

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062518\
 Data File : VW003566.D
 Acq On : 26 Jun 2018 01:38
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

Quant Time: Jun 26 04:22:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 26 03:05:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	277185	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	256706	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	132070	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	78783	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.84%
7) Chloroethane-d5	2.89	69	68707	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.64%
10) 1,1-Dichloroethene-d2	4.01	63	174209	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.36%
20) 2-Butanone-d5	7.09	46	81519	68.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.64%#
24) Chloroform-d	7.65	84	182495	25.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.12%
26) 1,2-Dichloroethane-d4	8.31	65	110434	25.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.96%
29) Benzene-d6	8.27	84	336376	24.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.80%
33) 1,2-Dichloropropane-d6	9.28	67	109292	25.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.40%
37) Toluene-d8	10.33	98	319360	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.08%
38) trans-1,3-Dichloropropene-	10.58	79	48173	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.20%
39) 2-Hexanone-d5	10.93	63	62250	70.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	141.28%#
48) 1,1,2,2-Tetrachloroethane-	12.70	84	122316	30.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.96%#
61) 1,2-Dichlorobenzene-d4	13.86	152	123308	24.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	45558	29.924	ug/L 86
3) Chloromethane	2.21	50	79270	24.237	ug/L 99
5) Vinyl chloride	2.36	62	121625	25.695	ug/L 97
6) Bromomethane	2.78	94	66323	24.082	ug/L 99
8) Chloroethane	2.93	64	70374	24.400	ug/L 95
9) Trichlorofluoromethane	3.25	101	70358	25.915	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	99180	27.056	ug/L 99
12) 1,1-Dichloroethene	4.03	96	89644	25.872	ug/L 94
13) Acetone	4.14	43	64811	51.329	ug/L 98
14) Carbon disulfide	4.37	76	274132	24.523	ug/L 100
15) Methyl Acetate	4.68	43	63928	30.890	ug/L 99
16) Methylene chloride	4.91	84	98133	25.694	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	176245	27.569	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	93086	25.784	ug/L 93
19) 1,1-Dichloroethane	6.21	63	181166	26.890	ug/L 99
21) 2-Butanone	7.18	43	85794	57.822	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	101452	26.442	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062518\
 Data File : VW003566.D
 Acq On : 26 Jun 2018 01:38
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

Quant Time: Jun 26 04:22:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 26 03:05:07 2018
 Response via : Initial Calibration

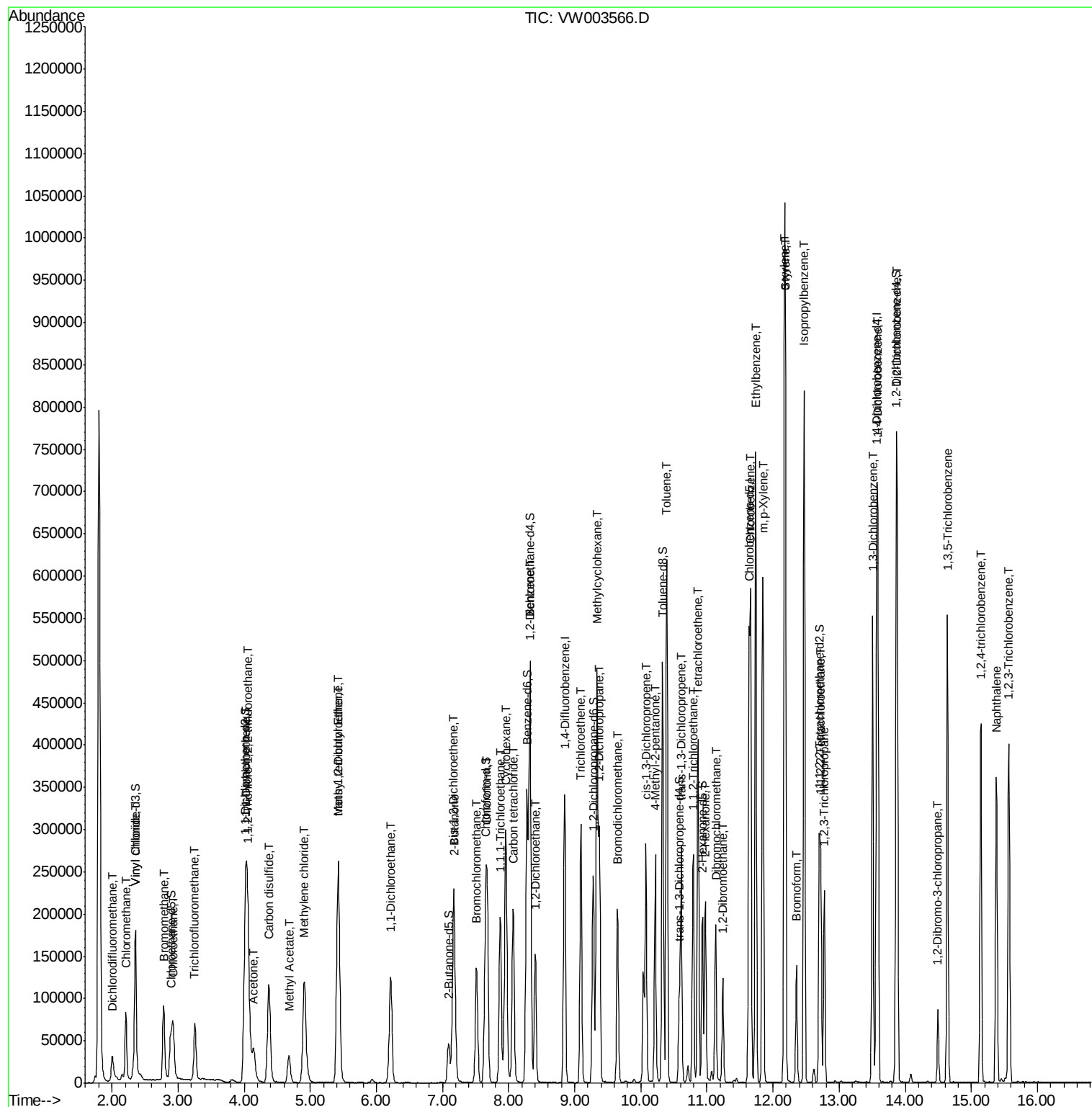
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	46447	26.169	ug/L	98
25) Chloroform	7.68	83	185395	26.766	ug/L	100
27) 1,2-Dichloroethane	8.40	62	138362	27.585	ug/L	100
30) Cyclohexane	7.95	56	163692	27.619	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	152522	27.044	ug/L	99
32) Carbon tetrachloride	8.07	117	147695	27.107	ug/L	100
34) Benzene	8.32	78	400952	27.390	ug/L	100
35) Trichloroethene	9.09	95	104196	26.409	ug/L	99
36) Methylcyclohexane	9.34	83	187520	27.840	ug/L	99
40) 1,2-Dichloropropane	9.37	63	104805	27.206	ug/L	100
41) Bromodichloromethane	9.65	83	134321	27.128	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	154523	26.878	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	179089	65.074	ug/L	99
44) Toluene	10.39	91	437614	27.565	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	142461	27.384	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	81197	28.234	ug/L	99
47) Tetrachloroethene	10.87	164	86697	26.149	ug/L	99
49) 2-Hexanone	10.98	43	134440	65.553	ug/L	99
50) Dibromochloromethane	11.13	129	94824	27.085	ug/L	95
51) 1,2-Dibromoethane	11.24	107	80235	28.076	ug/L	100
52) Chlorobenzene	11.66	112	276721	26.842	ug/L	99
53) Ethylbenzene	11.74	91	495707	27.838	ug/L	99
54) m,p-Xylene	11.85	106	186501	28.200	ug/L	94
55) o-xylene	12.17	106	175571	27.908	ug/L	97
56) Styrene	12.19	104	304545	28.040	ug/L	99
57) Isopropylbenzene	12.47	105	495535	28.390	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	113633	29.973	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	88957	30.617	ug/L	100
62) Bromoform	12.35	173	60660	27.291	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	211369	26.029	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	220762	25.930	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	207001	26.700	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	20494	30.121	ug/L	89
67) 1,3,5-Trichlorobenzene	14.64	180	161638	25.616	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	133307	25.951	ug/L	98
69) Naphthalene	15.38	128	294865	30.678	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	132577	28.160	ug/L	100

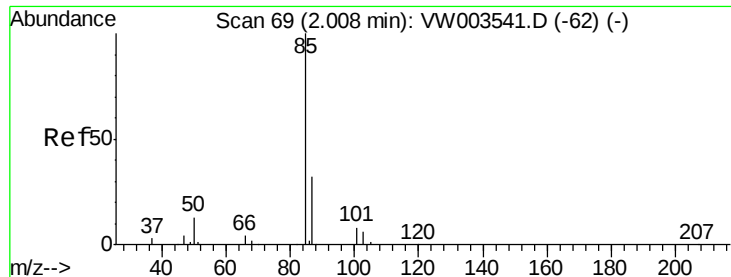
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062518\
Data File : VW003566.D
Acq On : 26 Jun 2018 01:38
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

Quant Time: Jun 26 04:22:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 26 03:05:07 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 29.924 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.01 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

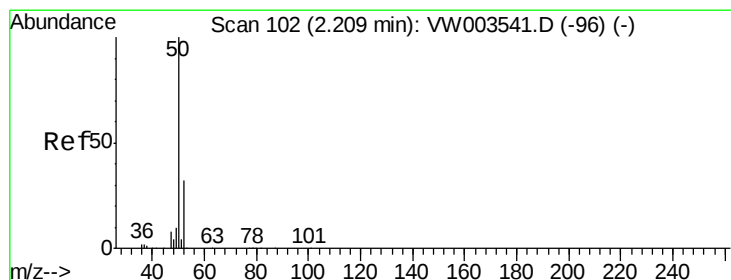
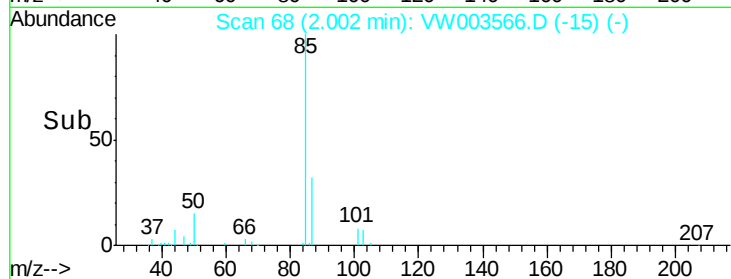
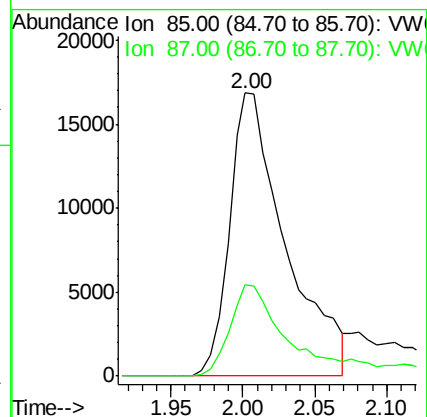
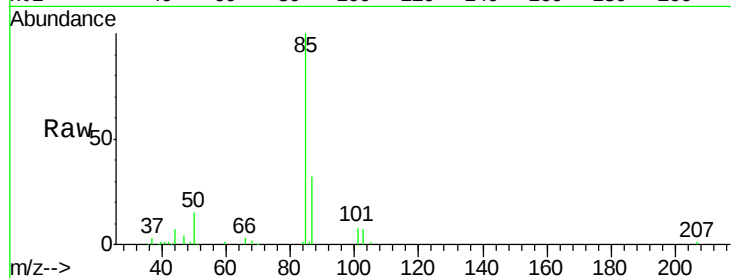
VSTD02581

Tgt Ion: 85 Resp: 45558

Ion Ratio Lower Upper

85 100

87 31.4 17.1 31.7



#3

Chloromethane

Concen: 24.237 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003566.D

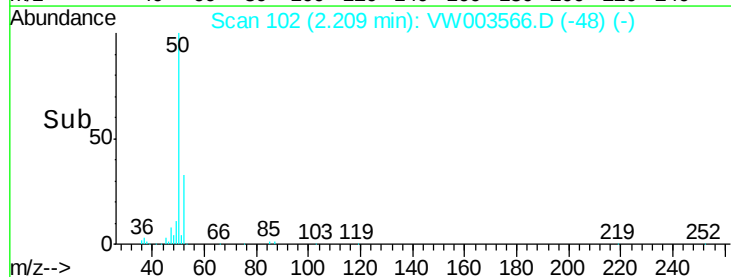
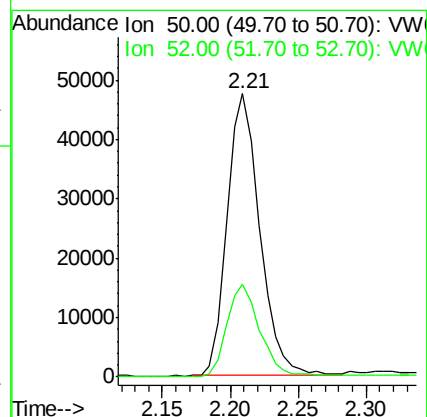
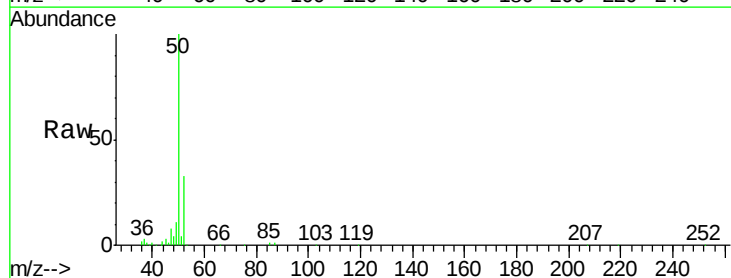
Acq: 26 Jun 2018 01:38

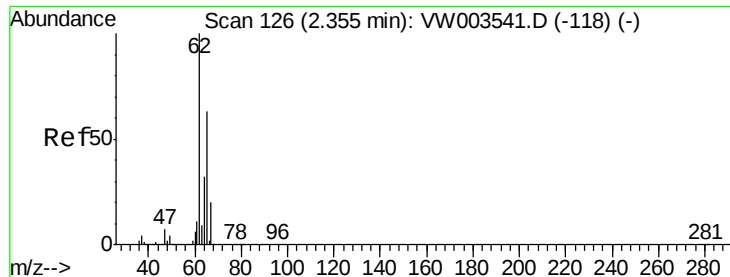
Tgt Ion: 50 Resp: 79270

Ion Ratio Lower Upper

50 100

52 32.6 23.3 43.3





#5

Vinyl chloride

Concen: 25.695 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

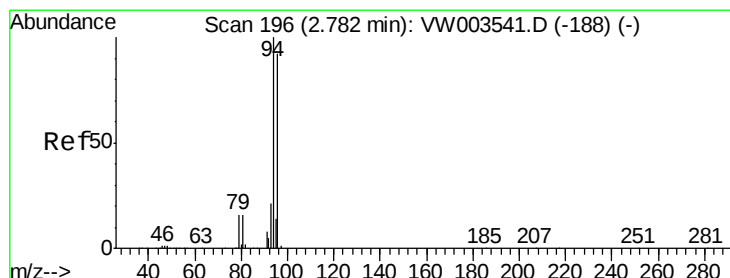
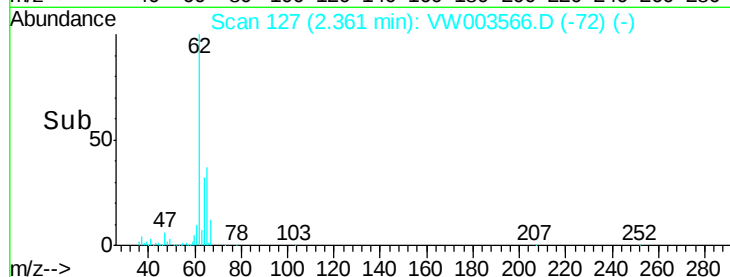
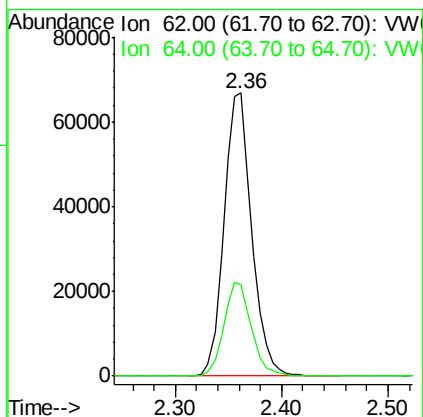
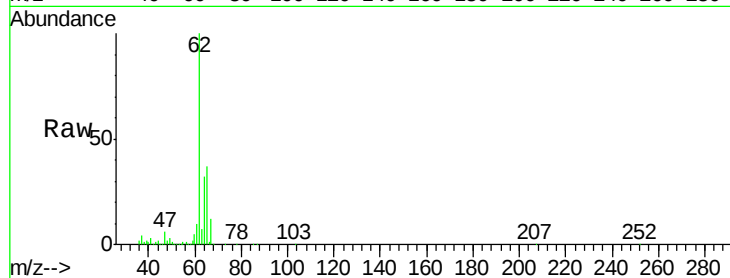
VSTD02581

Tgt Ion: 62 Resp: 121625

Ion Ratio Lower Upper

62 100

64 32.2 23.5 43.7



#6

Bromomethane

Concen: 24.082 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003566.D

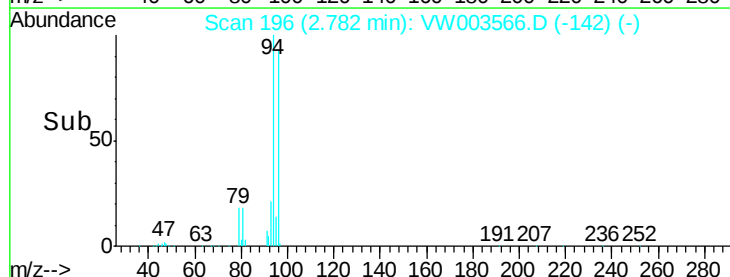
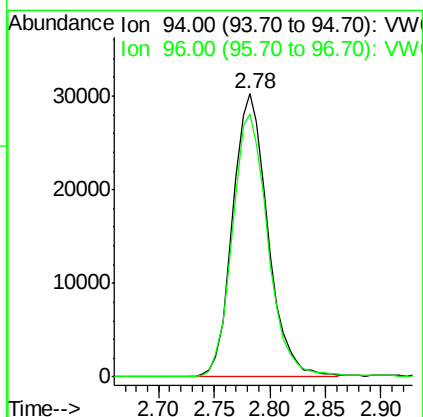
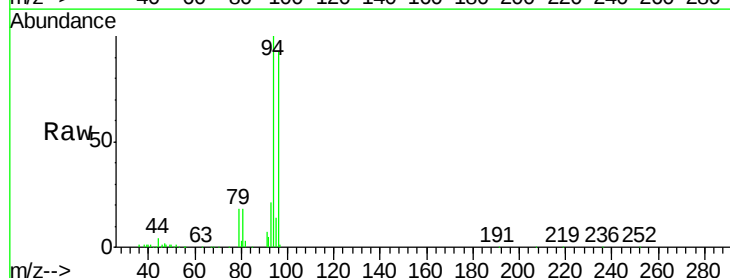
Acq: 26 Jun 2018 01:38

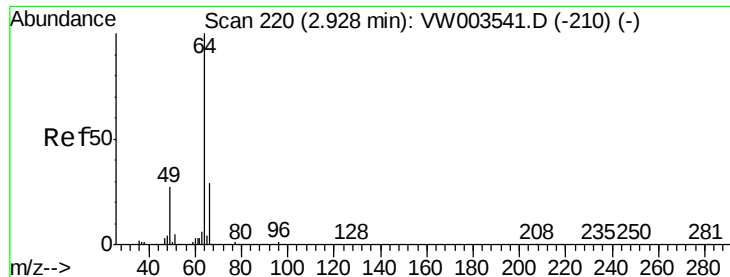
Tgt Ion: 94 Resp: 66323

Ion Ratio Lower Upper

94 100

96 93.8 9.5 180.3





#8

Chloroethane

Concen: 24.400 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

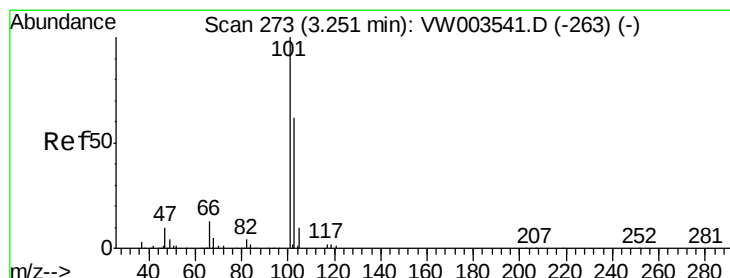
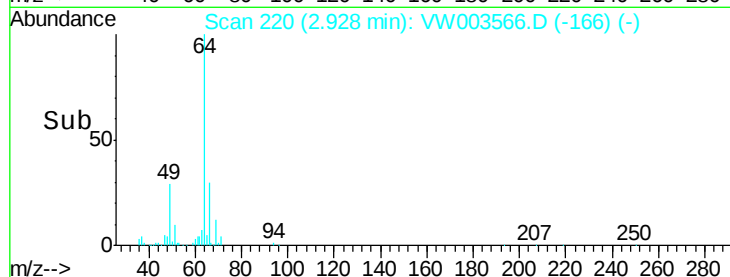
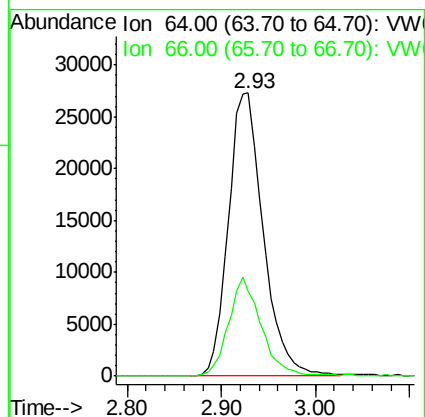
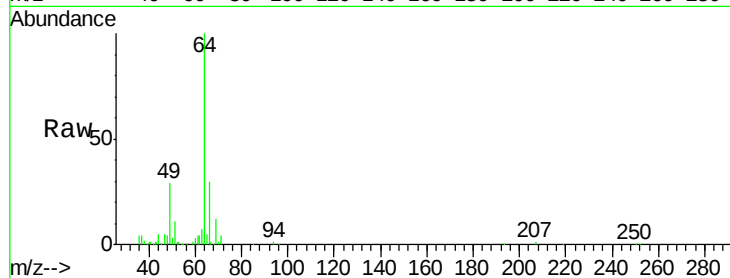
VSTD02581

Tgt Ion: 64 Resp: 70374

Ion Ratio Lower Upper

64 100

66 30.1 22.9 42.5



#9

Trichlorofluoromethane

Concen: 25.915 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW003566.D

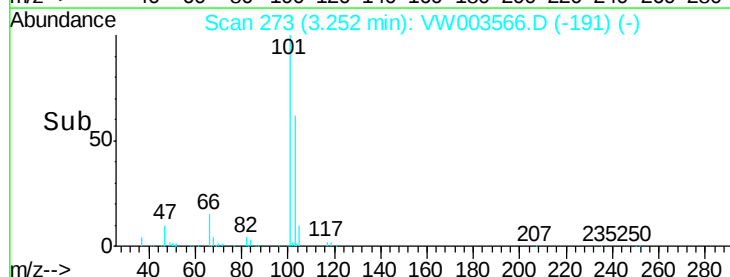
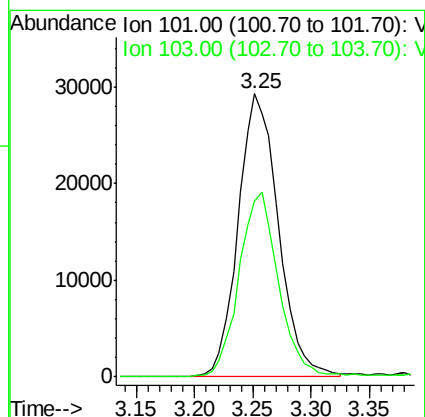
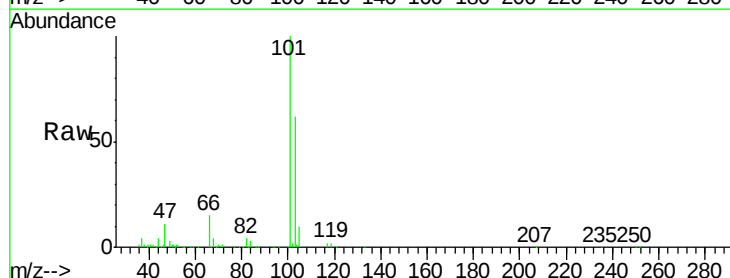
Acq: 26 Jun 2018 01:38

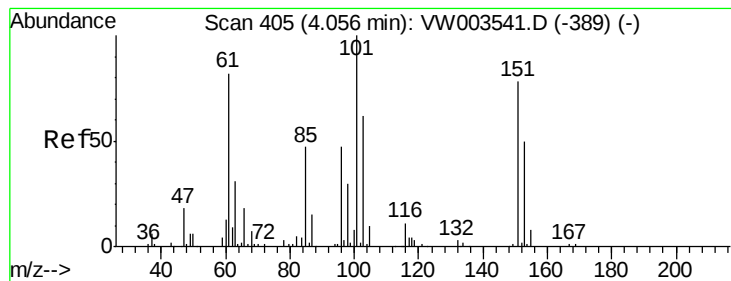
Tgt Ion: 101 Resp: 70358

Ion Ratio Lower Upper

101 100

103 63.9 45.1 83.7





#11

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

Concen: 27.056 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

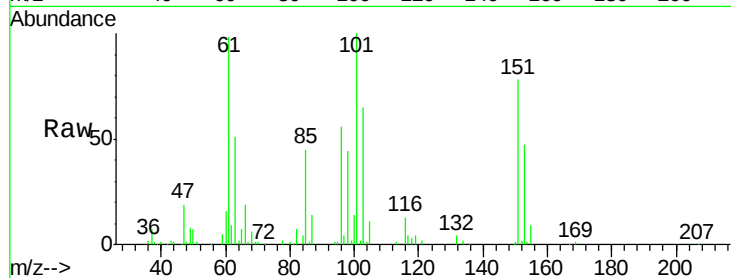
Tgt Ion:101 Resp: 99180

Ion Ratio Lower Upper

101 100

85 44.3 35.4 53.0

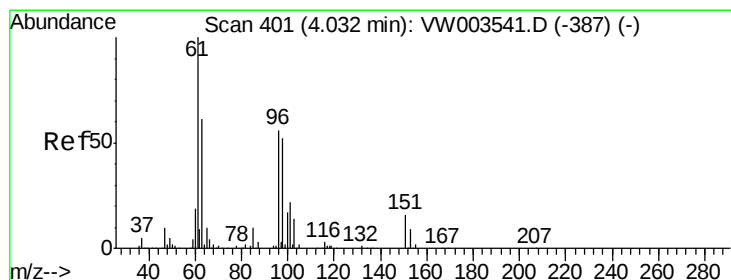
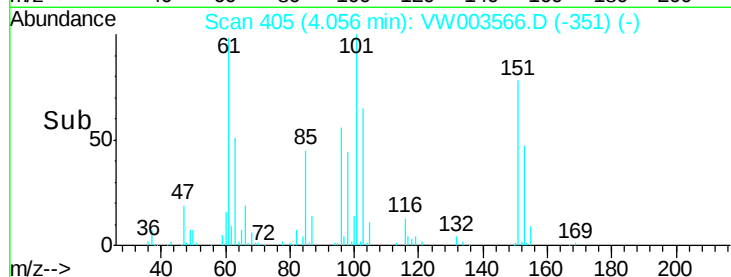
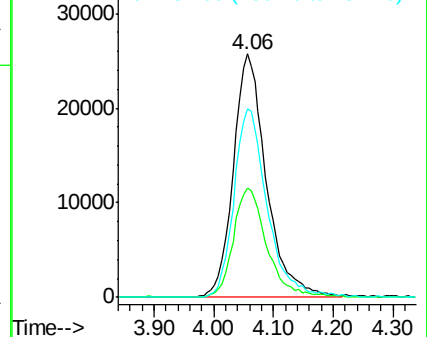
151 78.0 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.872 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

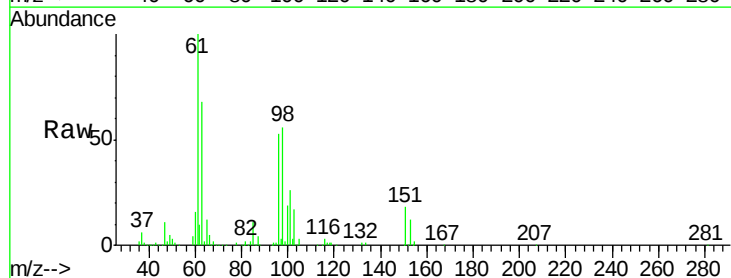
Tgt Ion: 96 Resp: 89644

Ion Ratio Lower Upper

96 100

61 187.4 124.1 230.5

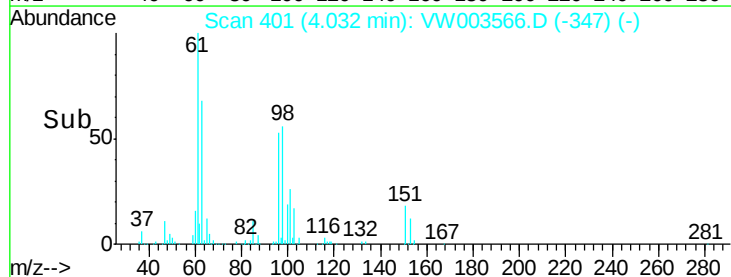
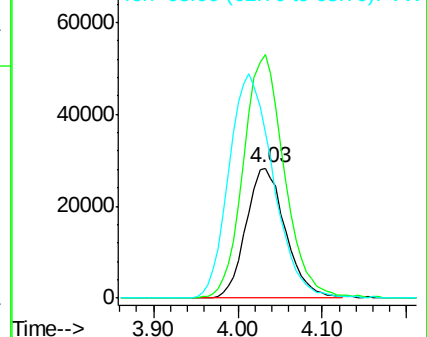
63 127.2 93.1 172.9

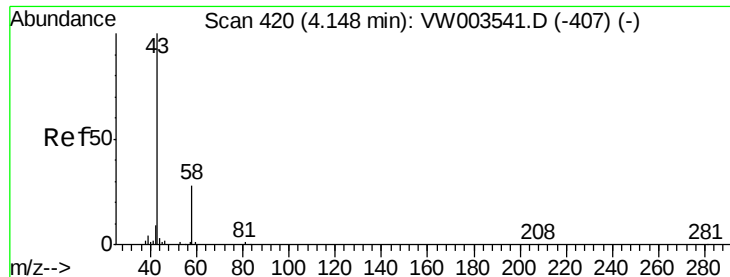


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 51.329 ug/L

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

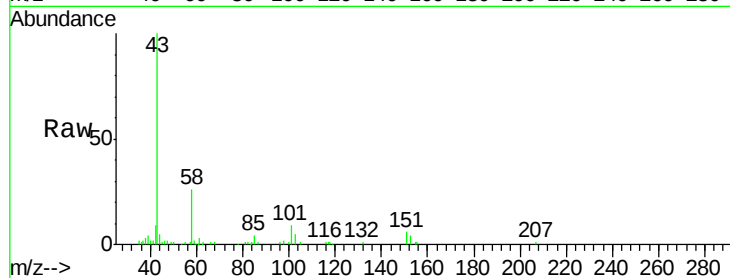
VSTD02581

Tgt Ion: 43 Resp: 64811

Ion Ratio Lower Upper

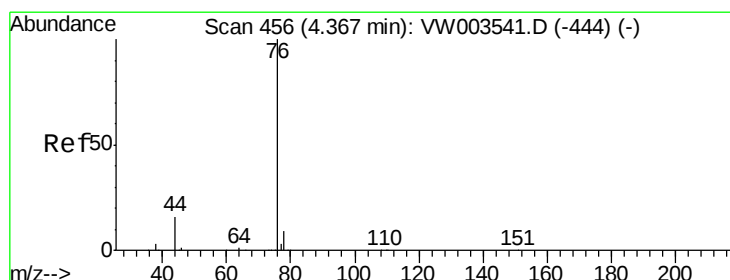
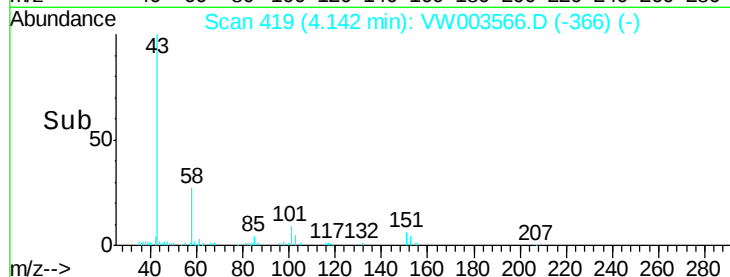
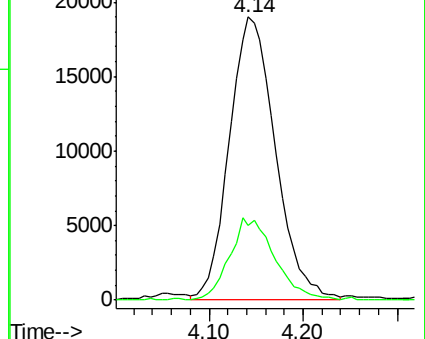
43 100

58 28.4 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: 24.523 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003566.D

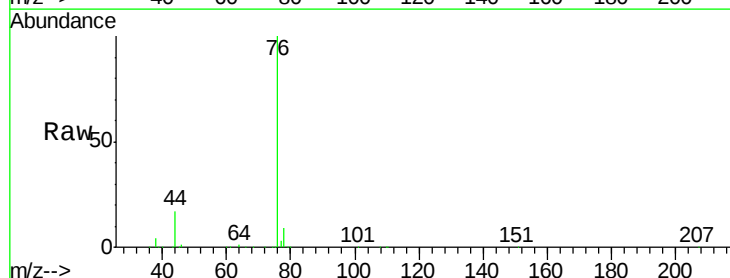
Acq: 26 Jun 2018 01:38

Tgt Ion: 76 Resp: 274132

Ion Ratio Lower Upper

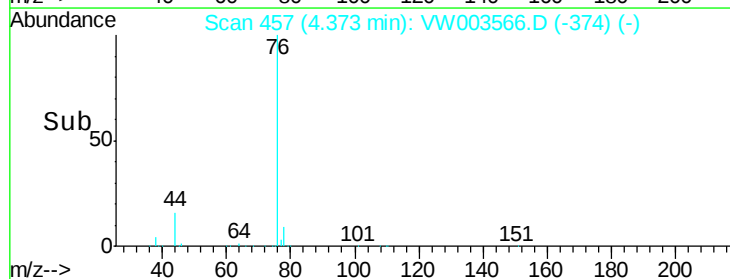
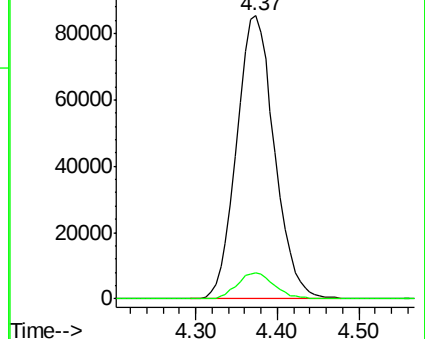
76 100

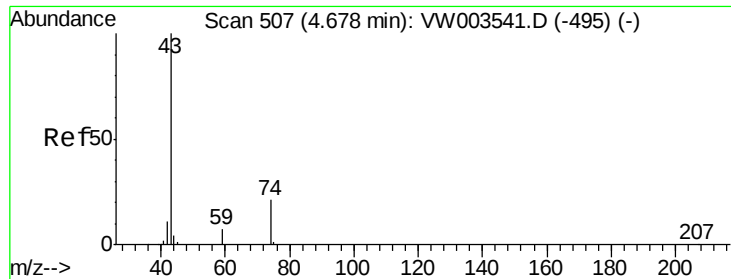
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

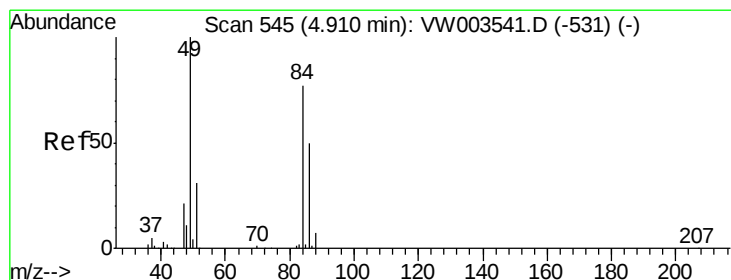
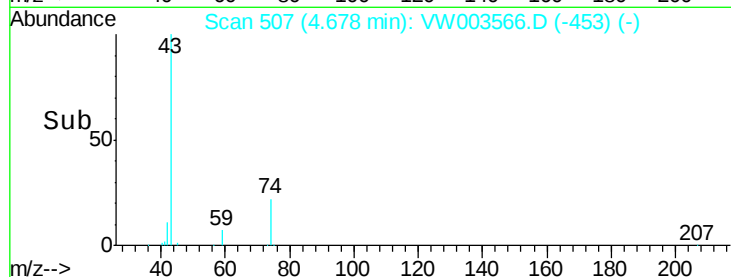
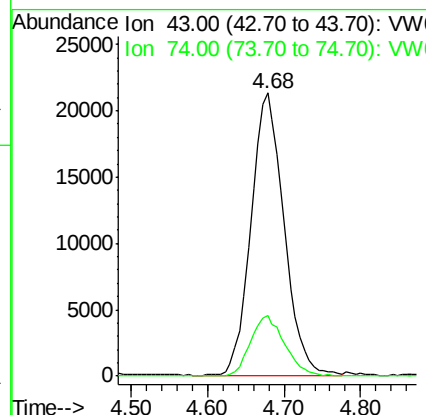
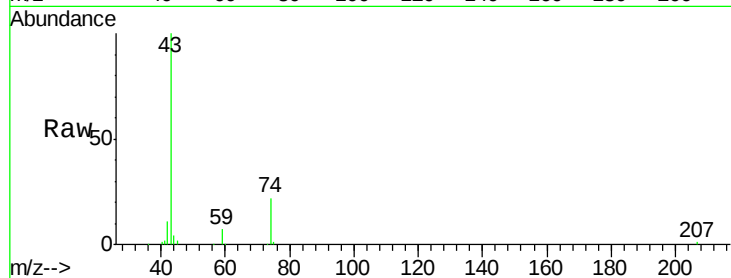




#15
Methyl Acetate
Concen: 30.890 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.00 min
Lab File: VW003566.D
Acq: 26 Jun 2018 01:38

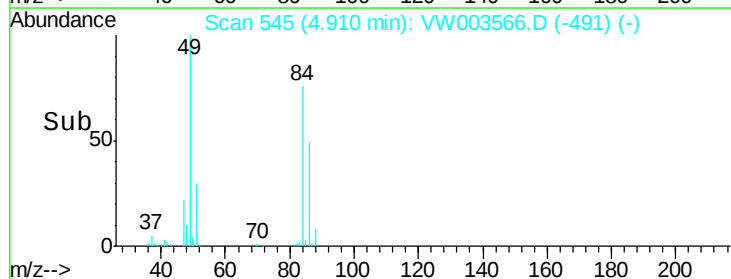
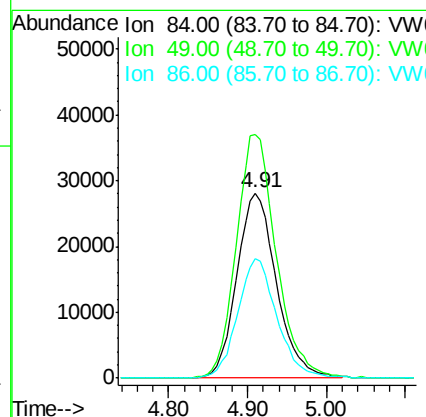
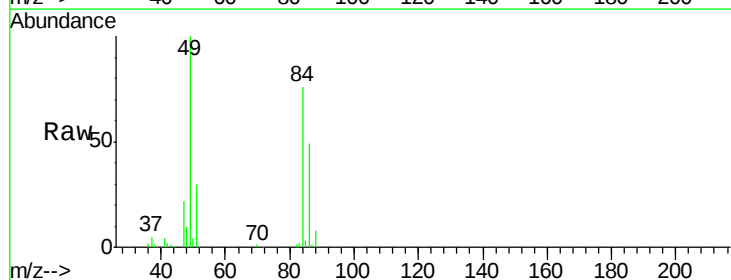
Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

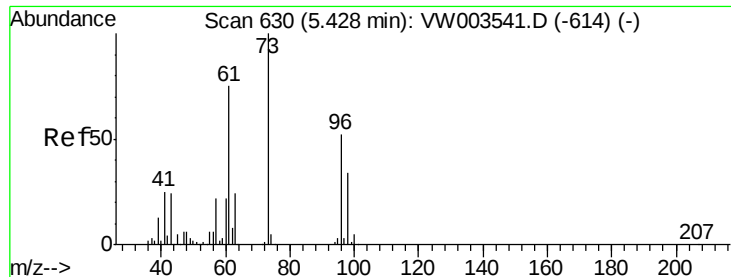
Tgt Ion: 43 Resp: 63928
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3



#16
Methylene chloride
Concen: 25.694 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003566.D
Acq: 26 Jun 2018 01:38

Tgt Ion: 84 Resp: 98133
Ion Ratio Lower Upper
84 100
49 131.6 88.7 164.7
86 64.5 44.2 82.0

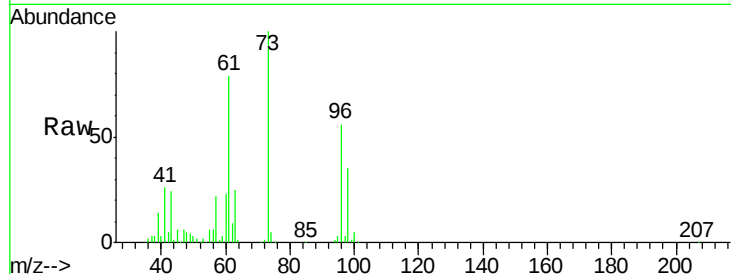




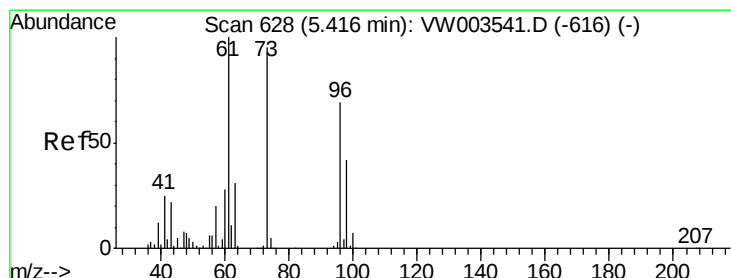
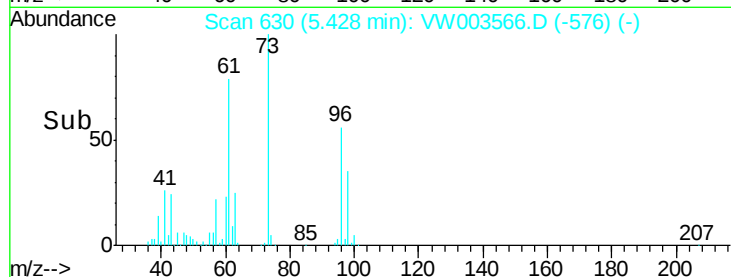
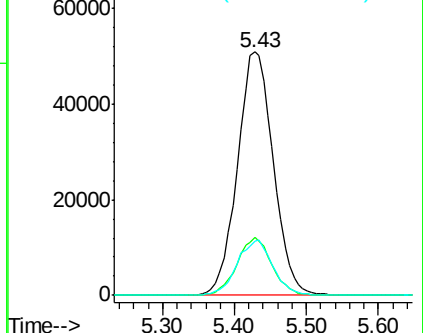
#17
Methyl tert-butyl Ether
Concen: 27.569 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003566.D
Acq: 26 Jun 2018 01:38

Instrument :
MSVOA_W
ClientSampled :
VSTD02581

Tgt Ion: 73 Resp: 176245
Ion Ratio Lower Upper
73 100
43 22.7 18.6 27.8
57 22.6 18.1 27.1

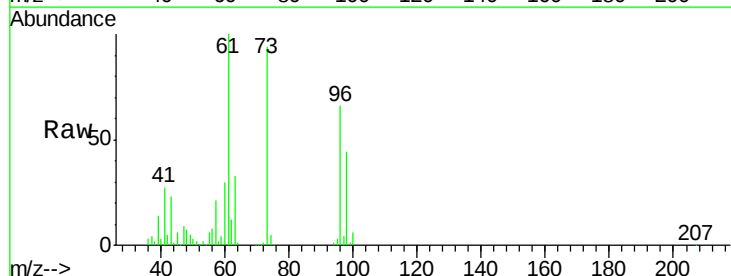


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

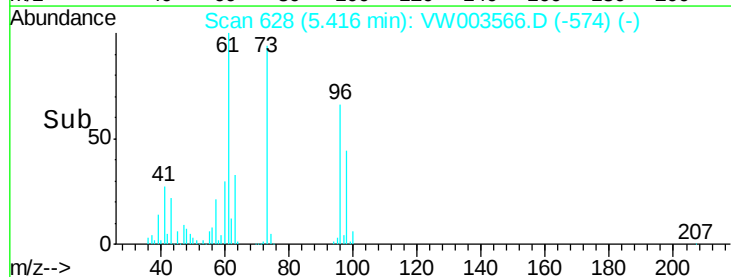
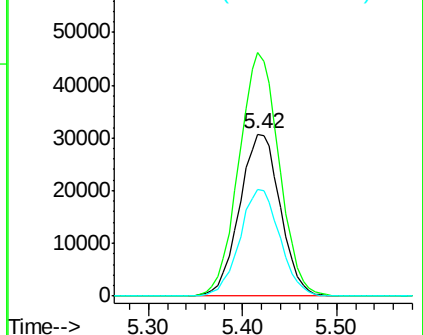


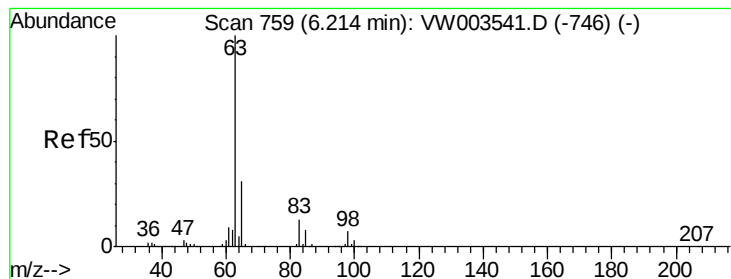
#18
trans-1,2-Dichloroethene
Concen: 25.784 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW003566.D
Acq: 26 Jun 2018 01:38

Tgt Ion: 96 Resp: 93086
Ion Ratio Lower Upper
96 100
61 150.5 98.0 182.0
98 66.0 44.2 82.2



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





#19

1,1-Dichloroethane

Concen: 26.890 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

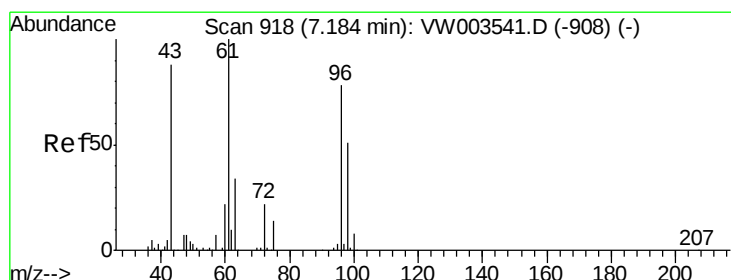
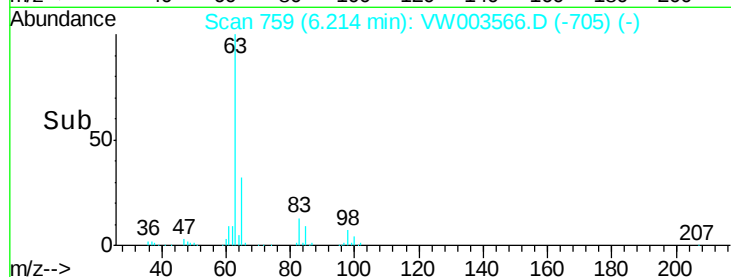
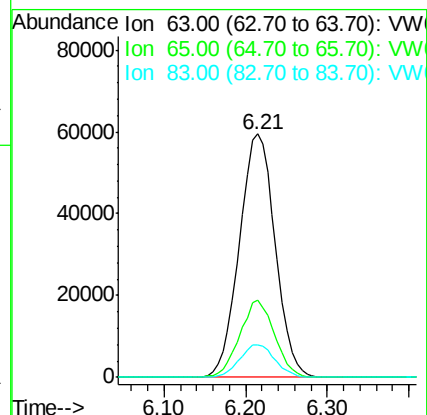
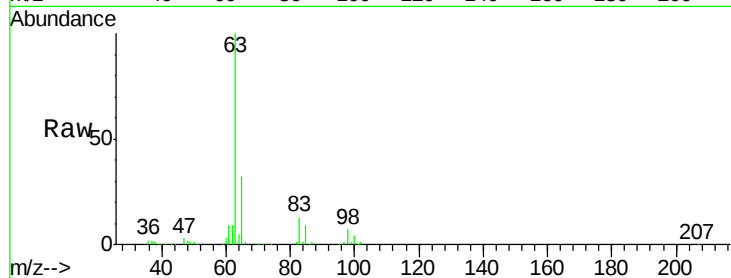
Tgt Ion: 63 Resp: 181166

Ion Ratio Lower Upper

63 100

65 31.5 21.8 40.4

83 13.4 9.0 16.6



#21

2-Butanone

Concen: 57.822 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003566.D

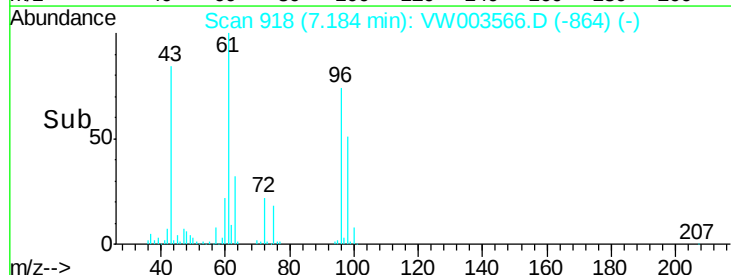
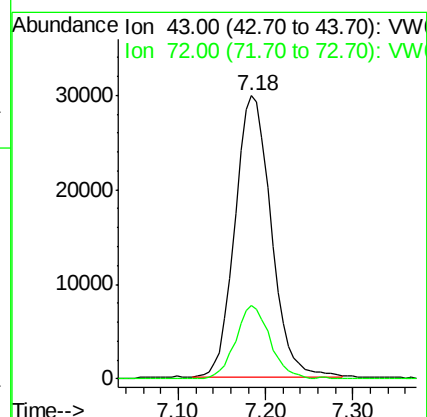
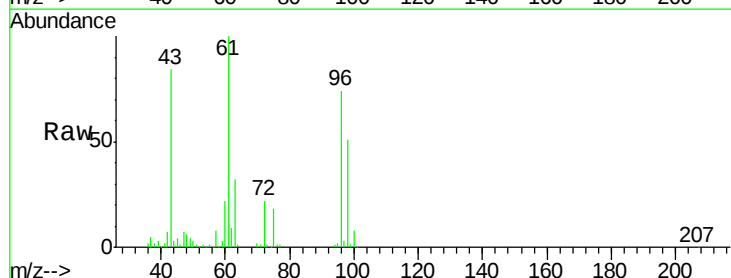
Acq: 26 Jun 2018 01:38

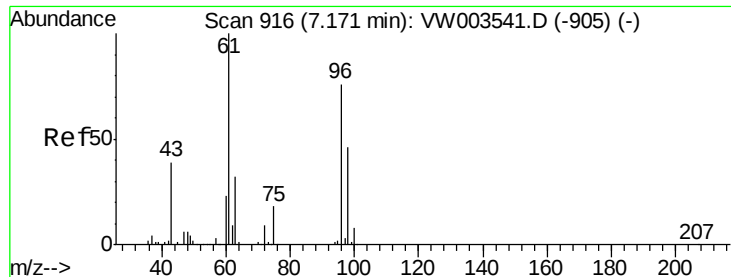
Tgt Ion: 43 Resp: 85794

Ion Ratio Lower Upper

43 100

72 24.7 12.5 37.5



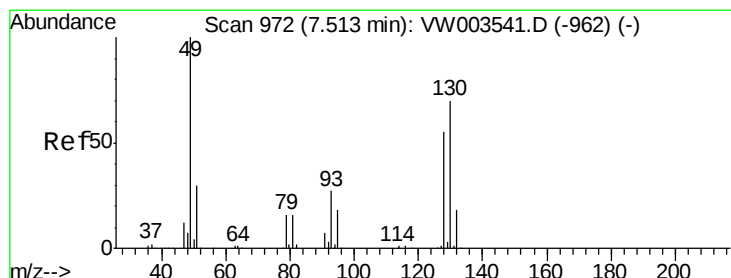
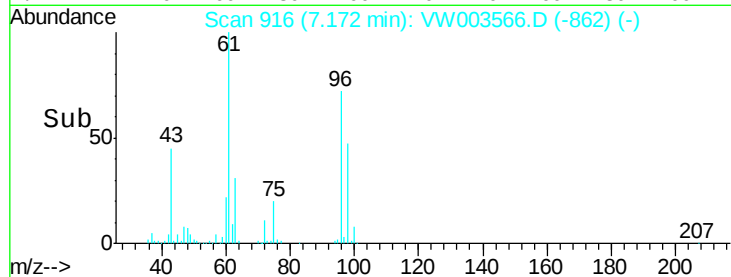
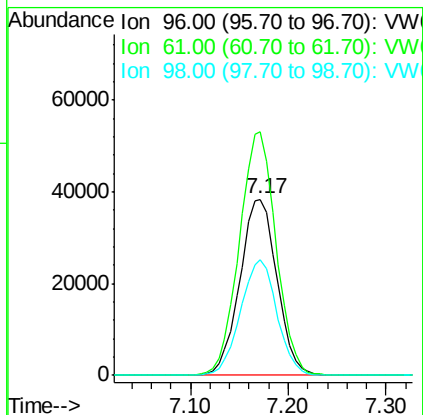
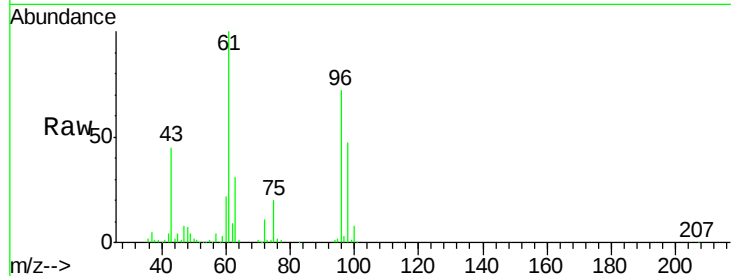


#22

cis-1,2-Dichloroethene
Concen: 26.442 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003566.D
Acq: 26 Jun 2018 01:38

Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

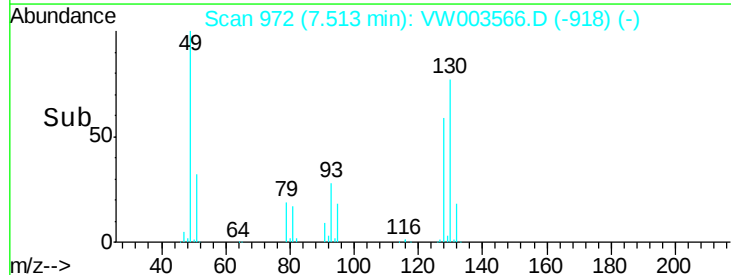
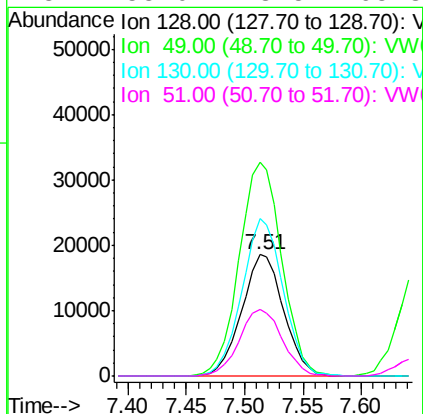
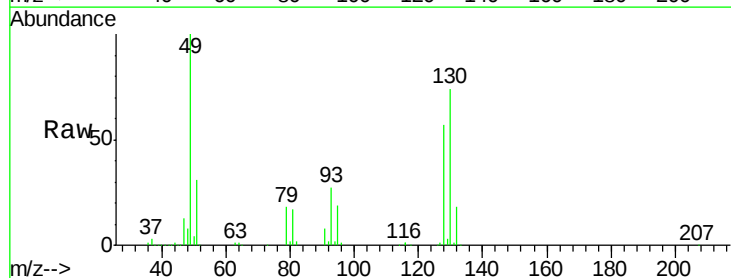
Tgt Ion: 96 Resp: 101452
Ion Ratio Lower Upper
96 100
61 138.4 97.7 181.5
98 65.6 45.0 83.6

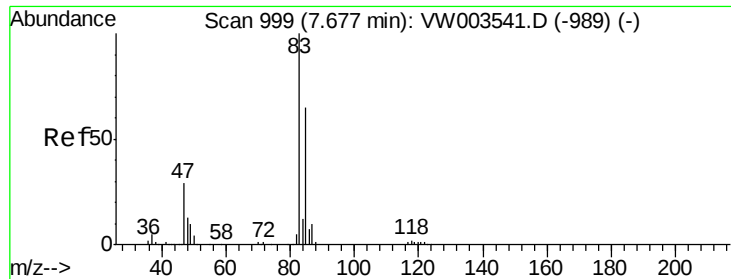


#23

Bromochloromethane
Concen: 26.169 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003566.D
Acq: 26 Jun 2018 01:38

Tgt Ion:128 Resp: 46447
Ion Ratio Lower Upper
128 100
49 176.3 122.0 226.6
130 130.0 88.1 163.5
51 55.0 43.5 65.3





#25

Chloroform

Concen: 26.766 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

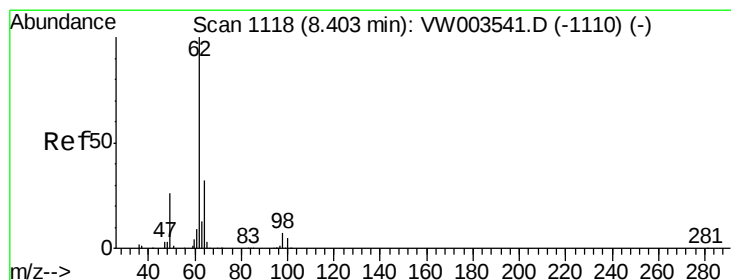
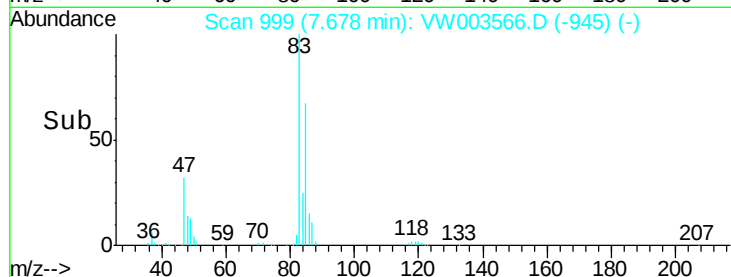
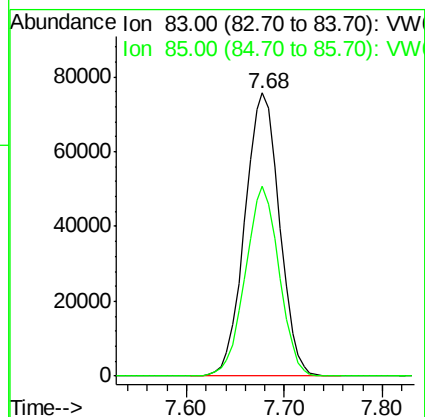
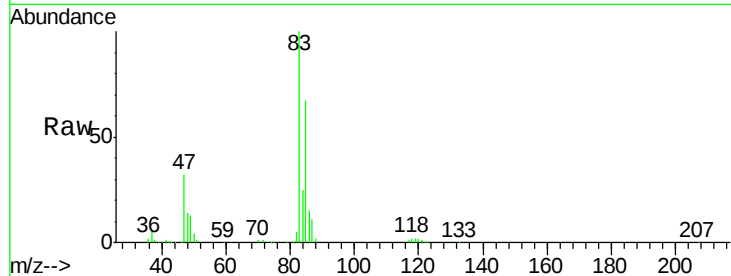
VSTD02581

Tgt Ion: 83 Resp: 185395

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5



#27

1,2-Dichloroethane

Concen: 27.585 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003566.D

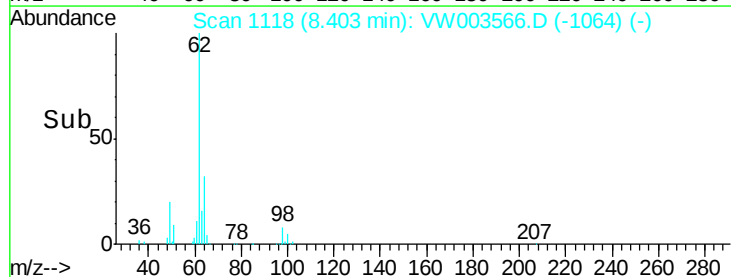
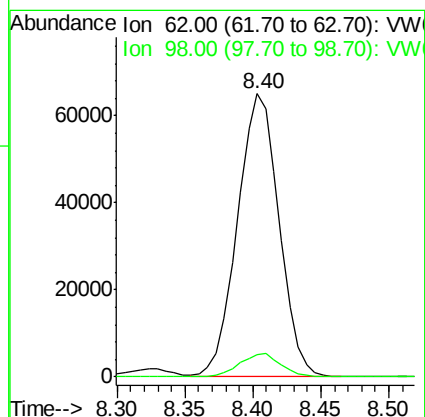
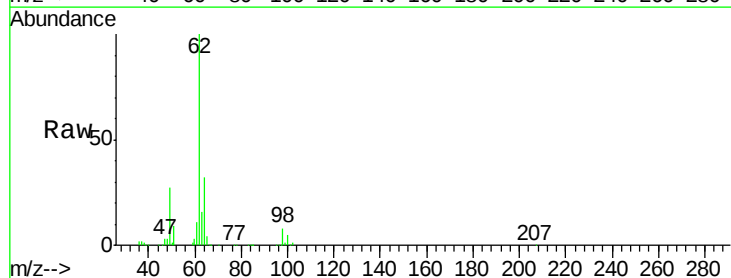
Acq: 26 Jun 2018 01:38

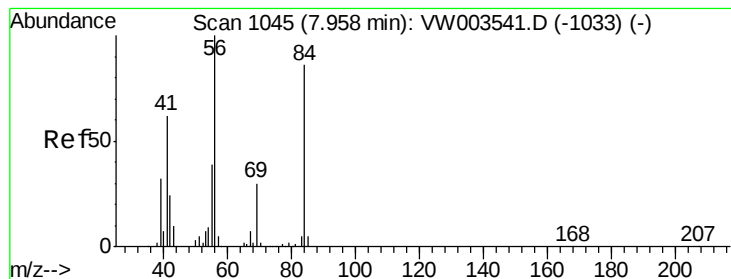
Tgt Ion: 62 Resp: 138362

Ion Ratio Lower Upper

62 100

98 8.0 6.5 9.7





#30

Cyclohexane

Concen: 27.619 ug/L

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

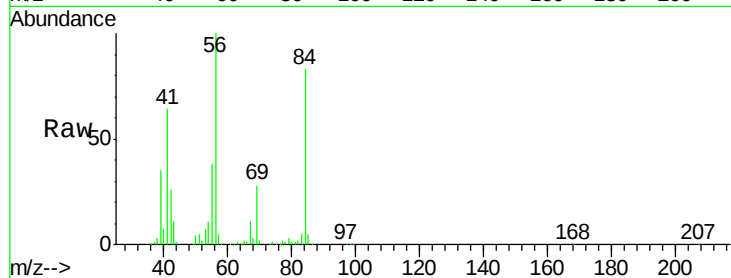
Tgt Ion: 56 Resp: 163692

Ion Ratio Lower Upper

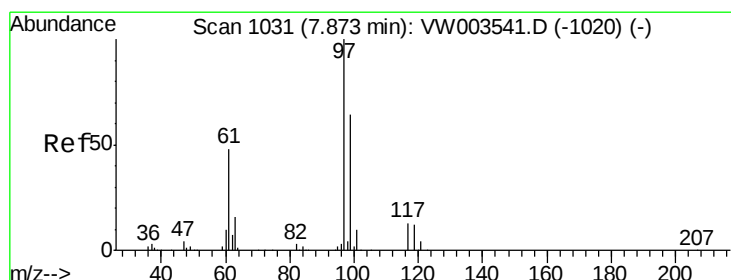
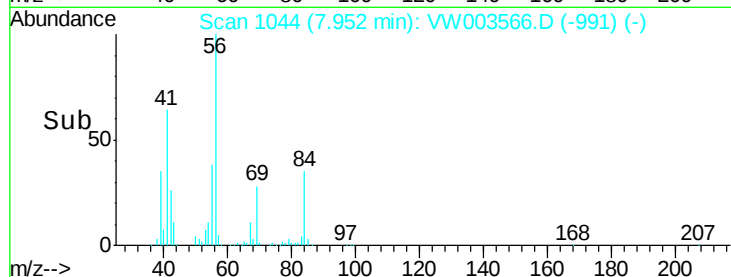
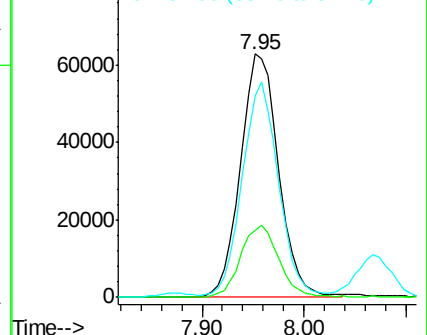
56 100

69 29.7 23.4 35.2

84 82.8 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 27.044 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

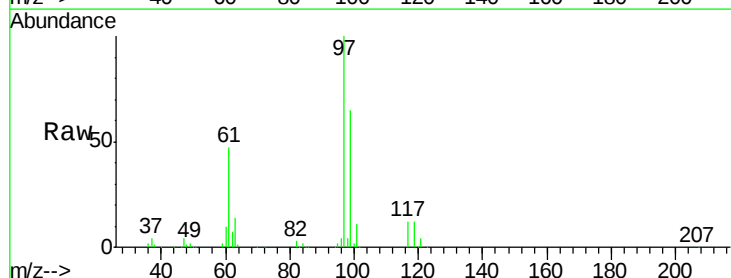
Tgt Ion: 97 Resp: 152522

Ion Ratio Lower Upper

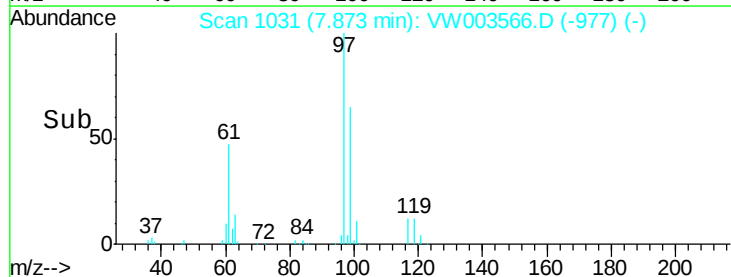
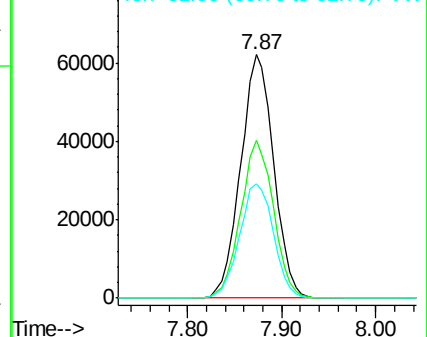
97 100

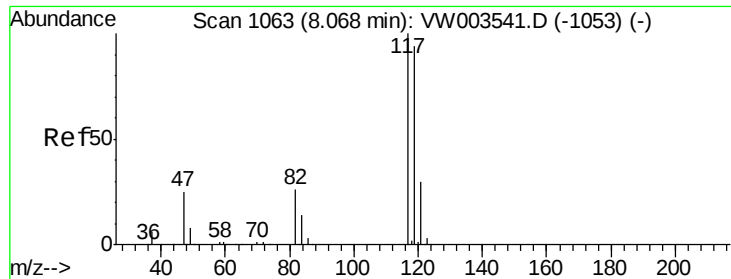
99 64.2 50.9 76.3

61 48.4 37.7 56.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 27.107 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

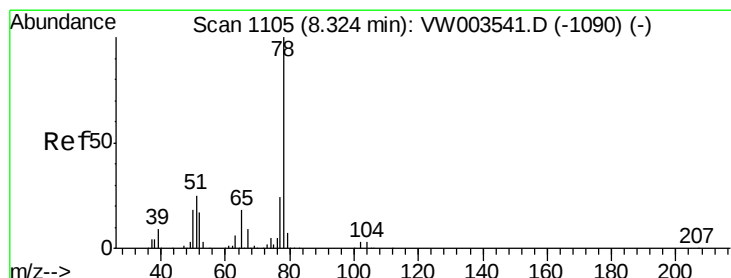
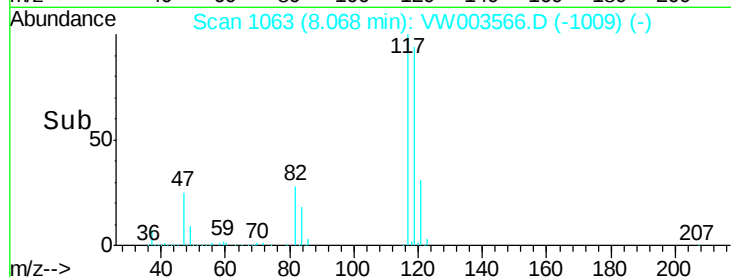
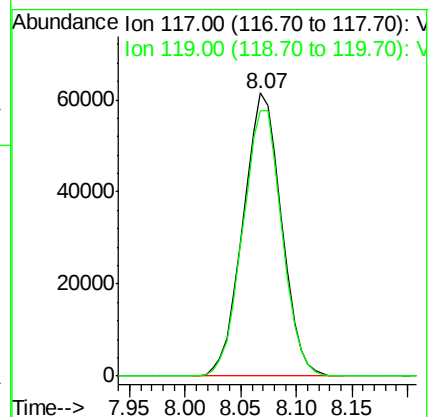
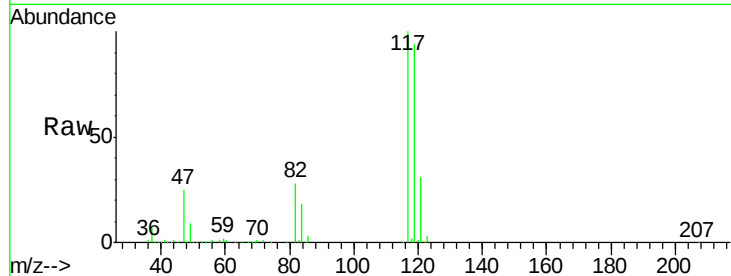
VSTD02581

Tgt Ion:117 Resp: 147695

Ion Ratio Lower Upper

117 100

119 96.0 76.6 114.8



#34

Benzene

Concen: 27.390 ug/L

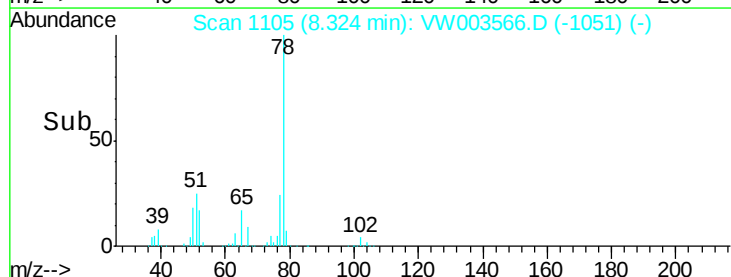
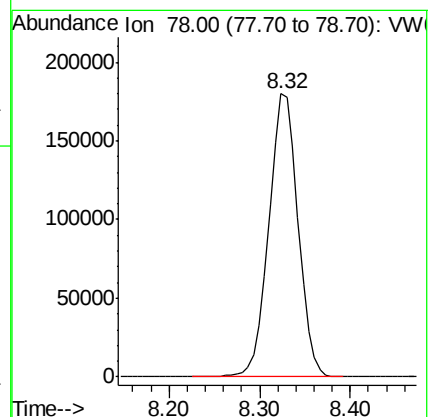
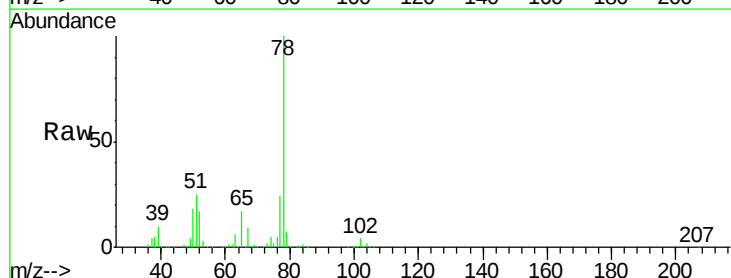
RT: 8.32 min Scan# 1105

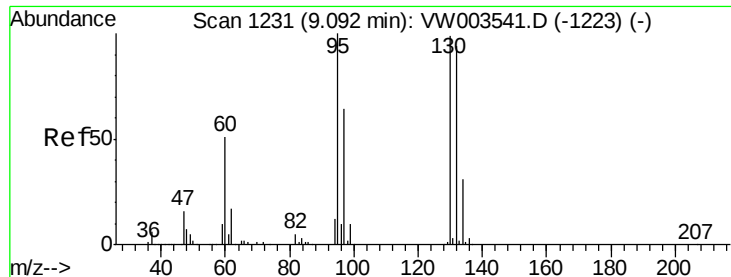
Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Tgt Ion: 78 Resp: 400952

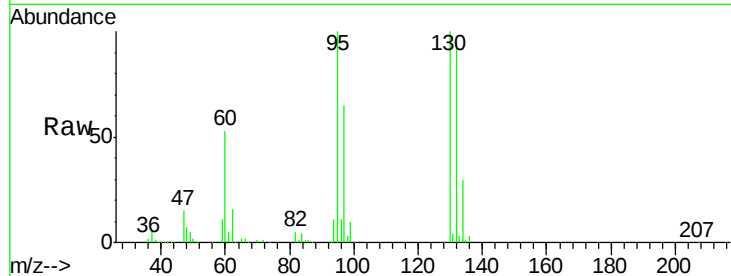




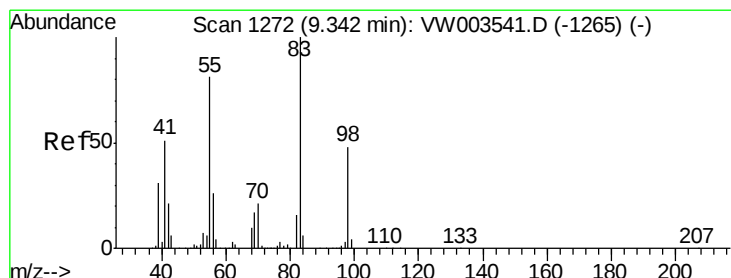
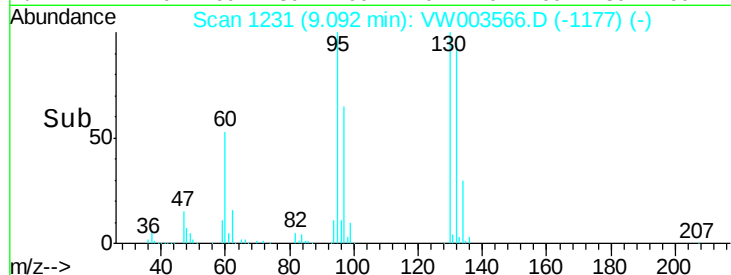
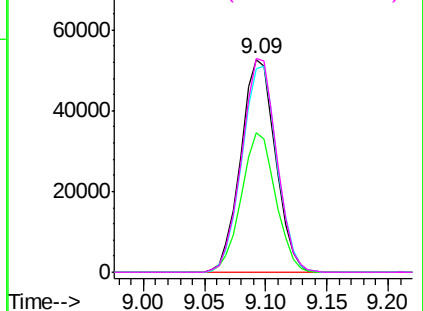
#35
 Trichloroethene
 Concen: 26.409 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW003566.D
 Acq: 26 Jun 2018 01:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

Tgt Ion:	95	Resp:	104196
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.6	84.6
132	97.6	67.8	125.8
130	100.6	70.6	131.0

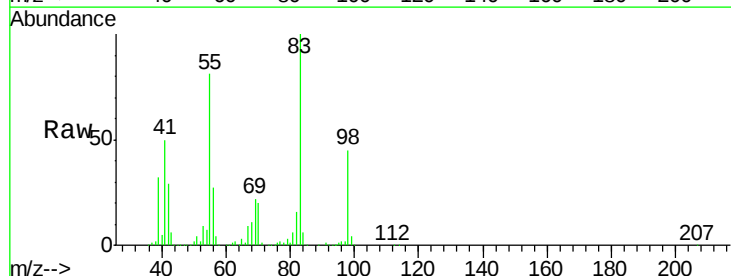


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

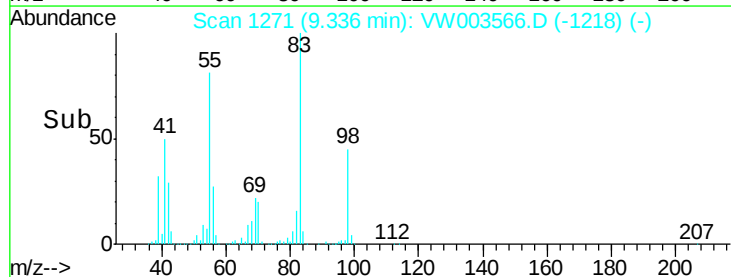
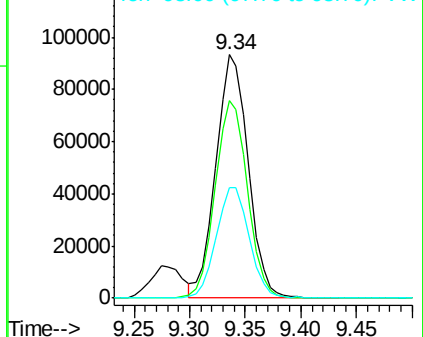


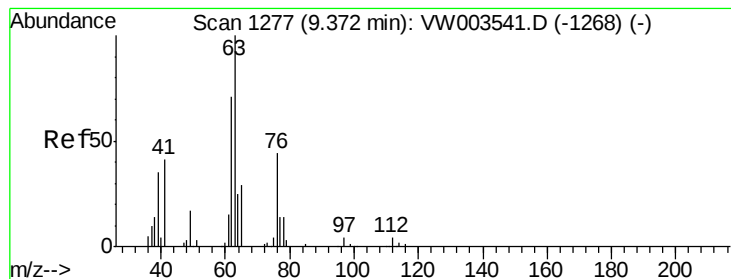
#36
 Methylcyclohexane
 Concen: 27.840 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW003566.D
 Acq: 26 Jun 2018 01:38

Tgt Ion:	83	Resp:	187520
Ion	Ratio	Lower	Upper
83	100		
55	80.8	63.9	95.9
98	46.1	37.1	55.7



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.206 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

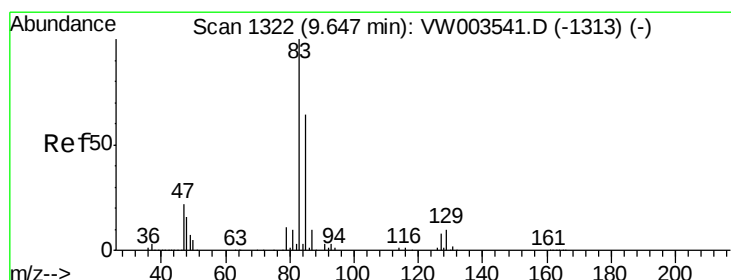
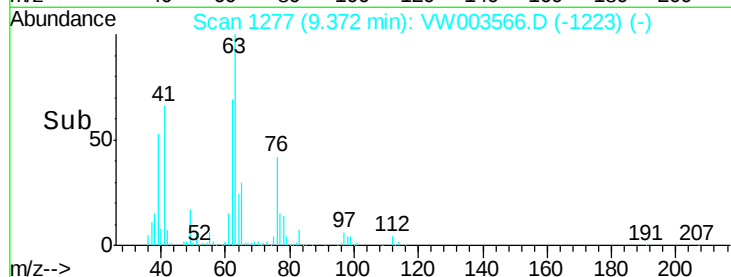
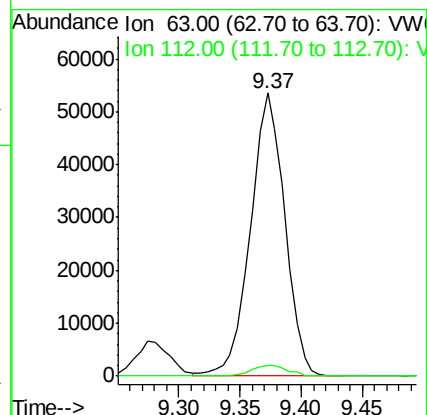
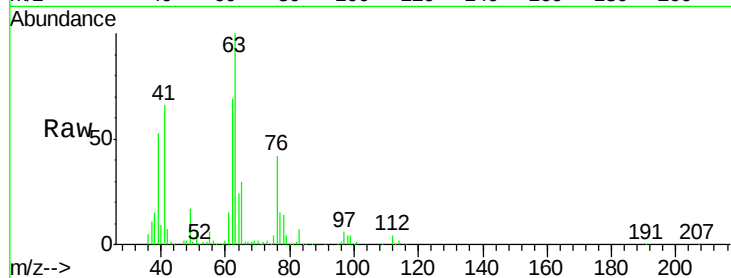
VSTD02581

Tgt Ion: 63 Resp: 104805

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



#41

Bromodichloromethane

Concen: 27.128 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

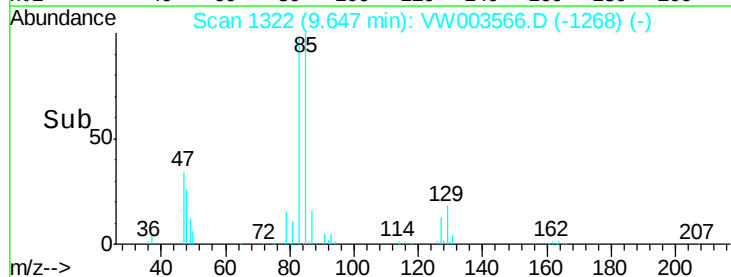
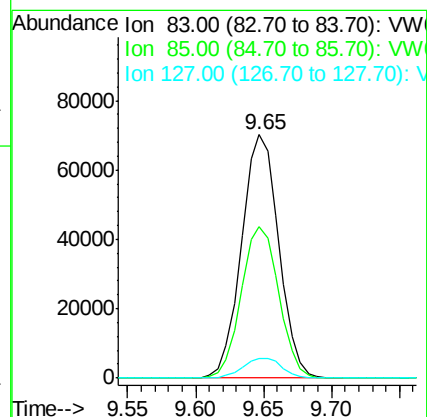
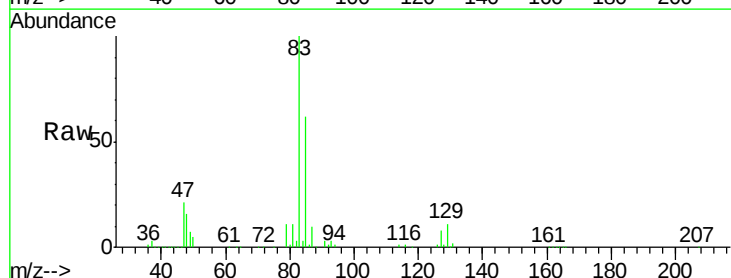
Tgt Ion: 83 Resp: 134321

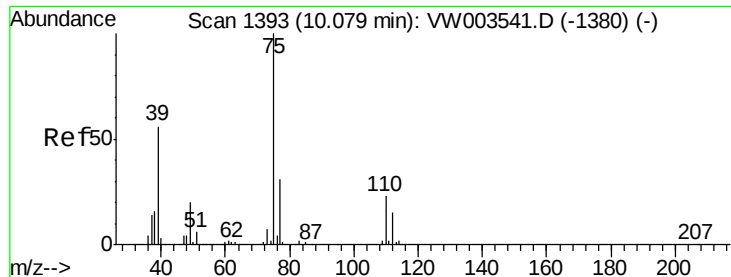
Ion Ratio Lower Upper

83 100

85 62.0 44.7 83.1

127 8.3 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 26.878 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

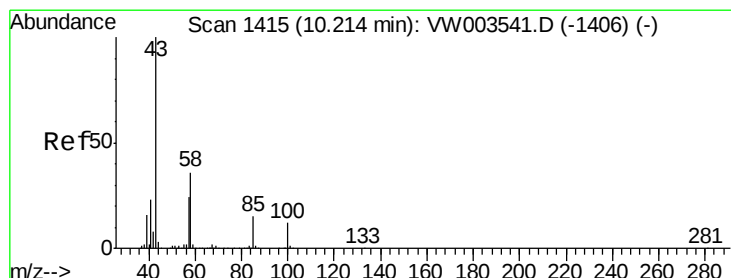
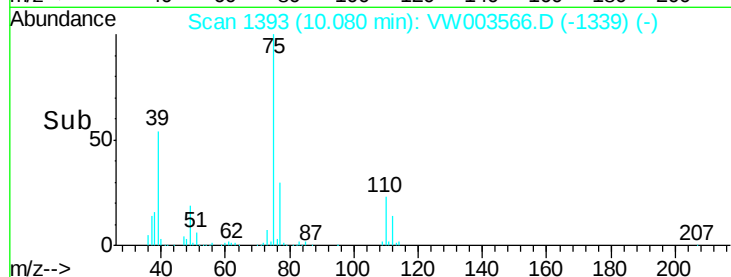
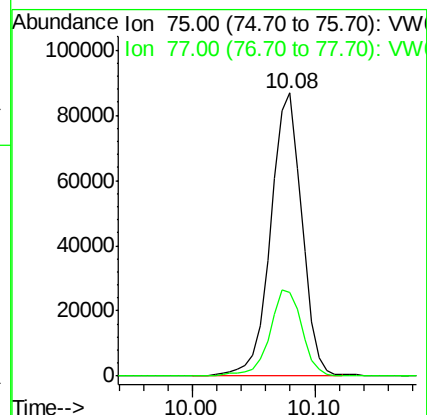
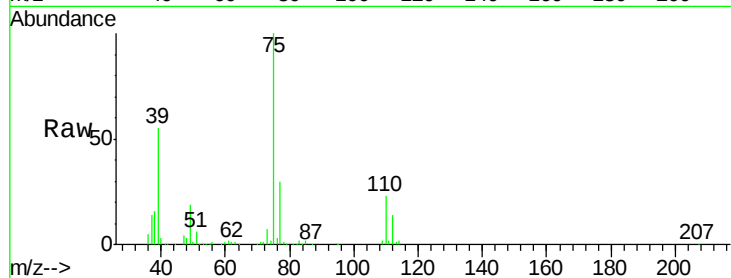
VSTD02581

Tgt Ion: 75 Resp: 154523

Ion Ratio Lower Upper

75 100

77 29.6 21.8 40.6



#43

4-Methyl-2-pentanone

Concen: 65.074 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

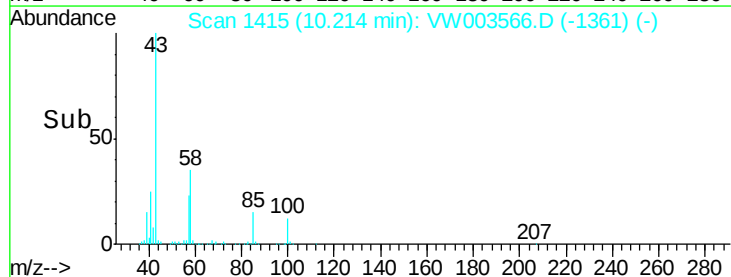
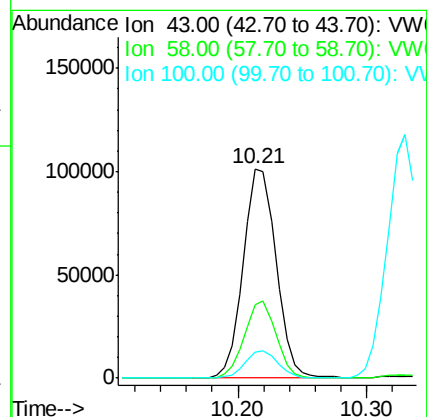
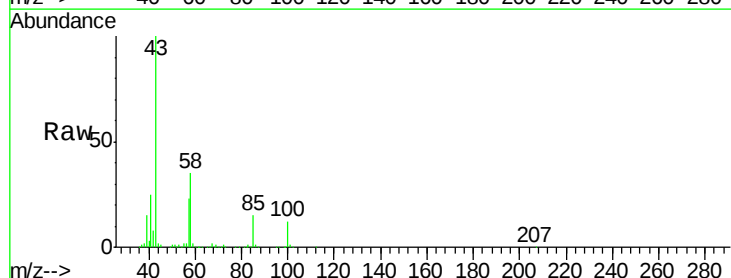
Tgt Ion: 43 Resp: 179089

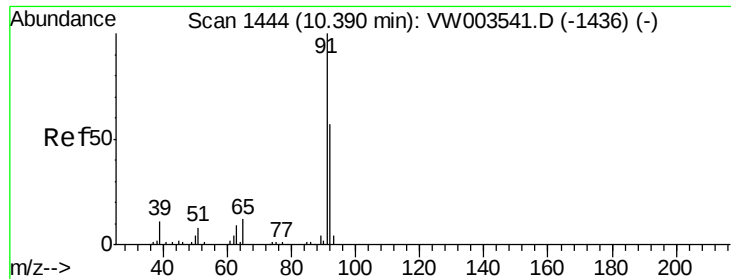
Ion Ratio Lower Upper

43 100

58 35.9 28.7 43.1

100 13.0 11.1 16.7





#44

Toluene

Concen: 27.565 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

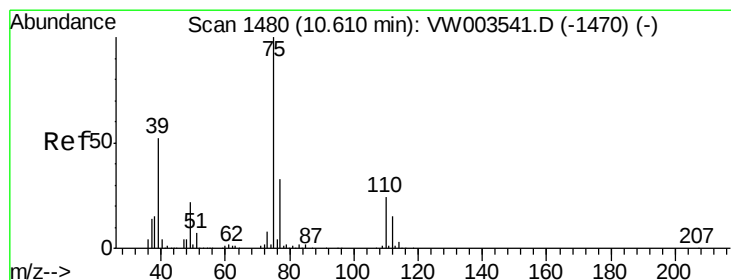
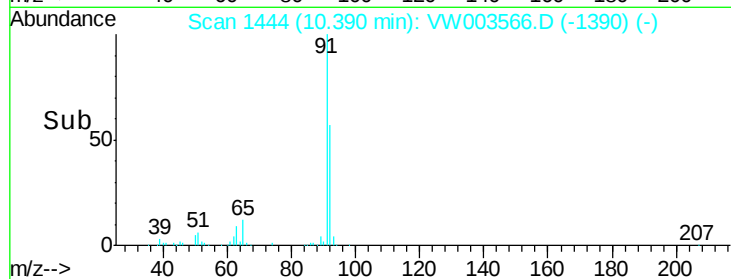
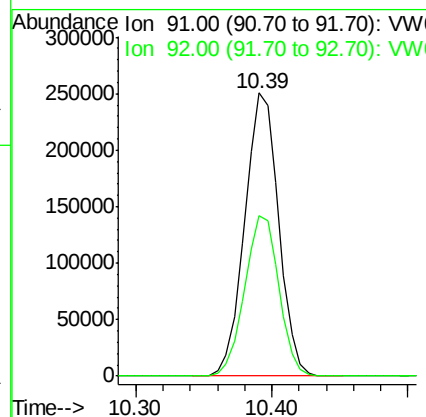
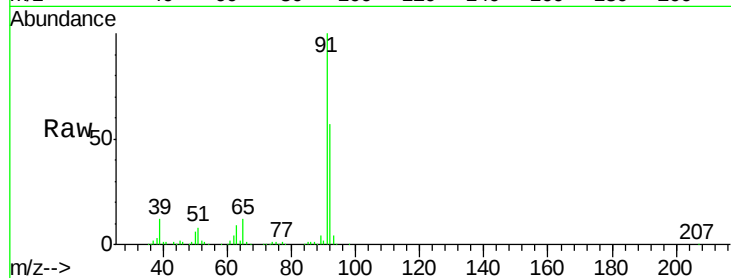
VSTD02581

Tgt Ion: 91 Resp: 437614

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 27.384 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003566.D

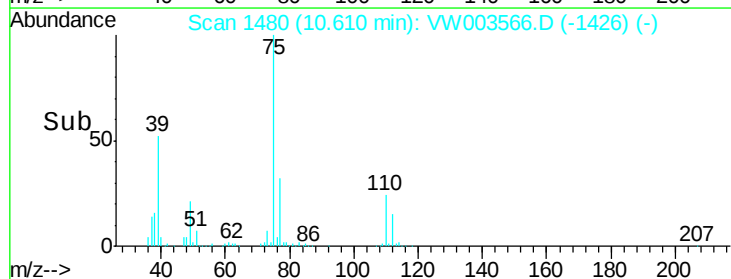
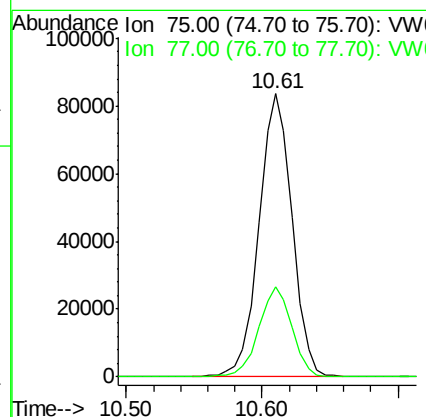
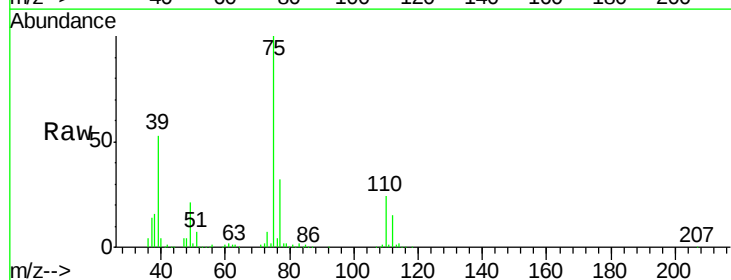
Acq: 26 Jun 2018 01:38

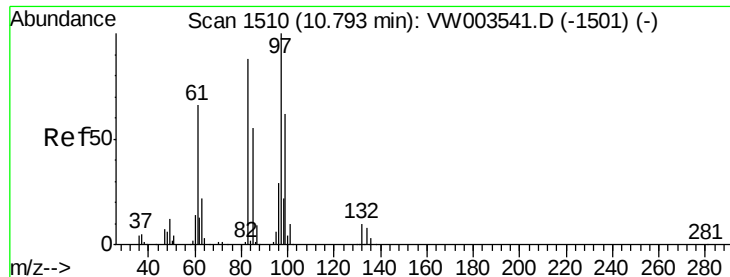
Tgt Ion: 75 Resp: 142461

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6

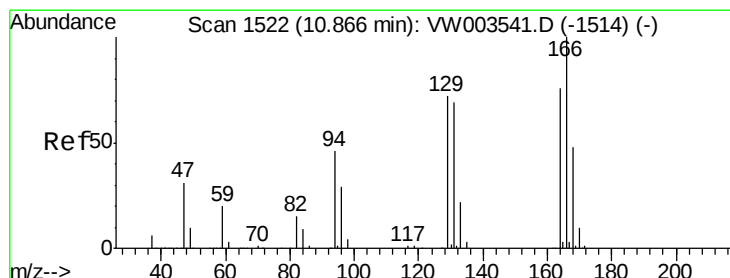
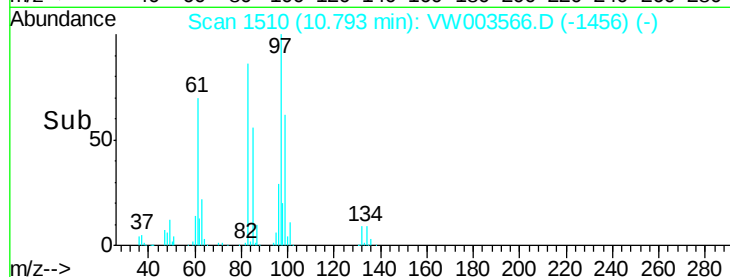
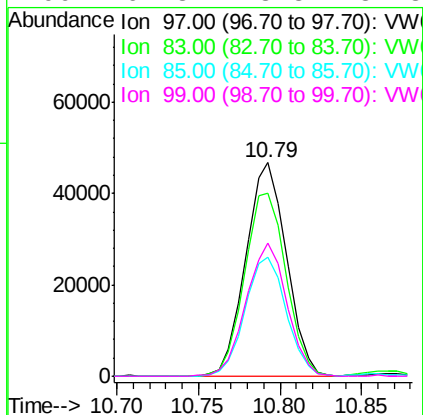
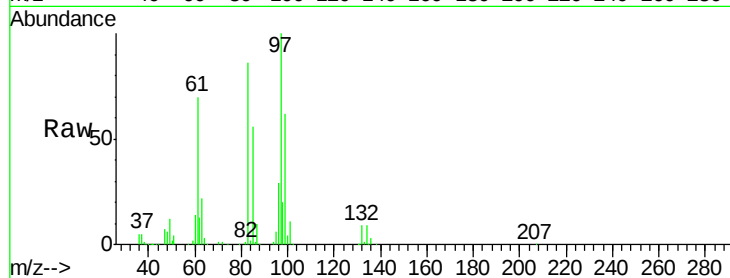




#46
 1,1,2-Trichloroethane
 Concen: 28.234 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003566.D
 Acq: 26 Jun 2018 01:38

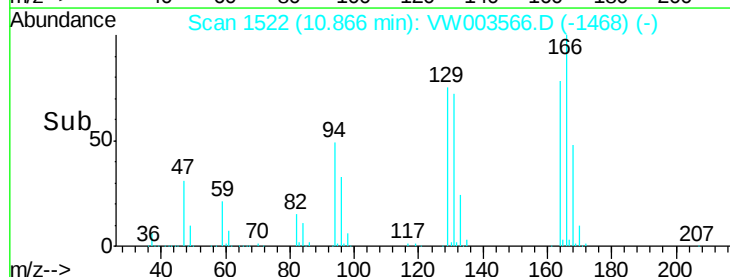
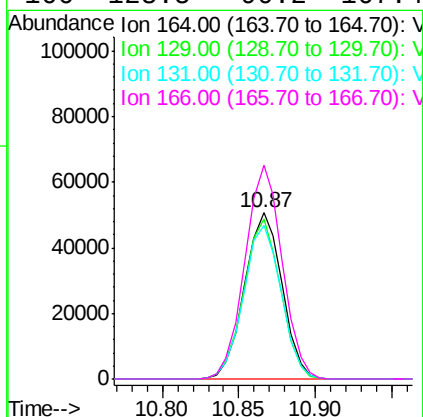
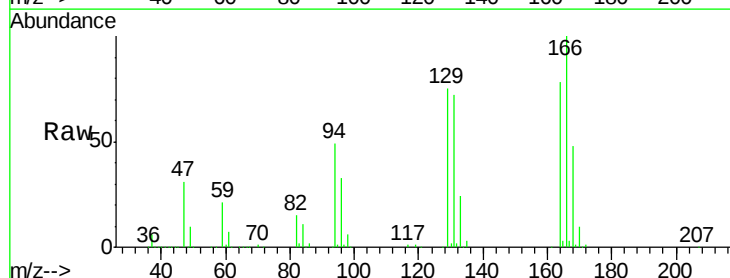
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

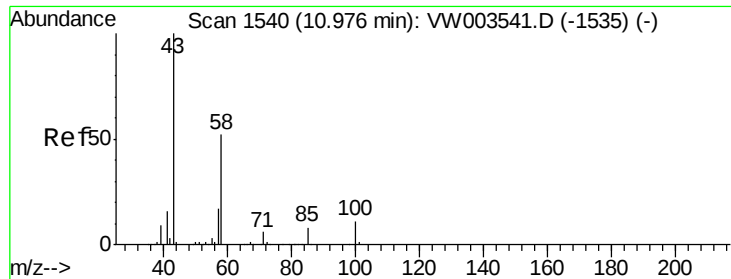
Tgt Ion:	97	Resp:	81197
Ion	Ratio	Lower	Upper
97	100		
83	85.6	58.8	109.2
85	55.5	38.8	72.0
99	62.3	43.8	81.3



#47
 Tetrachloroethene
 Concen: 26.149 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW003566.D
 Acq: 26 Jun 2018 01:38

Tgt Ion:	164	Resp:	86697
Ion	Ratio	Lower	Upper
164	100		
129	96.7	67.3	124.9
131	92.4	63.8	118.4
166	128.5	90.2	167.4

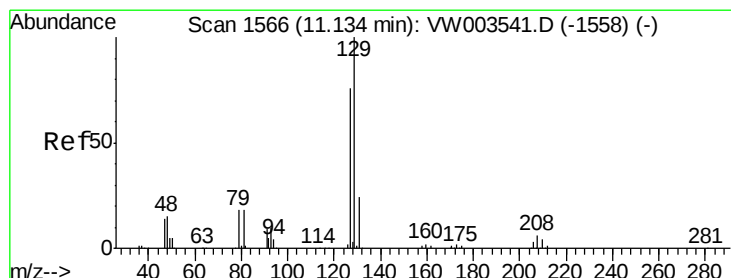
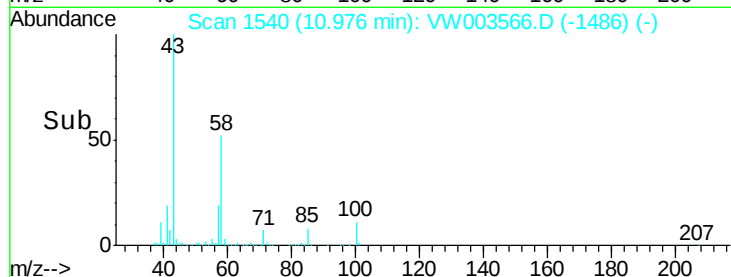
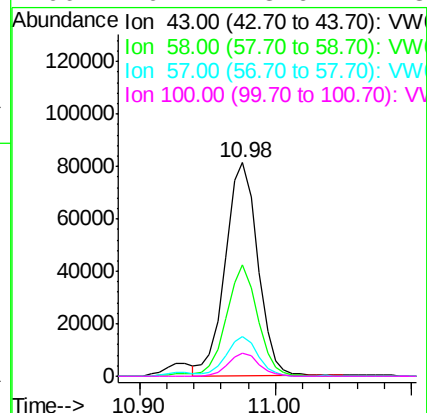
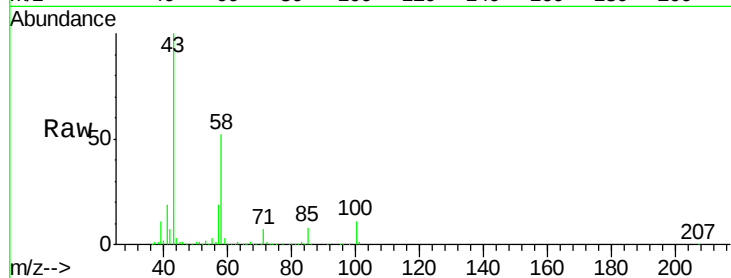




#49
2-Hexanone
Concen: 65.553 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003566.D
Acq: 26 Jun 2018 01:38

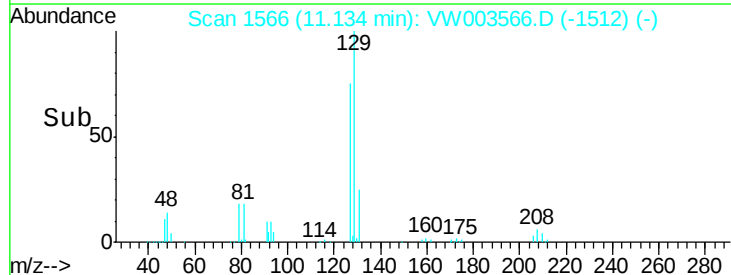
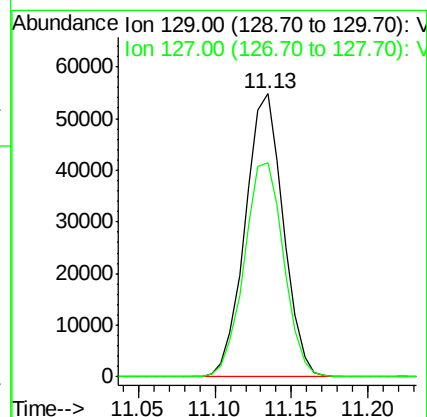
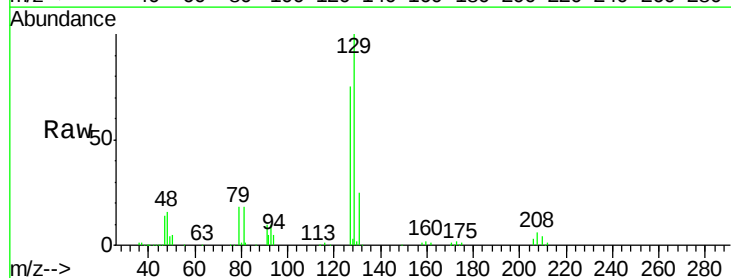
Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

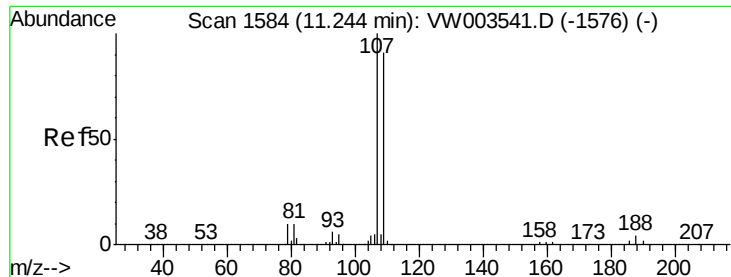
Tgt Ion: 43 Resp: 134440
Ion Ratio Lower Upper
43 100
58 51.6 40.4 60.6
57 18.1 14.6 21.8
100 10.2 8.6 12.8



#50
Dibromochloromethane
Concen: 27.085 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003566.D
Acq: 26 Jun 2018 01:38

Tgt Ion: 129 Resp: 94824
Ion Ratio Lower Upper
129 100
127 75.5 56.0 104.0

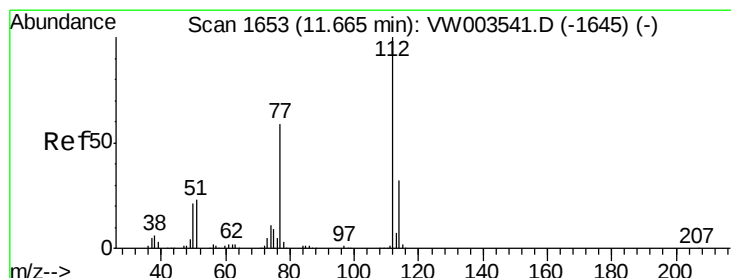
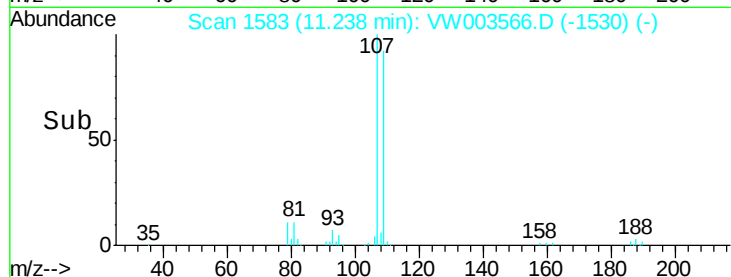
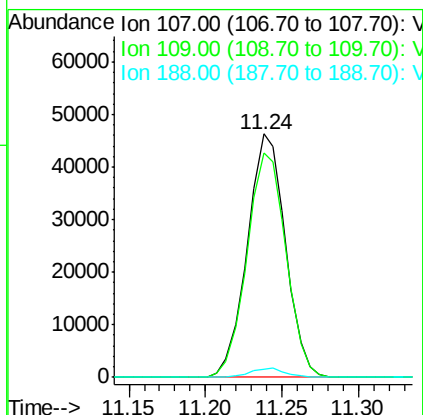
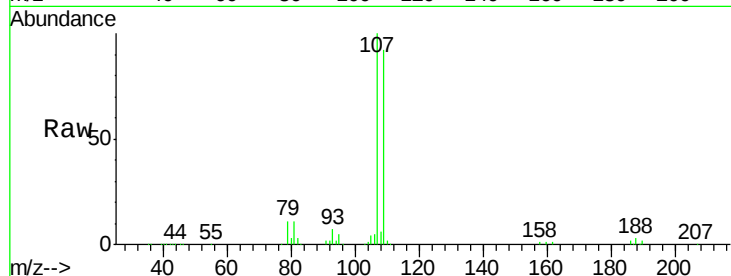




#51
1,2-Dibromoethane
Concen: 28.076 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VW003566.D
Acq: 26 Jun 2018 01:38

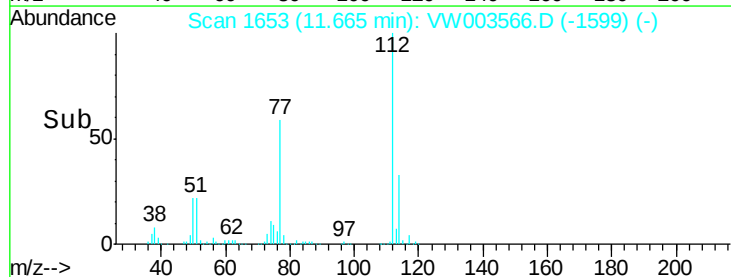
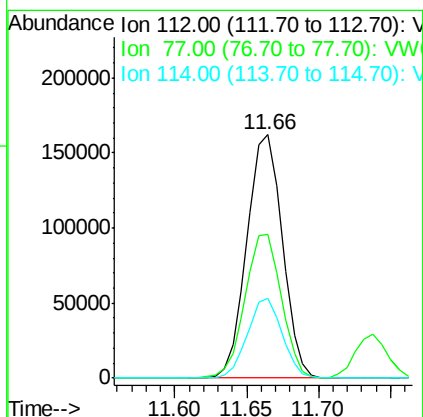
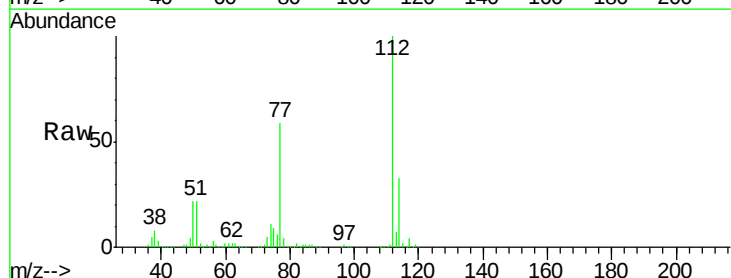
Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

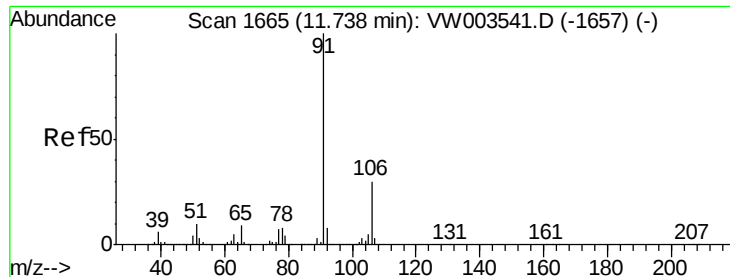
Tgt Ion:107 Resp: 80235
Ion Ratio Lower Upper
107 100
109 92.0 64.5 119.9
188 3.2 2.8 4.2



#52
Chlorobenzene
Concen: 26.842 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003566.D
Acq: 26 Jun 2018 01:38

Tgt Ion:112 Resp: 276721
Ion Ratio Lower Upper
112 100
77 58.9 47.3 70.9
114 33.0 22.2 41.2





#53

Ethylbenzene

Concen: 27.838 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

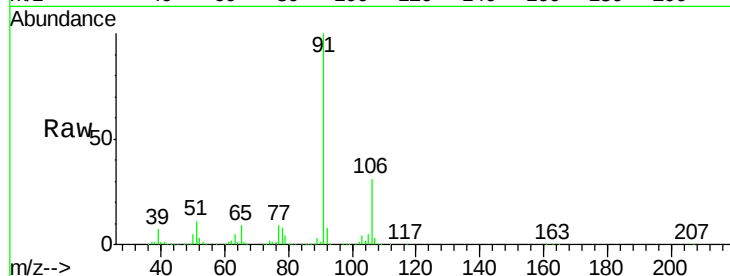
VSTD02581

Tgt Ion: 91 Resp: 495707

Ion Ratio Lower Upper

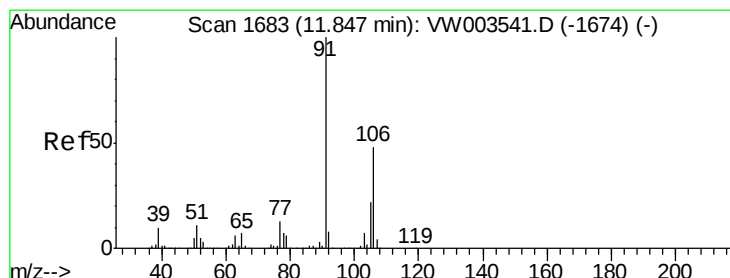
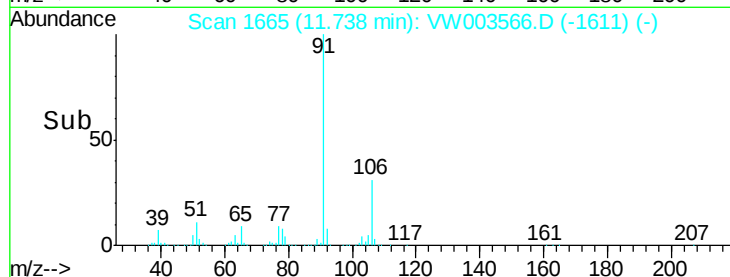
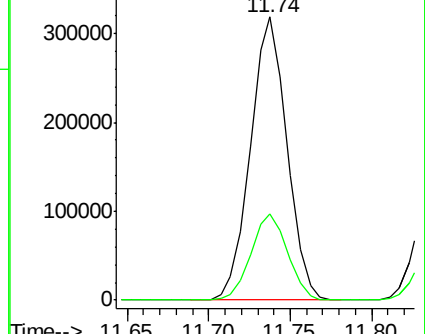
91 100

106 30.6 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 28.200 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003566.D

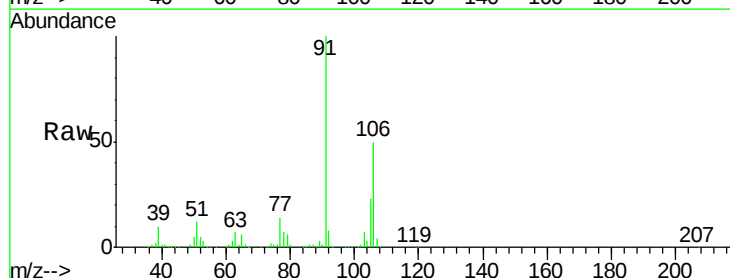
Acq: 26 Jun 2018 01:38

Tgt Ion: 106 Resp: 186501

Ion Ratio Lower Upper

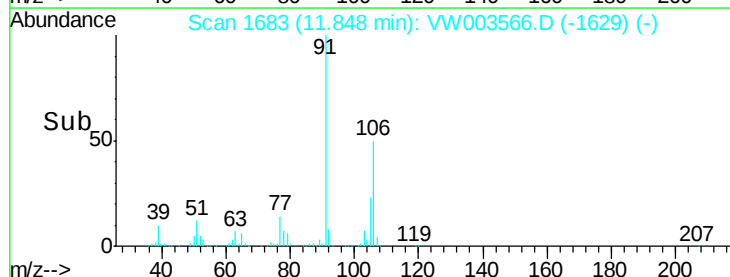
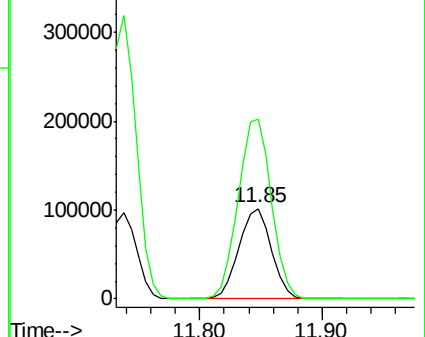
106 100

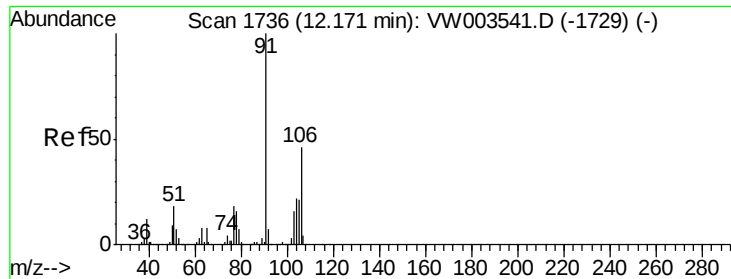
91 199.1 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 27.908 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

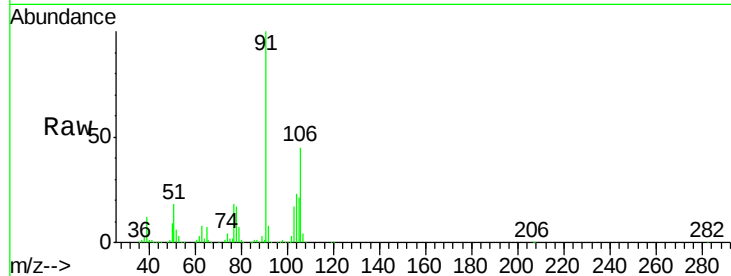
VSTD02581

Tgt Ion:106 Resp: 175571

Ion Ratio Lower Upper

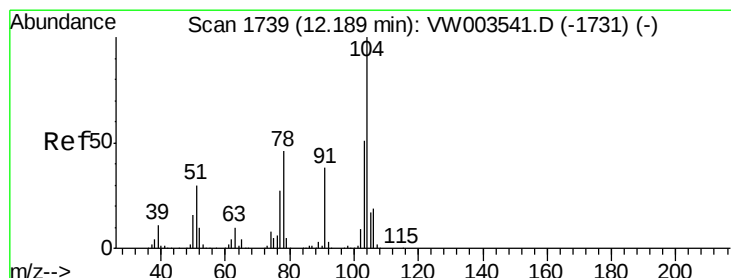
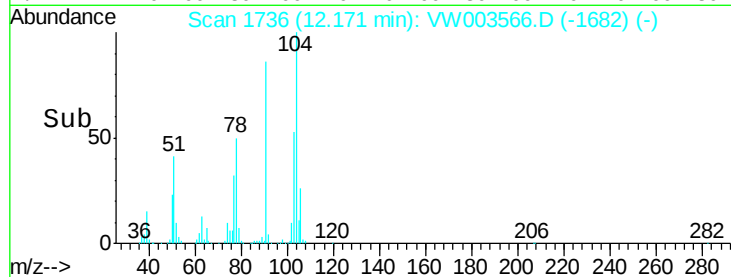
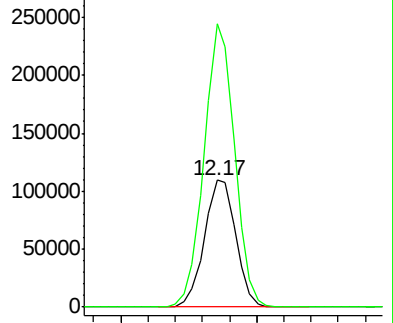
106 100

91 223.3 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.040 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW003566.D

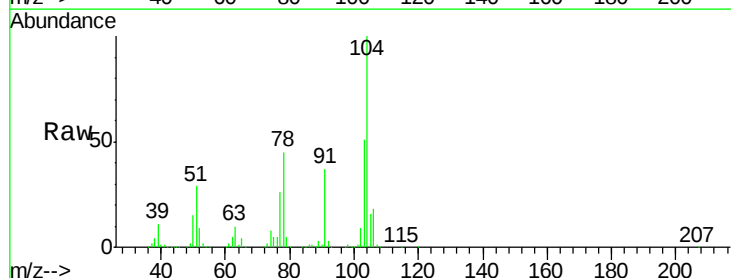
Acq: 26 Jun 2018 01:38

Tgt Ion:104 Resp: 304545

Ion Ratio Lower Upper

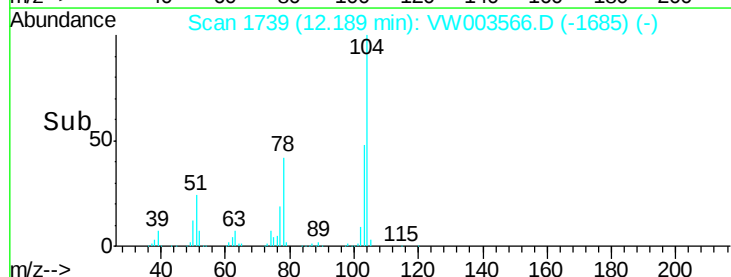
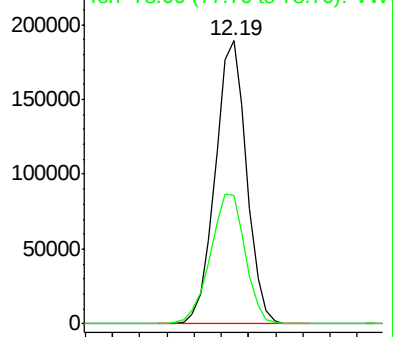
104 100

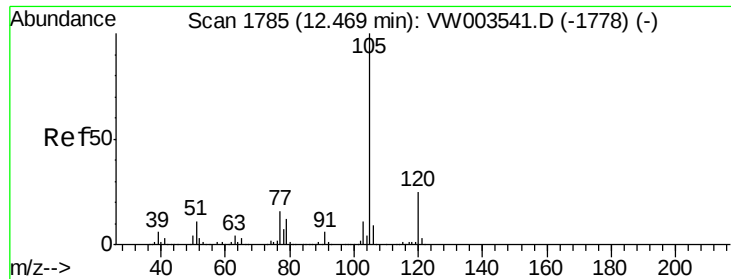
78 45.3 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.390 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

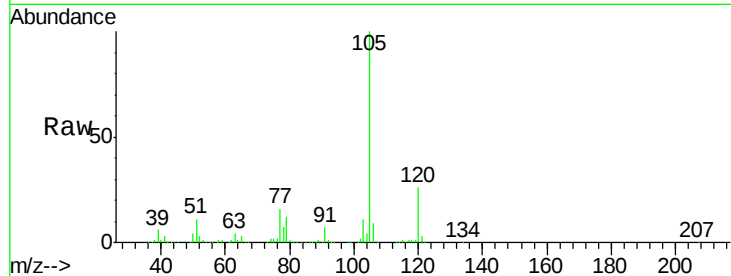
Tgt Ion: 105 Resp: 495535

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

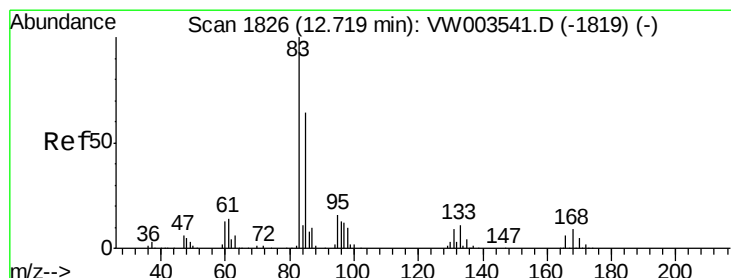
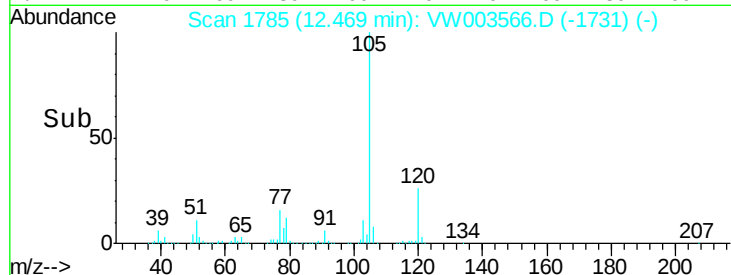
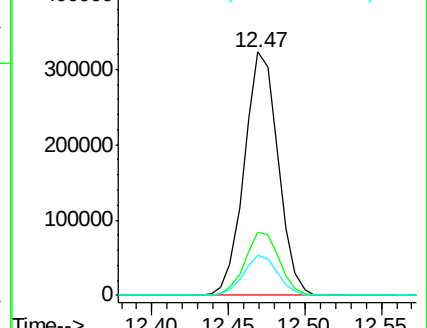
77 16.5 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.973 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

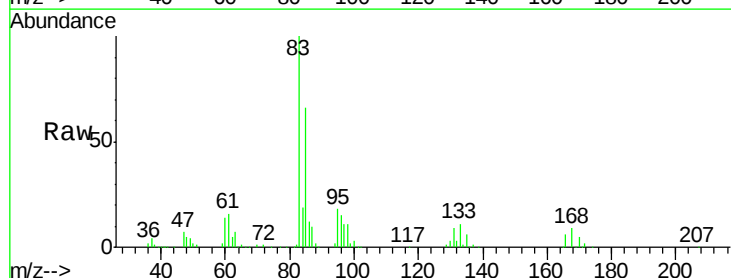
Tgt Ion: 83 Resp: 113633

Ion Ratio Lower Upper

83 100

85 66.3 45.1 83.9

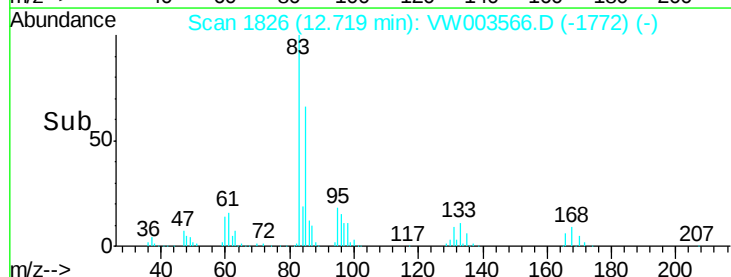
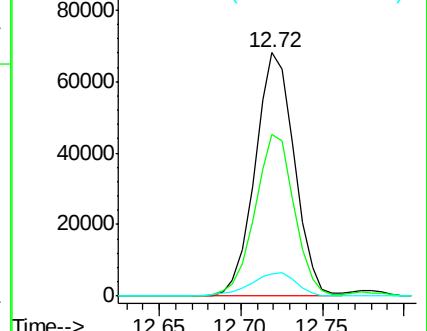
131 9.2 8.2 12.2

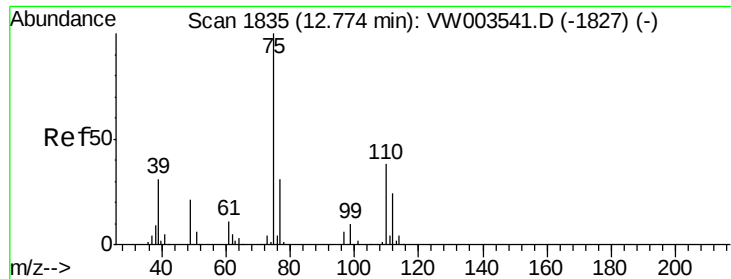


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.617 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampled :

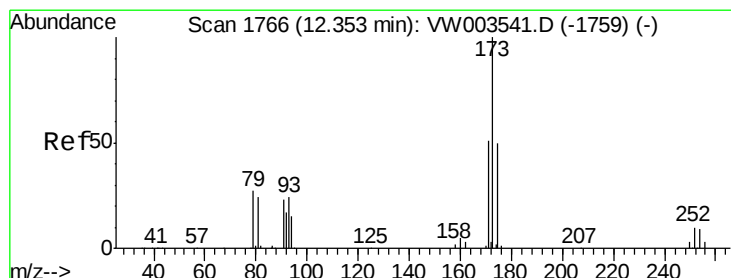
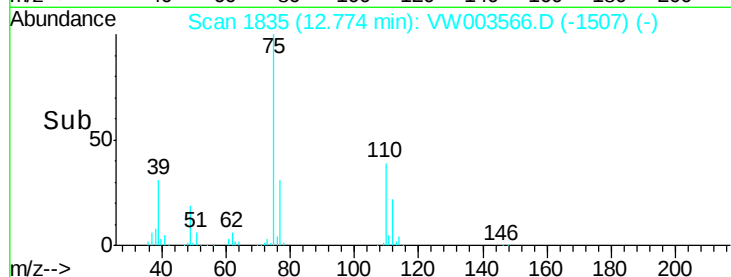
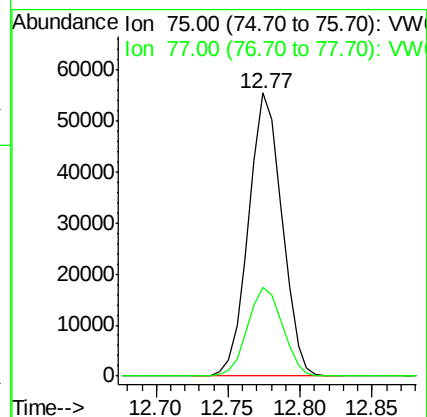
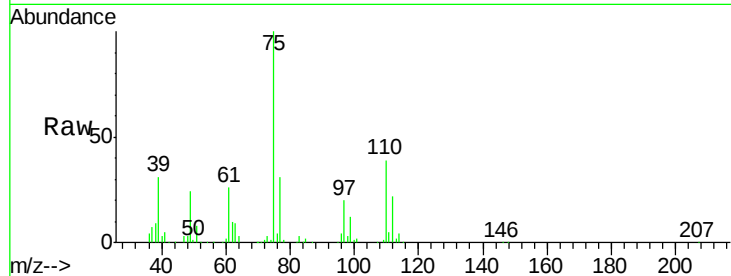
VSTD02581

Tgt Ion: 75 Resp: 88957

Ion Ratio Lower Upper

75 100

77 32.8 26.0 39.0



#62

Bromoform

Concen: 27.291 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

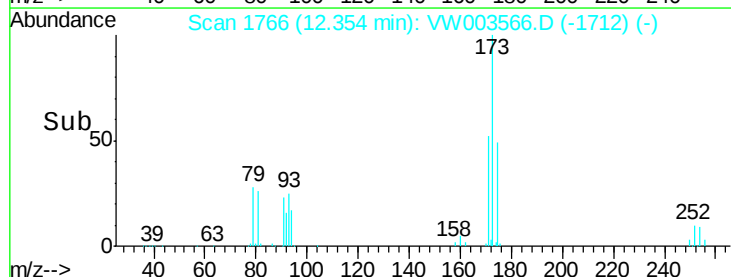
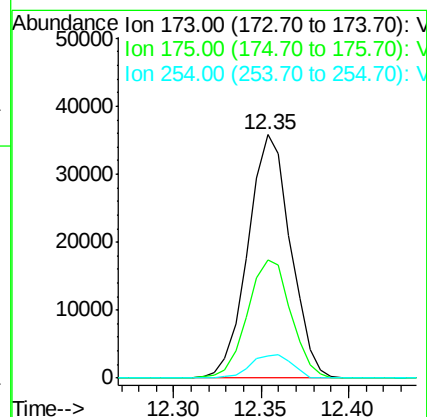
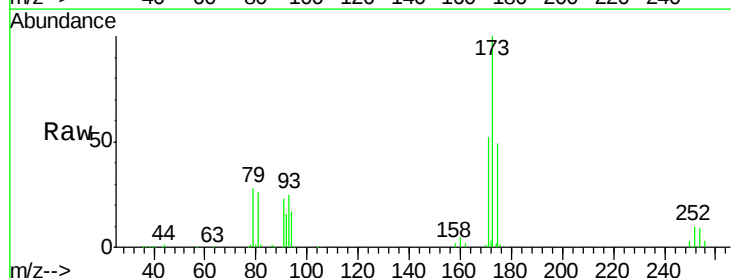
Tgt Ion: 173 Resp: 60660

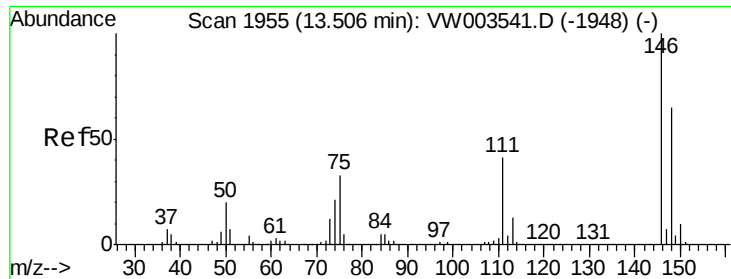
Ion Ratio Lower Upper

173 100

175 49.6 39.9 59.9

254 9.4 7.7 11.5

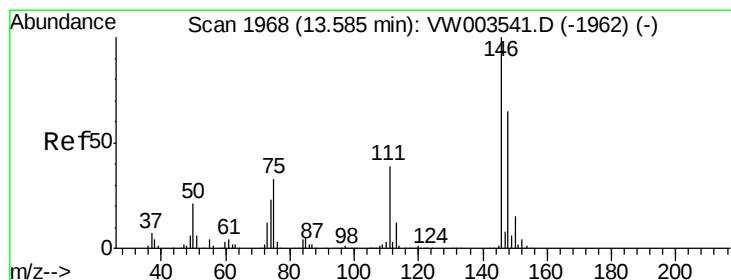
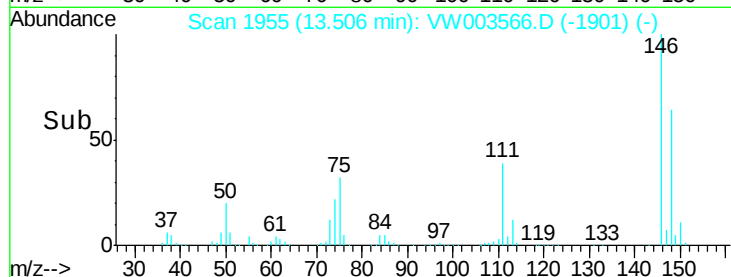
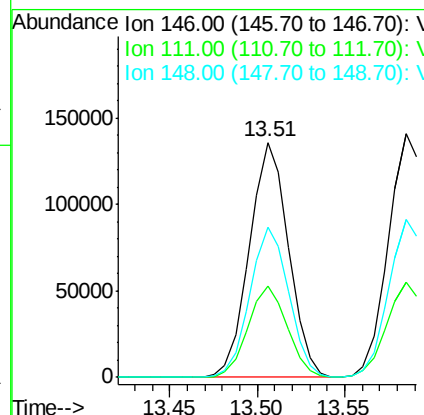
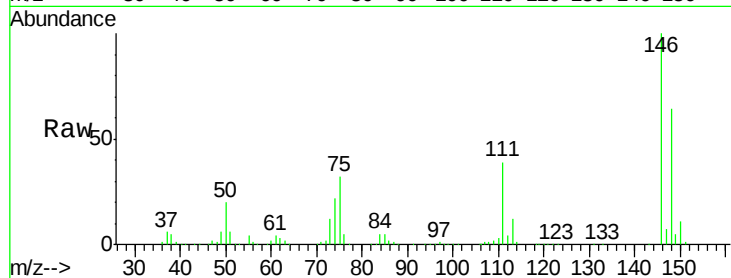




#63
 1,3-Dichlorobenzene
 Concen: 26.029 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003566.D
 Acq: 26 Jun 2018 01:38

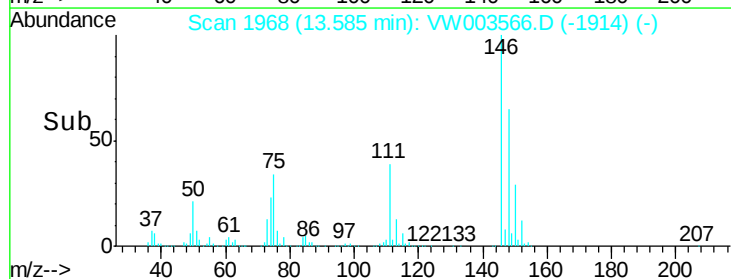
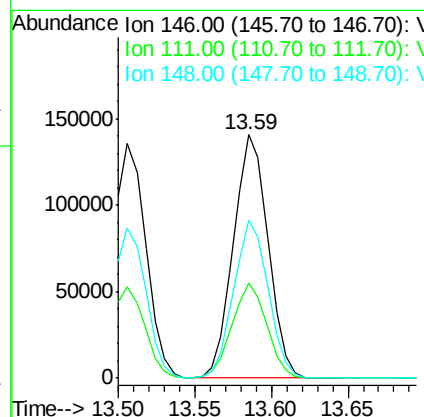
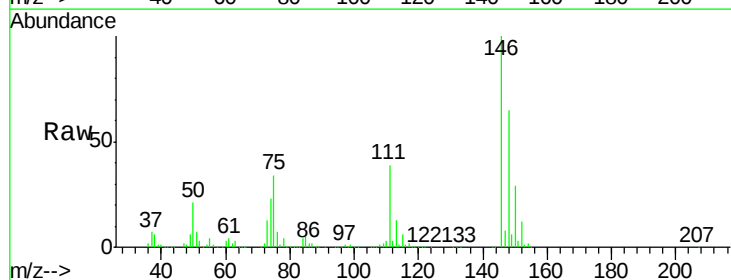
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

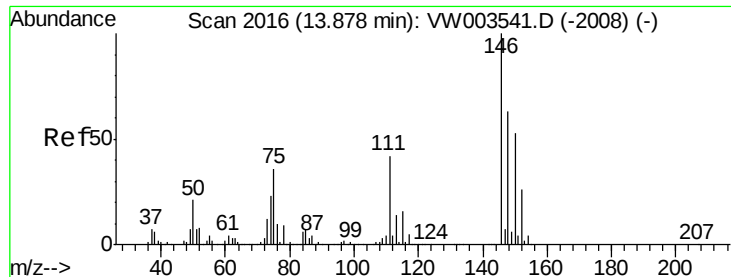
Tgt Ion:146 Resp: 211369
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.9 51.7
 148 64.1 44.9 83.3



#64
 1,4-Dichlorobenzene
 Concen: 25.930 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003566.D
 Acq: 26 Jun 2018 01:38

Tgt Ion:146 Resp: 220762
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.8 49.8
 148 64.8 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 26.700 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

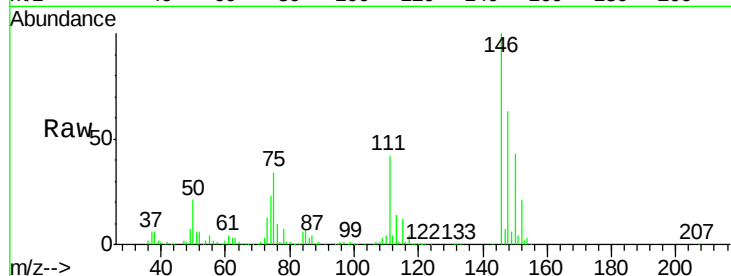
Tgt Ion:146 Resp: 207001

Ion Ratio Lower Upper

146 100

111 42.0 33.1 49.7

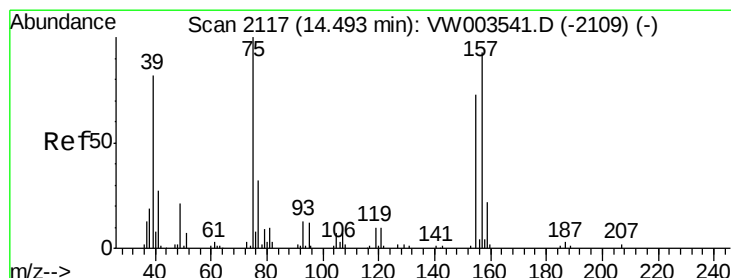
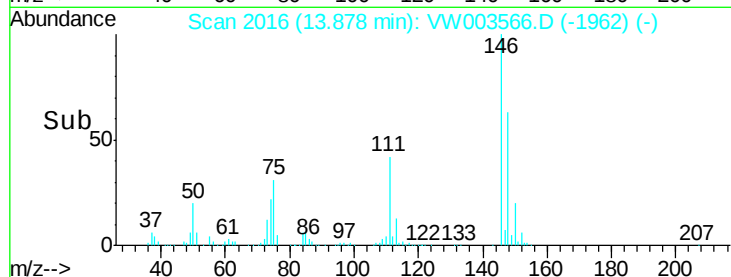
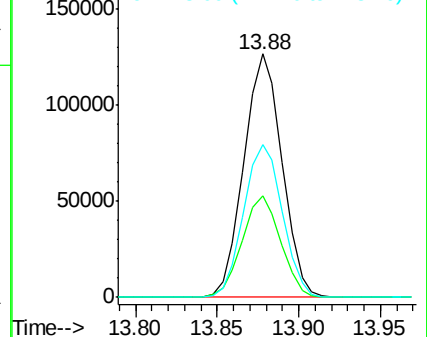
148 62.9 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 30.121 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

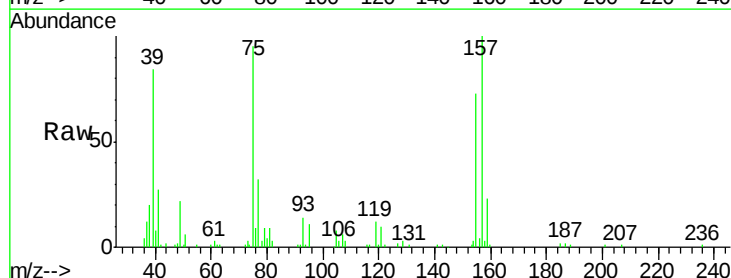
Tgt Ion: 75 Resp: 20494

Ion Ratio Lower Upper

75 100

157 105.1 70.7 106.1

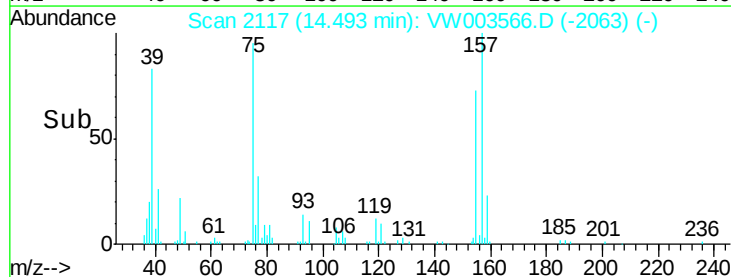
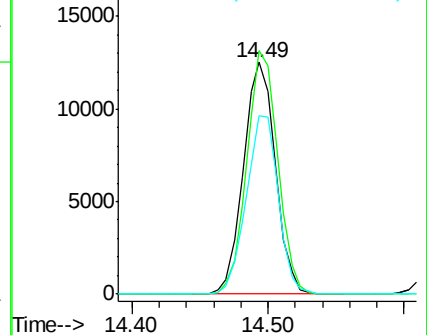
155 76.8 59.0 88.6

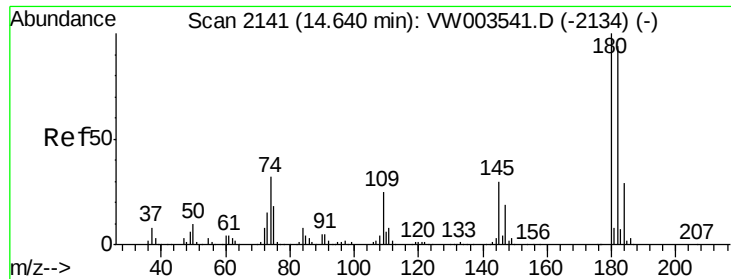


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

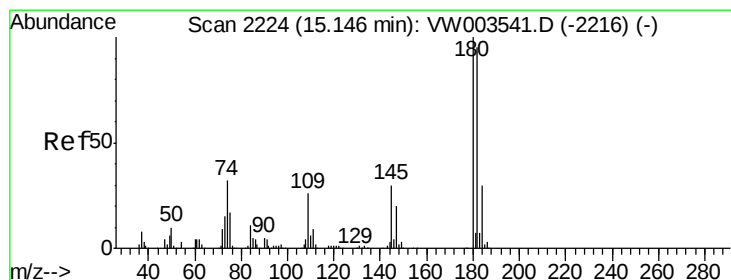
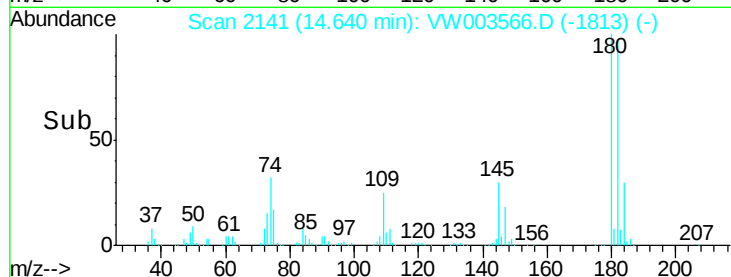
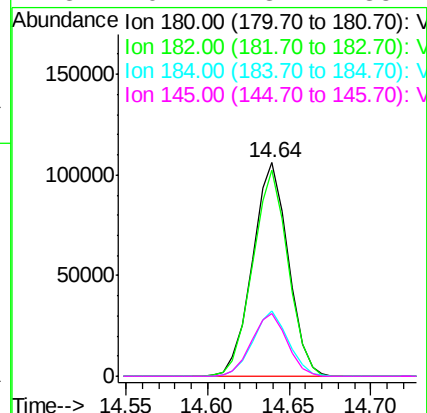
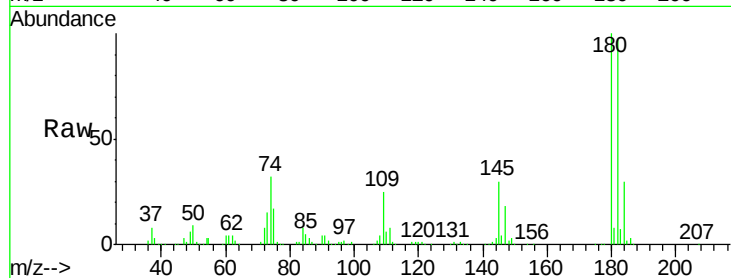




#67
 1,3,5-Trichlorobenzene
 Concen: 25.616 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003566.D
 Acq: 26 Jun 2018 01:38

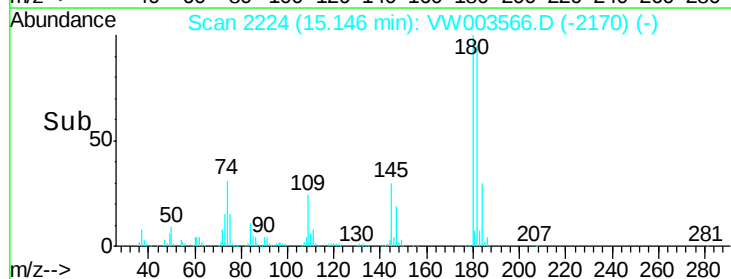
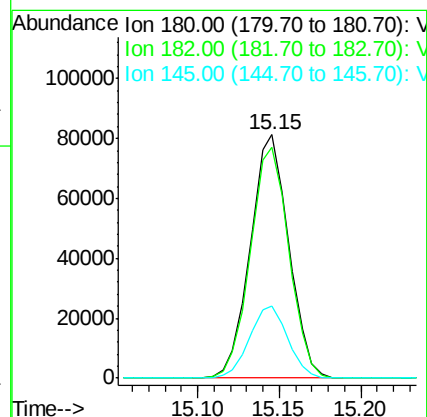
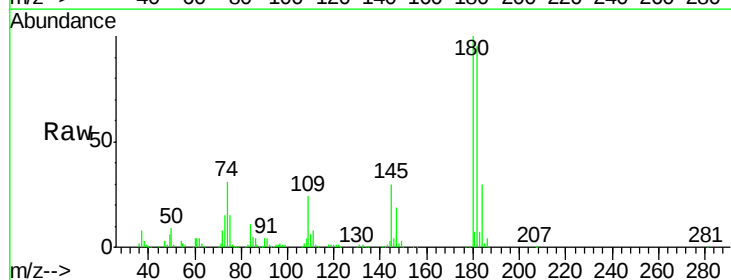
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

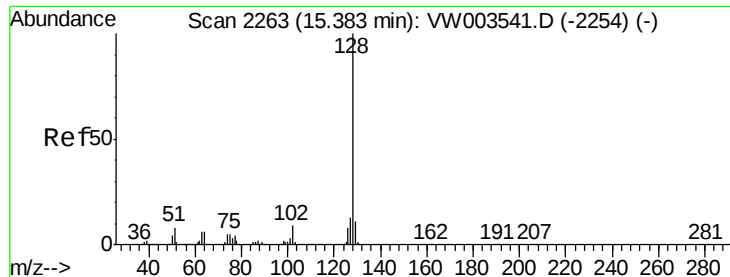
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.9	113.9
184	30.2	24.5	36.7
145	29.4	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 25.951 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003566.D
 Acq: 26 Jun 2018 01:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.8	112.2
145	29.7	23.6	35.4





#69

Naphthalene

Concen: 30.678 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

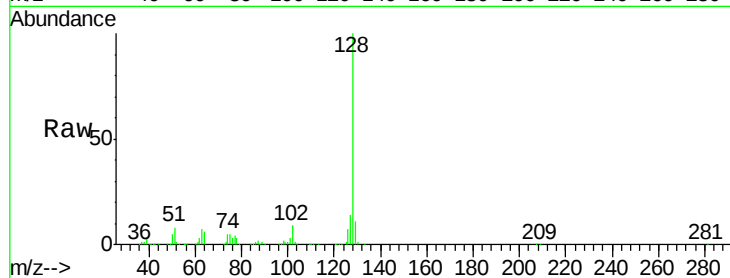
Tgt Ion:128 Resp: 294865

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

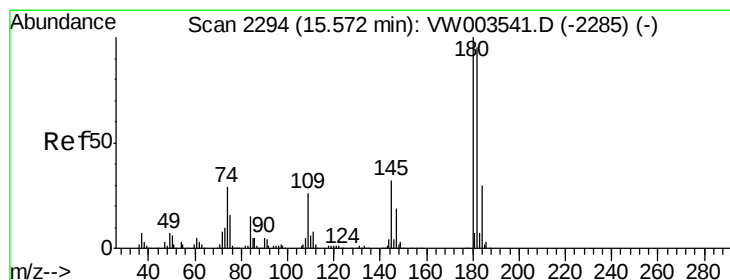
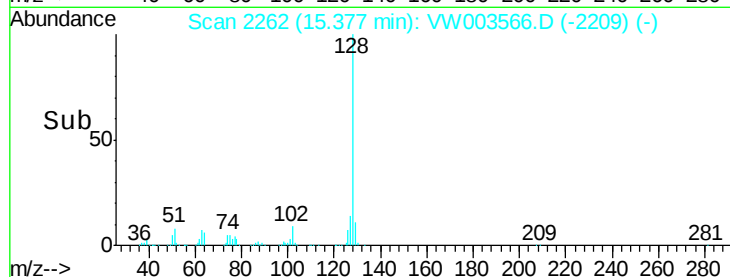
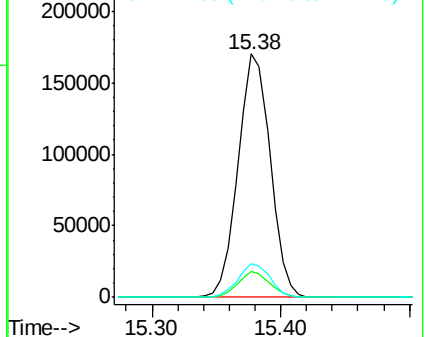
127 13.9 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.160 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003566.D

Acq: 26 Jun 2018 01:38

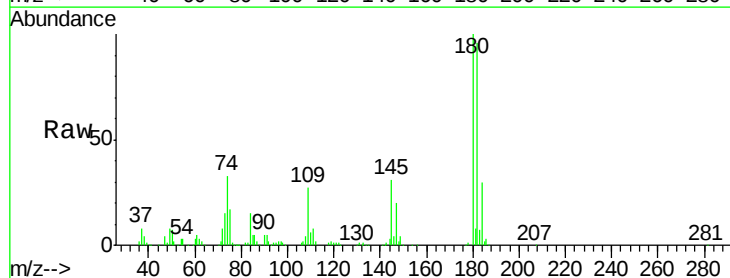
Tgt Ion:180 Resp: 132577

Ion Ratio Lower Upper

180 100

182 94.0 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

