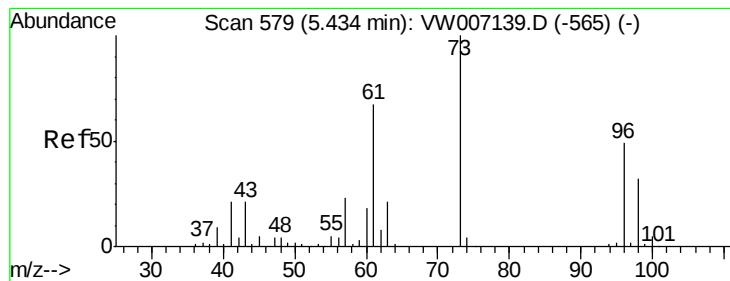
Tgt Ion: 43 Resp: 21947
Ion Ratio Lower Upper
43 100
74 25.3 19.3 28.9



#16
Methylene chloride
Concen: 21.010 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

Tgt Ion: 84 Resp: 55408
Ion Ratio Lower Upper
84 100
49 118.1 80.9 150.3
86 67.4 42.8 79.6





#17

Methyl tert-butyl Ether

Concen: 24.246 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

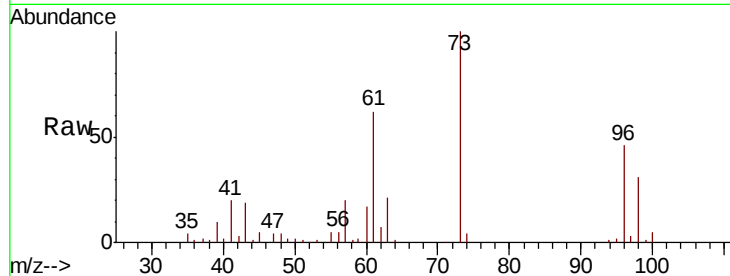
Tgt Ion: 73 Resp: 114431

Ion Ratio Lower Upper

73 100

43 20.2 16.3 24.5

57 21.0 17.4 26.0

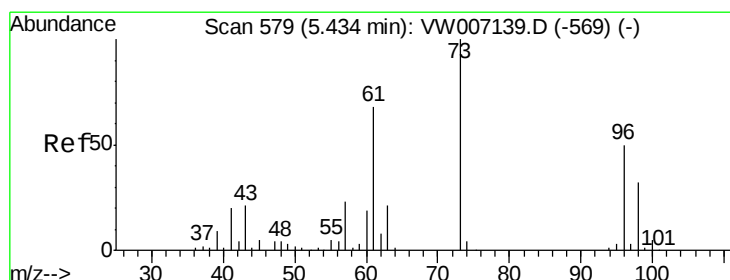
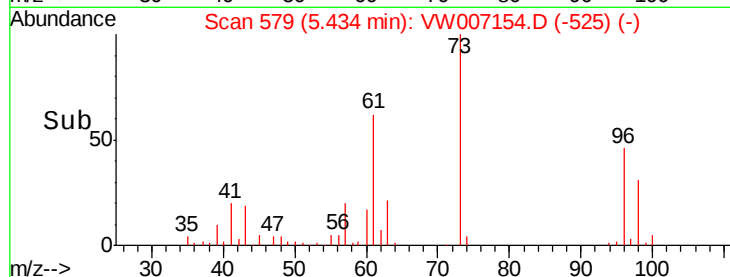
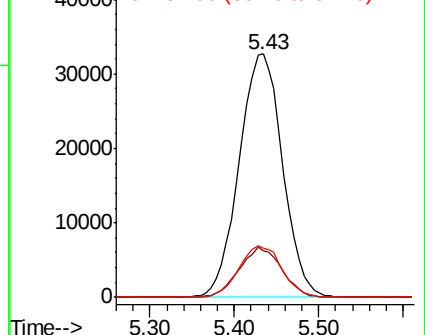


Abundance

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: 23.160 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

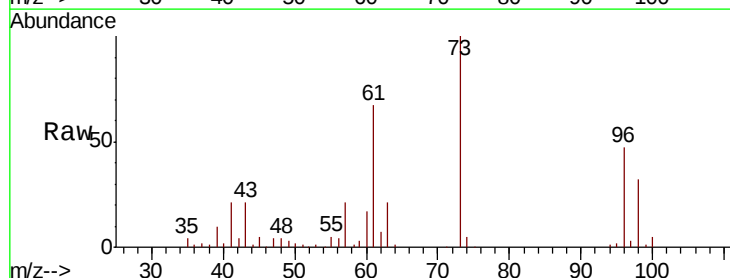
Tgt Ion: 96 Resp: 47022

Ion Ratio Lower Upper

96 100

61 143.6 94.8 176.2

98 68.1 44.9 83.5

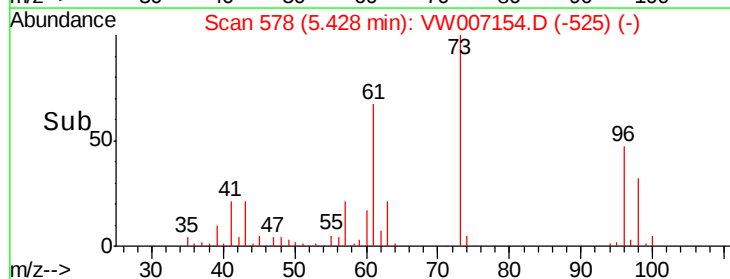
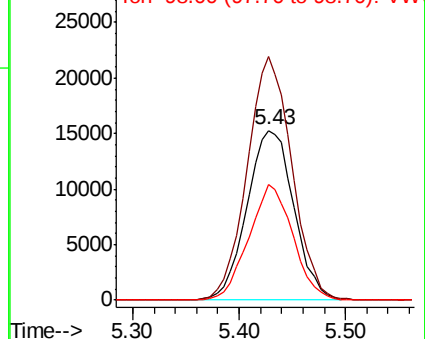


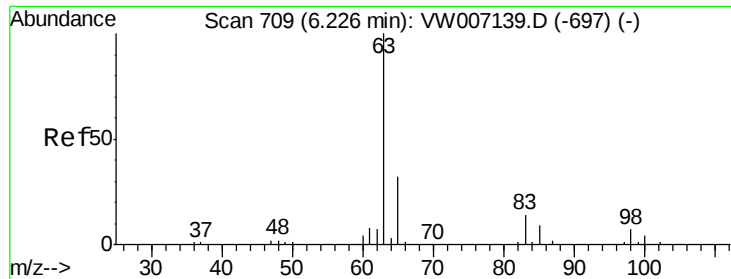
Abundance

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

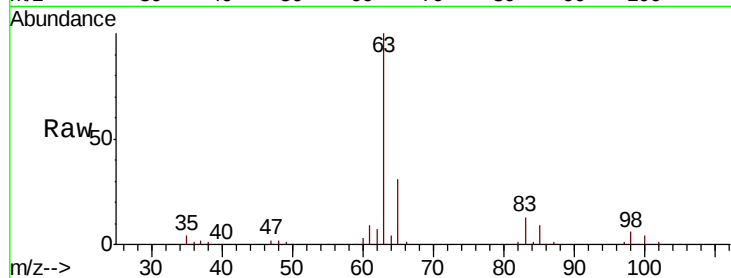




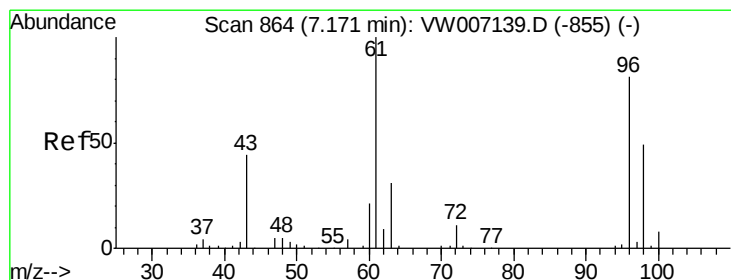
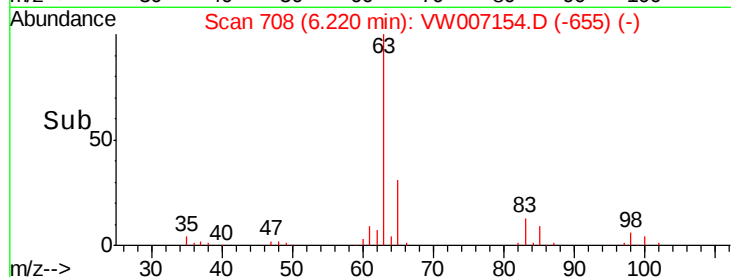
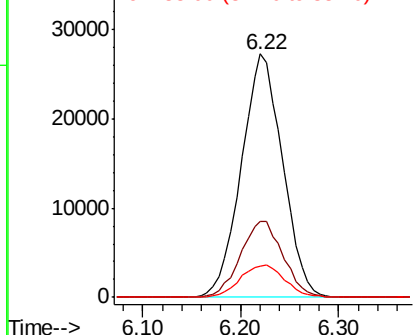
#19
 1,1-Dichloroethane
 Concen: 23.745 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion: 63 Resp: 79746
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.4 41.6
 83 12.8 9.7 17.9

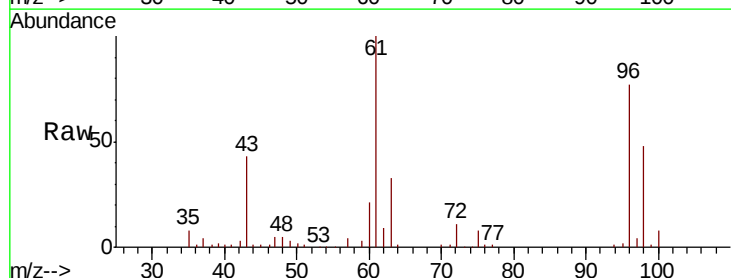


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

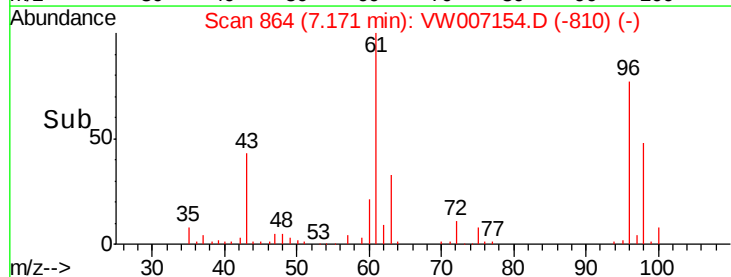
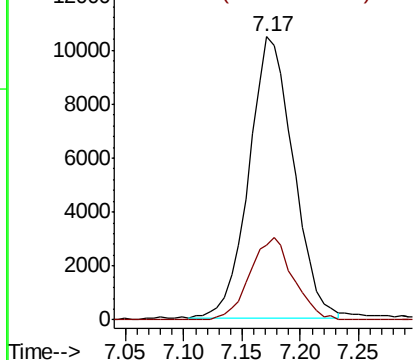


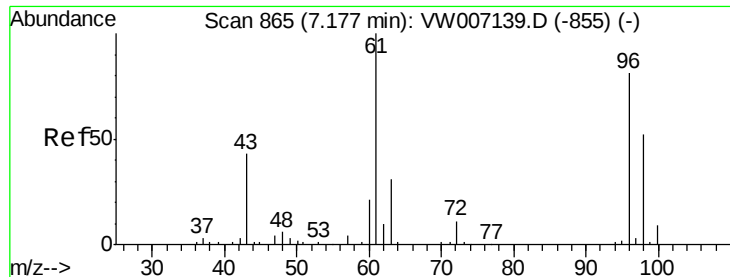
#21
 2-Butanone
 Concen: 45.090 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

Tgt Ion: 43 Resp: 27559
 Ion Ratio Lower Upper
 43 100
 72 28.6 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW



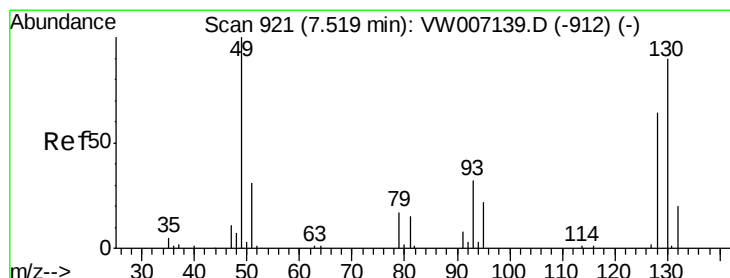
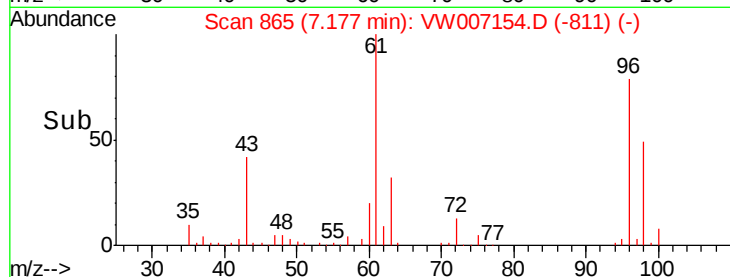
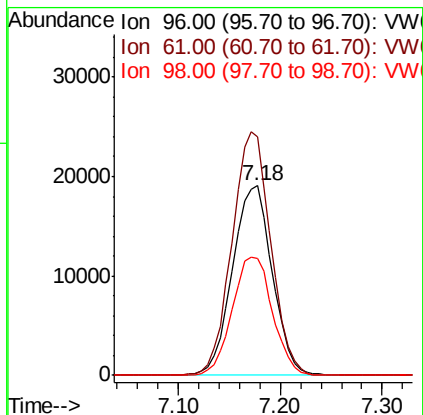
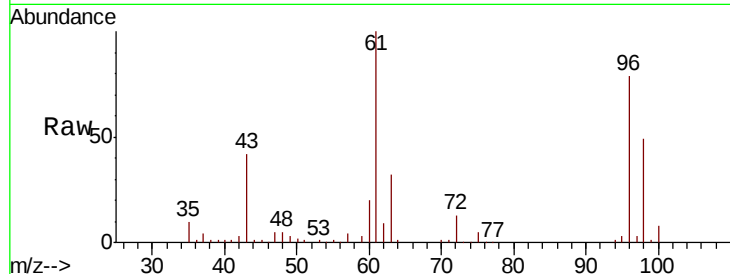


#22

cis-1,2-Dichloroethene
Concen: 23.712 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

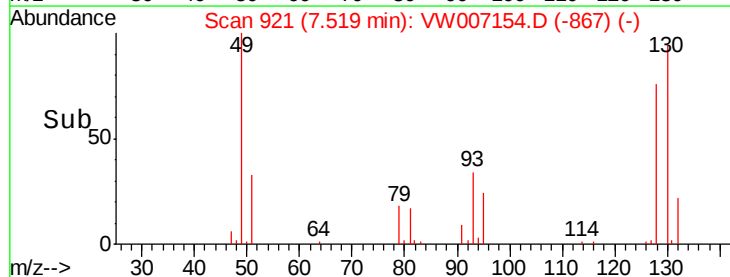
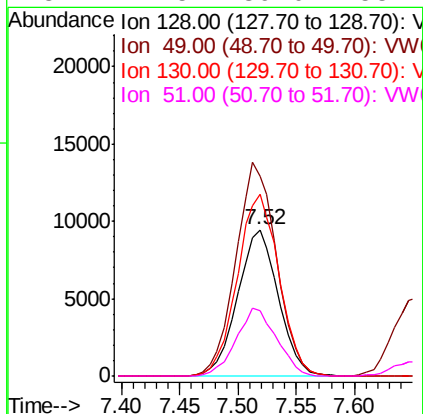
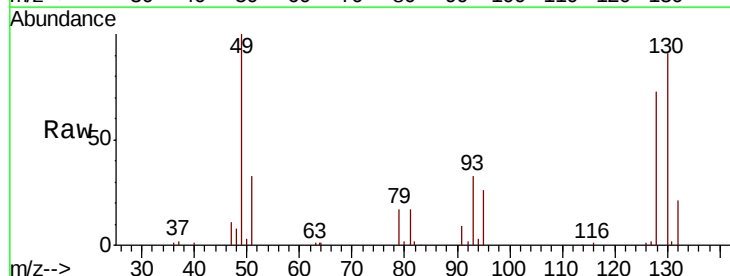
Tgt Ion: 96 Resp: 51481
Ion Ratio Lower Upper
96 100
61 125.8 87.3 162.1
98 61.4 45.2 84.0

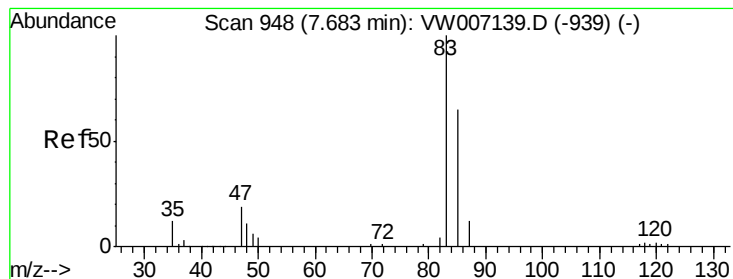


#23

Bromochloromethane
Concen: 24.350 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

Tgt Ion: 128 Resp: 23003
Ion Ratio Lower Upper
128 100
49 136.6 109.9 204.1
130 124.3 98.2 182.4
51 44.5 39.0 58.4





#25

Chloroform

Concen: 24.130 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

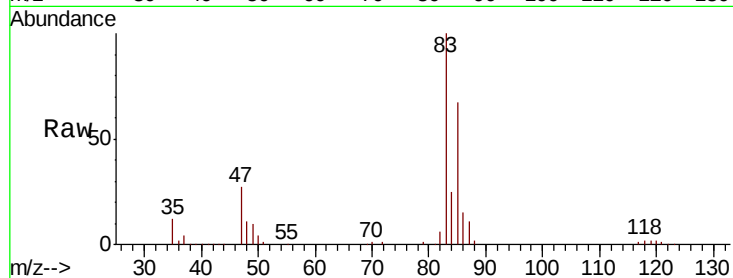
VSTD02589

Tgt Ion: 83 Resp: 87922

Ion Ratio Lower Upper

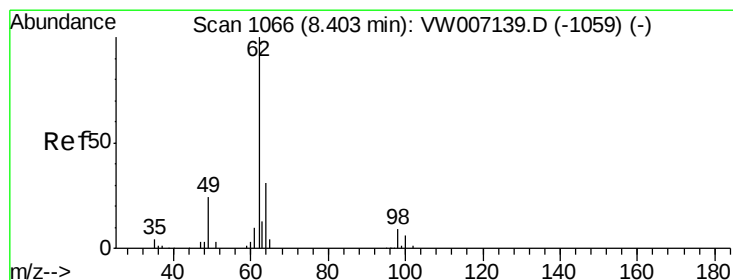
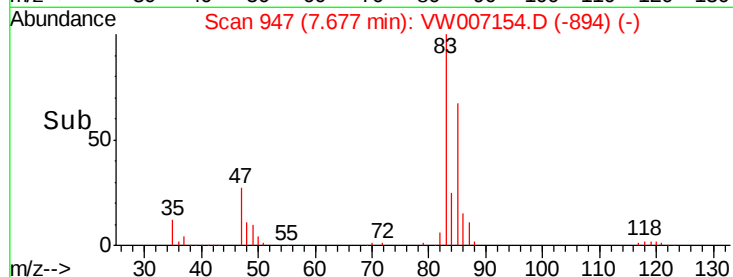
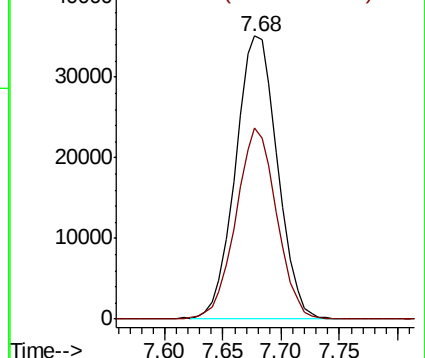
83 100

85 65.7 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 23.938 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW007154.D

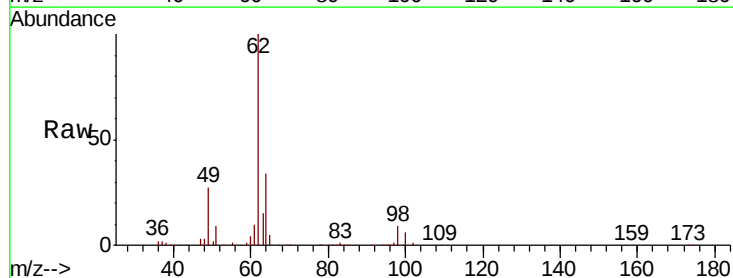
Acq: 30 Nov 2018 20:40

Tgt Ion: 62 Resp: 57863

Ion Ratio Lower Upper

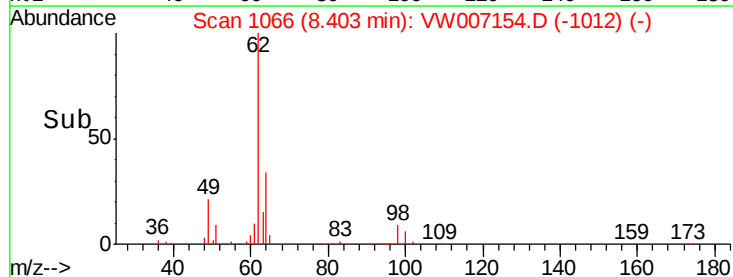
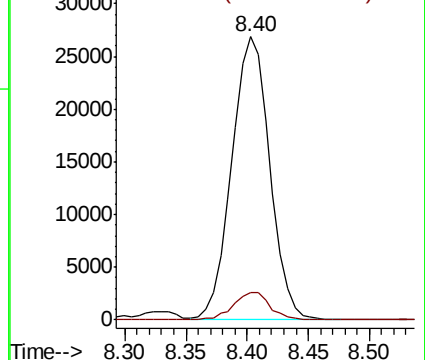
62 100

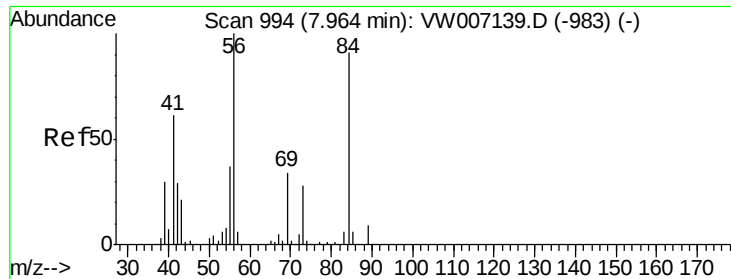
98 9.5 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

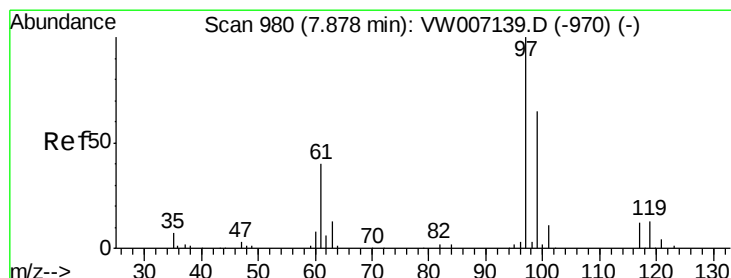
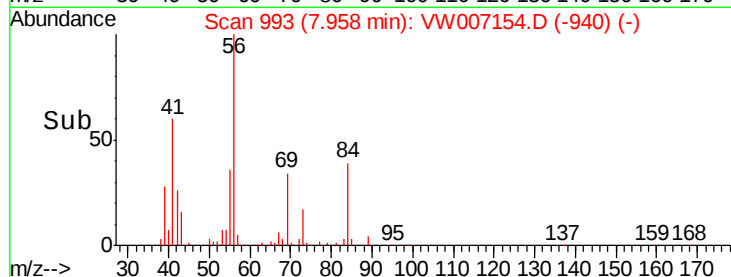
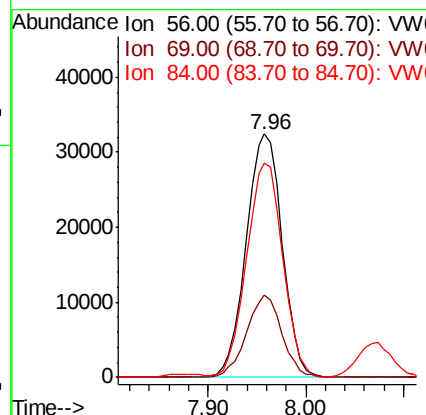
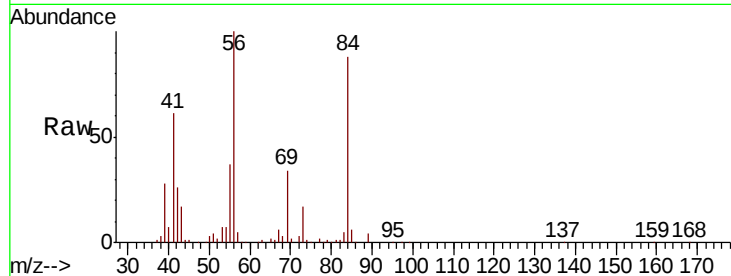




#30
Cyclohexane
Concen: 23.462 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

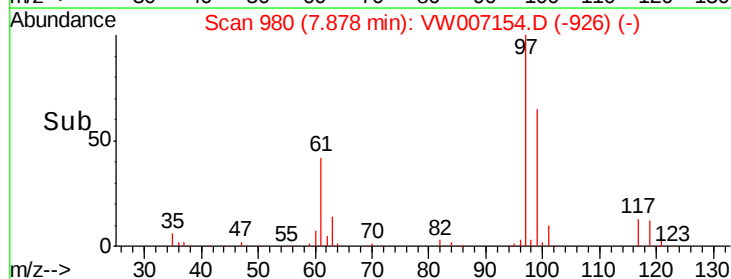
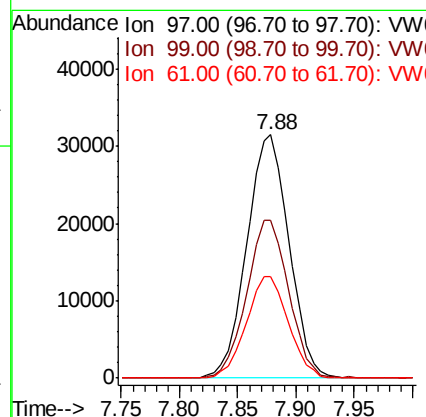
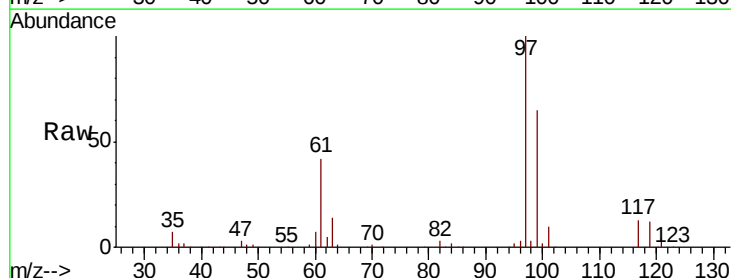
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

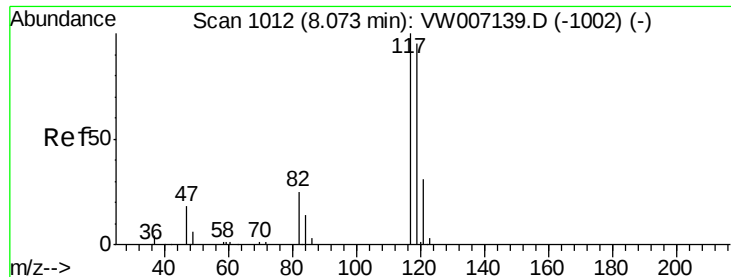
Tgt Ion: 56 Resp: 82714
Ion Ratio Lower Upper
56 100
69 33.3 26.1 39.1
84 88.6 73.0 109.4



#31
1,1,1-Trichloroethane
Concen: 23.660 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

Tgt Ion: 97 Resp: 79243
Ion Ratio Lower Upper
97 100
99 64.5 51.9 77.9
61 41.5 33.4 50.0





#32

Carbon tetrachloride

Concen: 23.691 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

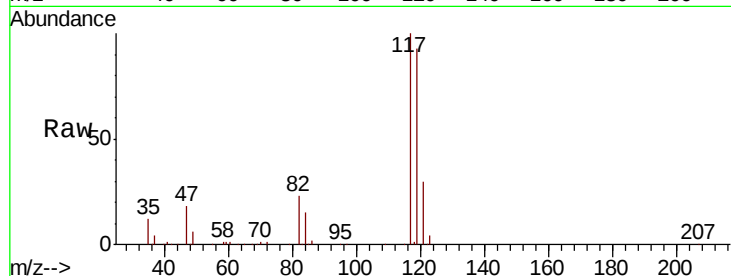
VSTD02589

Tgt Ion:117 Resp: 72017

Ion Ratio Lower Upper

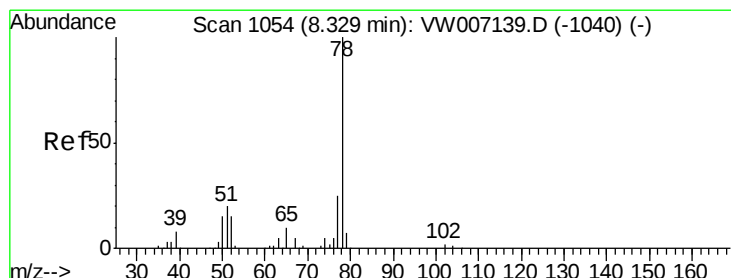
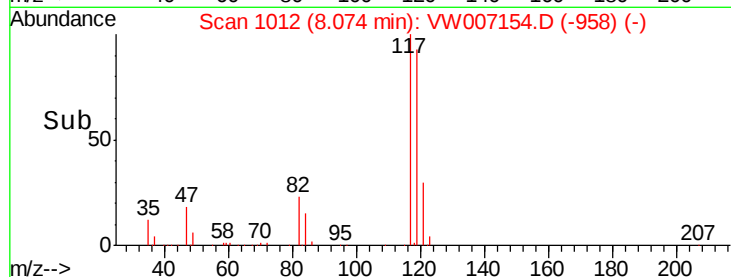
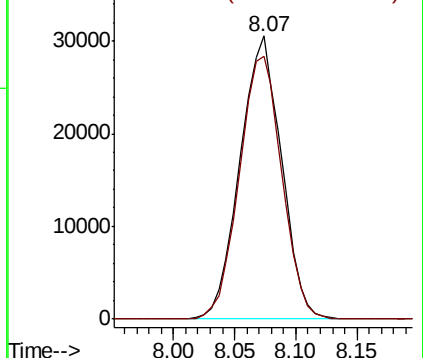
117 100

119 95.2 75.5 113.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.473 ug/L

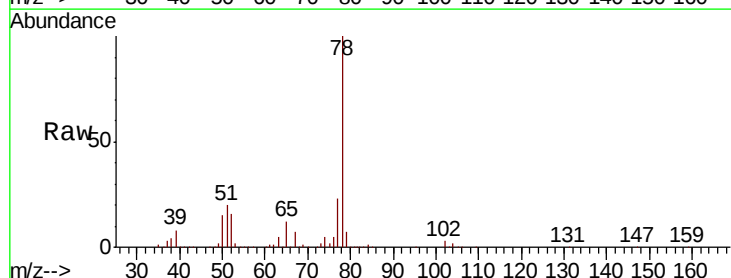
RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

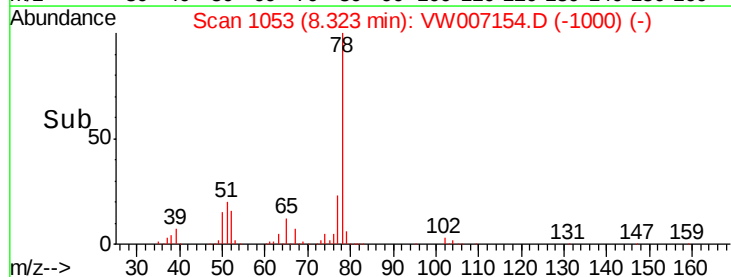
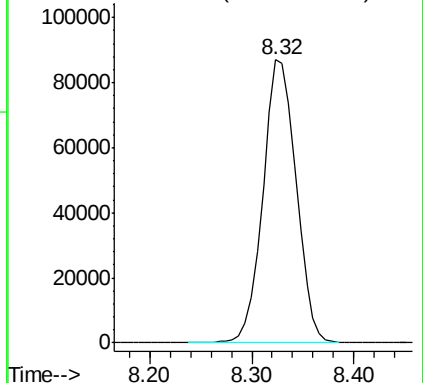
Lab File: VW007154.D

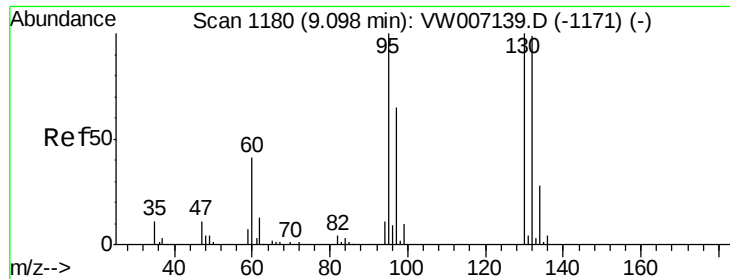
Acq: 30 Nov 2018 20:40

Tgt Ion: 78 Resp: 196743



Abundance Ion 78.00 (77.70 to 78.70): VW

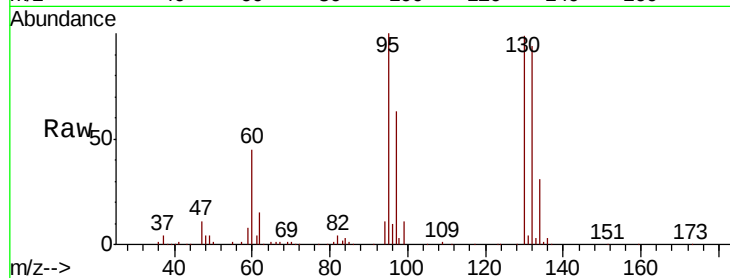




#35
 Trichloroethene
 Concen: 23.391 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion:	95	Resp:	53156
Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.7	83.1
132	96.4	68.2	126.6
130	101.4	70.9	131.7



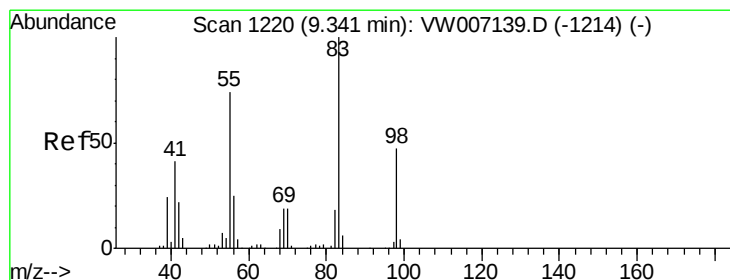
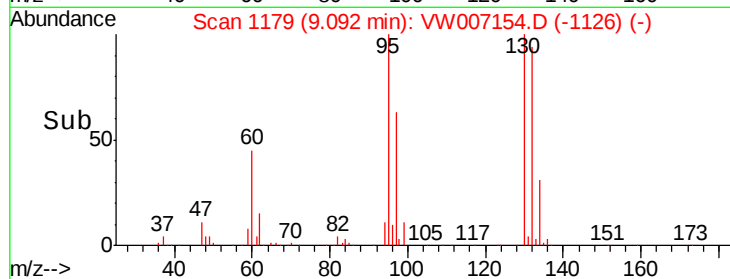
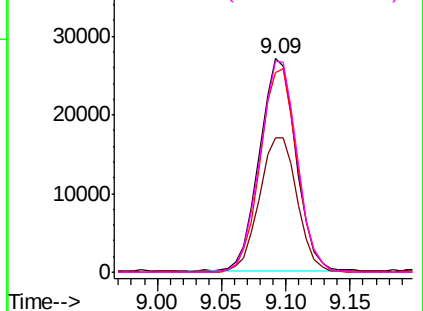
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

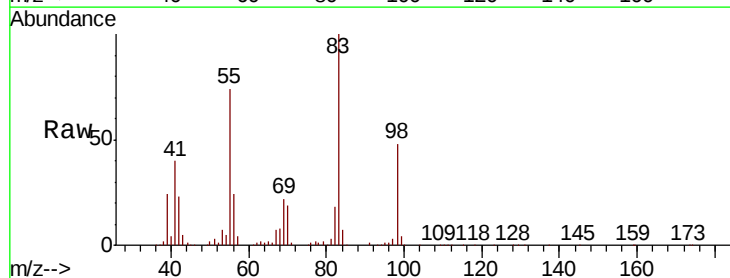
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 23.302 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

Tgt Ion:	83	Resp:	98325
Ion	Ratio	Lower	Upper
83	100		
55	73.0	60.2	90.4
98	47.8	38.8	58.2

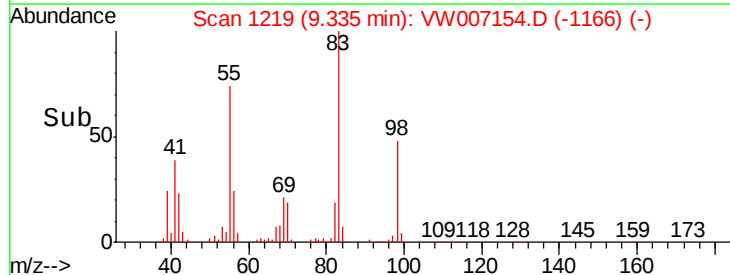
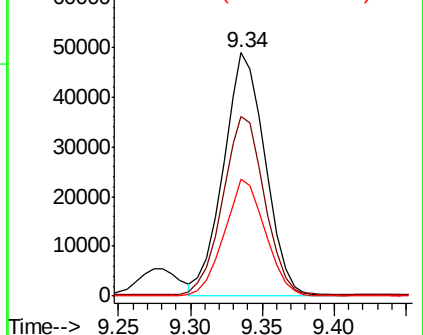


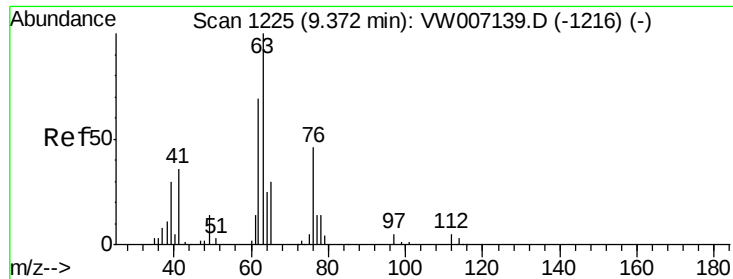
Abundance

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

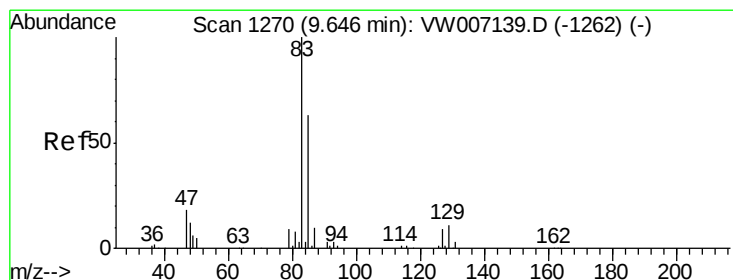
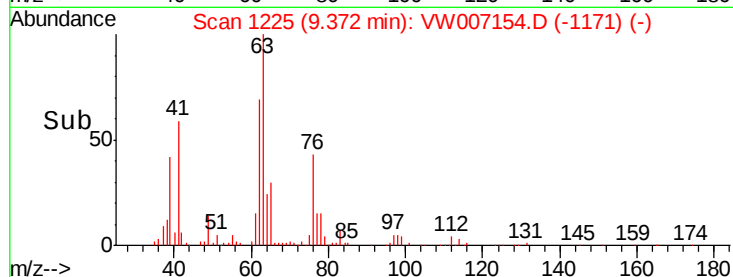
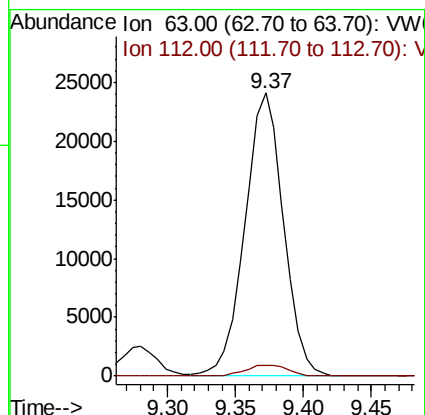
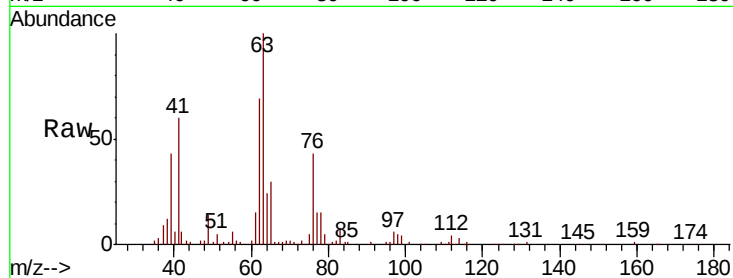




#40
 1,2-Dichloropropane
 Concen: 23.860 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

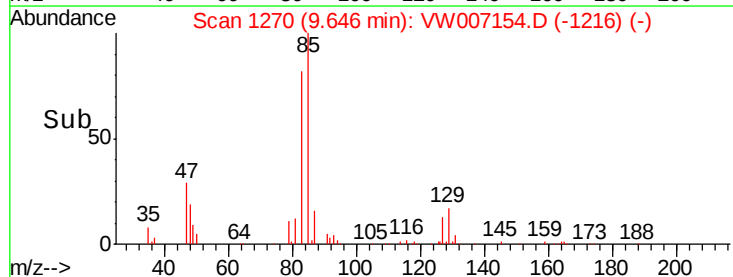
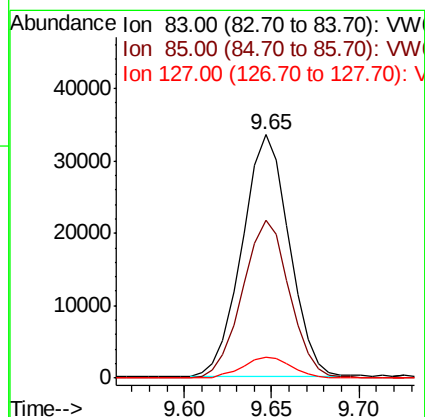
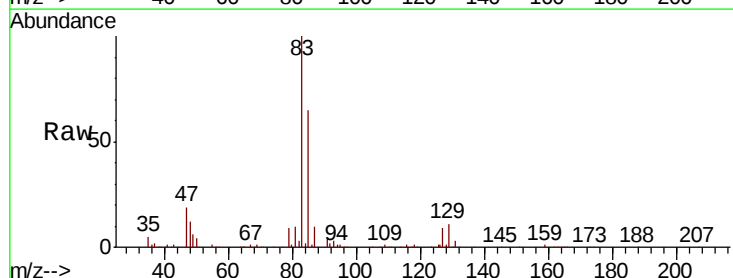
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

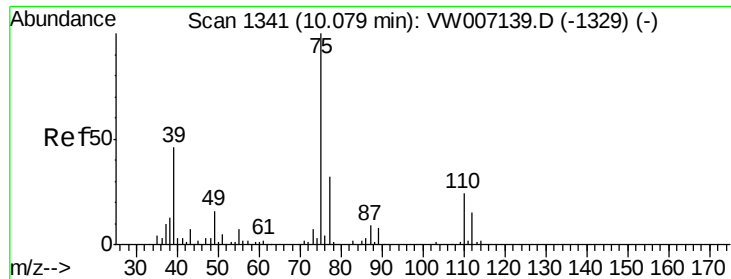
Tgt Ion: 63 Resp: 47969
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#41
 Bromodichloromethane
 Concen: 23.834 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

Tgt Ion: 83 Resp: 62734
 Ion Ratio Lower Upper
 83 100
 85 65.1 43.9 81.5
 127 8.5 7.1 10.7

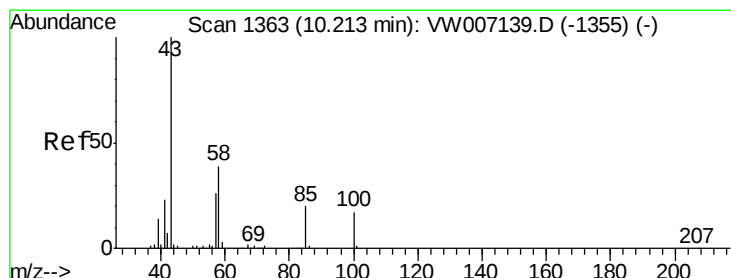
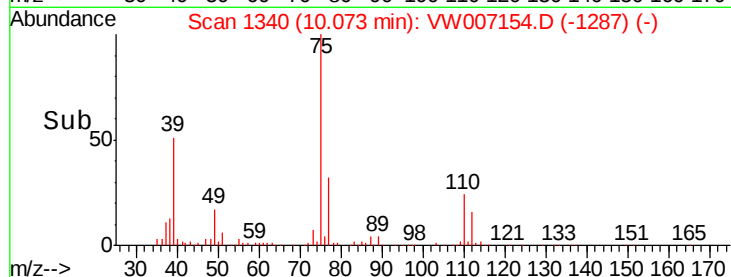
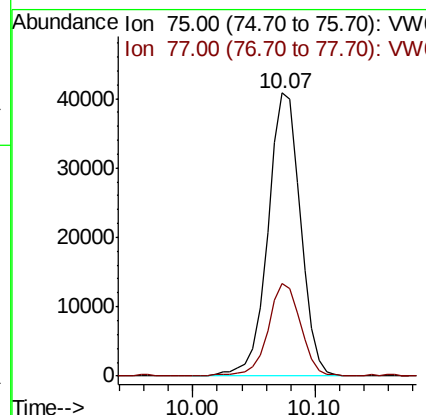
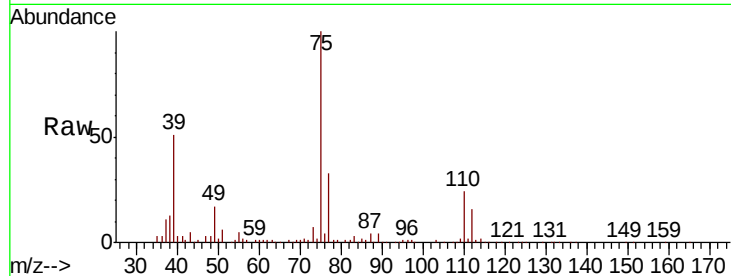




#42
 cis-1,3-Dichloropropene
 Concen: 23.650 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

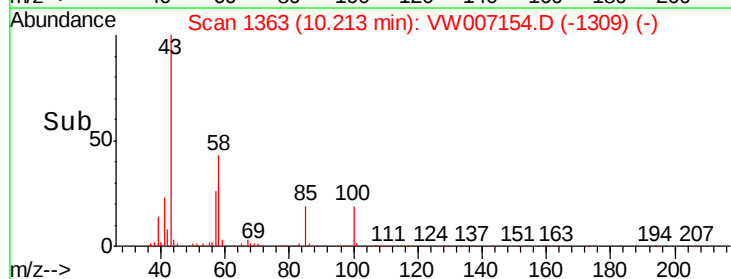
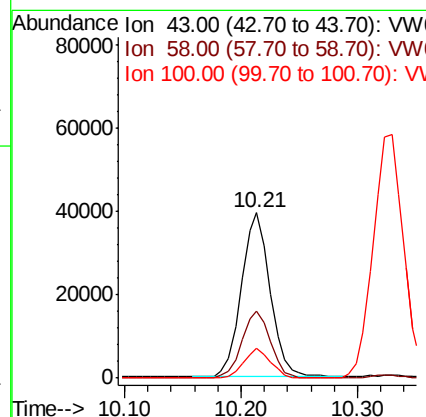
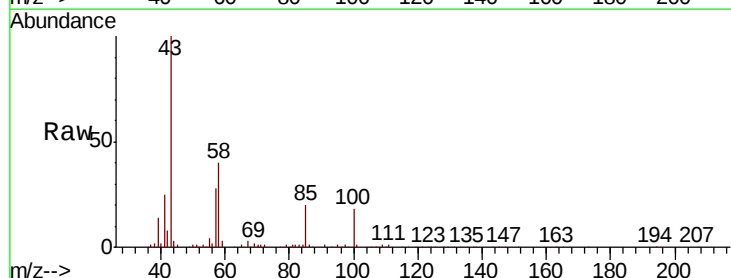
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

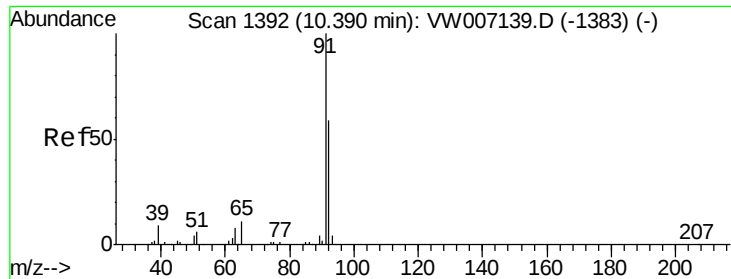
Tgt Ion: 75 Resp: 75517
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 45.834 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

Tgt Ion: 43 Resp: 68186
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.4 47.2
 100 16.9 13.1 19.7





#44

Toluene

Concen: 23.849 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

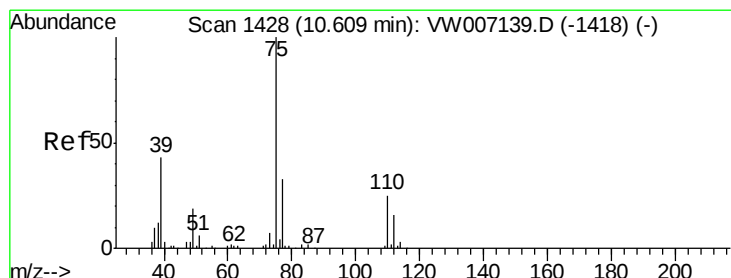
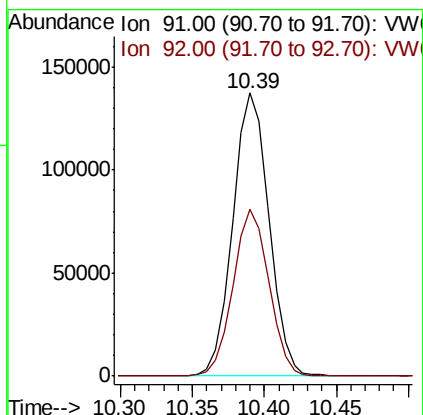
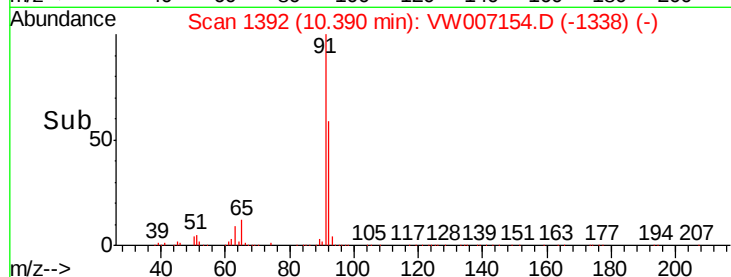
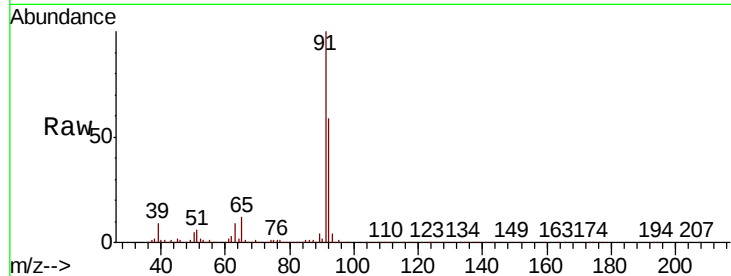
VSTD02589

Tgt Ion: 91 Resp: 239513

Ion Ratio Lower Upper

91 100

92 59.1 41.2 76.6



#45

trans-1,3-Dichloropropene

Concen: 23.445 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007154.D

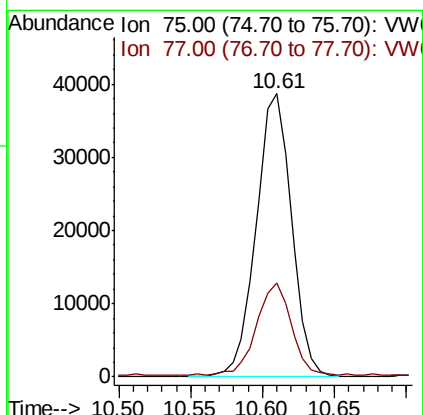
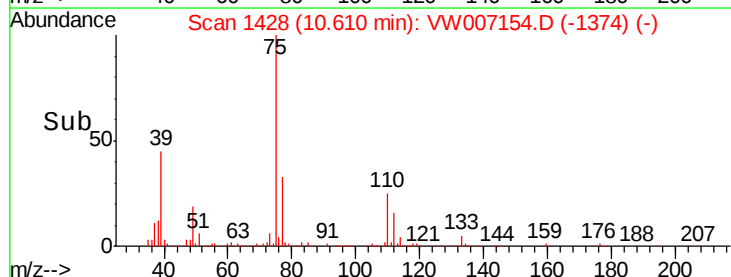
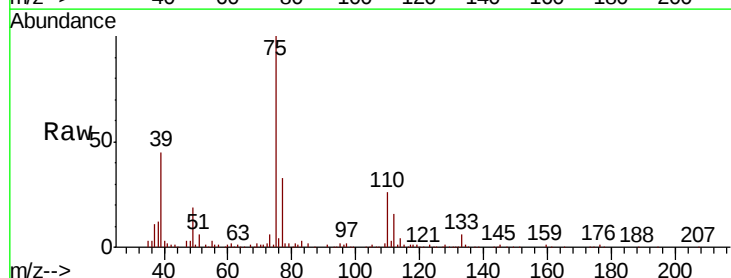
Acq: 30 Nov 2018 20:40

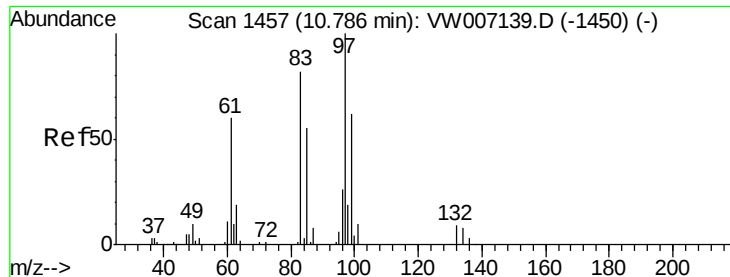
Tgt Ion: 75 Resp: 65773

Ion Ratio Lower Upper

75 100

77 33.0 23.2 43.2





#46

1,1,2-Trichloroethane

Concen: 23.769 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion: 97 Resp: 37632

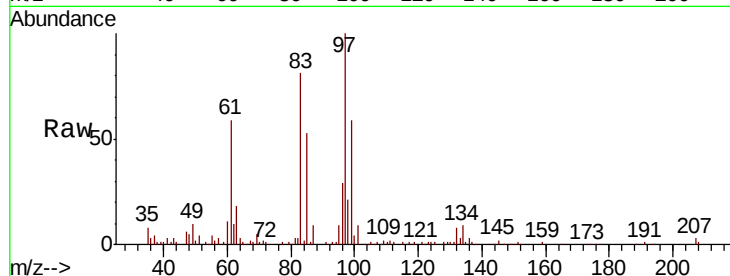
Ion Ratio Lower Upper

97 100

83 80.7 57.1 106.1

85 53.4 38.6 71.8

99 58.9 43.4 80.6

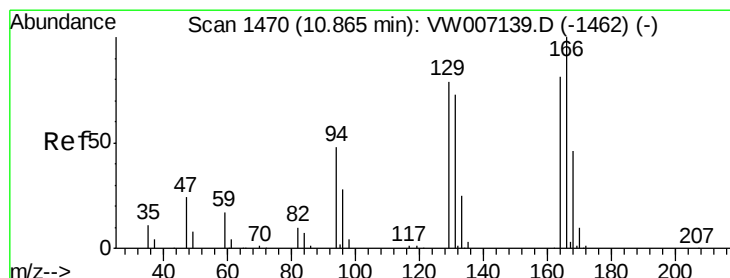
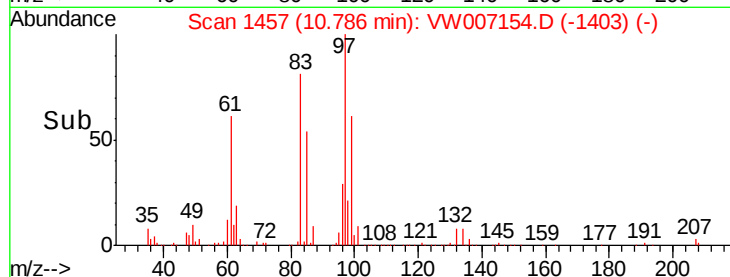
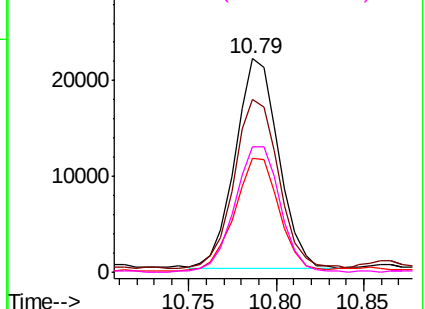


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 23.242 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Tgt Ion: 164 Resp: 46138

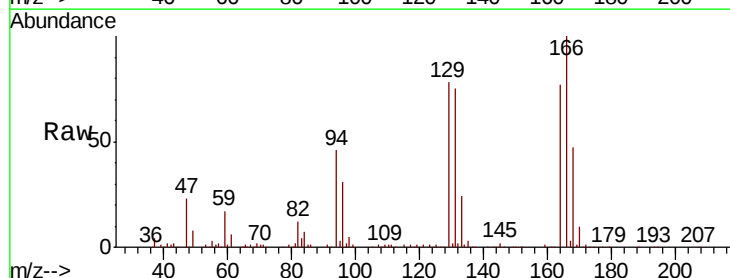
Ion Ratio Lower Upper

164 100

129 100.4 68.5 127.3

131 96.4 63.3 117.7

166 129.3 86.6 160.8

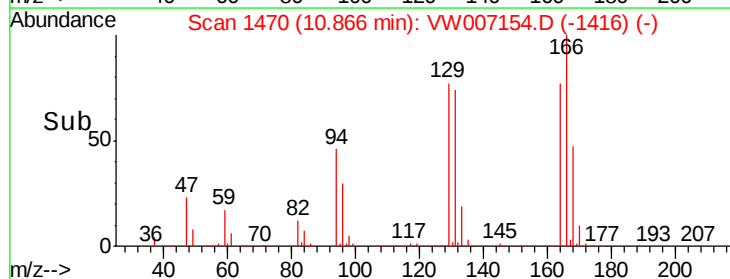
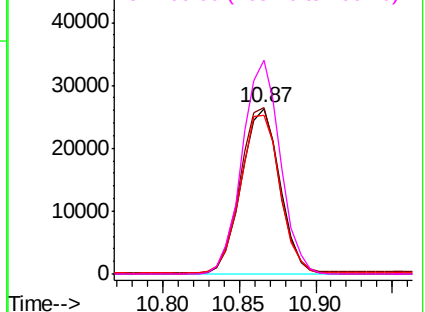


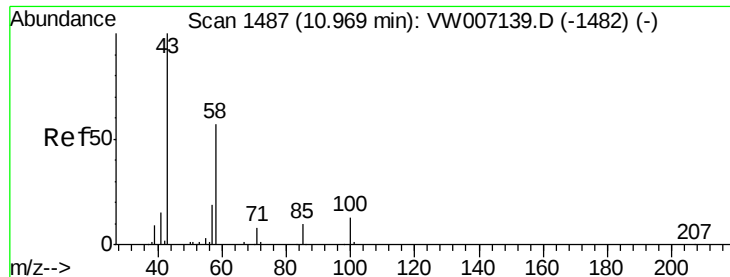
Abundance Ion 164.00 (163.70 to 164.70): V

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: 48.836 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

Tgt Ion: 43 Resp: 49180

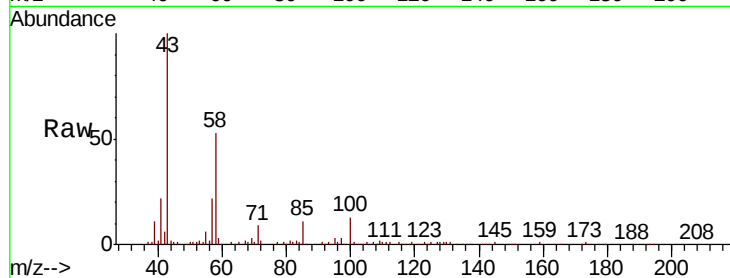
Ion Ratio Lower Upper

43 100

58 56.0 44.2 66.2

57 21.5 16.3 24.5

100 12.6 10.1 15.1

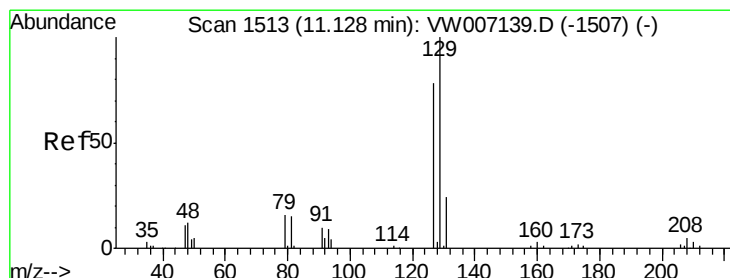
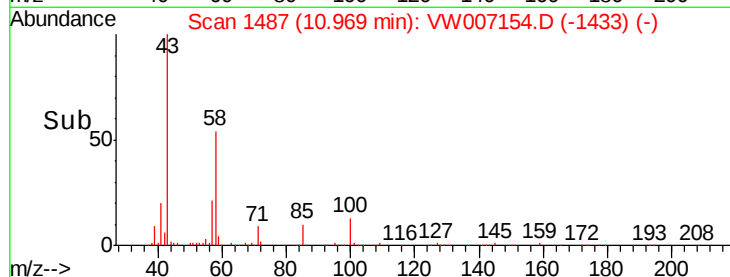
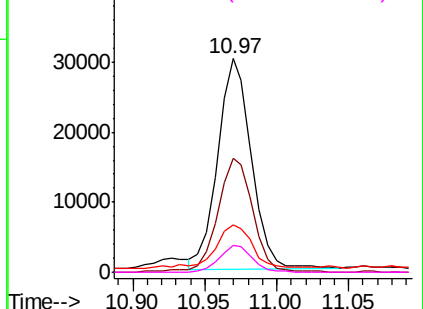


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.498 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007154.D

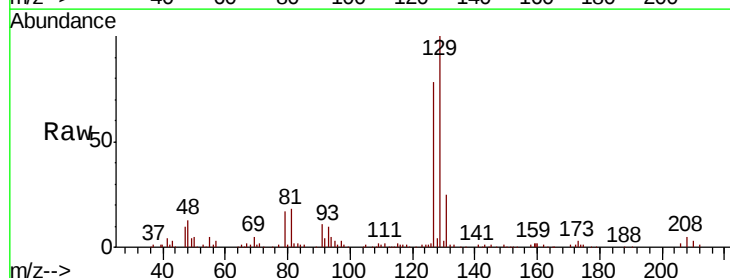
Acq: 30 Nov 2018 20:40

Tgt Ion: 129 Resp: 47243

Ion Ratio Lower Upper

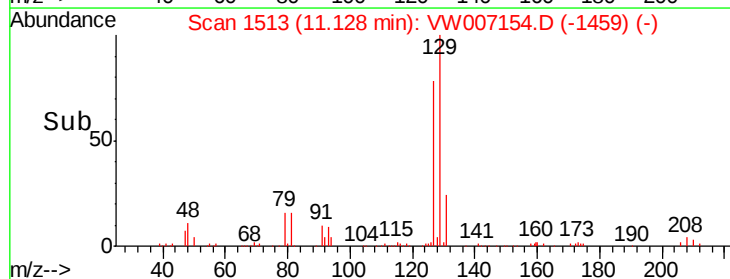
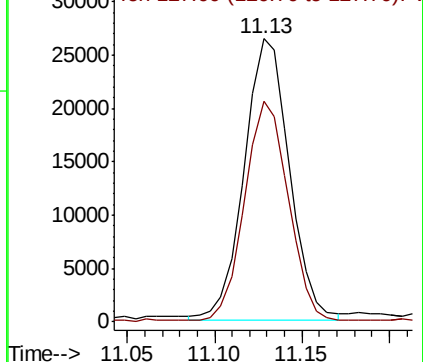
129 100

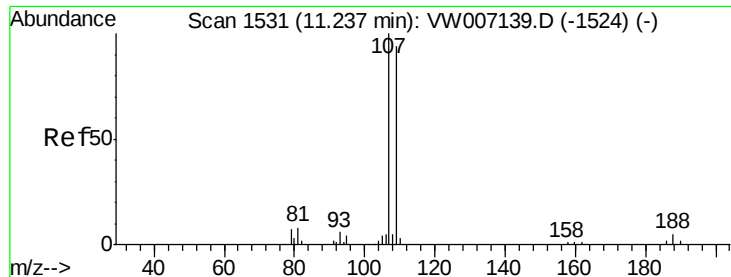
127 78.1 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

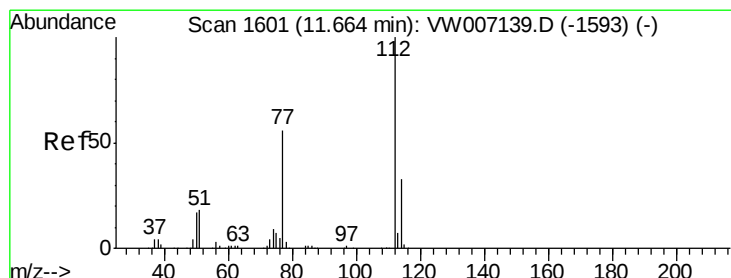
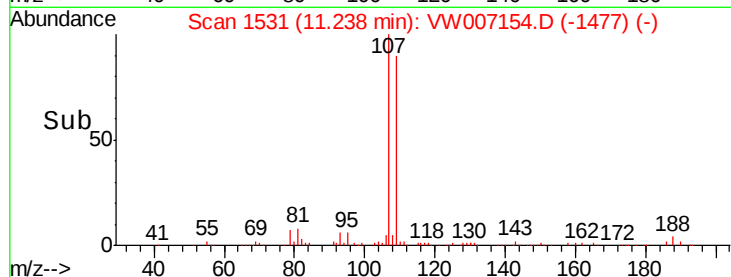
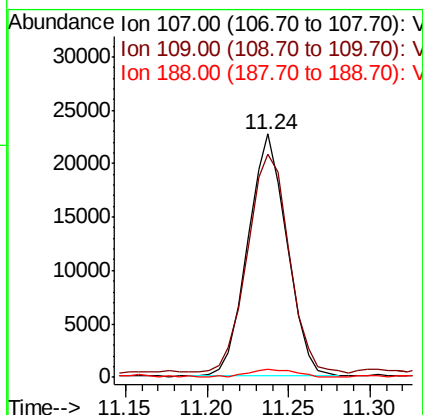
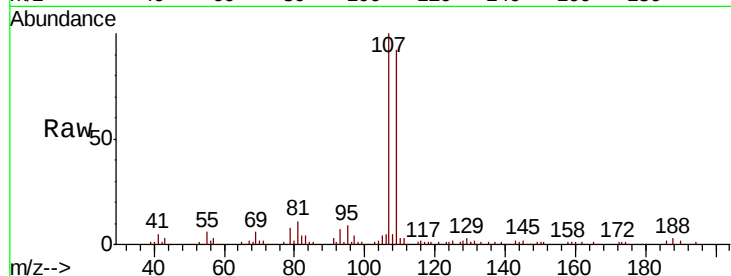




#51
1,2-Dibromoethane
Concen: 23.642 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

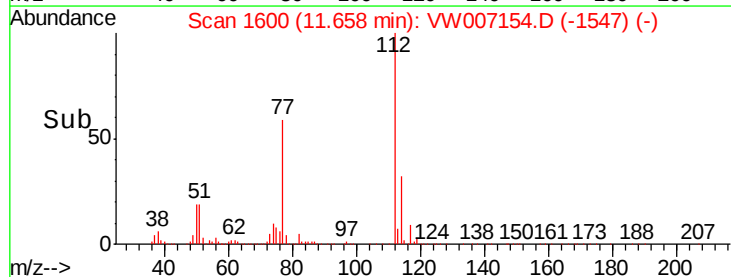
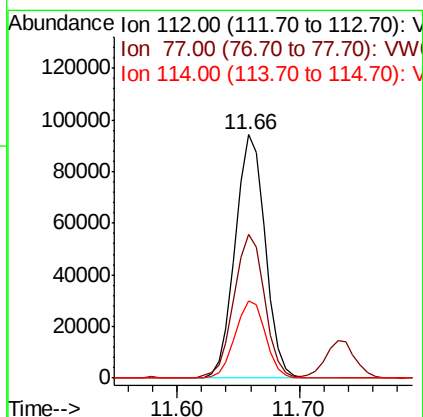
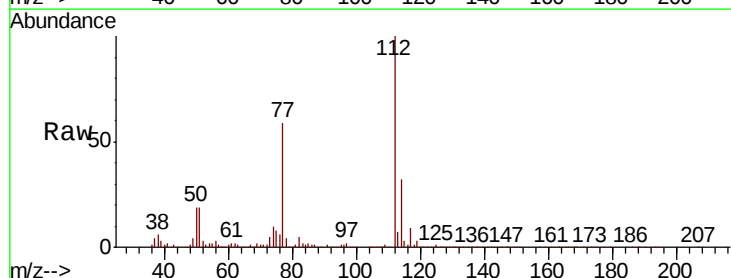
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

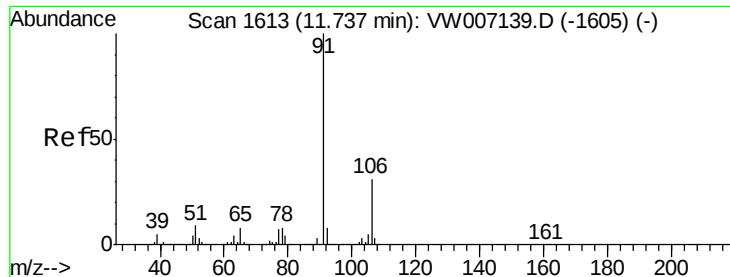
Tgt Ion:107 Resp: 37930
Ion Ratio Lower Upper
107 100
109 91.5 66.0 122.6
188 3.5 3.6 5.4#



#52
Chlorobenzene
Concen: 24.070 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

Tgt Ion:112 Resp: 159367
Ion Ratio Lower Upper
112 100
77 59.2 45.0 67.4
114 31.9 22.8 42.4

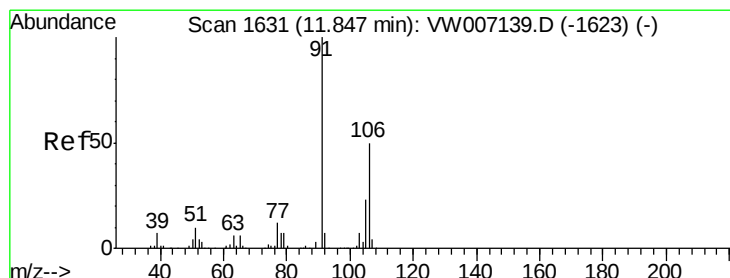
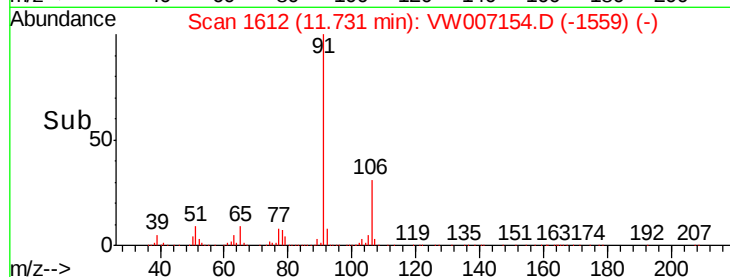
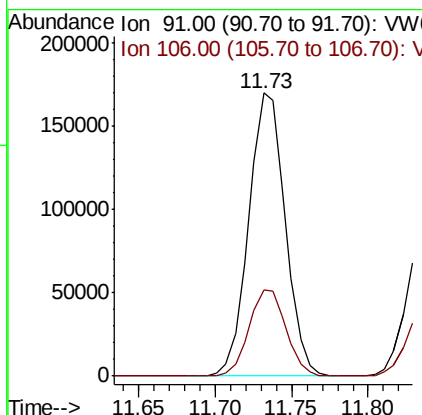
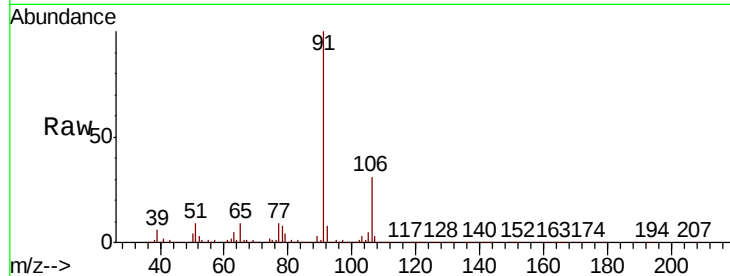




#53
Ethylbenzene
Concen: 24.043 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

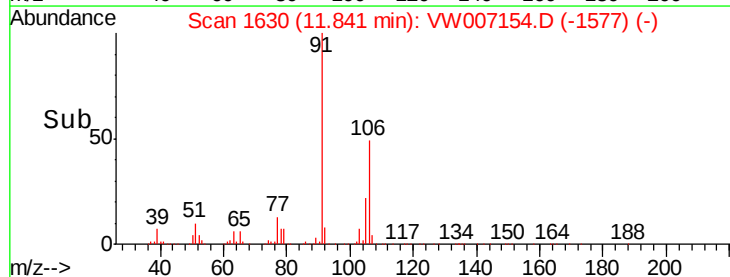
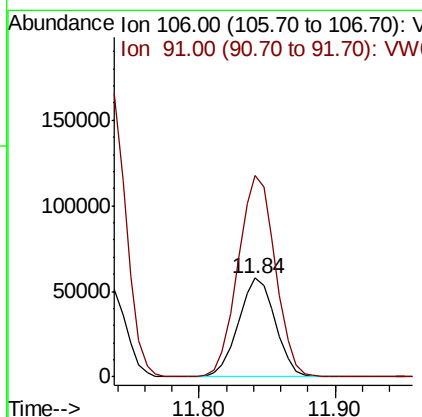
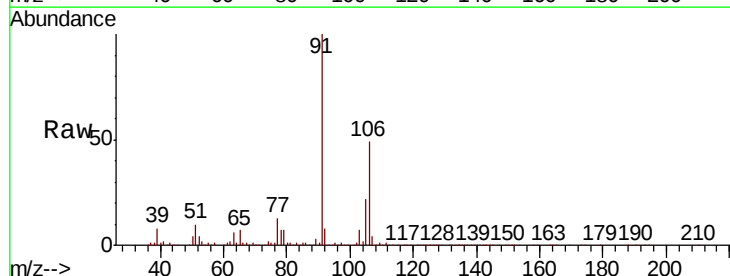
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

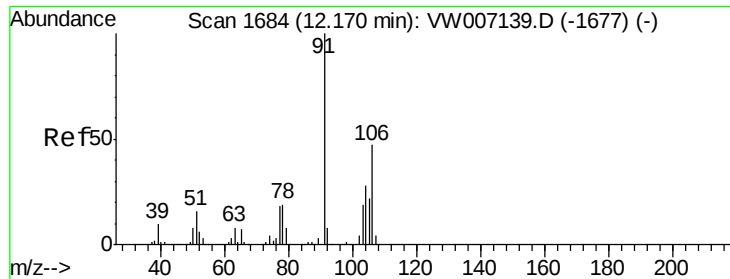
Tgt Ion: 91 Resp: 279946
Ion Ratio Lower Upper
91 100
106 30.6 21.8 40.4



#54
m,p-Xylene
Concen: 23.906 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

Tgt Ion: 106 Resp: 108608
Ion Ratio Lower Upper
106 100
91 204.9 140.7 261.3

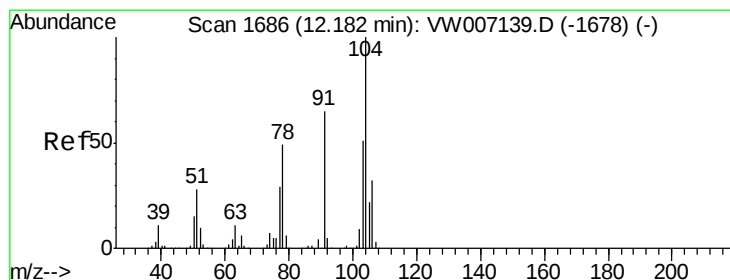
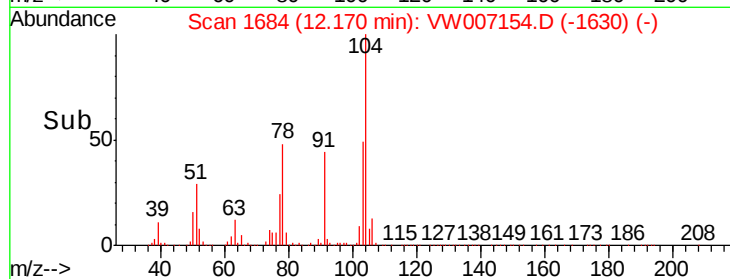
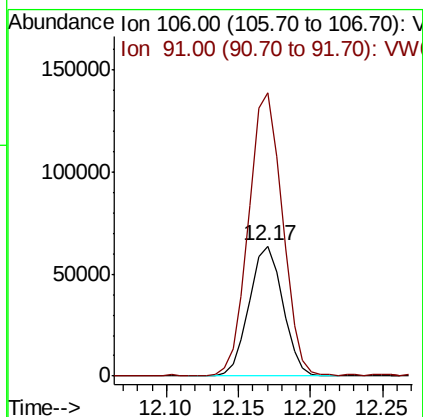
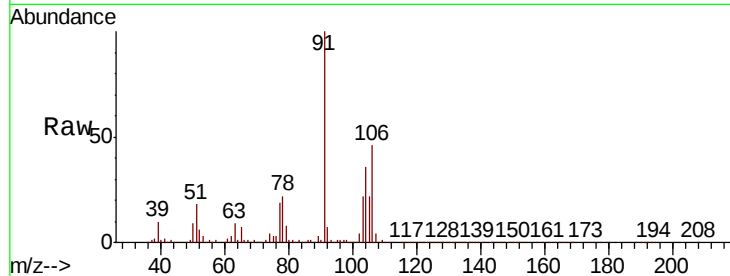




#55
o-xylene
Concen: 24.514 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

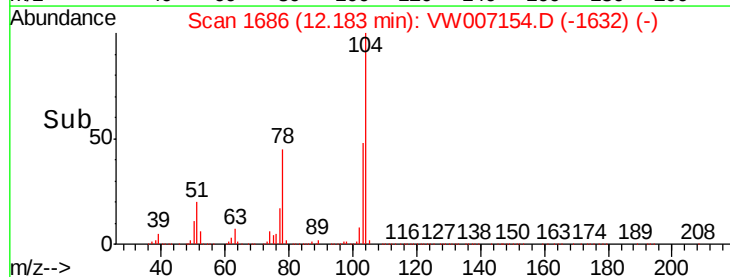
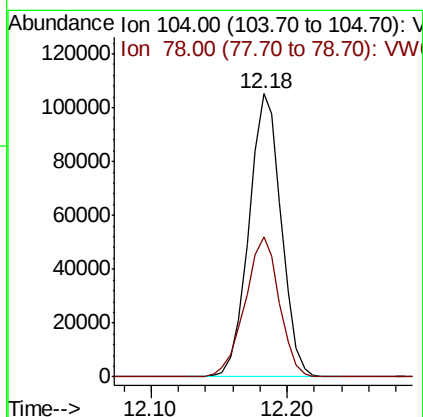
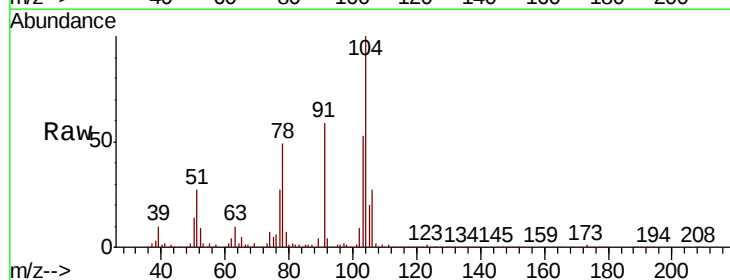
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

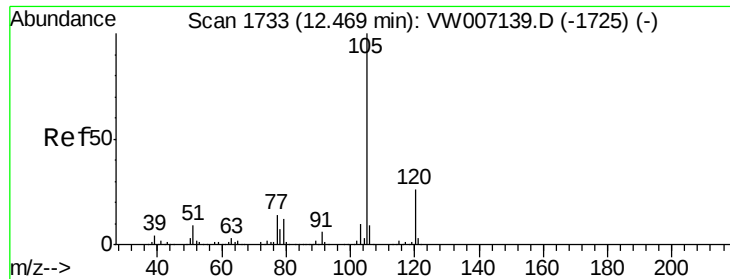
Tgt Ion:106 Resp: 103280
Ion Ratio Lower Upper
106 100
91 217.3 149.0 276.8



#56
Styrene
Concen: 24.545 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007154.D
Acq: 30 Nov 2018 20:40

Tgt Ion:104 Resp: 174876
Ion Ratio Lower Upper
104 100
78 49.4 34.6 64.2





#57

Isopropylbenzene

Concen: 23.873 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

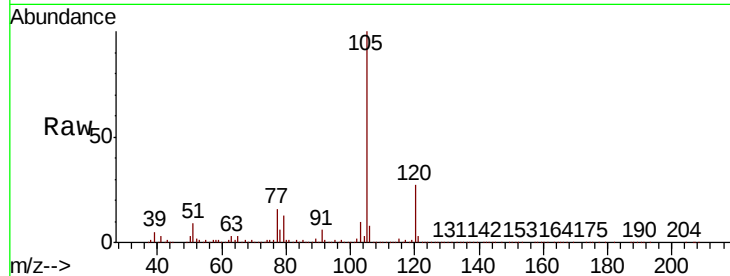
Tgt Ion: 105 Resp: 279689

Ion Ratio Lower Upper

105 100

120 26.6 20.8 31.2

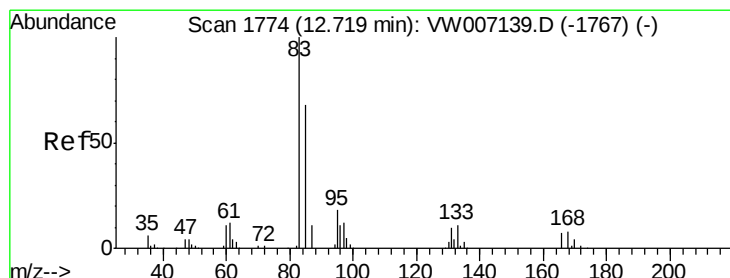
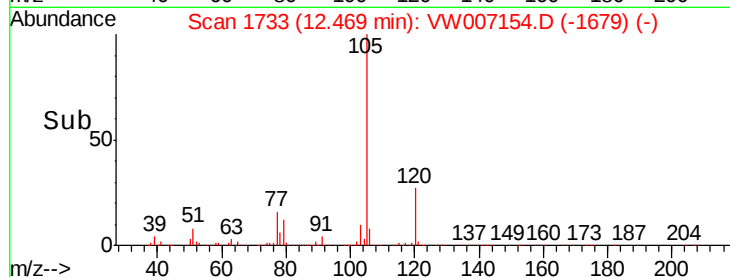
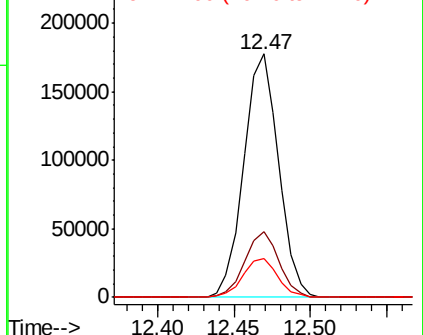
77 15.9 12.0 18.0



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: 24.594 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

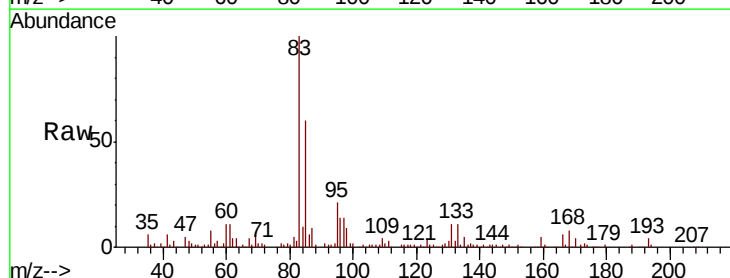
Tgt Ion: 83 Resp: 49481

Ion Ratio Lower Upper

83 100

85 59.8 47.8 88.8

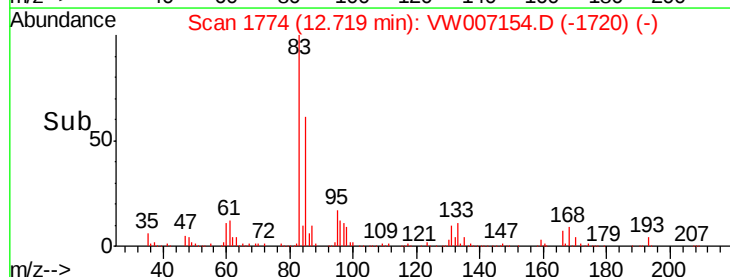
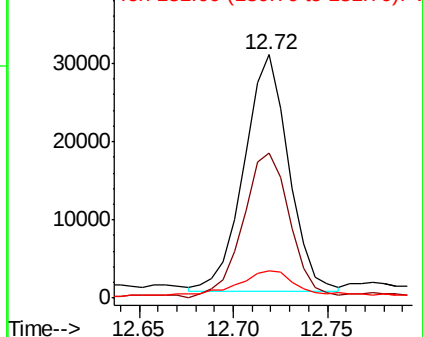
131 11.0 8.2 12.2

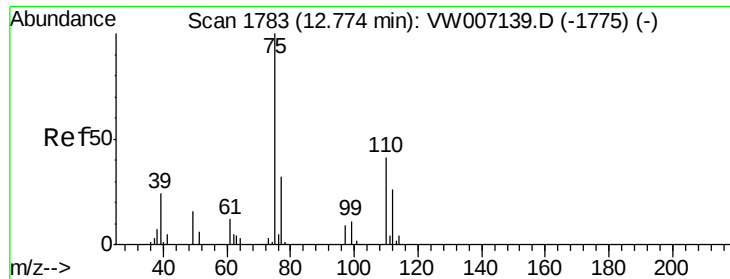


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.213 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

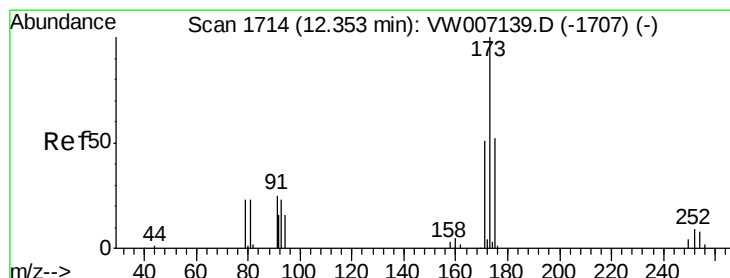
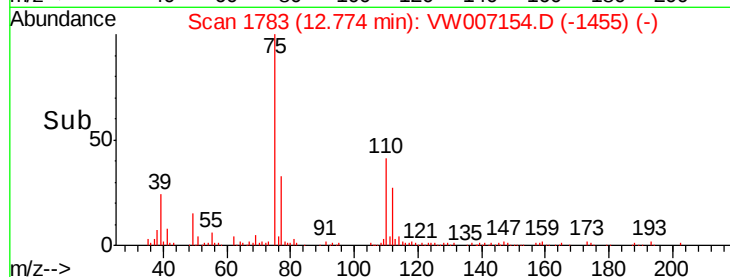
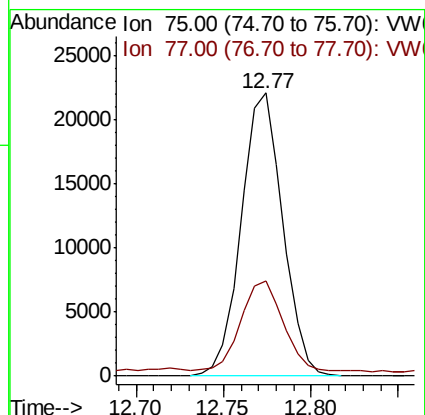
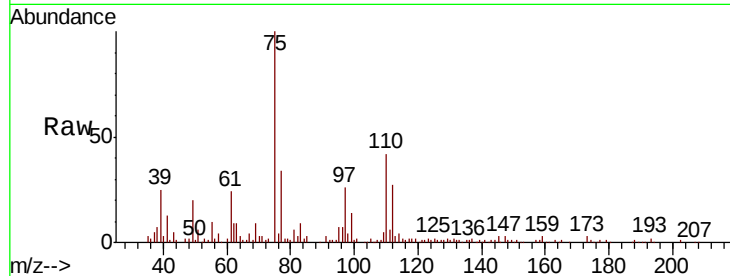
VSTD02589

Tgt Ion: 75 Resp: 36498

Ion Ratio Lower Upper

75 100

77 33.6 25.8 38.6



#62

Bromoform

Concen: 23.177 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

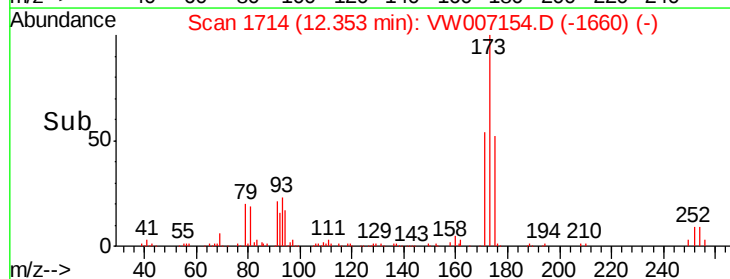
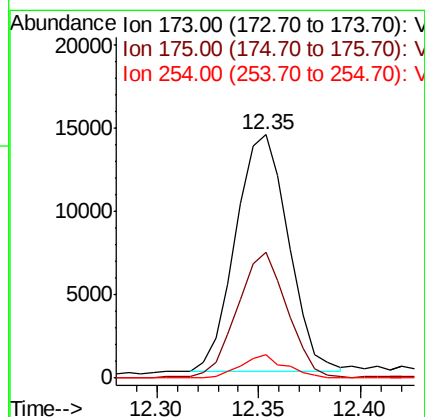
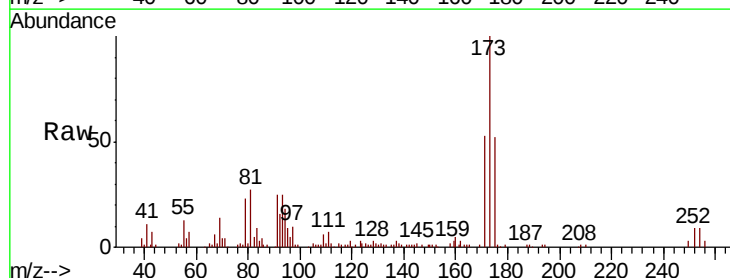
Tgt Ion: 173 Resp: 25550

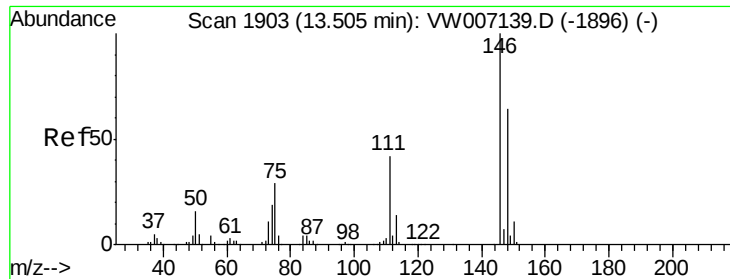
Ion Ratio Lower Upper

173 100

175 49.5 39.8 59.8

254 8.2 6.9 10.3

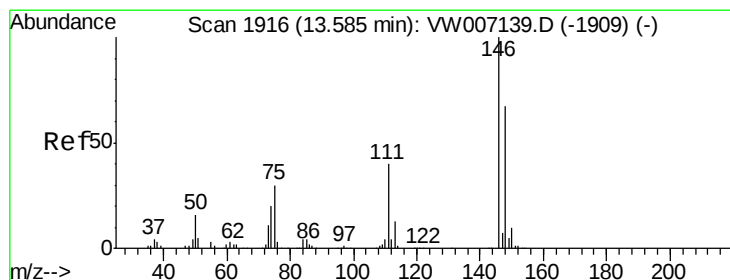
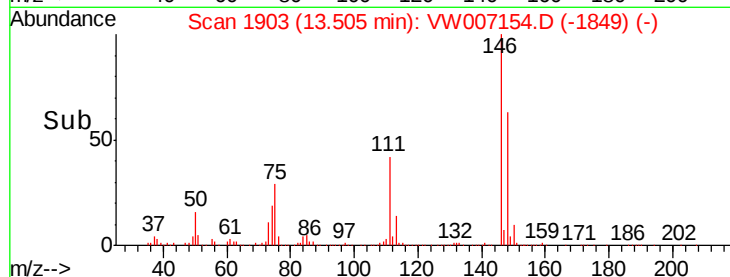
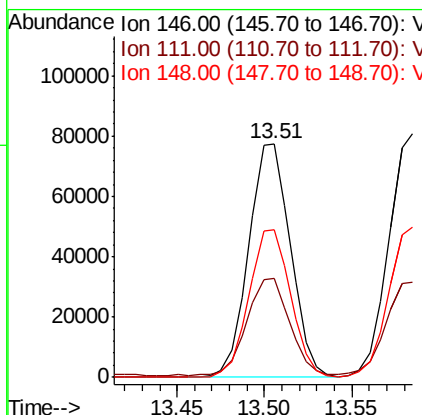
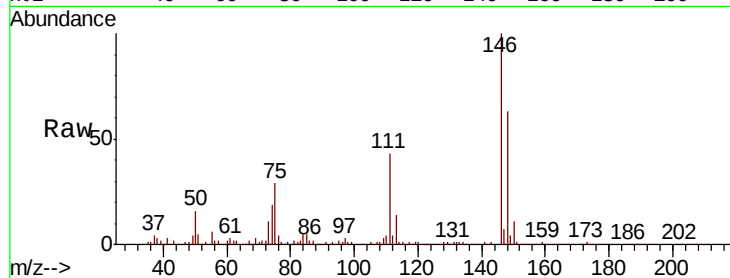




#63
 1,3-Dichlorobenzene
 Concen: 24.286 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

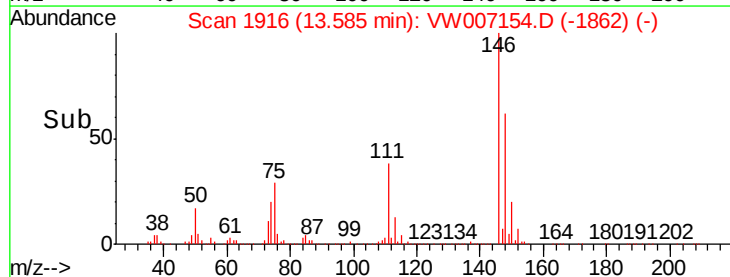
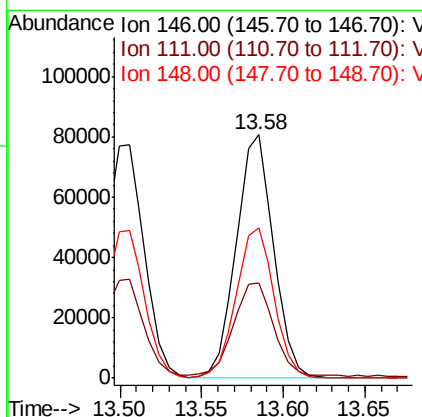
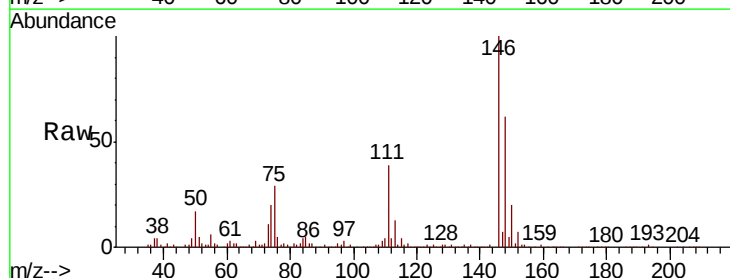
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

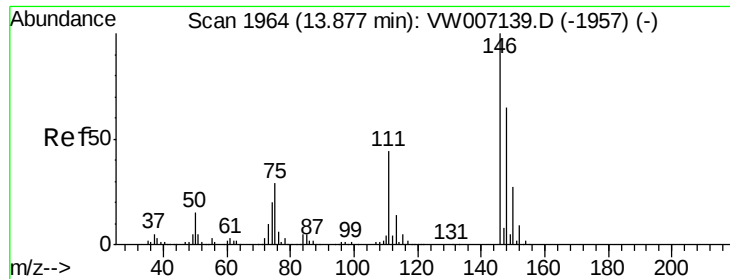
Tgt Ion:146 Resp: 128669
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.2 54.2
 148 63.3 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 23.952 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

Tgt Ion:146 Resp: 127639
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.2 52.4
 148 61.8 46.6 86.6

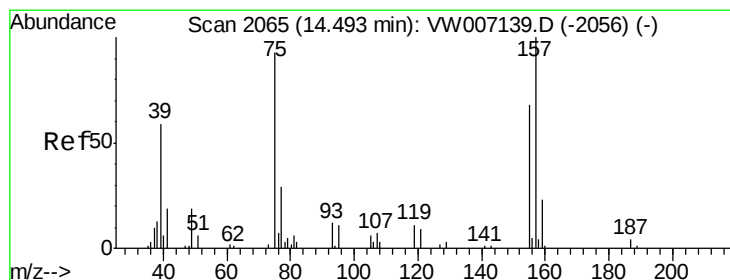
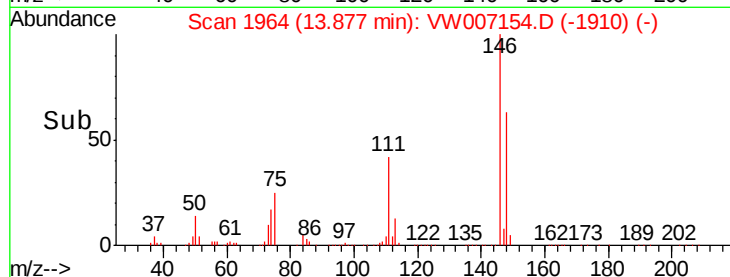
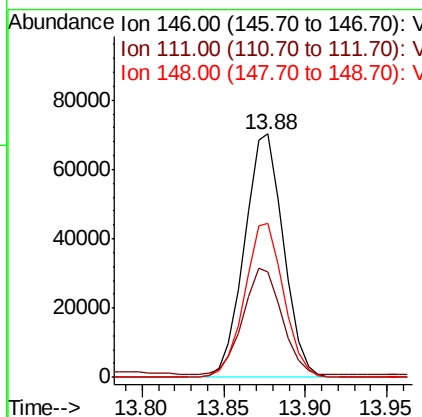
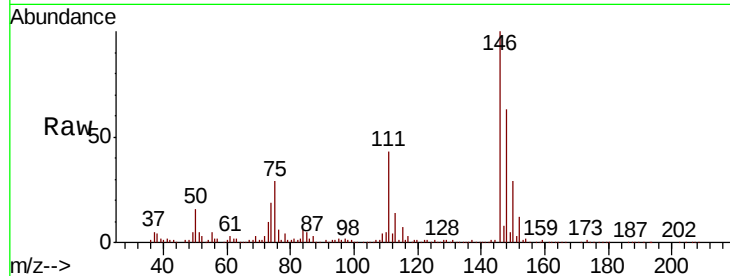




#65
 1,2-Dichlorobenzene
 Concen: 23.988 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

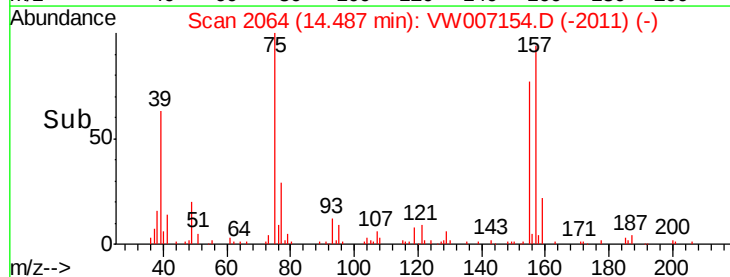
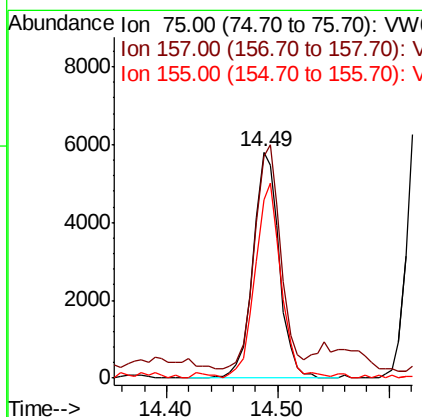
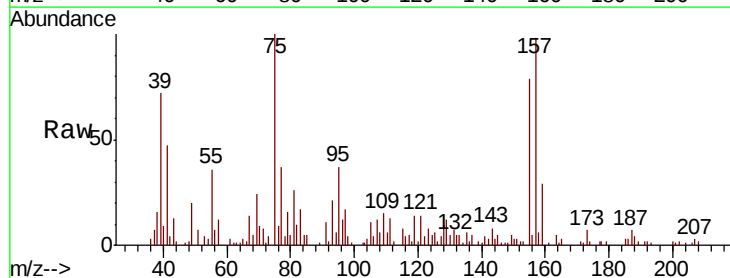
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

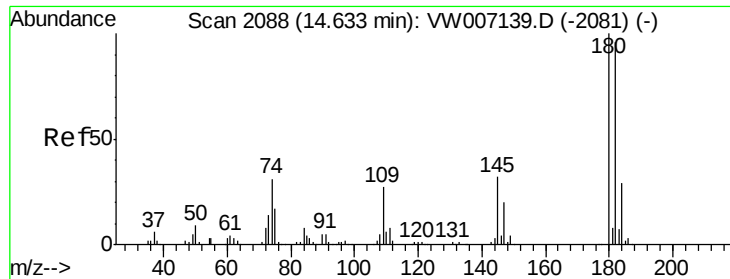
Tgt Ion:146 Resp: 116293
 Ion Ratio Lower Upper
 146 100
 111 43.1 35.3 52.9
 148 63.2 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.024 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

Tgt Ion: 75 Resp: 9445
 Ion Ratio Lower Upper
 75 100
 157 98.2 86.4 129.6
 155 79.2 58.3 87.5

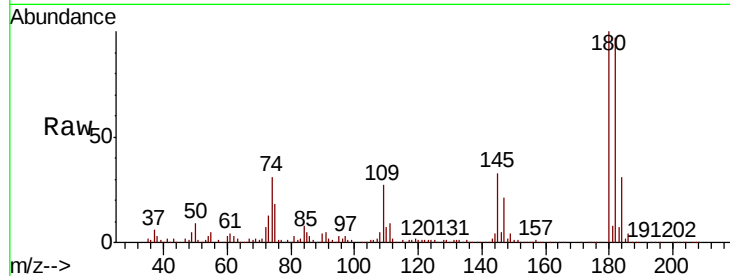




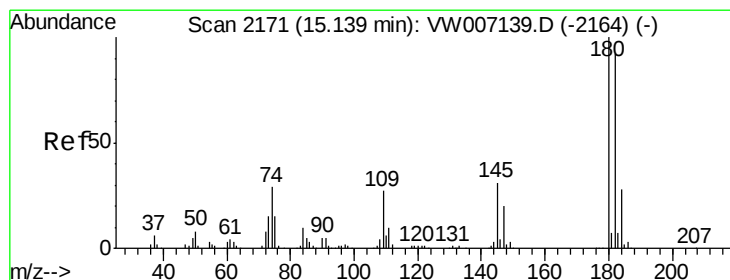
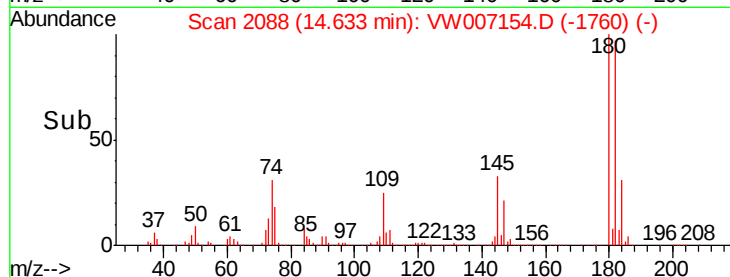
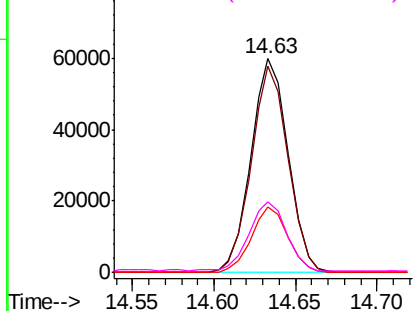
#67
 1,3,5-Trichlorobenzene
 Concen: 23.758 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion:180 Resp: 94531
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.9 113.9
 184 29.9 24.2 36.4
 145 33.1 26.1 39.1

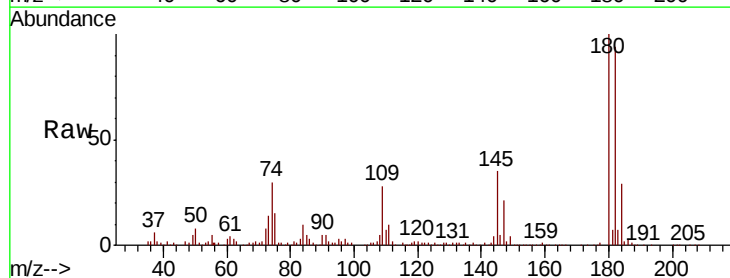


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

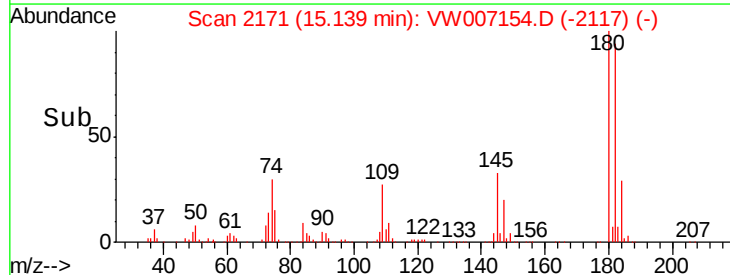
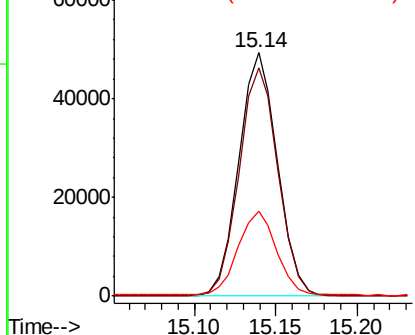


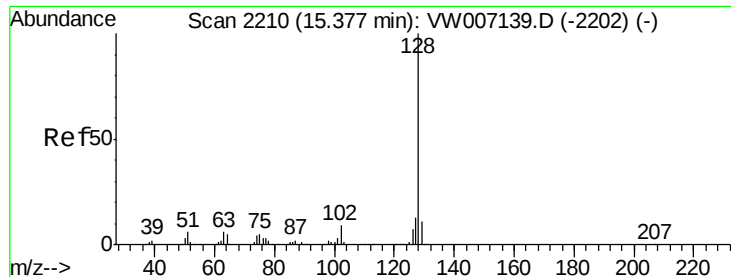
#68
 1,2,4-trichlorobenzene
 Concen: 23.982 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007154.D
 Acq: 30 Nov 2018 20:40

Tgt Ion:180 Resp: 81117
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.6 113.4
 145 34.1 26.6 39.8



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





#69

Naphthalene

Concen: 24.431 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

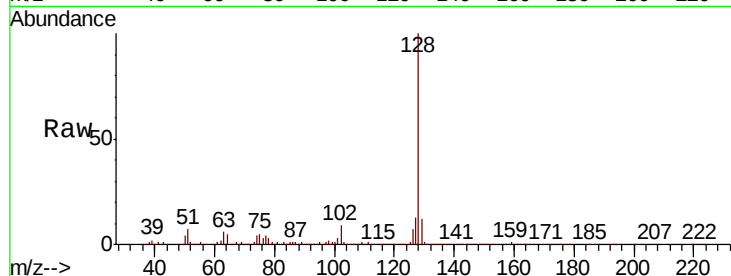
Tgt Ion:128 Resp: 175954

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

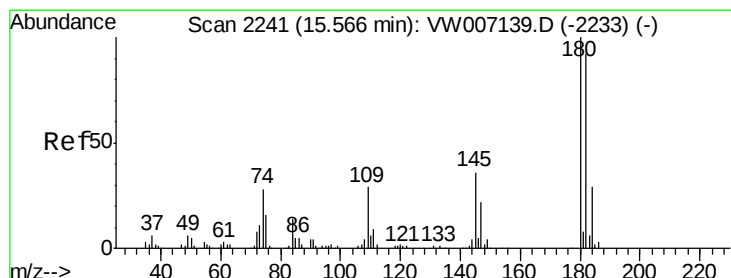
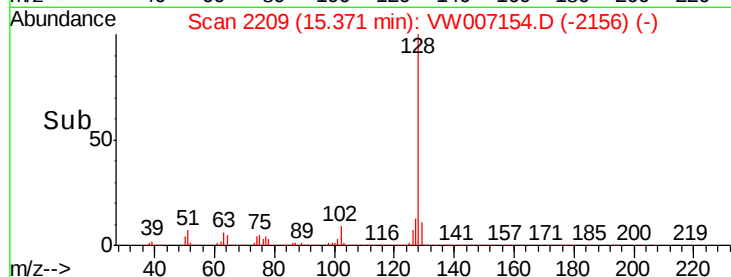
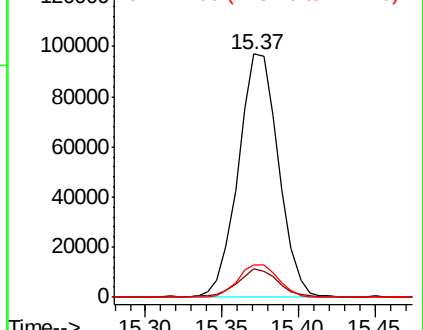
127 13.7 10.9 16.3



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: 24.239 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007154.D

Acq: 30 Nov 2018 20:40

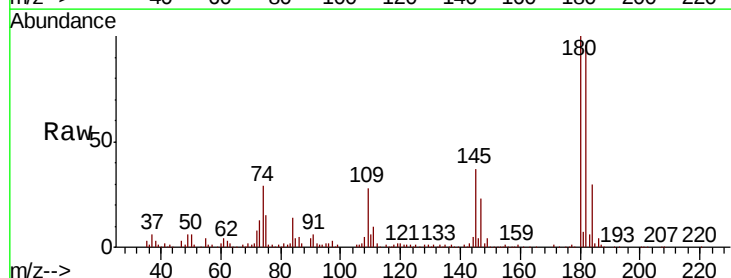
Tgt Ion:180 Resp: 71543

Ion Ratio Lower Upper

180 100

182 95.3 75.0 112.4

145 36.0 28.2 42.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

