

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
 Data File : VW003358.D
 Acq On : 20 Jun 2018 17:41
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Quant Time: Jun 21 04:22:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 21 04:12:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	370033	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	353212	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	181501	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119467	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.24%
7) Chloroethane-d5	2.89	69	103428	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.80%
10) 1,1-Dichloroethene-d2	4.01	63	236739	23.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.04%
20) 2-Butanone-d5	7.09	46	81418	51.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.98%
24) Chloroform-d	7.65	84	235232	24.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.68%
26) 1,2-Dichloroethane-d4	8.31	65	142846	24.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.80%
29) Benzene-d6	8.28	84	446343	23.82	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.28%
33) 1,2-Dichloropropane-d6	9.27	67	137285	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.56%
37) Toluene-d8	10.33	98	436290	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.40%
38) trans-1,3-Dichloropropene-	10.58	79	65589	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.20%
39) 2-Hexanone-d5	10.93	63	65817	54.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.56%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	138101	25.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.08%
61) 1,2-Dichlorobenzene-d4	13.87	152	162967	23.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	56866	27.979	ug/L	# 83
3) Chloromethane	2.21	50	109323	25.039	ug/L	98
5) Vinyl chloride	2.36	62	155353	24.586	ug/L	96
6) Bromomethane	2.78	94	96195	26.164	ug/L	97
8) Chloroethane	2.92	64	93860	24.378	ug/L	100
9) Trichlorofluoromethane	3.25	101	84528	23.322	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	120749	24.675	ug/L	99
12) 1,1-Dichloroethene	4.03	96	113069	24.445	ug/L	86
13) Acetone	4.14	43	90821	53.881	ug/L	97
14) Carbon disulfide	4.37	76	369072	24.732	ug/L	100
15) Methyl Acetate	4.67	43	72890	26.383	ug/L	100
16) Methylene chloride	4.91	84	124047	24.329	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	223738	26.217	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	119022	24.696	ug/L	98
19) 1,1-Dichloroethane	6.21	63	223837	24.887	ug/L	97
21) 2-Butanone	7.18	43	107379	54.211	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	128716	25.130	ug/L	97

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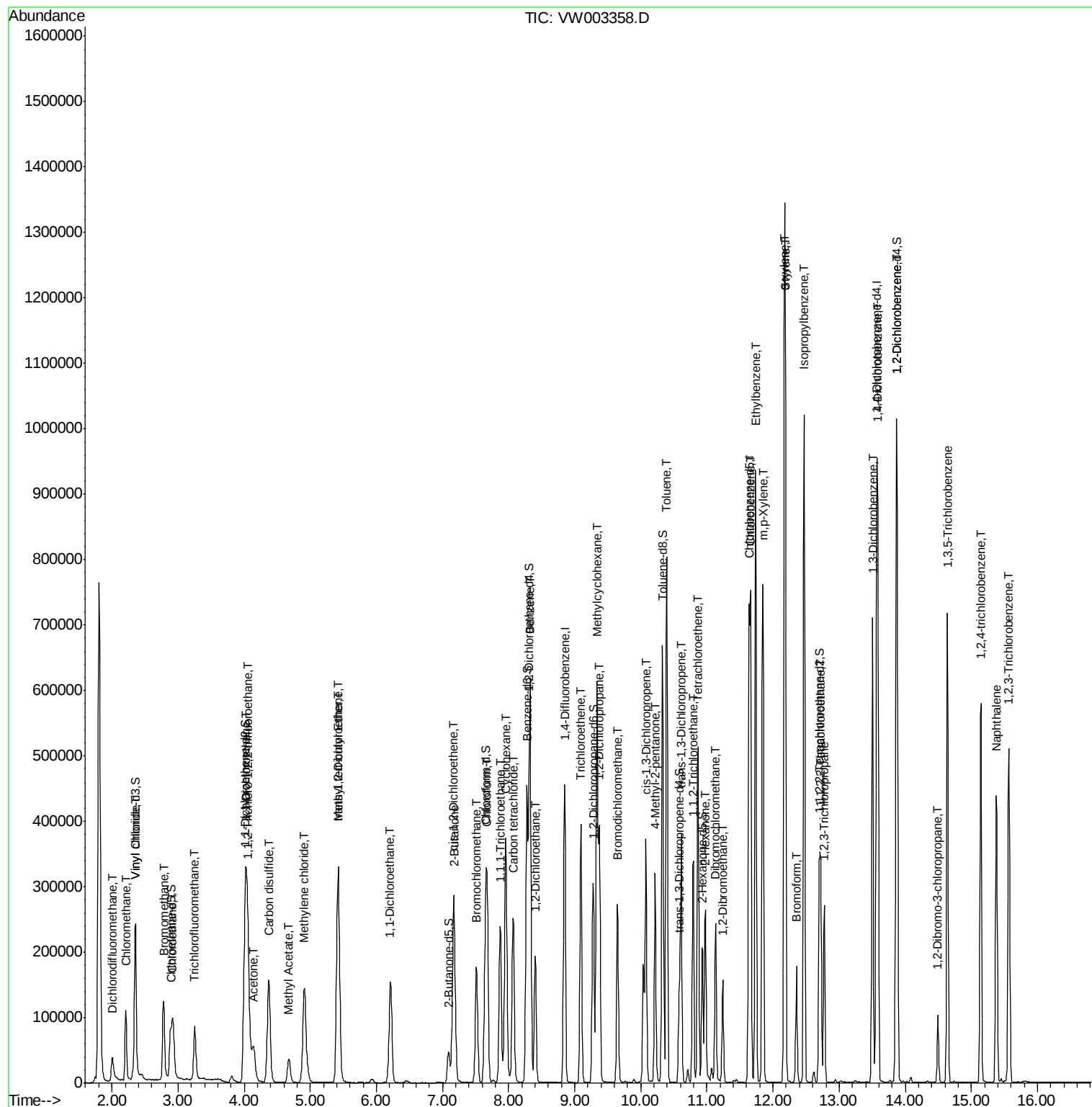
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60534	25.548	ug/L	93
25) Chloroform	7.68	83	234131	25.320	ug/L	100
27) 1,2-Dichloroethane	8.40	62	174009	25.987	ug/L	100
30) Cyclohexane	7.96	56	205115	25.153	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	189566	24.428	ug/L	99
32) Carbon tetrachloride	8.07	117	185123	24.693	ug/L	100
34) Benzene	8.32	78	504286	25.037	ug/L	100
35) Trichloroethene	9.09	95	133607	24.611	ug/L	100
36) Methylcyclohexane	9.34	83	233918	25.240	ug/L	100
40) 1,2-Dichloropropane	9.37	63	134937	25.458	ug/L	100
41) Bromodichloromethane	9.65	83	173078	25.405	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	203940	25.781	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	210075	55.477	ug/L	99
44) Toluene	10.39	91	554511	25.385	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	189221	26.434	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	102891	26.002	ug/L	98
47) Tetrachloroethene	10.87	164	111597	24.463	ug/L	99
49) 2-Hexanone	10.98	43	169737	60.151	ug/L	98
50) Dibromochloromethane	11.13	129	123822	25.705	ug/L	97
51) 1,2-Dibromoethane	11.24	107	101564	25.830	ug/L	96
52) Chlorobenzene	11.66	112	354759	25.010	ug/L	98
53) Ethylbenzene	11.74	91	627488	25.610	ug/L	100
54) m,p-Xylene	11.85	106	236815	26.024	ug/L	94
55) o-xylene	12.17	106	222401	25.693	ug/L	98
56) Styrene	12.19	104	392400	26.257	ug/L	98
57) Isopropylbenzene	12.47	105	621134	25.863	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	141147	27.058	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	105847	26.477	ug/L	100
62) Bromoform	12.35	173	80255	26.273	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	277034	24.824	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	292537	25.003	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	270772	25.413	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24442	26.140	ug/L	87
67) 1,3,5-Trichlorobenzene	14.64	180	217347	25.064	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	180076	25.508	ug/L	99
69) Naphthalene	15.38	128	364493	27.594	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	172514	26.663	ug/L	99

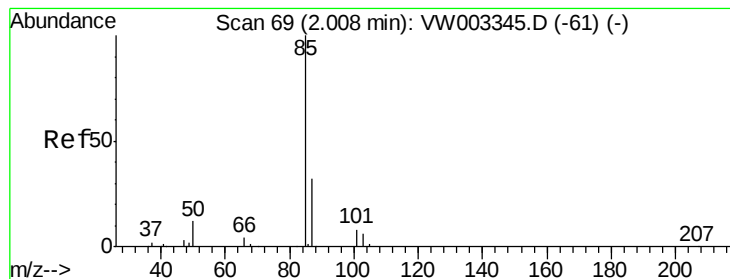
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.979 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

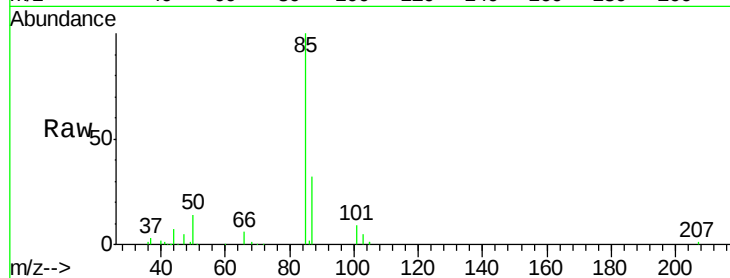
VSTD02588

Tgt Ion: 85 Resp: 56866

Ion Ratio Lower Upper

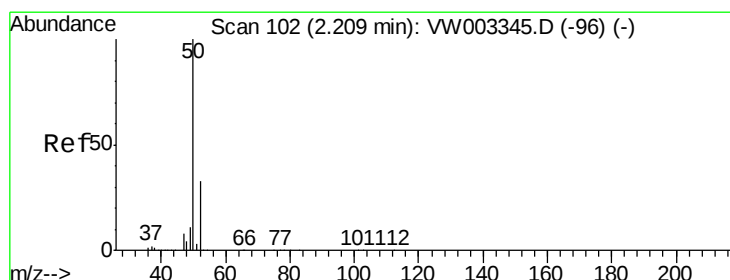
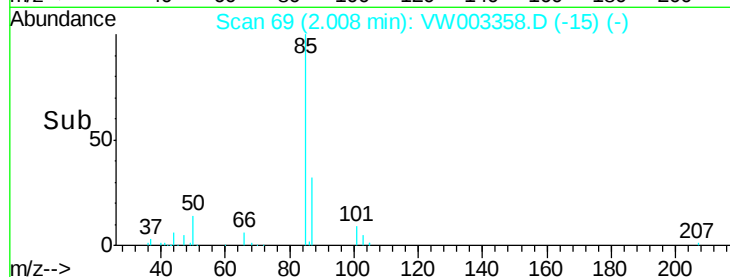
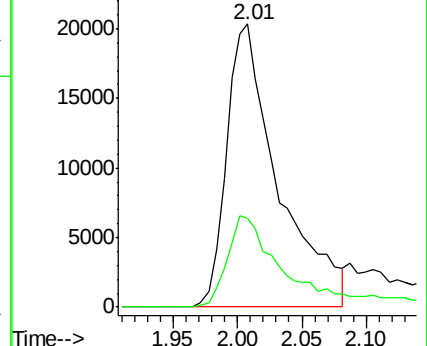
85 100

87 33.0 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: 25.039 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003358.D

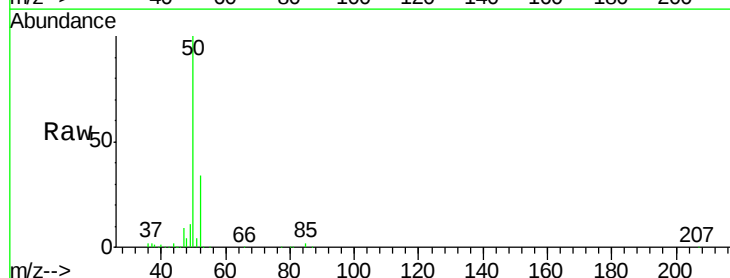
Acq: 20 Jun 2018 17:41

Tgt Ion: 50 Resp: 109323

Ion Ratio Lower Upper

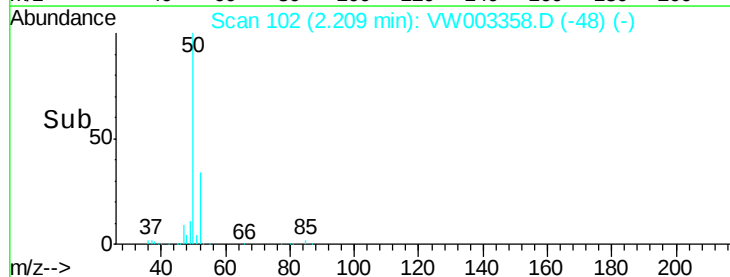
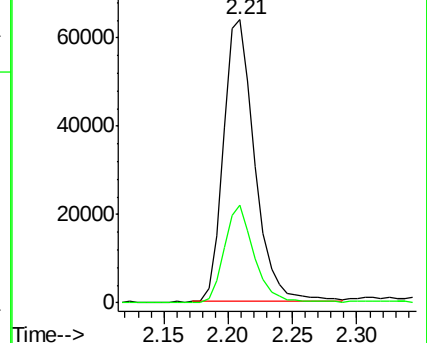
50 100

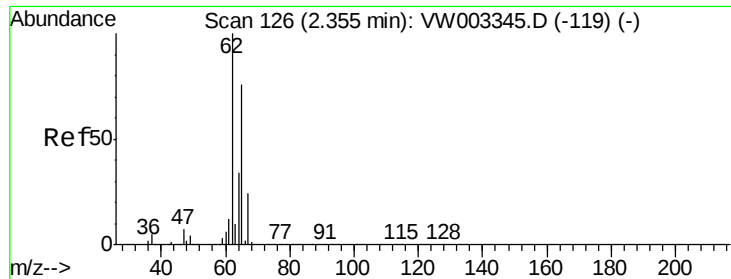
52 34.4 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.586 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

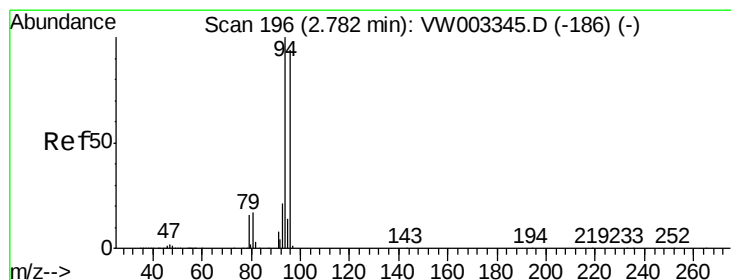
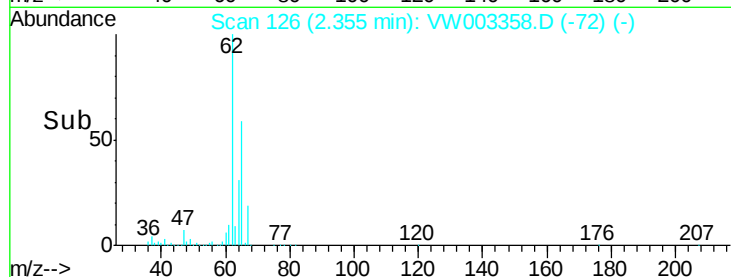
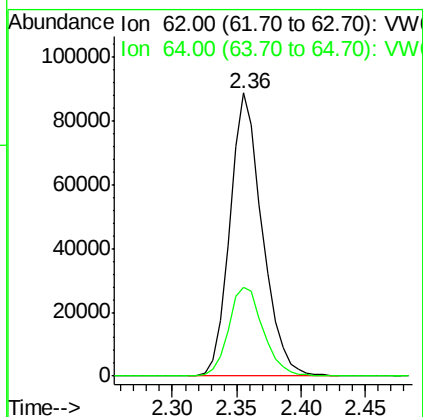
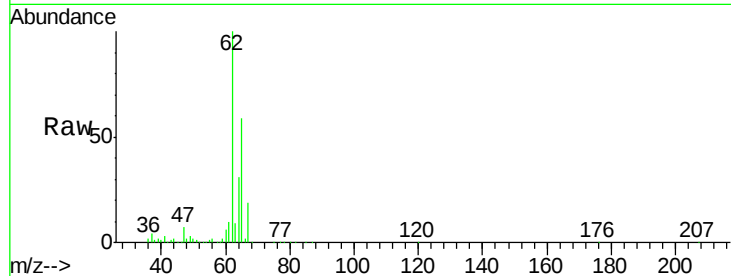
VSTD02588

Tgt Ion: 62 Resp: 155353

Ion Ratio Lower Upper

62 100

64 31.3 23.5 43.7



#6

Bromomethane

Concen: 26.164 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003358.D

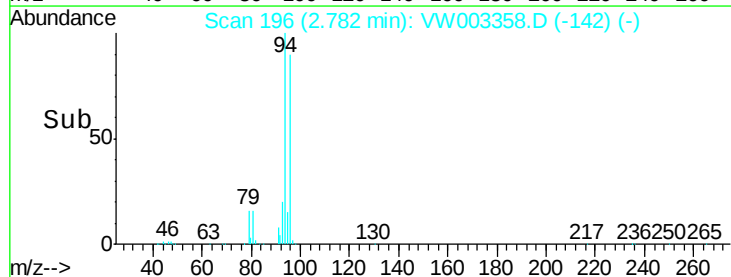
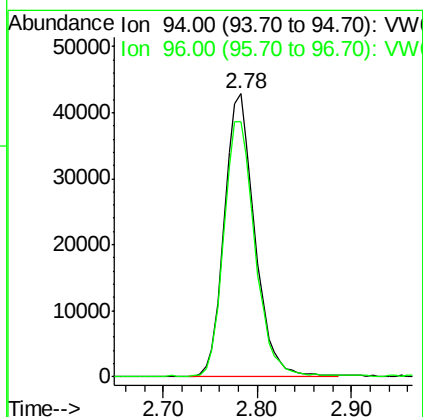
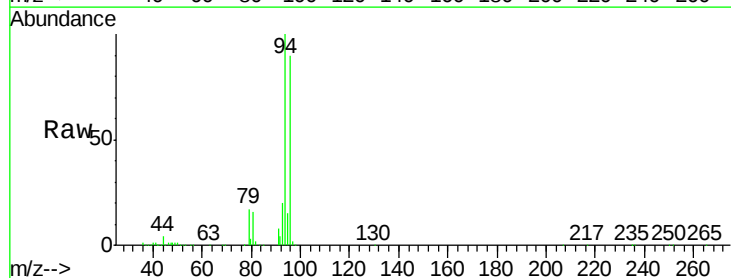
Acq: 20 Jun 2018 17:41

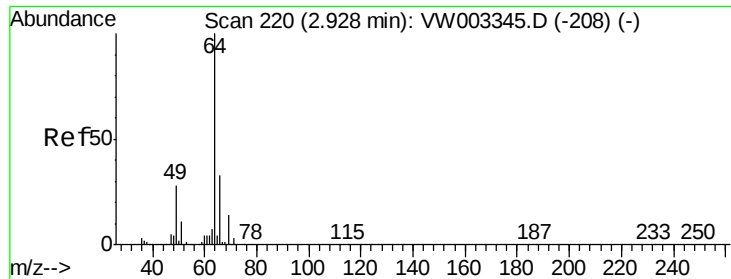
Tgt Ion: 94 Resp: 96195

Ion Ratio Lower Upper

94 100

96 92.2 9.5 180.3





#8

Chloroethane

Concen: 24.378 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

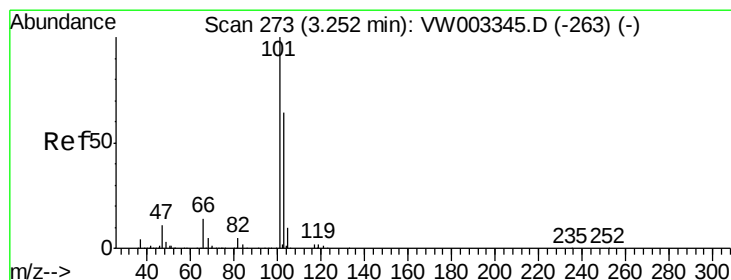
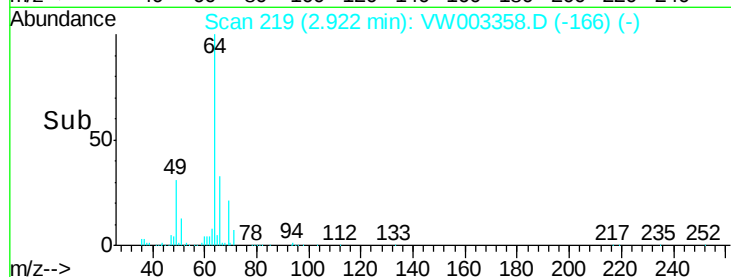
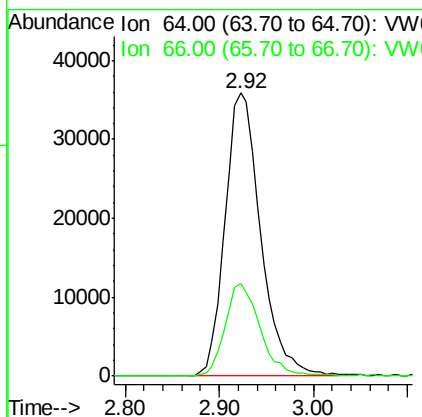
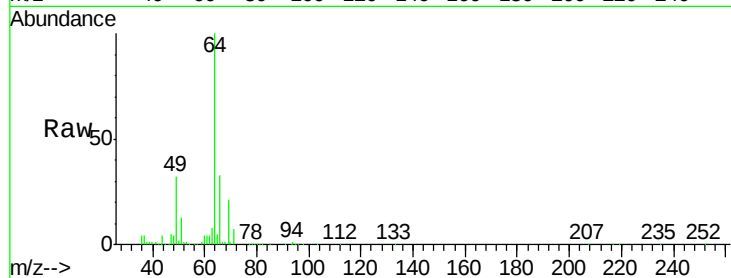
VSTD02588

Tgt Ion: 64 Resp: 93860

Ion Ratio Lower Upper

64 100

66 32.6 22.9 42.5



#9

Trichlorofluoromethane

Concen: 23.322 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW003358.D

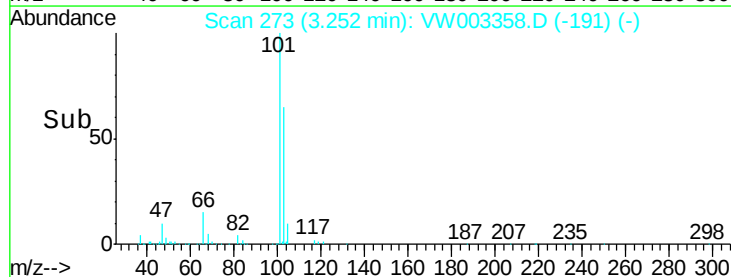
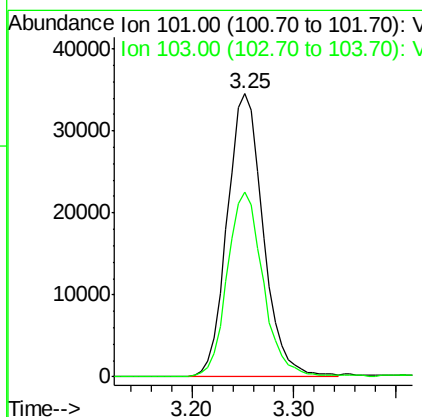
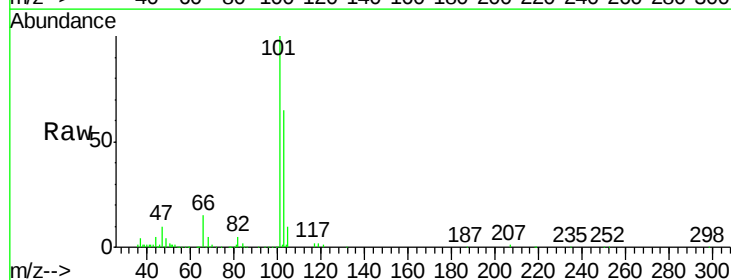
Acq: 20 Jun 2018 17:41

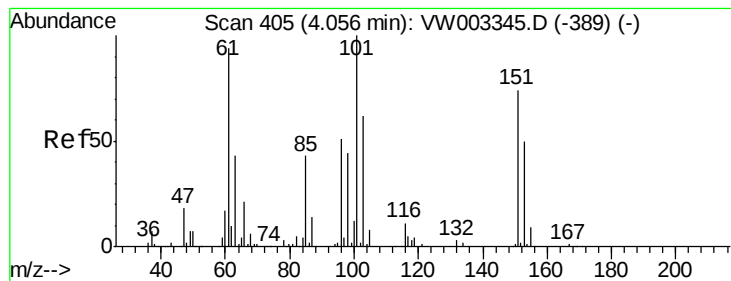
Tgt Ion: 101 Resp: 84528

Ion Ratio Lower Upper

101 100

103 64.6 45.1 83.7





#11

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

Concen: 24.675 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

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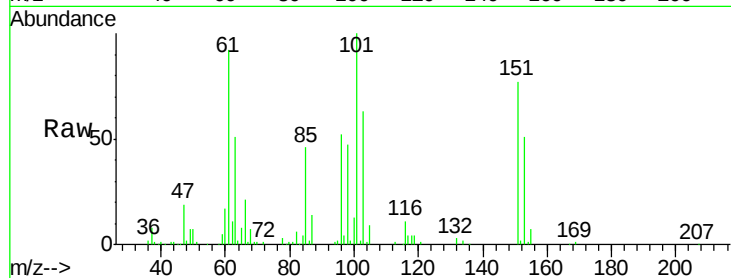
Tgt Ion: 101 Resp: 120749

Ion Ratio Lower Upper

101 100

85 44.7 35.4 53.0

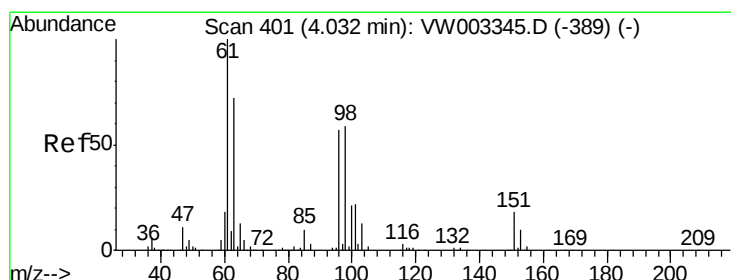
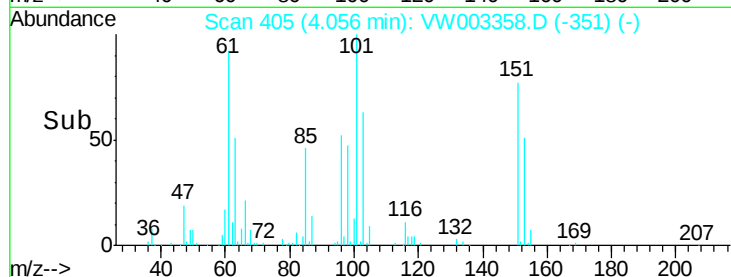
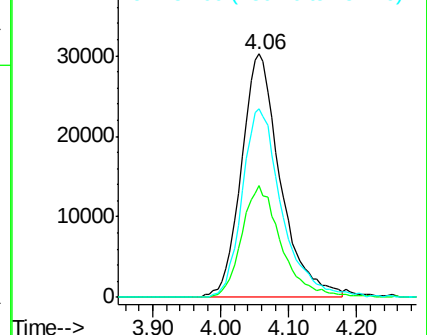
151 78.2 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.445 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

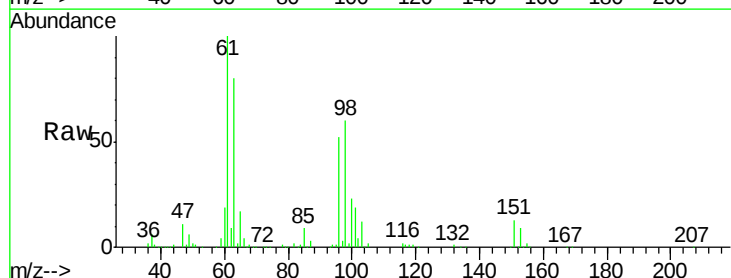
Tgt Ion: 96 Resp: 113069

Ion Ratio Lower Upper

96 100

61 193.1 124.1 230.5

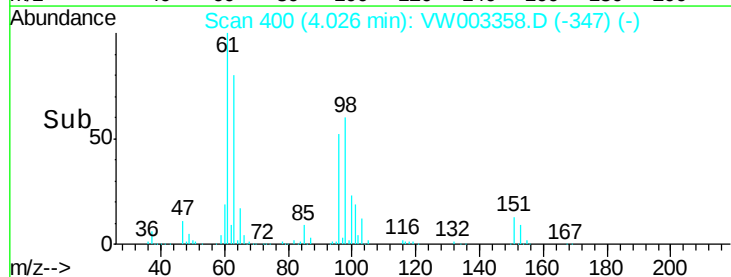
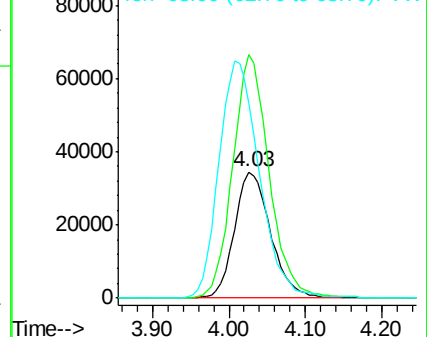
63 155.0 93.1 172.9

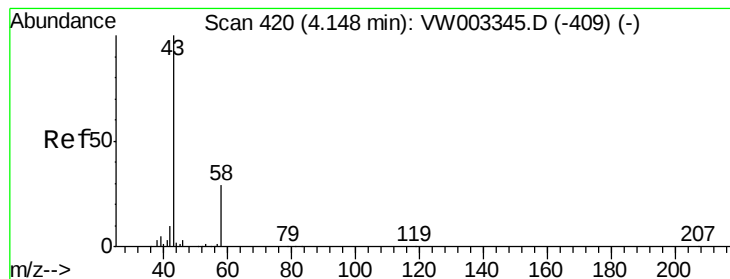


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.881 ug/L

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

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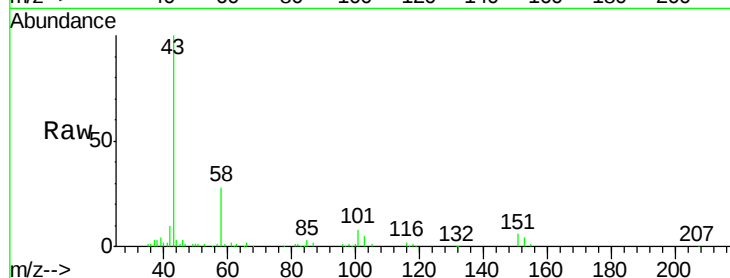
VSTD02588

Tgt Ion: 43 Resp: 90821

Ion Ratio Lower Upper

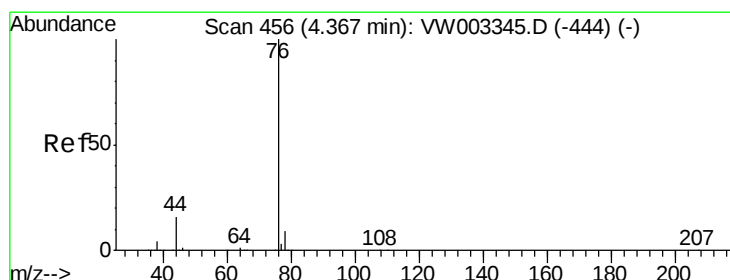
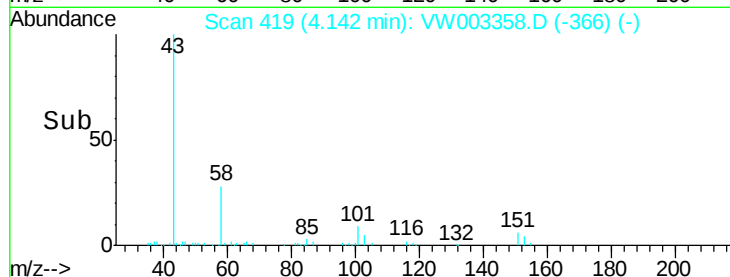
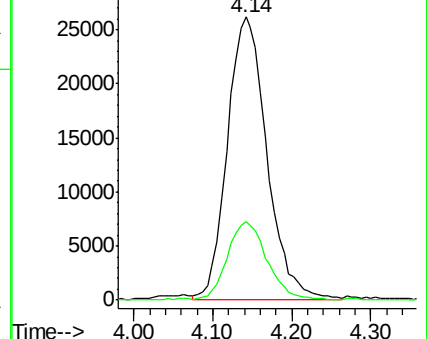
43 100

58 27.9 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: 24.732 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003358.D

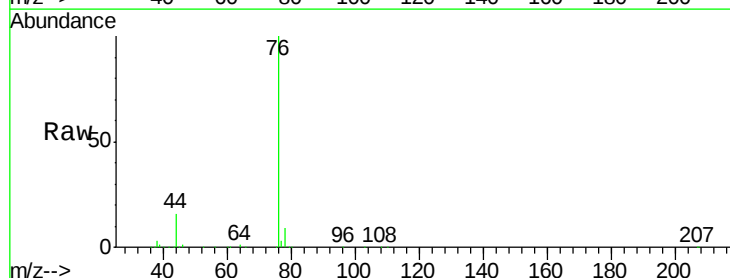
Acq: 20 Jun 2018 17:41

Tgt Ion: 76 Resp: 369072

Ion Ratio Lower Upper

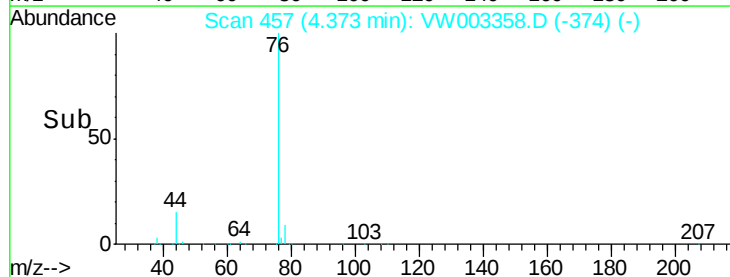
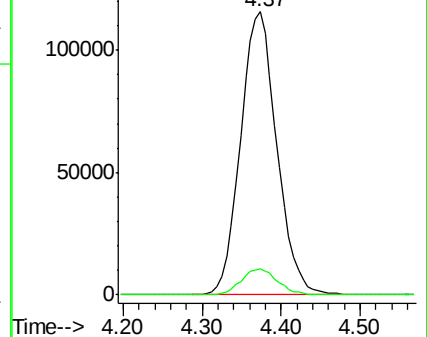
76 100

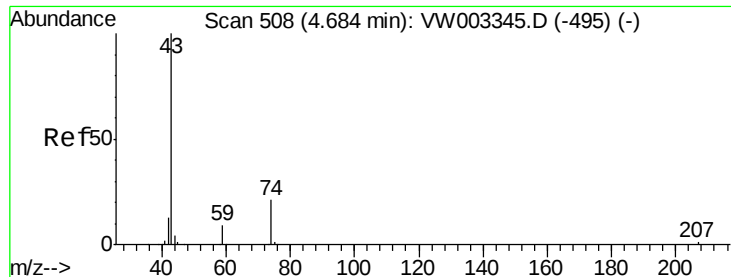
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

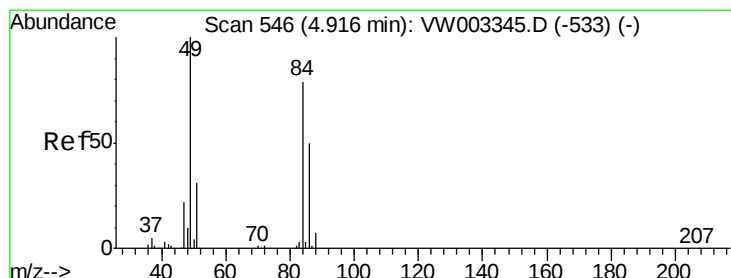
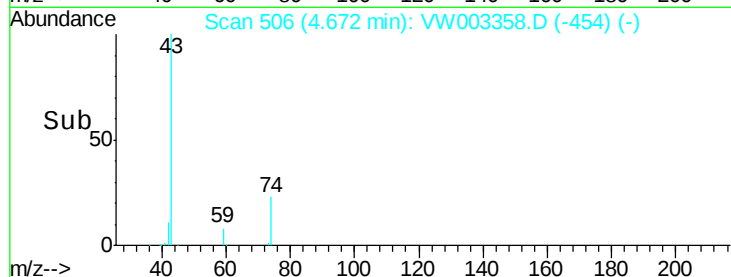
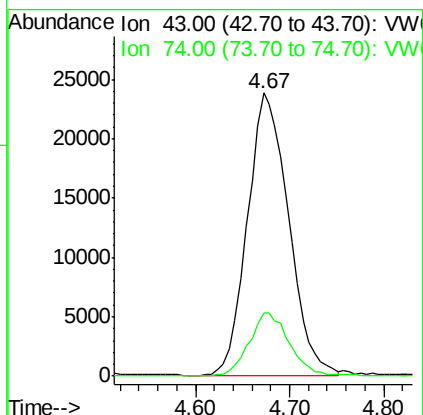
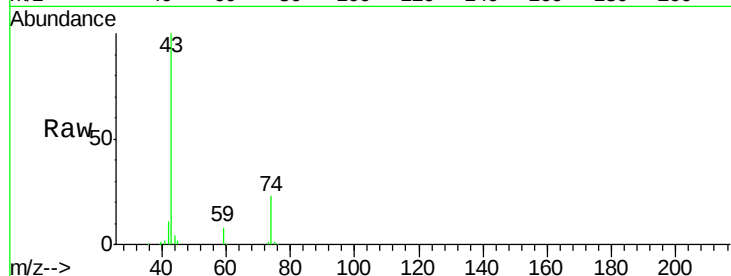




#15
Methyl Acetate
Concen: 26.383 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

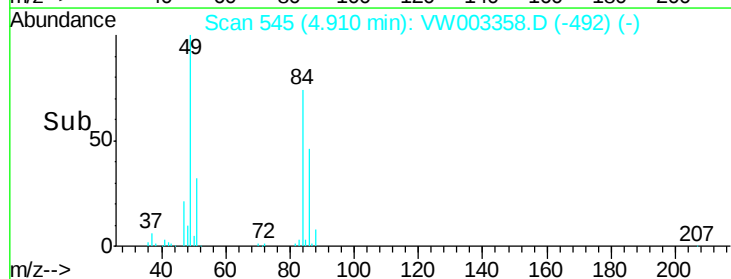
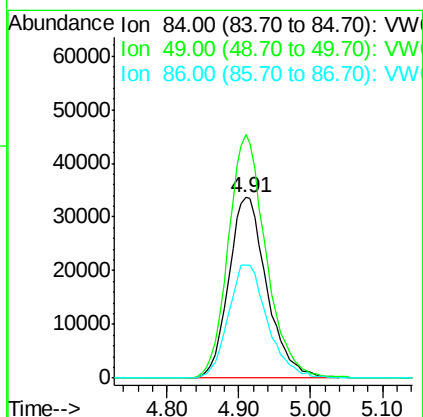
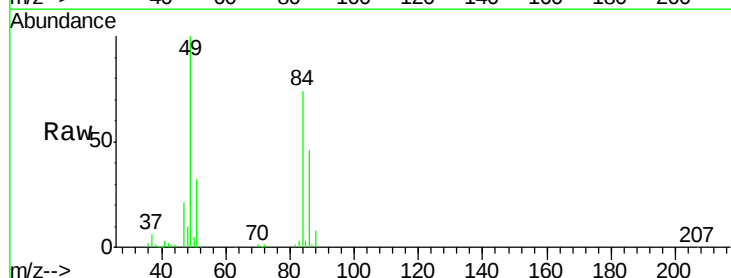
Instrument :
MSVOA_W
ClientSampled :
VSTD02588

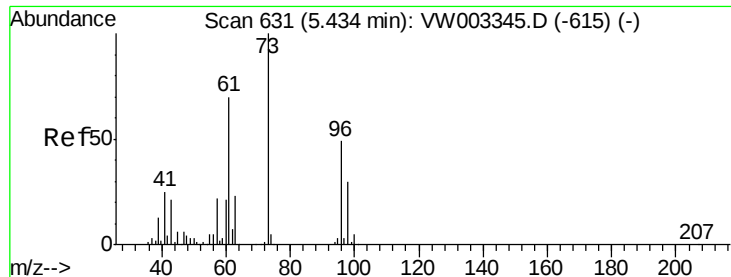
Tgt Ion: 43 Resp: 72890
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3



#16
Methylene chloride
Concen: 24.329 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

Tgt Ion: 84 Resp: 124047
Ion Ratio Lower Upper
84 100
49 134.6 88.7 164.7
86 62.4 44.2 82.0

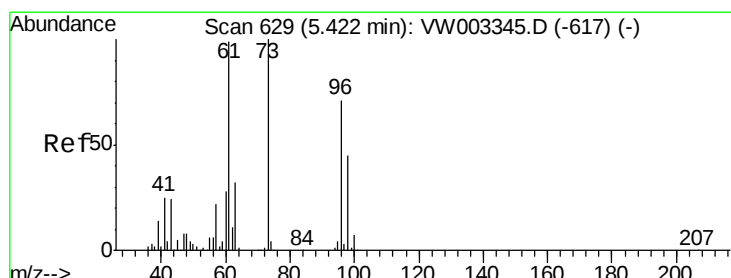
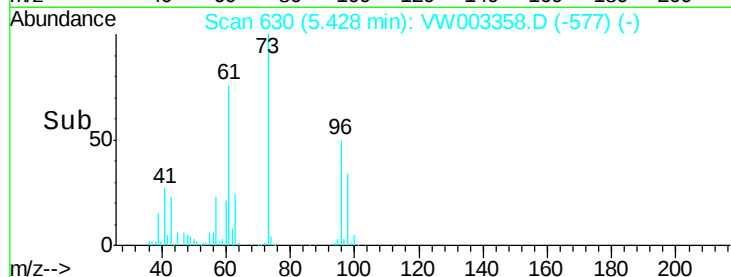
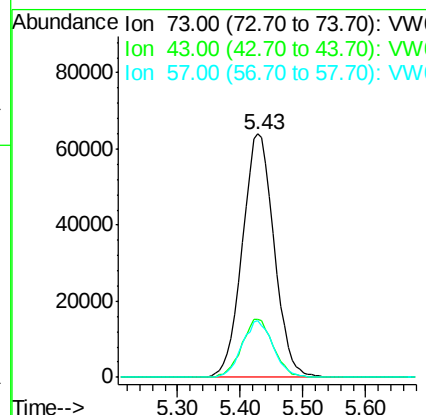
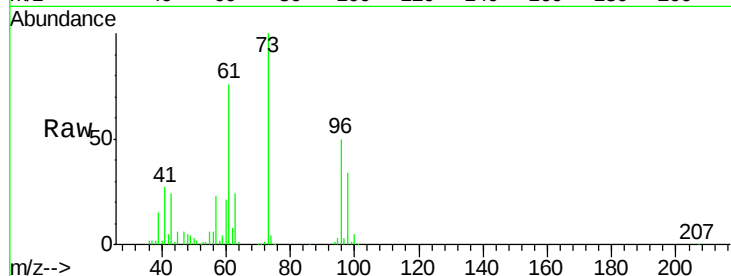




#17
Methyl tert-butyl Ether
Concen: 26.217 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

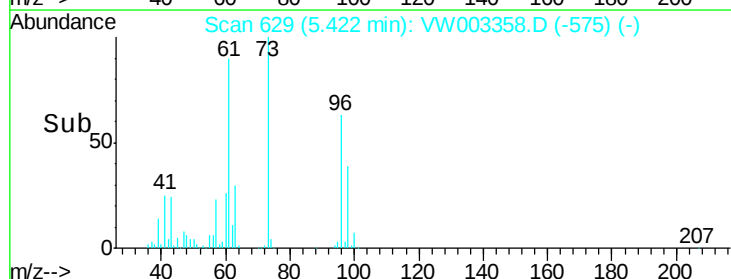
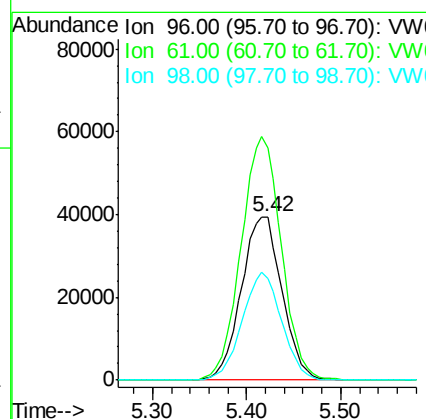
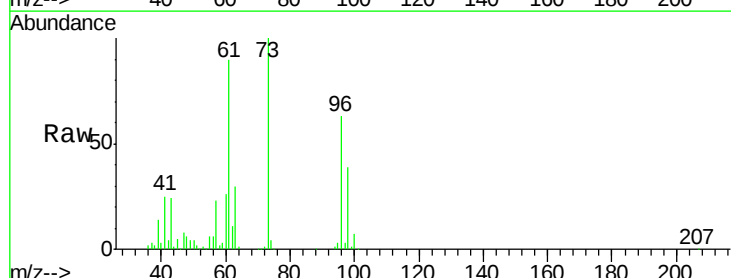
Instrument :
MSVOA_W
ClientSampled :
VSTD02588

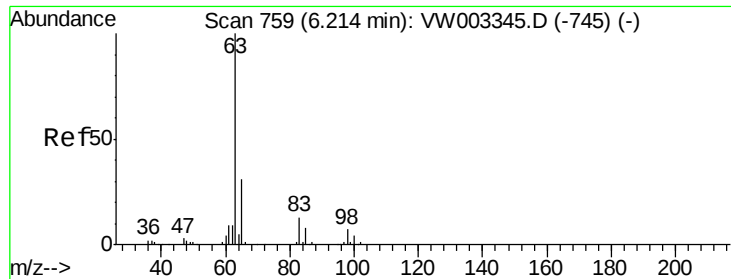
Tgt Ion: 73 Resp: 223738
Ion Ratio Lower Upper
73 100
43 23.6 18.6 27.8
57 22.9 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 24.696 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

Tgt Ion: 96 Resp: 119022
Ion Ratio Lower Upper
96 100
61 142.3 98.0 182.0
98 61.9 44.2 82.2

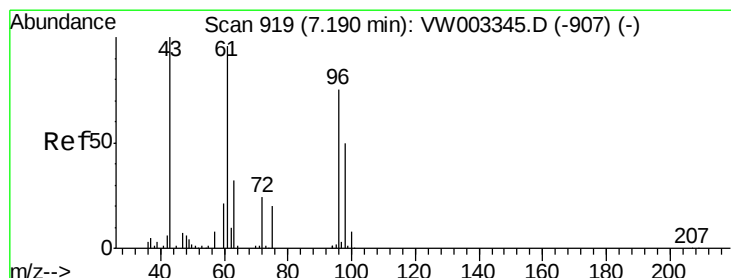
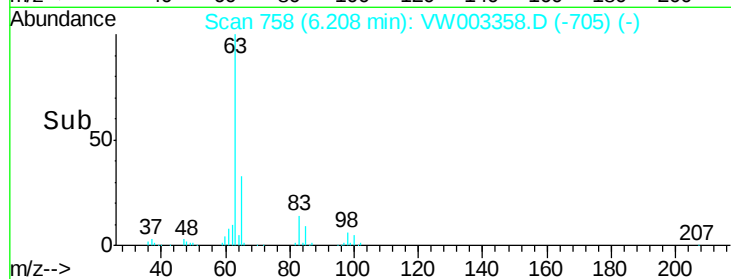
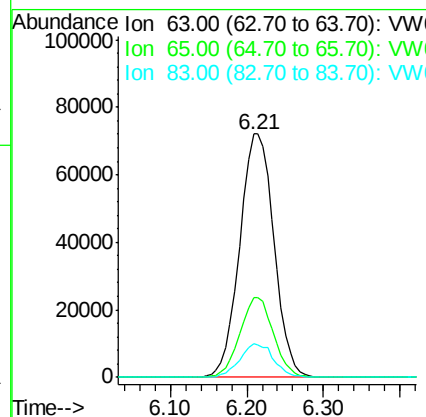
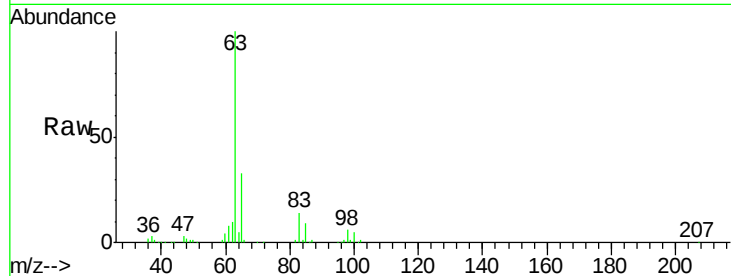




#19
 1,1-Dichloroethane
 Concen: 24.887 ug/L
 RT: 6.21 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

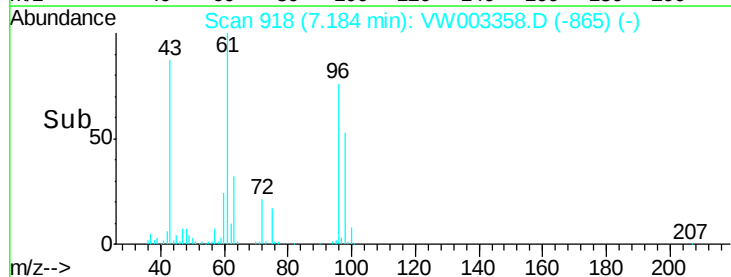
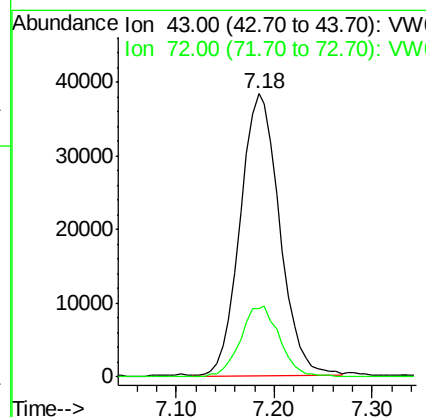
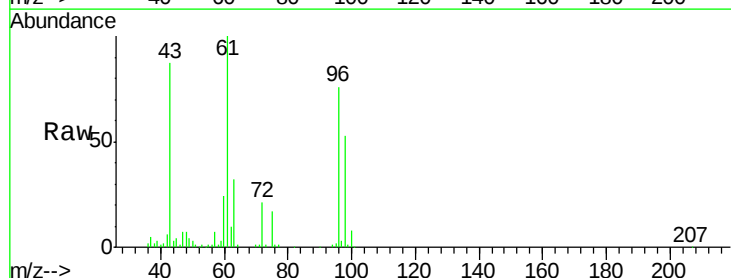
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

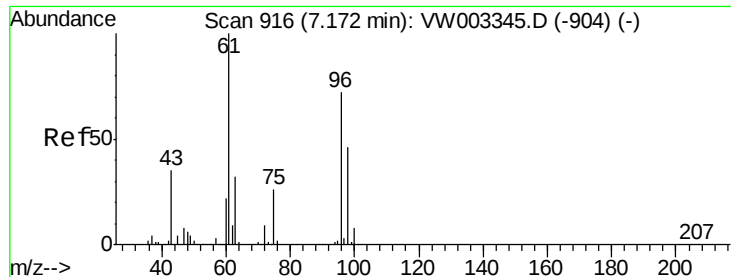
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.9	21.8	40.4
83	13.7	9.0	16.6



#21
 2-Butanone
 Concen: 54.211 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.9	12.5	37.5



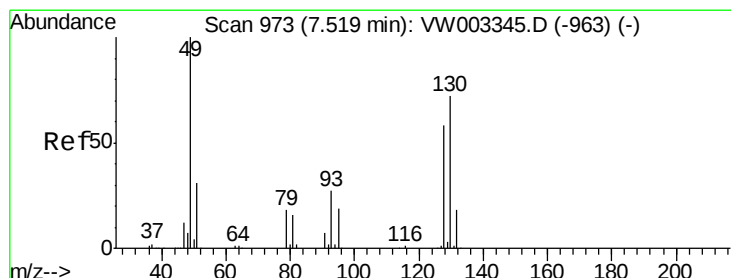
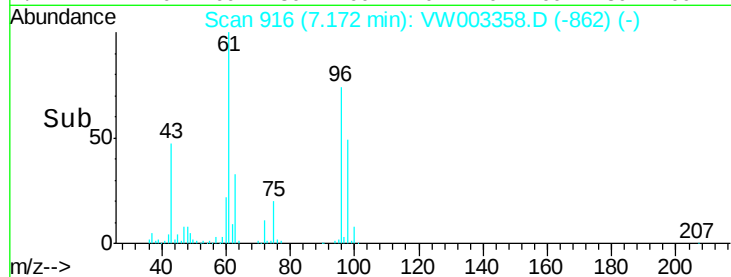
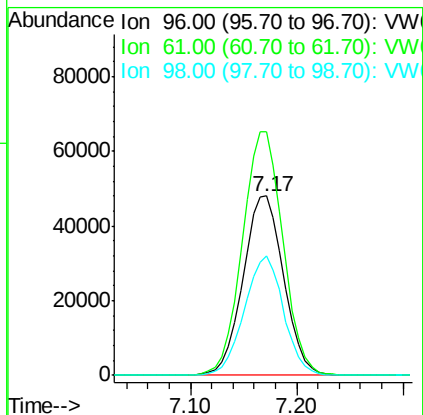
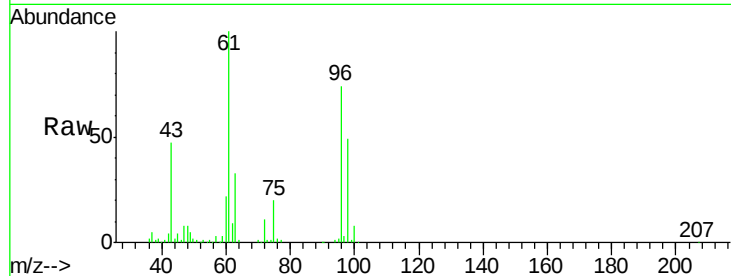


#22

cis-1,2-Dichloroethene
Concen: 25.130 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

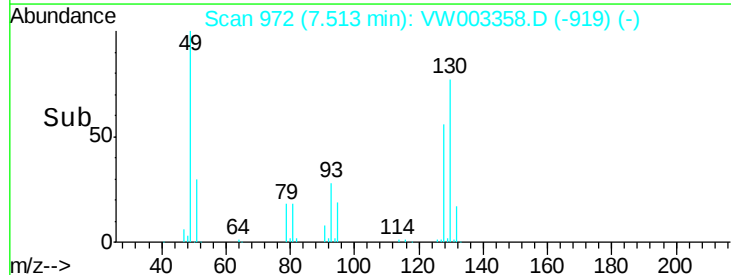
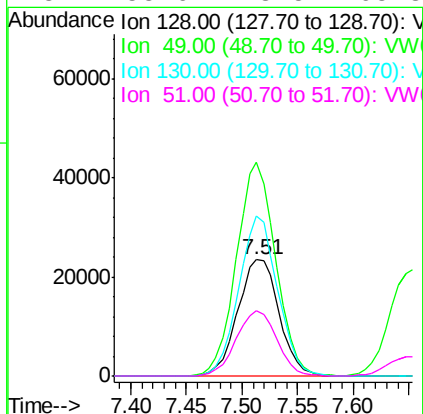
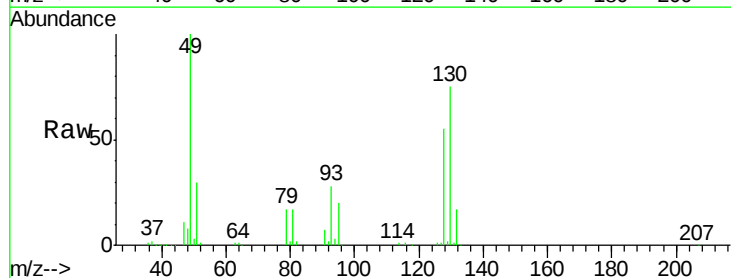
Tgt Ion: 96 Resp: 128716
Ion Ratio Lower Upper
96 100
61 135.9 97.7 181.5
98 67.0 45.0 83.6

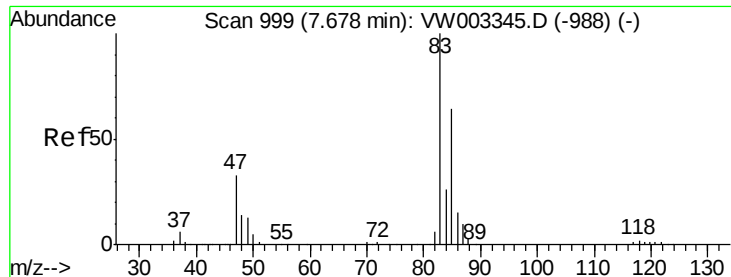


#23

Bromochloromethane
Concen: 25.548 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

Tgt Ion: 128 Resp: 60534
Ion Ratio Lower Upper
128 100
49 183.5 122.0 226.6
130 137.9 88.1 163.5
51 55.6 43.5 65.3

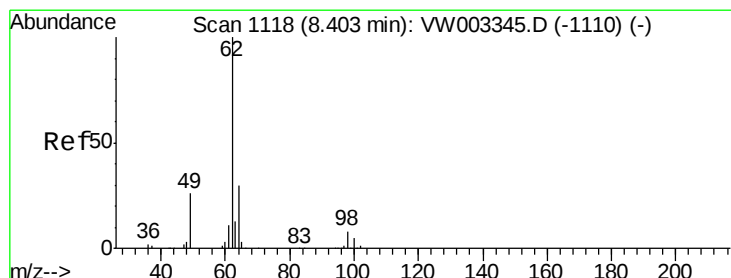
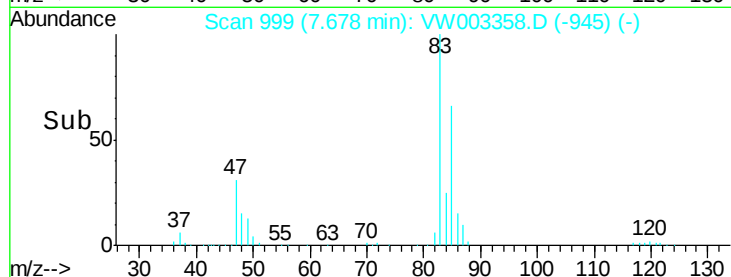
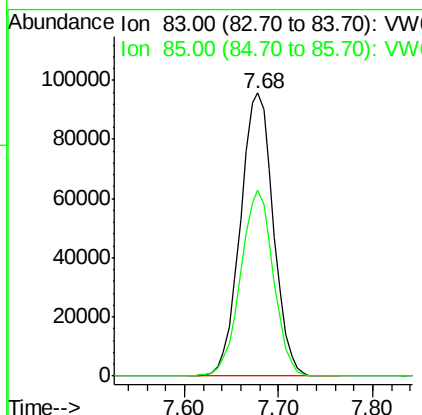
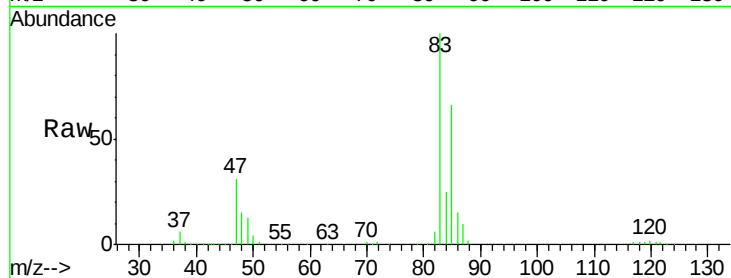




#25
Chloroform
Concen: 25.320 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

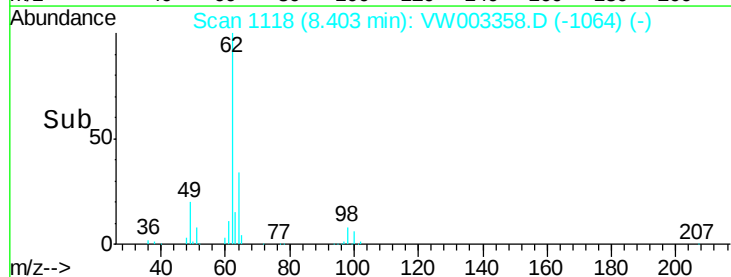
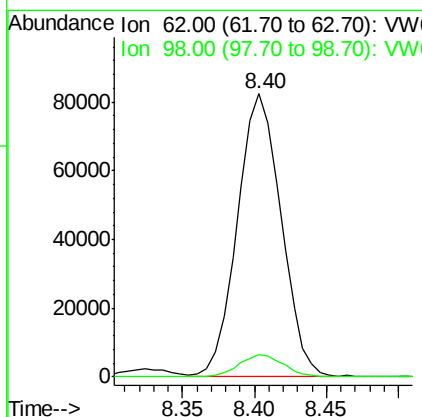
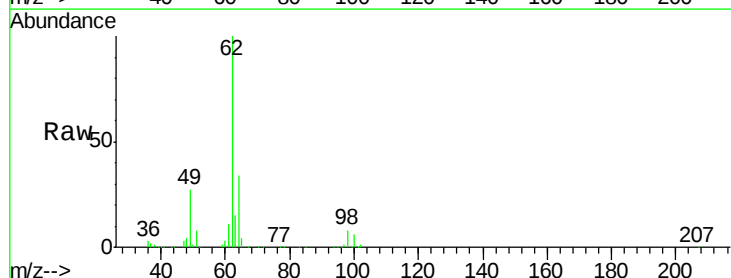
Instrument :
MSVOA_W
ClientSampled :
VSTD02588

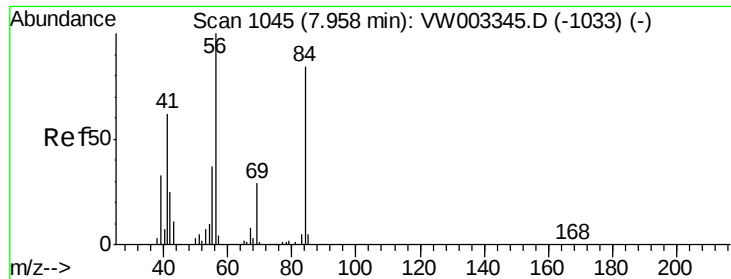
Tgt Ion: 83 Resp: 234131
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.5



#27
1,2-Dichloroethane
Concen: 25.987 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

Tgt Ion: 62 Resp: 174009
Ion Ratio Lower Upper
62 100
98 7.9 6.5 9.7

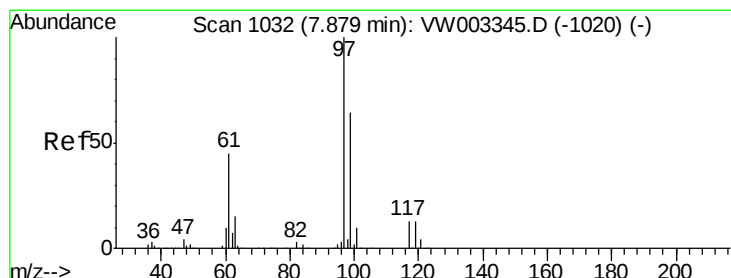
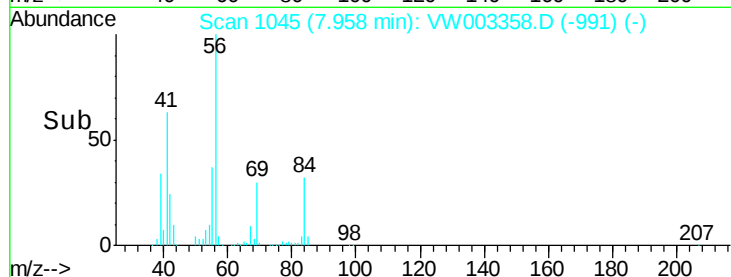
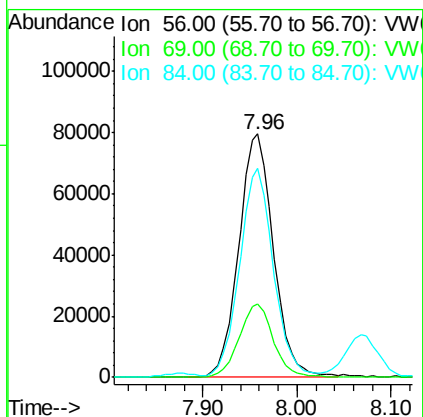
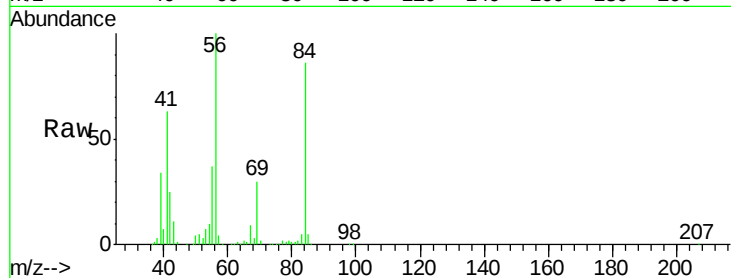




#30
Cyclohexane
Concen: 25.153 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

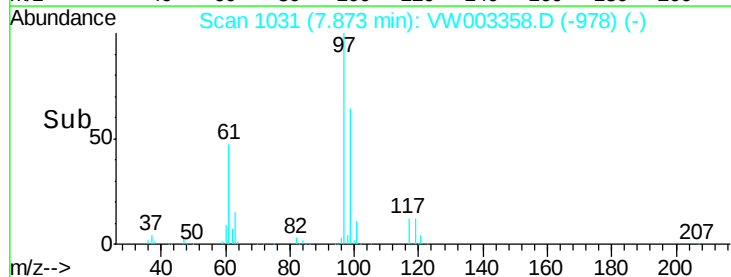
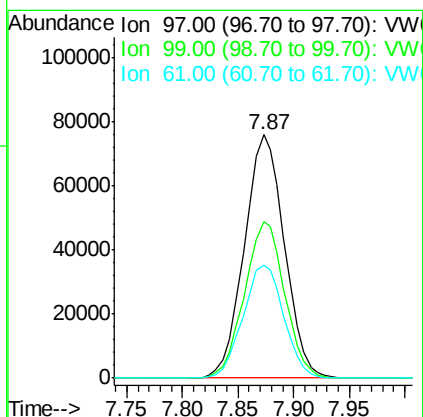
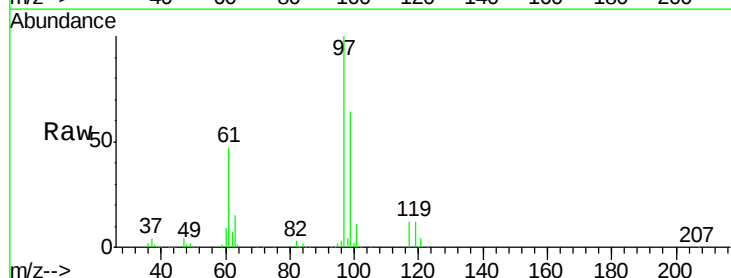
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

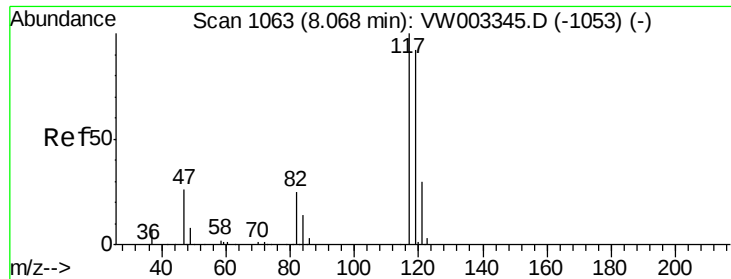
Tgt Ion: 56 Resp: 205115
Ion Ratio Lower Upper
56 100
69 29.8 23.4 35.2
84 84.0 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 24.428 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

Tgt Ion: 97 Resp: 189566
Ion Ratio Lower Upper
97 100
99 64.5 50.9 76.3
61 47.5 37.7 56.5

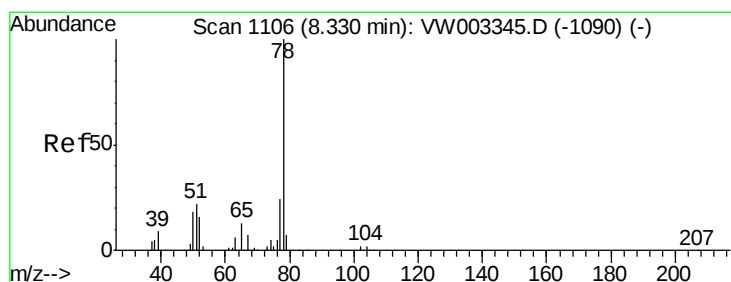
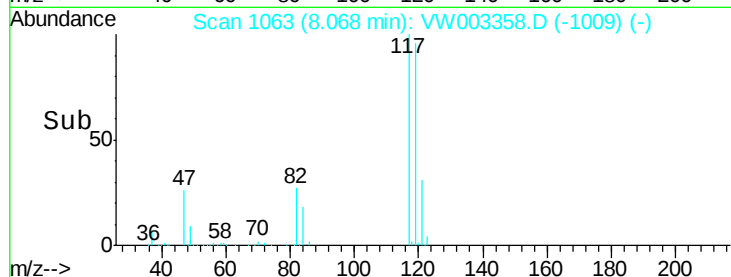
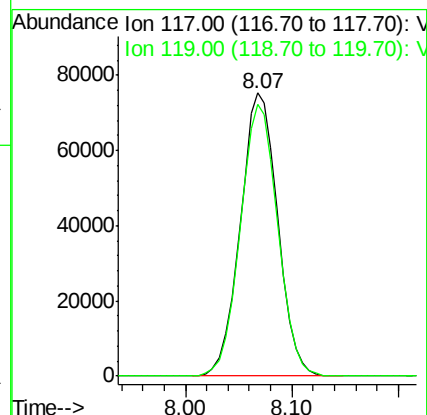
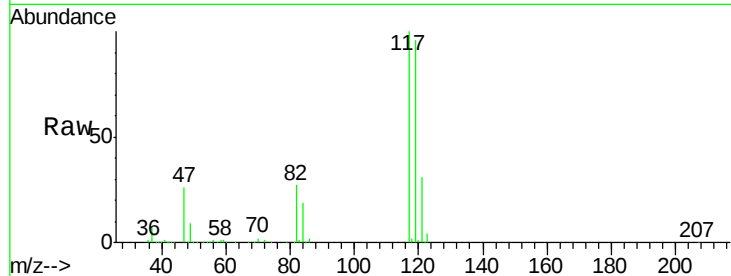




#32
Carbon tetrachloride
Concen: 24.693 ug/L
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

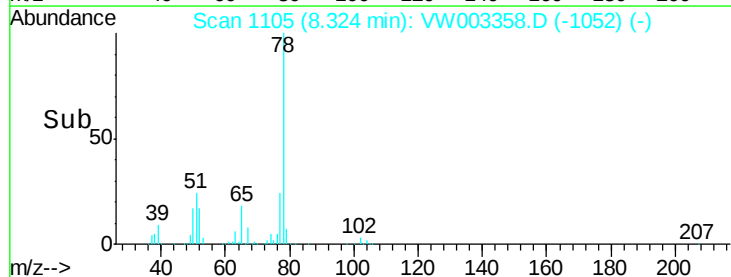
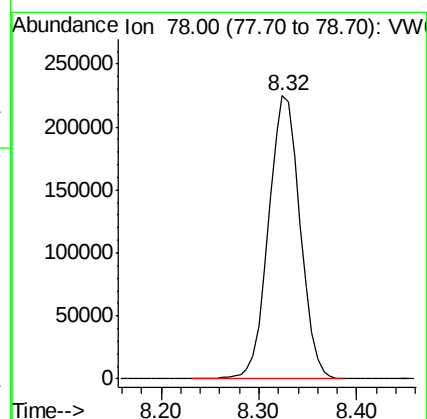
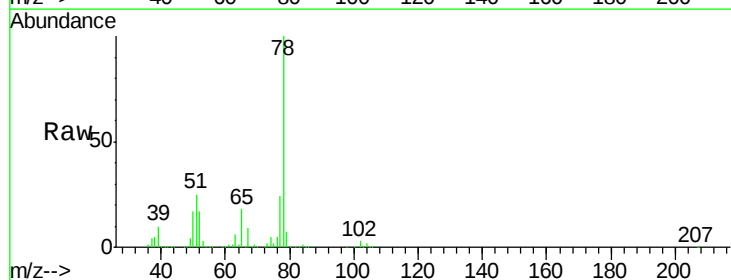
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

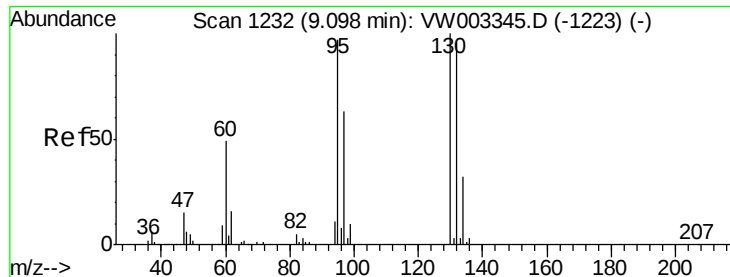
Tgt Ion:117 Resp: 185123
Ion Ratio Lower Upper
117 100
119 96.2 76.6 114.8



#34
Benzene
Concen: 25.037 ug/L
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

Tgt Ion: 78 Resp: 504286

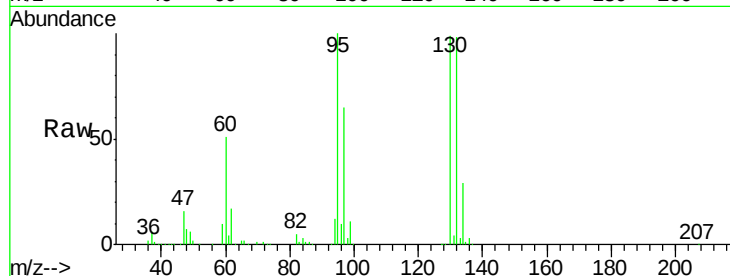




#35
 Trichloroethene
 Concen: 24.611 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Tgt Ion:	95	Resp:	133607
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.6	84.6
132	96.7	67.8	125.8
130	100.2	70.6	131.0



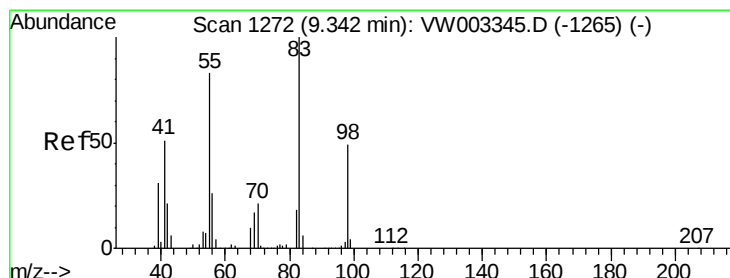
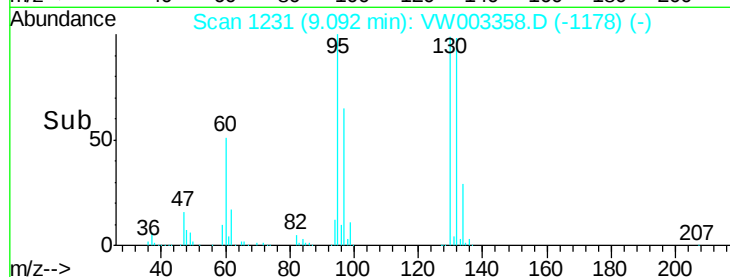
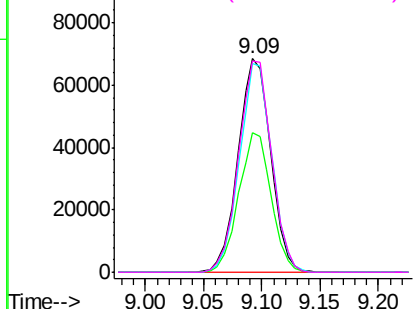
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

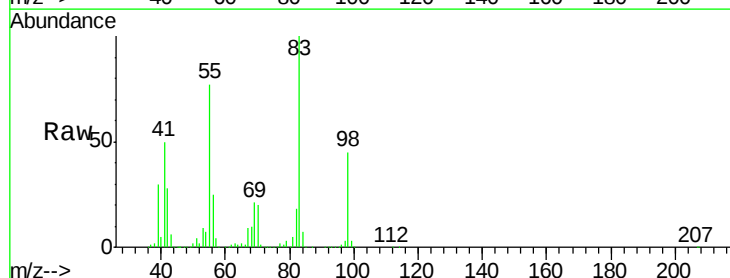
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 25.240 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

Tgt Ion:	83	Resp:	233918
Ion	Ratio	Lower	Upper
83	100		
55	79.8	63.9	95.9
98	46.8	37.1	55.7

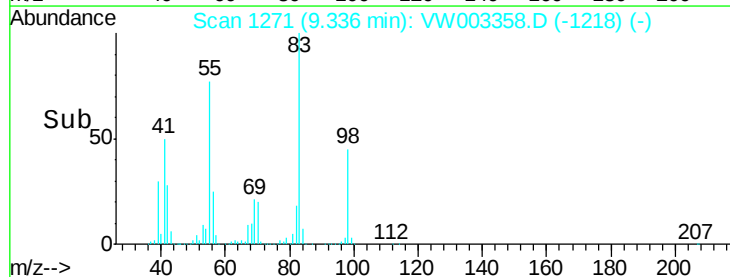
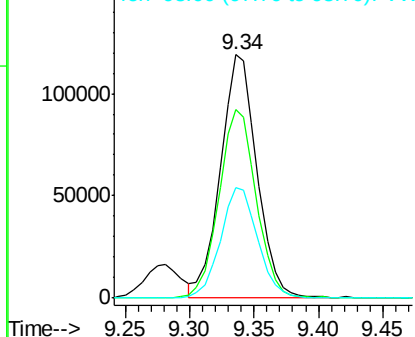


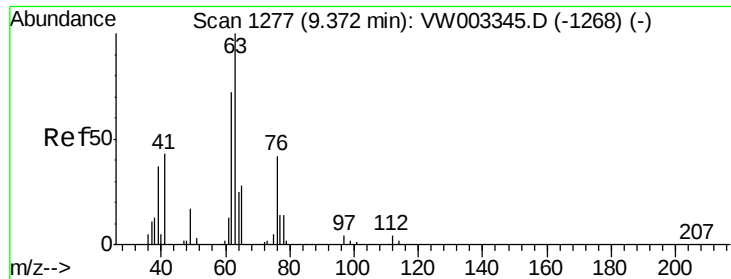
Abundance

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

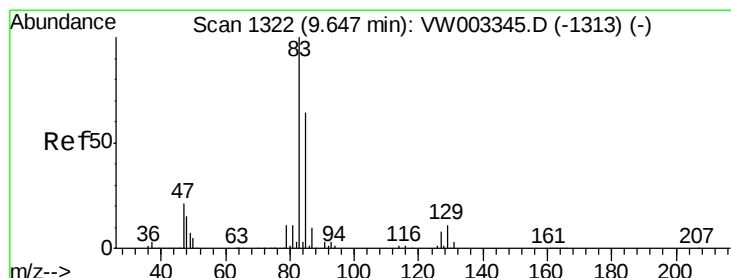
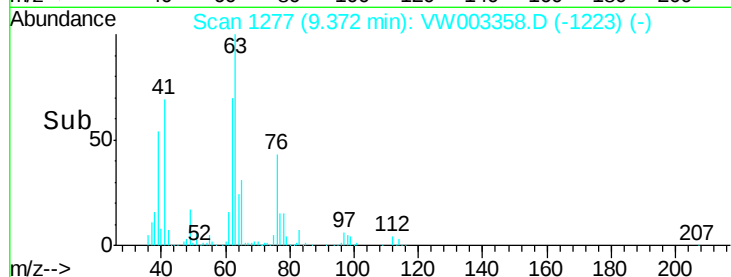
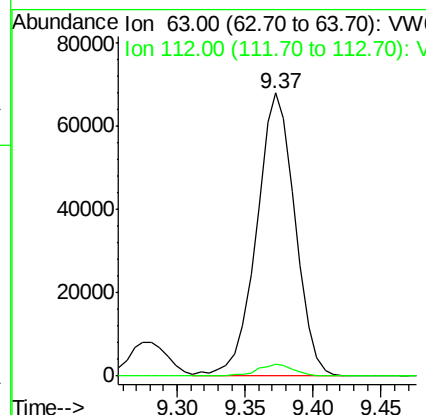
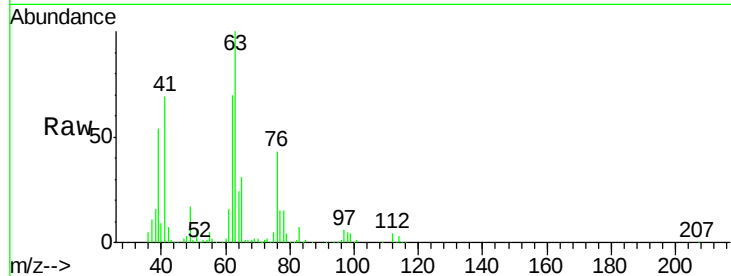




#40
 1,2-Dichloropropane
 Concen: 25.458 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

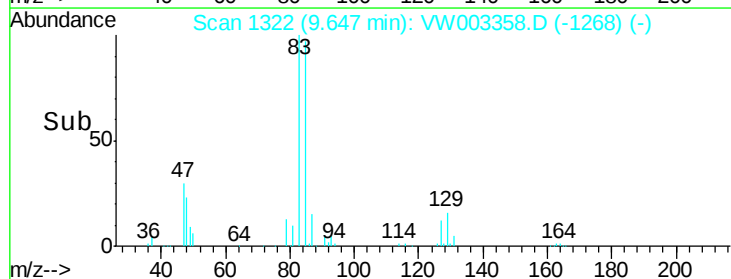
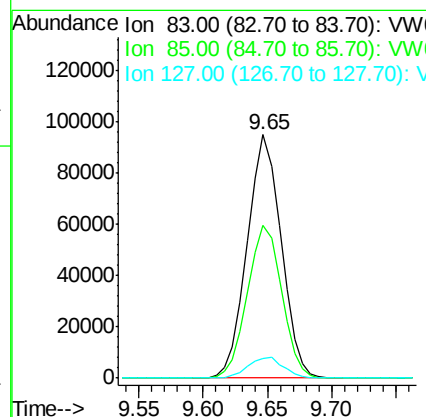
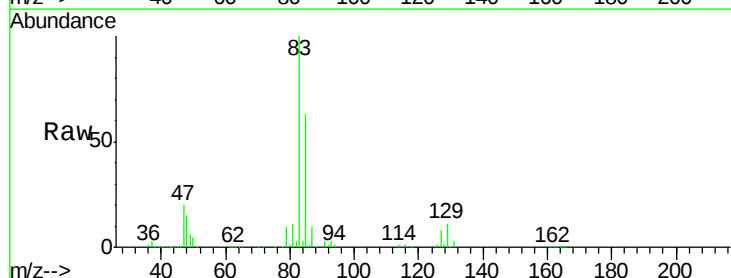
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

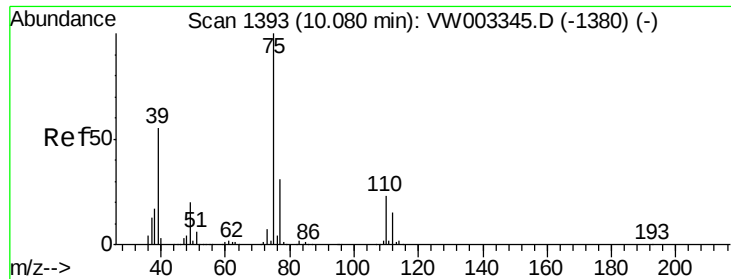
Tgt Ion: 63 Resp: 134937
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#41
 Bromodichloromethane
 Concen: 25.405 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

Tgt Ion: 83 Resp: 173078
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.7 83.1
 127 7.9 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 25.781 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

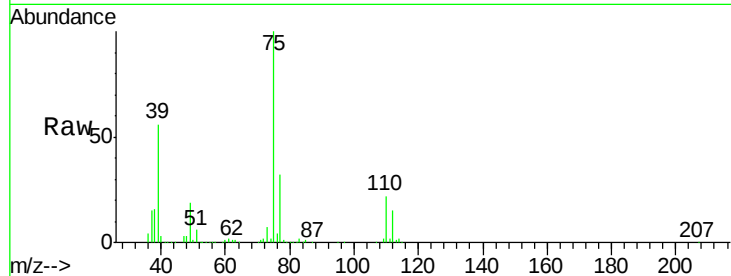
VSTD02588

Tgt Ion: 75 Resp: 203940

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

120000

100000

80000

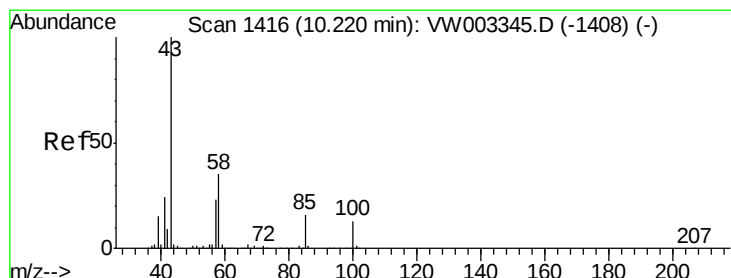
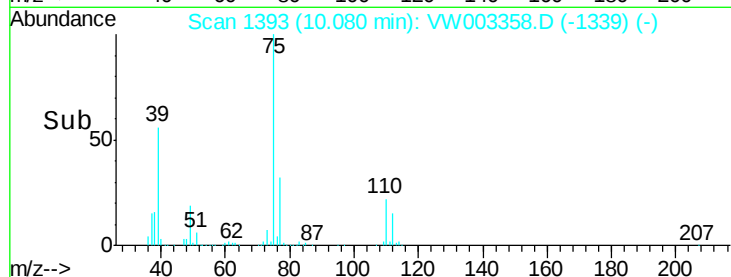
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 55.477 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

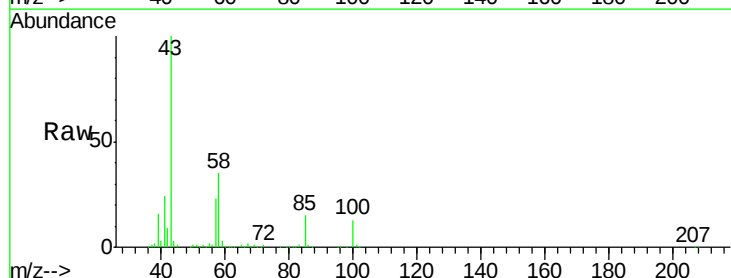
Tgt Ion: 43 Resp: 210075

Ion Ratio Lower Upper

43 100

58 36.7 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

200000

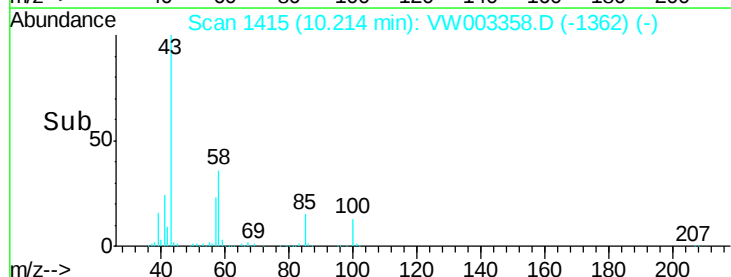
150000

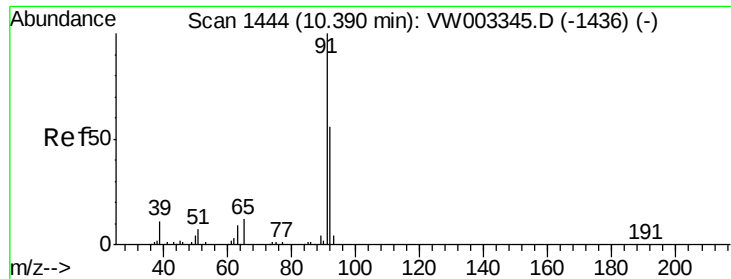
100000

50000

0

Time-->





#44

Toluene

Concen: 25.385 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

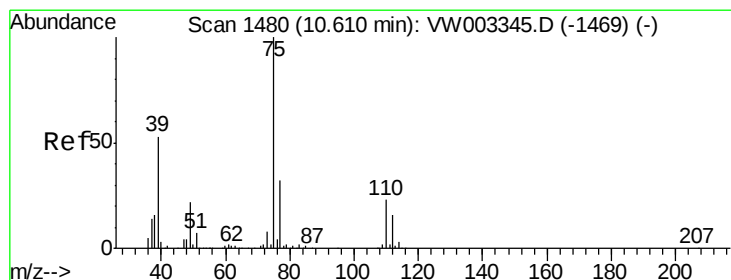
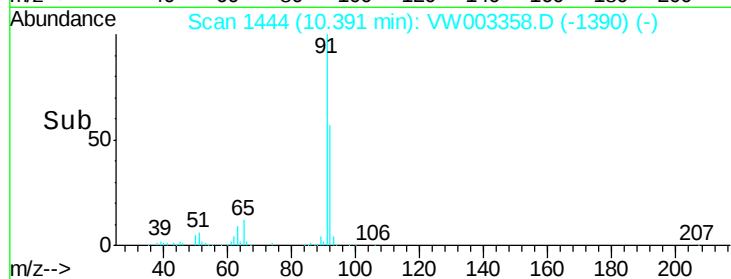
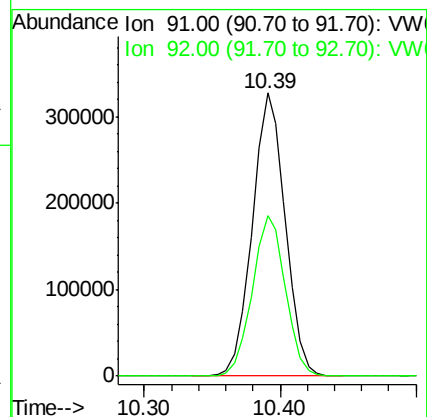
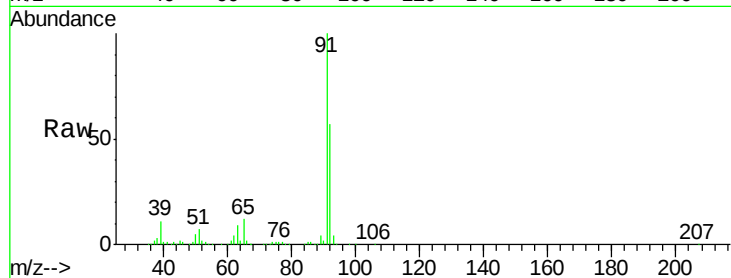
VSTD02588

Tgt Ion: 91 Resp: 554511

Ion Ratio Lower Upper

91 100

92 56.7 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 26.434 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003358.D

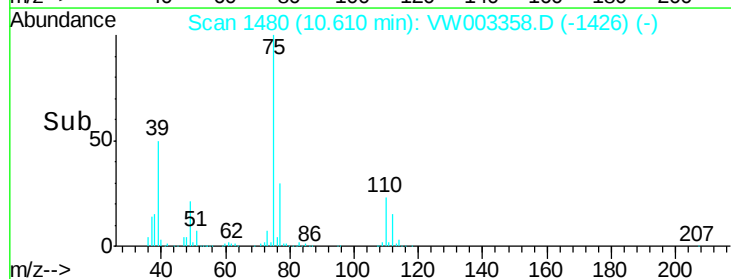
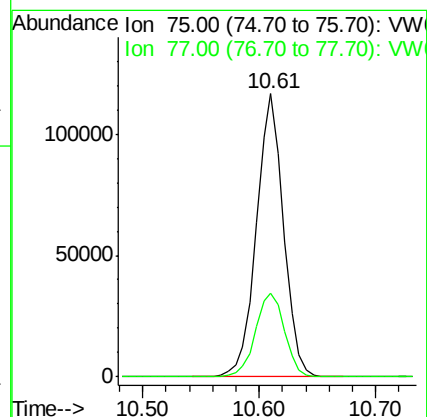
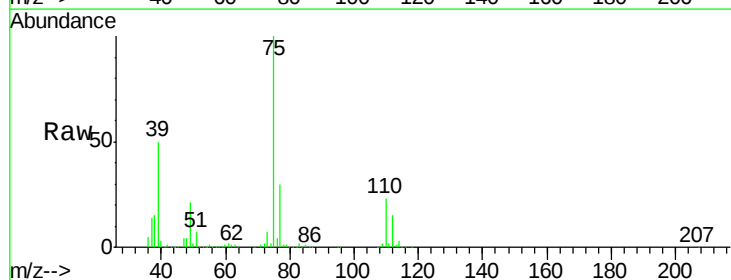
Acq: 20 Jun 2018 17:41

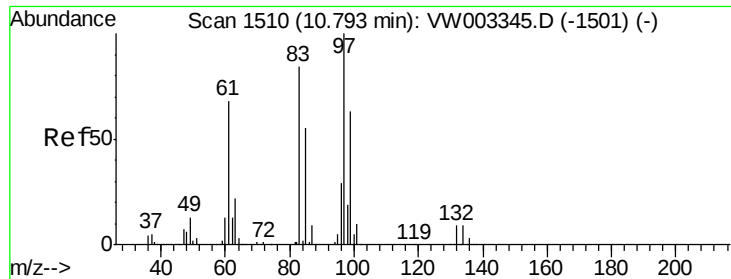
Tgt Ion: 75 Resp: 189221

Ion Ratio Lower Upper

75 100

77 29.7 22.4 41.6

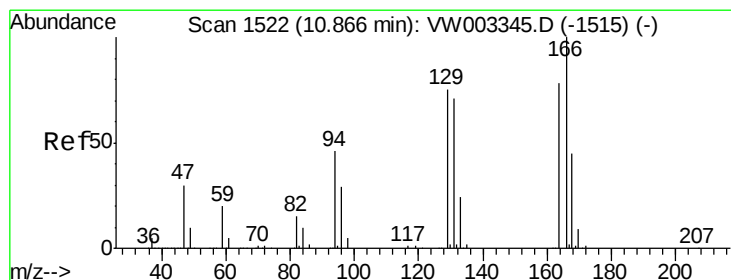
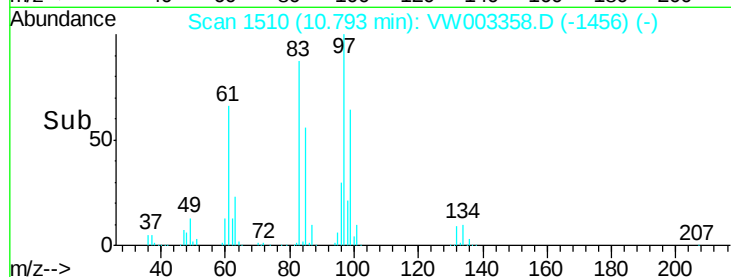
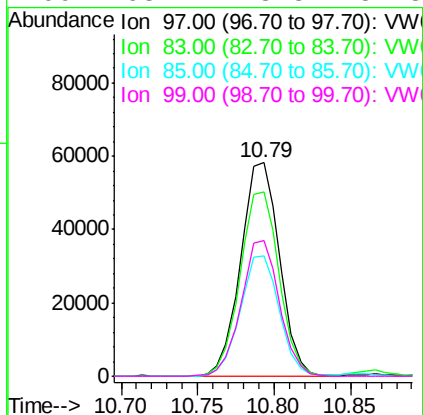
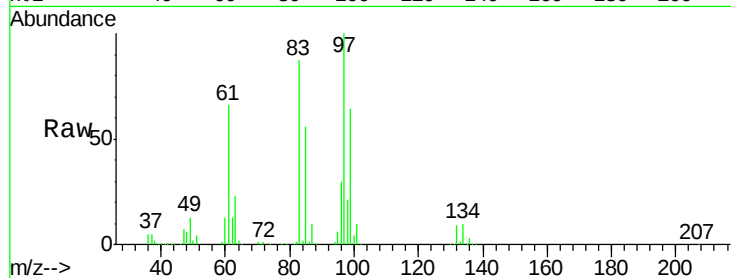




#46
 1,1,2-Trichloroethane
 Concen: 26.002 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

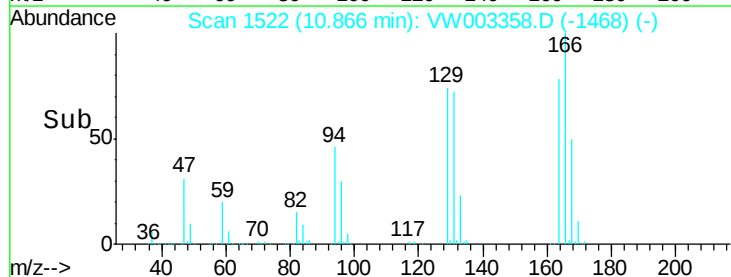
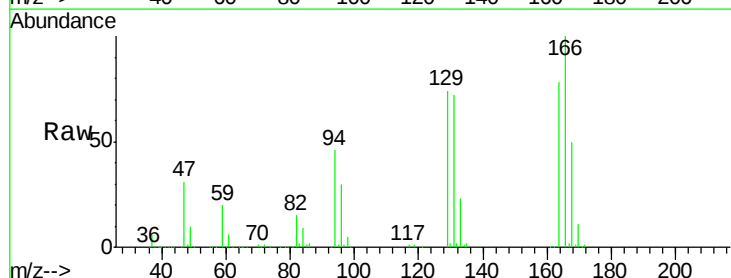
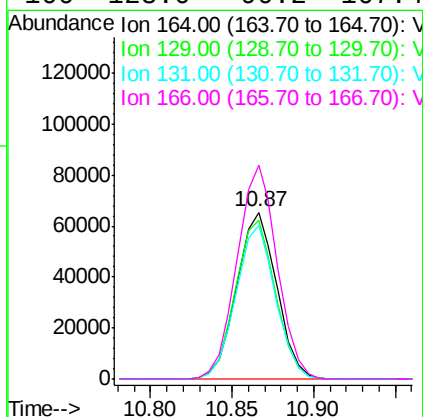
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

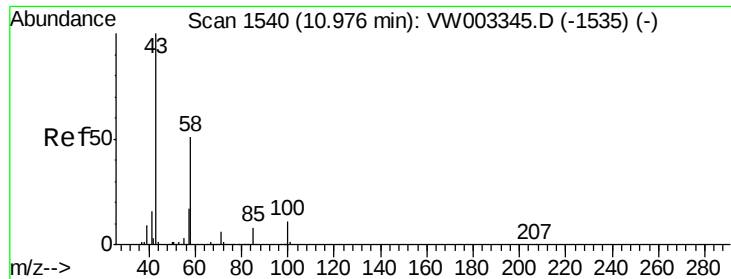
Tgt Ion: 97 Resp: 102891
 Ion Ratio Lower Upper
 97 100
 83 86.5 58.8 109.2
 85 56.4 38.8 72.0
 99 63.7 43.8 81.3



#47
 Tetrachloroethene
 Concen: 24.463 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

Tgt Ion: 164 Resp: 111597
 Ion Ratio Lower Upper
 164 100
 129 94.7 67.3 124.9
 131 91.8 63.8 118.4
 166 128.0 90.2 167.4





#49

2-Hexanone

Concen: 60.151 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

Tgt Ion: 43 Resp: 169737

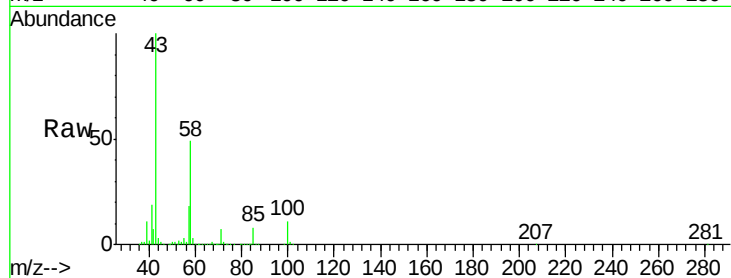
Ion Ratio Lower Upper

43 100

58 48.8 40.4 60.6

57 17.6 14.6 21.8

100 10.3 8.6 12.8

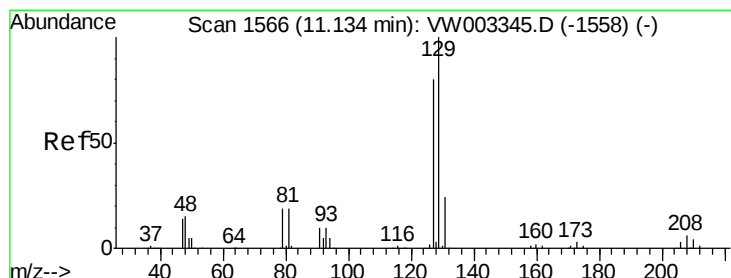
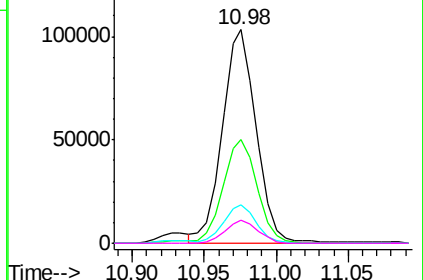
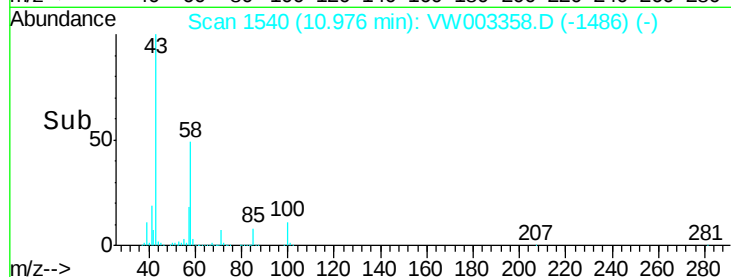


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.705 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW003358.D

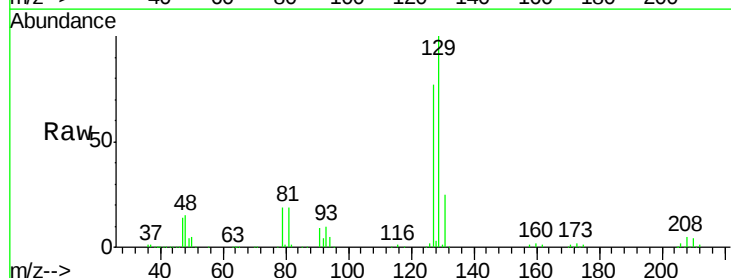
Acq: 20 Jun 2018 17:41

Tgt Ion: 129 Resp: 123822

Ion Ratio Lower Upper

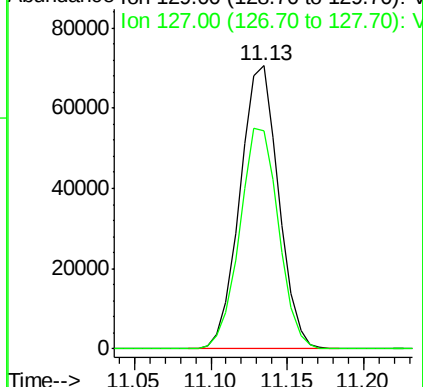
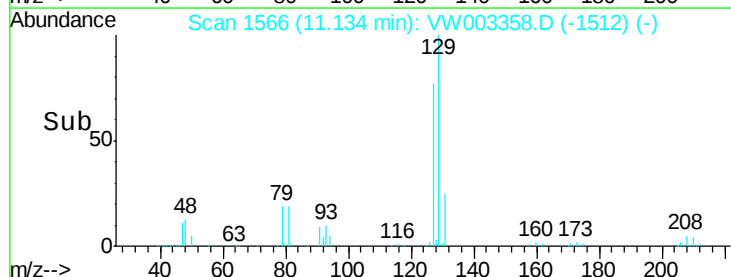
129 100

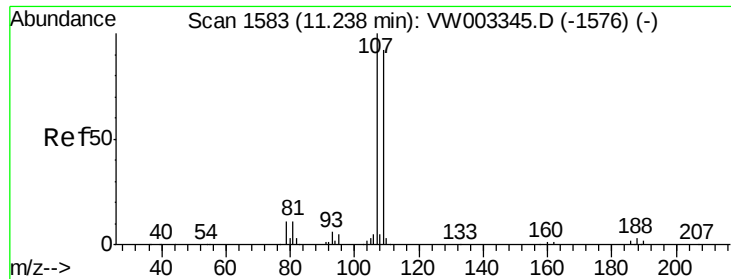
127 77.0 56.0 104.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

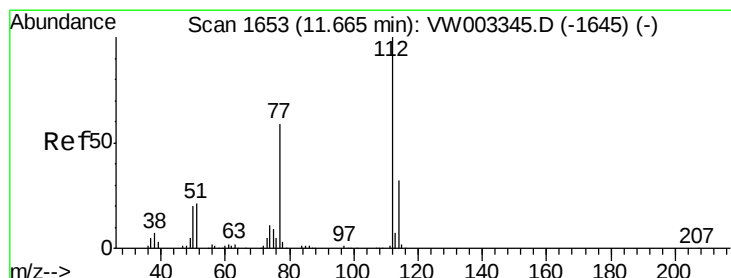
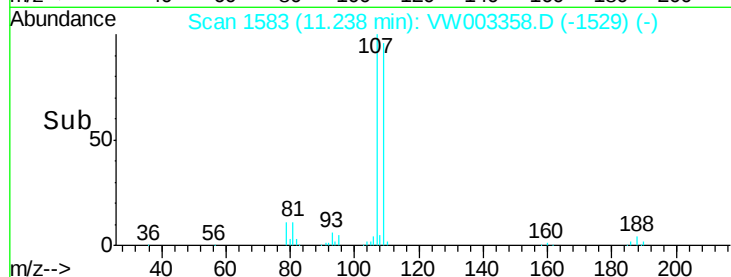
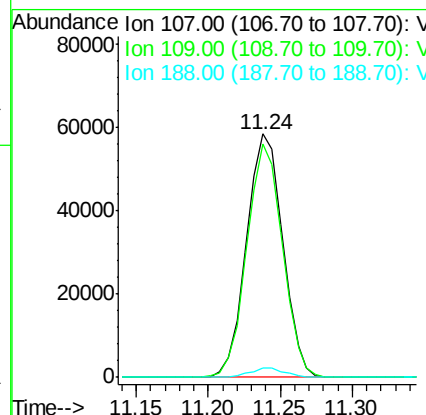
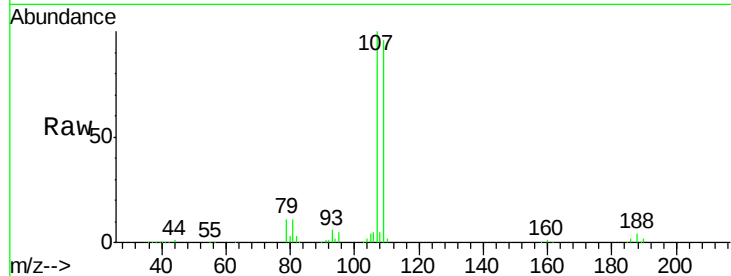




#51
1,2-Dibromoethane
Concen: 25.830 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

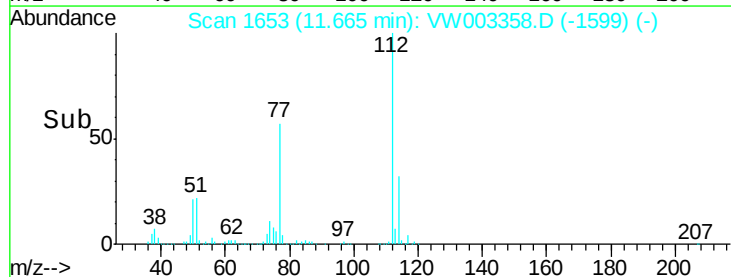
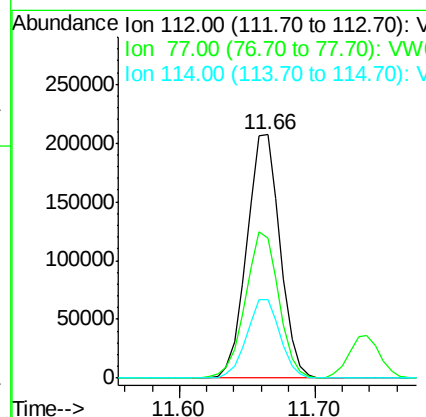
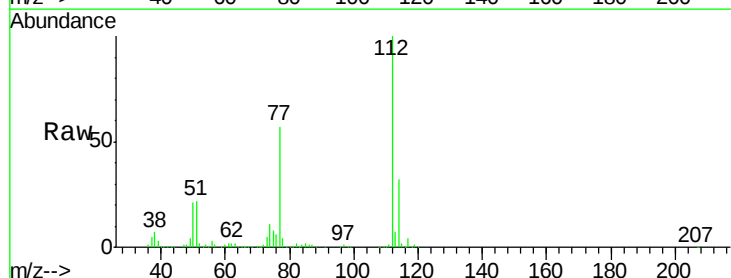
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

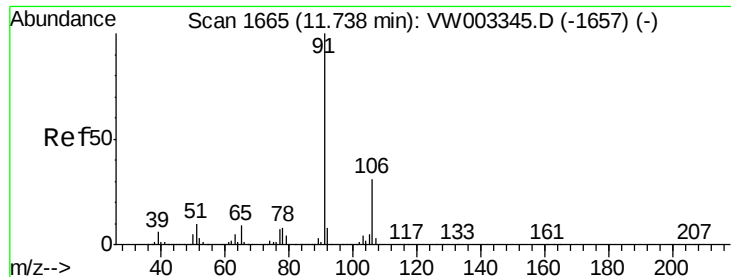
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.6	64.5	119.9
188	3.9	2.8	4.2



#52
Chlorobenzene
Concen: 25.010 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.4	47.3	70.9
114	32.0	22.2	41.2

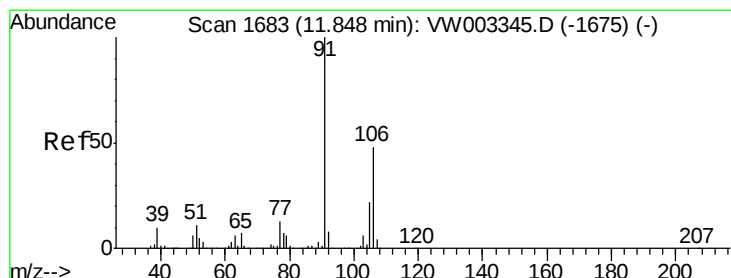
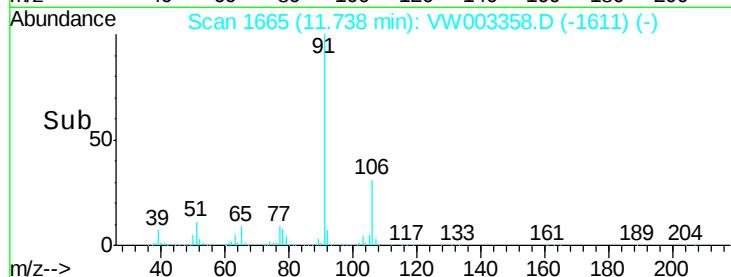
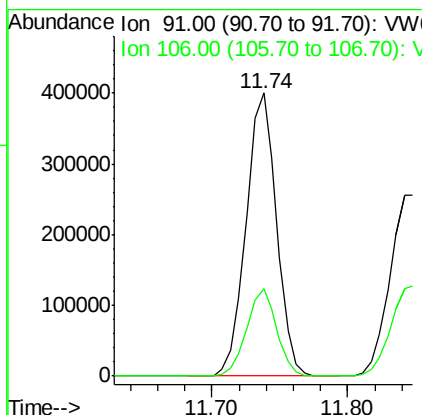
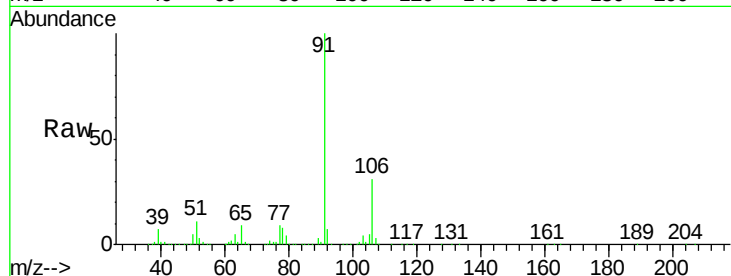




#53
Ethylbenzene
Concen: 25.610 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

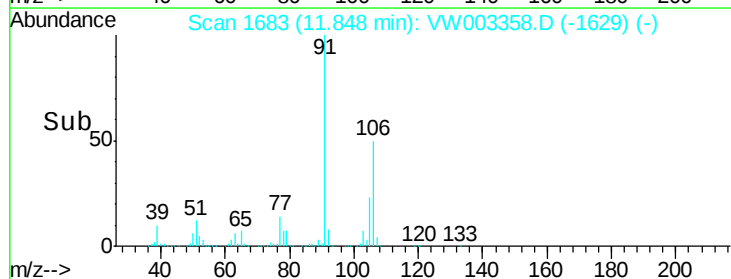
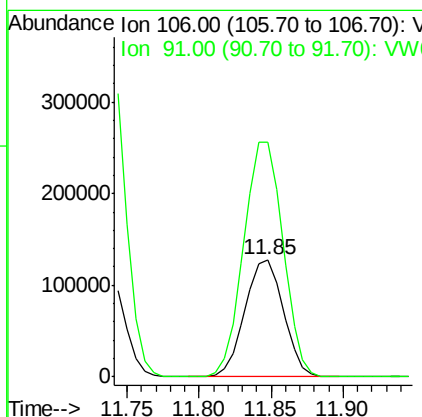
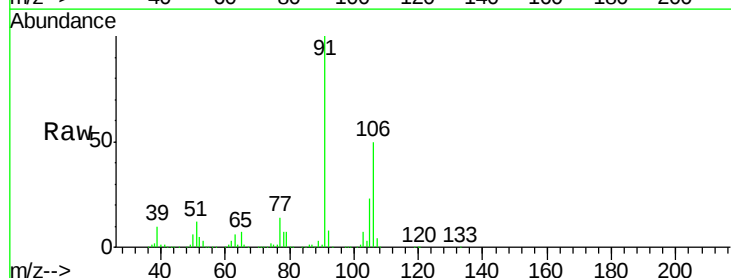
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

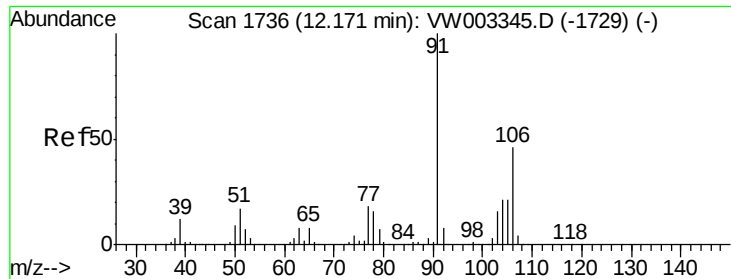
Tgt Ion: 91 Resp: 627488
Ion Ratio Lower Upper
91 100
106 30.8 21.8 40.4



#54
m,p-Xylene
Concen: 26.024 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003358.D
Acq: 20 Jun 2018 17:41

Tgt Ion: 106 Resp: 236815
Ion Ratio Lower Upper
106 100
91 199.8 146.4 271.8





#55

o-xylene

Concen: 25.693 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

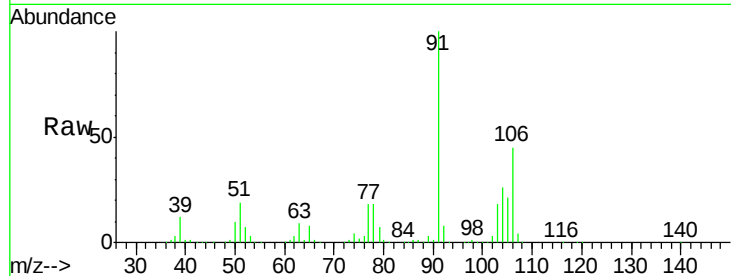
VSTD02588

Tgt Ion:106 Resp: 222401

Ion Ratio Lower Upper

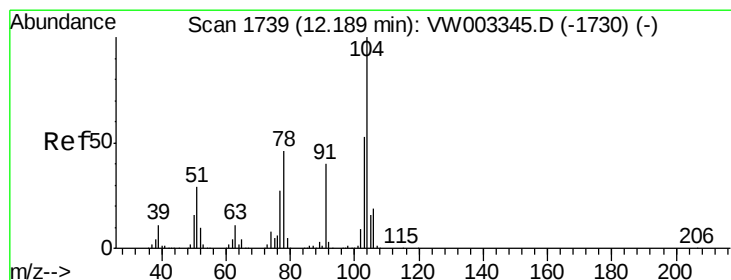
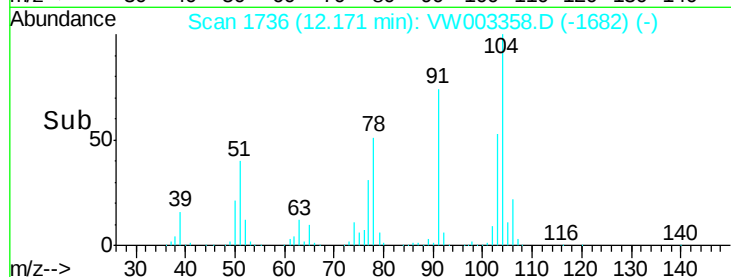
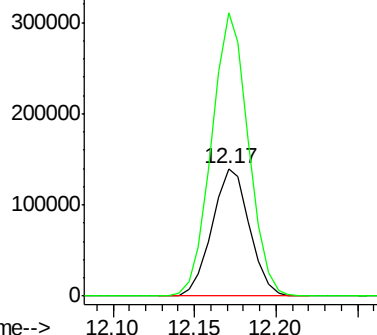
106 100

91 222.5 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.257 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW003358.D

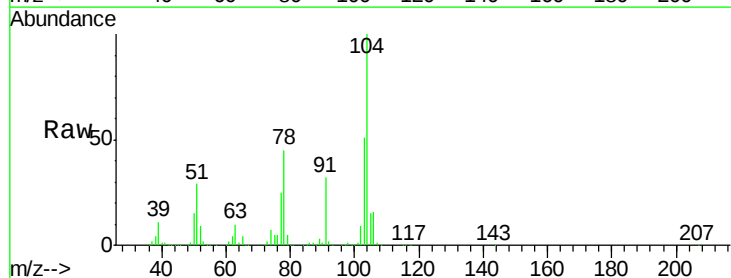
Acq: 20 Jun 2018 17:41

Tgt Ion:104 Resp: 392400

Ion Ratio Lower Upper

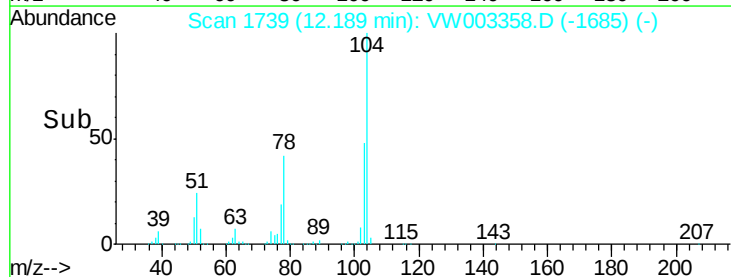
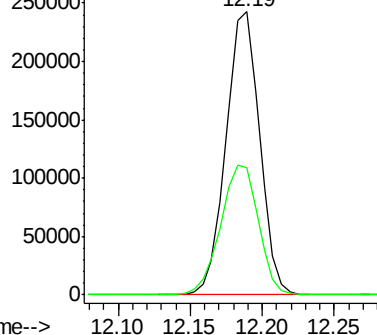
104 100

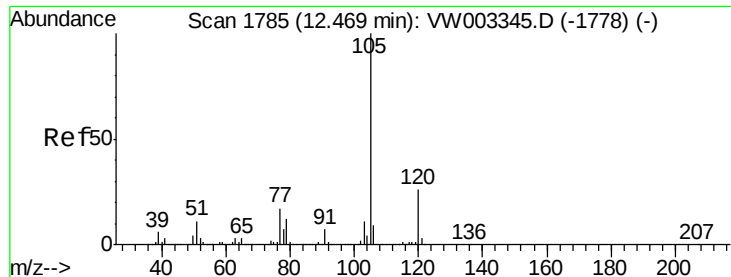
78 44.8 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.863 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

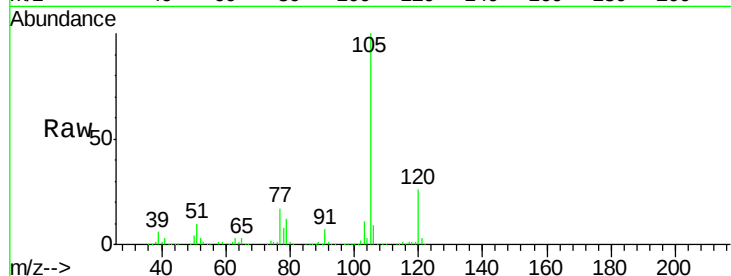
Tgt Ion: 105 Resp: 621134

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

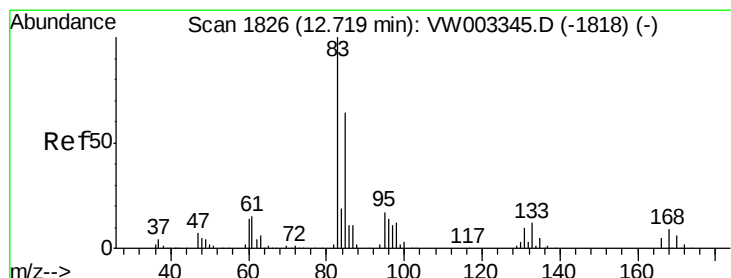
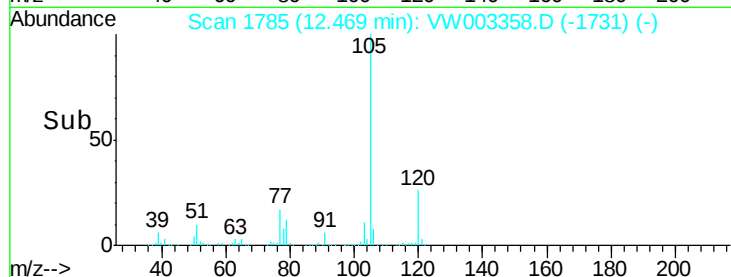
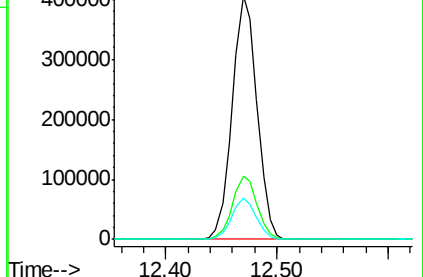
77 16.6 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.058 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

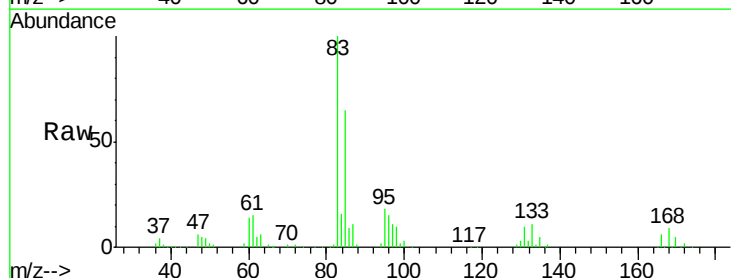
Tgt Ion: 83 Resp: 141147

Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.9

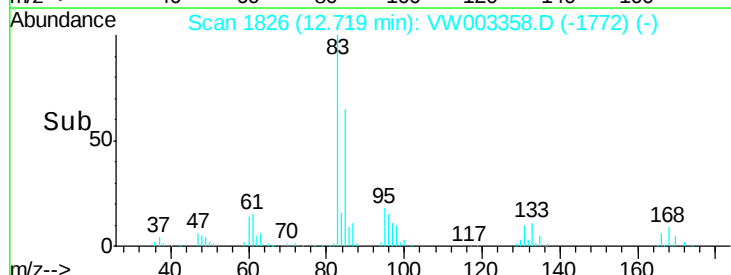
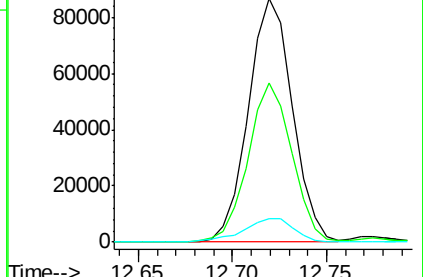
131 9.7 8.2 12.2

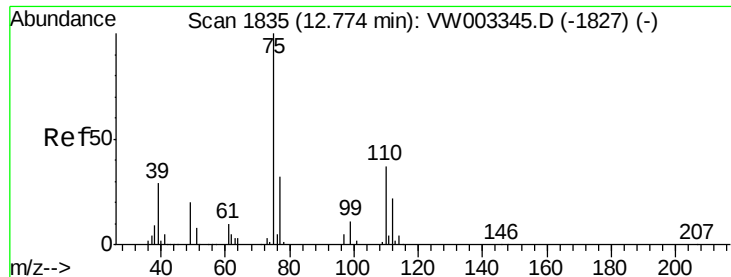


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.477 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

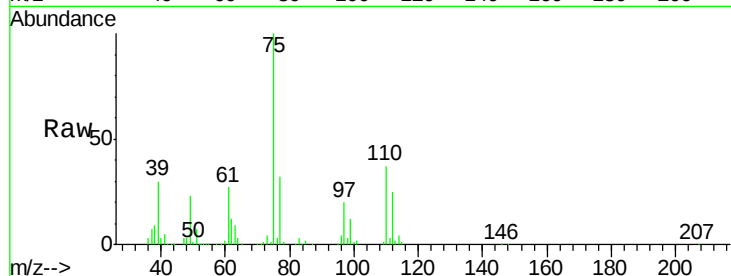
VSTD02588

Tgt Ion: 75 Resp: 105847

Ion Ratio Lower Upper

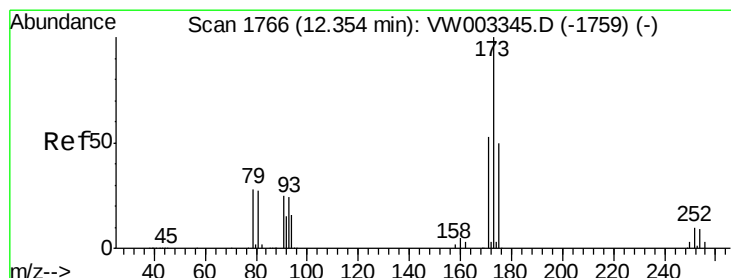
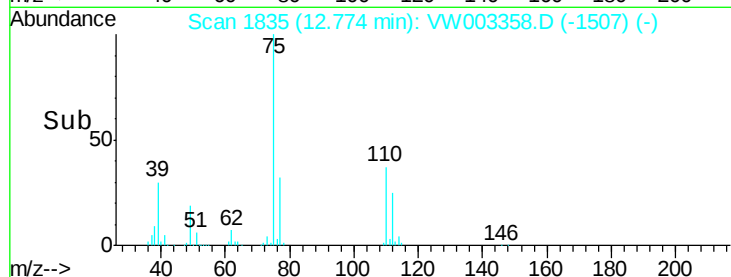
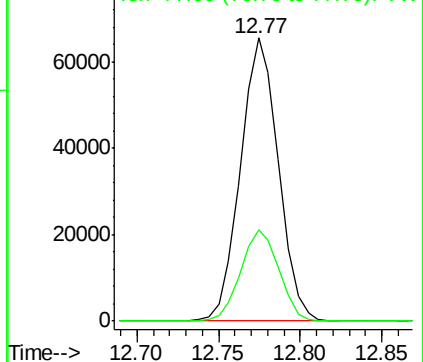
75 100

77 32.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 26.273 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

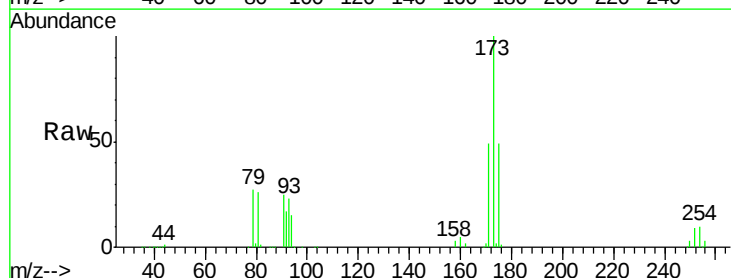
Tgt Ion: 173 Resp: 80255

Ion Ratio Lower Upper

173 100

175 48.2 39.9 59.9

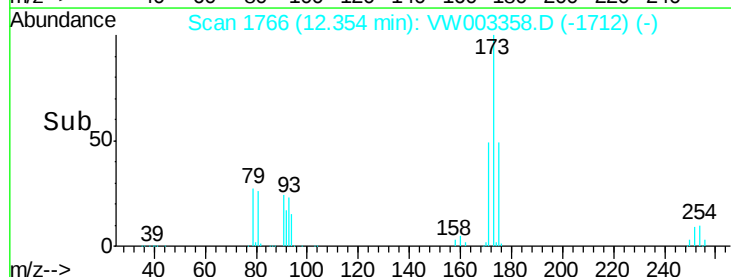
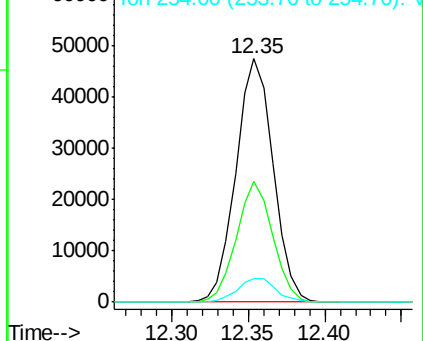
254 9.9 7.7 11.5

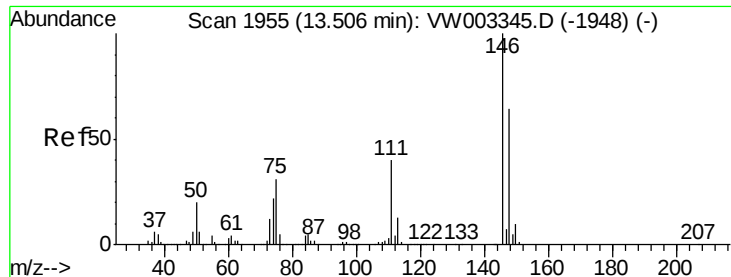


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

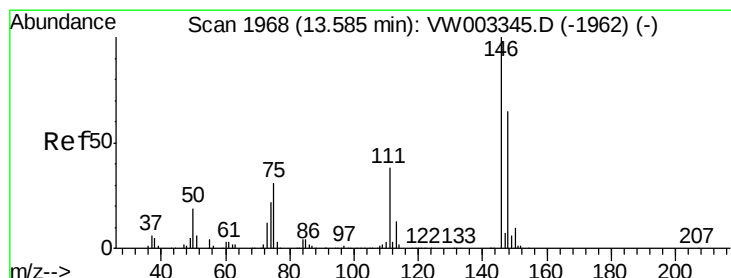
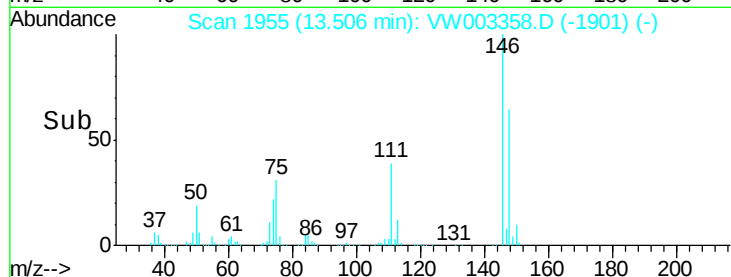
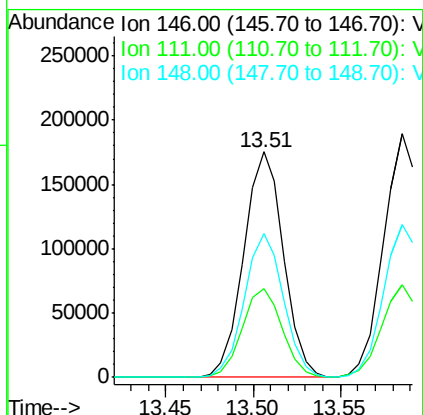
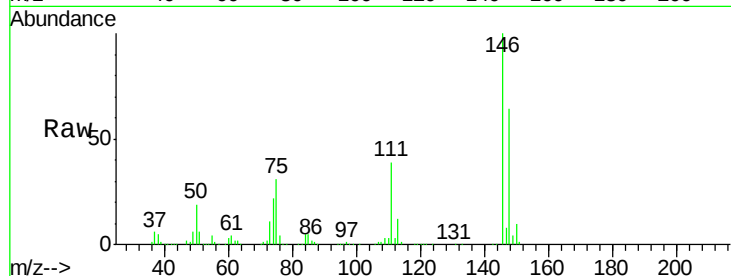




#63
 1,3-Dichlorobenzene
 Concen: 24.824 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

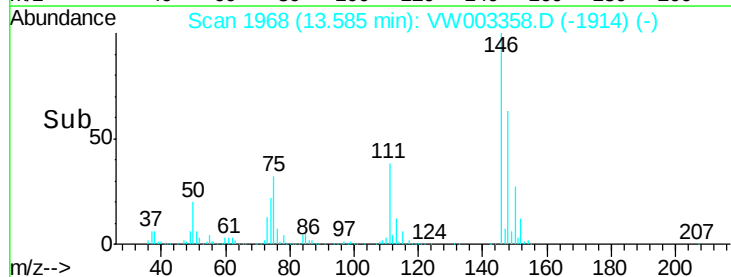
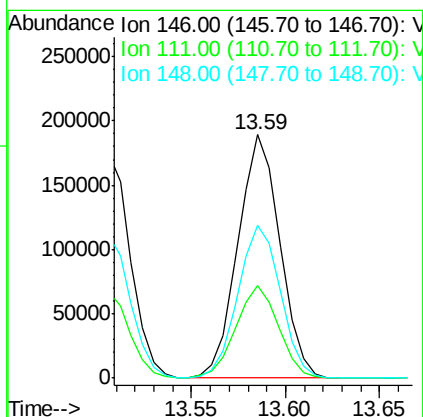
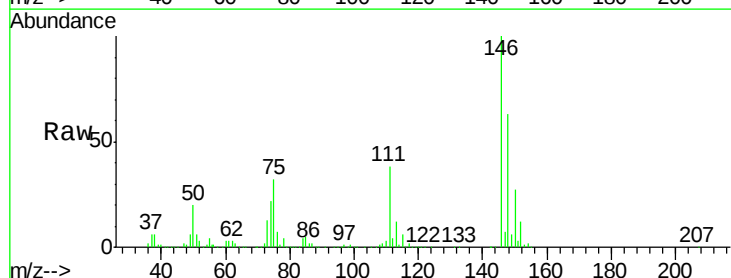
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

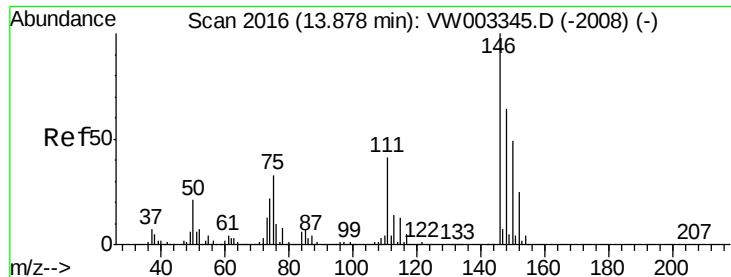
Tgt Ion:146 Resp: 277034
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.9 51.7
 148 63.8 44.9 83.3



#64
 1,4-Dichlorobenzene
 Concen: 25.003 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

Tgt Ion:146 Resp: 292537
 Ion Ratio Lower Upper
 146 100
 111 37.9 26.8 49.8
 148 62.8 45.4 84.2

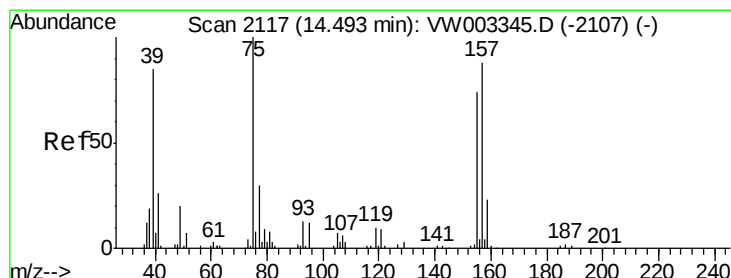
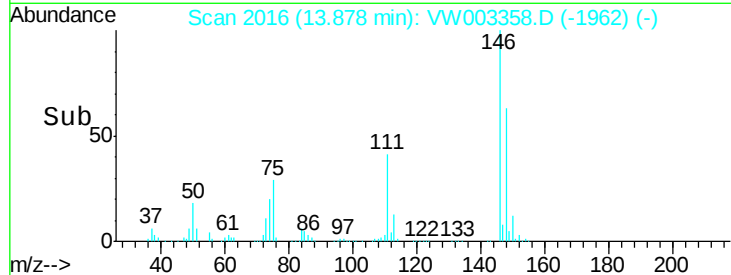
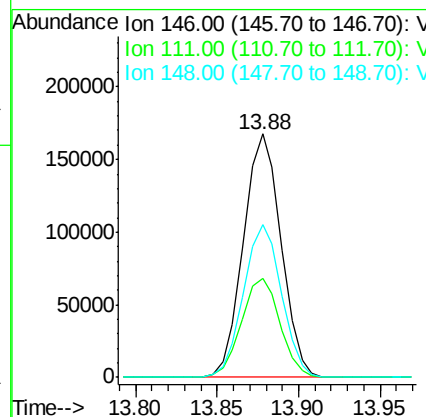
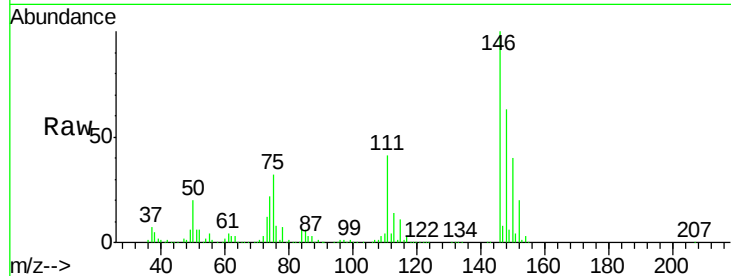




#65
 1,2-Dichlorobenzene
 Concen: 25.413 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

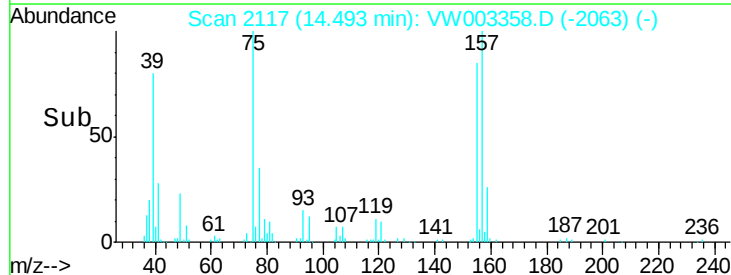
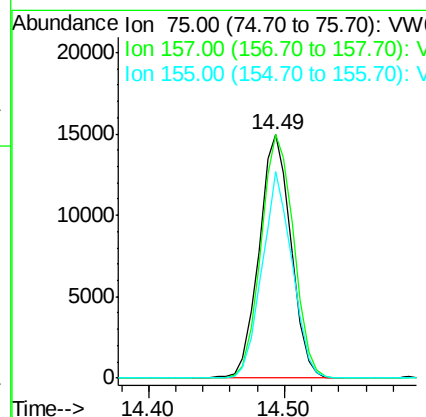
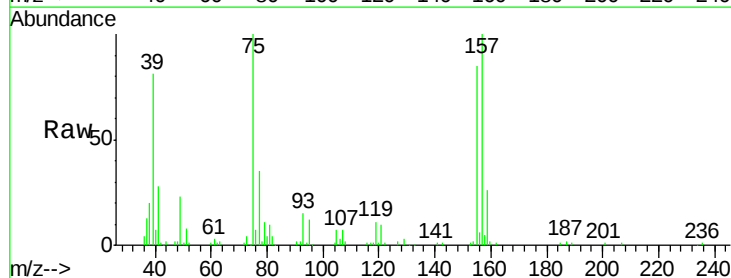
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

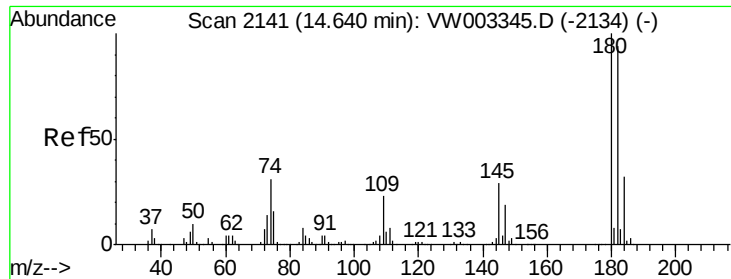
Tgt Ion: 146 Resp: 270772
 Ion Ratio Lower Upper
 146 100
 111 40.9 33.1 49.7
 148 62.9 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.140 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

Tgt Ion: 75 Resp: 24442
 Ion Ratio Lower Upper
 75 100
 157 99.8 70.7 106.1
 155 84.8 59.0 88.6

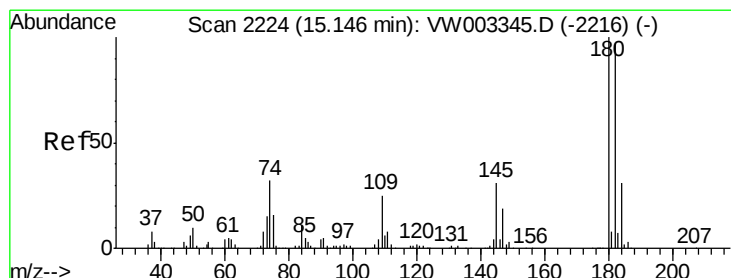
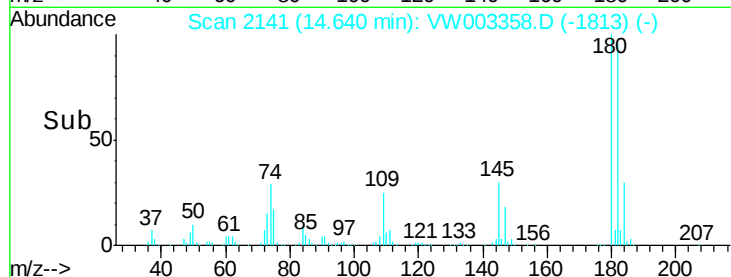
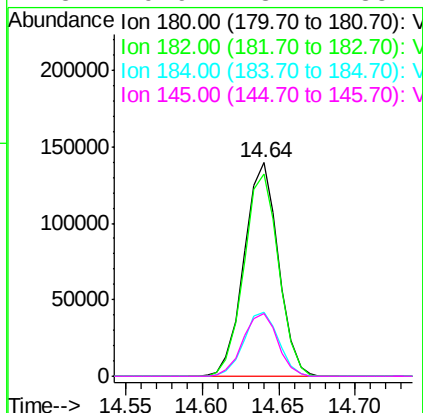
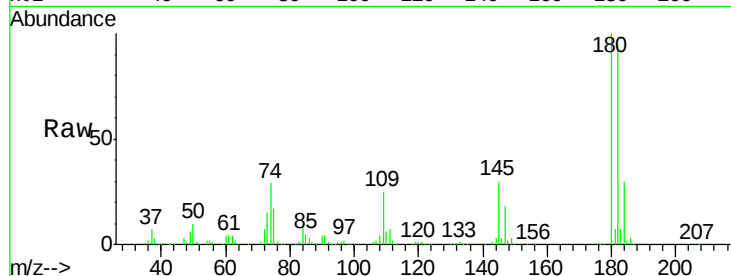




#67
 1,3,5-Trichlorobenzene
 Concen: 25.064 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

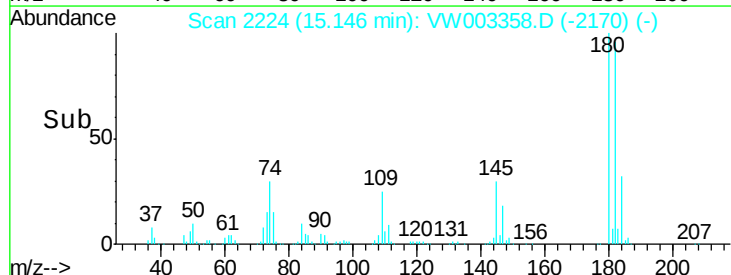
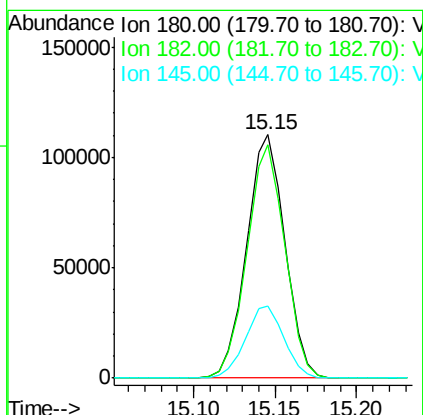
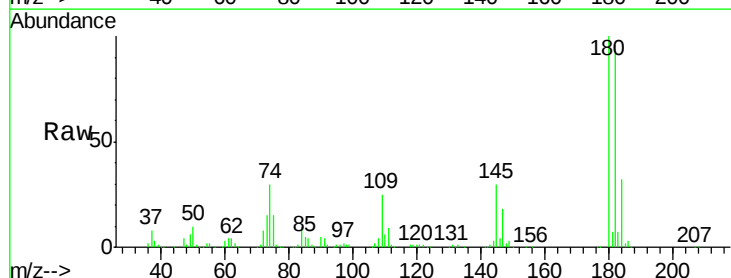
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

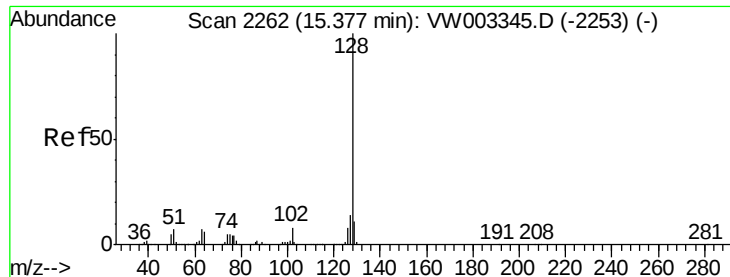
Tgt Ion:	180	Resp:	217347
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.9	113.9
184	30.4	24.5	36.7
145	29.9	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 25.508 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003358.D
 Acq: 20 Jun 2018 17:41

Tgt Ion:	180	Resp:	180076
Ion	Ratio	Lower	Upper
180	100		
182	95.1	74.8	112.2
145	29.9	23.6	35.4





#69

Naphthalene

Concen: 27.594 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

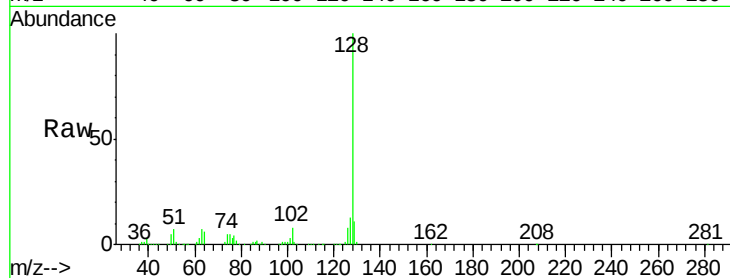
Tgt Ion:128 Resp: 364493

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

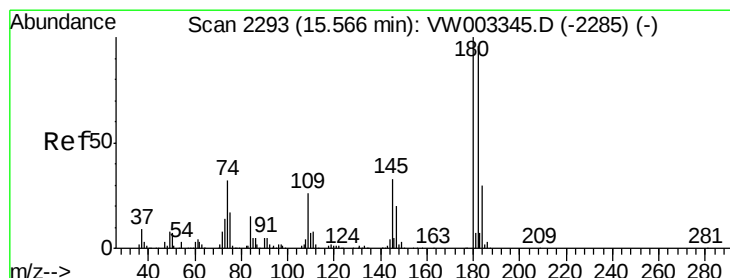
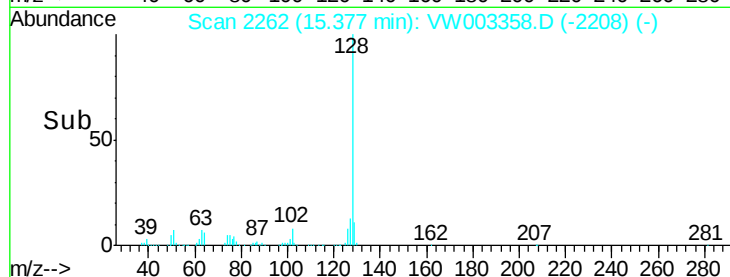
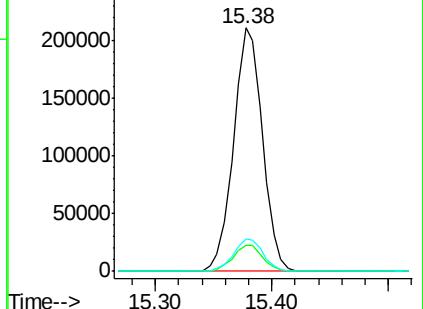
127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.663 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003358.D

Acq: 20 Jun 2018 17:41

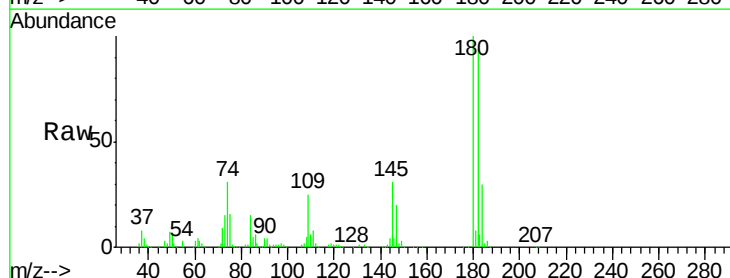
Tgt Ion:180 Resp: 172514

Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.0

145 31.4 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

