

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082718\
 Data File : VW004973.D
 Acq On : 27 Aug 2018 19:16
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

Quant Time: Aug 28 01:41:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 28 01:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	605156	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	621594	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	336959	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	215814	18.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.48%
7) Chloroethane-d5	2.89	69	168410	19.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.44%
10) 1,1-Dichloroethene-d2	4.03	63	311704	21.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.36%
20) 2-Butanone-d5	7.09	46	125447	53.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.78%
24) Chloroform-d	7.65	84	301226	22.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.68%
26) 1,2-Dichloroethane-d4	8.31	65	172857	23.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.72%
29) Benzene-d6	8.28	84	763468	23.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.52%
33) 1,2-Dichloropropane-d6	9.28	67	224561	23.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.60%
37) Toluene-d8	10.33	98	795948	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.00%
38) trans-1,3-Dichloropropene-	10.59	79	96459	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.44%
39) 2-Hexanone-d5	10.93	63	134029	57.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	245694	26.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	325725	24.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	250897	22.041 ug/L	100
3) Chloromethane	2.22	50	271762	21.066 ug/L	98
5) Vinyl chloride	2.36	62	281881	21.573 ug/L	100
6) Bromomethane	2.78	94	160402	23.434 ug/L	99
8) Chloroethane	2.92	64	156697	21.460 ug/L	99
9) Trichlorofluoromethane	3.26	101	309535	23.410 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	187996	23.769 ug/L	97
12) 1,1-Dichloroethene	4.04	96	164910	23.407 ug/L	95
13) Acetone	4.15	43	83201	46.142 ug/L	98
14) Carbon disulfide	4.39	76	654630	22.424 ug/L	99
15) Methyl Acetate	4.68	43	100277	24.595 ug/L	97
16) Methylene chloride	4.92	84	244008	20.794 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	388692	25.541 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	174106	23.732 ug/L	98
19) 1,1-Dichloroethane	6.22	63	311464	23.258 ug/L	96
21) 2-Butanone	7.18	43	135330	48.740 ug/L	98
22) cis-1,2-Dichloroethene	7.18	96	189119	23.889 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082718\
 Data File : VW004973.D
 Acq On : 27 Aug 2018 19:16
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

Quant Time: Aug 28 01:41:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 28 01:39:39 2018
 Response via : Initial Calibration

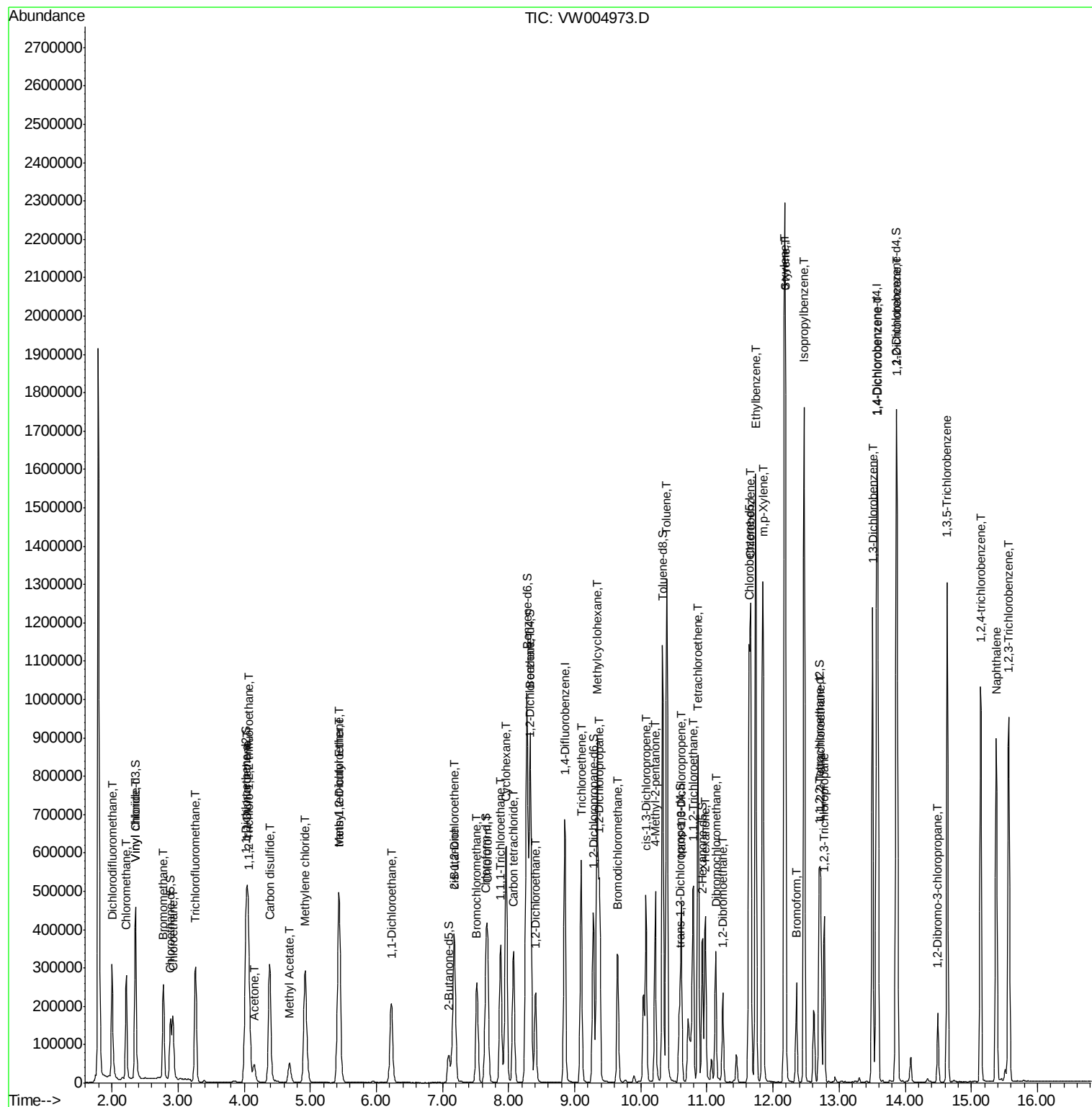
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	100411	24.020	ug/L	94
25) Chloroform	7.68	83	322206	24.005	ug/L	99
27) 1,2-Dichloroethane	8.41	62	207667	23.605	ug/L	99
30) Cyclohexane	7.96	56	321039	24.262	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	295644	24.694	ug/L	98
32) Carbon tetrachloride	8.07	117	268371	25.061	ug/L	97
34) Benzene	8.33	78	845140	23.846	ug/L	100
35) Trichloroethene	9.10	95	207147	23.505	ug/L	98
36) Methylcyclohexane	9.34	83	367668	22.555	ug/L	99
40) 1,2-Dichloropropane	9.37	63	209324	24.009	ug/L	99
41) Bromodichloromethane	9.65	83	233389	24.295	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	291106	24.054	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	325626	50.595	ug/L	98
44) Toluene	10.39	91	1016778	23.889	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	261778	23.850	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	164748	24.210	ug/L	98
47) Tetrachloroethene	10.87	164	207790	24.083	ug/L	97
49) 2-Hexanone	10.98	43	265365	53.355	ug/L	98
50) Dibromochloromethane	11.13	129	187435	24.809	ug/L	98
51) 1,2-Dibromoethane	11.24	107	162111	24.267	ug/L	98
52) Chlorobenzene	11.66	112	663336	23.461	ug/L	98
53) Ethylbenzene	11.74	91	1139341	23.789	ug/L	100
54) m,p-Xylene	11.85	106	451739	24.313	ug/L	97
55) o-xylene	12.17	106	427012	24.597	ug/L	100
56) Styrene	12.19	104	747286	25.053	ug/L	99
57) Isopropylbenzene	12.47	105	1141198	24.610	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	242301	24.983	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	185382	24.805	ug/L	99
62) Bromoform	12.35	173	128276	24.010	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	537028	23.133	ug/L	96
64) 1,4-Dichlorobenzene	13.59	146	564372	23.221	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	530589	23.853	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	44283	23.476	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	439990	23.686	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	359240	23.952	ug/L	100
69) Naphthalene	15.38	128	789743	25.905	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	358440	25.373	ug/L	100

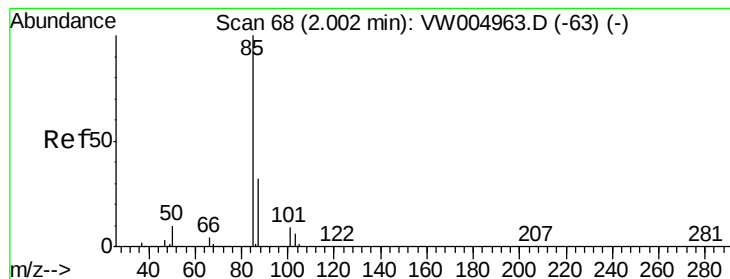
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082718\
Data File : VW004973.D
Acq On : 27 Aug 2018 19:16
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample ID :
VSTD02584

Quant Time: Aug 28 01:41:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 28 01:39:39 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.041 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

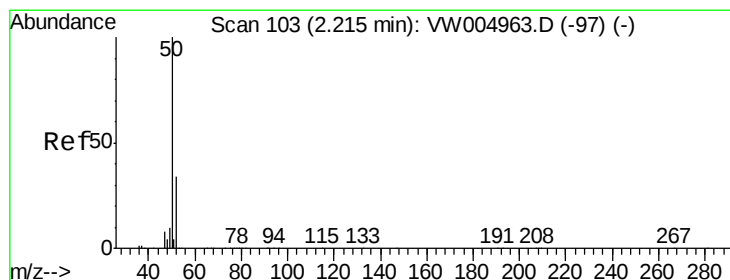
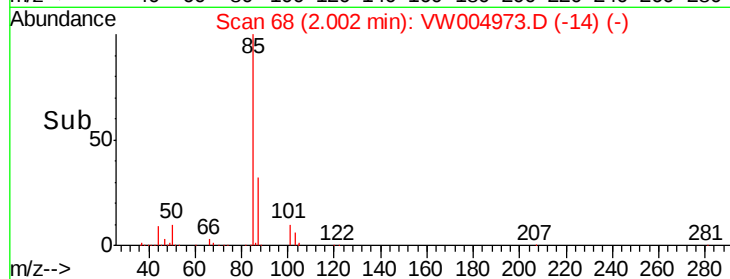
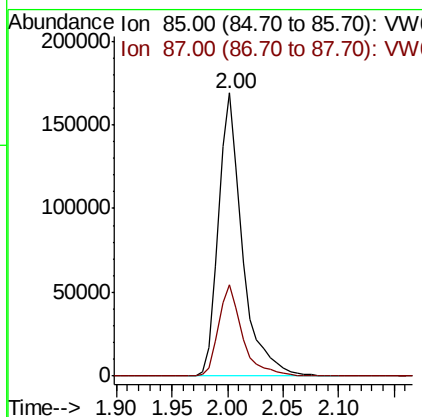
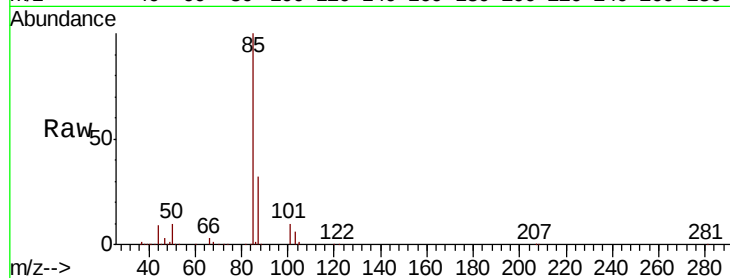
VSTD02584

Tgt Ion: 85 Resp: 250897

Ion Ratio Lower Upper

85 100

87 32.6 22.6 42.0



#3

Chloromethane

Concen: 21.066 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004973.D

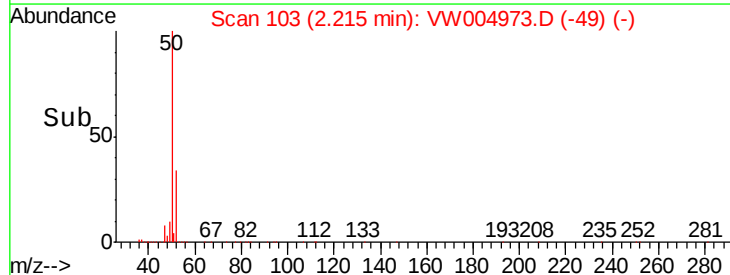
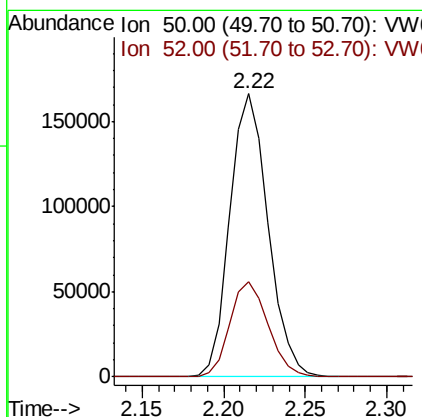
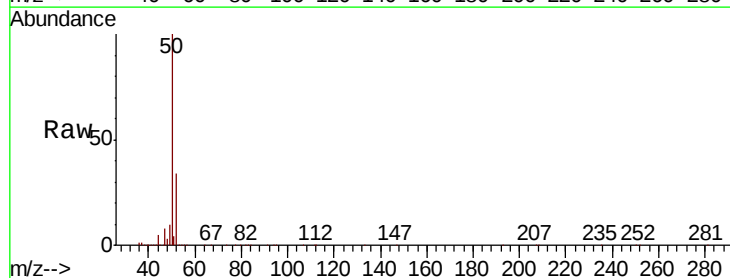
Acq: 27 Aug 2018 19:16

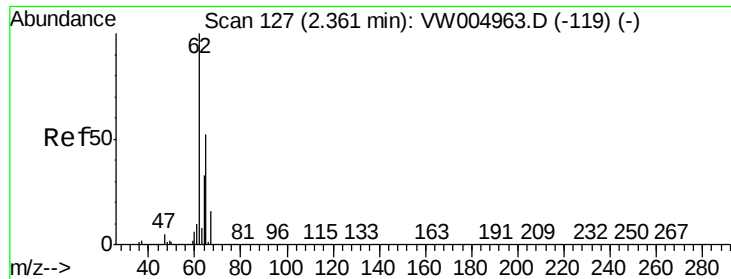
Tgt Ion: 50 Resp: 271762

Ion Ratio Lower Upper

50 100

52 33.5 22.5 41.9





#5

Vinyl chloride

Concen: 21.573 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

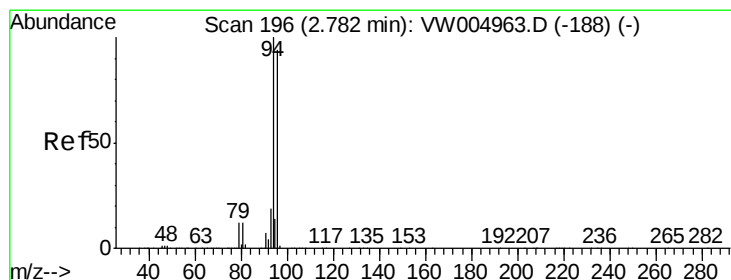
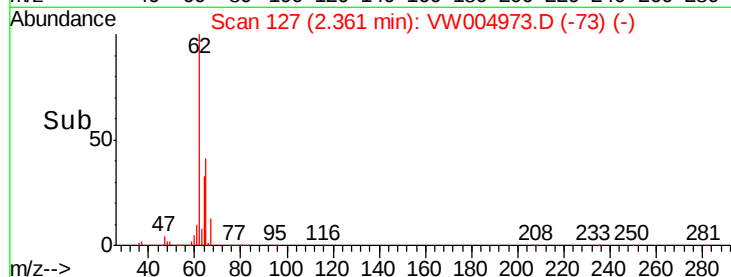
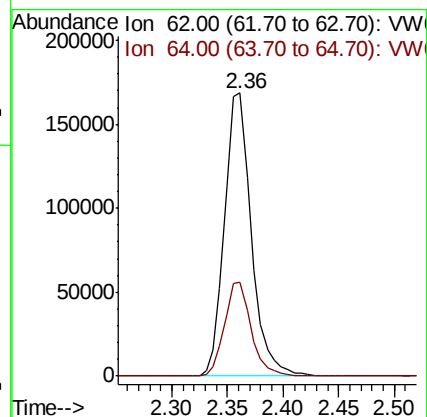
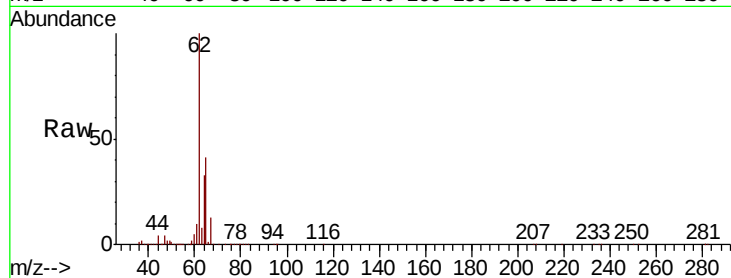
VSTD02584

Tgt Ion: 62 Resp: 281881

Ion Ratio Lower Upper

62 100

64 33.3 23.3 43.3



#6

Bromomethane

Concen: 23.434 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004973.D

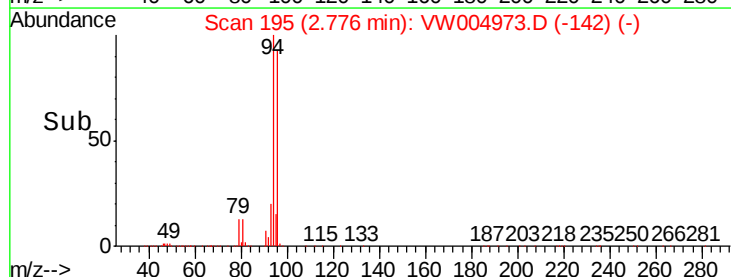
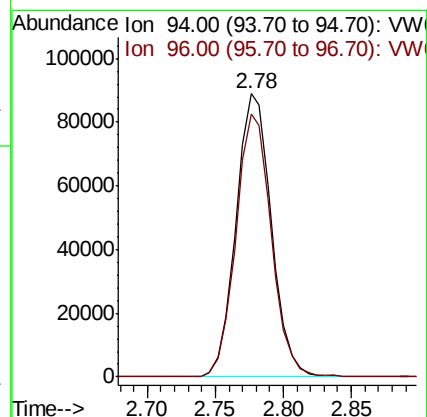
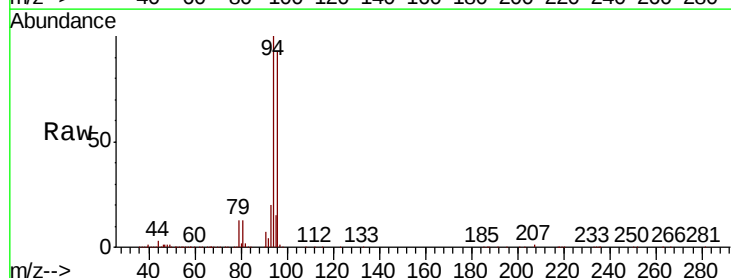
Acq: 27 Aug 2018 19:16

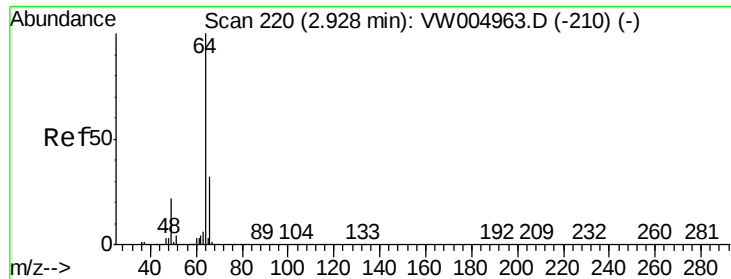
Tgt Ion: 94 Resp: 160402

Ion Ratio Lower Upper

94 100

96 92.6 9.3 177.7





#8

Chloroethane

Concen: 21.460 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

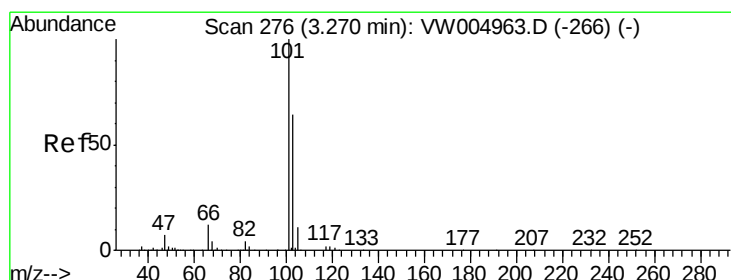
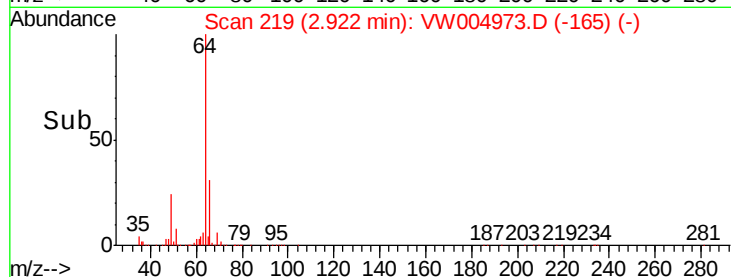
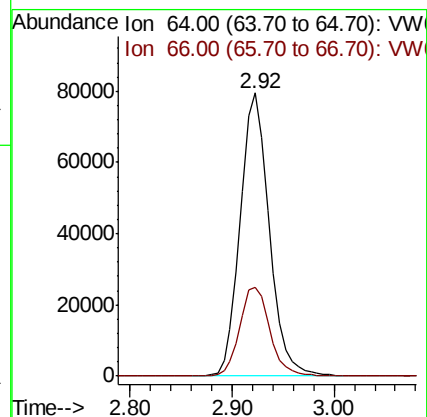
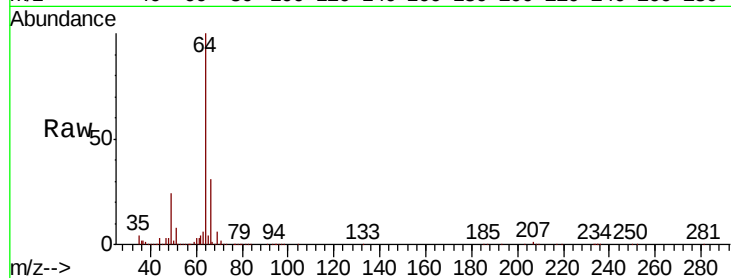
VSTD02584

Tgt Ion: 64 Resp: 156697

Ion Ratio Lower Upper

64 100

66 31.2 21.5 39.9



#9

Trichlorofluoromethane

Concen: 23.410 ug/L

RT: 3.26 min Scan# 275

Delta R.T. 0.00 min

Lab File: VW004973.D

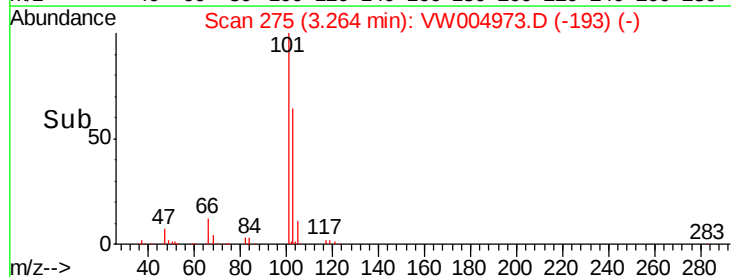
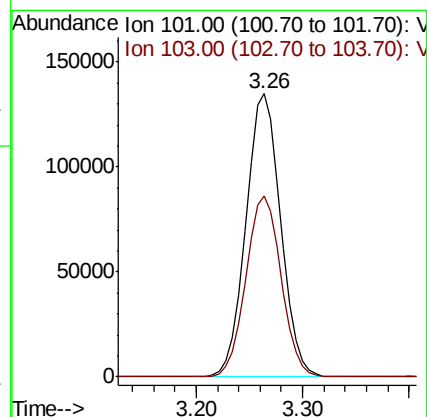
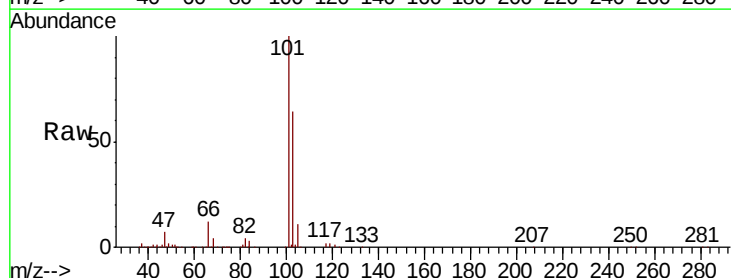
Acq: 27 Aug 2018 19:16

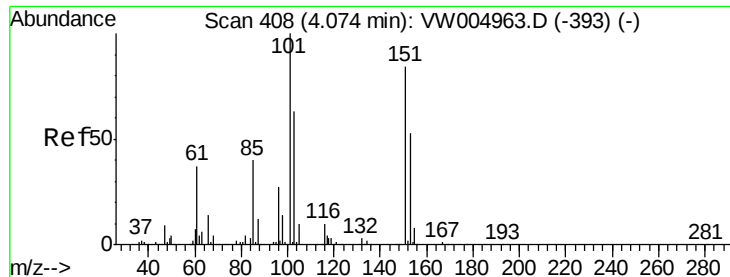
Tgt Ion: 101 Resp: 309535

Ion Ratio Lower Upper

101 100

103 64.7 45.1 83.7





#11

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

Concen: 23.769 ug/L

RT: 4.07 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

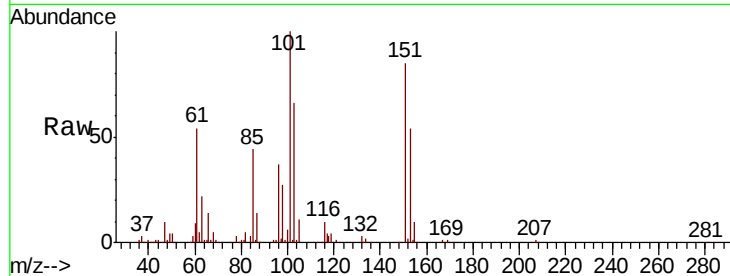
Tgt Ion:101 Resp: 187996

Ion Ratio Lower Upper

101 100

85 41.6 34.2 51.2

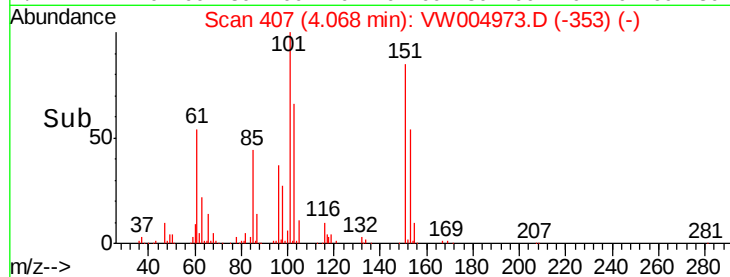
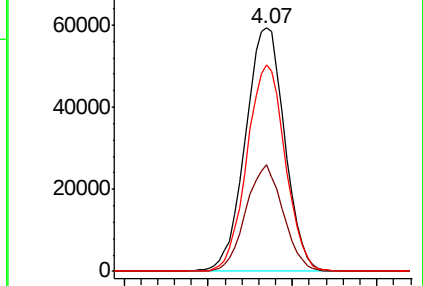
151 82.7 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.407 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

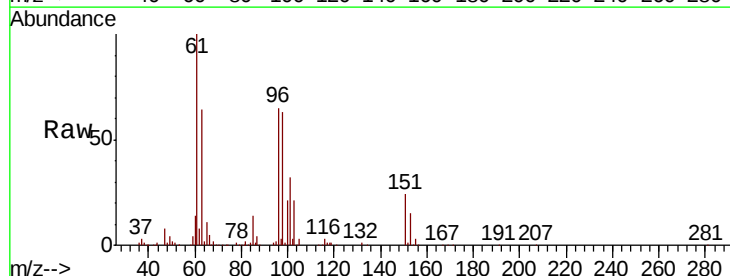
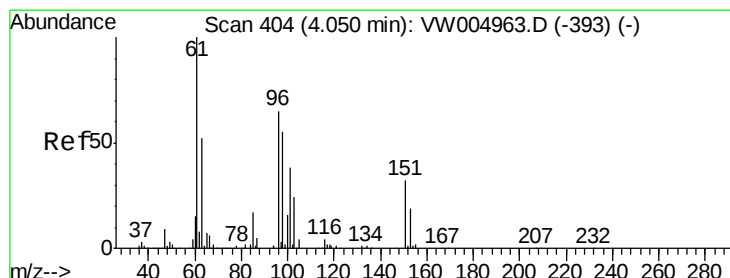
Tgt Ion: 96 Resp: 164910

Ion Ratio Lower Upper

96 100

61 154.9 107.0 198.8

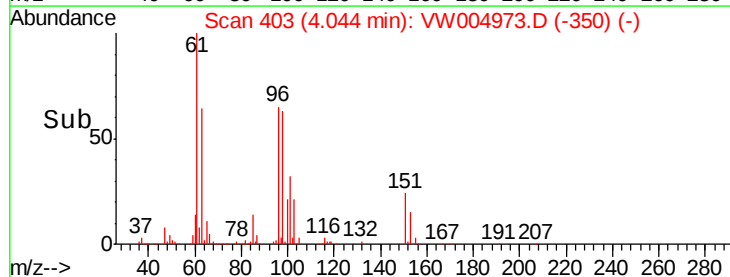
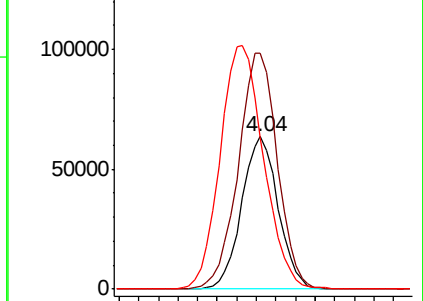
63 99.4 76.9 142.7

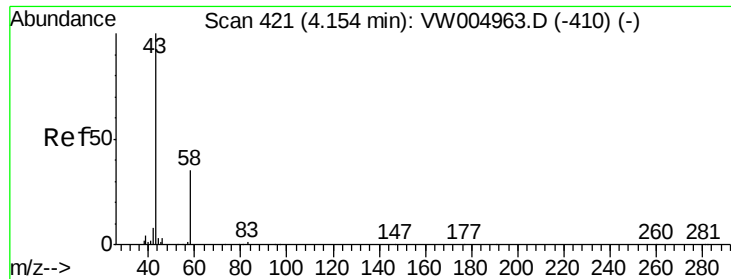


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.142 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

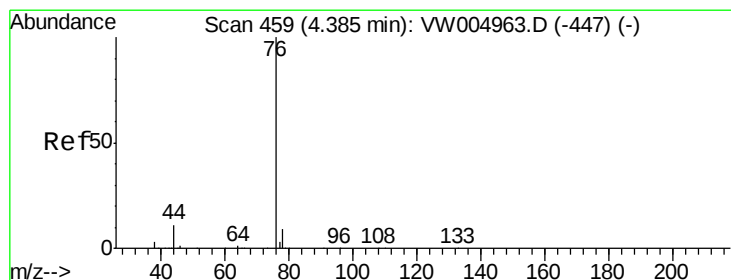
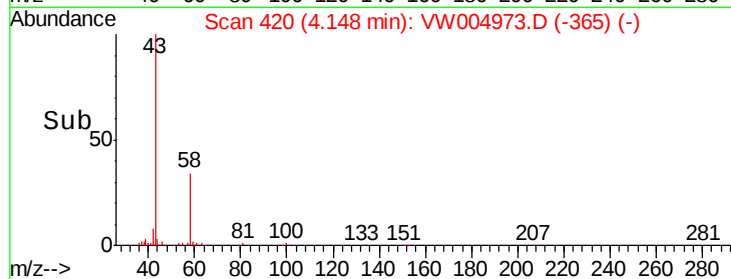
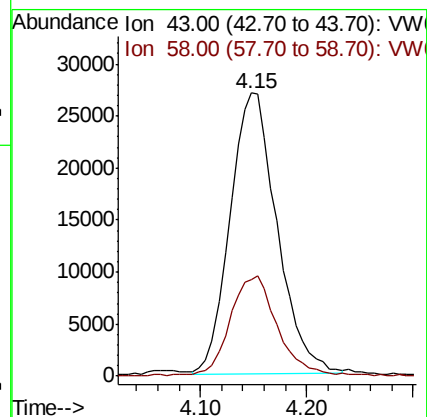
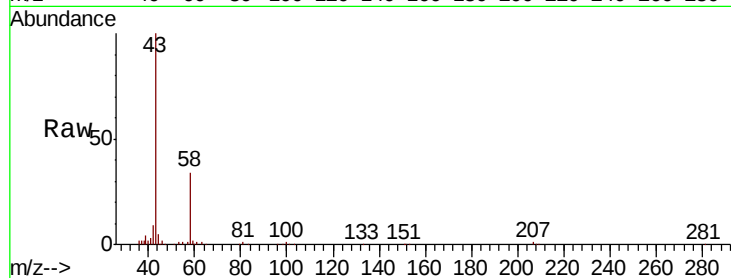
VSTD02584

Tgt Ion: 43 Resp: 83201

Ion Ratio Lower Upper

43 100

58 35.7 0.0 69.4



#14

Carbon disulfide

Concen: 22.424 ug/L

RT: 4.39 min Scan# 459

Delta R.T. 0.00 min

Lab File: VW004973.D

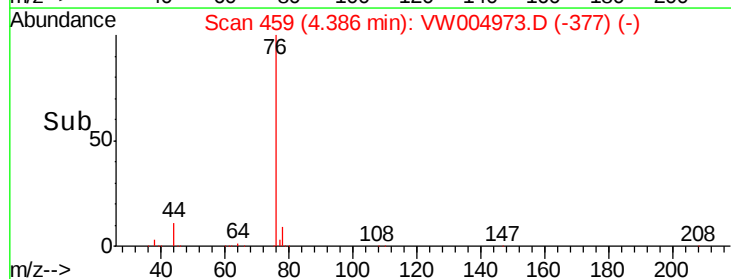
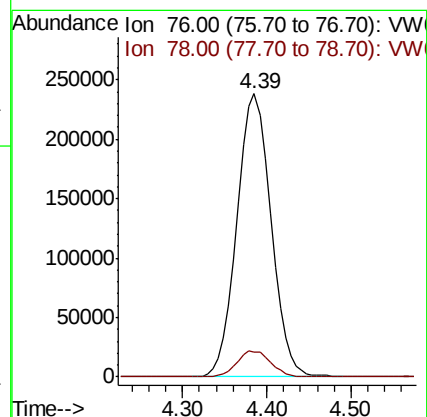
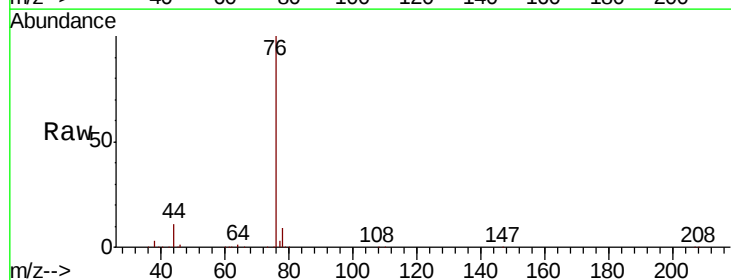
Acq: 27 Aug 2018 19:16

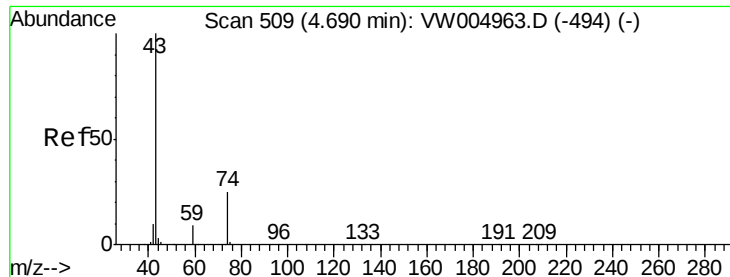
Tgt Ion: 76 Resp: 654630

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

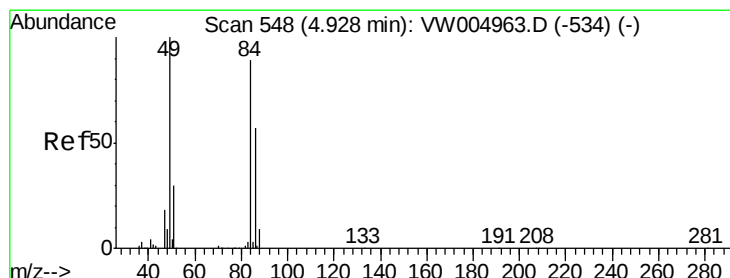
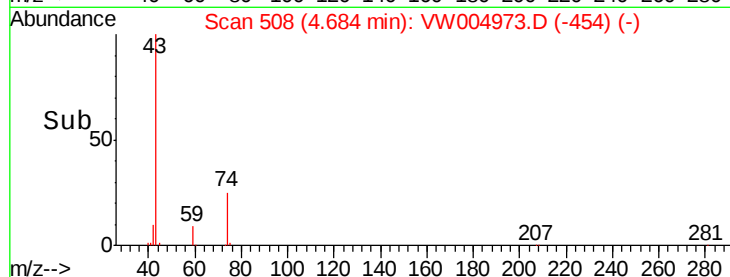
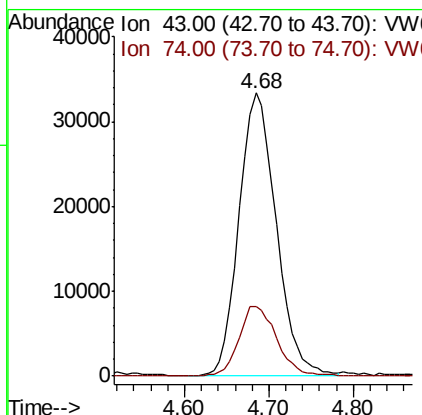
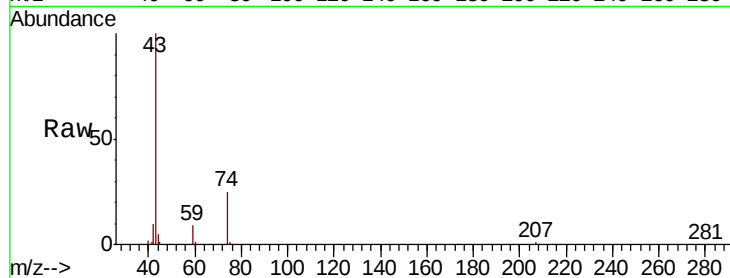




#15
Methyl Acetate
Concen: 24.595 ug/L
RT: 4.68 min Scan# 508
Delta R.T. 0.00 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

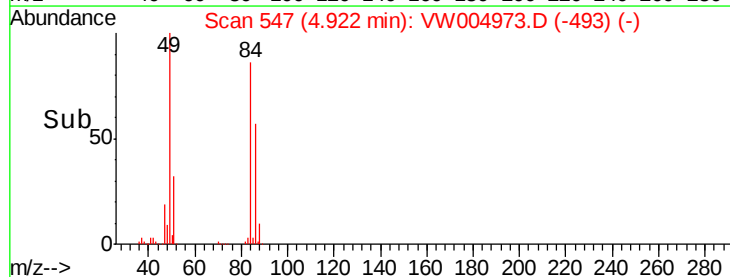
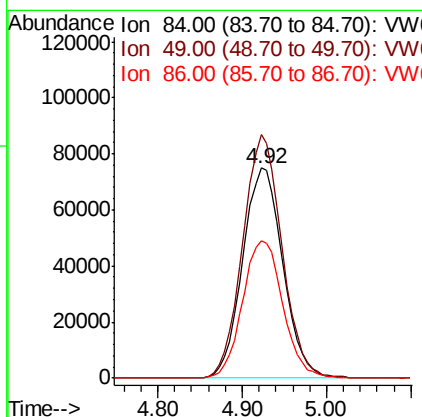
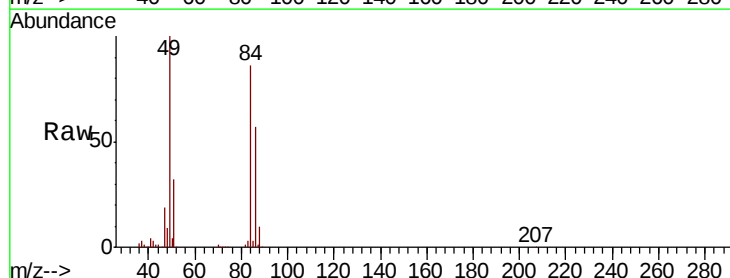
Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

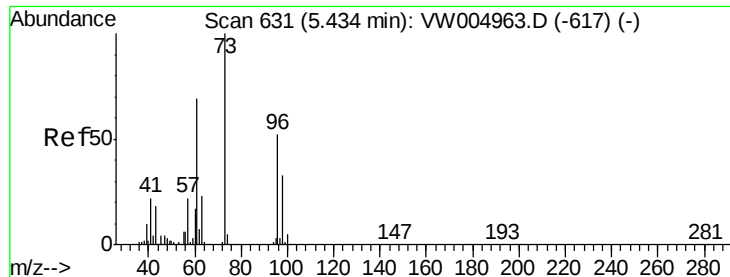
Tgt Ion: 43 Resp: 100277
Ion Ratio Lower Upper
43 100
74 24.6 18.6 27.8



#16
Methylene chloride
Concen: 20.794 ug/L
RT: 4.92 min Scan# 547
Delta R.T. 0.00 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

Tgt Ion: 84 Resp: 244008
Ion Ratio Lower Upper
84 100
49 116.1 83.8 155.6
86 65.7 42.6 79.0

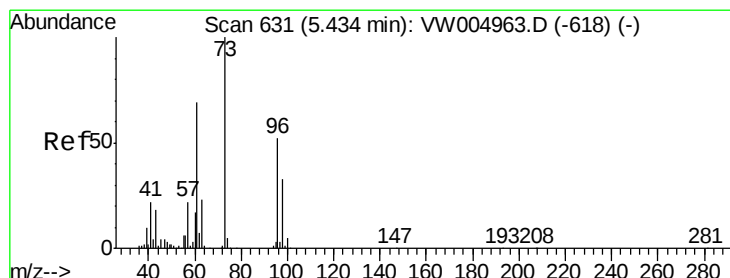
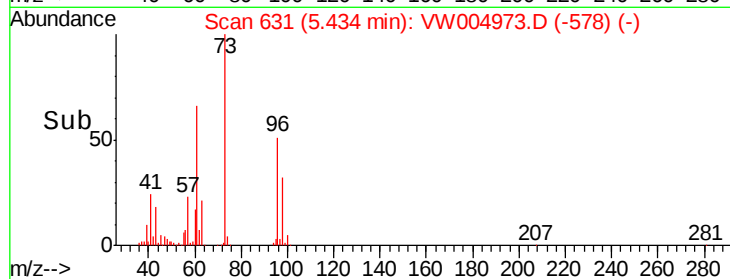
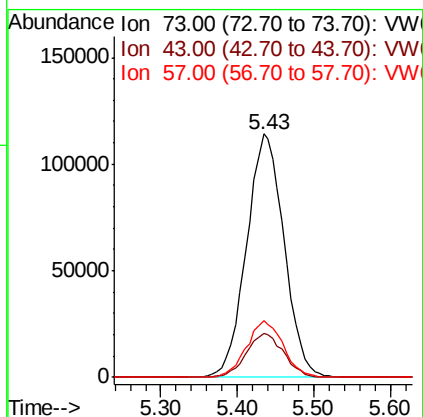
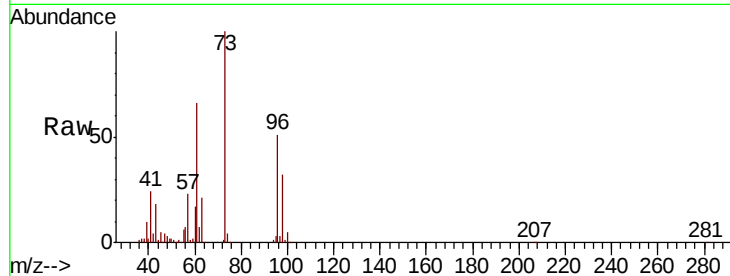




#17
Methyl tert-butyl Ether
Concen: 25.541 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.01 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

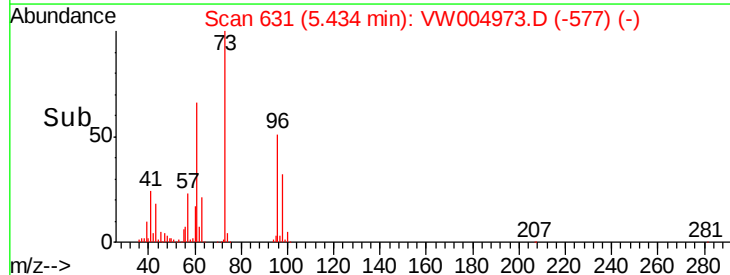
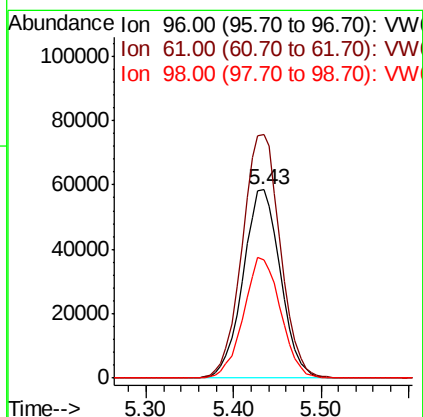
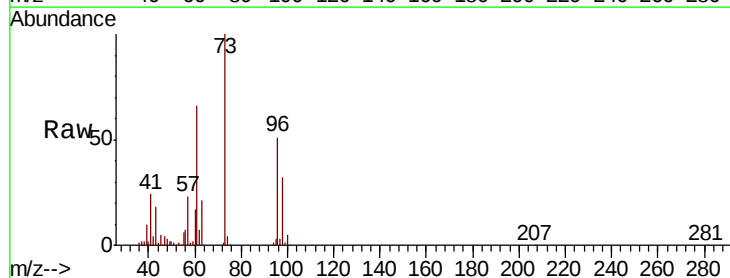
Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

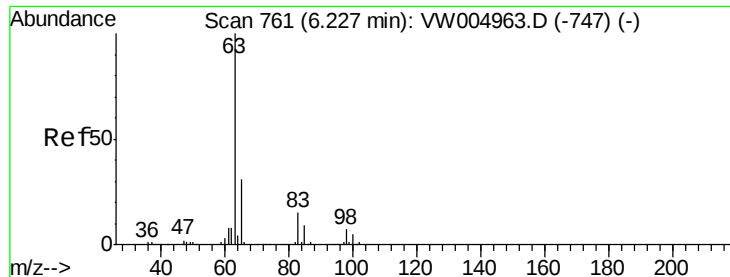
Tgt Ion: 73 Resp: 388692
Ion Ratio Lower Upper
73 100
43 18.1 14.6 22.0
57 22.7 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 23.732 ug/L
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

Tgt Ion: 96 Resp: 174106
Ion Ratio Lower Upper
96 100
61 129.2 92.5 171.9
98 62.9 42.8 79.4

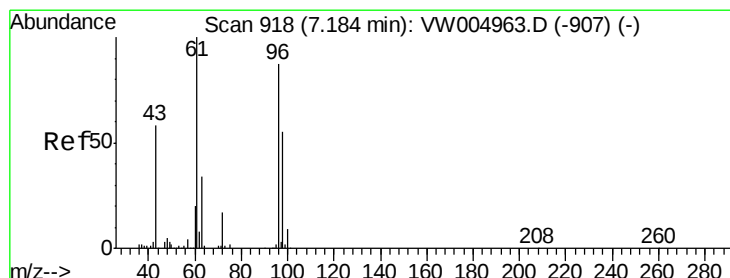
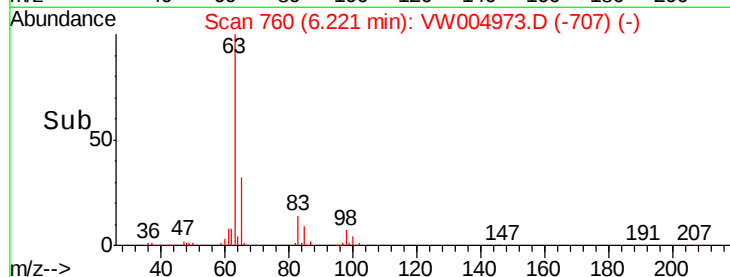
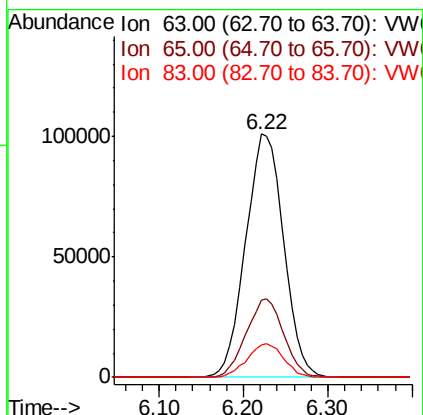
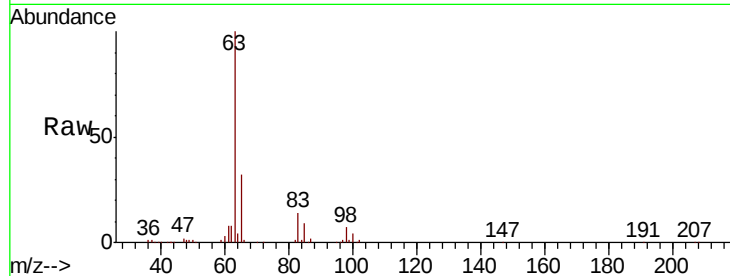




#19
 1,1-Dichloroethane
 Concen: 23.258 ug/L
 RT: 6.22 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VW004973.D
 Acq: 27 Aug 2018 19:16

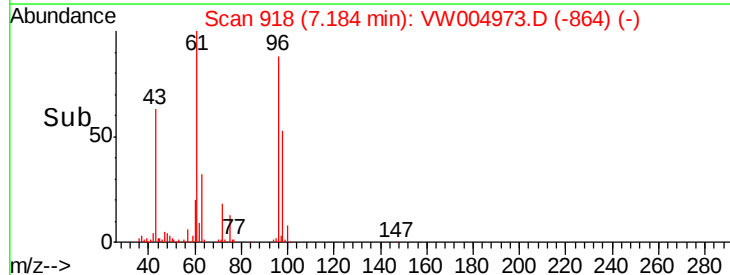
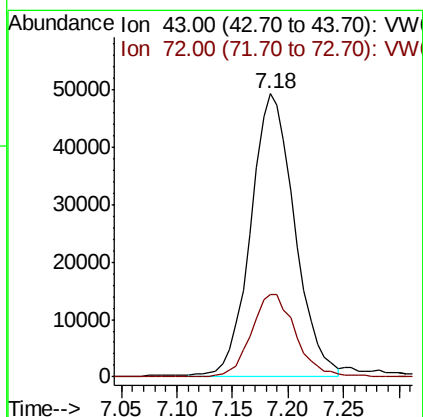
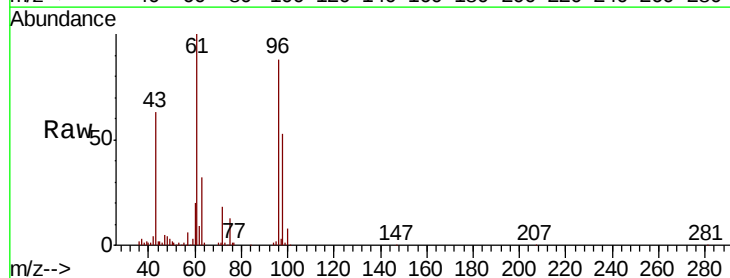
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

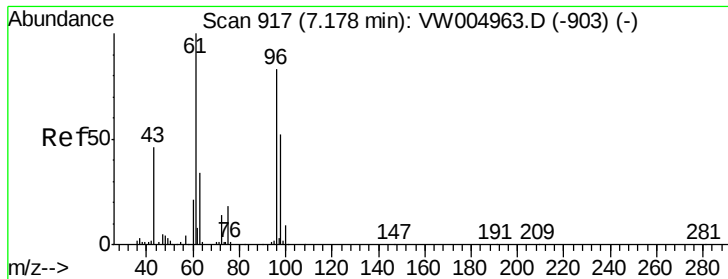
Tgt Ion: 63 Resp: 311464
 Ion Ratio Lower Upper
 63 100
 65 31.7 20.5 38.1
 83 13.5 8.8 16.4



#21
 2-Butanone
 Concen: 48.740 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VW004973.D
 Acq: 27 Aug 2018 19:16

Tgt Ion: 43 Resp: 135330
 Ion Ratio Lower Upper
 43 100
 72 29.4 14.2 42.8



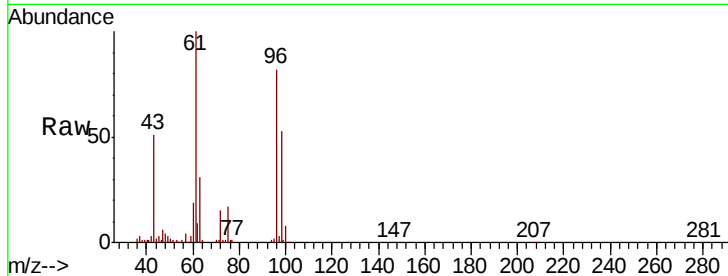


#22

cis-1,2-Dichloroethene
 Concen: 23.889 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VW004973.D
 Acq: 27 Aug 2018 19:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

Tgt Ion:	96	Resp:	189119
Ion	Ratio	Lower	Upper
96	100		
61	121.8	89.7	166.7
98	64.7	45.0	83.6

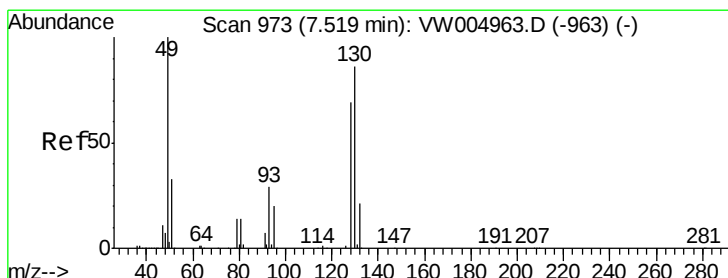
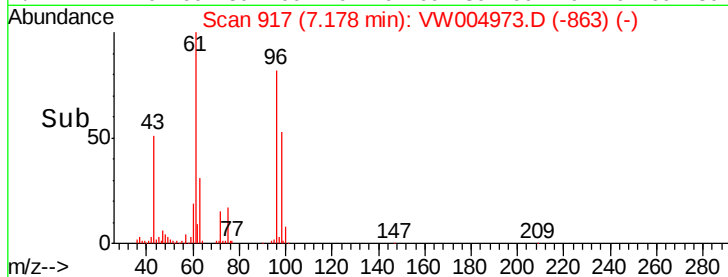
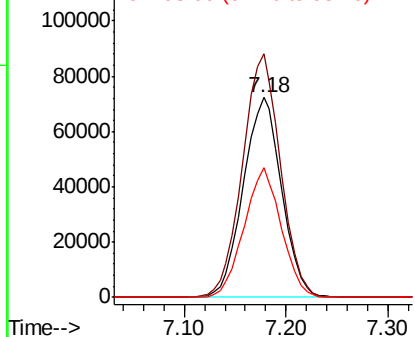


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

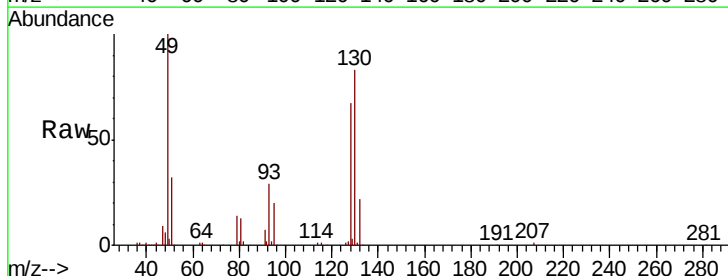
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane
 Concen: 24.020 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VW004973.D
 Acq: 27 Aug 2018 19:16

Tgt Ion:	128	Resp:	100411
Ion	Ratio	Lower	Upper
128	100		
49	148.4	111.3	206.7
130	122.6	90.2	167.6
51	47.3	39.3	58.9



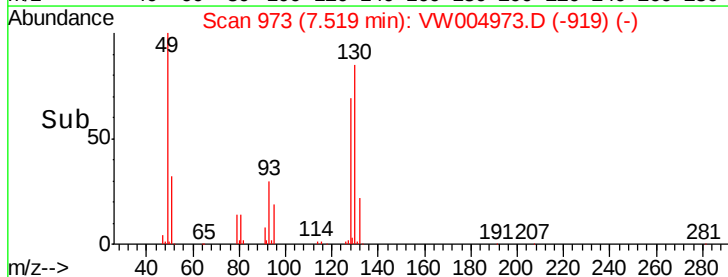
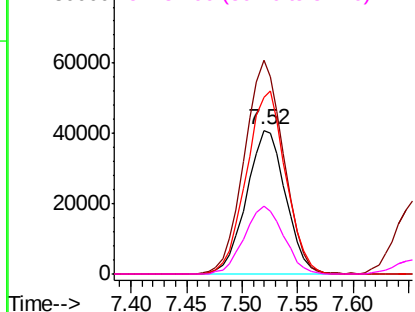
Abundance

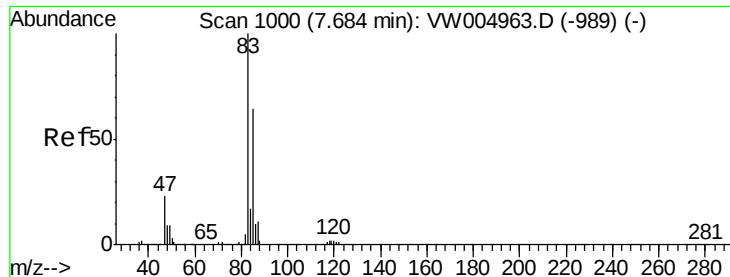
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 24.005 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

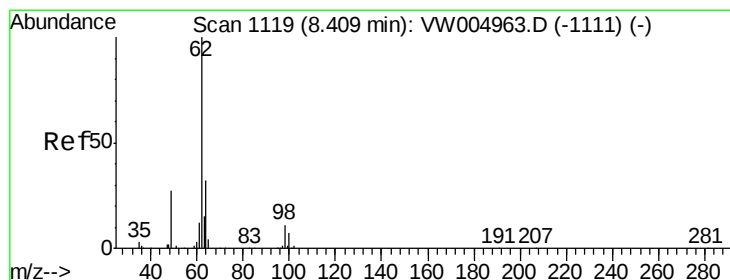
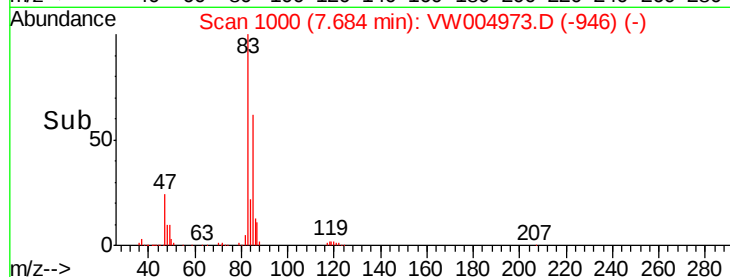
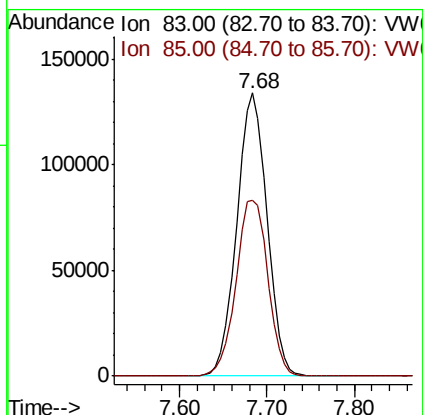
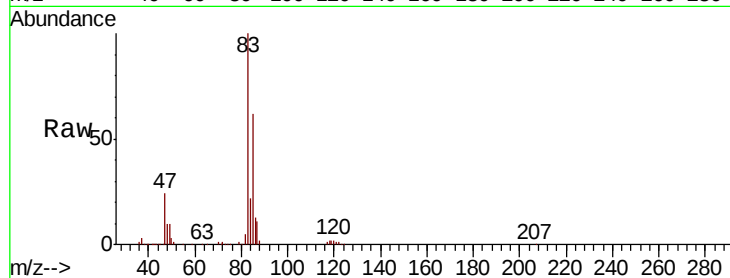
VSTD02584

Tgt Ion: 83 Resp: 322206

Ion Ratio Lower Upper

83 100

85 65.7 46.3 85.9



#27

1,2-Dichloroethane

Concen: 23.605 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VW004973.D

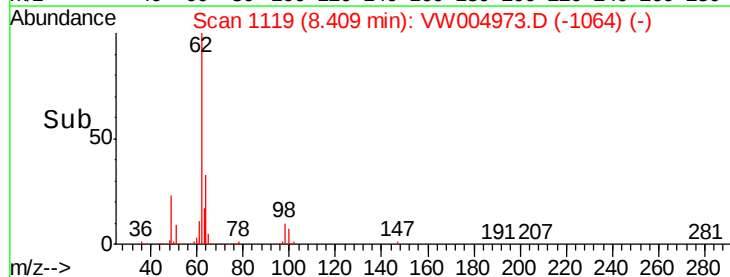
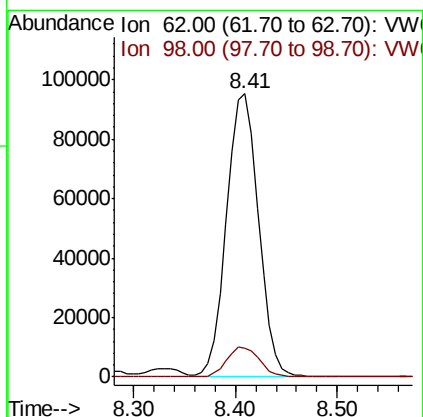
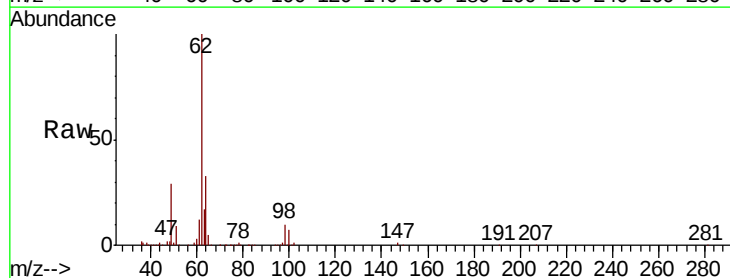
Acq: 27 Aug 2018 19:16

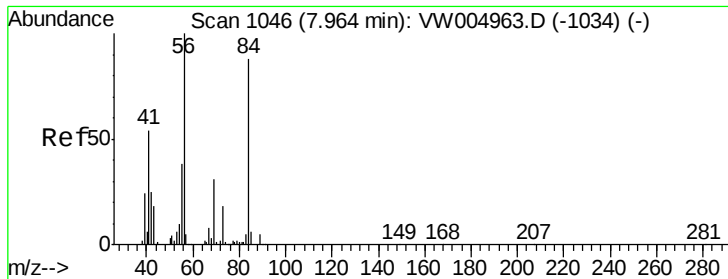
Tgt Ion: 62 Resp: 207667

Ion Ratio Lower Upper

62 100

98 10.3 8.0 12.0

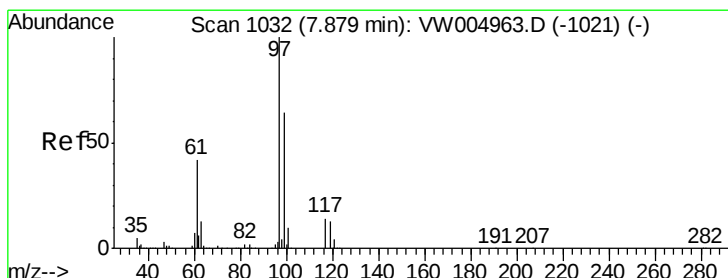
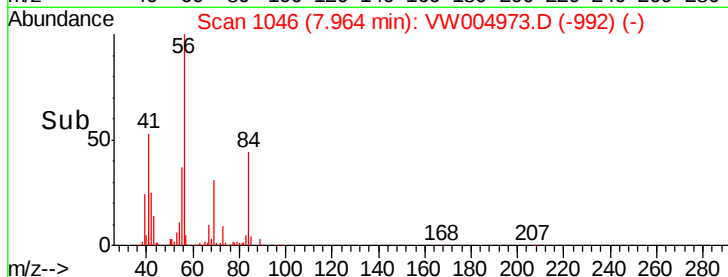
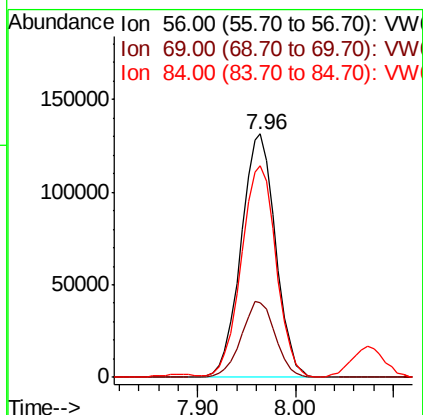
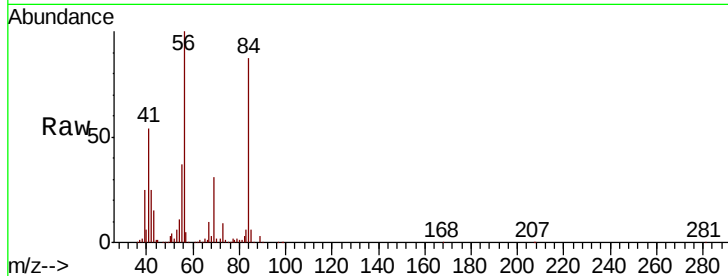




#30
Cyclohexane
Concen: 24.262 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

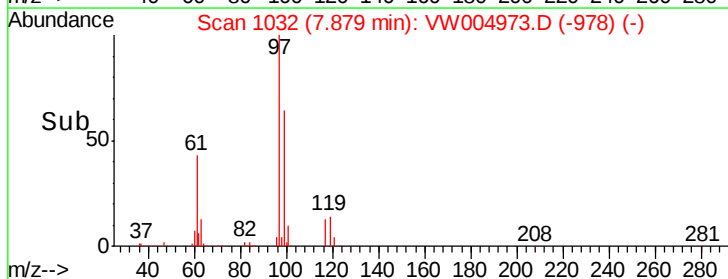
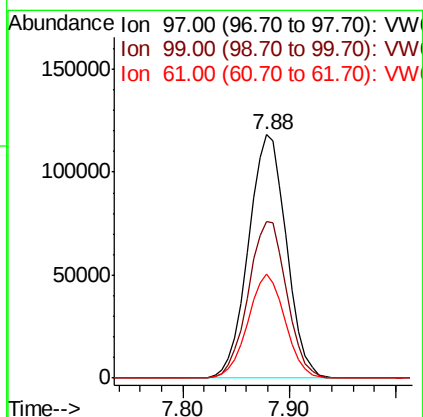
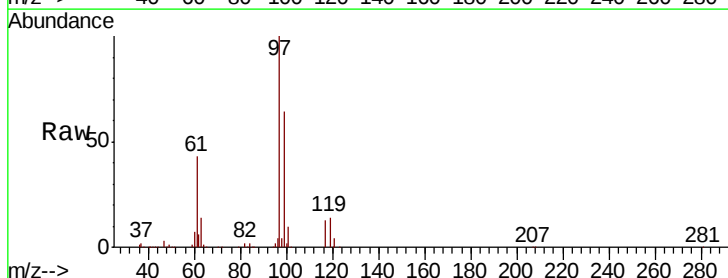
Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

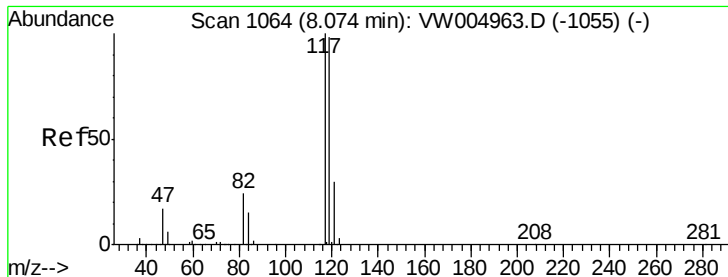
Tgt Ion	Resp	Lower	Upper
56	321039		
69	30.8	24.1	36.1
84	88.1	67.7	101.5



#31
1,1,1-Trichloroethane
Concen: 24.694 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

Tgt Ion	Resp	Lower	Upper
97	295644		
99	64.8	51.2	76.8
61	41.8	34.9	52.3





#32

Carbon tetrachloride

Concen: 25.061 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

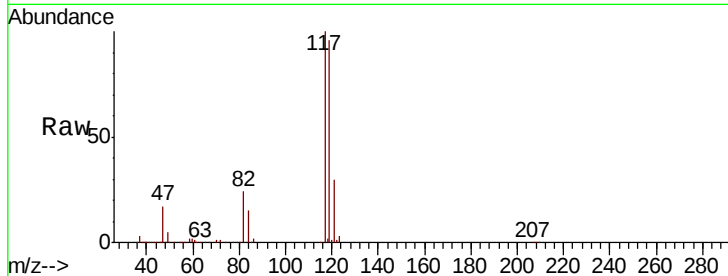
VSTD02584

Tgt Ion:117 Resp: 268371

Ion Ratio Lower Upper

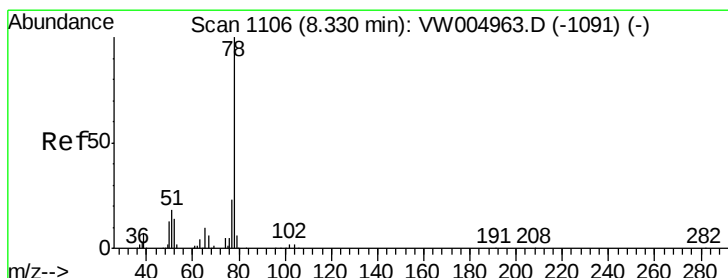
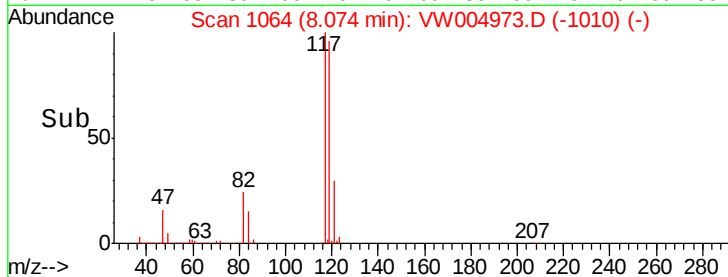
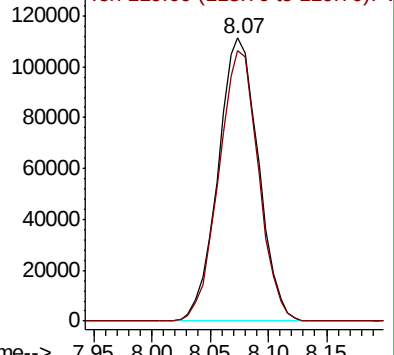
117 100

119 94.6 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.846 ug/L

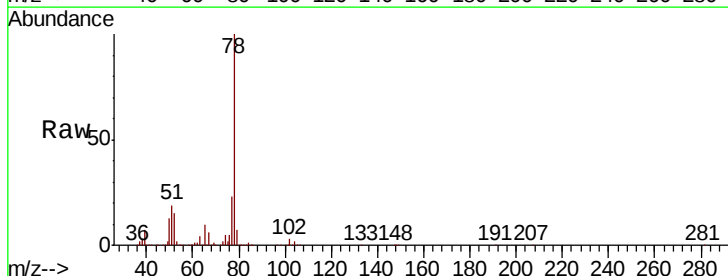
RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

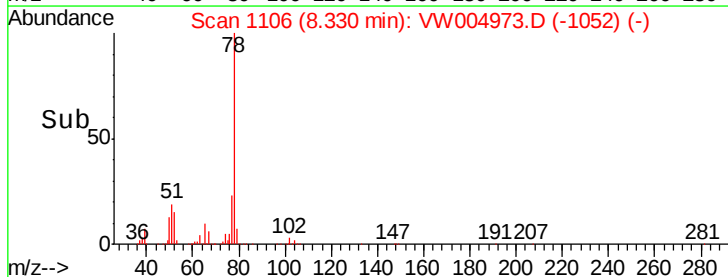
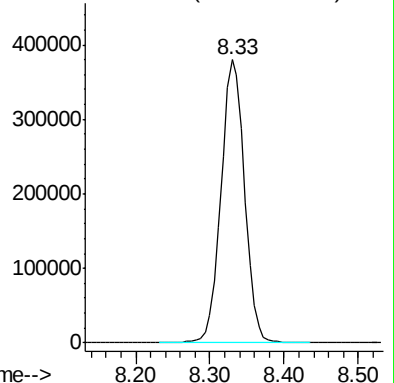
Lab File: VW004973.D

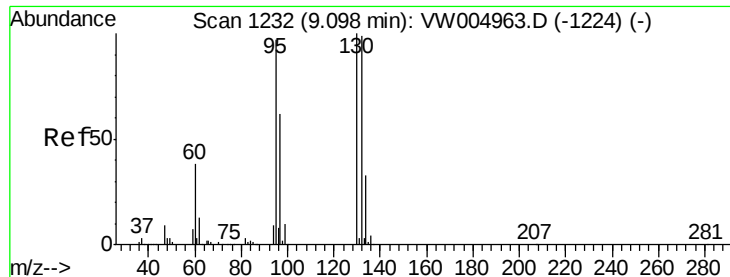
Acq: 27 Aug 2018 19:16

Tgt Ion: 78 Resp: 845140



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.505 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

Tgt Ion: 95 Resp: 207147

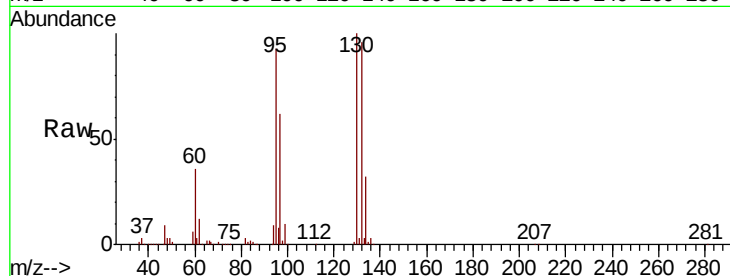
Ion Ratio Lower Upper

95 100

97 65.0 45.9 85.3

132 101.5 69.2 128.4

130 105.8 72.7 135.1

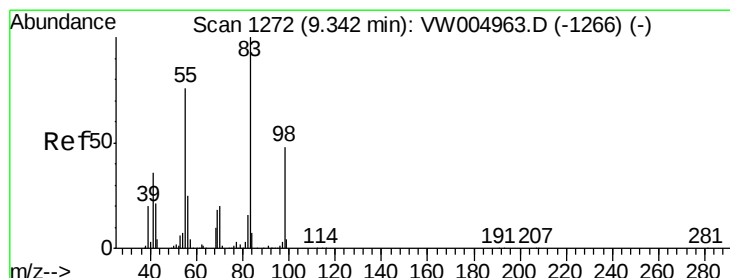
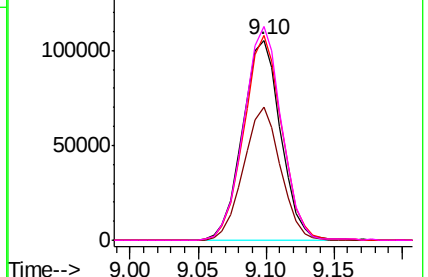
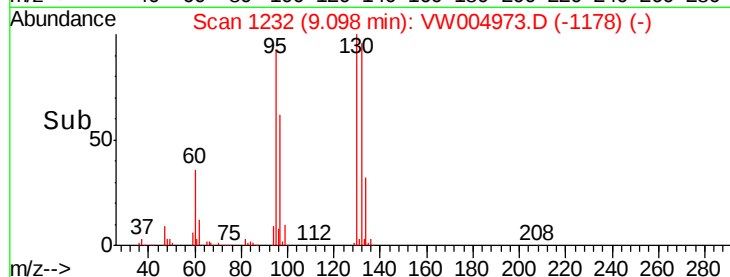


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 22.555 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

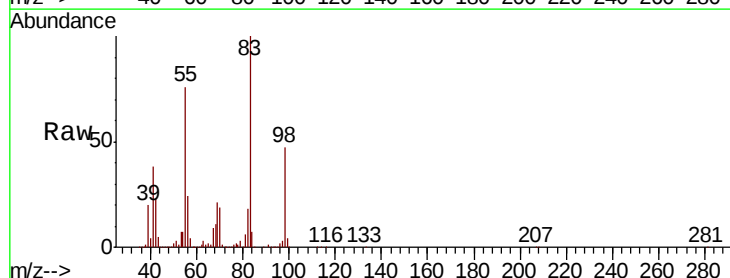
Tgt Ion: 83 Resp: 367668

Ion Ratio Lower Upper

83 100

55 75.7 61.1 91.7

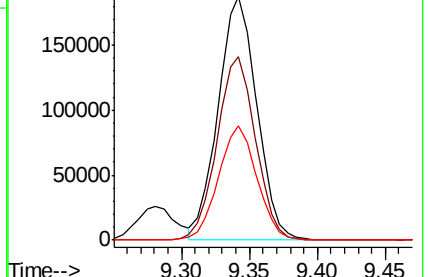
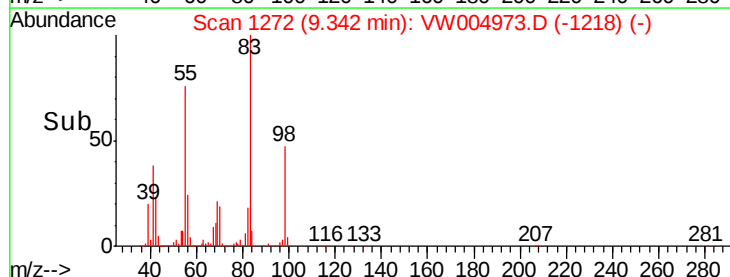
98 47.2 37.0 55.4

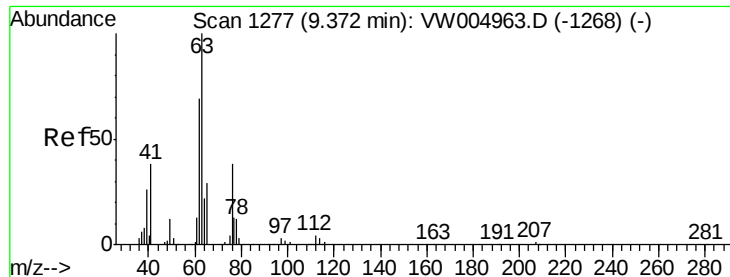


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

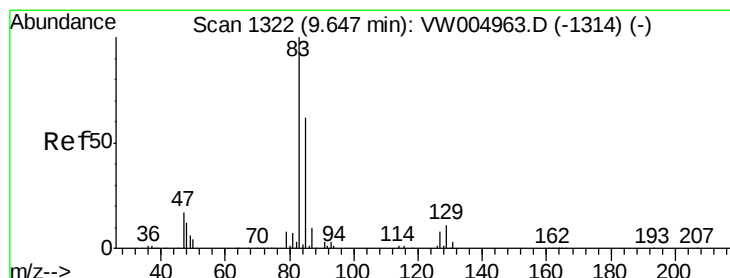
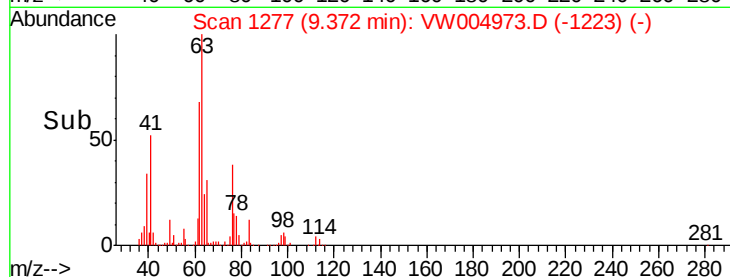
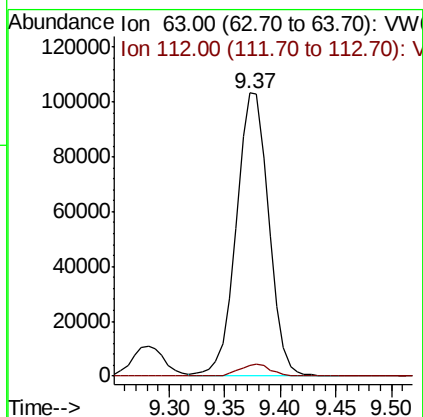
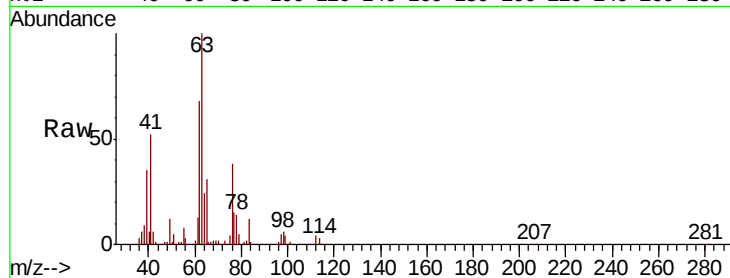




#40
 1,2-Dichloropropane
 Concen: 24.009 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004973.D
 Acq: 27 Aug 2018 19:16

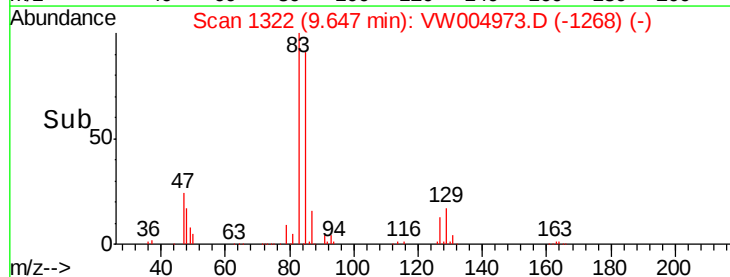
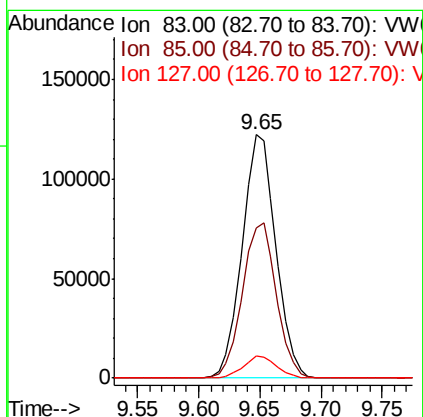
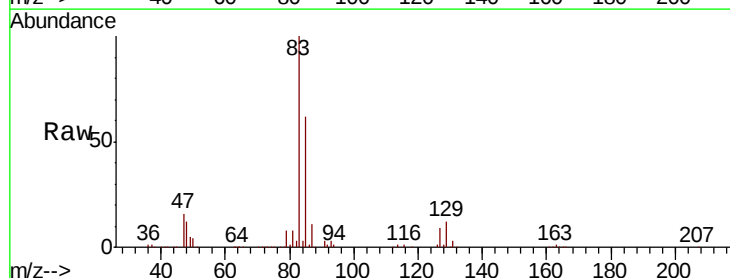
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

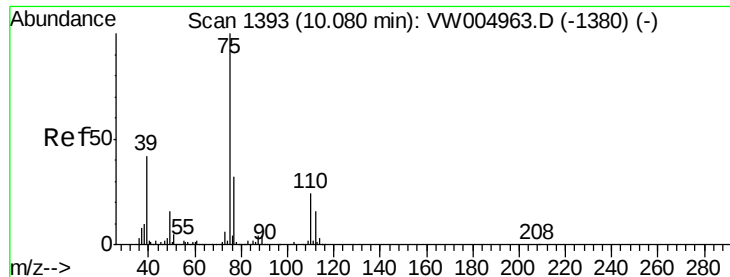
Tgt Ion: 63 Resp: 209324
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.2 4.8



#41
 Bromodichloromethane
 Concen: 24.295 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004973.D
 Acq: 27 Aug 2018 19:16

Tgt Ion: 83 Resp: 233389
 Ion Ratio Lower Upper
 83 100
 85 61.9 43.6 81.0
 127 9.1 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 24.054 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

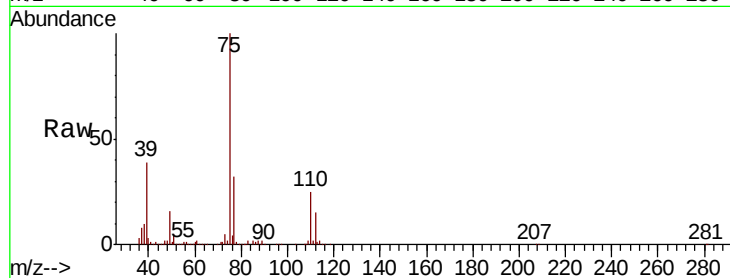
VSTD02584

Tgt Ion: 75 Resp: 291106

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

150000

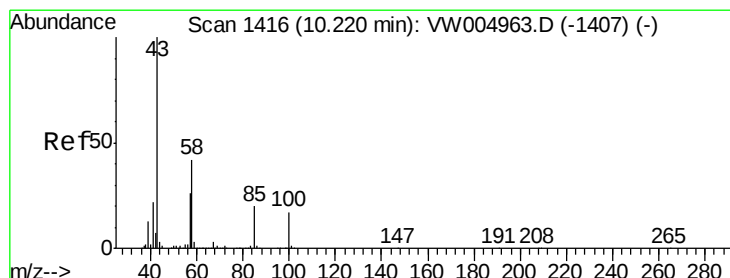
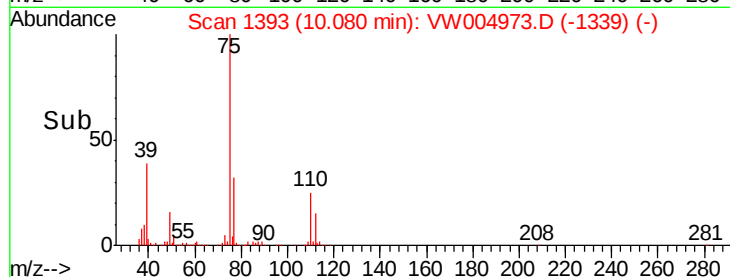
100000

50000

0

10.00 10.10 10.20

Time-->



#43

4-Methyl-2-pentanone

Concen: 50.595 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

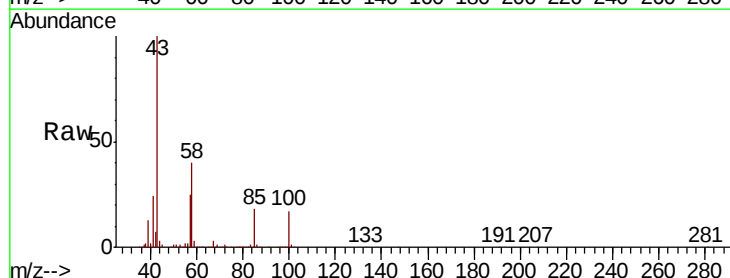
Tgt Ion: 43 Resp: 325626

Ion Ratio Lower Upper

43 100

58 41.3 32.1 48.1

100 16.9 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

400000

300000

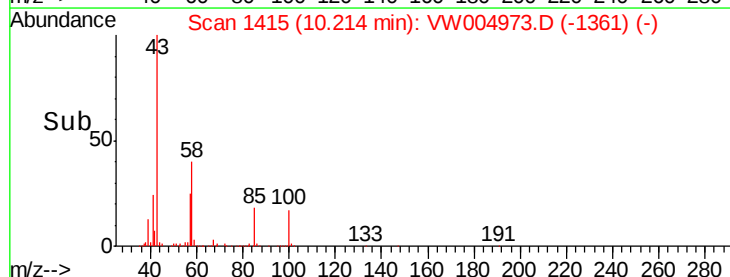
200000

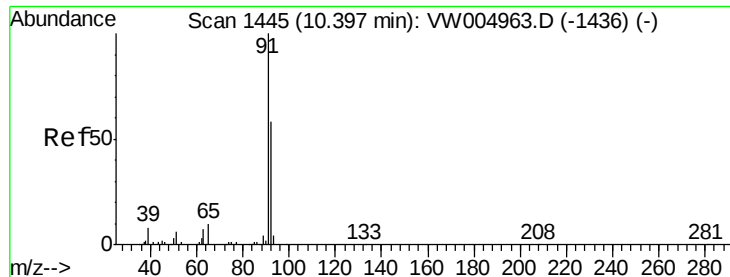
100000

0

10.10 10.20 10.30

Time-->





#44

Toluene

Concen: 23.889 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

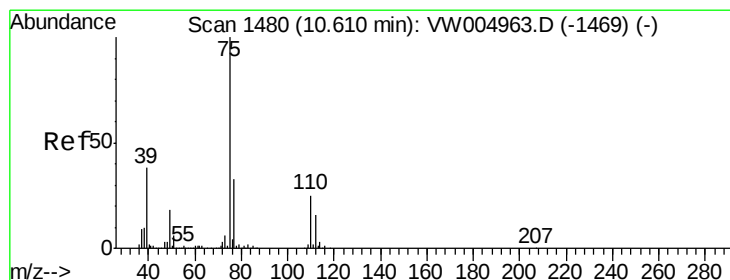
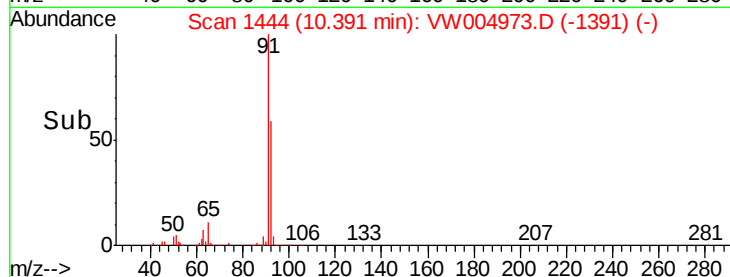
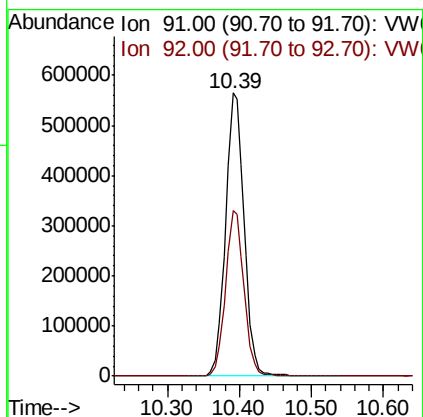
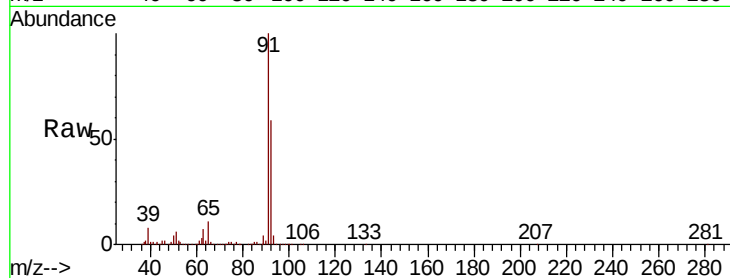
VSTD02584

Tgt Ion: 91 Resp: 1016778

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 23.850 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004973.D

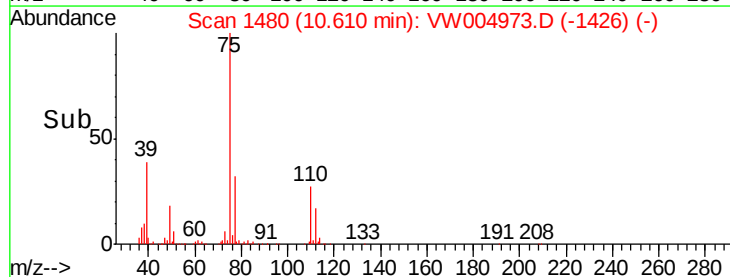
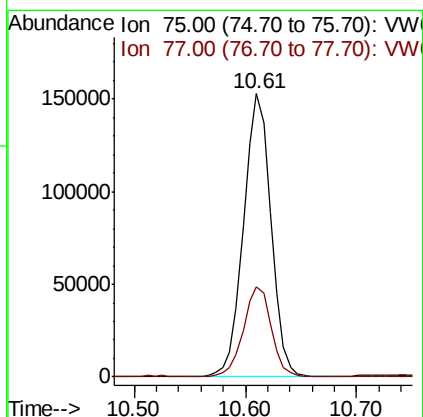
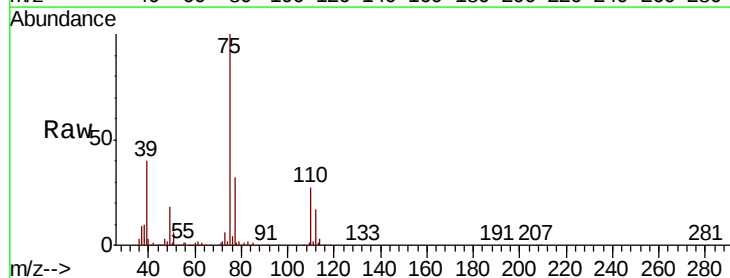
Acq: 27 Aug 2018 19:16

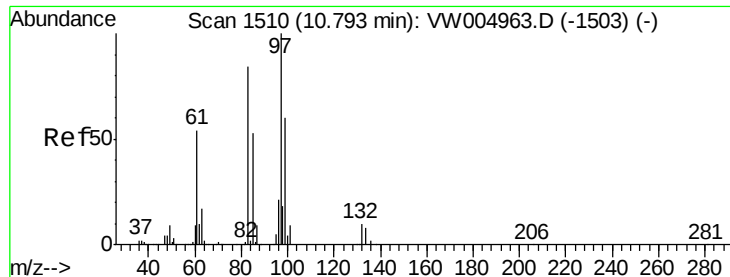
Tgt Ion: 75 Resp: 261778

Ion Ratio Lower Upper

75 100

77 31.8 22.2 41.2

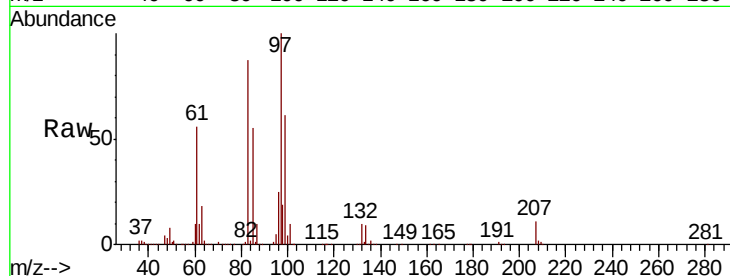




#46
1,1,2-Trichloroethane
Concen: 24.210 ug/L
RT: 10.79 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

Tgt Ion:	97	Resp:	164748
Ion	Ratio	Lower	Upper
97	100		
83	86.7	59.6	110.8
85	55.3	38.1	70.9
99	61.1	43.8	81.3



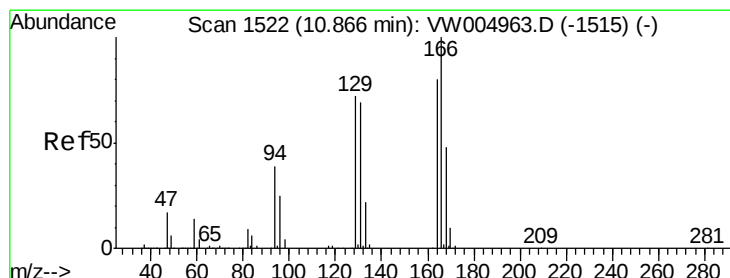
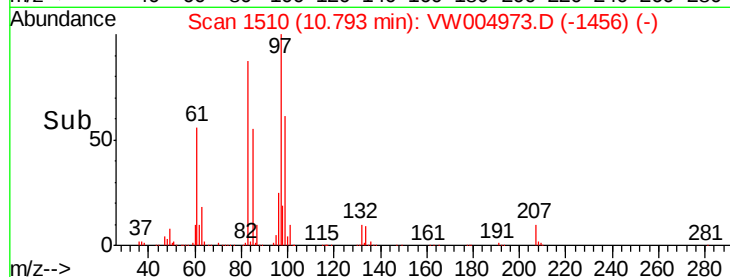
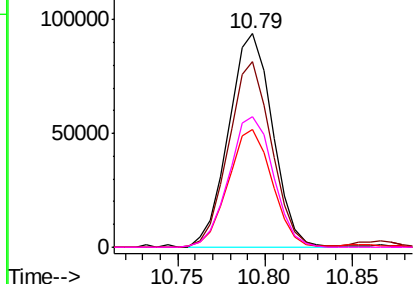
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

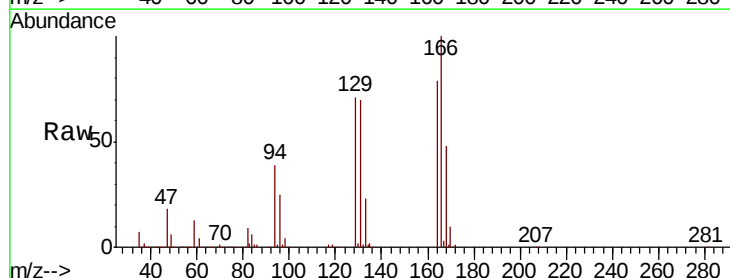
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 24.083 ug/L
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

Tgt Ion:	164	Resp:	207790
Ion	Ratio	Lower	Upper
164	100		
129	89.7	66.8	124.0
131	88.8	64.0	119.0
166	127.1	89.8	166.8



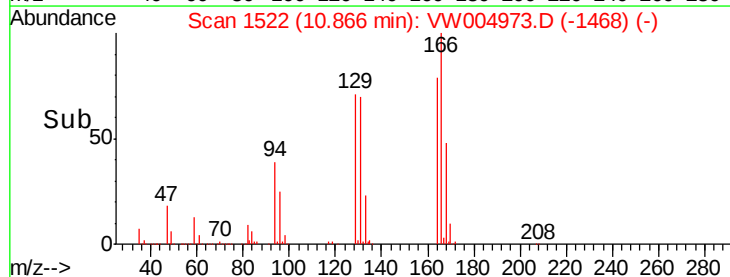
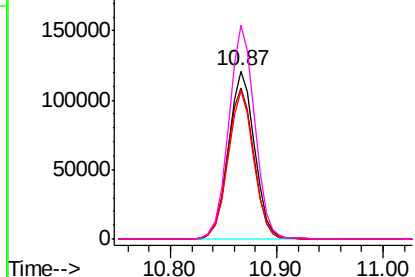
Abundance

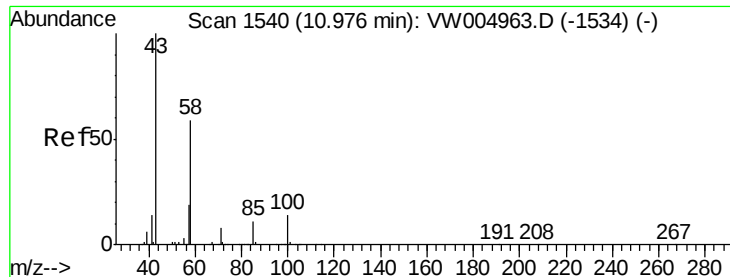
Ion 164.00 (163.70 to 164.70): V

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

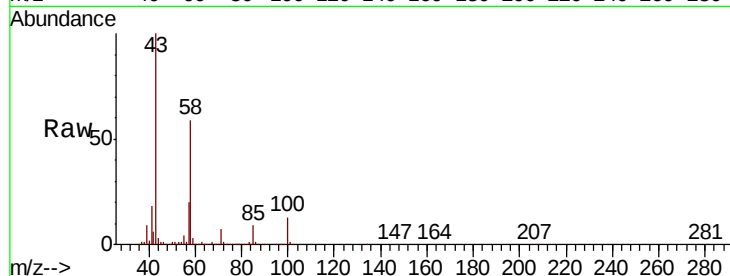




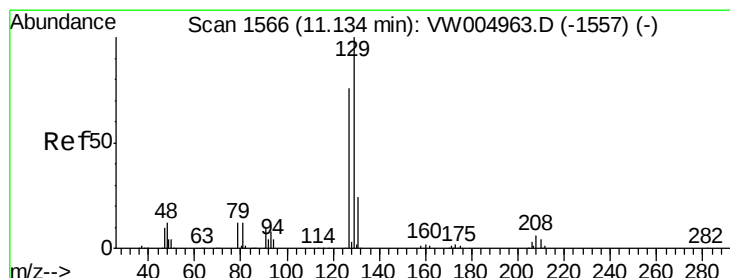
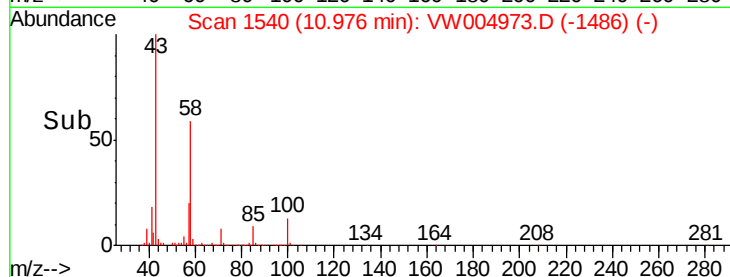
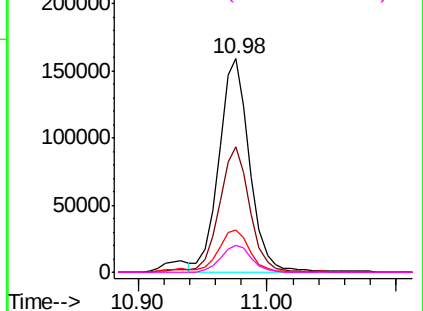
#49
2-Hexanone
Concen: 53.355 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

Tgt Ion:	43	Resp:	265365
Ion	Ratio	Lower	Upper
43	100		
58	57.5	44.6	67.0
57	20.0	15.4	23.2
100	12.7	9.6	14.4

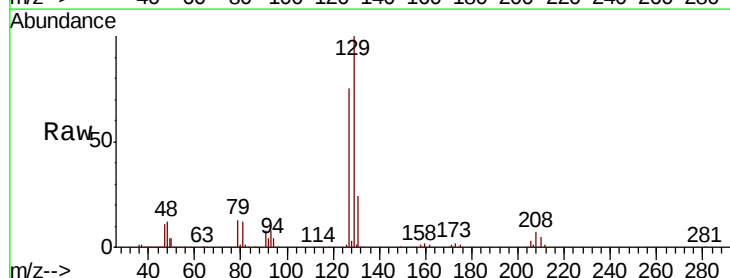


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

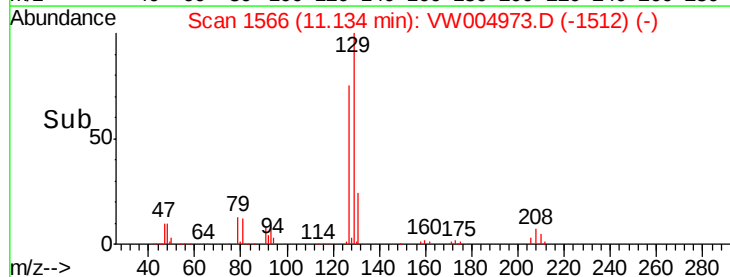
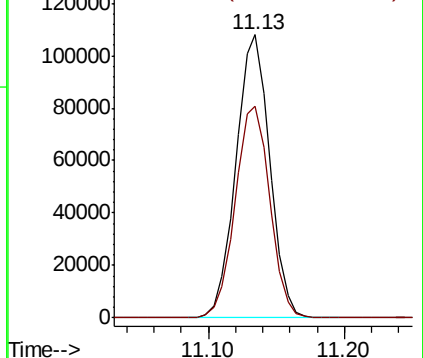


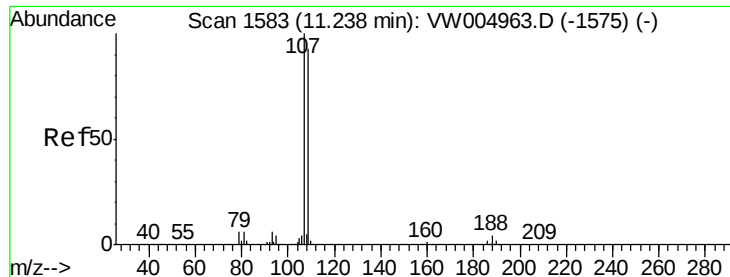
#50
Dibromochloromethane
Concen: 24.809 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

Tgt Ion:	129	Resp:	187435
Ion	Ratio	Lower	Upper
129	100		
127	74.8	53.8	99.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 24.267 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

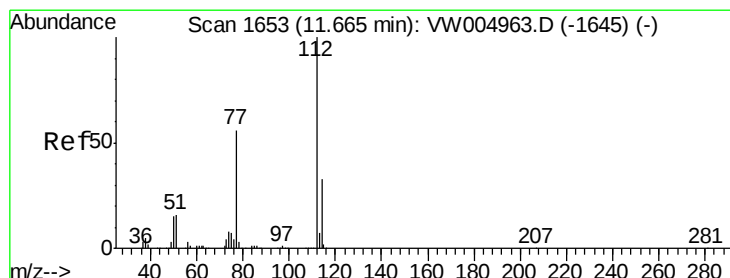
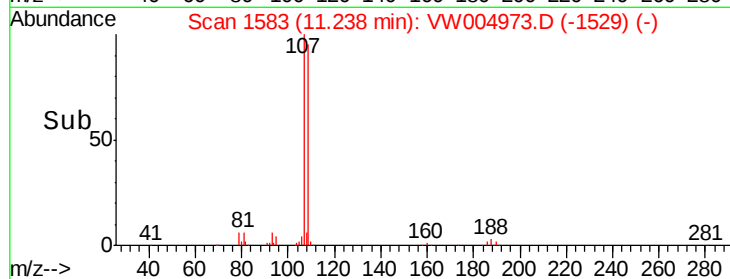
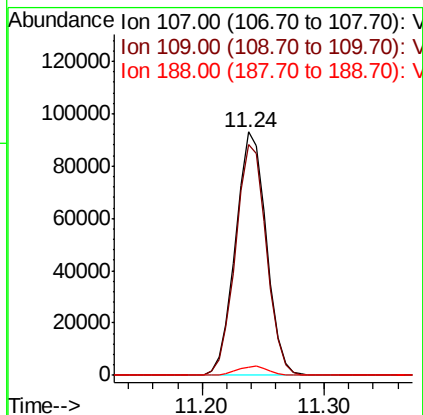
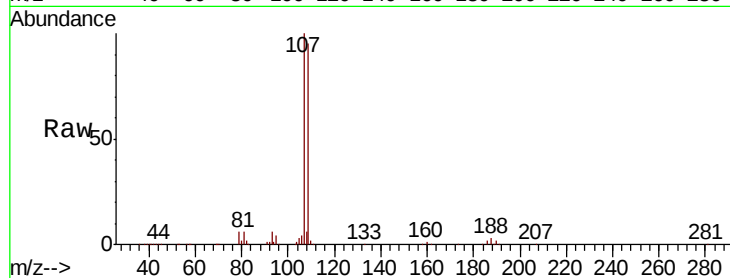
Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

Tgt Ion:	107	Resp:	162111
Ion	Ratio	Lower	Upper
107	100		
109	94.6	67.3	124.9
188	3.4	3.0	4.6



#52

Chlorobenzene

Concen: 23.461 ug/L

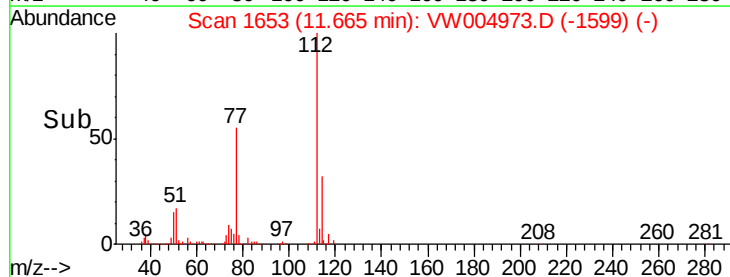
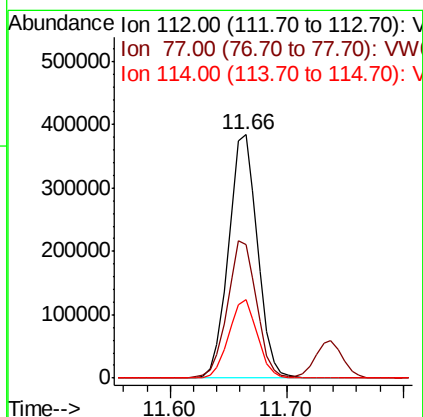
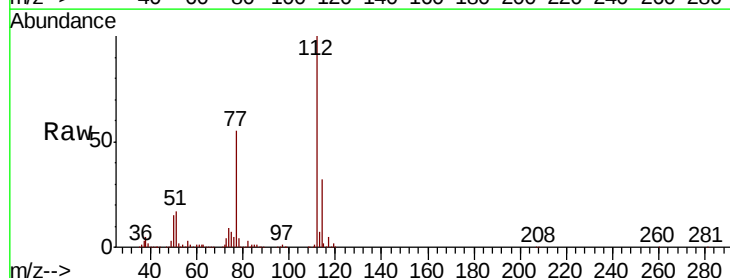
RT: 11.66 min Scan# 1653

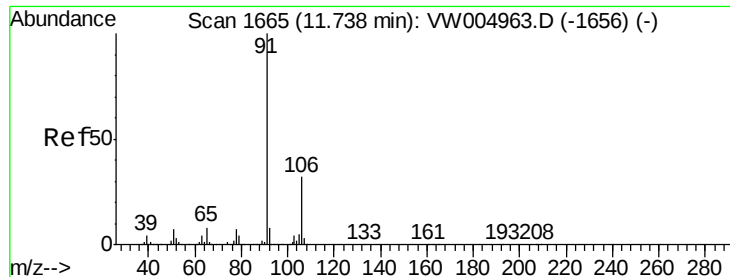
Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Tgt Ion:	112	Resp:	663336
Ion	Ratio	Lower	Upper
112	100		
77	55.0	45.8	68.8
114	32.2	22.5	41.7





#53

Ethylbenzene

Concen: 23.789 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

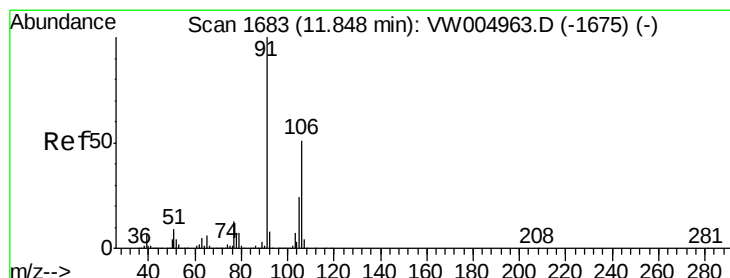
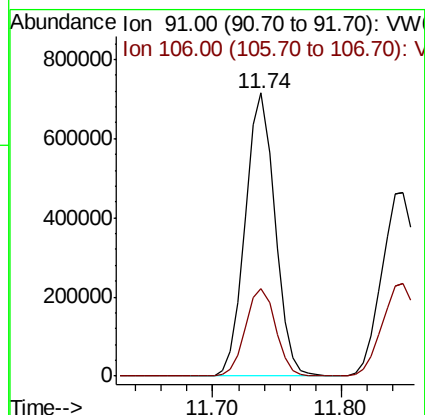
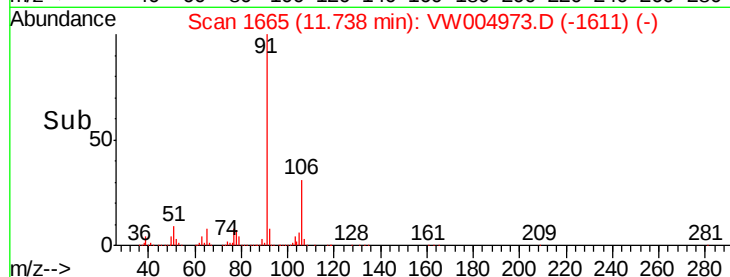
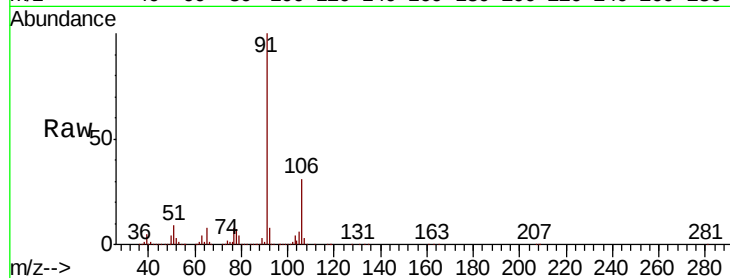
VSTD02584

Tgt Ion: 91 Resp: 1139341

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.2



#54

m,p-Xylene

Concen: 24.313 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004973.D

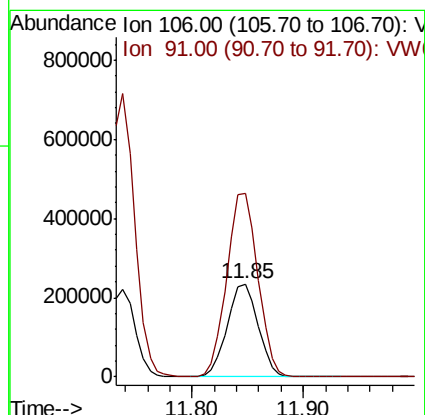
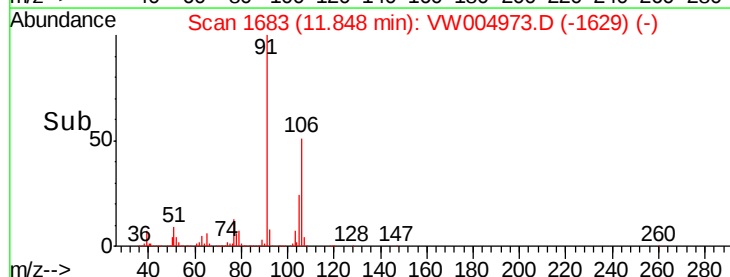
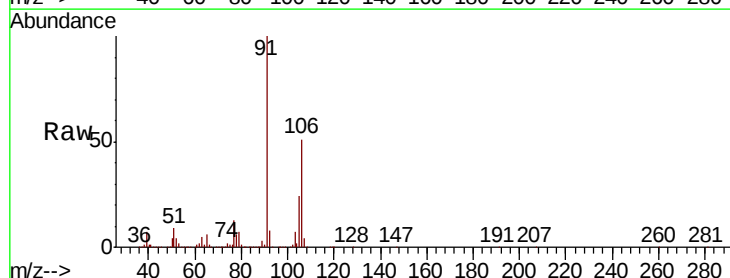
Acq: 27 Aug 2018 19:16

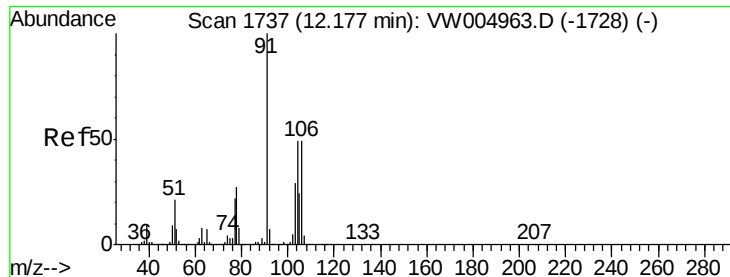
Tgt Ion: 106 Resp: 451739

Ion Ratio Lower Upper

106 100

91 197.3 141.4 262.6

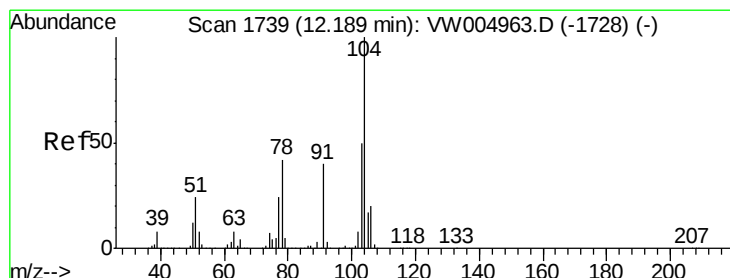
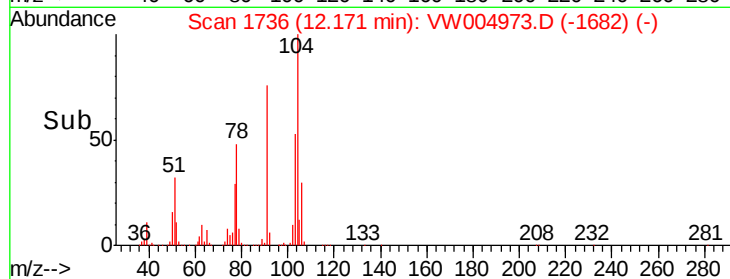
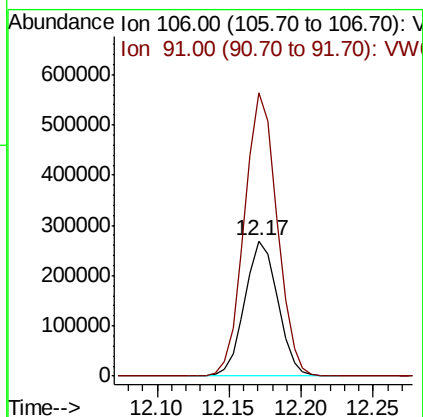
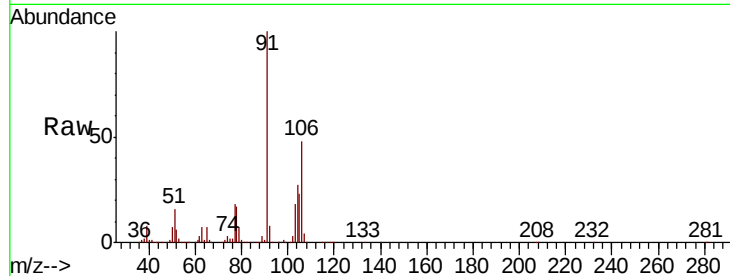




#55
o-xylene
Concen: 24.597 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

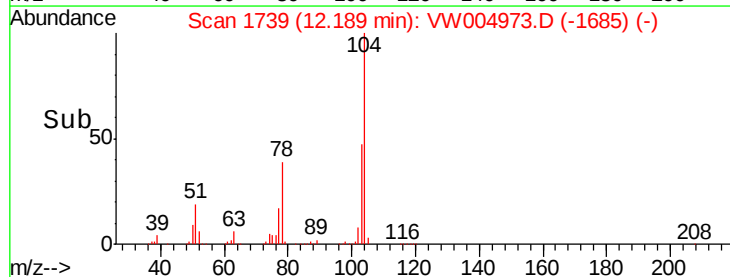
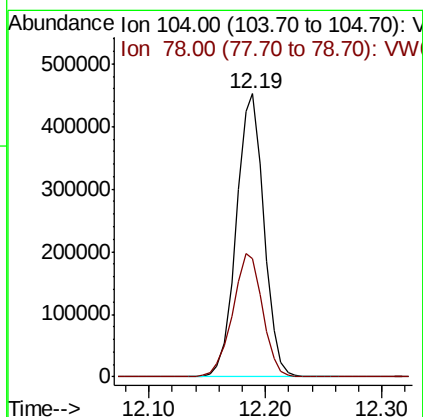
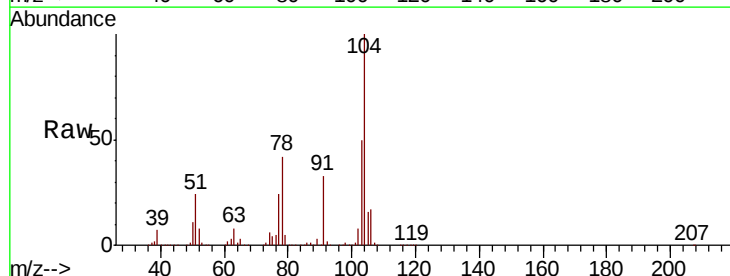
Instrument :
MSVOA_W
ClientSampleId :
VSTD02584

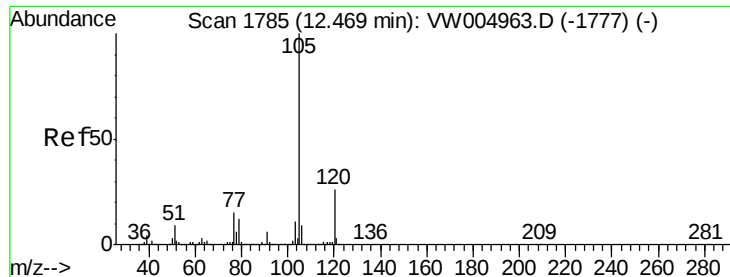
Tgt Ion:106 Resp: 427012
Ion Ratio Lower Upper
106 100
91 209.3 147.0 273.0



#56
Styrene
Concen: 25.053 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004973.D
Acq: 27 Aug 2018 19:16

Tgt Ion:104 Resp: 747286
Ion Ratio Lower Upper
104 100
78 41.6 29.8 55.3





#57

Isopropylbenzene

Concen: 24.610 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

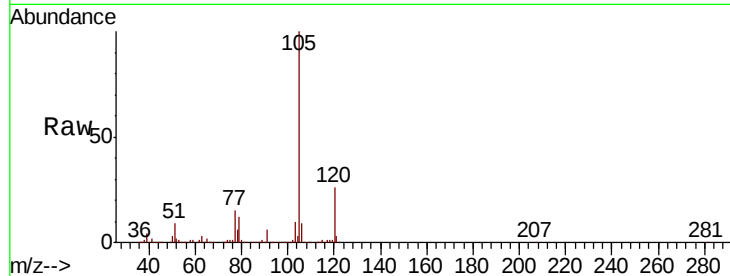
Tgt Ion: 105 Resp: 1141198

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

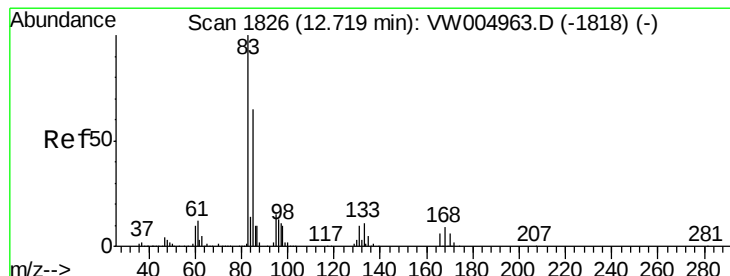
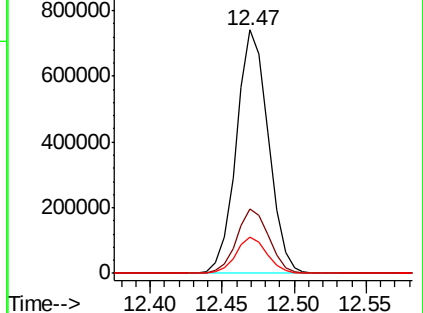
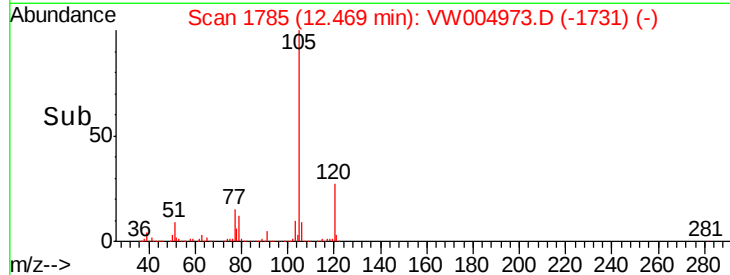
77 14.6 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.983 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

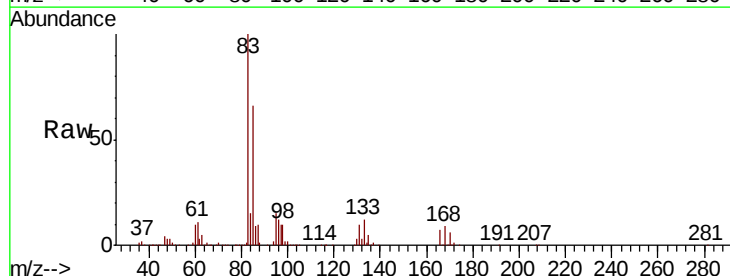
Tgt Ion: 83 Resp: 242301

Ion Ratio Lower Upper

83 100

85 66.0 46.3 85.9

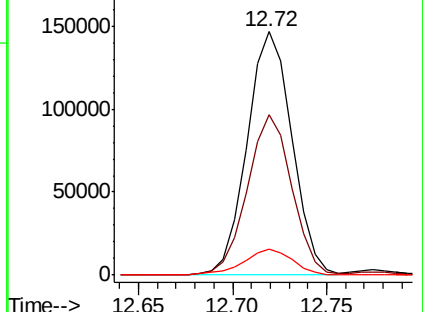
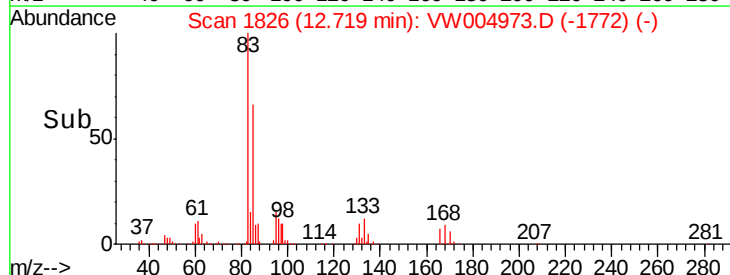
131 10.5 7.8 11.6

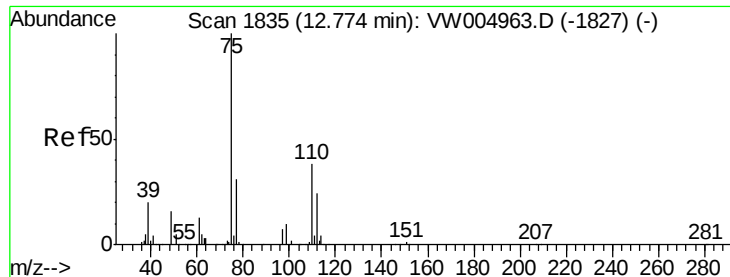


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.805 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

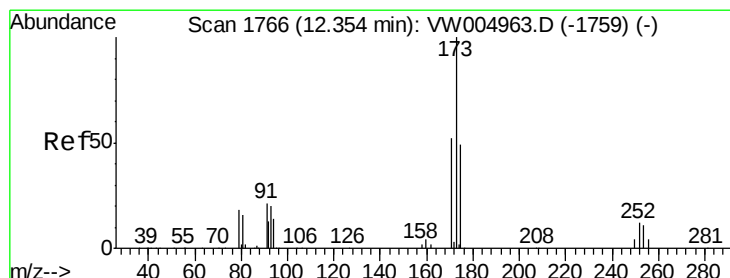
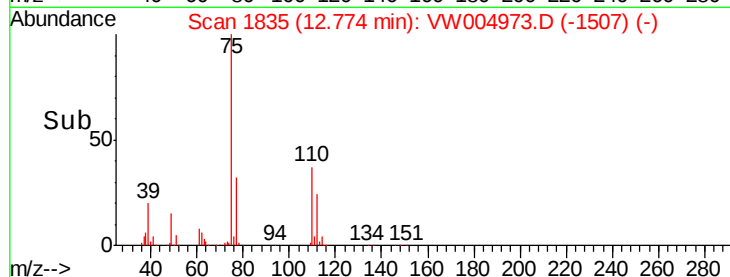
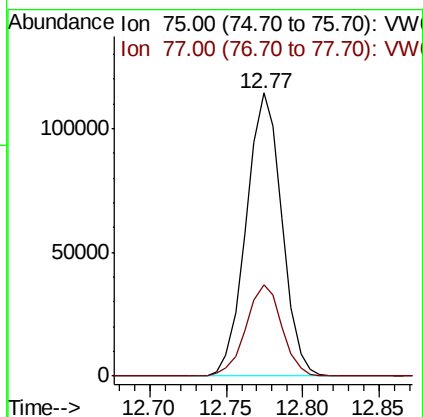
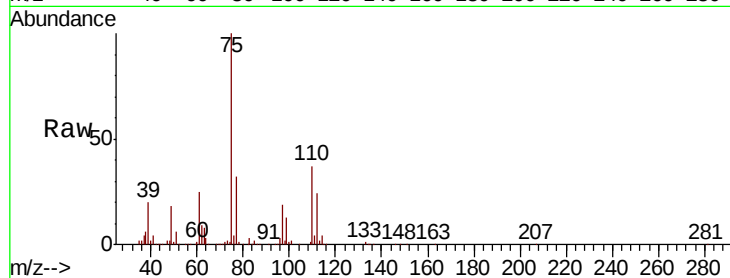
VSTD02584

Tgt Ion: 75 Resp: 185382

Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9



#62

Bromoform

Concen: 24.010 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

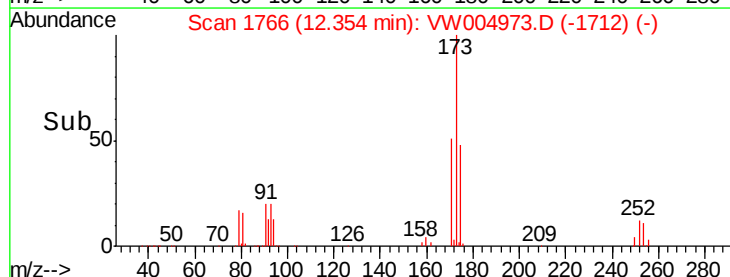
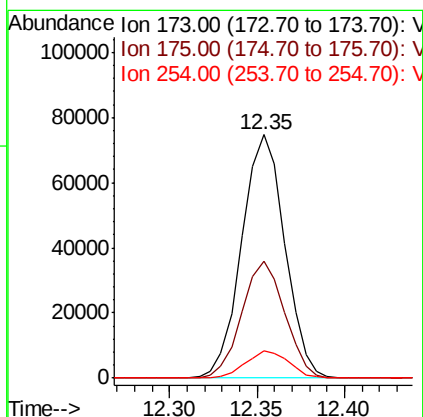
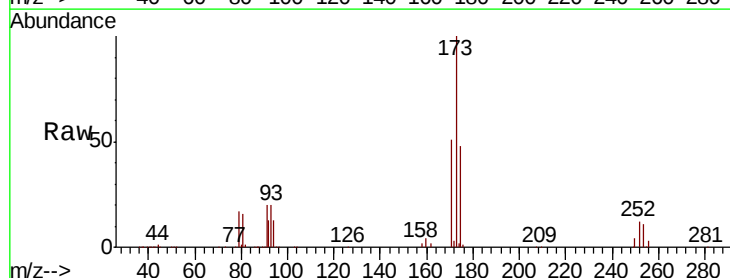
Tgt Ion: 173 Resp: 128276

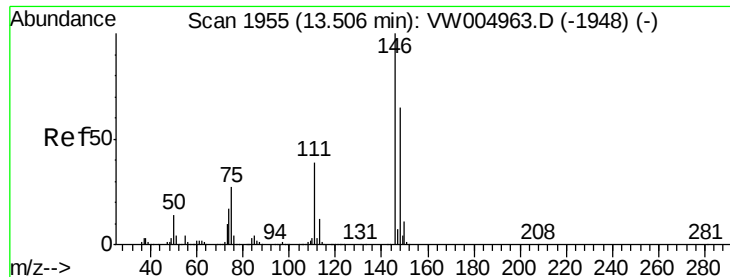
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.6

254 11.2 9.0 13.6





#63

1,3-Dichlorobenzene

Concen: 23.133 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

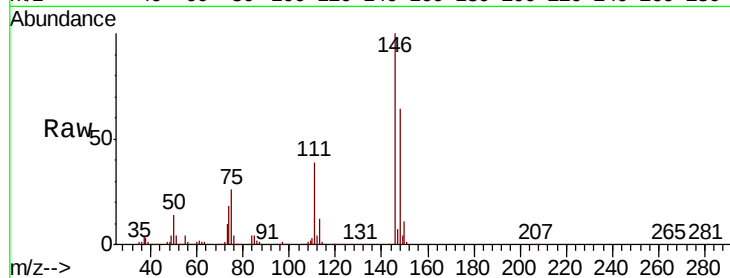
Tgt Ion:146 Resp: 537028

Ion Ratio Lower Upper

146 100

111 38.7 25.6 47.6

148 64.4 42.7 79.3

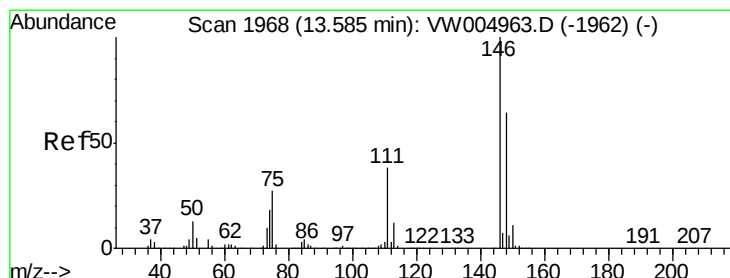
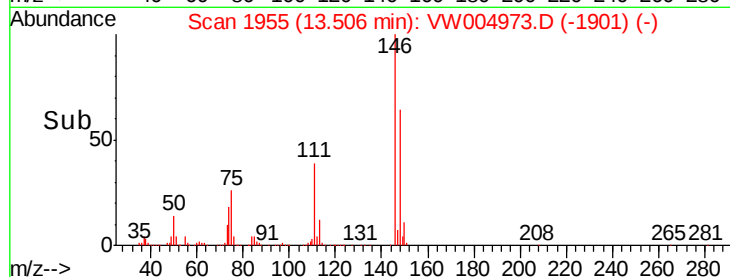
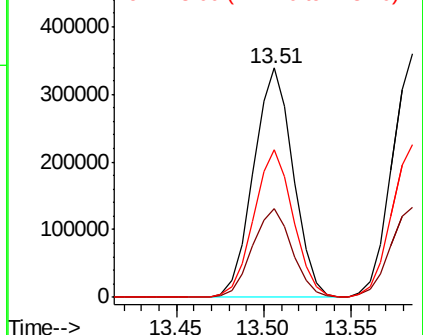


Abundance

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



#64

1,4-Dichlorobenzene

Concen: 23.221 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

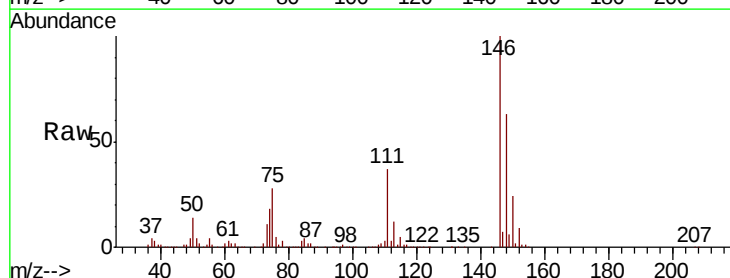
Tgt Ion:146 Resp: 564372

Ion Ratio Lower Upper

146 100

111 37.0 27.6 51.4

148 62.7 45.8 85.0

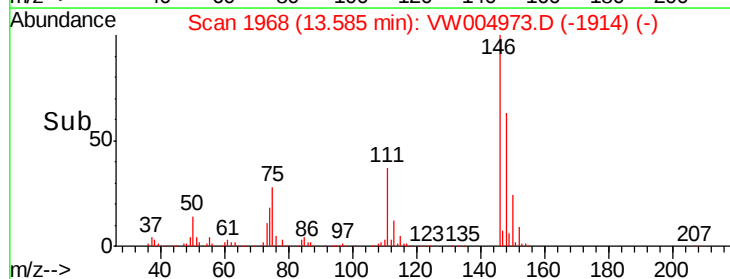
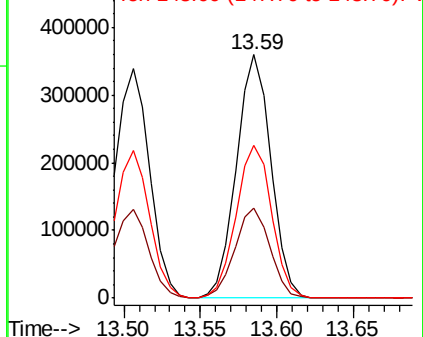


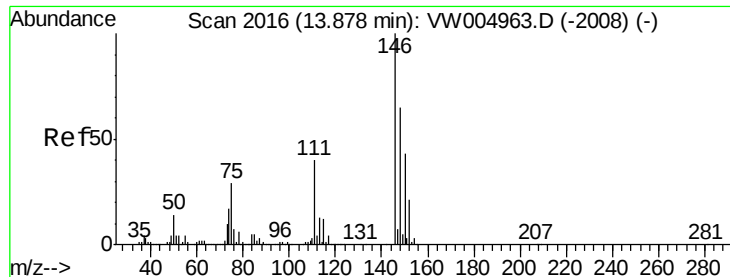
Abundance

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





#65

1,2-Dichlorobenzene

Concen: 23.853 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

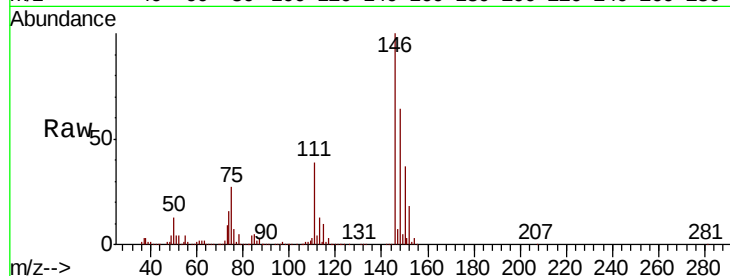
Tgt Ion:146 Resp: 530589

Ion Ratio Lower Upper

146 100

111 39.1 32.0 48.0

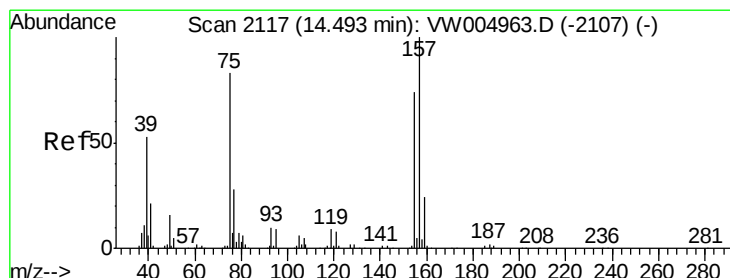
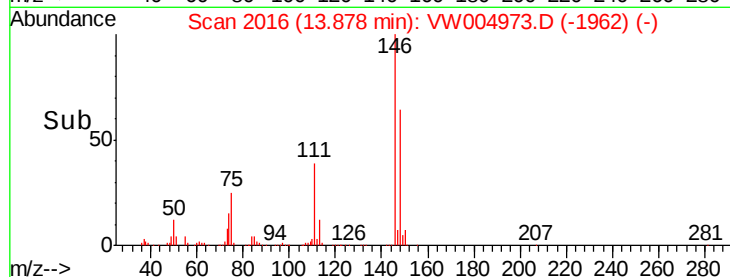
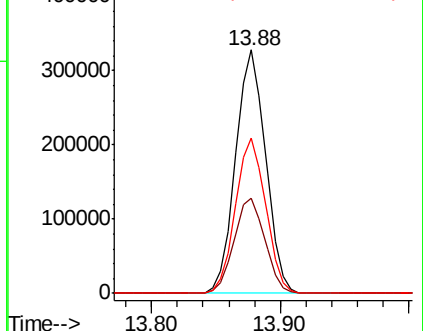
148 63.8 50.6 75.8



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: 23.476 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

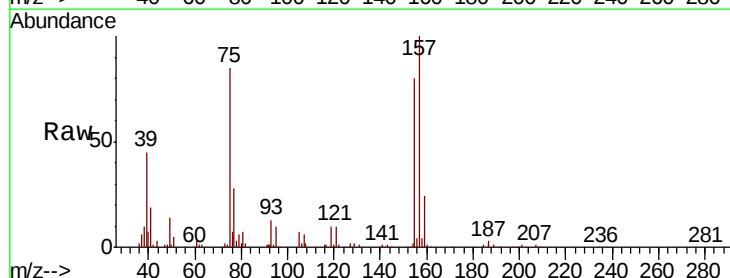
Tgt Ion: 75 Resp: 44283

Ion Ratio Lower Upper

75 100

157 117.8 90.7 136.1

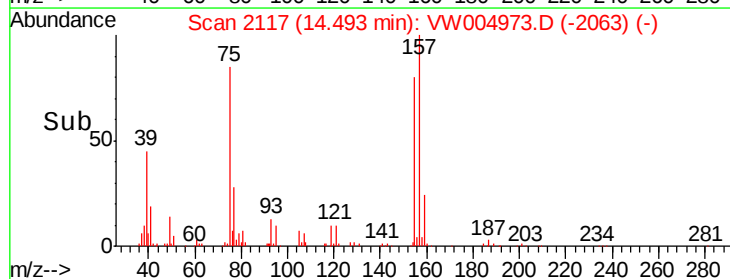
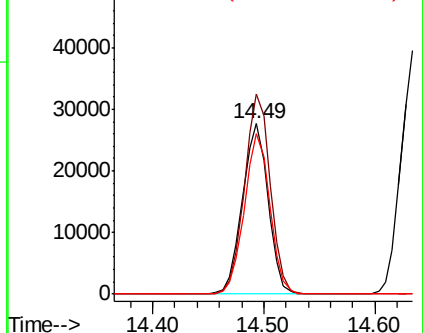
155 93.8 69.5 104.3

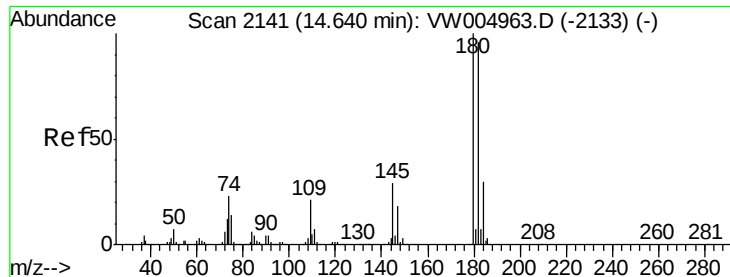


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

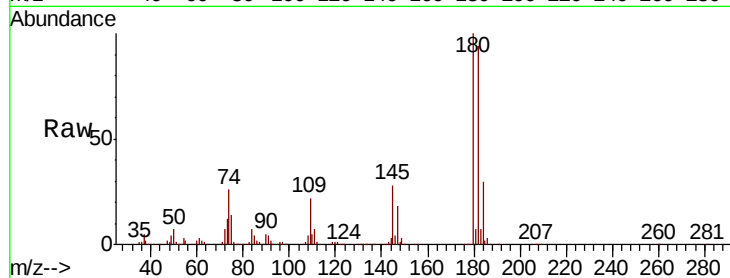




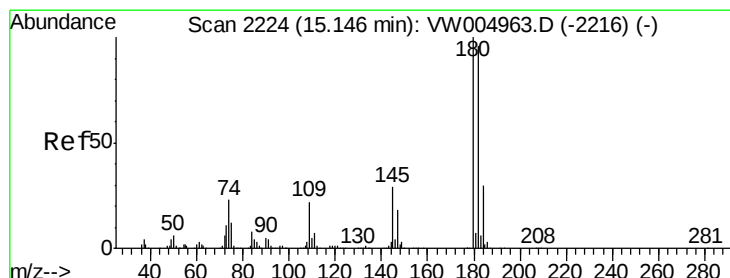
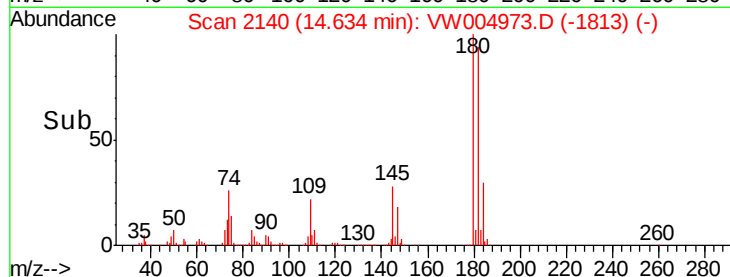
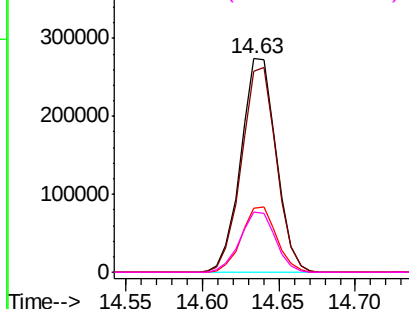
#67
 1,3,5-Trichlorobenzene
 Concen: 23.686 ug/L
 RT: 14.63 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VW004973.D
 Acq: 27 Aug 2018 19:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

Tgt Ion:	180	Resp:	439990
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	114.0
184	30.2	24.3	36.5
145	28.3	23.0	34.6

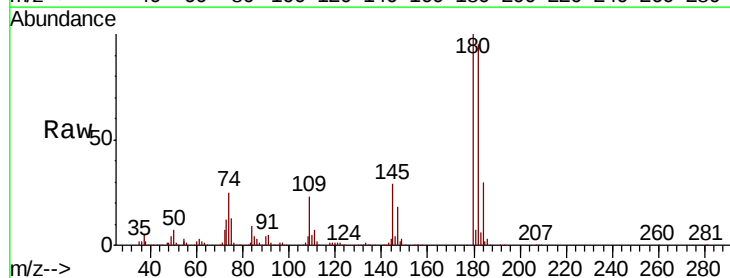


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

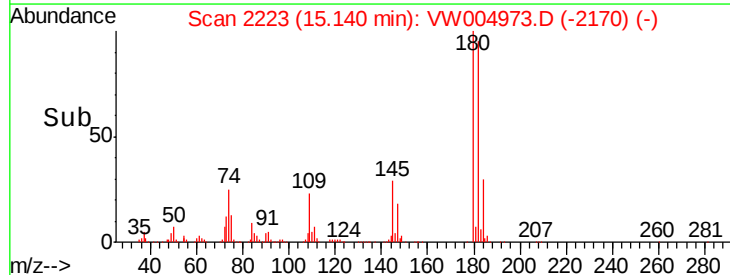
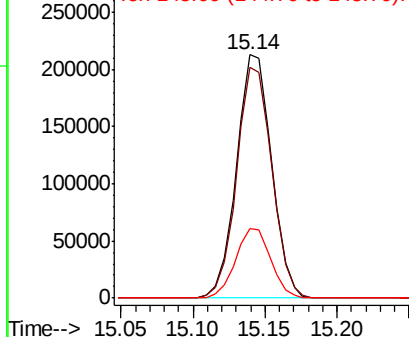


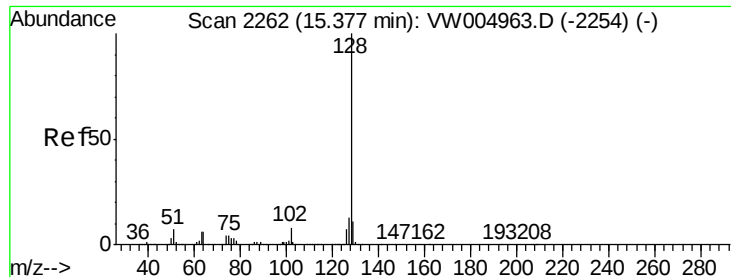
#68
 1,2,4-trichlorobenzene
 Concen: 23.952 ug/L
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004973.D
 Acq: 27 Aug 2018 19:16

Tgt Ion:	180	Resp:	359240
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
145	28.8	23.3	34.9



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: 25.905 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD02584

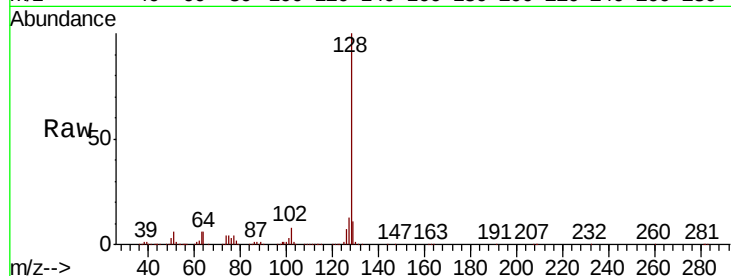
Tgt Ion:128 Resp: 789743

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

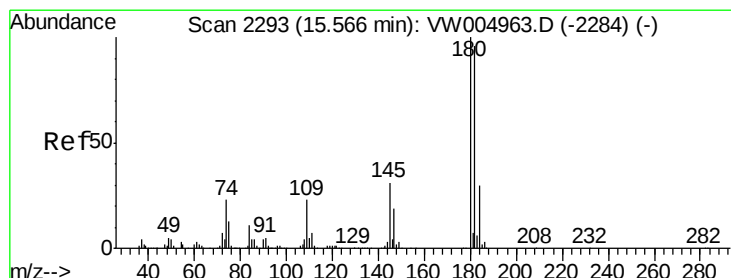
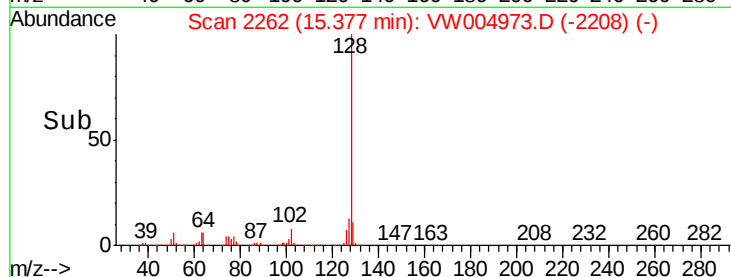
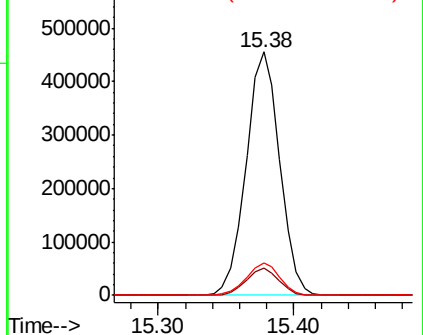
127 13.1 10.6 15.8



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: 25.373 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004973.D

Acq: 27 Aug 2018 19:16

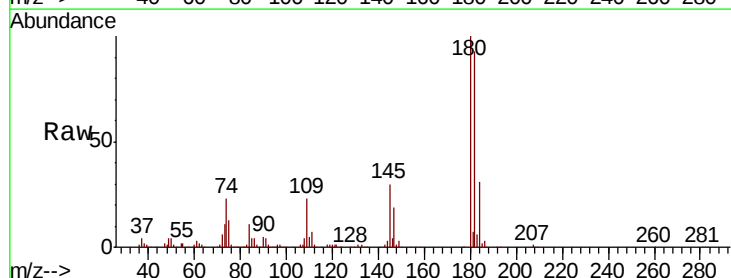
Tgt Ion:180 Resp: 358440

Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.6

145 30.9 24.6 37.0



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

