

Data File : VW007168.D
Acq On : 03 Dec 2018 19:20
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

Quant Time: Dec 04 03:18:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 04 03:14:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	146265	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	141586	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	70788	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	25361	20.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.52%
7) Chloroethane-d5	2.89	69	19986	22.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.60%
10) 1,1-Dichloroethene-d2	4.03	63	70230	21.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.64%
20) 2-Butanone-d5	7.09	46	27244	54.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.14%
24) Chloroform-d	7.65	84	65680	21.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.76%
26) 1,2-Dichloroethane-d4	8.30	65	40845	23.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.12%
29) Benzene-d6	8.28	84	147995	22.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.00%
33) 1,2-Dichloropropane-d6	9.28	67	42683	22.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.60%
37) Toluene-d8	10.33	98	155310	21.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.32%
38) trans-1,3-Dichloropropene-	10.58	79	21051	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.36%
39) 2-Hexanone-d5	10.93	63	25381	56.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	44557	25.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	60367	22.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	67175	25.129 ug/L	99
3) Chloromethane	2.22	50	43006	23.034 ug/L	99
5) Vinyl chloride	2.36	62	42632	25.507 ug/L	99
6) Bromomethane	2.78	94	25088	26.165 ug/L	96
8) Chloroethane	2.92	64	23301	25.871 ug/L	96
9) Trichlorofluoromethane	3.27	101	77435	24.728 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	45929	24.854 ug/L	98
12) 1,1-Dichloroethene	4.04	96	41104	25.245 ug/L	97
13) Acetone	4.13	43	20540	58.182 ug/L	97
14) Carbon disulfide	4.39	76	135601	23.532 ug/L	98
15) Methyl Acetate	4.68	43	24254	27.707 ug/L	100
16) Methylene chloride	4.93	84	52860	22.606 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	112299	26.835 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	45357	25.194 ug/L	99
19) 1,1-Dichloroethane	6.22	63	75122	25.226 ug/L	99
21) 2-Butanone	7.18	43	31130	57.440 ug/L	98
22) cis-1,2-Dichloroethene	7.18	96	48789	25.344 ug/L	93

Data File : VW007168.D
Acq On : 03 Dec 2018 19:20
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

Quant Time: Dec 04 03:18:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 04 03:14:20 2018
Response via : Initial Calibration

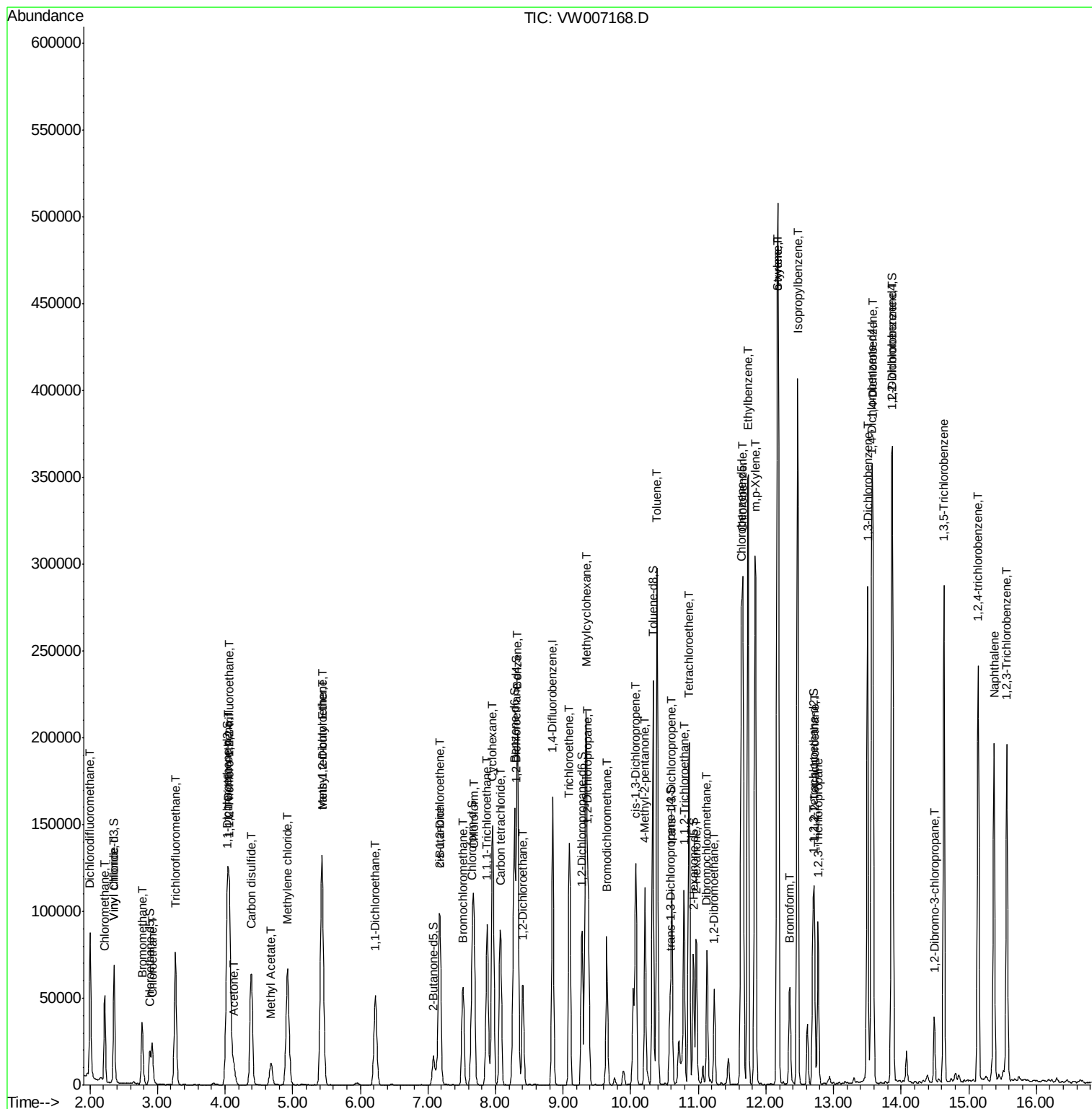
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	21290	25.417	ug/L	89
25) Chloroform	7.68	83	85928	26.596	ug/L	99
27) 1,2-Dichloroethane	8.40	62	54799	25.567	ug/L	100
30) Cyclohexane	7.96	56	77022	24.958	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	76960	26.250	ug/L	99
32) Carbon tetrachloride	8.07	117	68816	25.862	ug/L	99
34) Benzene	8.33	78	182371	24.857	ug/L	100
35) Trichloroethene	9.09	95	50177	25.225	ug/L	100
36) Methylcyclohexane	9.34	83	93399	25.287	ug/L	97
40) 1,2-Dichloropropane	9.37	63	44172	25.100	ug/L	100
41) Bromodichloromethane	9.65	83	57990	25.169	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	70288	25.147	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	70879	54.429	ug/L	99
44) Toluene	10.39	91	222641	25.325	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	61286	24.956	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	36269	26.170	ug/L	97
47) Tetrachloroethene	10.87	164	44335	25.514	ug/L	98
49) 2-Hexanone	10.97	43	52200	59.216	ug/L	99
50) Dibromochloromethane	11.13	129	42747	25.323	ug/L	100
51) 1,2-Dibromoethane	11.24	107	36686	26.123	ug/L #	99
52) Chlorobenzene	11.66	112	146421	25.263	ug/L	97
53) Ethylbenzene	11.74	91	260736	25.582	ug/L	100
54) m,p-Xylene	11.84	106	100396	25.245	ug/L	97
55) o-xylene	12.17	106	94917	25.737	ug/L	99
56) Styrene	12.18	104	160655	25.760	ug/L	98
57) Isopropylbenzene	12.47	105	263151	25.660	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	46931	26.648	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	37575	27.301	ug/L	98
62) Bromoform	12.35	173	25922	26.744	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	119540	25.662	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	117284	25.031	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	110959	26.031	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	9971	28.846	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	87139	24.908	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	74049	24.899	ug/L	99
69) Naphthalene	15.38	128	173904	27.463	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	65773	25.345	ug/L	98

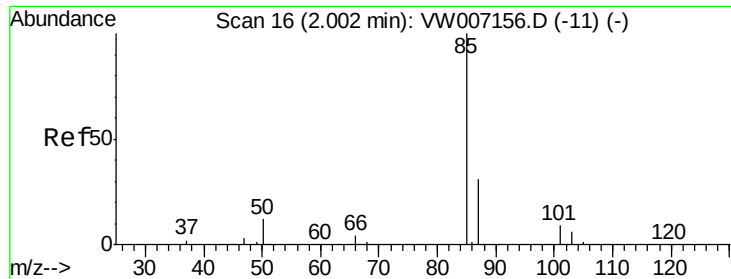
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW007168.D
Acq On : 03 Dec 2018 19:20
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

Quant Time: Dec 04 03:18:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 04 03:14:20 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.129 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

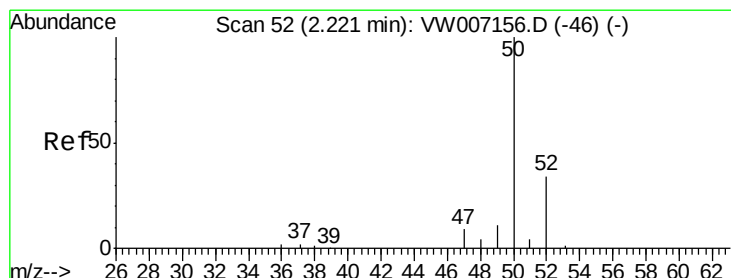
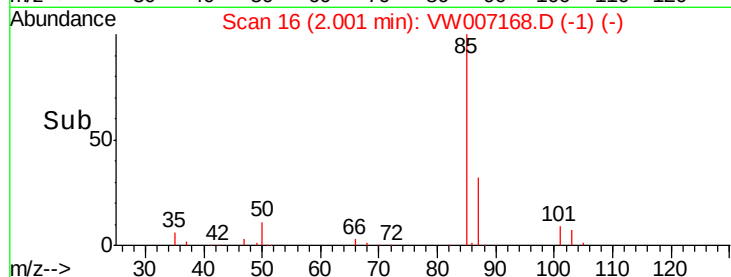
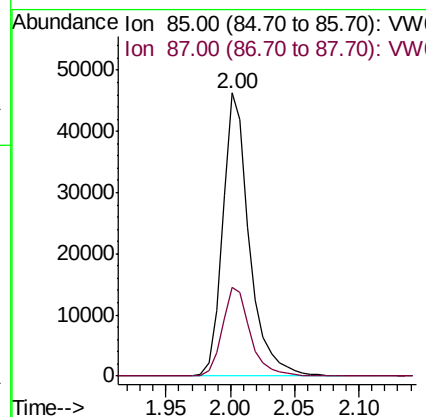
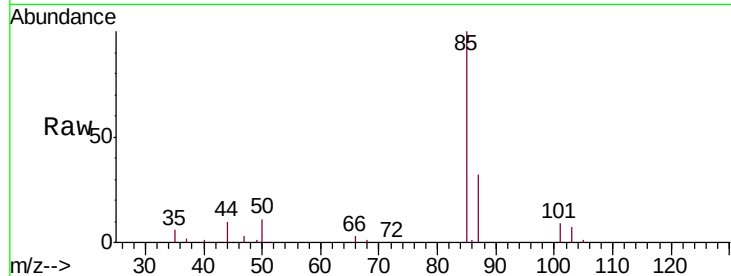
VSTD02591

Tgt Ion: 85 Resp: 67175

Ion Ratio Lower Upper

85 100

87 32.9 22.5 41.9



#3

Chloromethane

Concen: 23.034 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007168.D

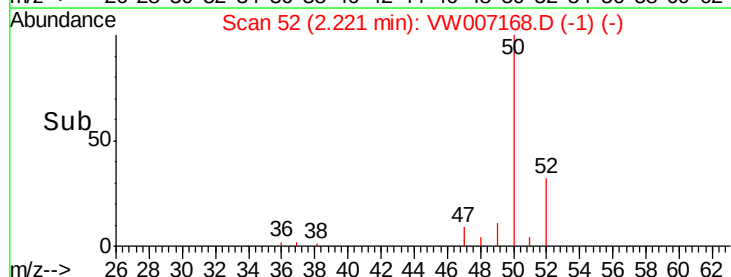
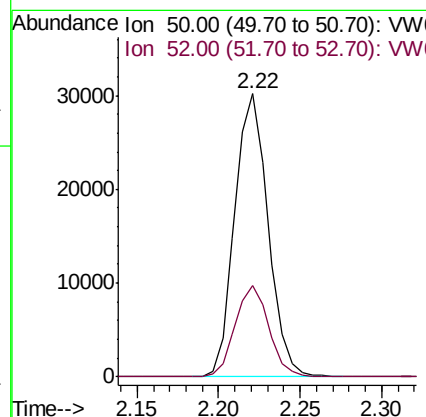
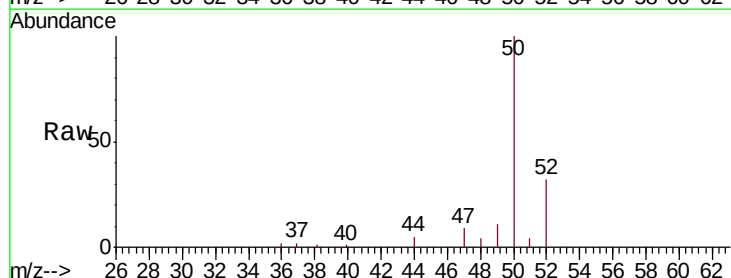
Acq: 03 Dec 2018 19:20

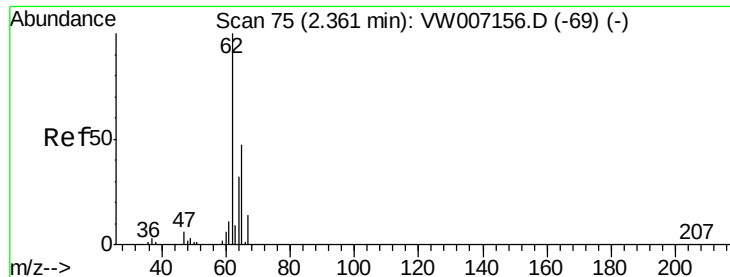
Tgt Ion: 50 Resp: 43006

Ion Ratio Lower Upper

50 100

52 32.1 23.0 42.6





#5

Vinyl chloride

Concen: 25.507 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

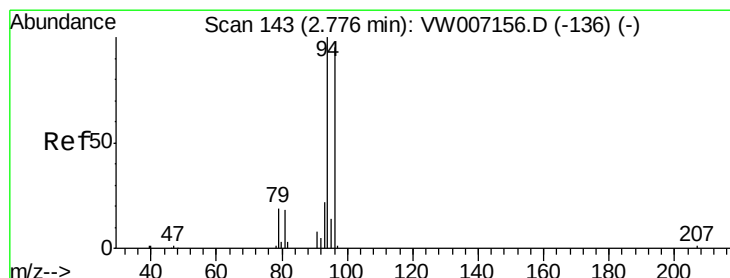
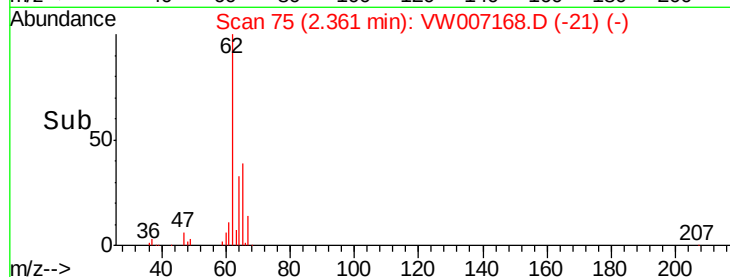
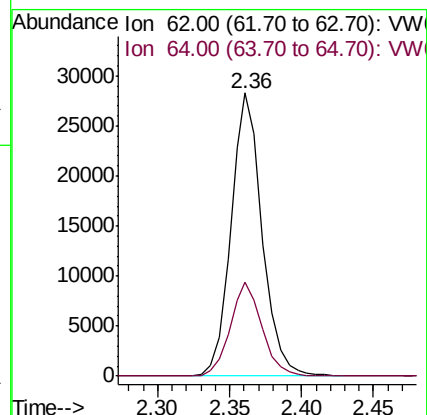
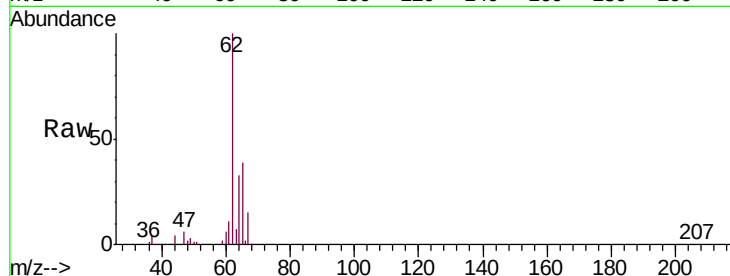
VSTD02591

Tgt Ion: 62 Resp: 42632

Ion Ratio Lower Upper

62 100

64 33.2 23.5 43.7



#6

Bromomethane

Concen: 26.165 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007168.D

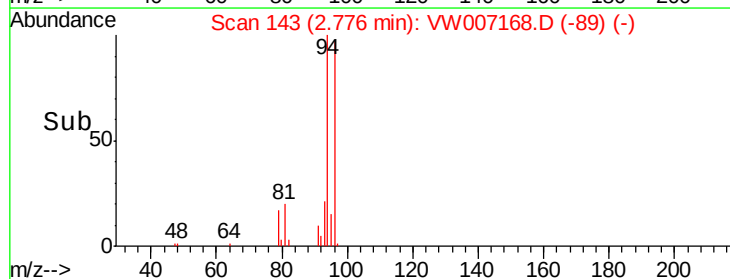
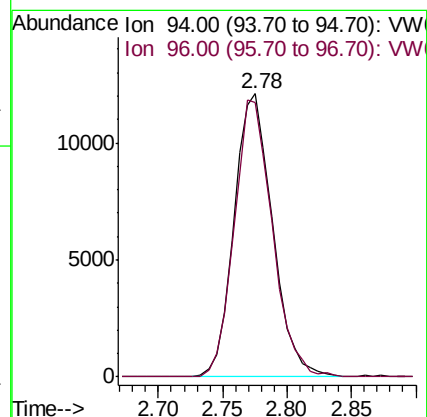
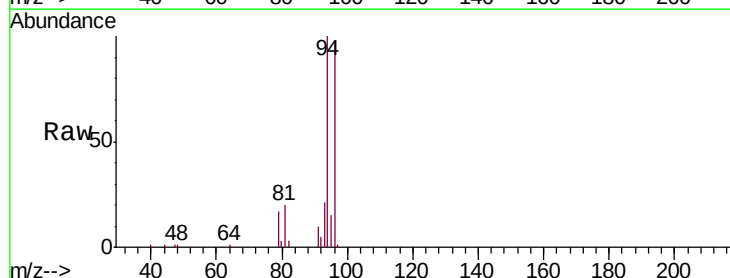
Acq: 03 Dec 2018 19:20

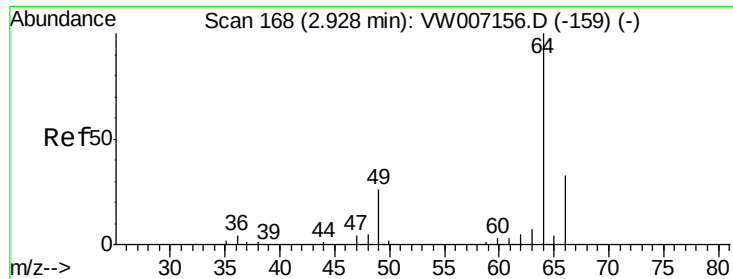
Tgt Ion: 94 Resp: 25088

Ion Ratio Lower Upper

94 100

96 96.9 9.3 176.7





#8

Chloroethane

Concen: 25.871 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

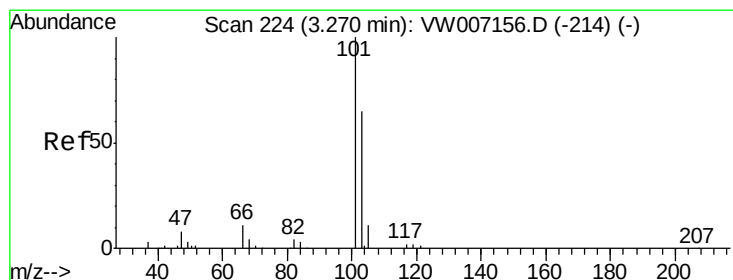
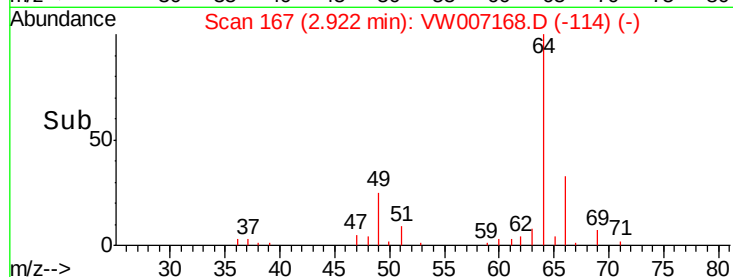
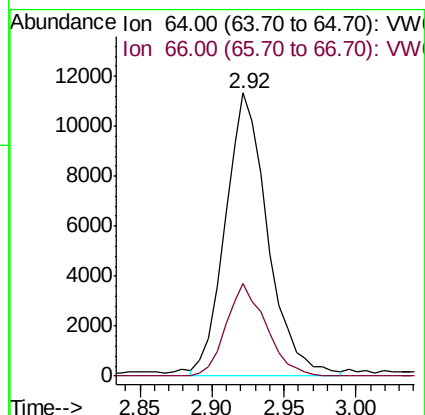
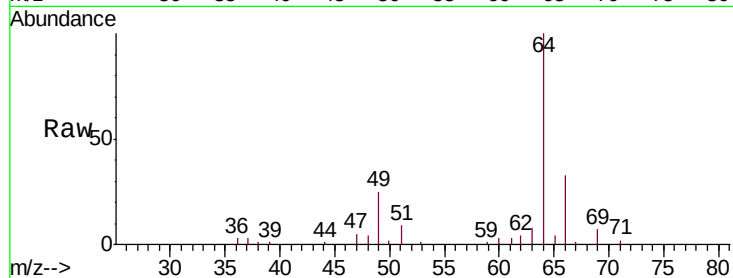
VSTD02591

Tgt Ion: 64 Resp: 23301

Ion Ratio Lower Upper

64 100

66 32.7 21.4 39.8



#9

Trichlorofluoromethane

Concen: 24.728 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW007168.D

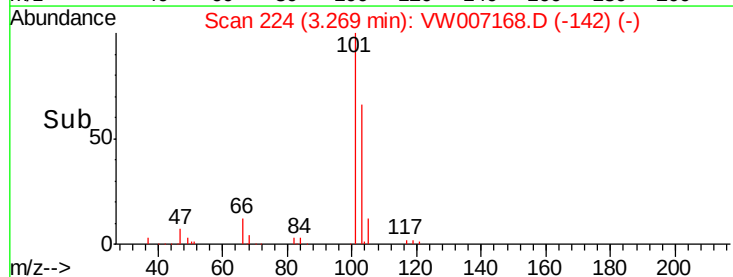
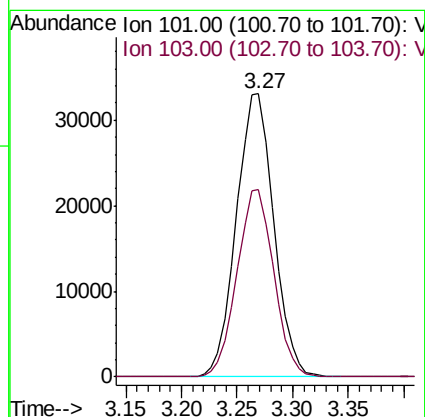
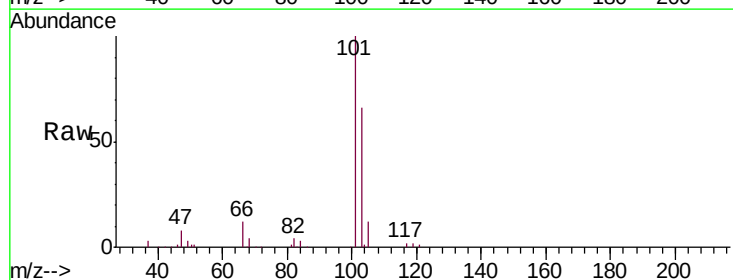
Acq: 03 Dec 2018 19:20

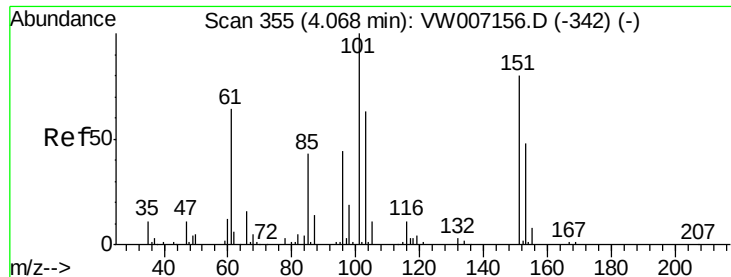
Tgt Ion: 101 Resp: 77435

Ion Ratio Lower Upper

101 100

103 65.0 44.4 82.4





#11

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

Concen: 24.854 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

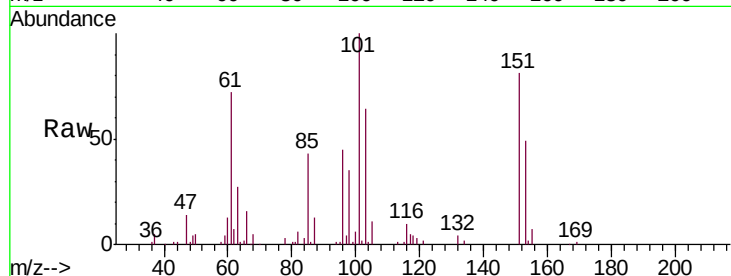
Tgt Ion: 101 Resp: 45929

Ion Ratio Lower Upper

101 100

85 43.9 34.8 52.2

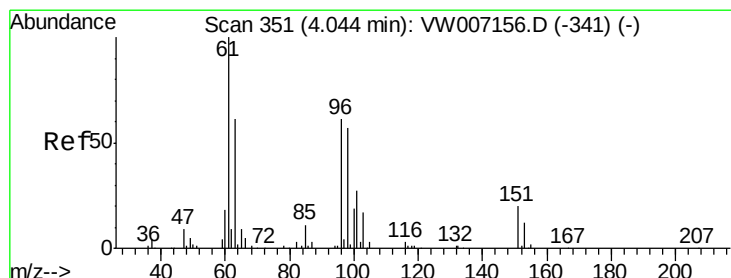
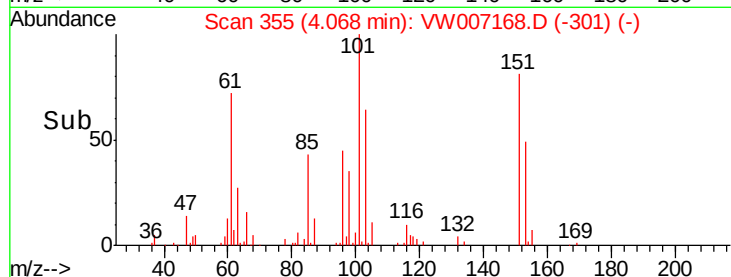
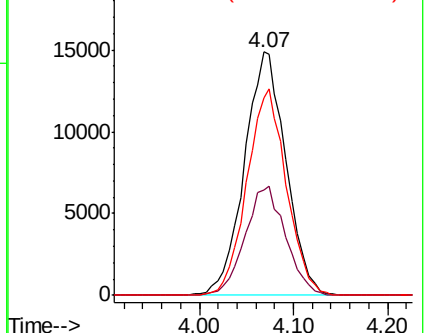
151 80.7 62.8 94.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.245 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

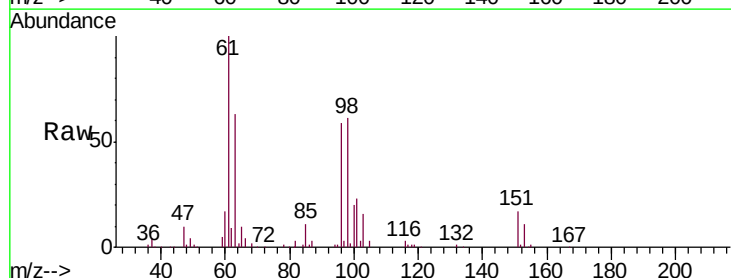
Tgt Ion: 96 Resp: 41104

Ion Ratio Lower Upper

96 100

61 169.3 114.9 213.5

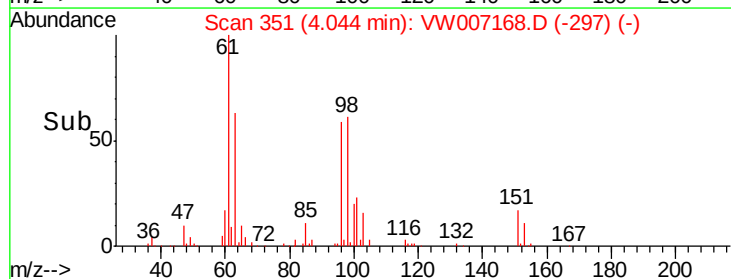
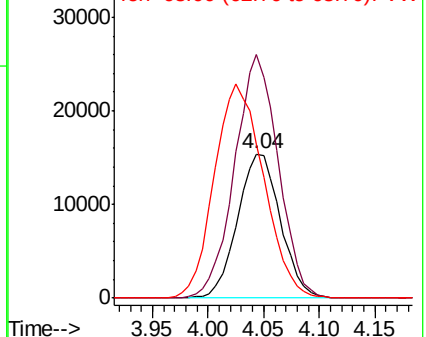
63 107.1 73.1 135.7

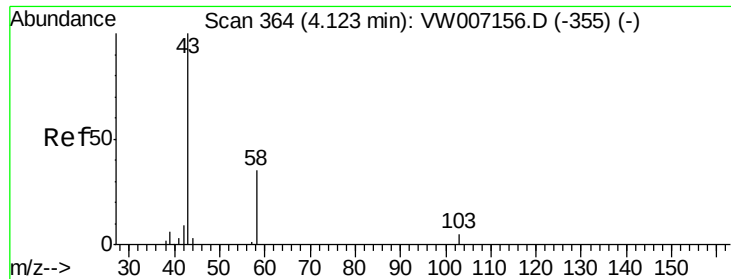


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 58.182 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

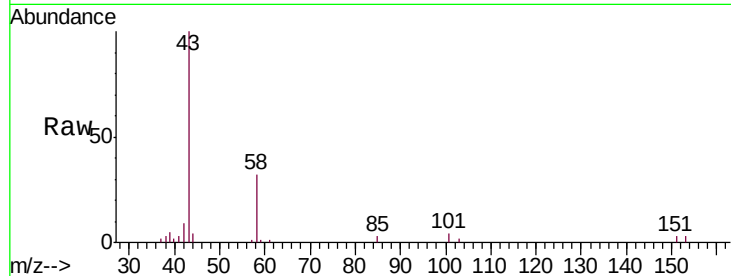
VSTD02591

Tgt Ion: 43 Resp: 20540

Ion Ratio Lower Upper

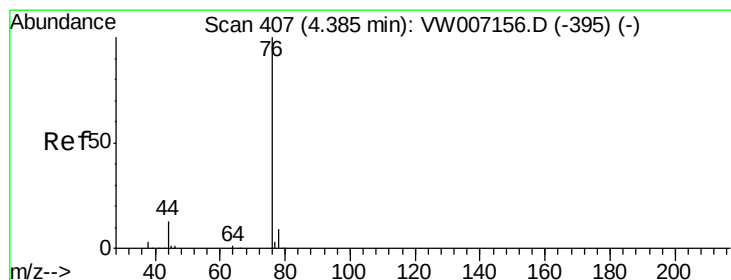
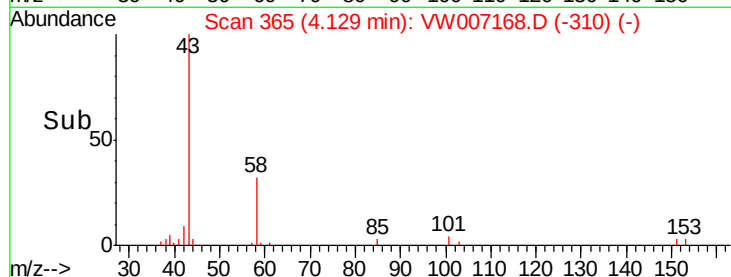
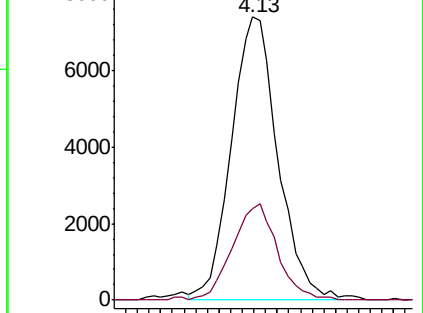
43 100

58 32.7 0.0 62.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.532 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW007168.D

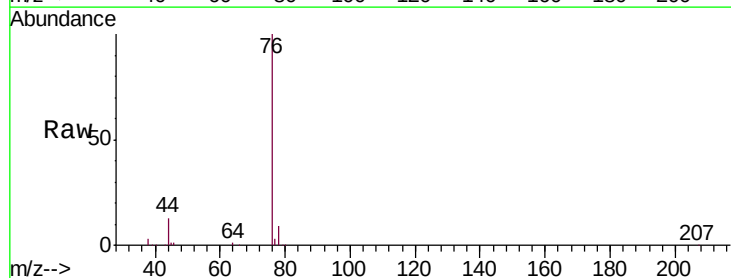
Acq: 03 Dec 2018 19:20

Tgt Ion: 76 Resp: 135601

Ion Ratio Lower Upper

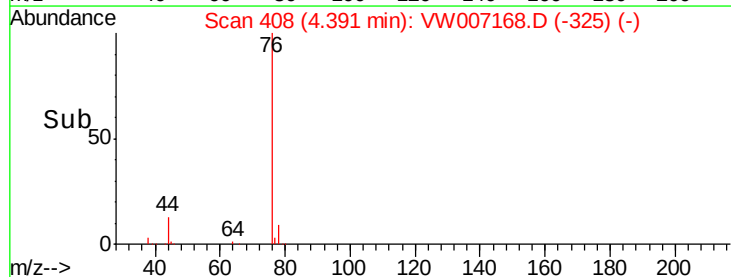
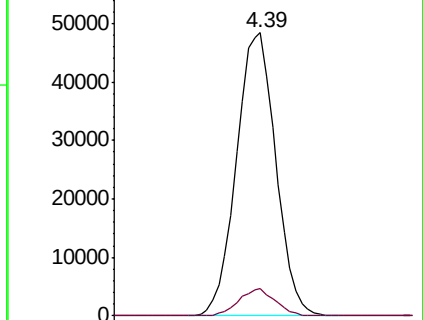
76 100

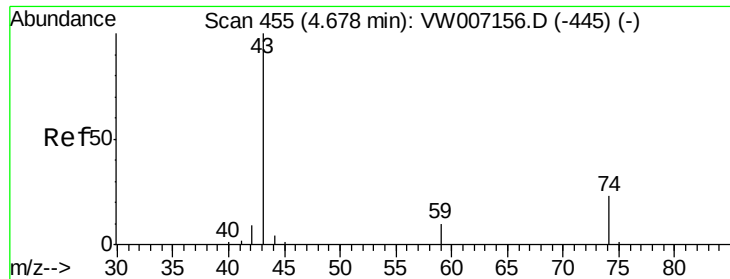
78 9.5 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

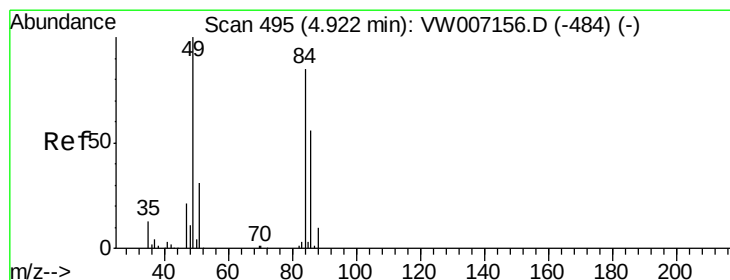
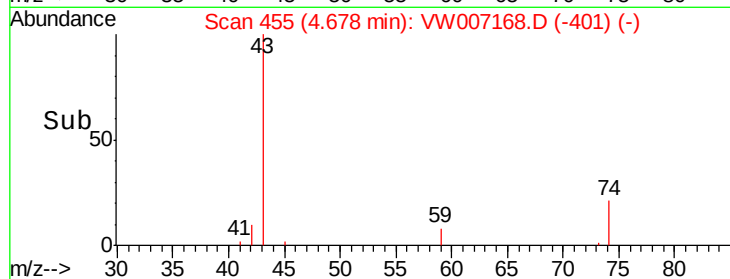
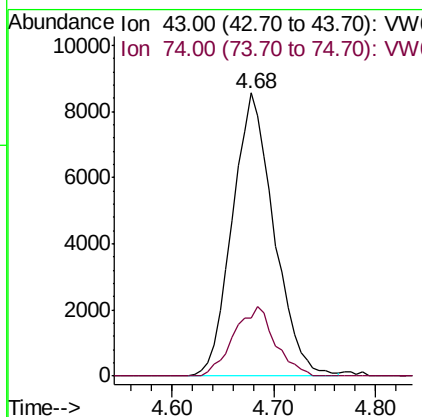
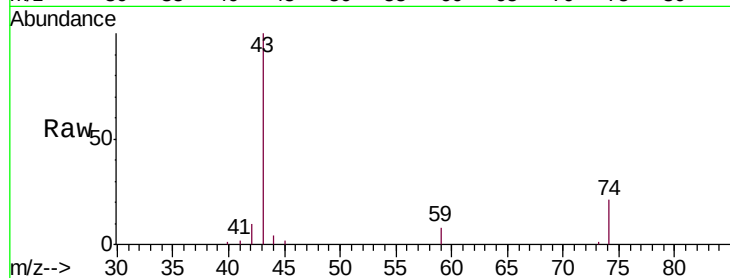




#15
Methyl Acetate
Concen: 27.707 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW007168.D
Acq: 03 Dec 2018 19:20

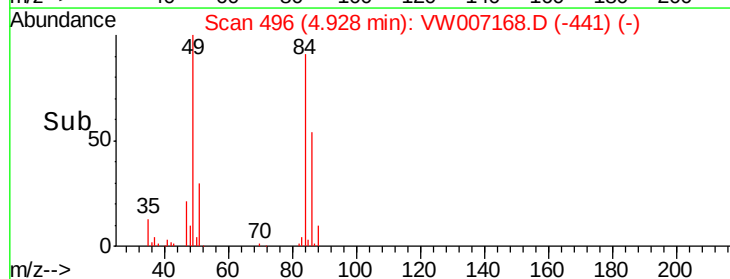
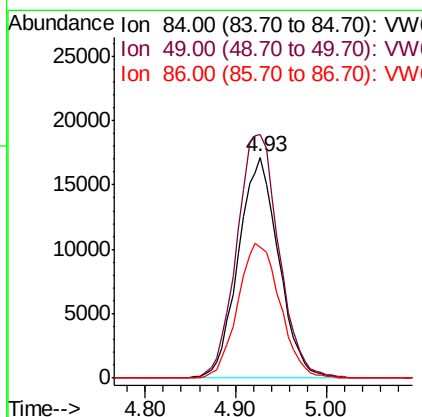
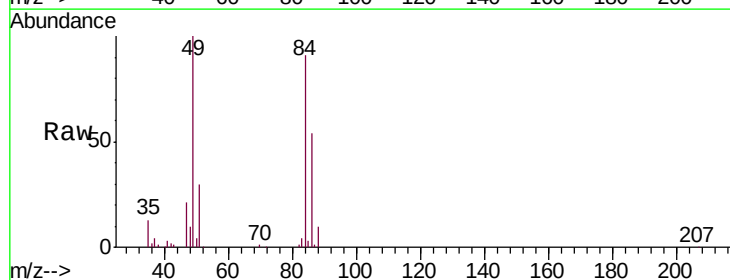
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

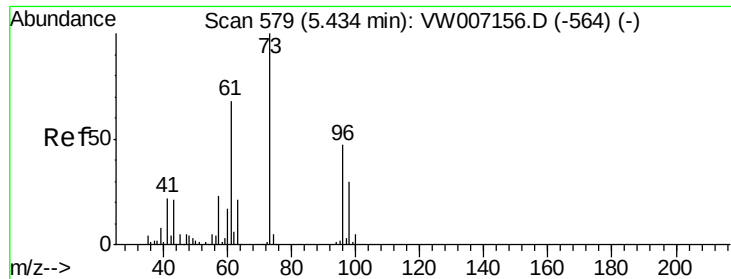
Tgt Ion: 43 Resp: 24254
Ion Ratio Lower Upper
43 100
74 24.3 19.3 28.9



#16
Methylene chloride
Concen: 22.606 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW007168.D
Acq: 03 Dec 2018 19:20

Tgt Ion: 84 Resp: 52860
Ion Ratio Lower Upper
84 100
49 110.3 80.9 150.3
86 59.4 42.8 79.6

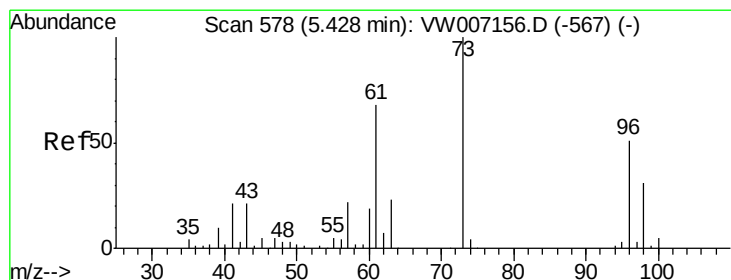
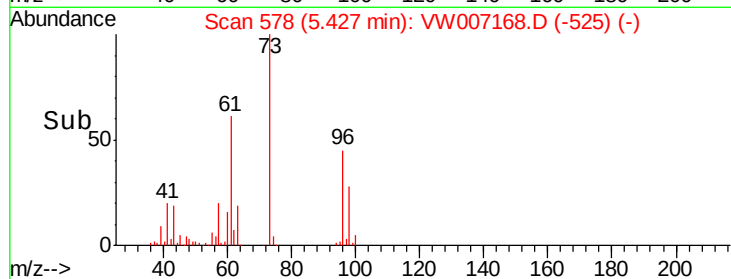
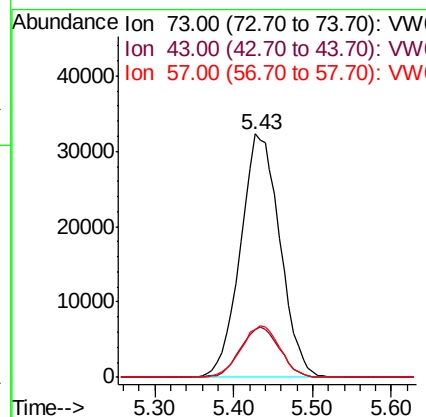
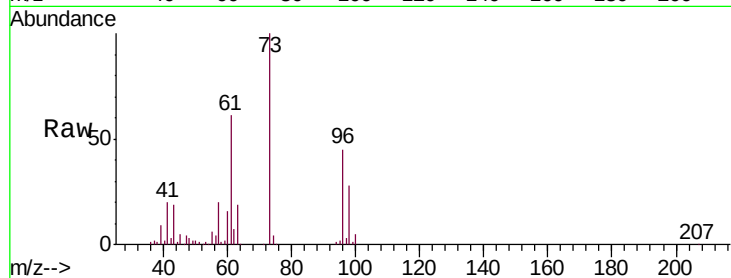




#17
Methyl tert-butyl Ether
Concen: 26.835 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007168.D
Acq: 03 Dec 2018 19:20

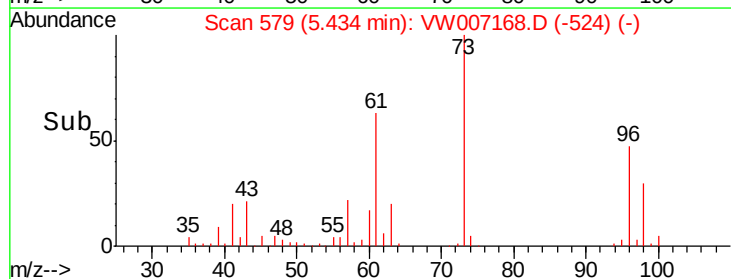
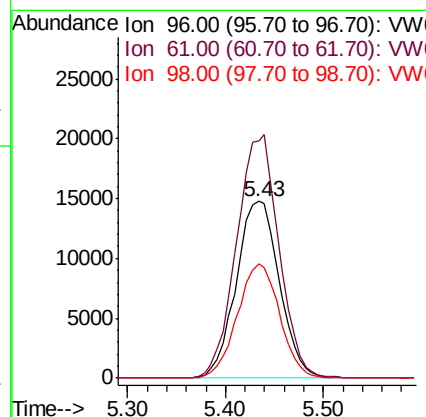
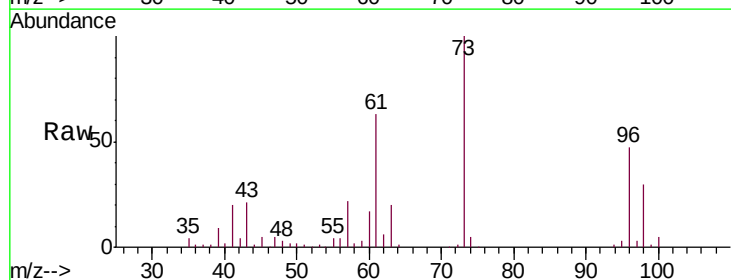
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

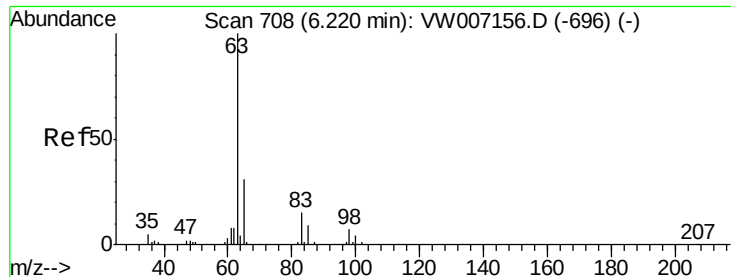
Tgt Ion: 73 Resp: 112299
Ion Ratio Lower Upper
73 100
43 20.6 16.3 24.5
57 21.1 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 25.194 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW007168.D
Acq: 03 Dec 2018 19:20

Tgt Ion: 96 Resp: 45357
Ion Ratio Lower Upper
96 100
61 134.6 94.8 176.2
98 64.8 44.9 83.5

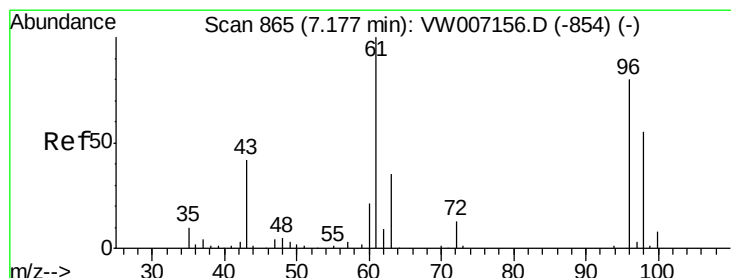
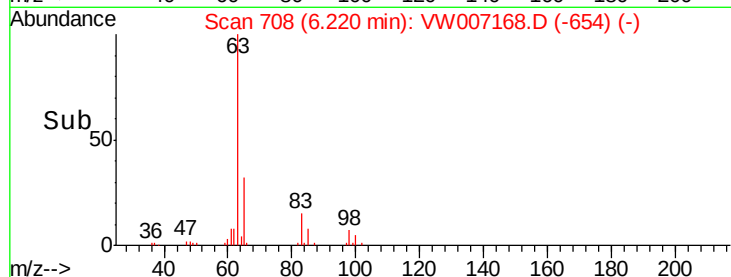
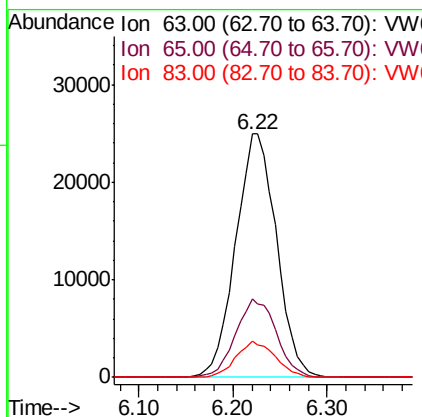
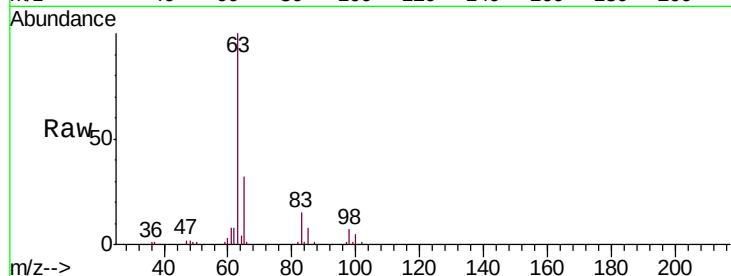




#19
 1,1-Dichloroethane
 Concen: 25.226 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

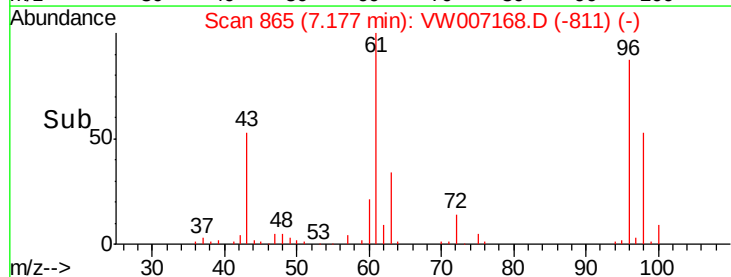
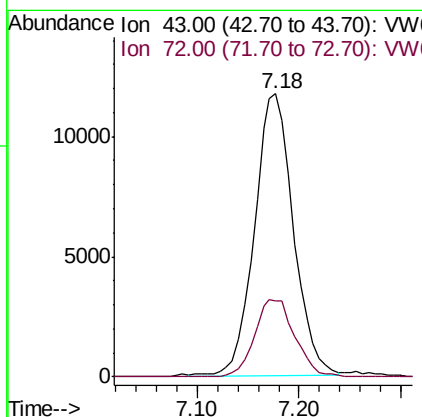
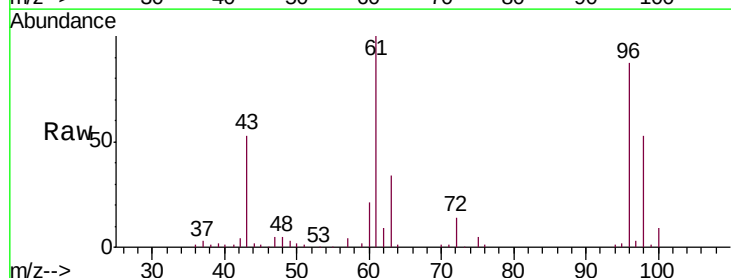
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

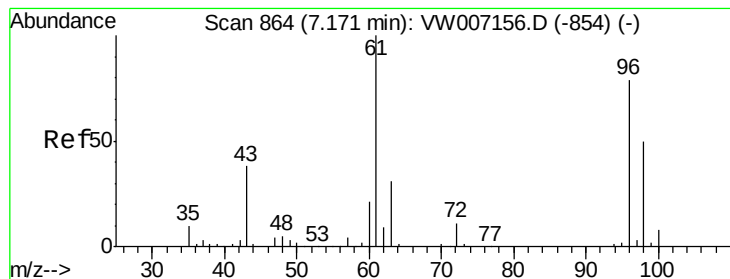
Tgt Ion: 63 Resp: 75122
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.4 41.6
 83 14.7 9.7 17.9



#21
 2-Butanone
 Concen: 57.440 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

Tgt Ion: 43 Resp: 31130
 Ion Ratio Lower Upper
 43 100
 72 27.9 13.5 40.5



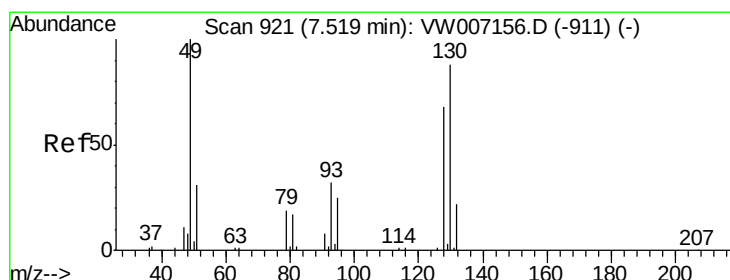
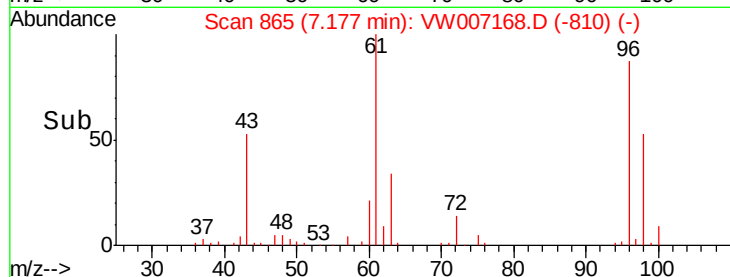
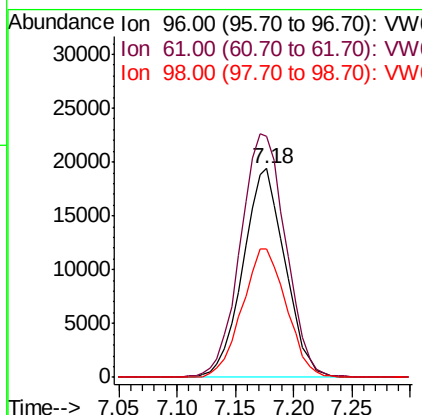
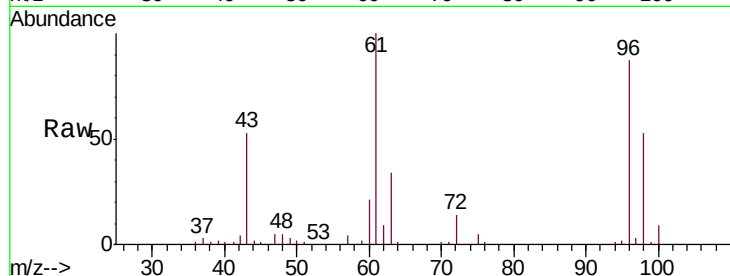


#22

cis-1,2-Dichloroethene
Concen: 25.344 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007168.D
Acq: 03 Dec 2018 19:20

Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

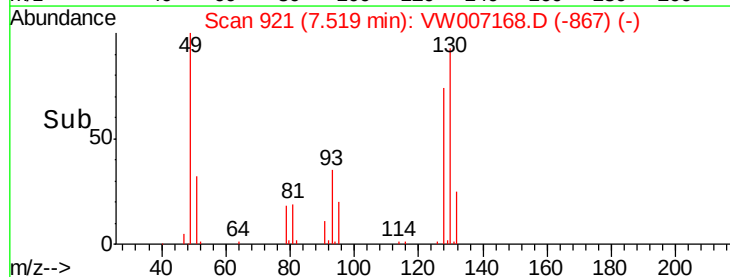
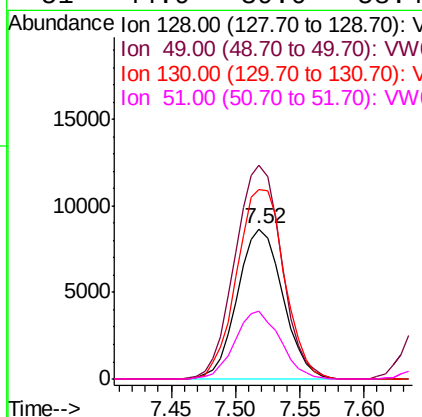
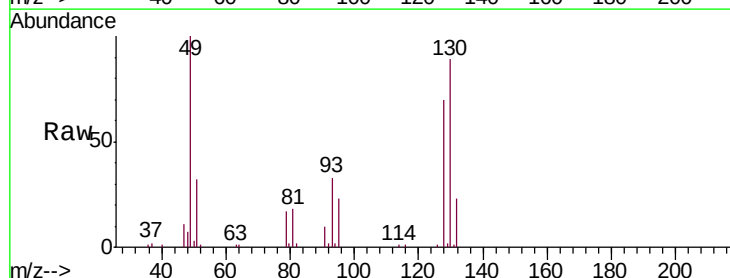
Tgt Ion: 96 Resp: 48789
Ion Ratio Lower Upper
96 100
61 115.3 87.3 162.1
98 61.5 45.2 84.0

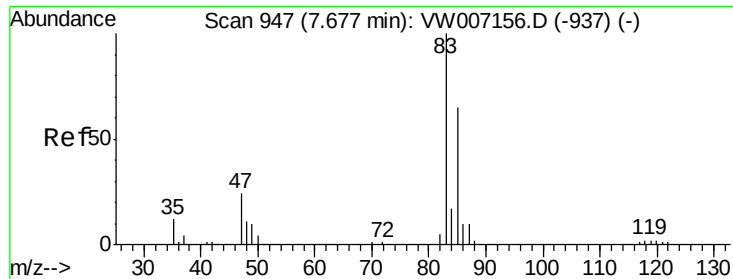


#23

Bromochloromethane
Concen: 25.417 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW007168.D
Acq: 03 Dec 2018 19:20

Tgt Ion: 128 Resp: 21290
Ion Ratio Lower Upper
128 100
49 142.0 109.9 204.1
130 126.3 98.2 182.4
51 44.9 39.0 58.4

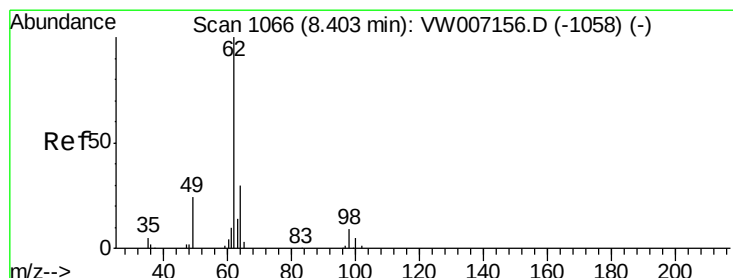
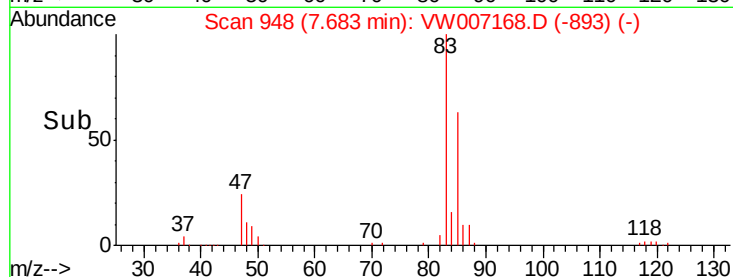
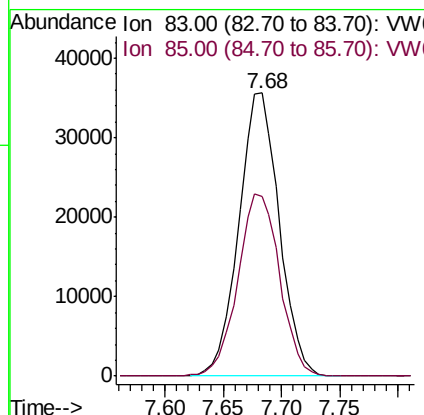
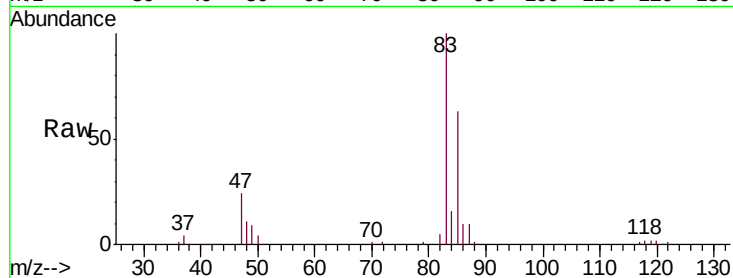




#25
Chloroform
Concen: 26.596 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW007168.D
Acq: 03 Dec 2018 19:20

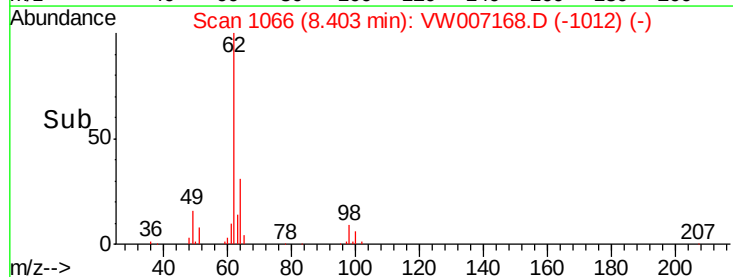
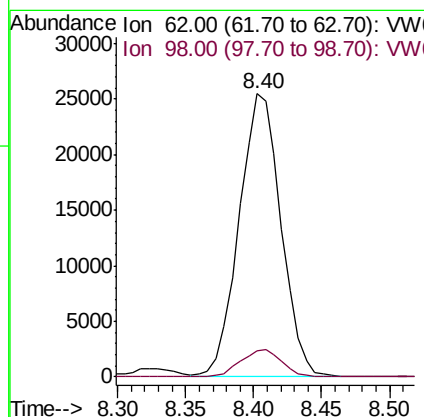
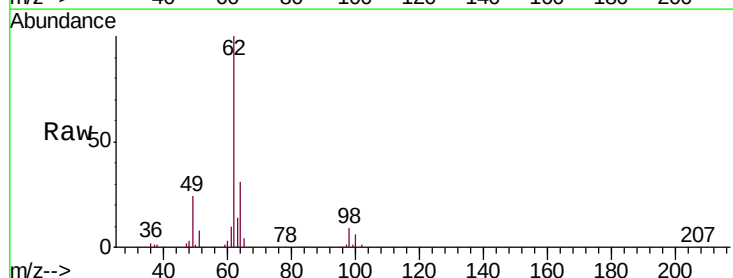
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

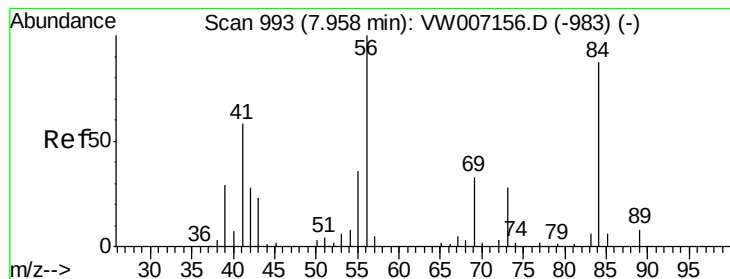
Tgt Ion: 83 Resp: 85928
Ion Ratio Lower Upper
83 100
85 66.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 25.567 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007168.D
Acq: 03 Dec 2018 19:20

Tgt Ion: 62 Resp: 54799
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2





#30

Cyclohexane

Concen: 24.958 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

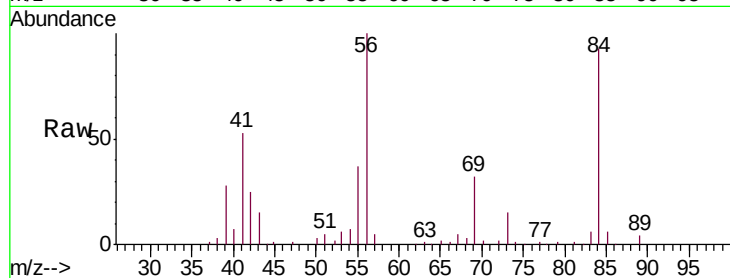
Tgt Ion: 56 Resp: 77022

Ion Ratio Lower Upper

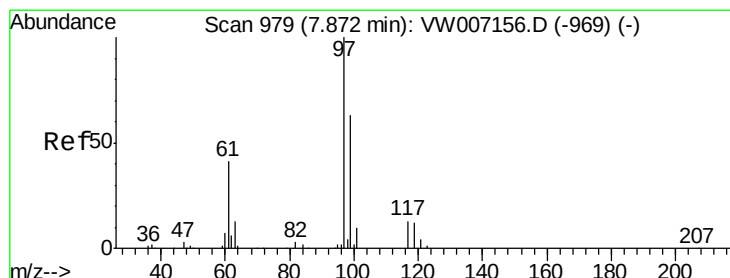
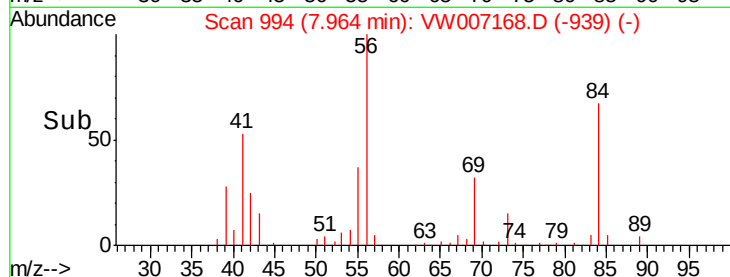
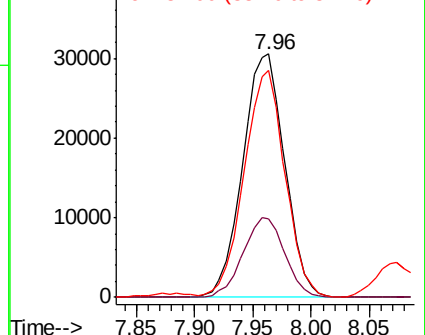
56 100

69 32.2 26.1 39.1

84 90.8 73.0 109.4



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: 26.250 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

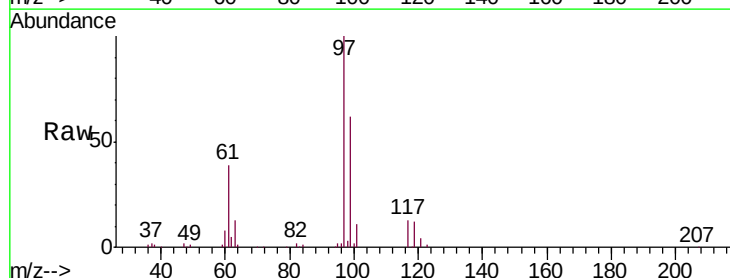
Tgt Ion: 97 Resp: 76960

Ion Ratio Lower Upper

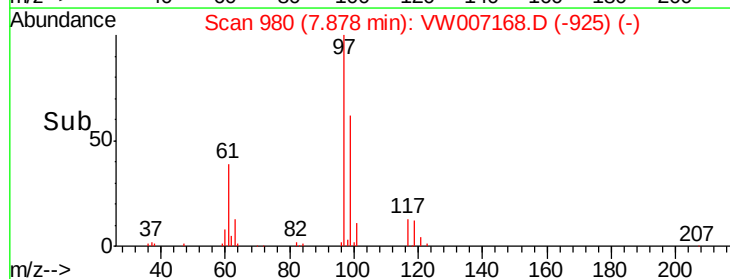
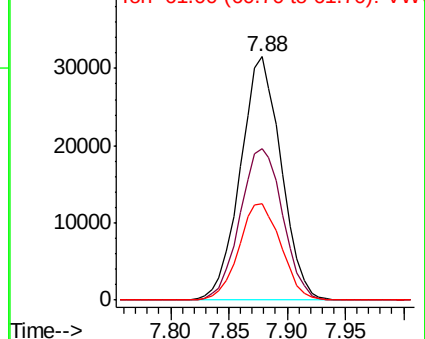
97 100

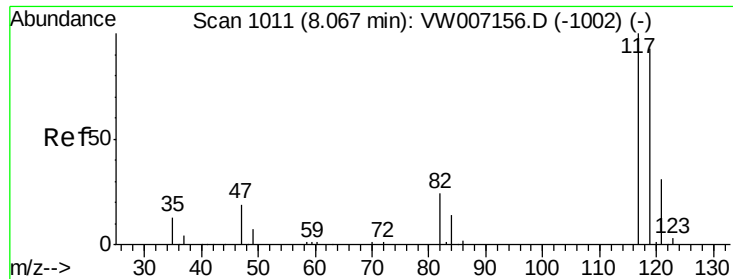
99 65.2 51.9 77.9

61 40.8 33.4 50.0



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: 25.862 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

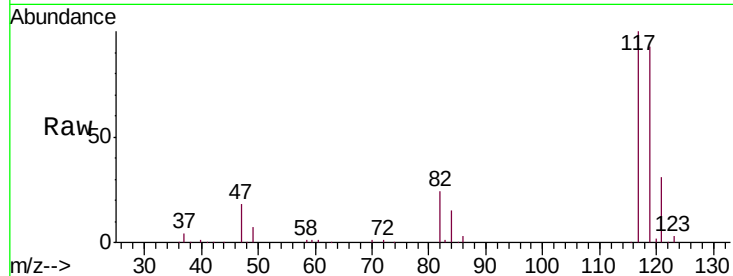
VSTD02591

Tgt Ion:117 Resp: 68816

Ion Ratio Lower Upper

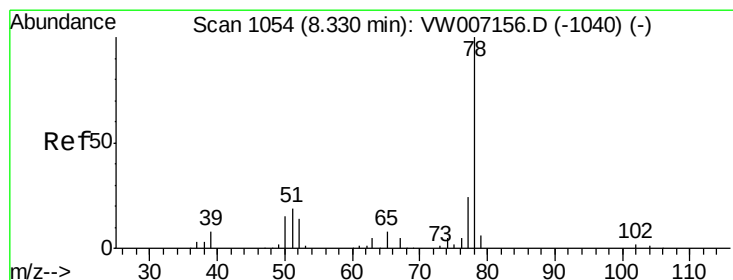
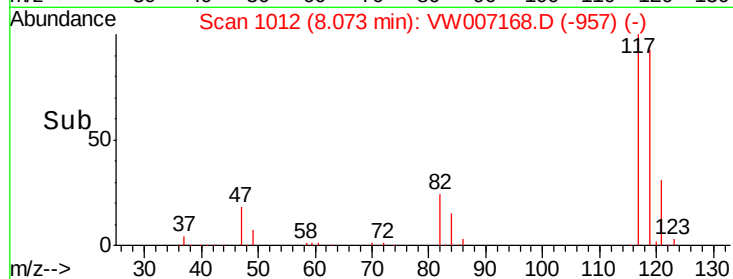
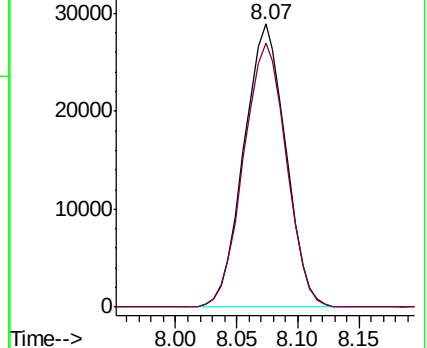
117 100

119 95.3 75.5 113.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.857 ug/L

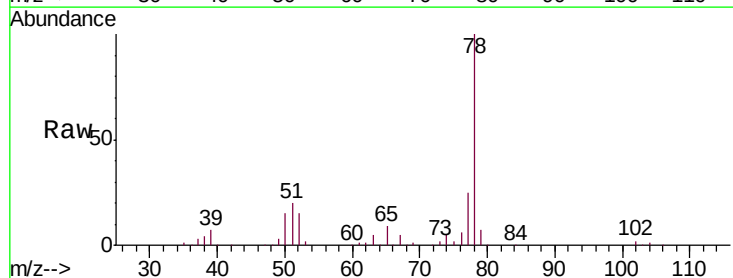
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

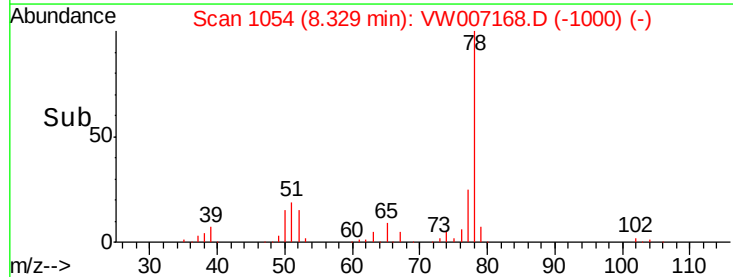
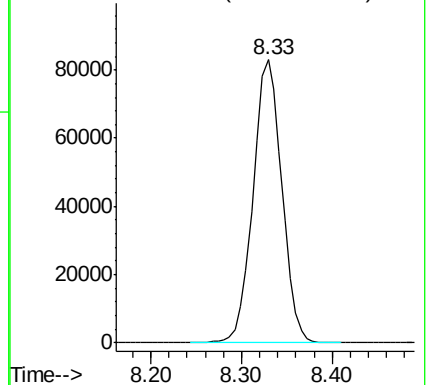
Lab File: VW007168.D

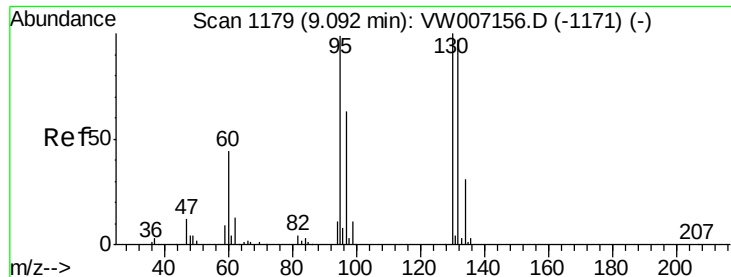
Acq: 03 Dec 2018 19:20

Tgt Ion: 78 Resp: 182371



Abundance Ion 78.00 (77.70 to 78.70): VW

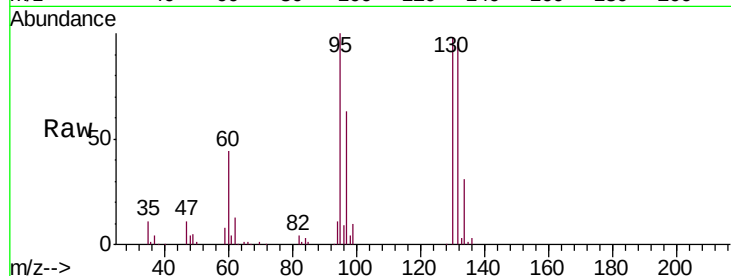




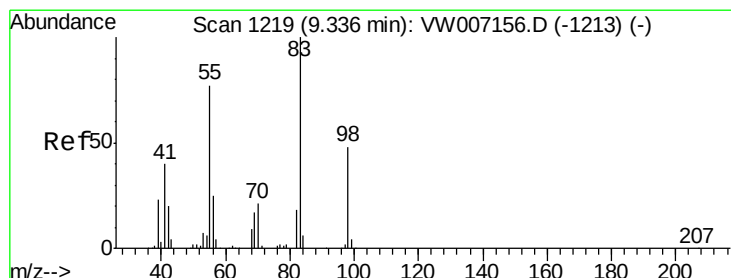
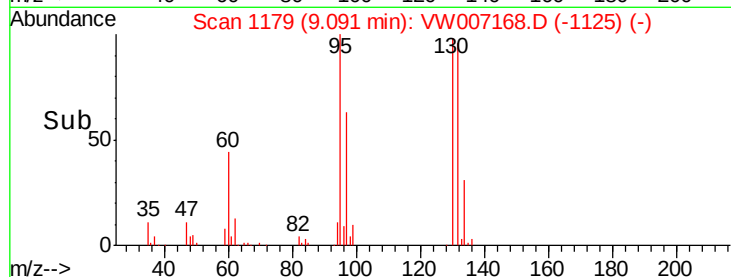
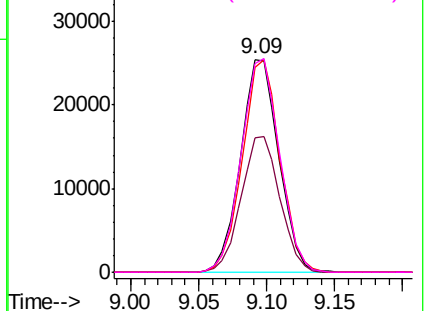
#35
 Trichloroethene
 Concen: 25.225 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

Tgt Ion:	95	Resp:	50177
Ion	Ratio	Lower	Upper
95	100		
97	64.5	44.7	83.1
132	97.6	68.2	126.6
130	100.8	70.9	131.7

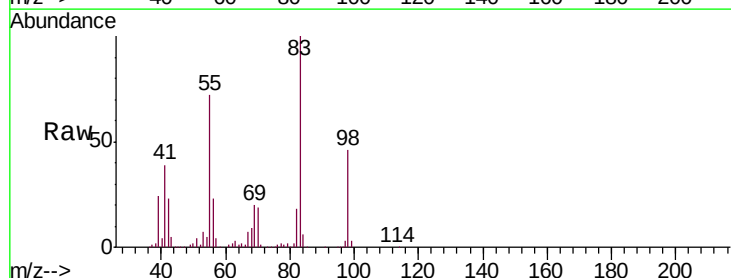


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

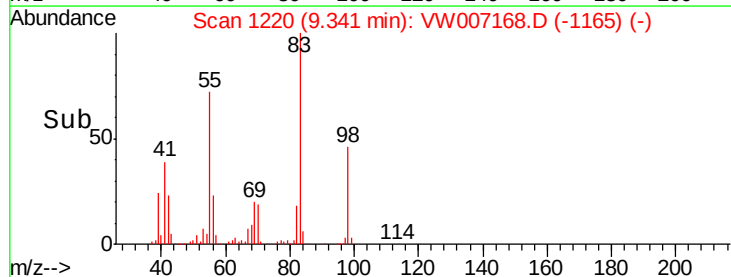
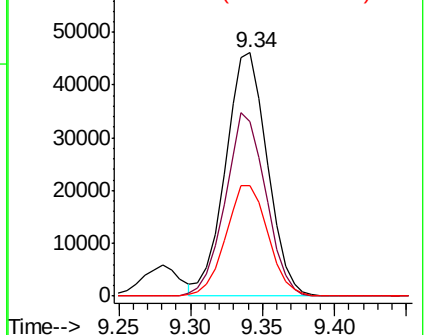


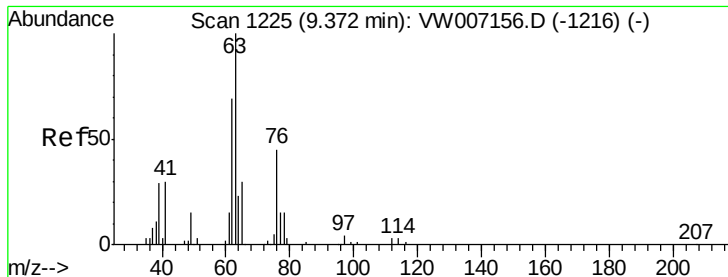
#36
 Methylcyclohexane
 Concen: 25.287 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

Tgt Ion:	83	Resp:	93399
Ion	Ratio	Lower	Upper
83	100		
55	73.2	60.2	90.4
98	46.3	38.8	58.2



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





#40

1,2-Dichloropropane

Concen: 25.100 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

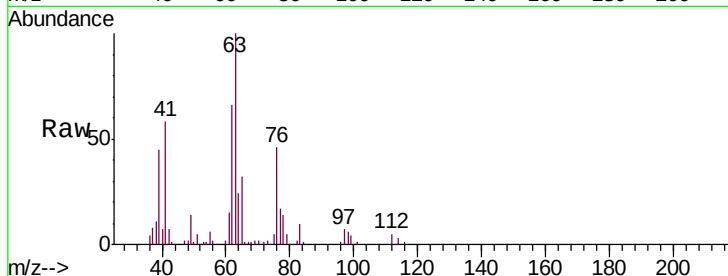
VSTD02591

Tgt Ion: 63 Resp: 44172

Ion Ratio Lower Upper

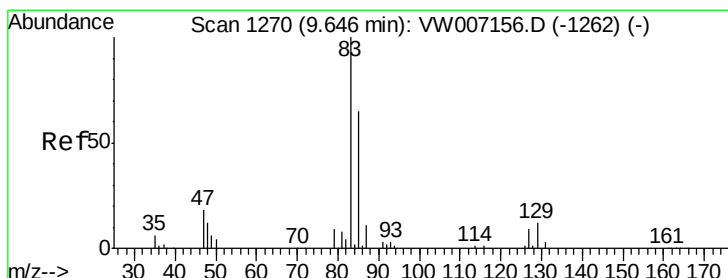
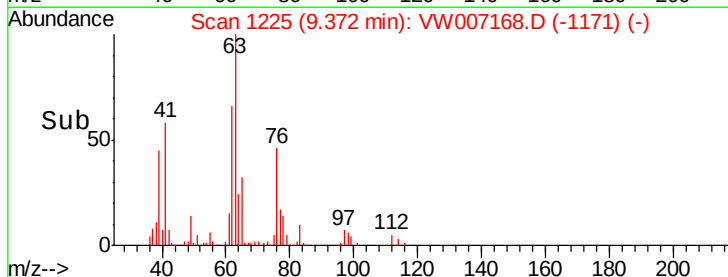
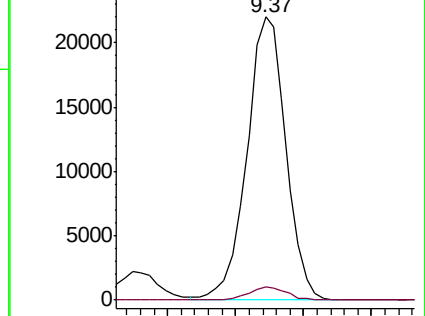
63 100

112 4.4 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.169 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

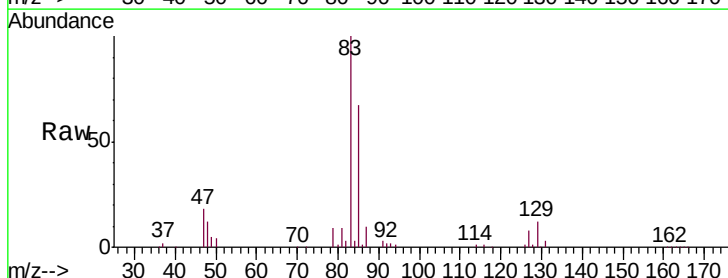
Tgt Ion: 83 Resp: 57990

Ion Ratio Lower Upper

83 100

85 66.7 43.9 81.5

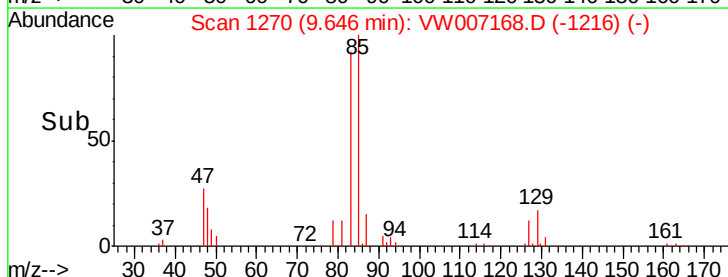
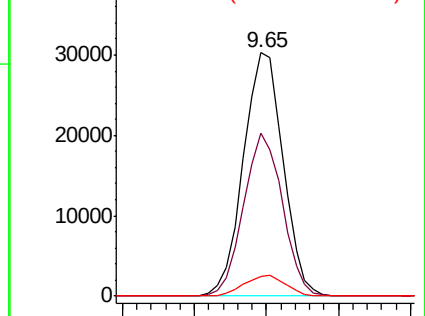
127 8.2 7.1 10.7

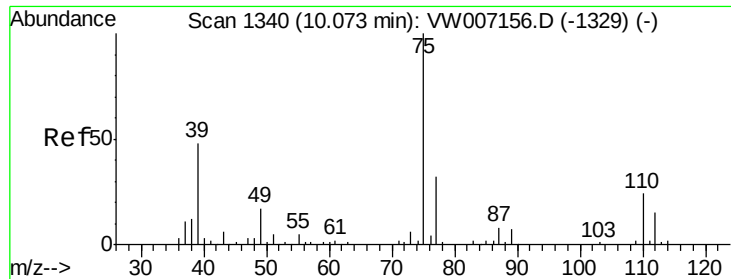


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.147 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampled :

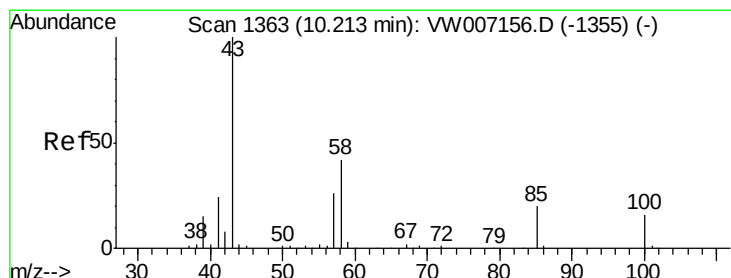
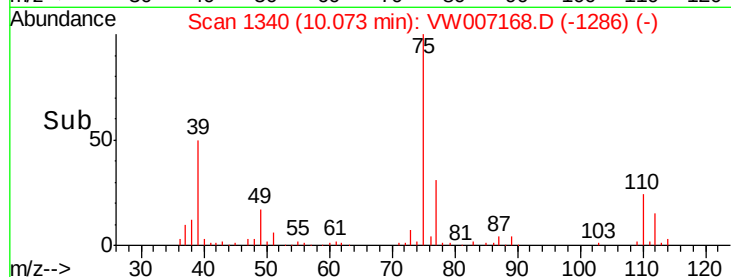
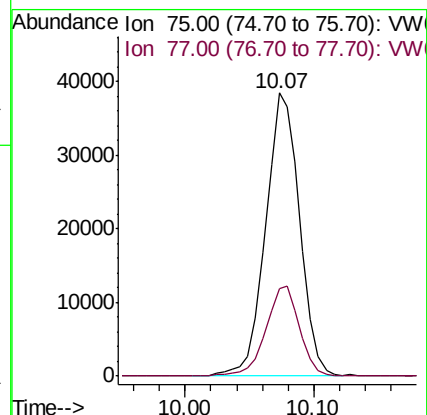
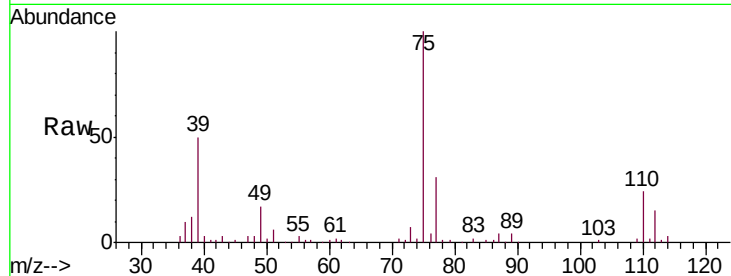
VSTD02591

Tgt Ion: 75 Resp: 70288

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 54.429 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

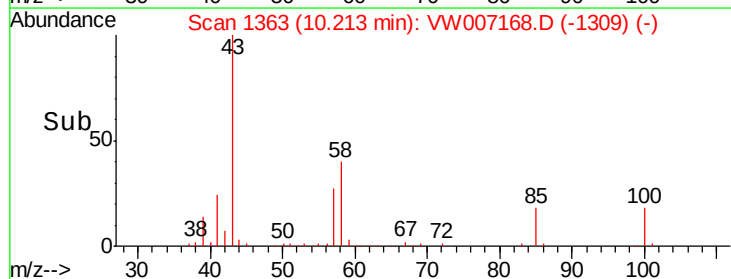
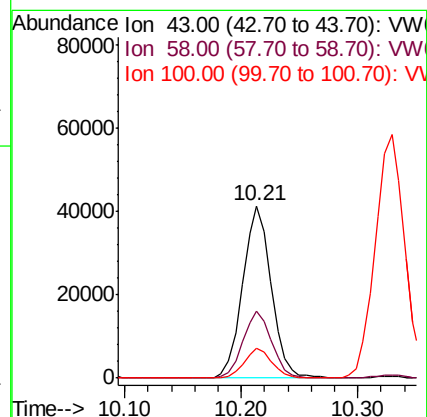
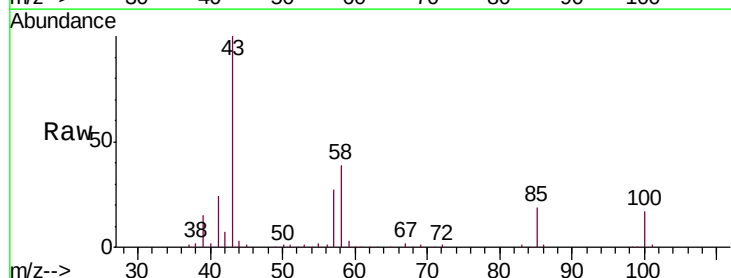
Tgt Ion: 43 Resp: 70879

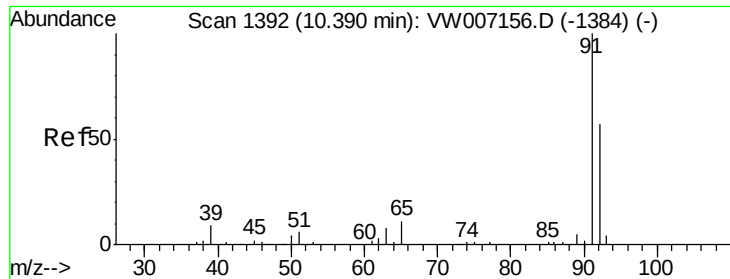
Ion Ratio Lower Upper

43 100

58 39.0 31.4 47.2

100 17.0 13.1 19.7





#44

Toluene

Concen: 25.325 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

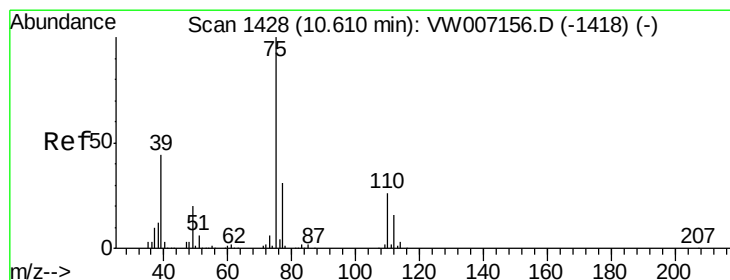
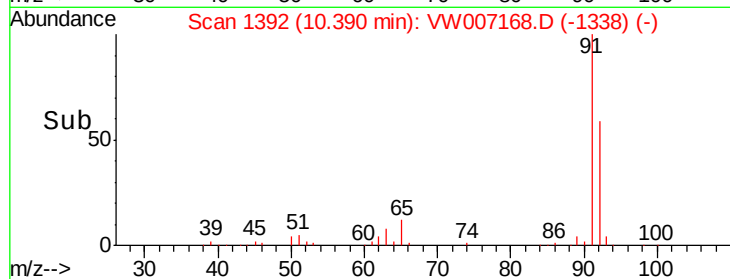
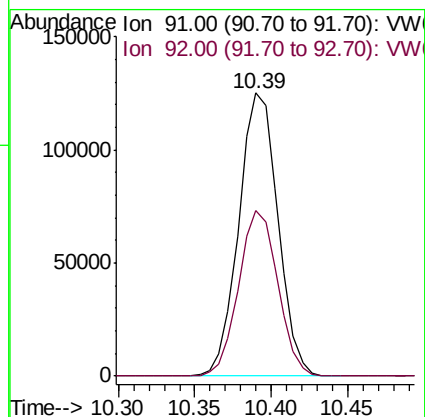
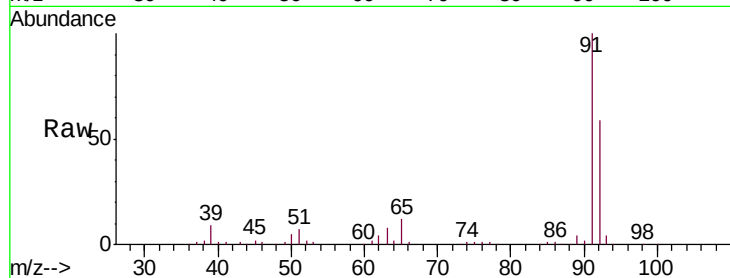
VSTD02591

Tgt Ion: 91 Resp: 222641

Ion Ratio Lower Upper

91 100

92 58.6 41.2 76.6



#45

trans-1,3-Dichloropropene

Concen: 24.956 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW007168.D

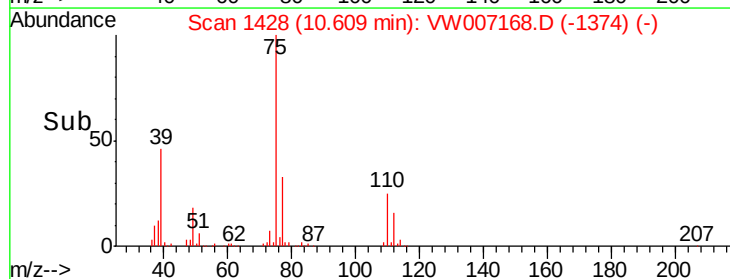
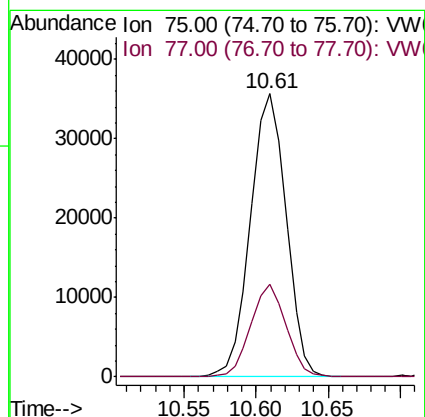
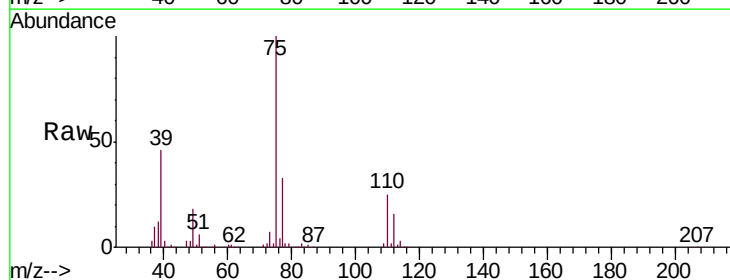
Acq: 03 Dec 2018 19:20

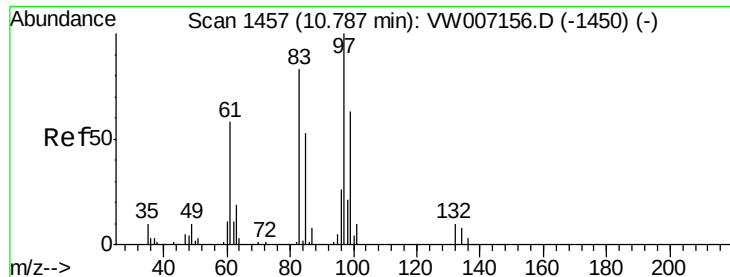
Tgt Ion: 75 Resp: 61286

Ion Ratio Lower Upper

75 100

77 32.7 23.2 43.2





#46

1,1,2-Trichloroethane

Concen: 26.170 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

Tgt Ion: 97 Resp: 36269

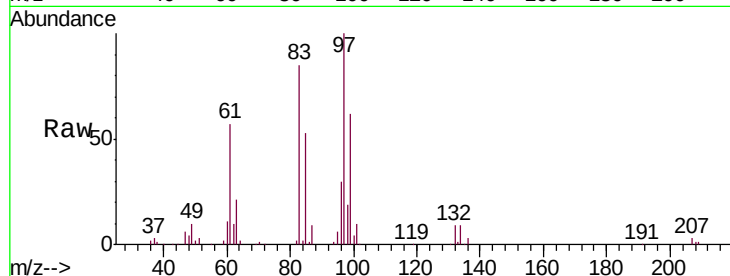
Ion Ratio Lower Upper

97 100

83 85.0 57.1 106.1

85 52.7 38.6 71.8

99 62.3 43.4 80.6



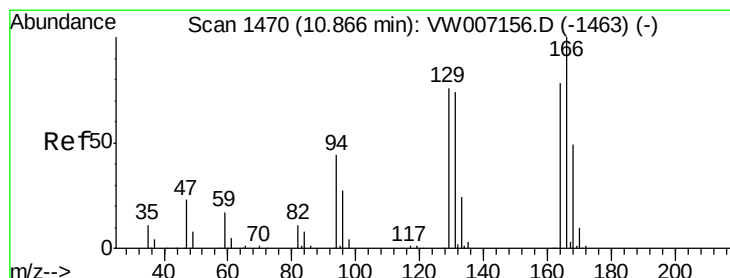
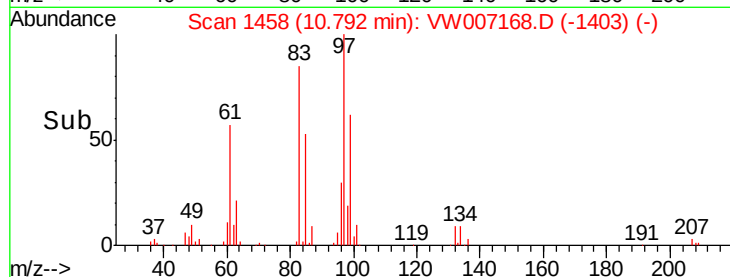
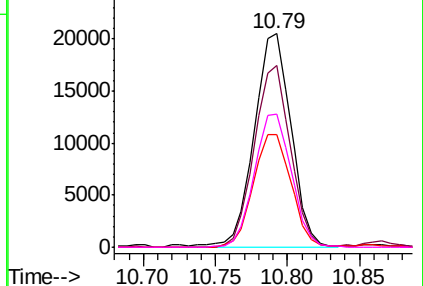
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.514 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Tgt Ion: 164 Resp: 44335

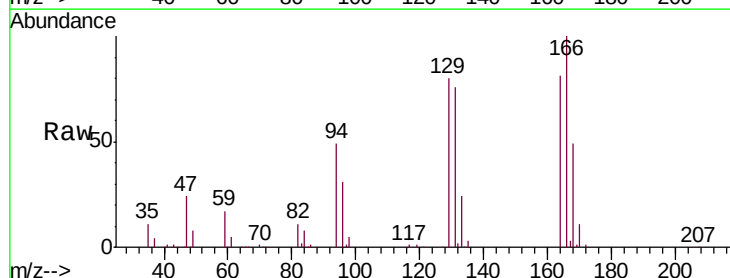
Ion Ratio Lower Upper

164 100

129 99.8 68.5 127.3

131 94.9 63.3 117.7

166 124.2 86.6 160.8



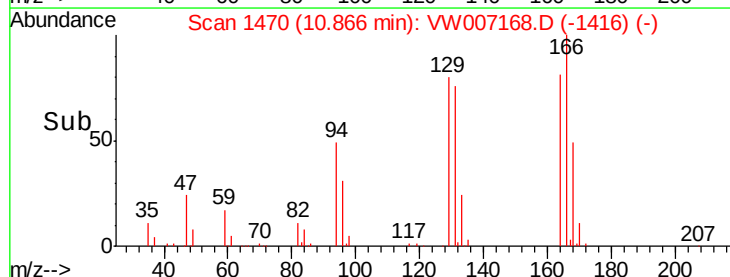
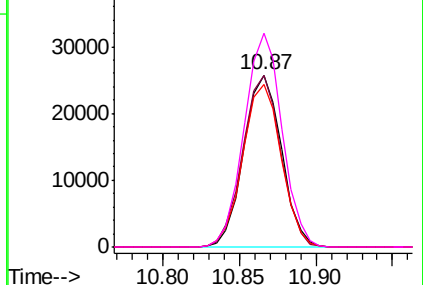
Abundance

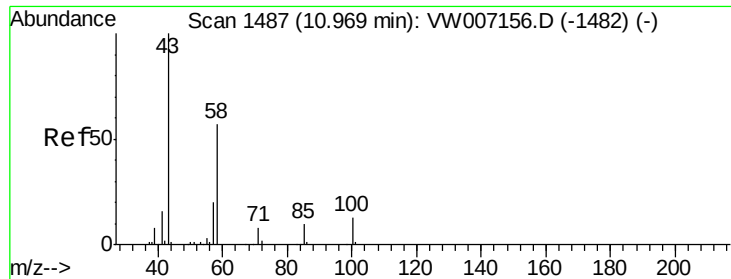
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

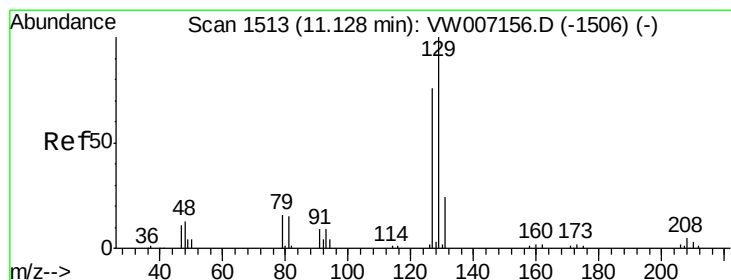
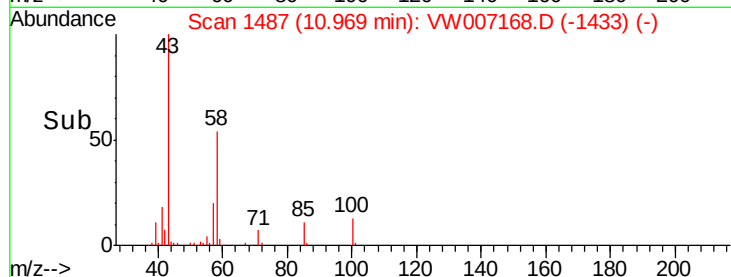
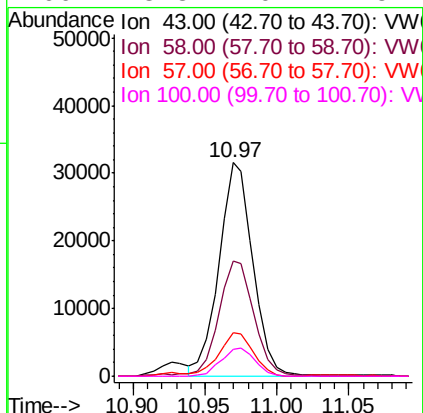
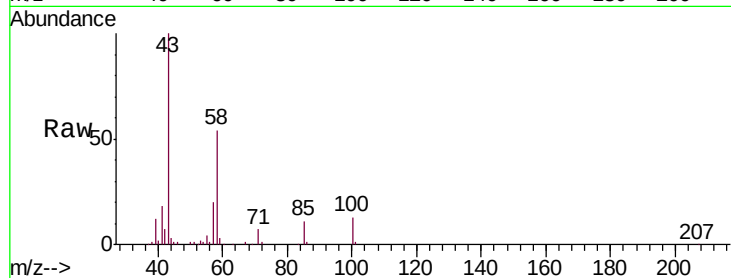




#49
2-Hexanone
Concen: 59.216 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007168.D
Acq: 03 Dec 2018 19:20

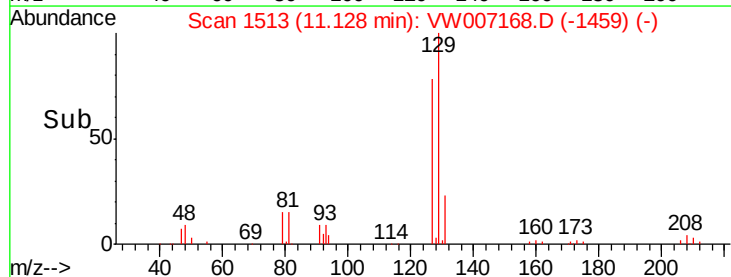
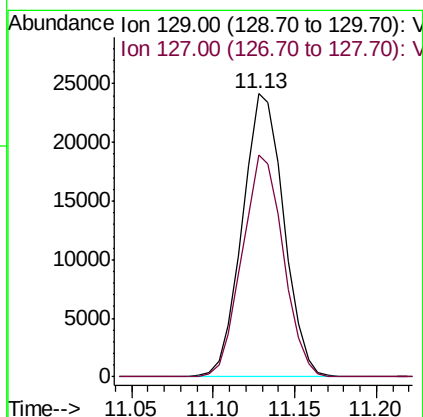
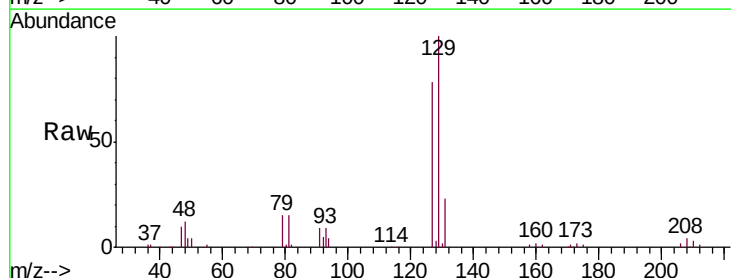
Instrument :
MSVOA_W
ClientSampleId :
VSTD02591

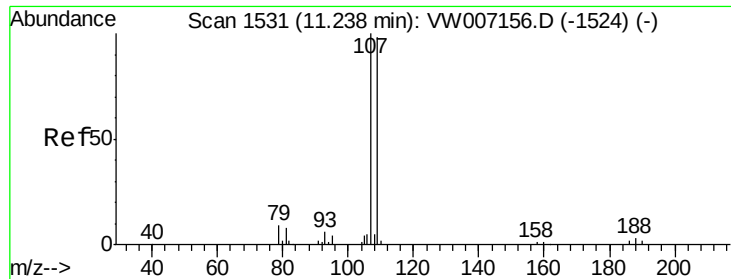
Tgt Ion:	43	Resp:	52200
Ion	Ratio	Lower	Upper
43	100		
58	56.4	44.2	66.2
57	20.5	16.3	24.5
100	13.3	10.1	15.1



#50
Dibromochloromethane
Concen: 25.323 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007168.D
Acq: 03 Dec 2018 19:20

Tgt Ion:	129	Resp:	42747
Ion	Ratio	Lower	Upper
129	100		
127	78.2	54.6	101.4

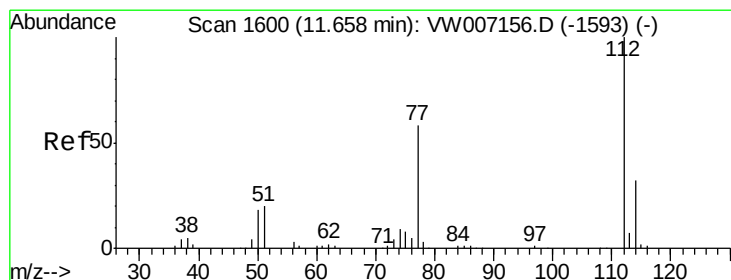
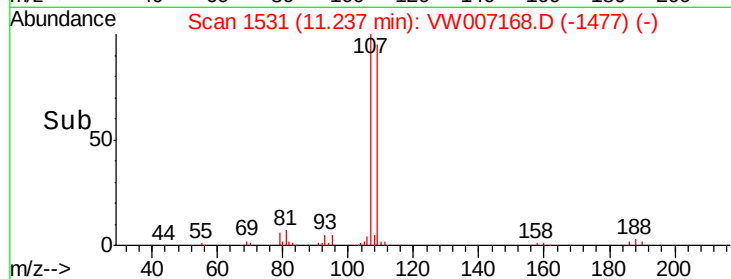
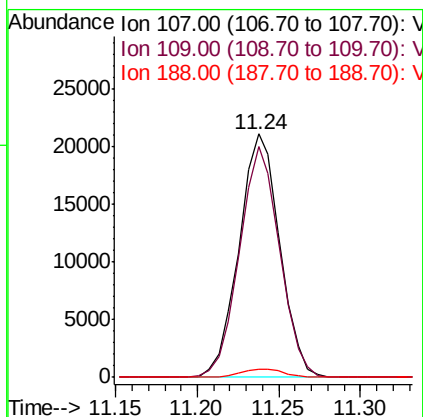
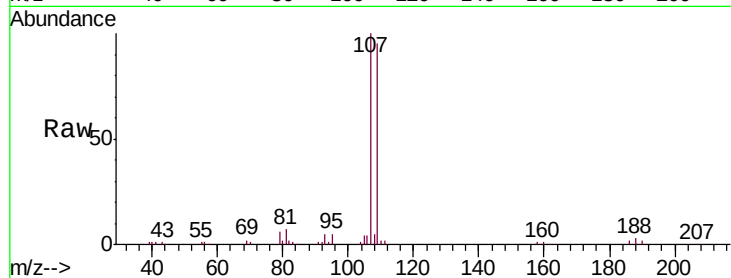




#51
 1,2-Dibromoethane
 Concen: 26.123 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

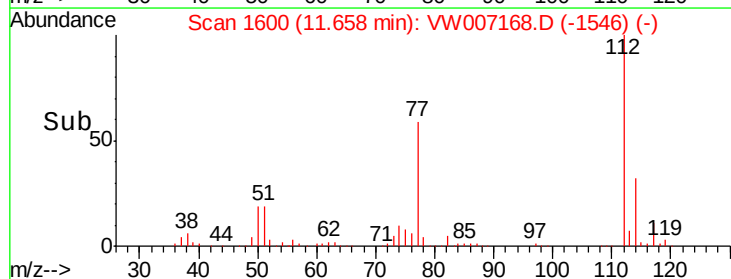
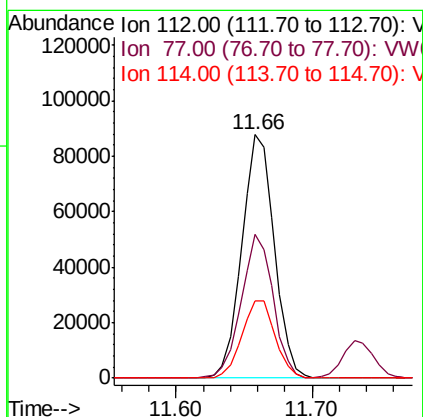
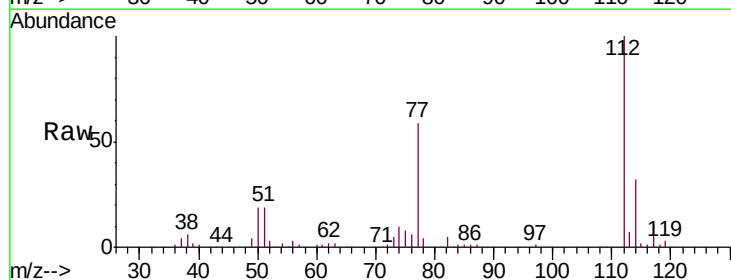
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

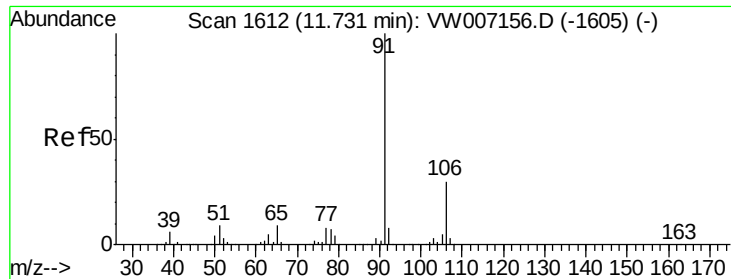
Tgt Ion:107 Resp: 36686
 Ion Ratio Lower Upper
 107 100
 109 94.8 66.0 122.6
 188 3.1 3.6 5.4#



#52
 Chlorobenzene
 Concen: 25.263 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

Tgt Ion:112 Resp: 146421
 Ion Ratio Lower Upper
 112 100
 77 58.9 45.0 67.4
 114 31.9 22.8 42.4





#53

Ethylbenzene

Concen: 25.582 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

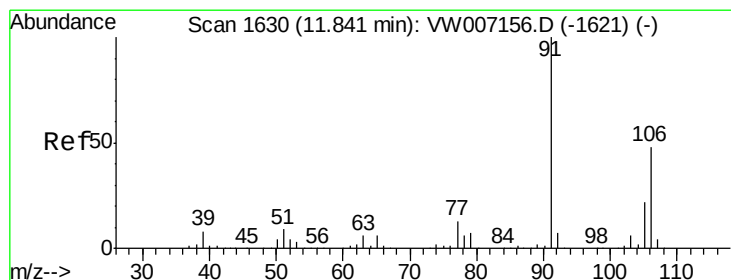
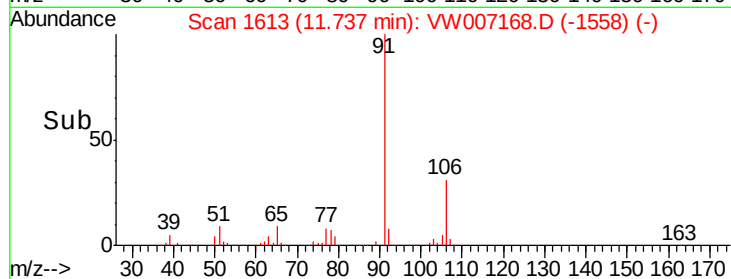
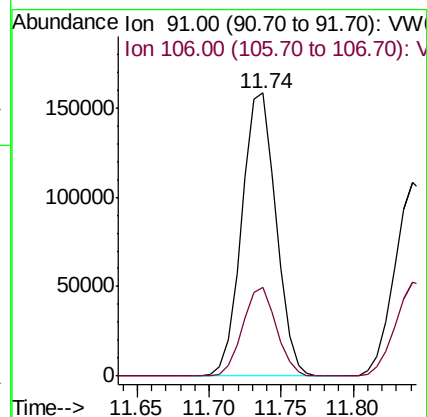
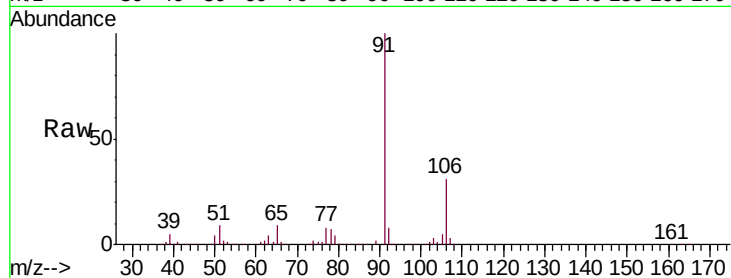
VSTD02591

Tgt Ion: 91 Resp: 260736

Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.4



#54

m,p-Xylene

Concen: 25.245 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007168.D

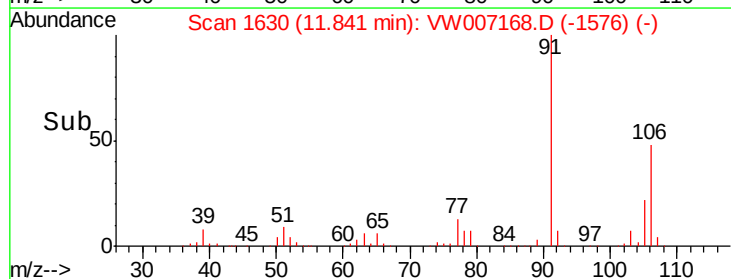
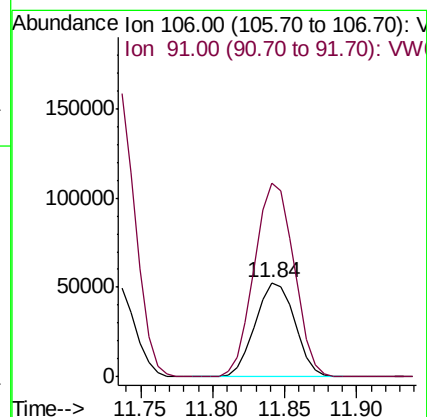
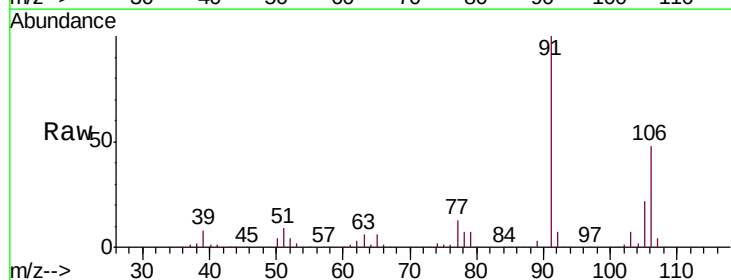
Acq: 03 Dec 2018 19:20

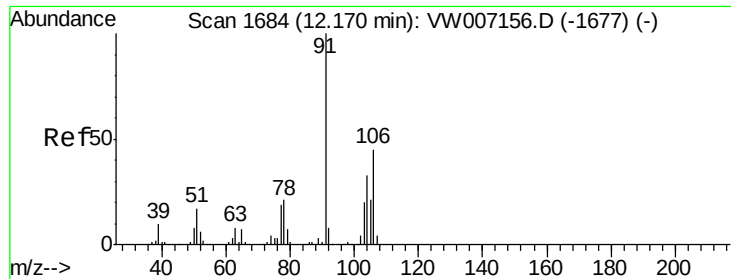
Tgt Ion: 106 Resp: 100396

Ion Ratio Lower Upper

106 100

91 206.2 140.7 261.3





#55

o-xylene

Concen: 25.737 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

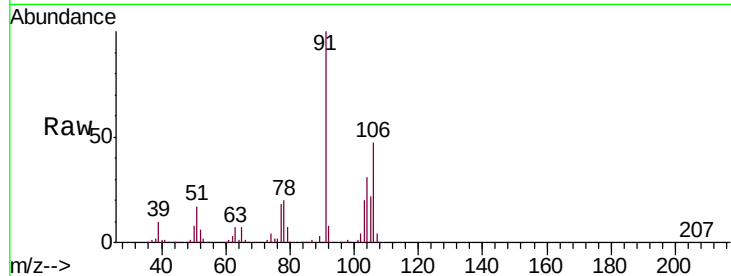
VSTD02591

Tgt Ion:106 Resp: 94917

Ion Ratio Lower Upper

106 100

91 215.0 149.0 276.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

150000

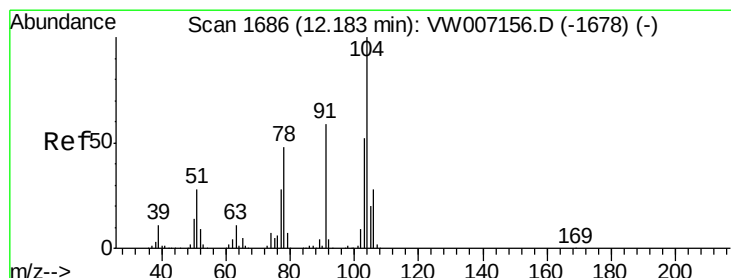
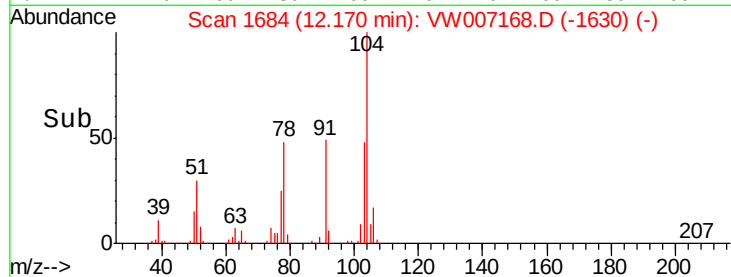
100000

50000

0

12.10 12.15 12.20

12.17



#56

Styrene

Concen: 25.760 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW007168.D

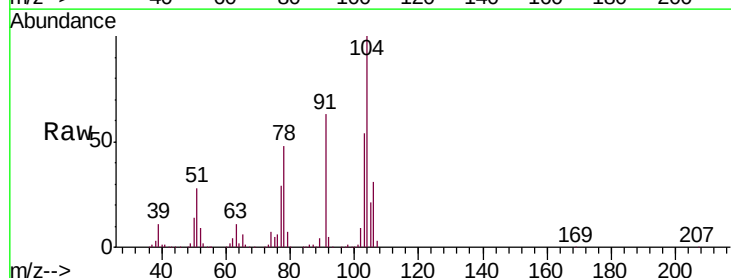
Acq: 03 Dec 2018 19:20

Tgt Ion:104 Resp: 160655

Ion Ratio Lower Upper

104 100

78 48.2 34.6 64.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

100000

80000

60000

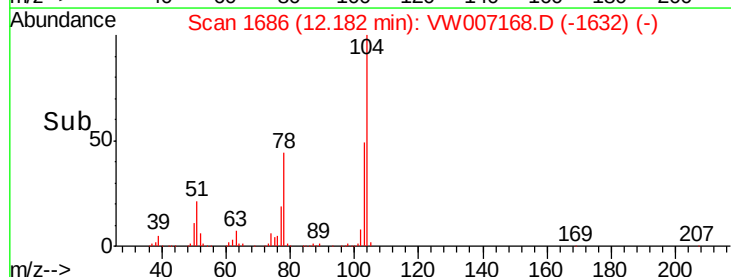
40000

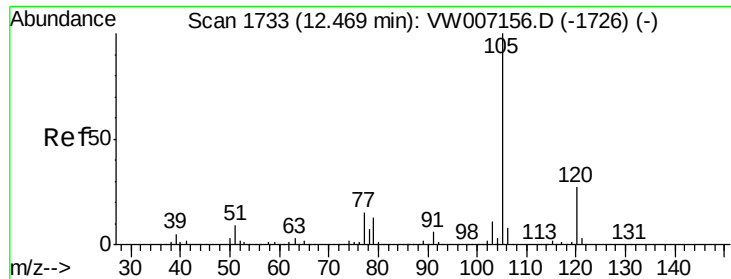
20000

0

12.10 12.15 12.20 12.25

12.18





#57

Isopropylbenzene

Concen: 25.660 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

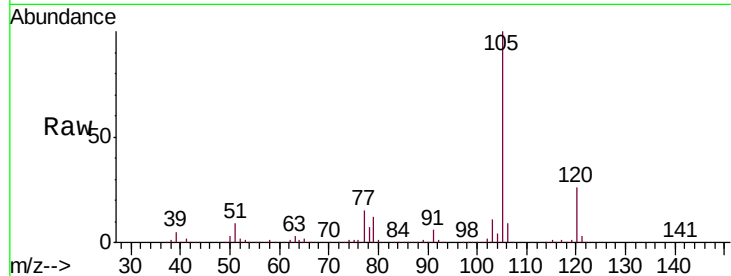
Tgt Ion: 105 Resp: 263151

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

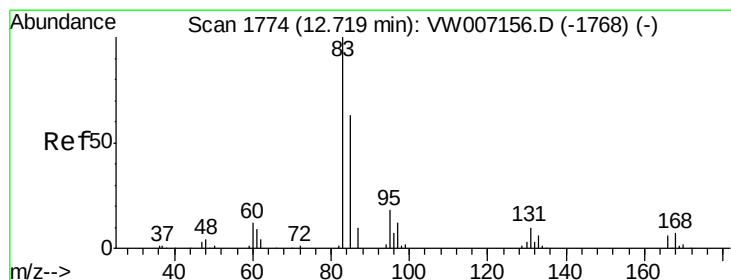
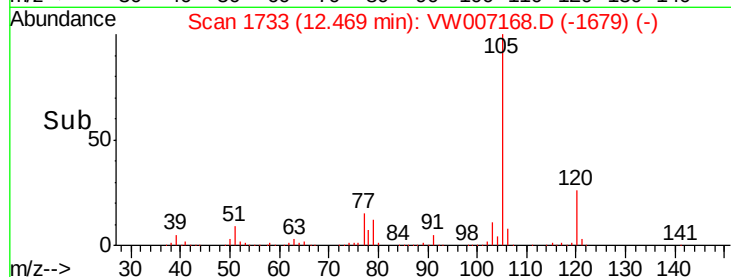
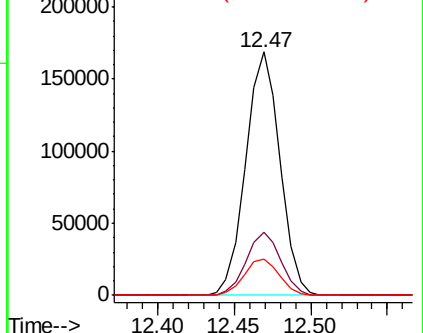
77 15.2 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.648 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

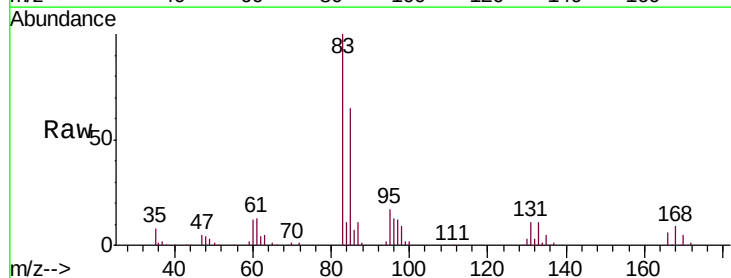
Tgt Ion: 83 Resp: 46931

Ion Ratio Lower Upper

83 100

85 64.5 47.8 88.8

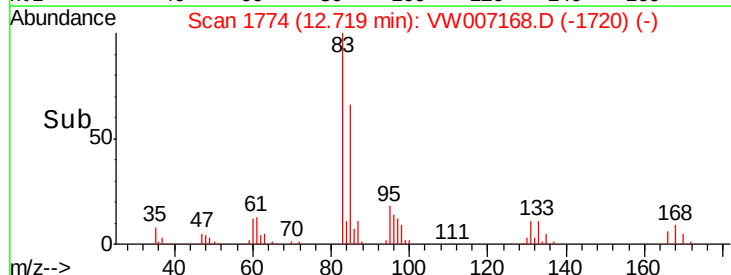
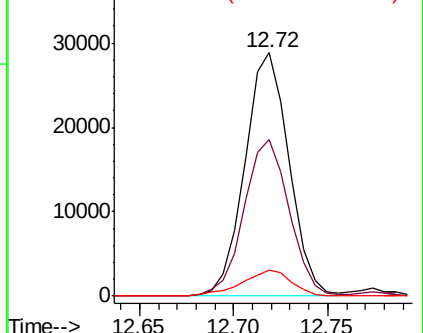
131 10.7 8.2 12.2

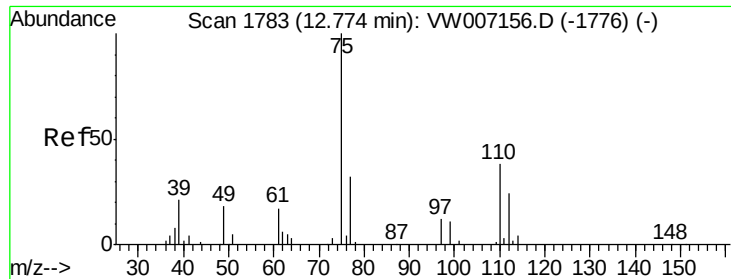


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.301 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

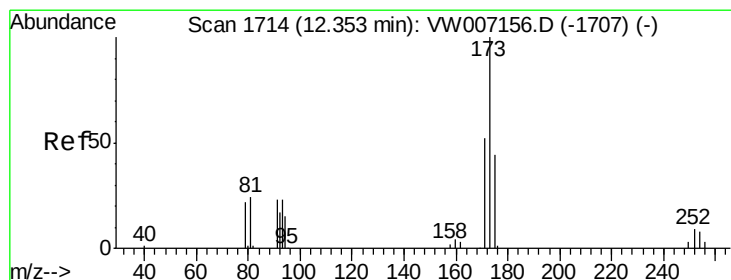
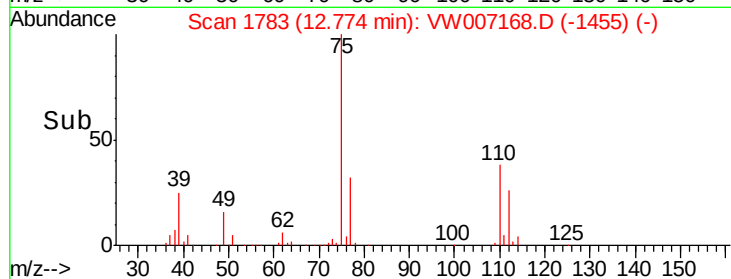
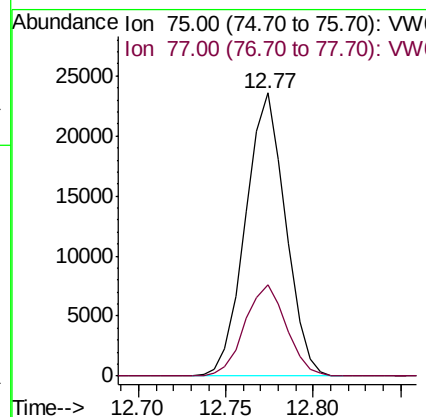
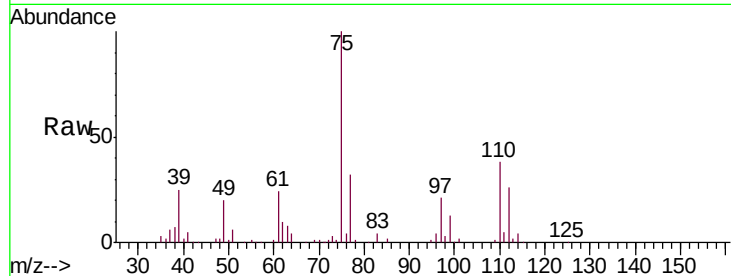
VSTD02591

Tgt Ion: 75 Resp: 37575

Ion Ratio Lower Upper

75 100

77 33.4 25.8 38.6



#62

Bromoform

Concen: 26.744 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

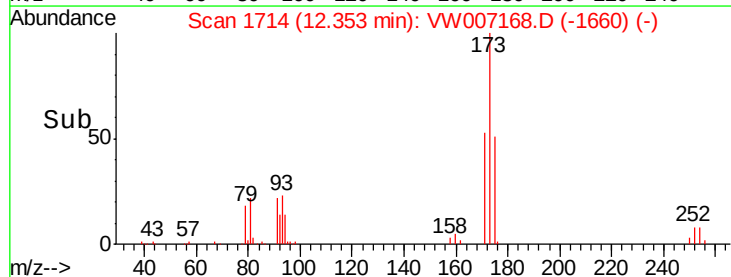
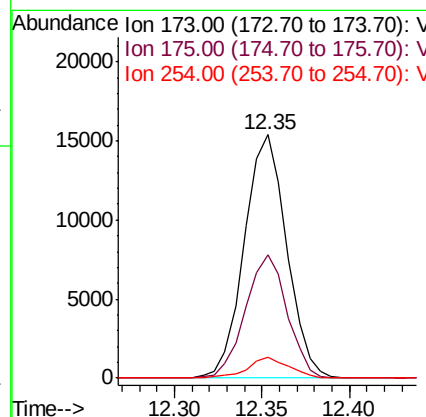
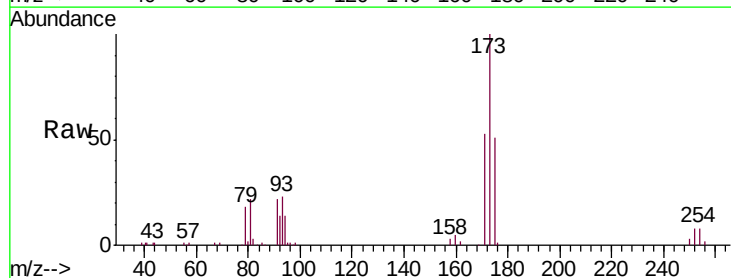
Tgt Ion: 173 Resp: 25922

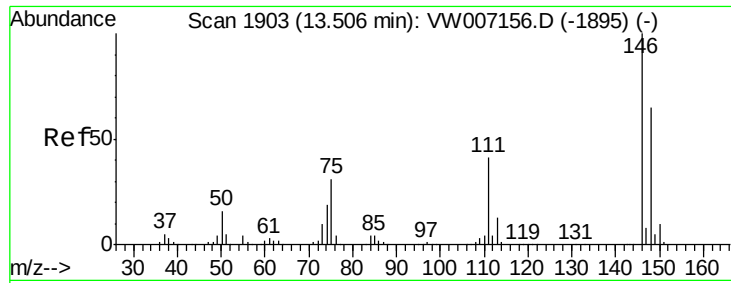
Ion Ratio Lower Upper

173 100

175 49.7 39.8 59.8

254 8.1 6.9 10.3

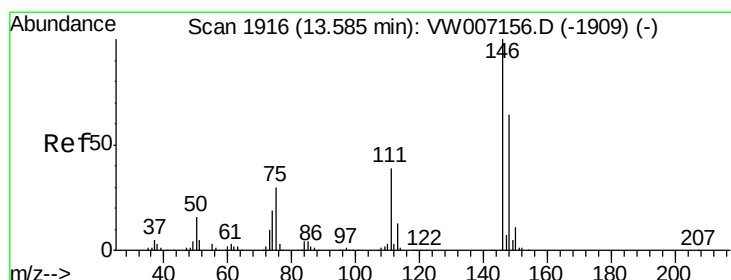
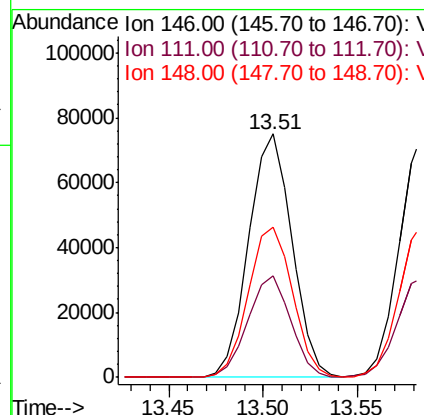
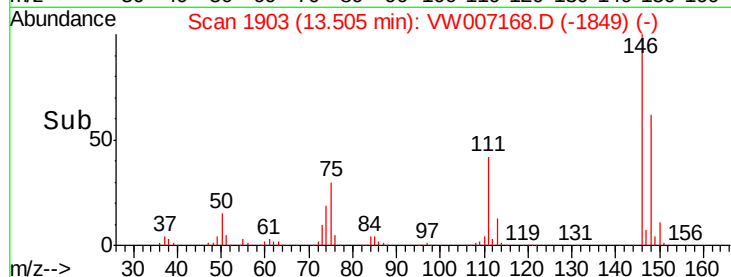
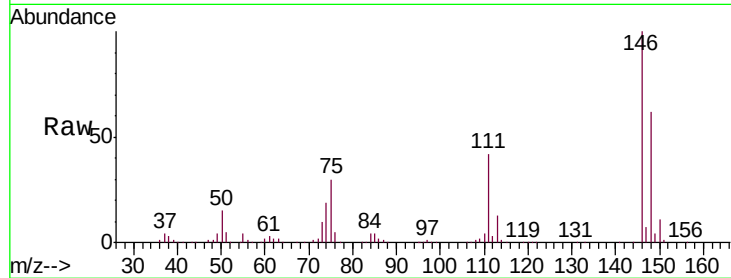




#63
 1,3-Dichlorobenzene
 Concen: 25.662 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

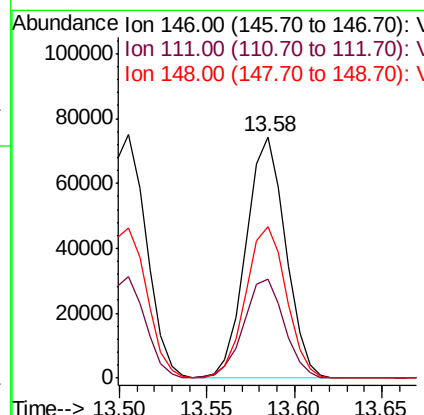
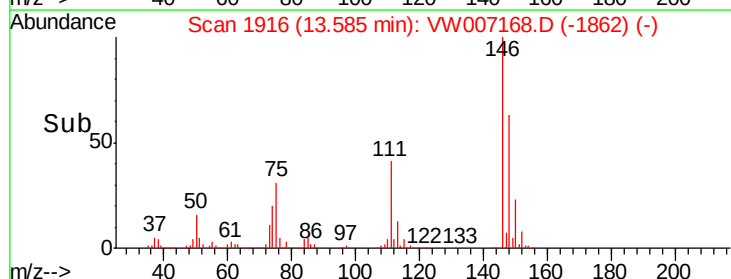
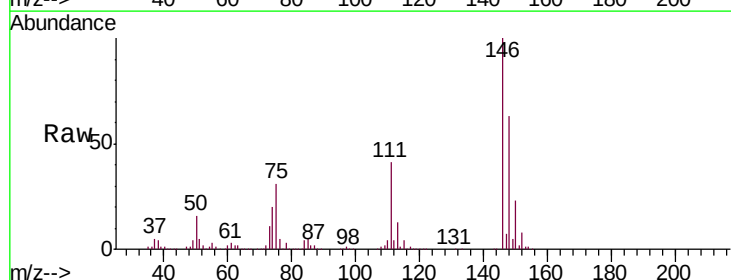
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

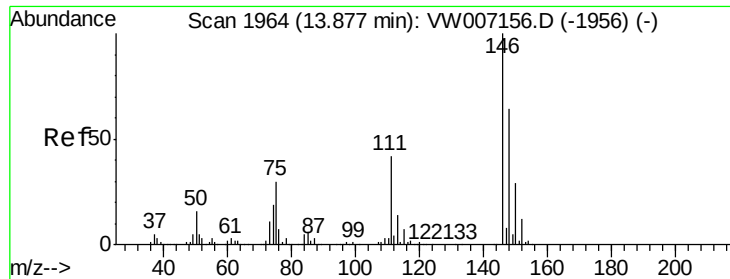
Tgt Ion:146 Resp: 119540
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.2 54.2
 148 61.9 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 25.031 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

Tgt Ion:146 Resp: 117284
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.2 52.4
 148 62.9 46.6 86.6

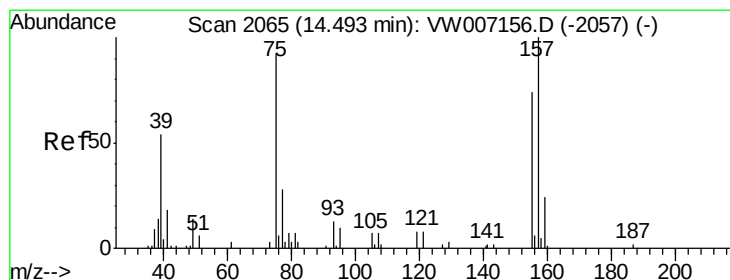
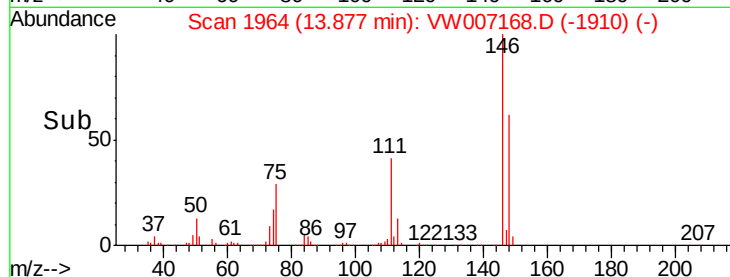
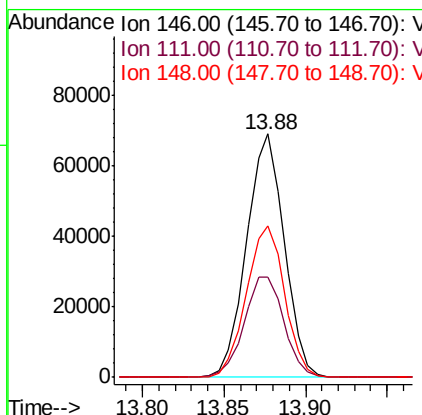
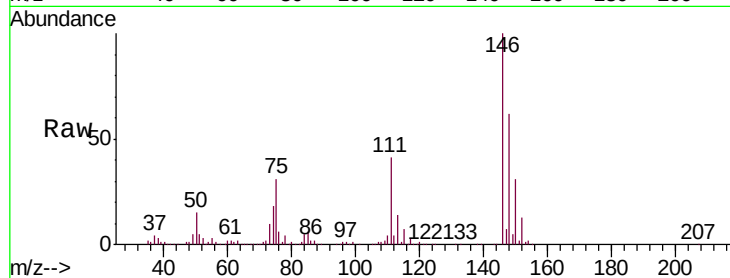




#65
 1,2-Dichlorobenzene
 Concen: 26.031 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

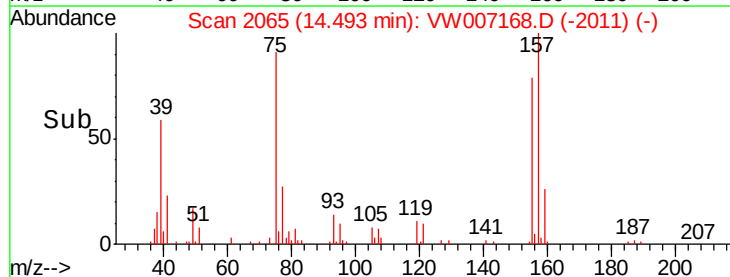
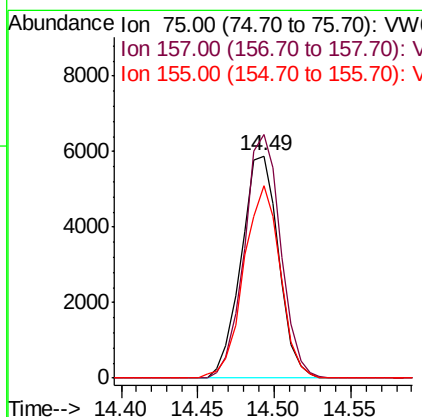
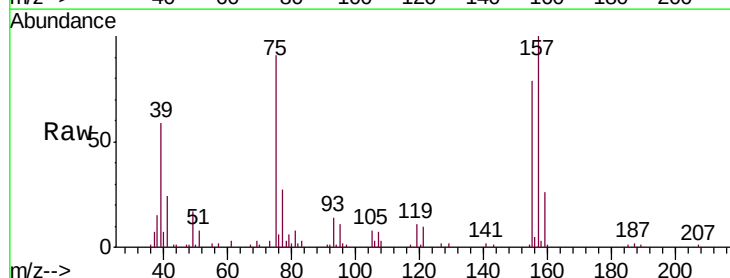
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

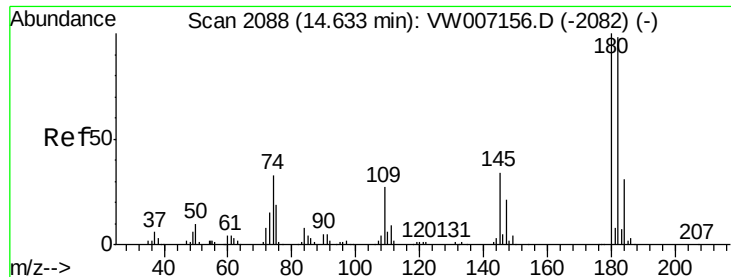
Tgt Ion: 146 Resp: 110959
 Ion Ratio Lower Upper
 146 100
 111 41.0 35.3 52.9
 148 62.3 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.846 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

Tgt Ion: 75 Resp: 9971
 Ion Ratio Lower Upper
 75 100
 157 109.6 86.4 129.6
 155 86.6 58.3 87.5

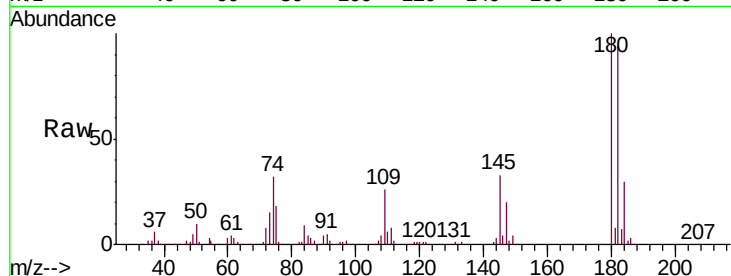




#67
 1,3,5-Trichlorobenzene
 Concen: 24.908 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.9	113.9
184	30.0	24.2	36.4
145	32.2	26.1	39.1



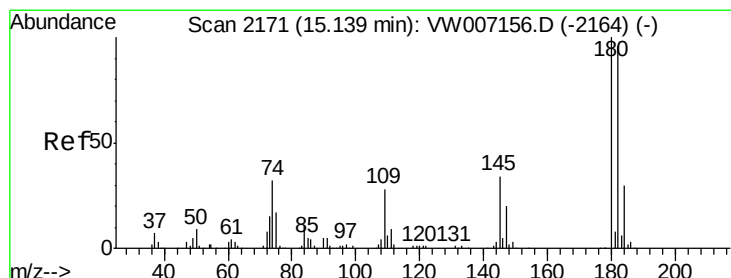
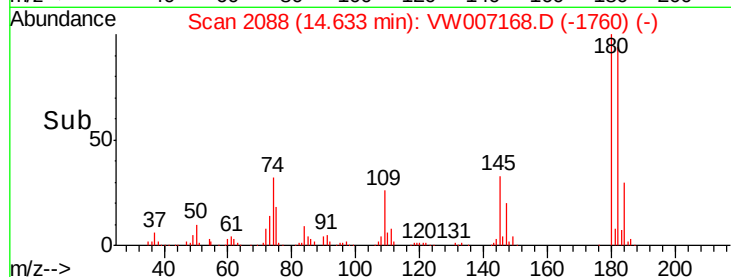
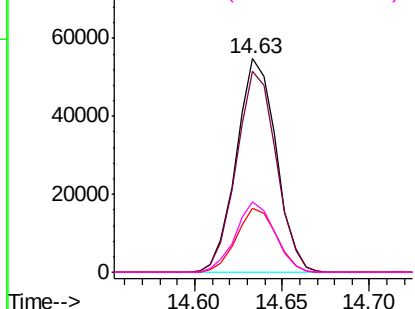
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

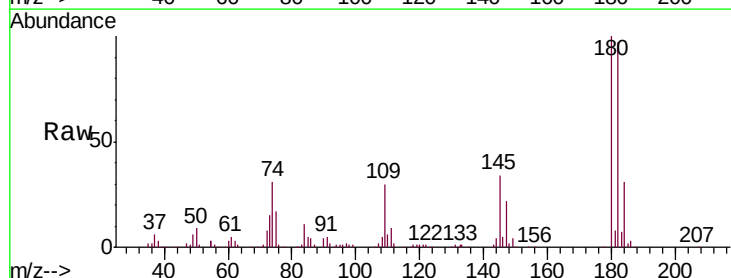
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.899 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007168.D
 Acq: 03 Dec 2018 19:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.6	113.4
145	33.8	26.6	39.8

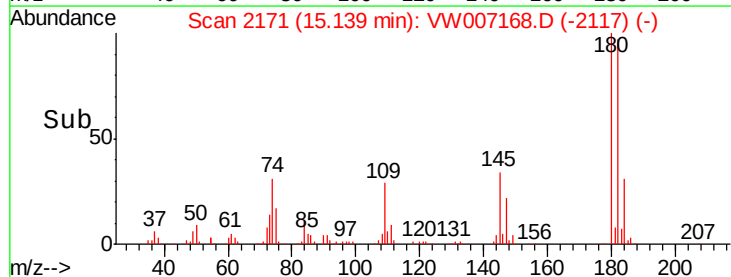
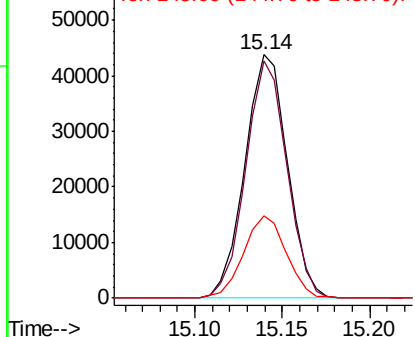


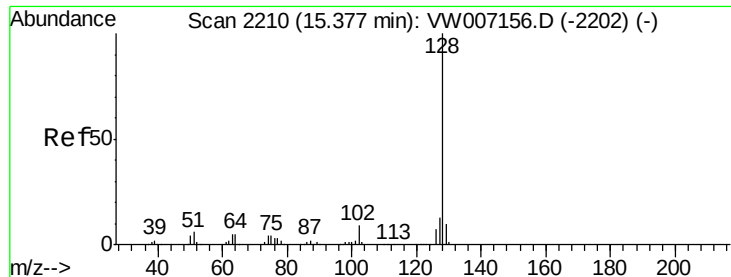
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.463 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02591

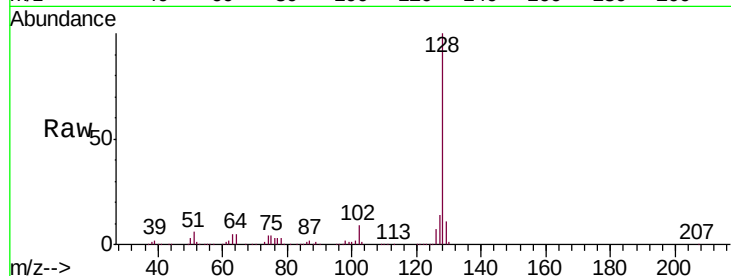
Tgt Ion:128 Resp: 173904

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

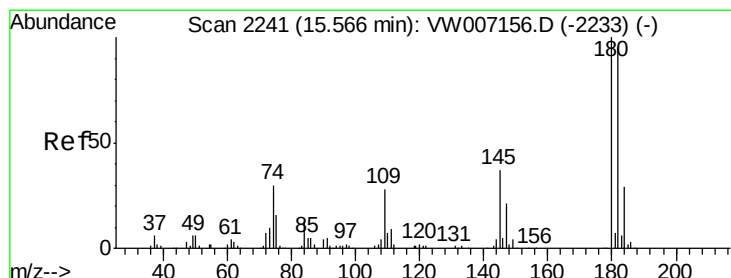
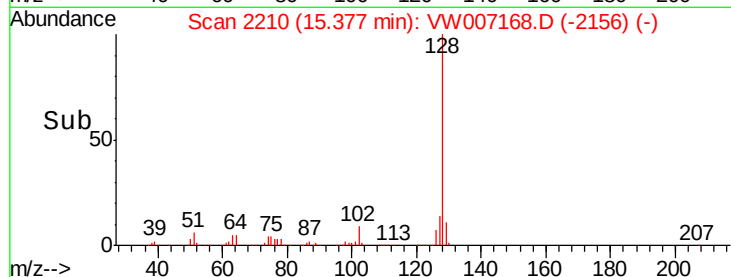
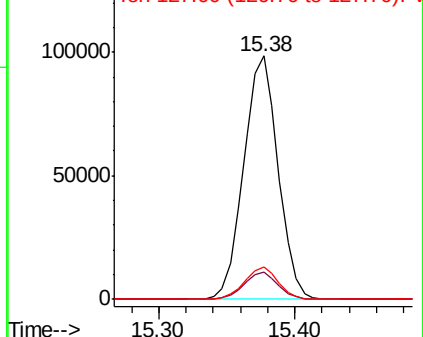
127 13.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.345 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW007168.D

Acq: 03 Dec 2018 19:20

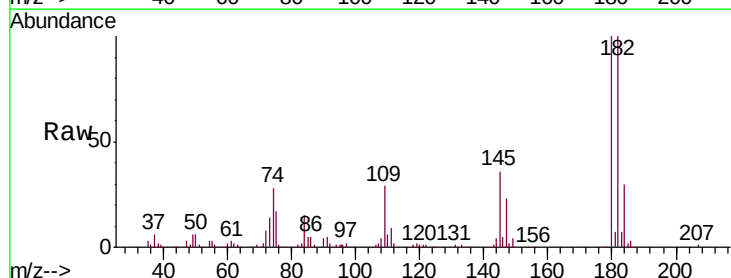
Tgt Ion:180 Resp: 65773

Ion Ratio Lower Upper

180 100

182 95.8 75.0 112.4

145 36.3 28.2 42.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

