

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072918\
 Data File : VW004268.D
 Acq On : 27 Jul 2018 12:47
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

Quant Time: Jul 27 23:11:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 27 02:54:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	299798	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	269809	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	146102	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	89507	29.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.60%
7) Chloroethane-d5	2.88	69	62903	28.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.64%
10) 1,1-Dichloroethene-d2	4.01	63	174419	24.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.84%
20) 2-Butanone-d5	7.08	46	77785	45.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.04%
24) Chloroform-d	7.65	84	187142	24.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.52%
26) 1,2-Dichloroethane-d4	8.31	65	110868	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.04%
29) Benzene-d6	8.27	84	373044	26.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.36%
33) 1,2-Dichloropropane-d6	9.27	67	111406	23.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.68%
37) Toluene-d8	10.32	98	370107	27.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.52%
38) trans-1,3-Dichloropropene-	10.58	79	57072	26.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.76%
39) 2-Hexanone-d5	10.93	63	65624	52.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.02%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	117369	24.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	145116	26.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	35195	17.648 ug/L	96
3) Chloromethane	2.20	50	72452	25.736 ug/L	98
5) Vinyl chloride	2.36	62	113523	30.221 ug/L	94
6) Bromomethane	2.77	94	60452	28.725 ug/L	98
8) Chloroethane	2.92	64	58092	28.777 ug/L	98
9) Trichlorofluoromethane	3.25	101	58808	32.348 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	91442	25.528 ug/L	97
12) 1,1-Dichloroethene	4.03	96	90256	26.032 ug/L	80
13) Acetone	4.12	43	78297	45.383 ug/L	97
14) Carbon disulfide	4.37	76	274579	24.597 ug/L	98
15) Methyl Acetate	4.67	43	60633	21.127 ug/L	95
16) Methylene chloride	4.90	84	95470	22.713 ug/L	91
17) Methyl tert-butyl Ether	5.43	73	182316	26.489 ug/L #	85
18) trans-1,2-Dichloroethene	5.41	96	95362	26.115 ug/L	95
19) 1,1-Dichloroethane	6.21	63	163813	23.029 ug/L	96
21) 2-Butanone	7.18	43	88257	40.584 ug/L	93
22) cis-1,2-Dichloroethene	7.17	96	103697	25.544 ug/L	93

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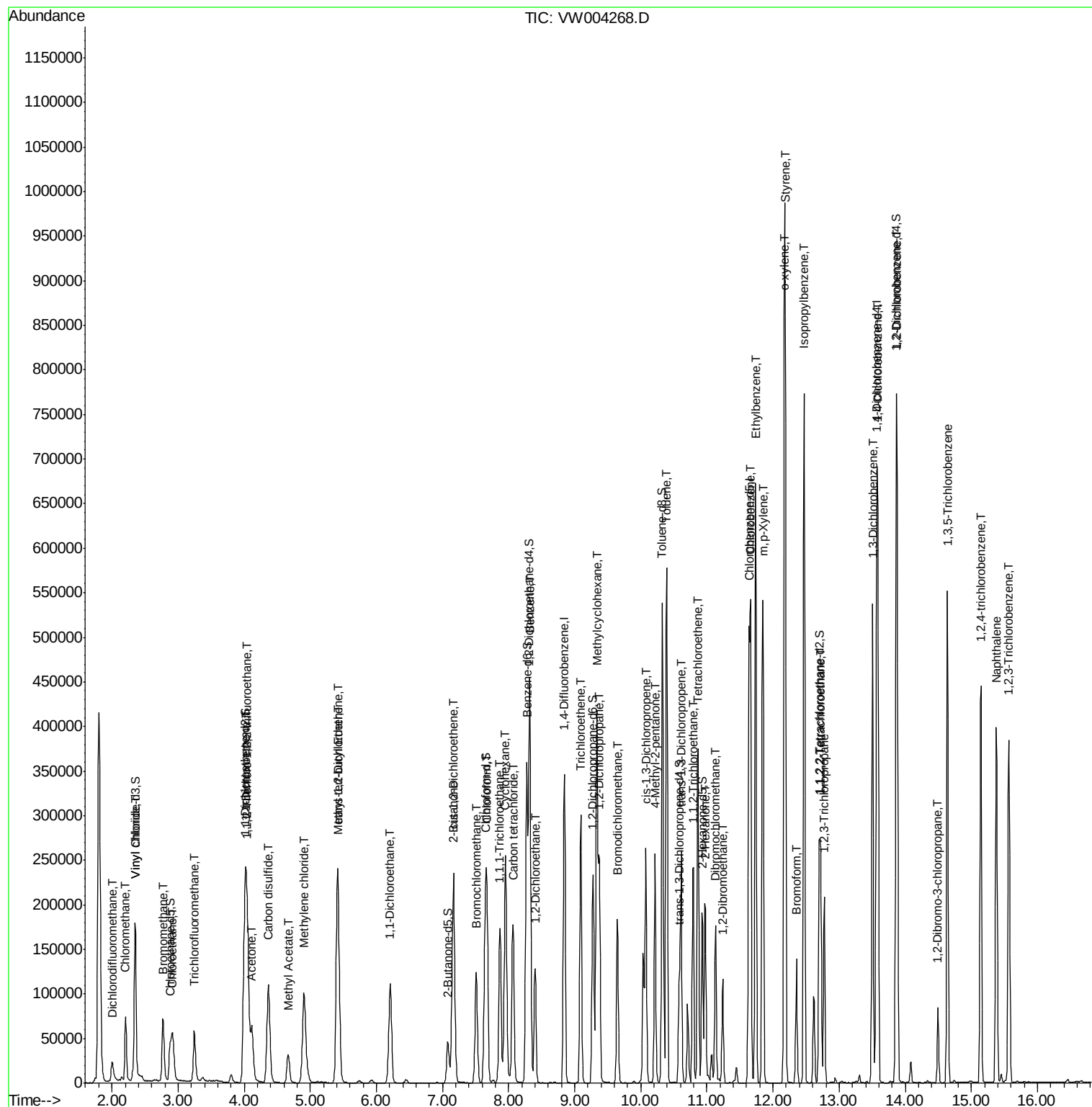
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	48766	25.375	ug/L	86
25) Chloroform	7.67	83	175794	24.102	ug/L	98
27) 1,2-Dichloroethane	8.40	62	123170	22.959	ug/L	99
30) Cyclohexane	7.95	56	151491	25.374	ug/L	91
31) 1,1,1-Trichloroethane	7.87	97	144610	26.558	ug/L	96
32) Carbon tetrachloride	8.07	117	142328	26.875	ug/L	100
34) Benzene	8.32	78	384200	24.769	ug/L	100
35) Trichloroethene	9.09	95	104689	25.656	ug/L	97
36) Methylcyclohexane	9.34	83	177924	26.090	ug/L	95
40) 1,2-Dichloropropane	9.37	63	95229	22.611	ug/L	99
41) Bromodichloromethane	9.65	83	126746	24.372	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	156812	25.597	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	161432	43.028	ug/L #	93
44) Toluene	10.39	91	427961	26.105	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	142492	25.363	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	78164	23.905	ug/L	99
47) Tetrachloroethene	10.87	164	91303	27.971	ug/L	99
49) 2-Hexanone	10.97	43	126556	43.052	ug/L #	93
50) Dibromochloromethane	11.13	129	97031	26.018	ug/L	98
51) 1,2-Dibromoethane	11.24	107	78538	24.634	ug/L	93
52) Chlorobenzene	11.66	112	279368	26.738	ug/L	94
53) Ethylbenzene	11.74	91	484349	27.380	ug/L	99
54) m,p-Xylene	11.85	106	181709	27.310	ug/L	99
55) o-xylene	12.17	106	178189	28.613	ug/L	96
56) Styrene	12.19	104	303676	28.135	ug/L	97
57) Isopropylbenzene	12.47	105	496920	29.372	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	109334	23.455	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	84858	23.679	ug/L	98
62) Bromoform	12.35	173	68382	26.070	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	226396	26.336	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	232314	25.593	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	214696	25.635	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21547	22.908	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.64	180	180215	27.101	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	153869	28.372	ug/L	99
69) Naphthalene	15.38	128	346328	27.793	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	141315	26.936	ug/L	100

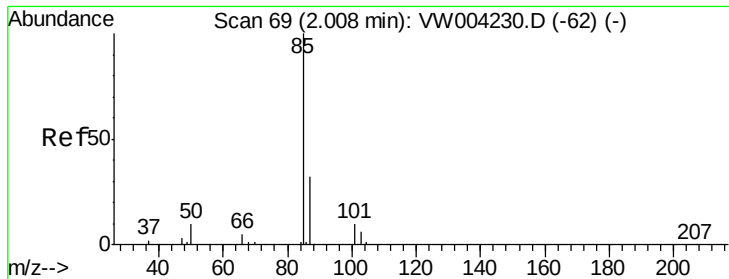
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 17.648 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.01 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampled :

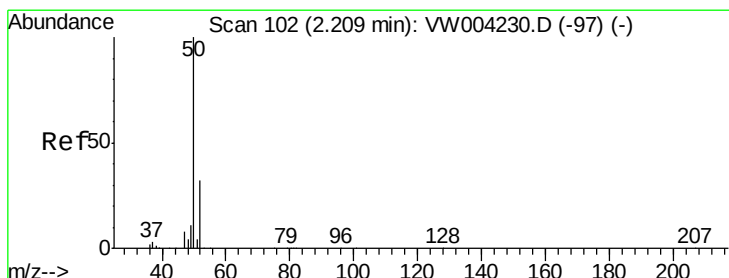
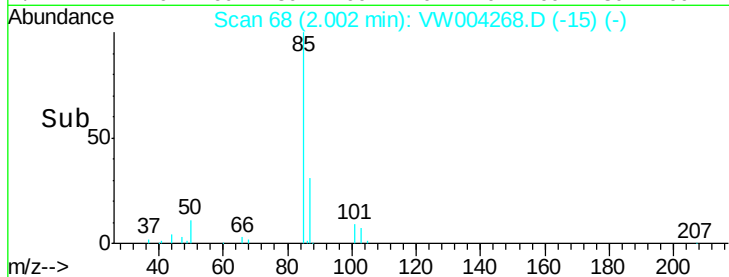
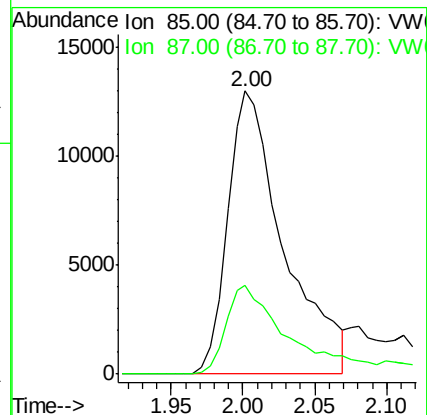
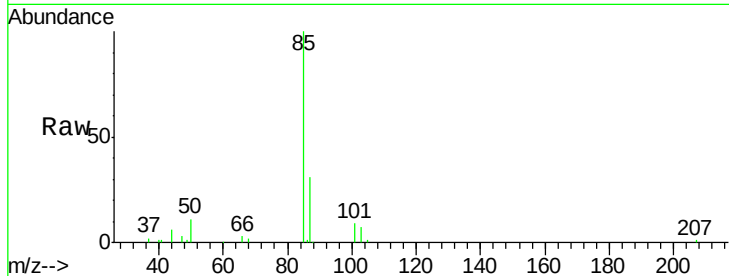
VSTD02593

Tgt Ion: 85 Resp: 35195

Ion Ratio Lower Upper

85 100

87 34.7 22.7 42.3



#3

Chloromethane

Concen: 25.736 ug/L

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW004268.D

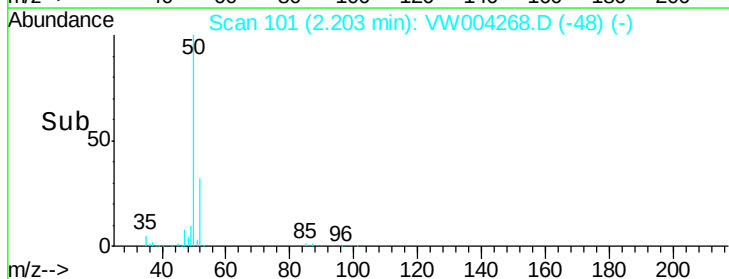
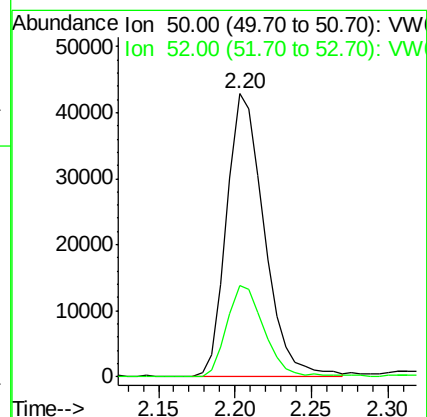
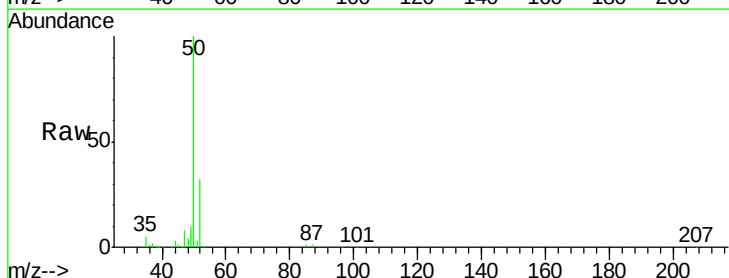
Acq: 27 Jul 2018 12:47

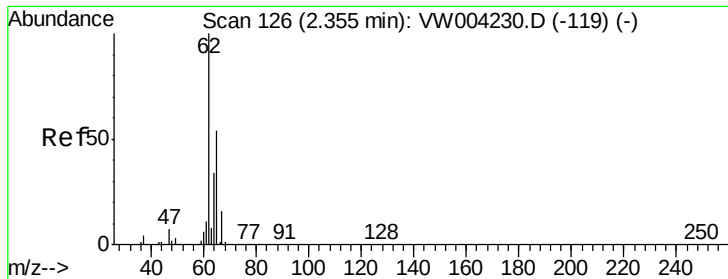
Tgt Ion: 50 Resp: 72452

Ion Ratio Lower Upper

50 100

52 32.2 23.2 43.2





#5

Vinyl chloride

Concen: 30.221 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

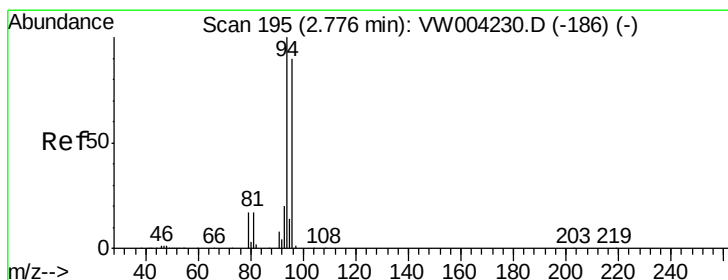
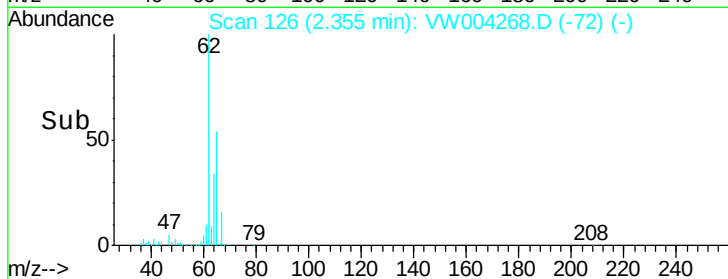
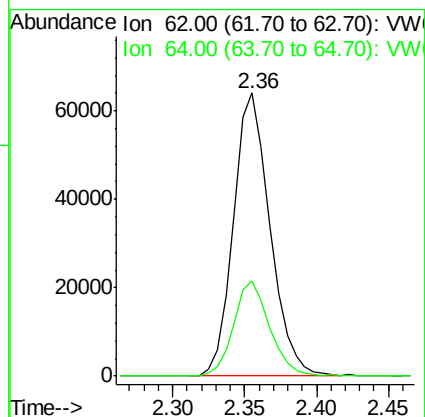
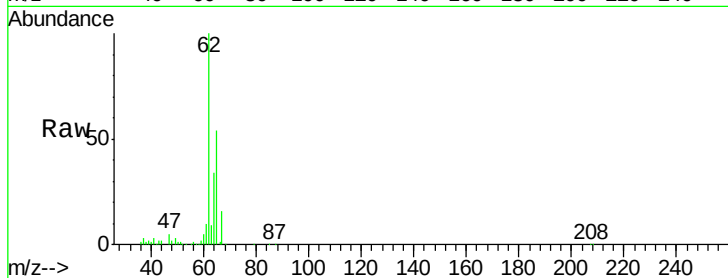
VSTD02593

Tgt Ion: 62 Resp: 113523

Ion Ratio Lower Upper

62 100

64 33.7 21.4 39.8



#6

Bromomethane

Concen: 28.725 ug/L

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW004268.D

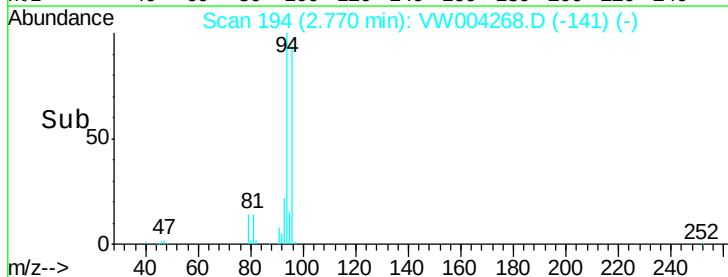
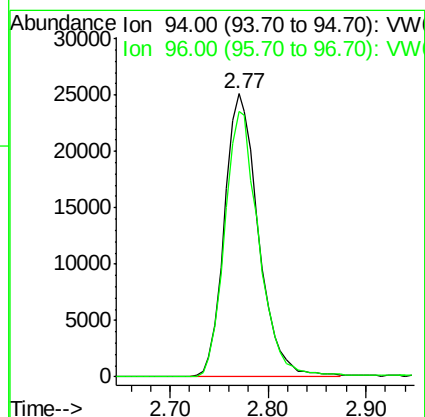
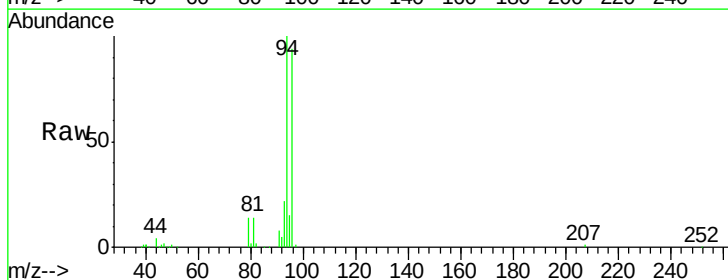
Acq: 27 Jul 2018 12:47

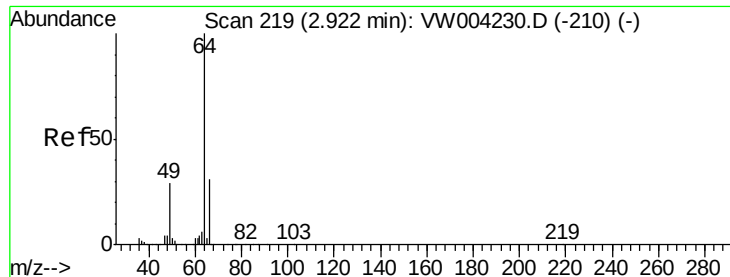
Tgt Ion: 94 Resp: 60452

Ion Ratio Lower Upper

94 100

96 94.2 9.2 175.6

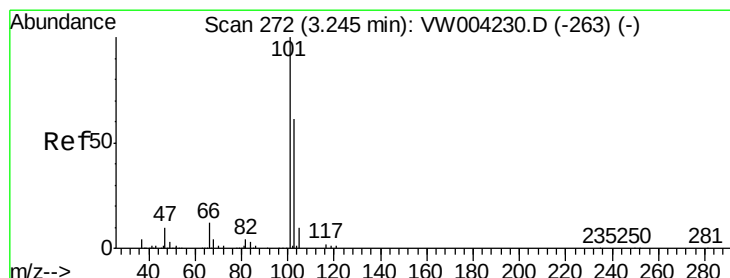
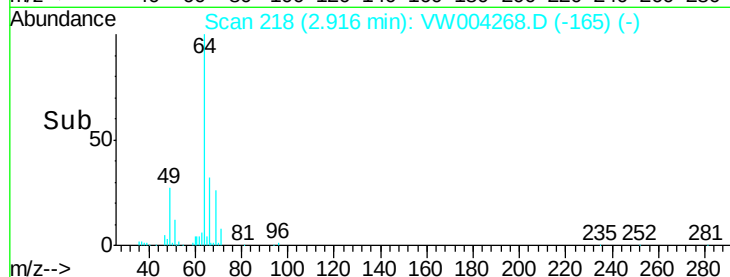
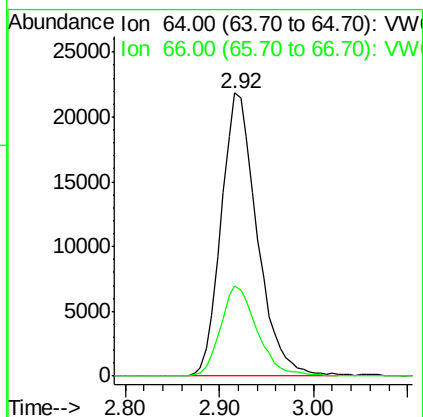
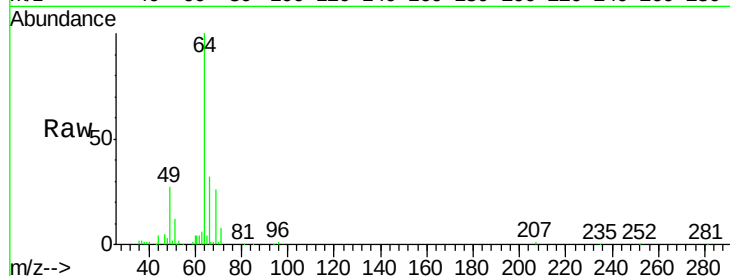




#8
 Chloroethane
 Concen: 28.777 ug/L
 RT: 2.92 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

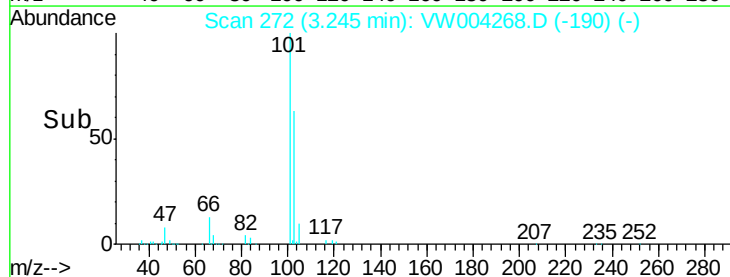
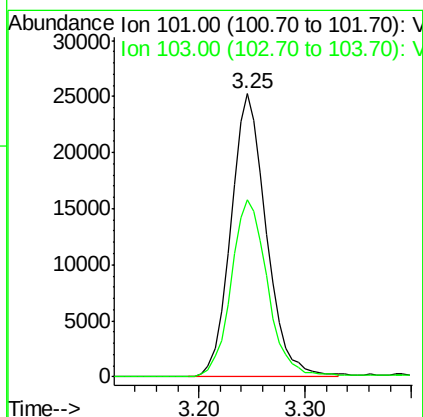
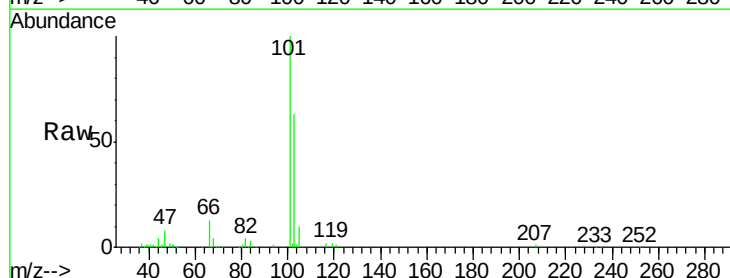
Instrument :
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 VSTD02593

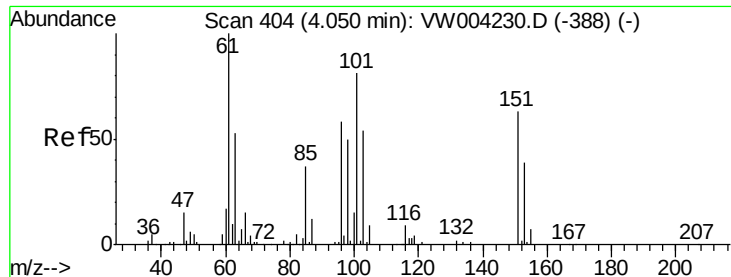
Tgt Ion: 64 Resp: 58092
 Ion Ratio Lower Upper
 64 100
 66 31.9 21.6 40.2



#9
 Trichlorofluoromethane
 Concen: 32.348 ug/L
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

Tgt Ion: 101 Resp: 58808
 Ion Ratio Lower Upper
 101 100
 103 63.9 44.6 82.8





#11

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

Concen: 25.528 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

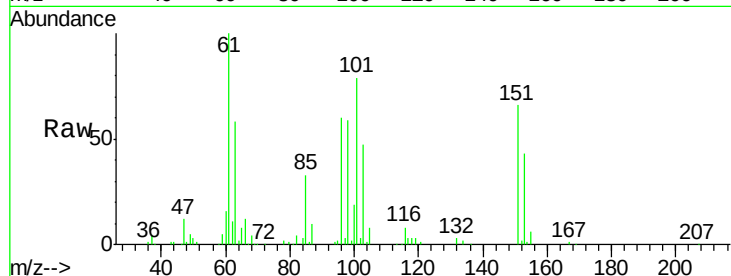
Tgt Ion:101 Resp: 91442

Ion Ratio Lower Upper

101 100

85 41.9 35.8 53.8

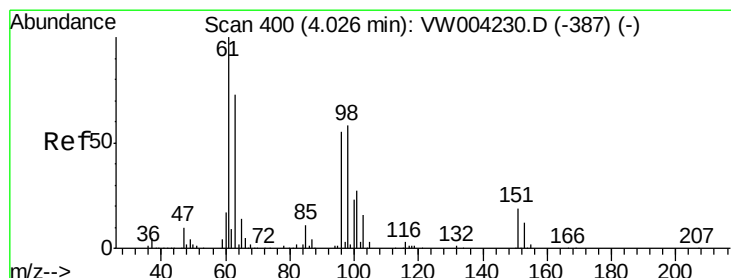
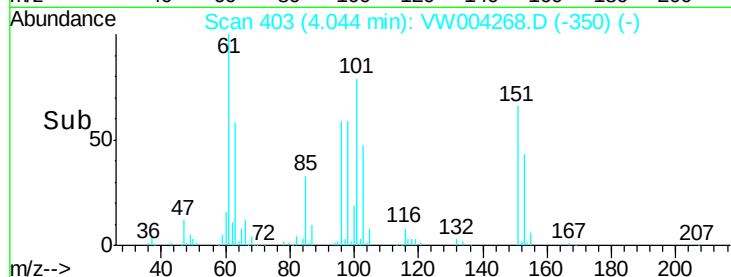
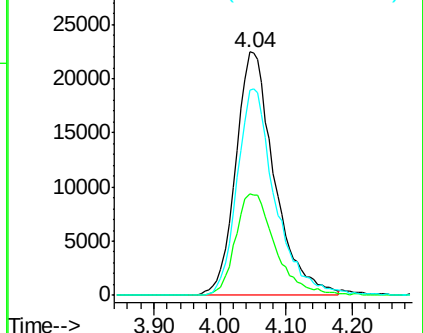
151 81.5 63.4 95.2



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: 26.032 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

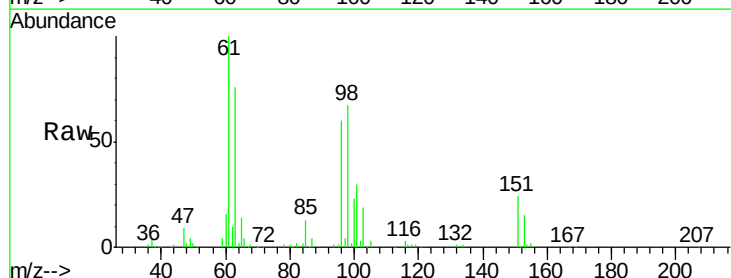
Tgt Ion: 96 Resp: 90256

Ion Ratio Lower Upper

96 100

61 166.8 133.1 247.3

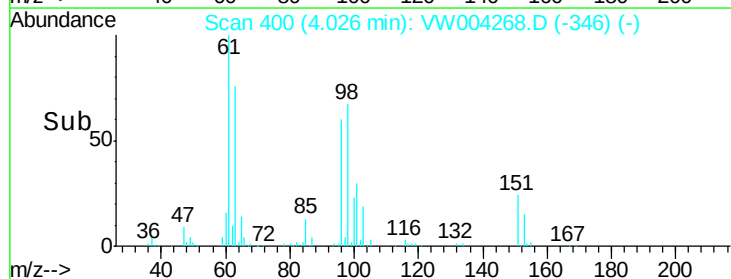
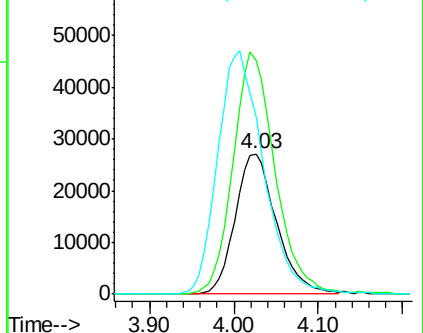
63 126.3 111.7 207.5

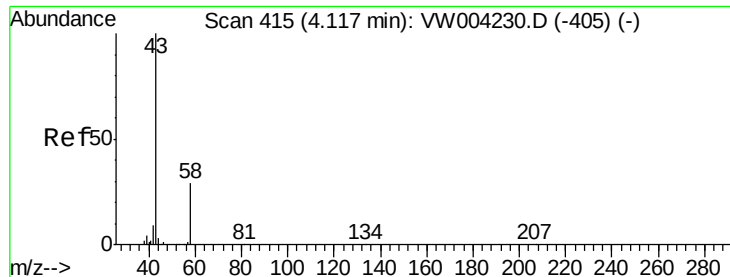


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.383 ug/L

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

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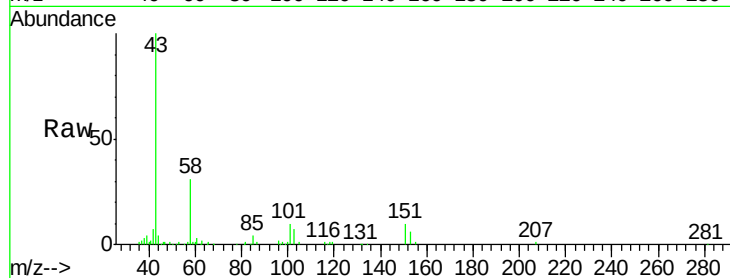
VSTD02593

Tgt Ion: 43 Resp: 78297

Ion Ratio Lower Upper

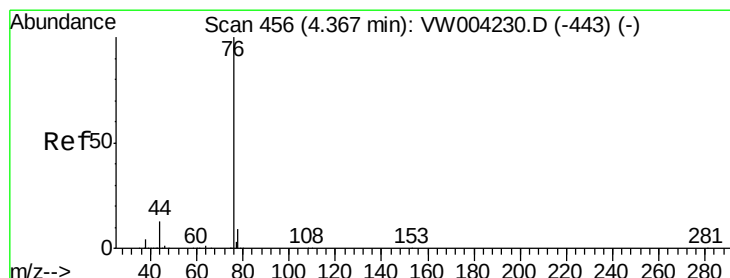
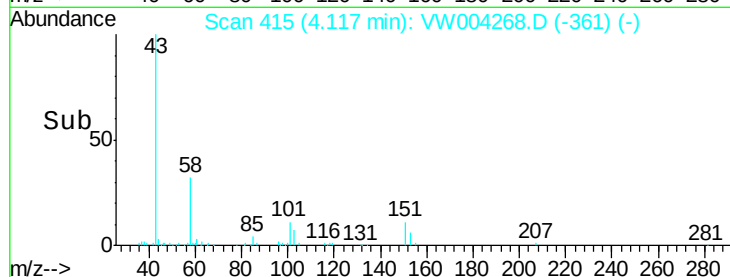
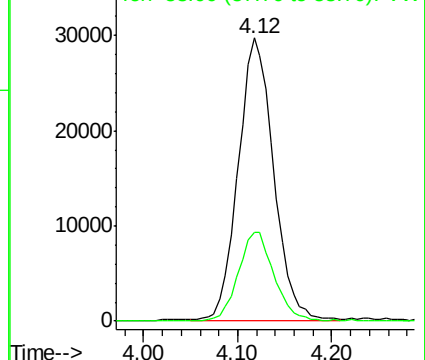
43 100

58 31.5 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.597 ug/L

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW004268.D

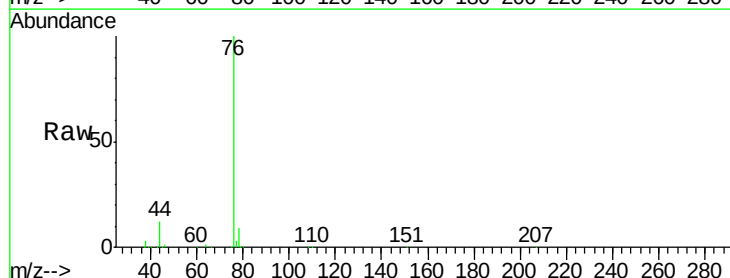
Acq: 27 Jul 2018 12:47

Tgt Ion: 76 Resp: 274579

Ion Ratio Lower Upper

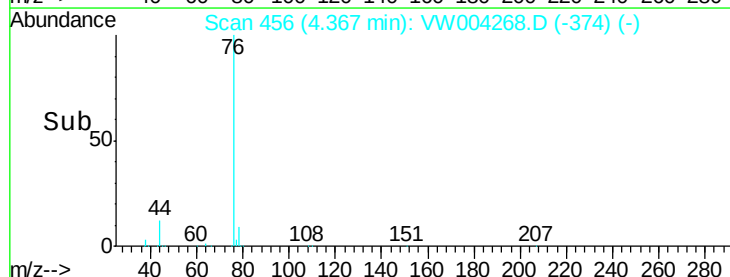
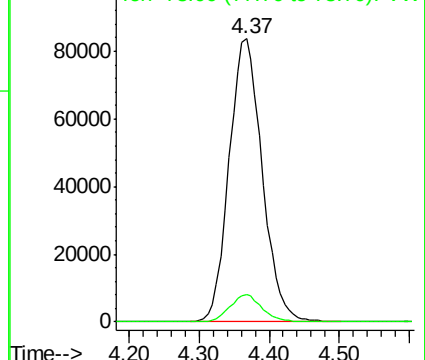
76 100

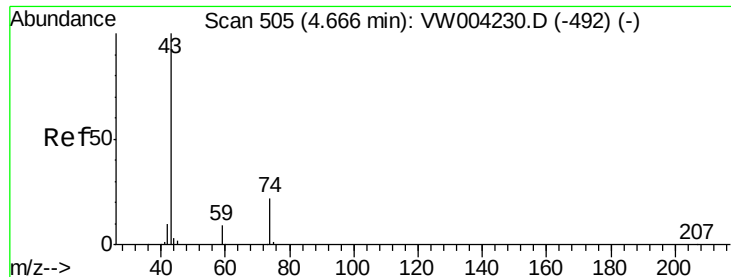
78 9.5 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

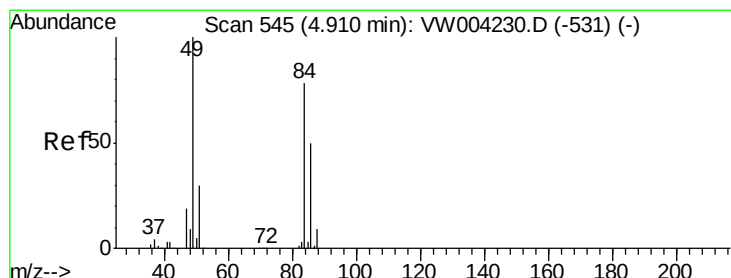
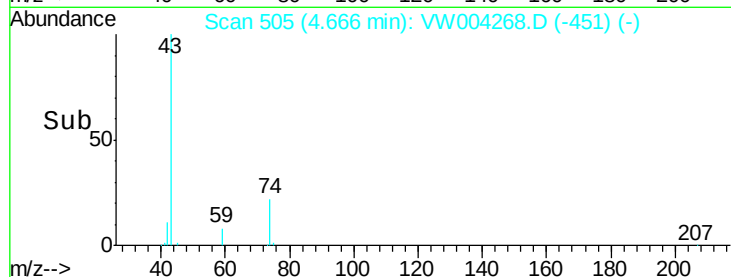
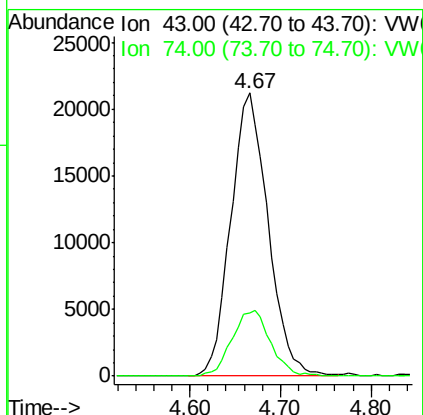
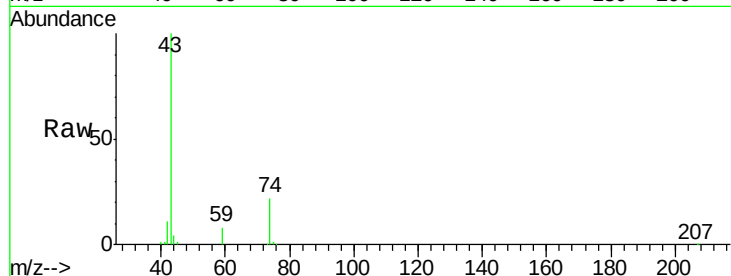




#15
Methyl Acetate
Concen: 21.127 ug/L
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

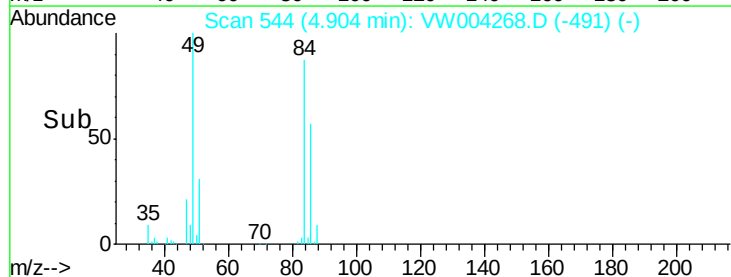
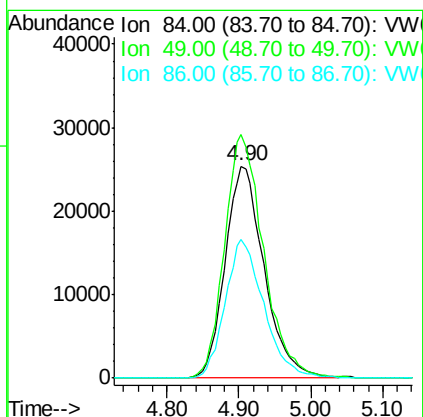
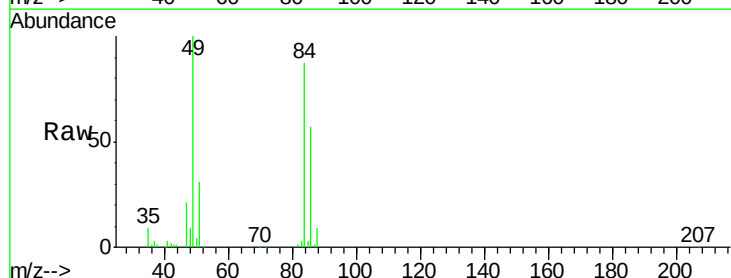
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

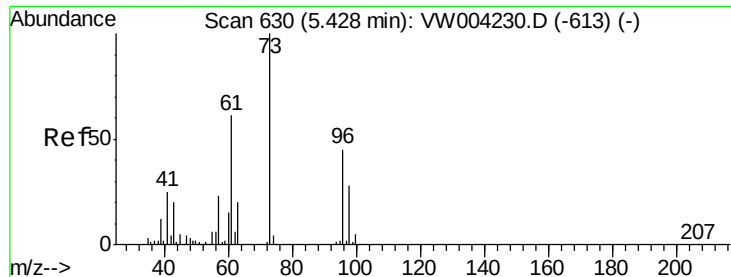
Tgt Ion: 43 Resp: 60633
Ion Ratio Lower Upper
43 100
74 23.5 17.0 25.6



#16
Methylene chloride
Concen: 22.713 ug/L
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

Tgt Ion: 84 Resp: 95470
Ion Ratio Lower Upper
84 100
49 114.8 90.9 168.7
86 65.1 44.4 82.5

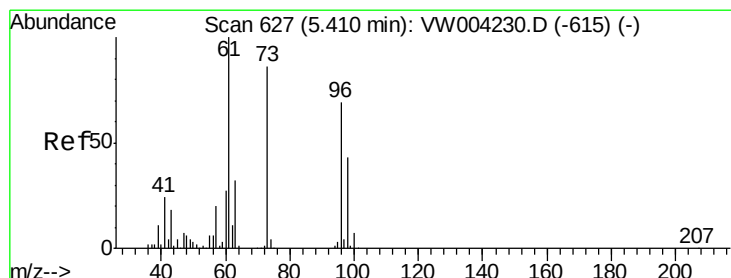
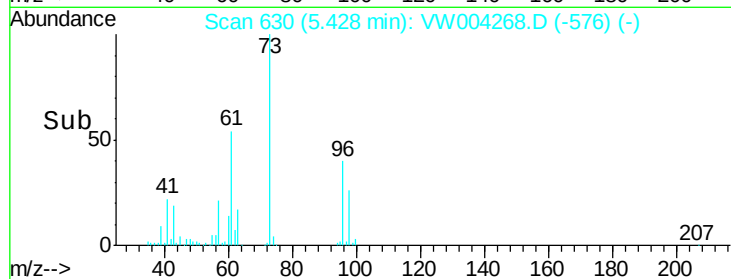
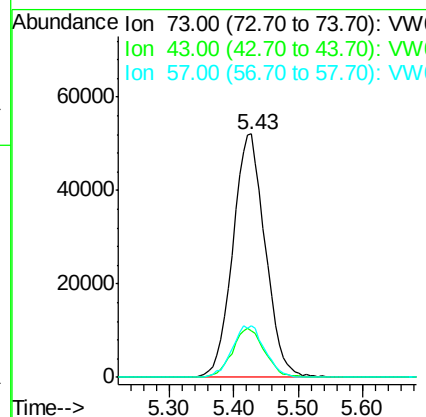
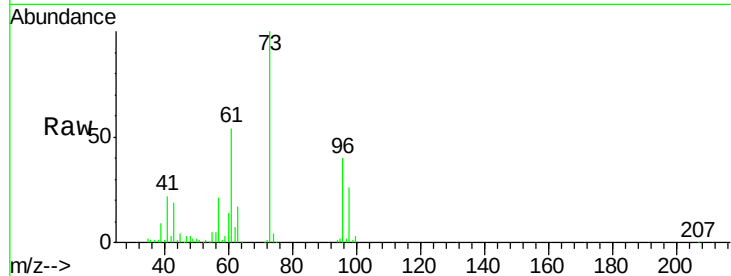




#17
Methyl tert-butyl Ether
Concen: 26.489 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

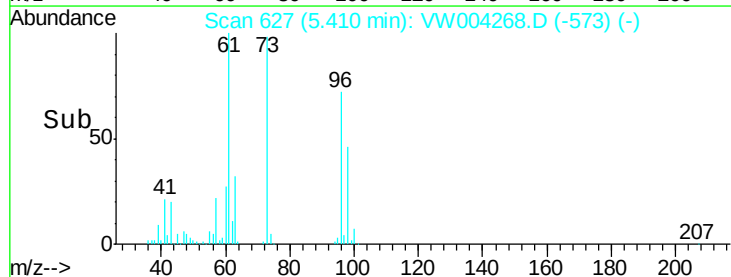
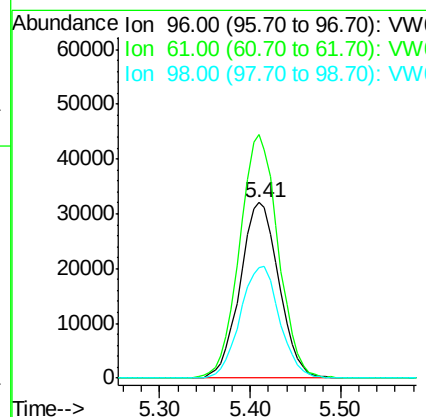
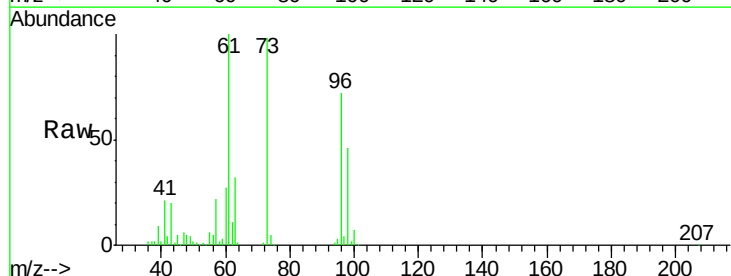
Instrument :
MSVOA_W
ClientSampled :
VSTD02593

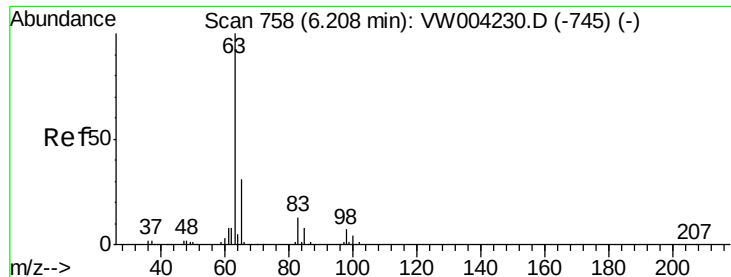
Tgt Ion: 73 Resp: 182316
Ion Ratio Lower Upper
73 100
43 20.0 17.8 26.6
57 11.3 18.7 28.1#



#18
trans-1,2-Dichloroethene
Concen: 26.115 ug/L
RT: 5.41 min Scan# 627
Delta R.T. -0.00 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

Tgt Ion: 96 Resp: 95362
Ion Ratio Lower Upper
96 100
61 138.9 102.4 190.2
98 63.4 43.1 80.1

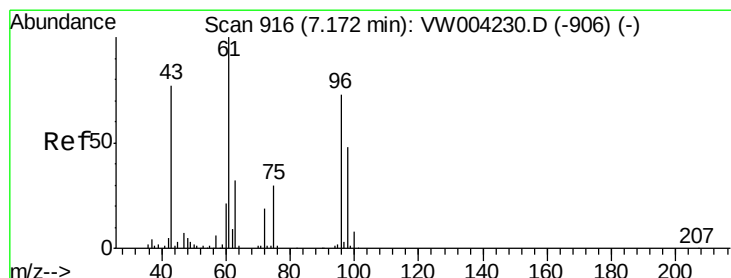
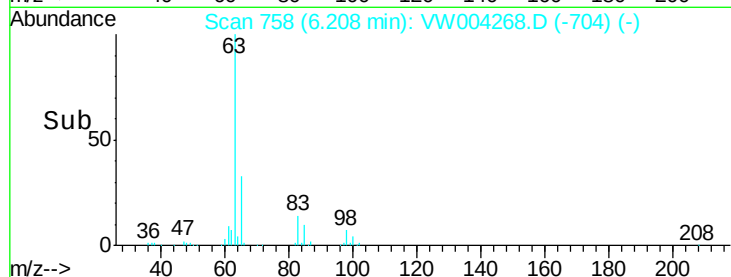
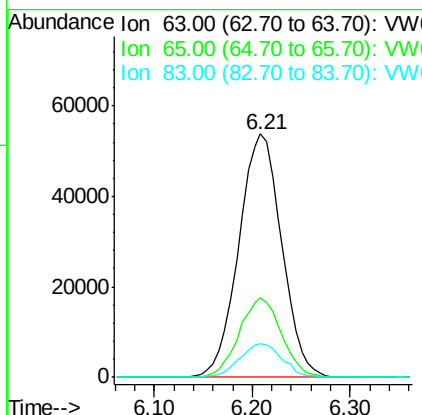
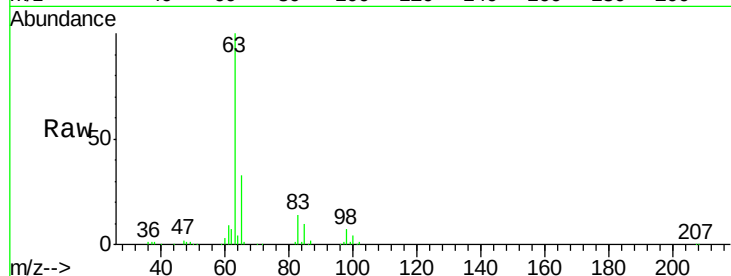




#19
 1,1-Dichloroethane
 Concen: 23.029 ug/L
 RT: 6.21 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

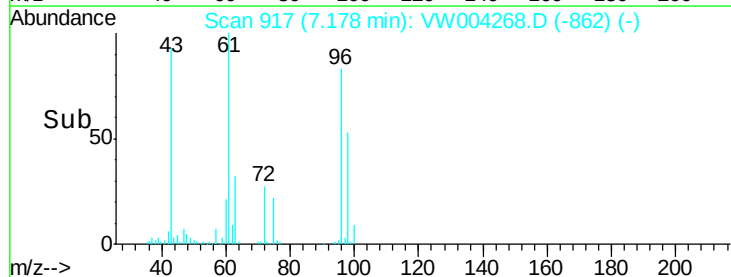
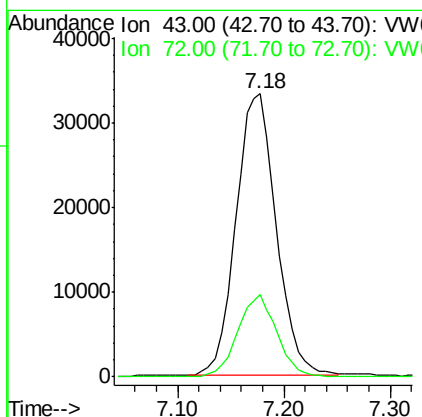
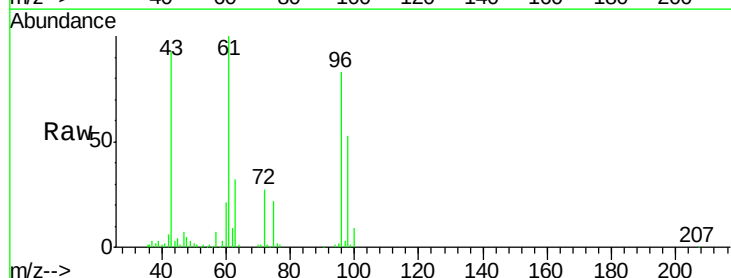
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

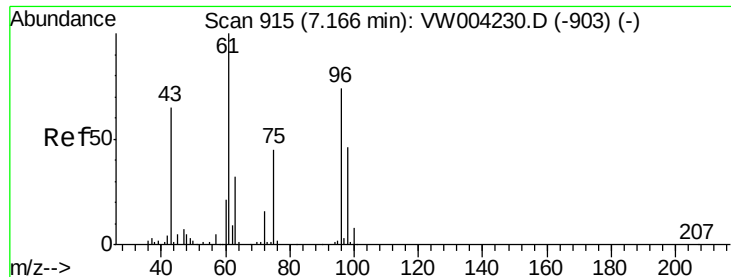
Tgt Ion: 63 Resp: 163813
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.3 39.6
 83 13.9 8.6 16.0



#21
 2-Butanone
 Concen: 40.584 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

Tgt Ion: 43 Resp: 88257
 Ion Ratio Lower Upper
 43 100
 72 28.2 12.3 36.9



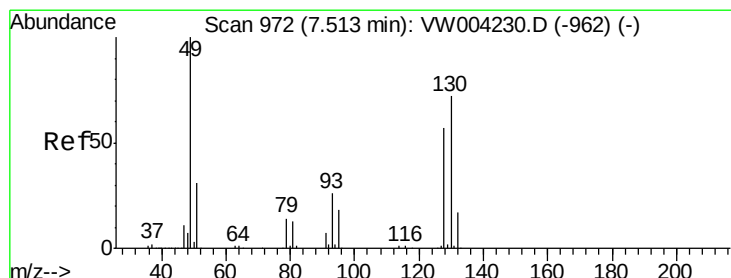
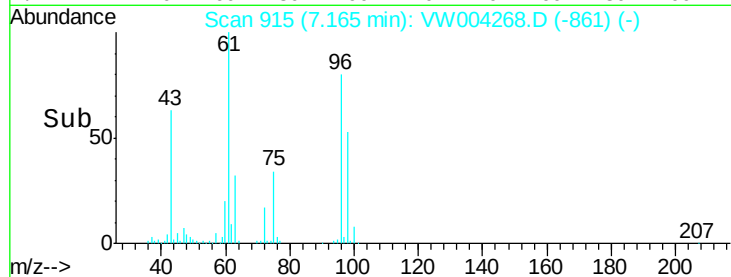
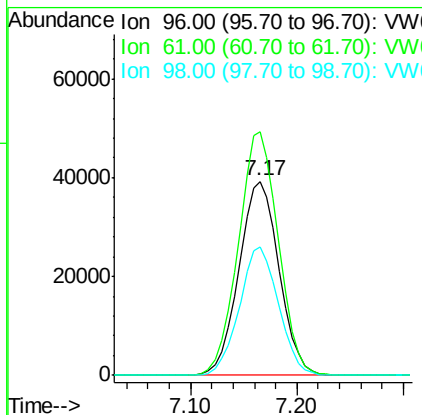
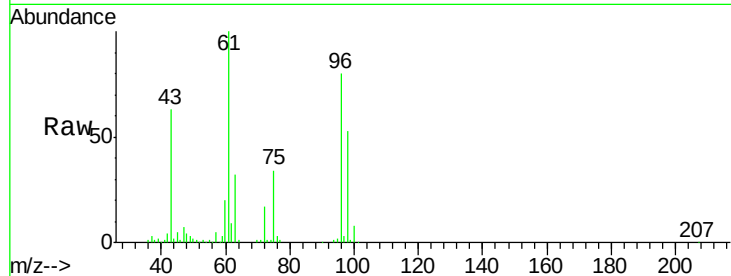


#22

cis-1,2-Dichloroethene
Concen: 25.544 ug/L
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

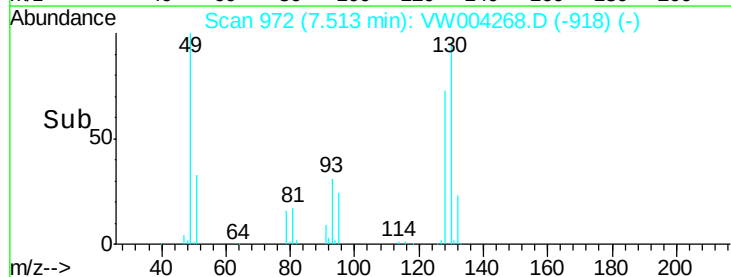
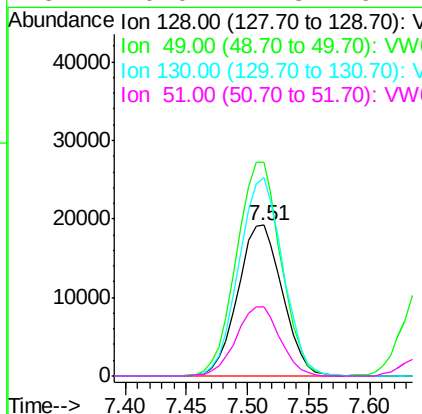
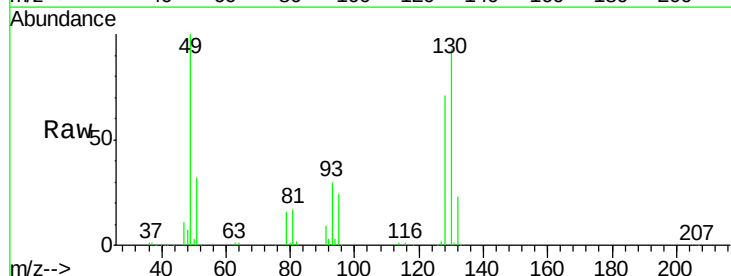
Tgt Ion: 96 Resp: 103697
Ion Ratio Lower Upper
96 100
61 125.6 95.1 176.7
98 66.2 45.2 84.0

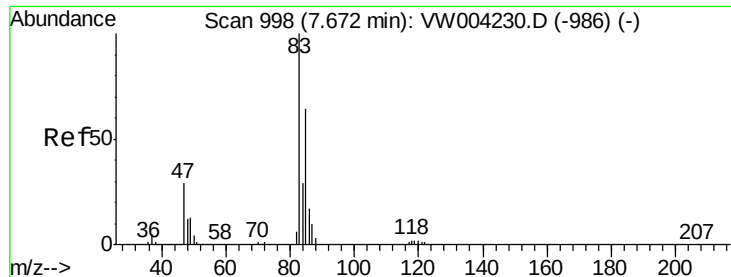


#23

Bromochloromethane
Concen: 25.375 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

Tgt Ion: 128 Resp: 48766
Ion Ratio Lower Upper
128 100
49 141.6 120.5 223.7
130 131.9 88.5 164.4
51 46.0 42.8 64.2





#25

Chloroform

Concen: 24.102 ug/L

RT: 7.67 min Scan# 998

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

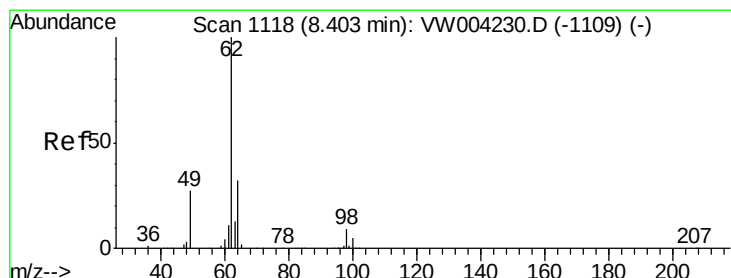
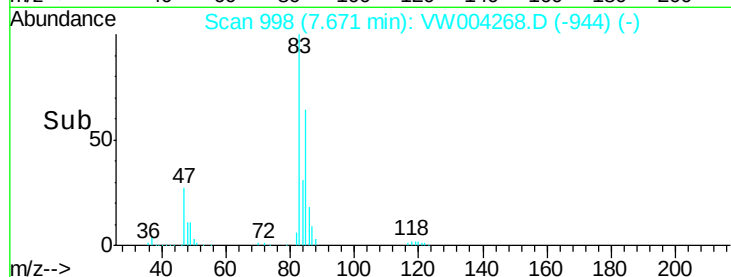
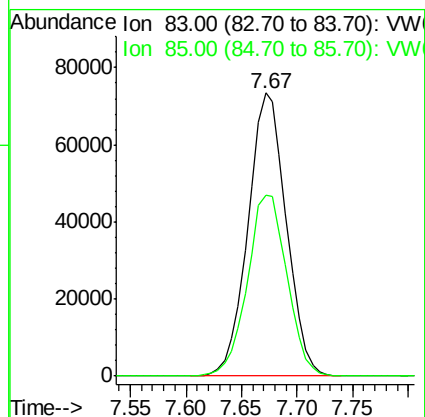
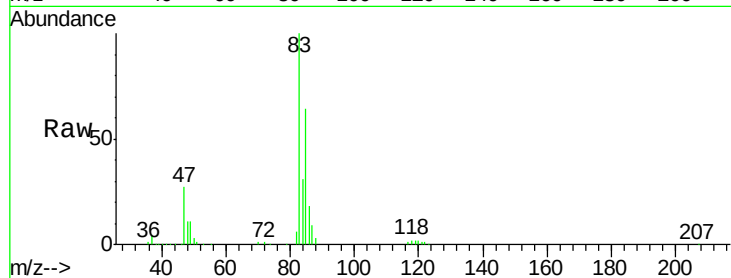
VSTD02593

Tgt Ion: 83 Resp: 175794

Ion Ratio Lower Upper

83 100

85 66.3 45.5 84.5



#27

1,2-Dichloroethane

Concen: 22.959 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004268.D

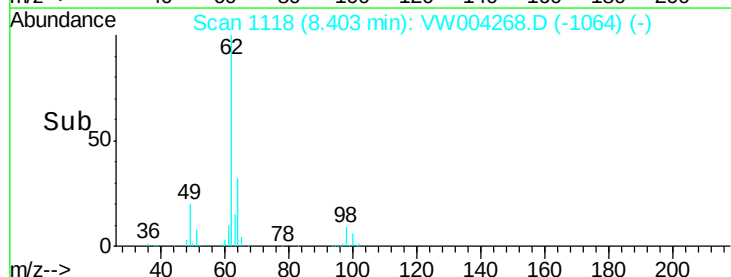
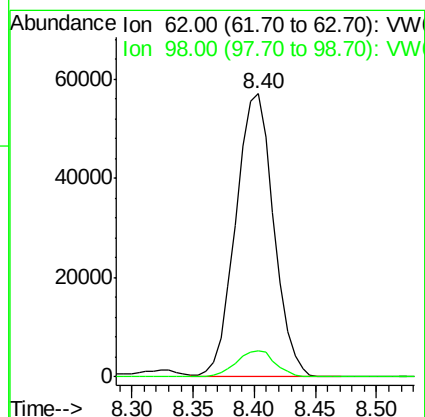
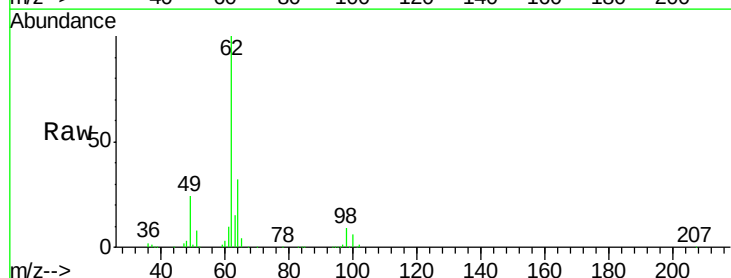
Acq: 27 Jul 2018 12:47

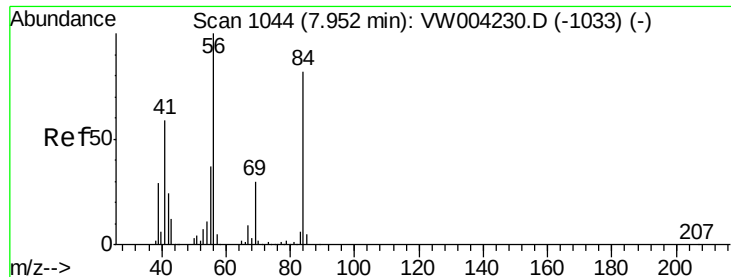
Tgt Ion: 62 Resp: 123170

Ion Ratio Lower Upper

62 100

98 9.1 7.0 10.4

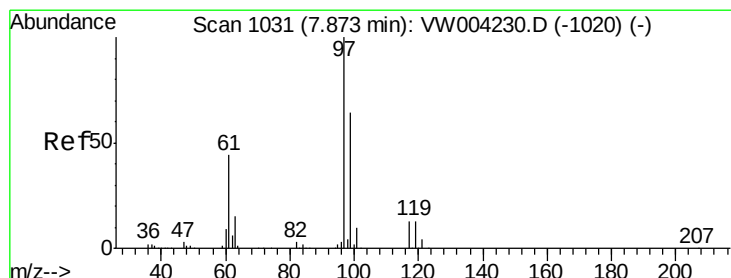
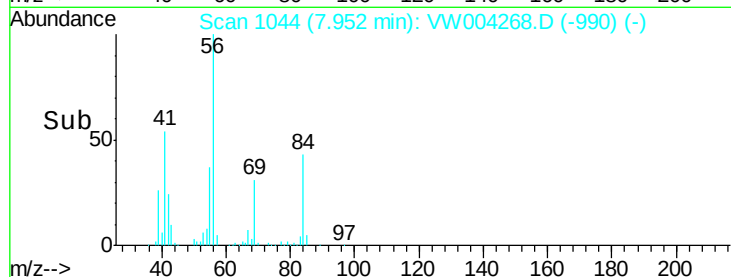
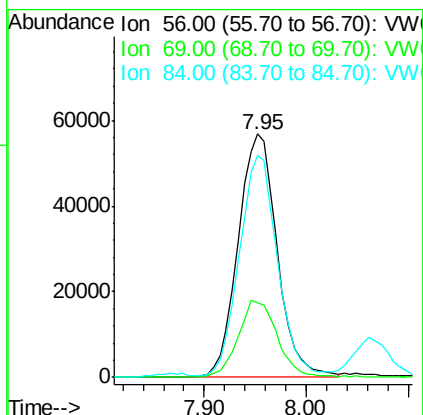
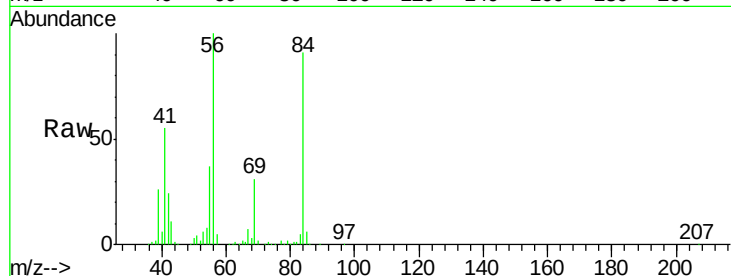




#30
Cyclohexane
Concen: 25.374 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

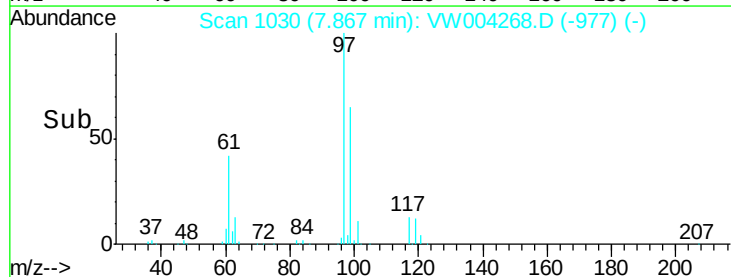
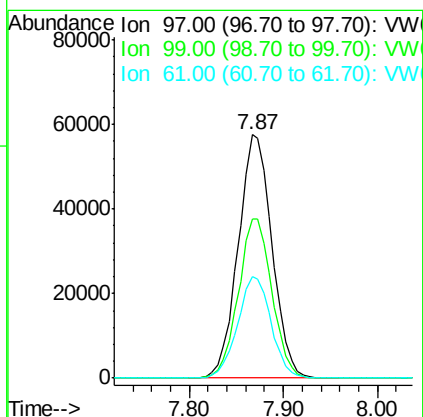
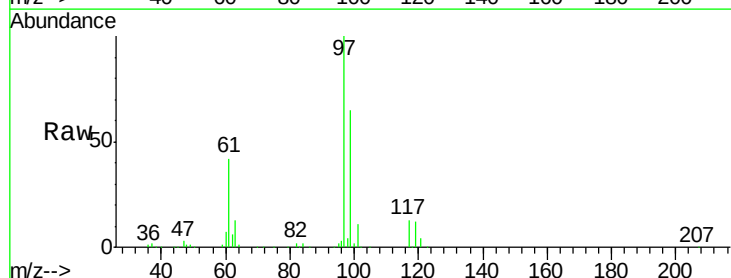
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

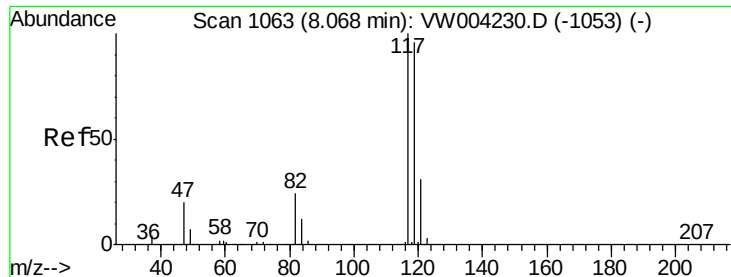
Tgt Ion: 56 Resp: 151491
Ion Ratio Lower Upper
56 100
69 31.6 23.2 34.8
84 89.5 64.0 96.0



#31
1,1,1-Trichloroethane
Concen: 26.558 ug/L
RT: 7.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

Tgt Ion: 97 Resp: 144610
Ion Ratio Lower Upper
97 100
99 64.9 51.3 76.9
61 41.4 37.1 55.7





#32

Carbon tetrachloride

Concen: 26.875 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

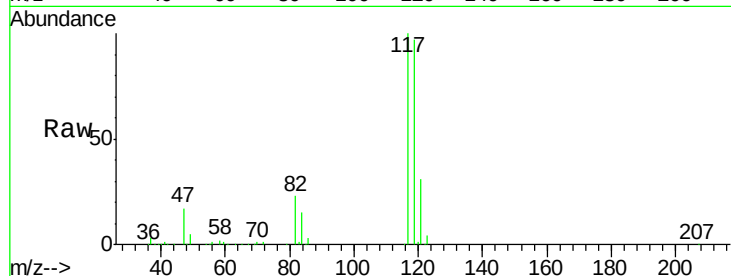
VSTD02593

Tgt Ion:117 Resp: 142328

Ion Ratio Lower Upper

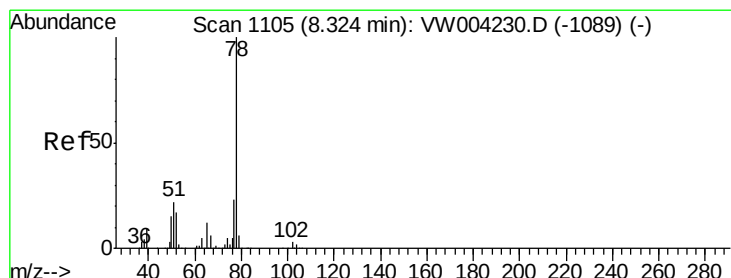
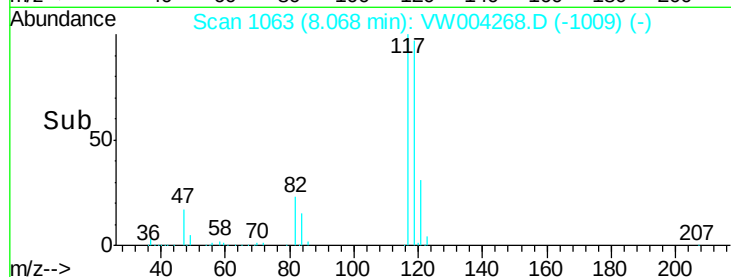
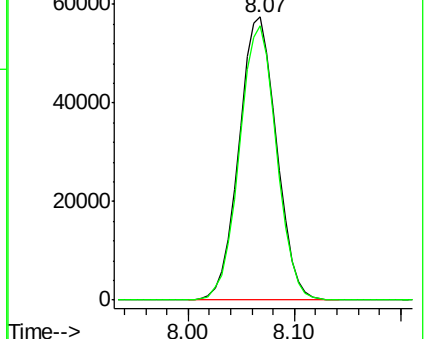
117 100

119 95.6 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.769 ug/L

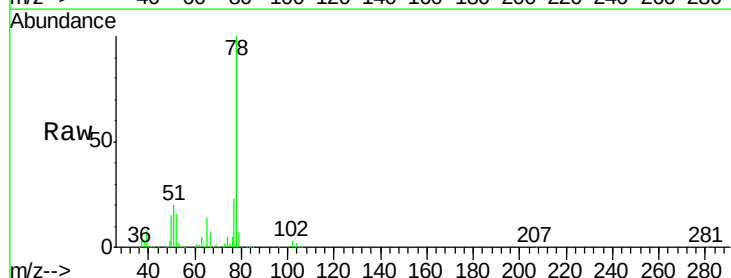
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

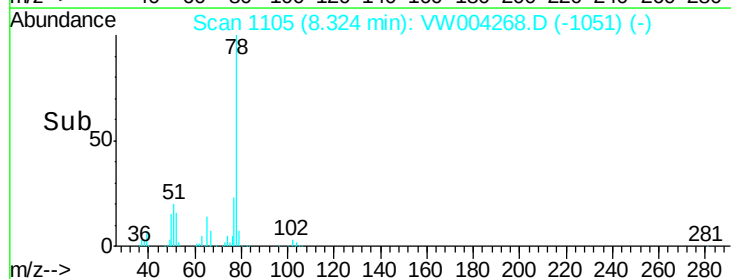
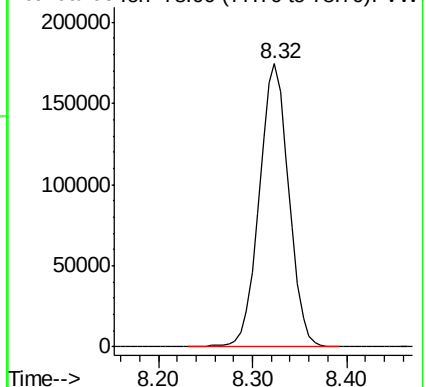
Lab File: VW004268.D

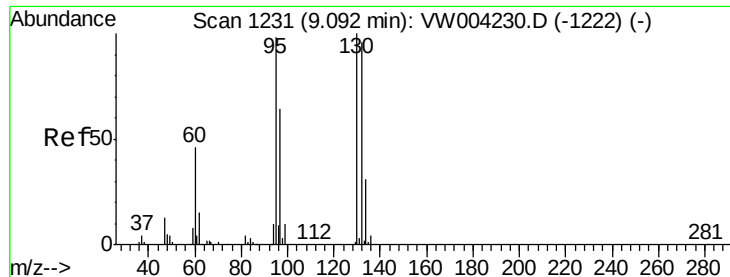
Acq: 27 Jul 2018 12:47

Tgt Ion: 78 Resp: 384200



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.656 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampled :

VSTD02593

Tgt Ion: 95 Resp: 104689

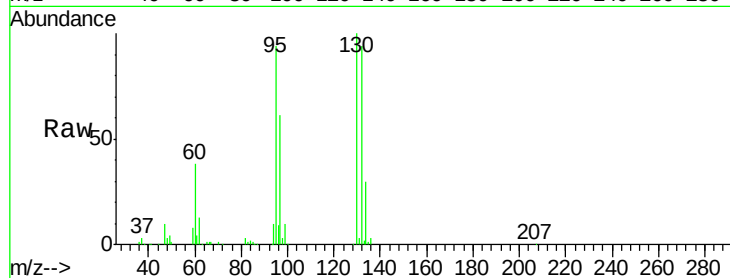
Ion Ratio Lower Upper

95 100

97 64.6 44.9 83.5

132 101.0 67.4 125.2

130 104.4 70.2 130.4

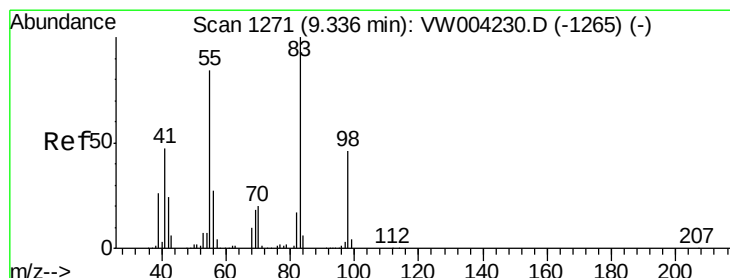
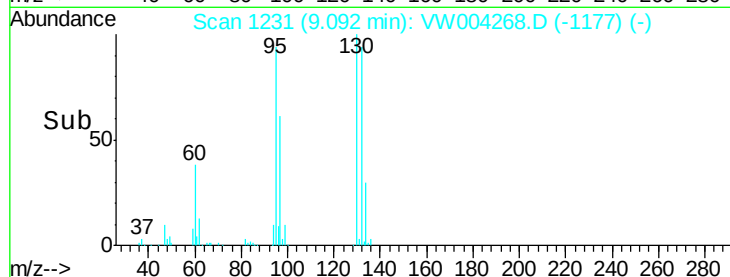
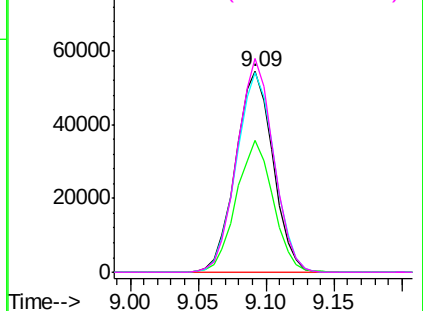


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.090 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

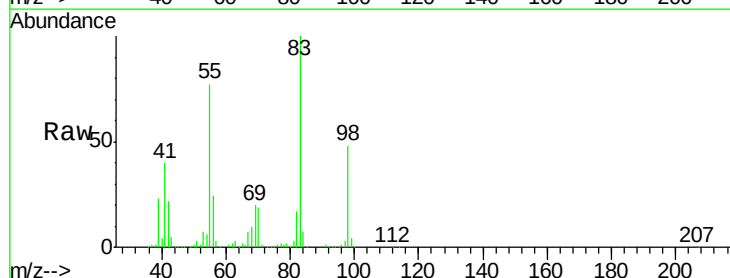
Tgt Ion: 83 Resp: 177924

Ion Ratio Lower Upper

83 100

55 75.5 65.5 98.3

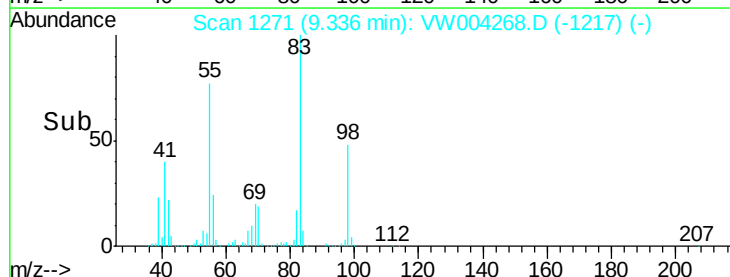
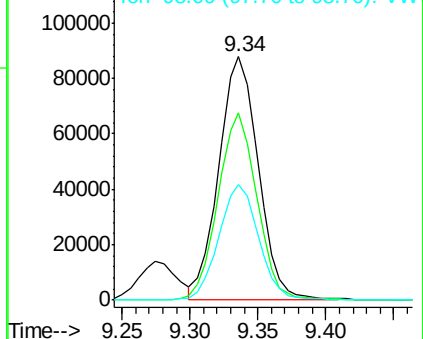
98 47.9 37.1 55.7

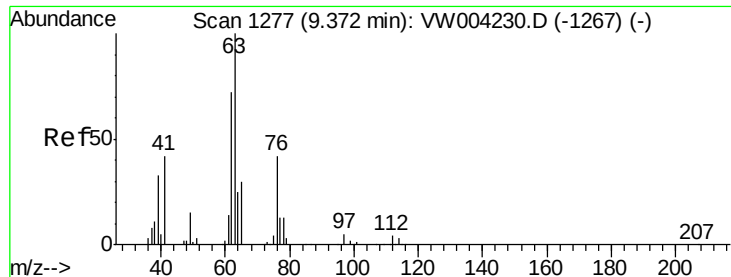


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 22.611 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

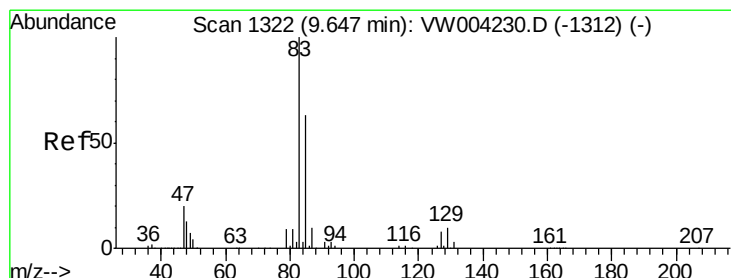
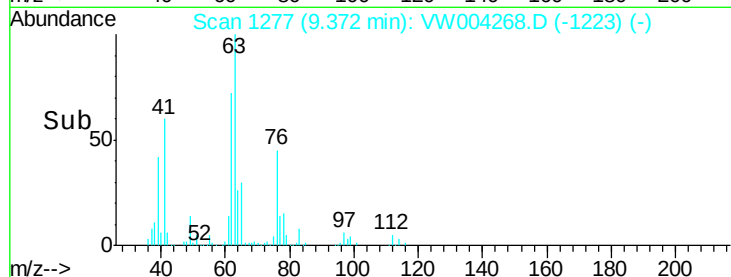
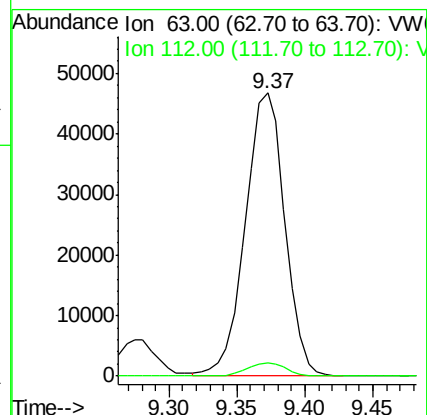
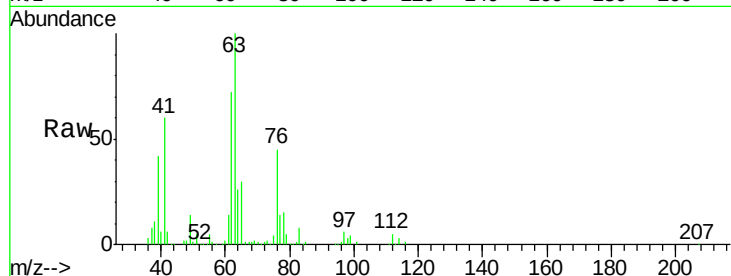
VSTD02593

Tgt Ion: 63 Resp: 95229

Ion Ratio Lower Upper

63 100

112 4.5 3.2 4.8



#41

Bromodichloromethane

Concen: 24.372 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

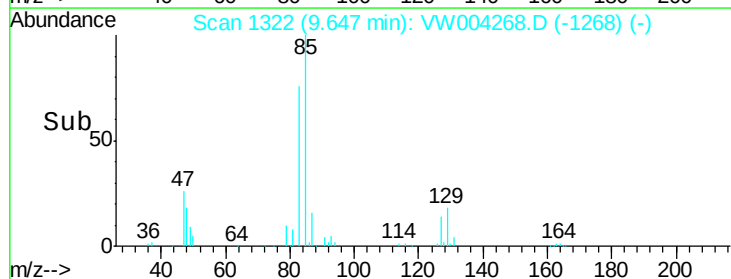
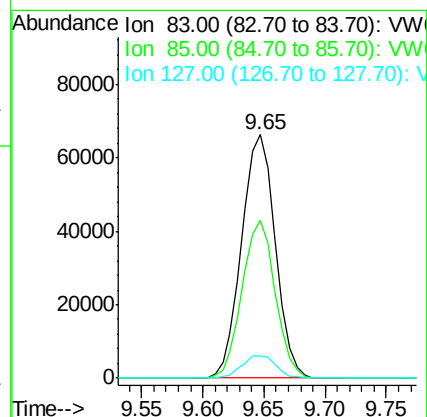
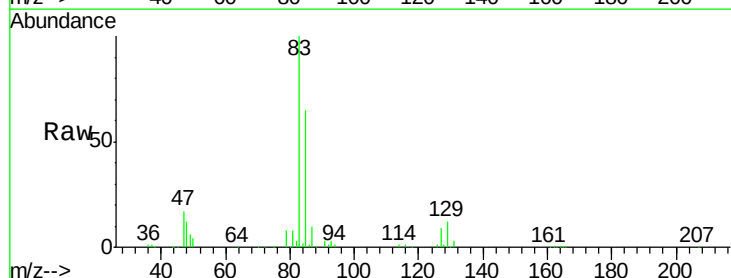
Tgt Ion: 83 Resp: 126746

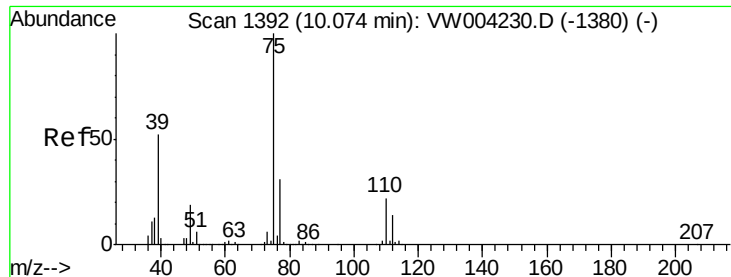
Ion Ratio Lower Upper

83 100

85 64.8 44.0 81.8

127 9.1 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 25.597 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

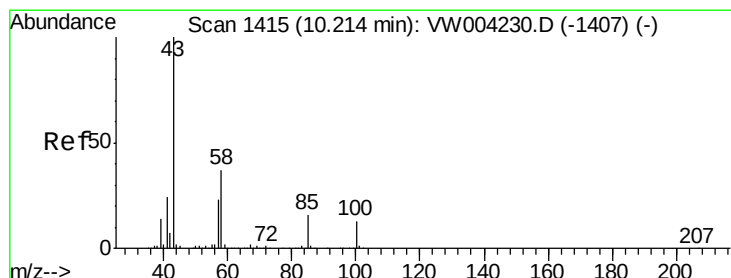
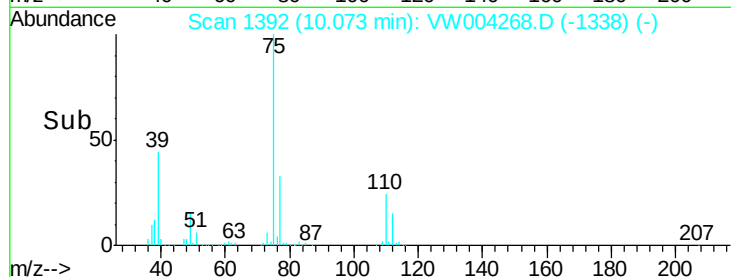
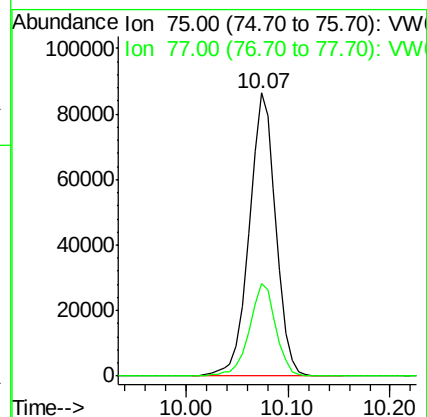
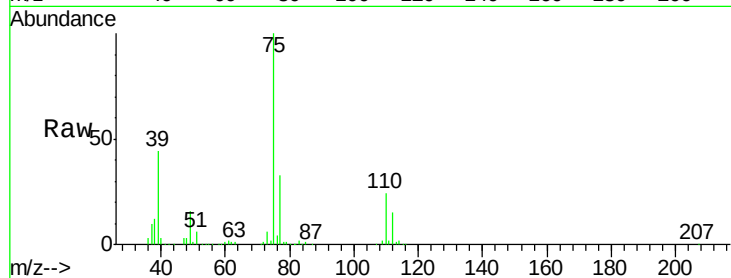
VSTD02593

Tgt Ion: 75 Resp: 156812

Ion Ratio Lower Upper

75 100

77 32.5 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 43.028 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

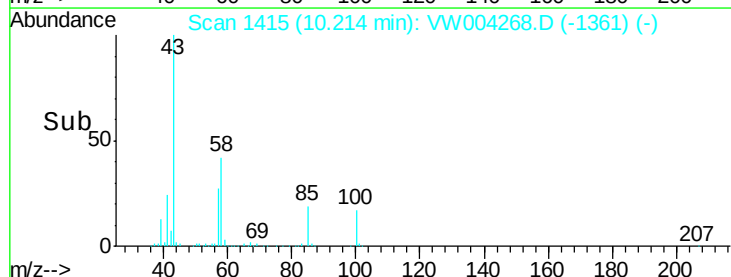
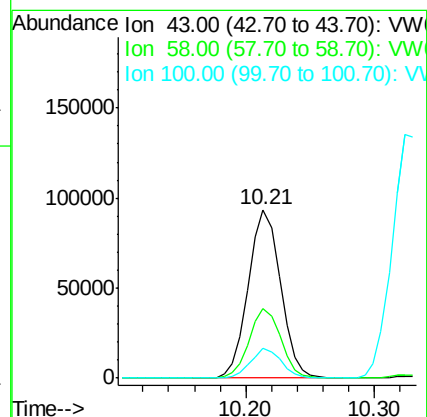
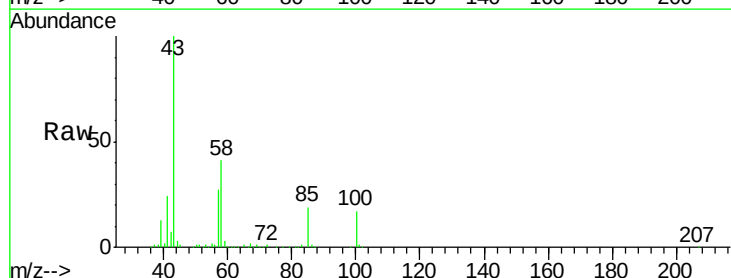
Tgt Ion: 43 Resp: 161432

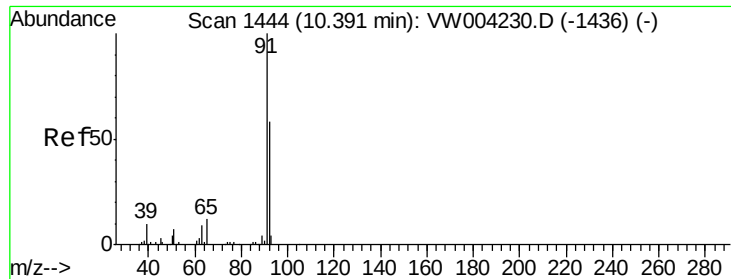
Ion Ratio Lower Upper

43 100

58 40.7 29.4 44.2

100 16.6 10.6 16.0#





#44

Toluene

Concen: 26.105 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampled :

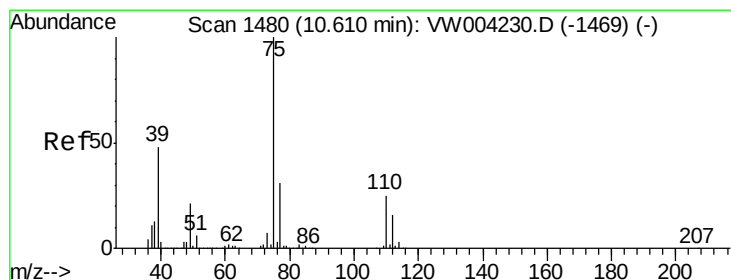
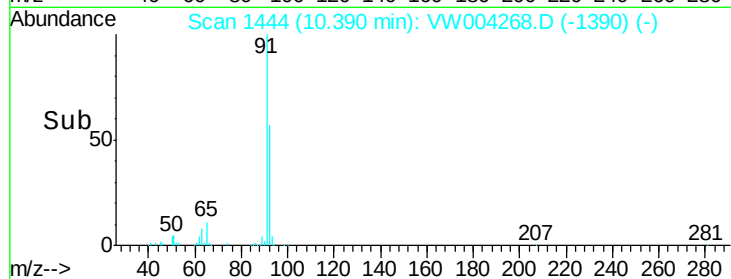
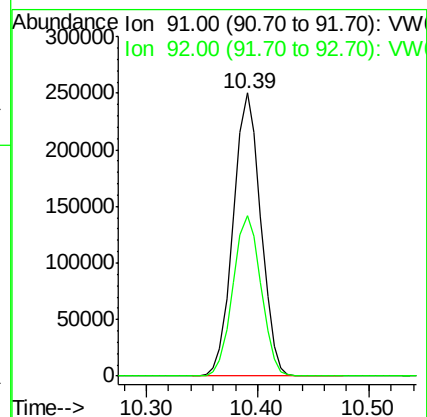
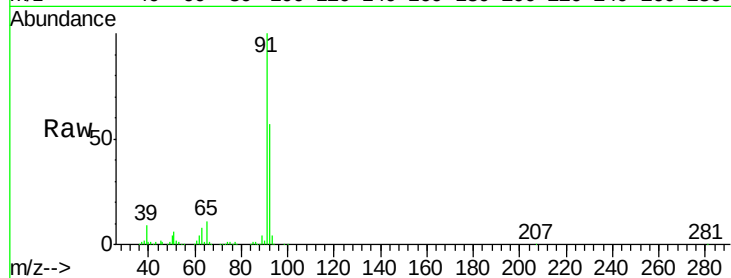
VSTD02593

Tgt Ion: 91 Resp: 427961

Ion Ratio Lower Upper

91 100

92 56.7 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 25.363 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004268.D

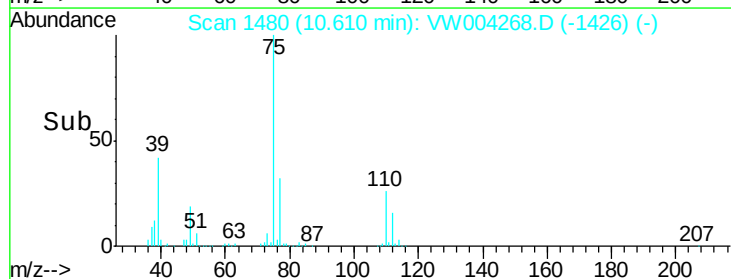
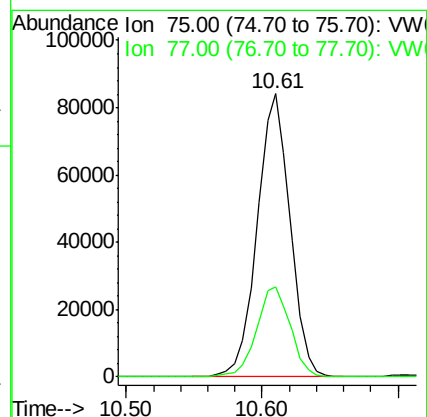
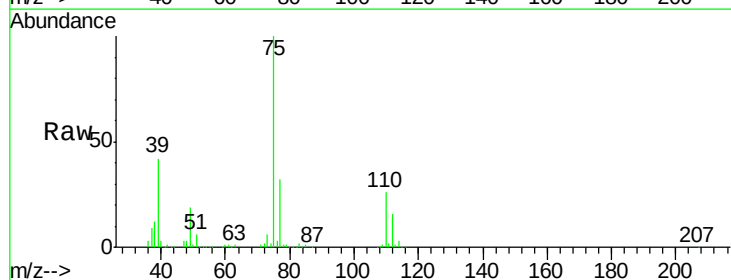
Acq: 27 Jul 2018 12:47

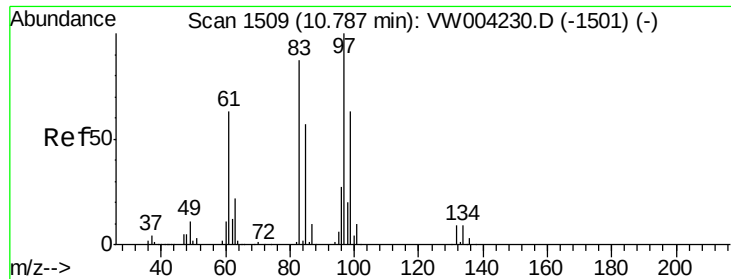
Tgt Ion: 75 Resp: 142492

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.2

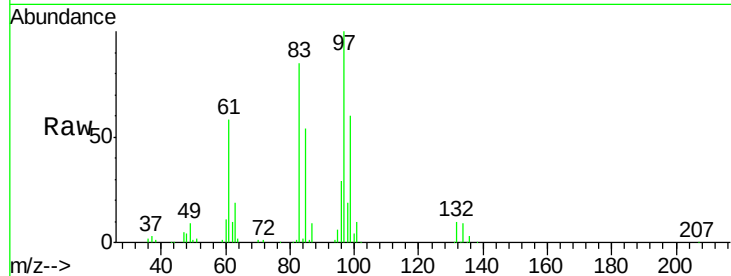




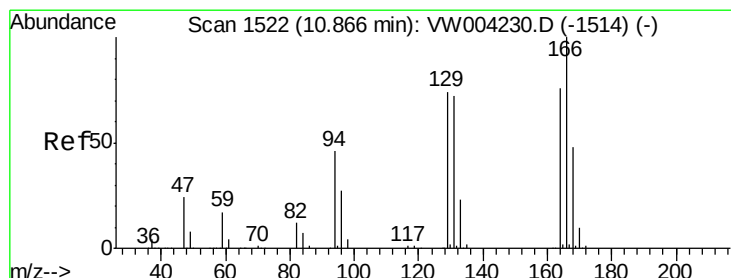
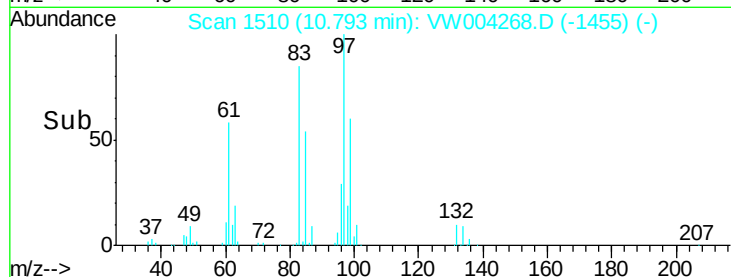
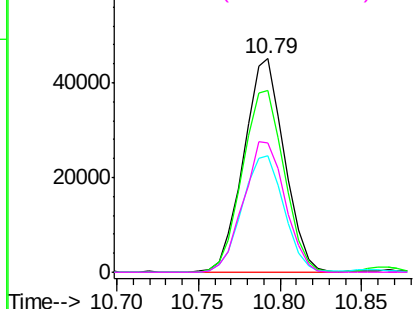
#46
 1,1,2-Trichloroethane
 Concen: 23.905 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

Tgt Ion: 97 Resp: 78164
 Ion Ratio Lower Upper
 97 100
 83 85.3 59.8 111.0
 85 54.3 39.3 73.1
 99 60.5 43.3 80.5

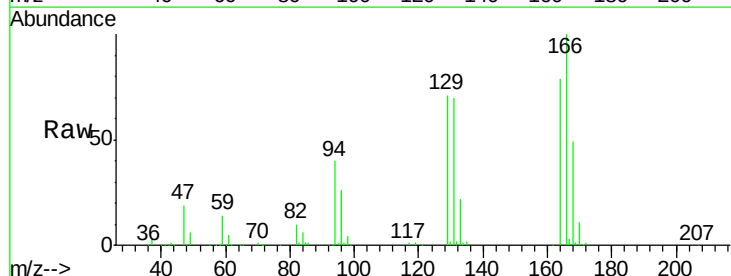


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

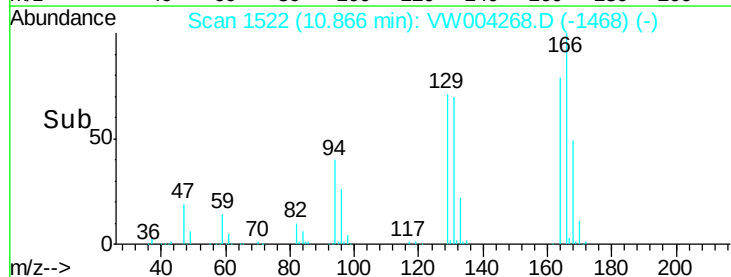
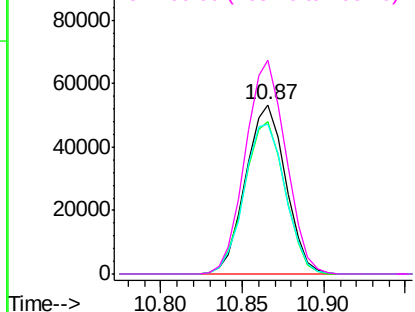


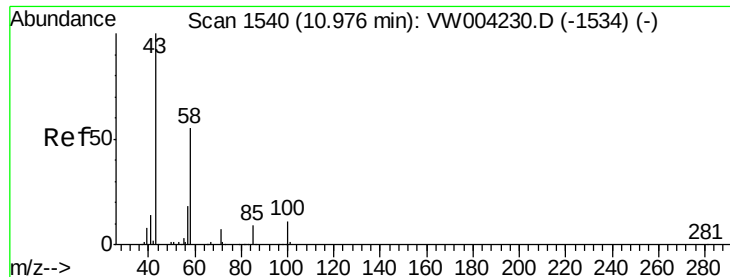
#47
 Tetrachloroethene
 Concen: 27.971 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

Tgt Ion: 164 Resp: 91303
 Ion Ratio Lower Upper
 164 100
 129 89.6 63.4 117.8
 131 88.5 63.1 117.1
 166 126.1 87.5 162.5



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

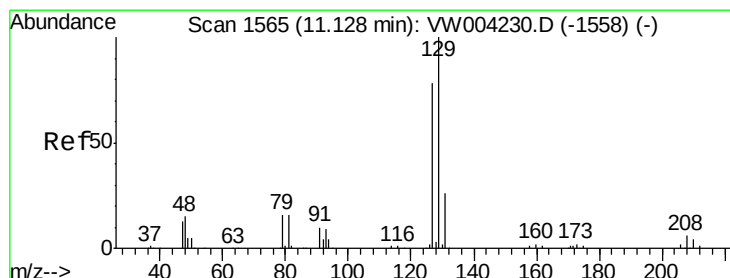
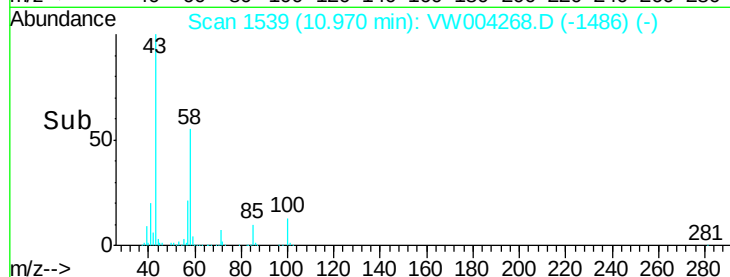
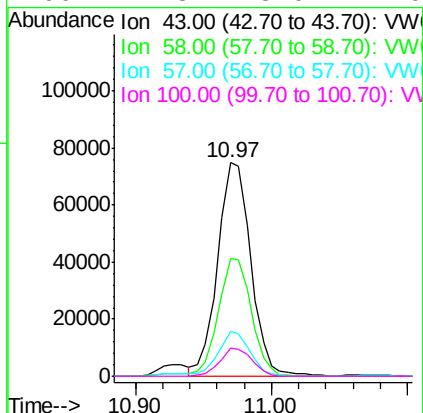
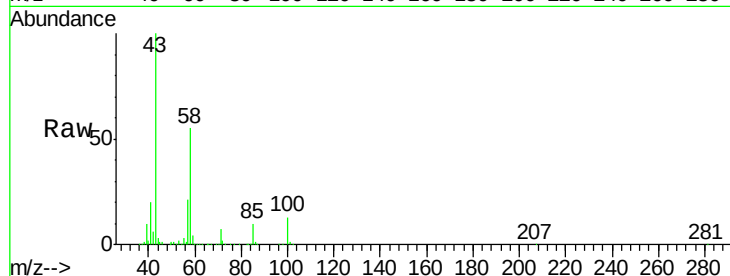




#49
2-Hexanone
Concen: 43.052 ug/L
RT: 10.97 min Scan# 1539
Delta R.T. -0.01 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

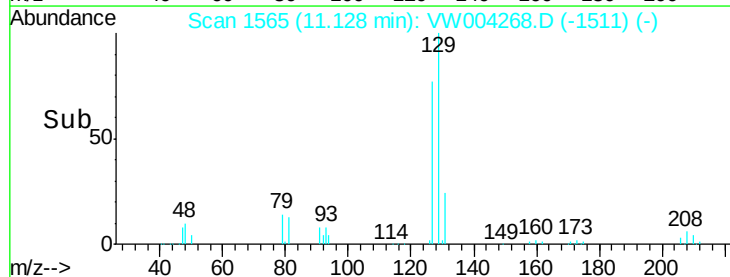
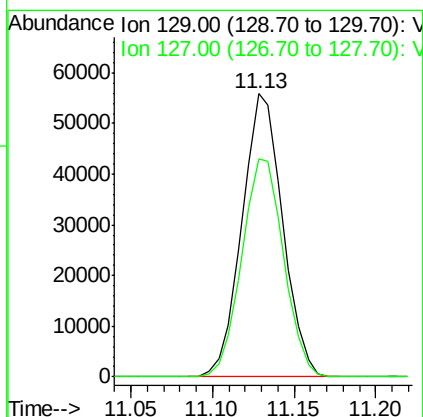
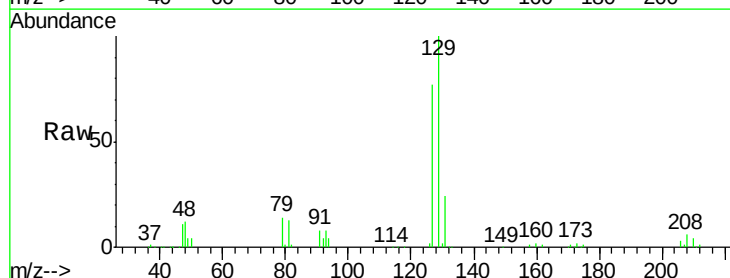
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

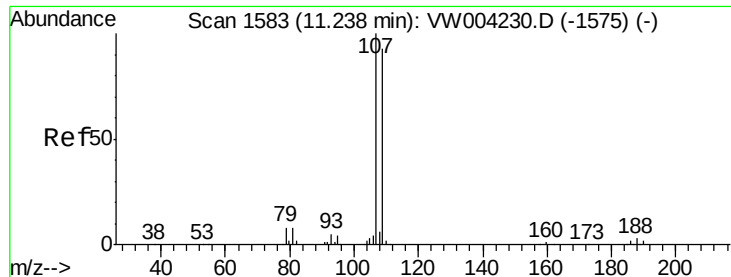
Tgt Ion: 43 Resp: 126556
Ion Ratio Lower Upper
43 100
58 55.0 39.8 59.8
57 20.0 13.9 20.9
100 12.8 8.0 12.0#



#50
Dibromochloromethane
Concen: 26.018 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

Tgt Ion: 129 Resp: 97031
Ion Ratio Lower Upper
129 100
127 77.0 52.7 97.9

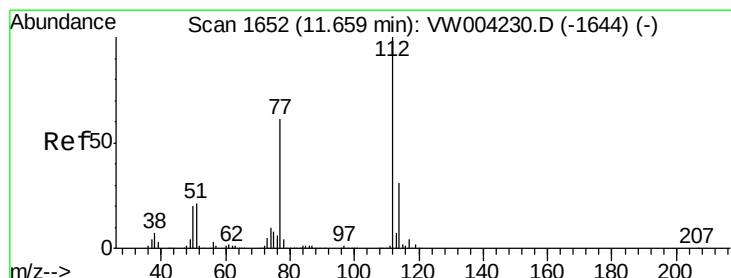
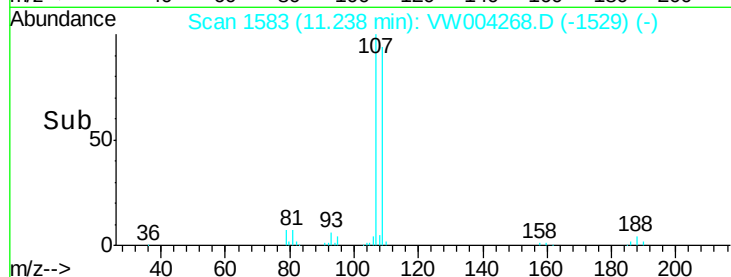
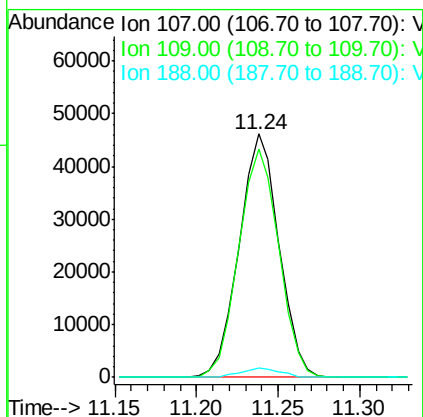
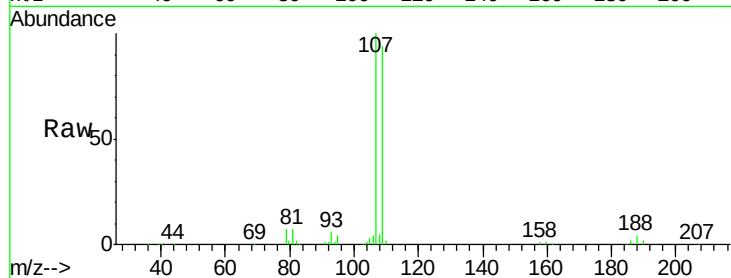




#51
1,2-Dibromoethane
Concen: 24.634 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

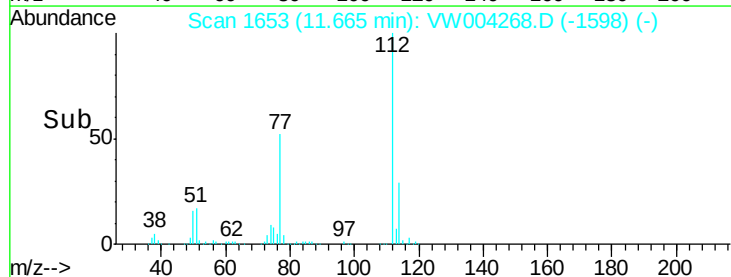
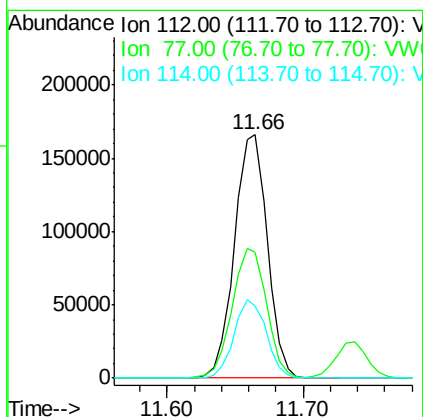
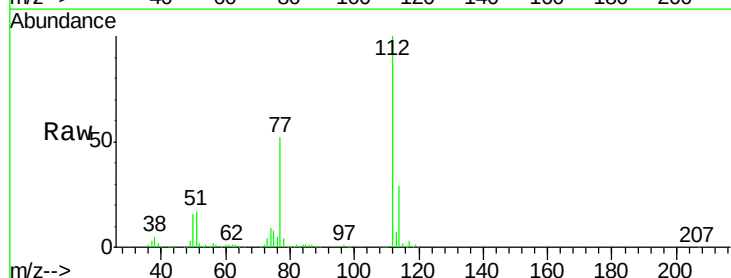
Instrument :
MSVOA_W
ClientSampleId :
VSTD02593

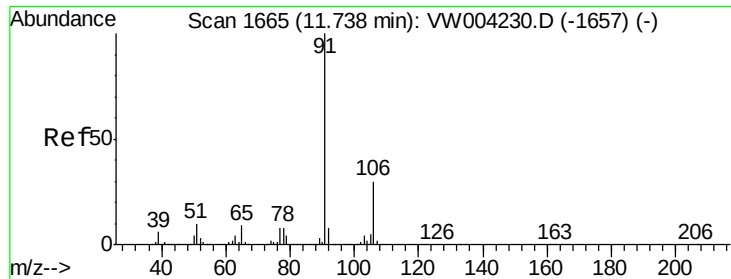
Tgt Ion:107 Resp: 78538
Ion Ratio Lower Upper
107 100
109 94.0 61.3 113.9
188 4.1 3.0 4.4



#52
Chlorobenzene
Concen: 26.738 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004268.D
Acq: 27 Jul 2018 12:47

Tgt Ion:112 Resp: 279368
Ion Ratio Lower Upper
112 100
77 51.9 45.2 67.8
114 29.5 22.9 42.5





#53

Ethylbenzene

Concen: 27.380 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

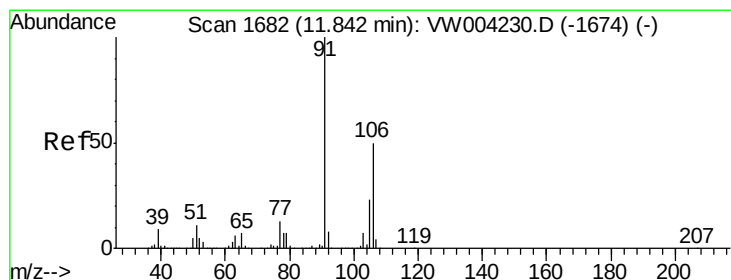
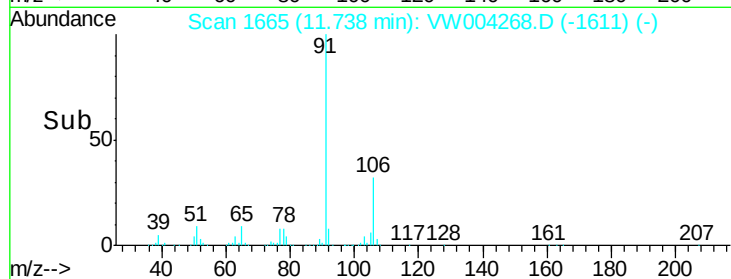
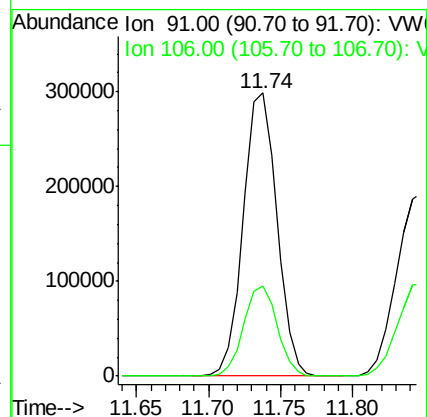
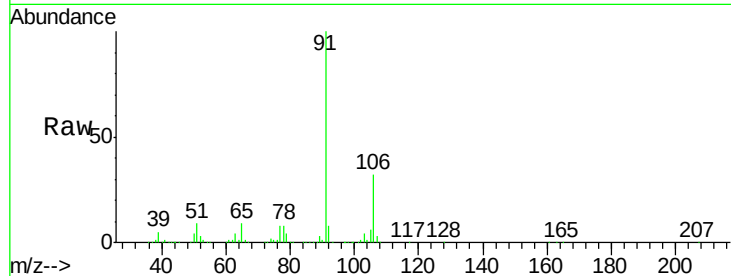
VSTD02593

Tgt Ion: 91 Resp: 484349

Ion Ratio Lower Upper

91 100

106 31.9 22.0 40.8



#54

m,p-Xylene

Concen: 27.310 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VW004268.D

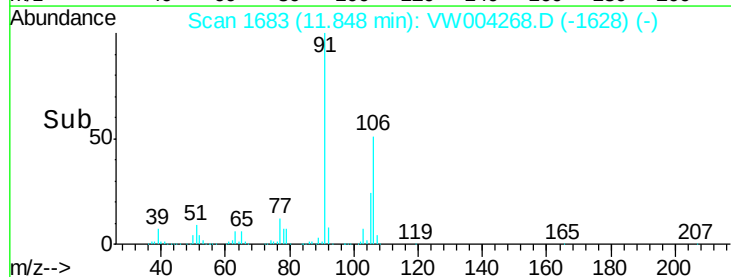
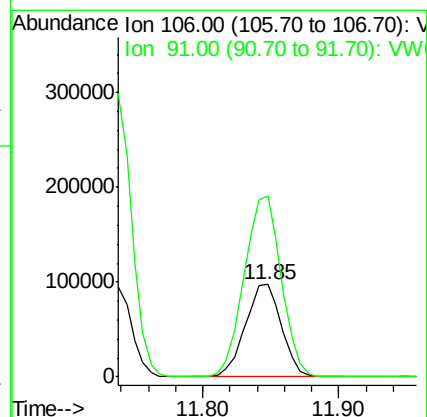
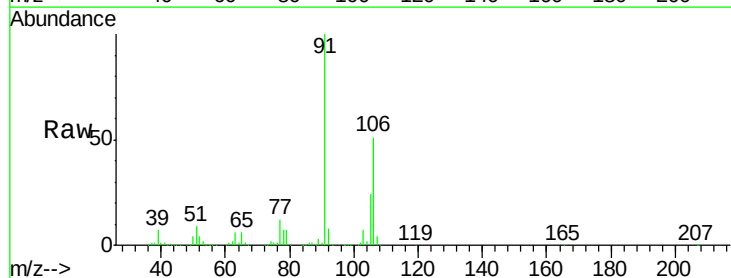
Acq: 27 Jul 2018 12:47

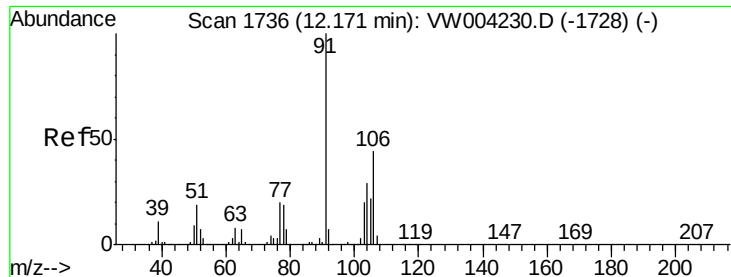
Tgt Ion: 106 Resp: 181709

Ion Ratio Lower Upper

106 100

91 196.1 138.8 257.8





#55

o-xylene

Concen: 28.613 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampled :

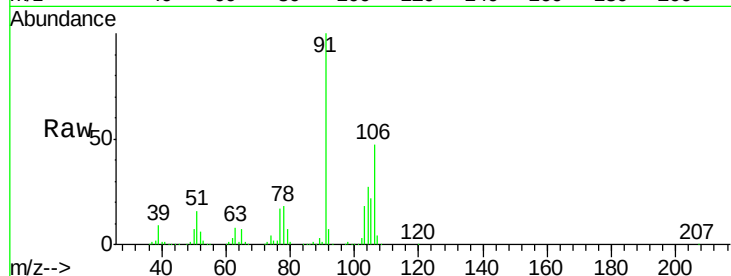
VSTD02593

Tgt Ion:106 Resp: 178189

Ion Ratio Lower Upper

106 100

91 213.5 153.5 285.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

250000

200000

150000

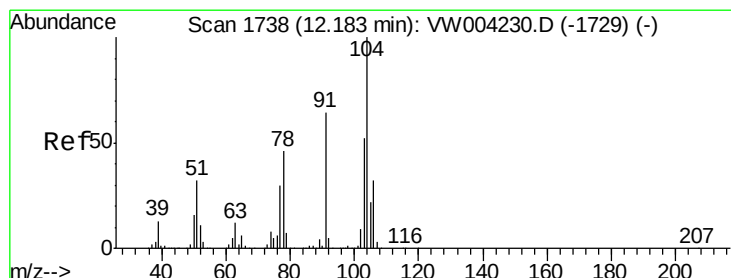
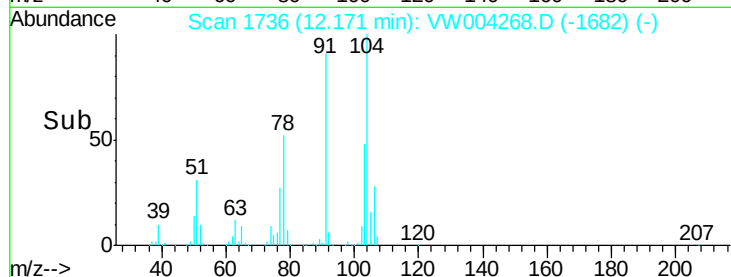
100000

50000

0

12.10 12.15 12.20

Time-->



#56

Styrene

Concen: 28.135 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VW004268.D

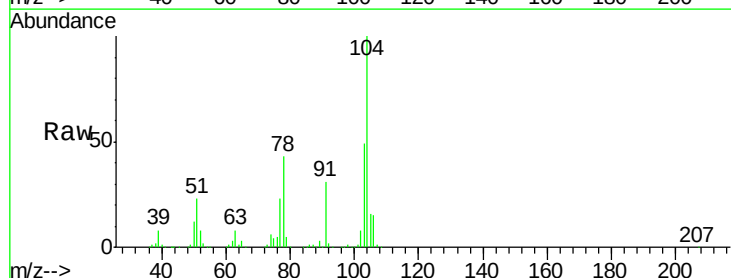
Acq: 27 Jul 2018 12:47

Tgt Ion:104 Resp: 303676

Ion Ratio Lower Upper

104 100

78 43.1 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

200000

150000

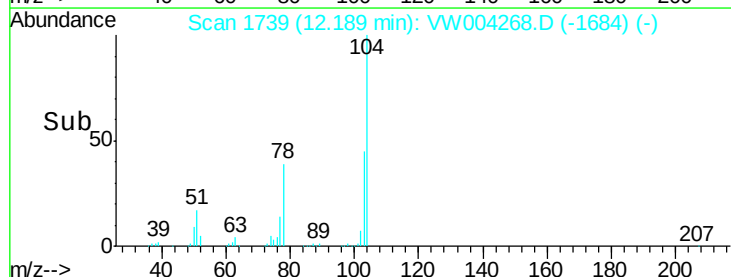
100000

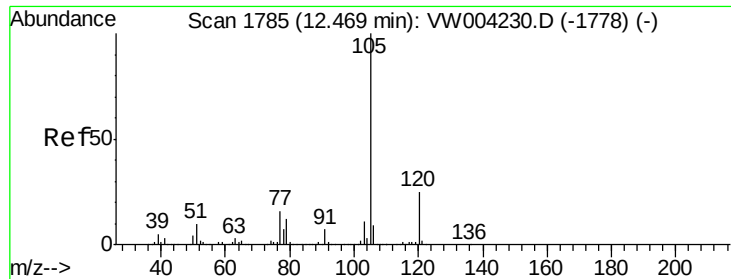
50000

0

12.10 12.15 12.20 12.25

Time-->





#57

Isopropylbenzene

Concen: 29.372 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

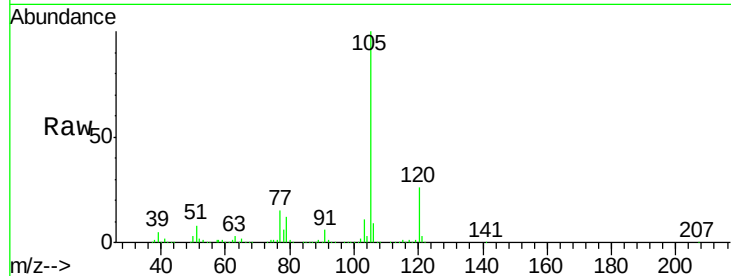
Tgt Ion: 105 Resp: 496920

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.0

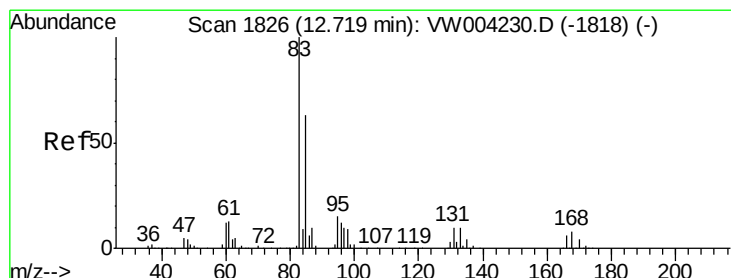
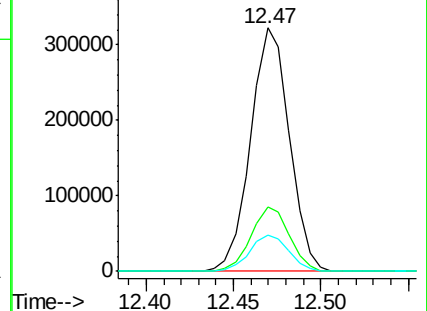
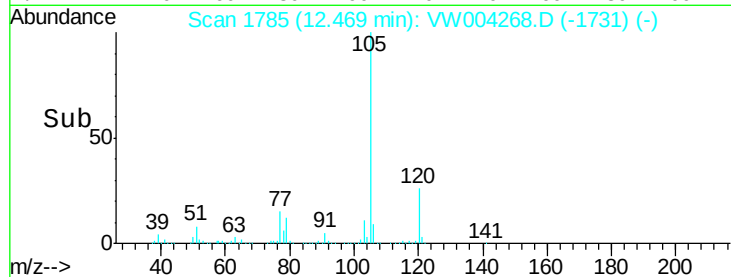
77 15.2 13.1 19.7



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: 23.455 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

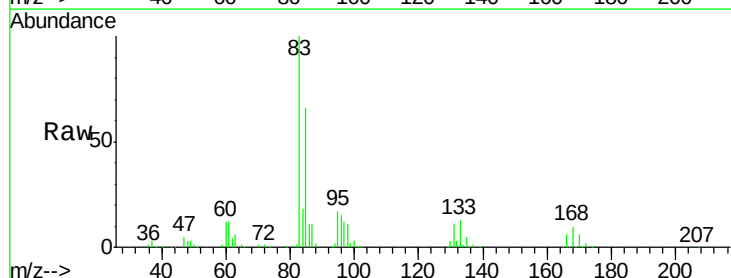
Tgt Ion: 83 Resp: 109334

Ion Ratio Lower Upper

83 100

85 65.9 47.7 88.7

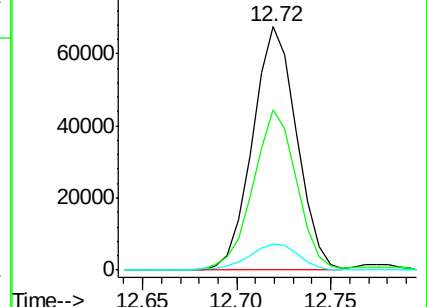
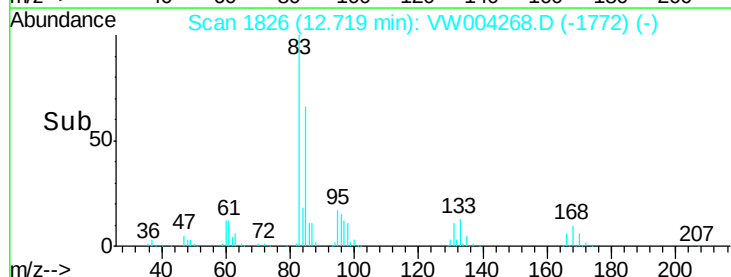
131 10.7 8.8 13.2

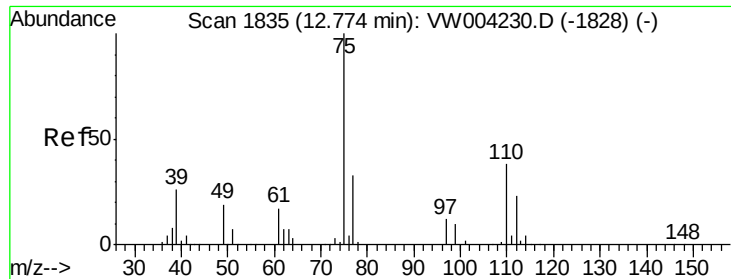


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.679 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

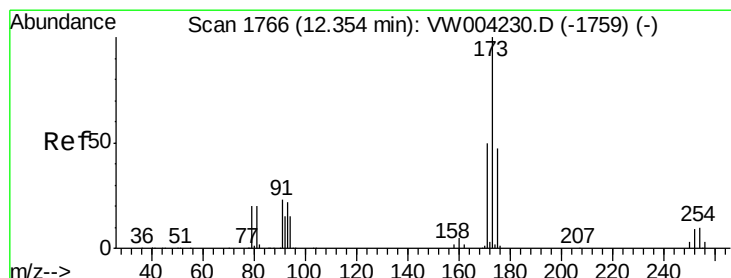
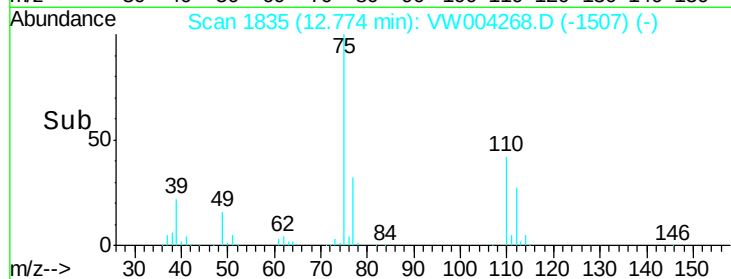
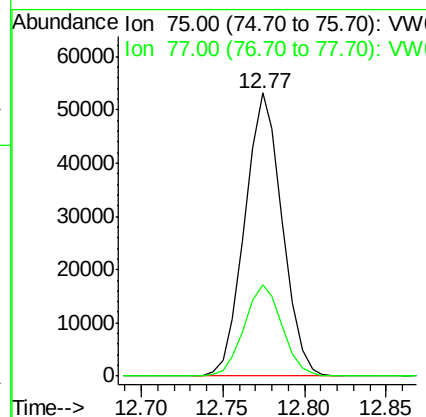
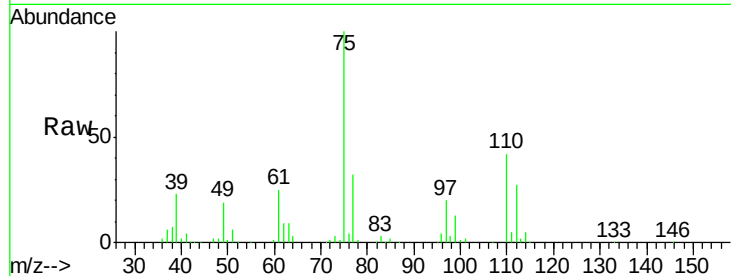
VSTD02593

Tgt Ion: 75 Resp: 84858

Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8



#62

Bromoform

Concen: 26.070 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

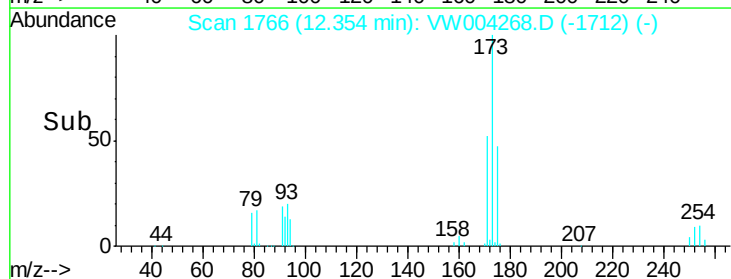
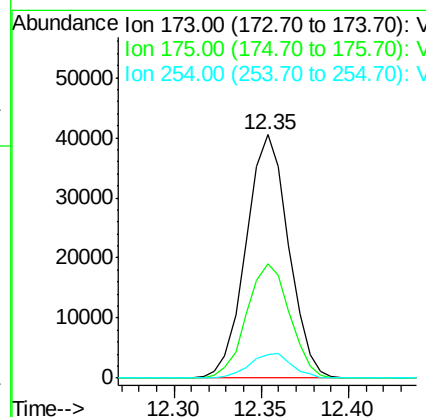
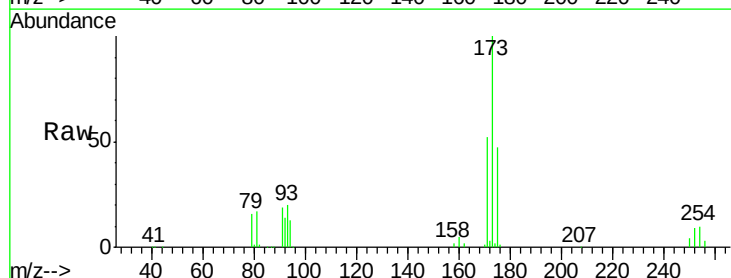
Tgt Ion: 173 Resp: 68382

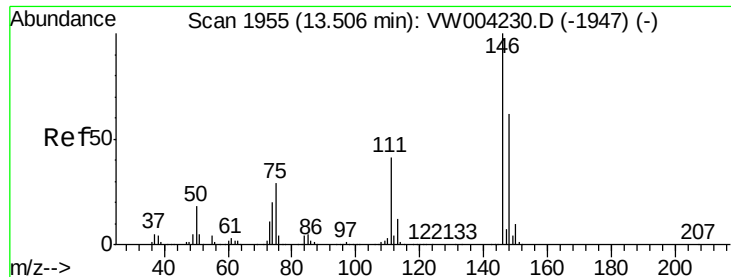
Ion Ratio Lower Upper

173 100

175 47.6 39.1 58.7

254 10.1 7.8 11.6

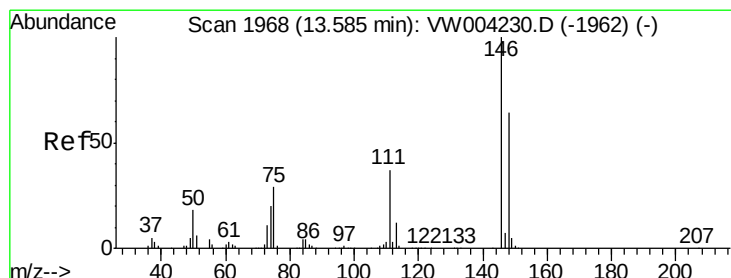
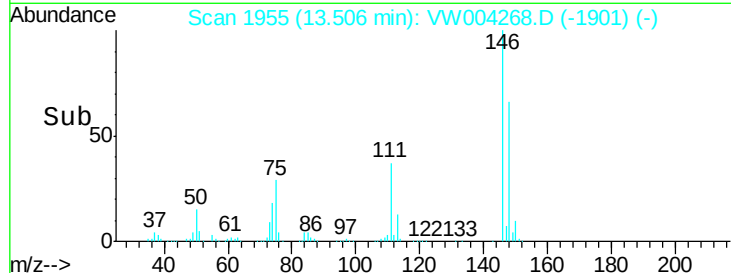
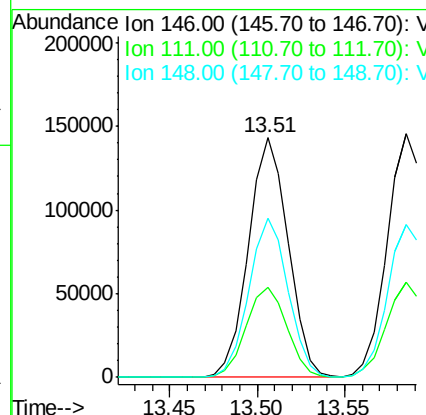
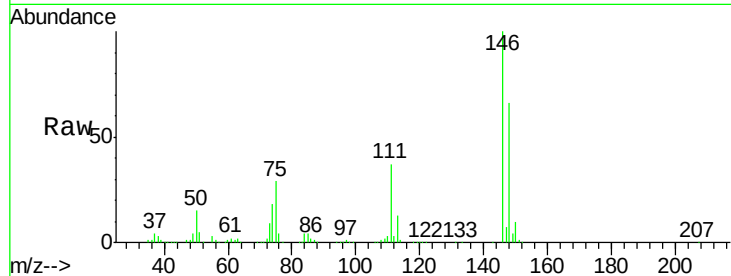




#63
 1,3-Dichlorobenzene
 Concen: 26.336 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

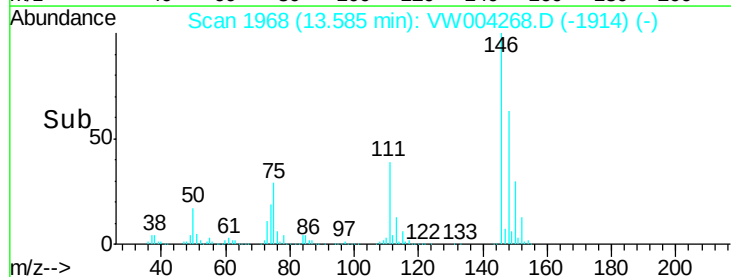
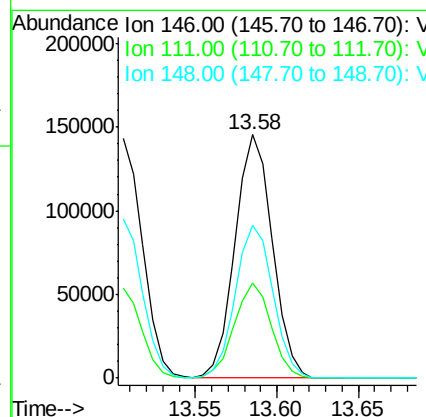
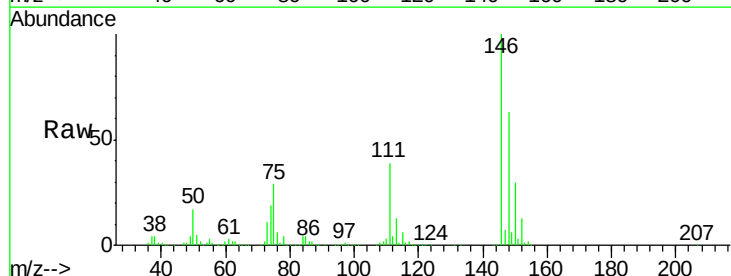
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

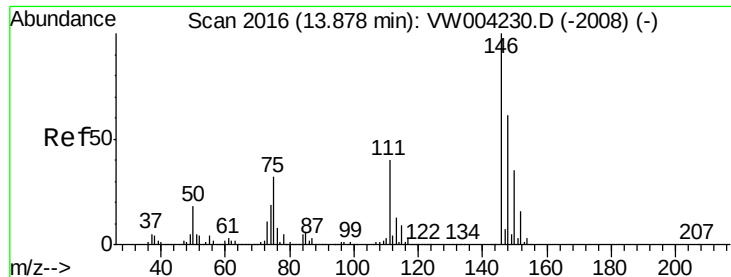
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	29.0	53.8
148	66.3	45.1	83.9



#64
 1,4-Dichlorobenzene
 Concen: 25.593 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	26.9	50.1
148	62.7	45.2	84.0

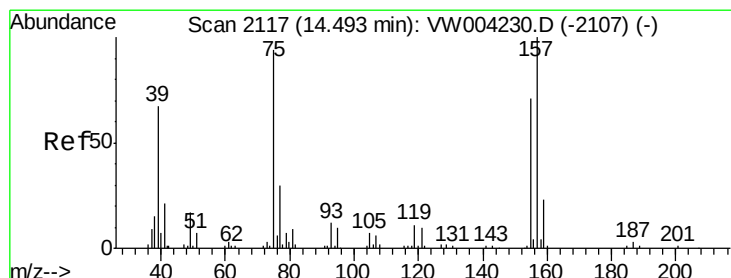
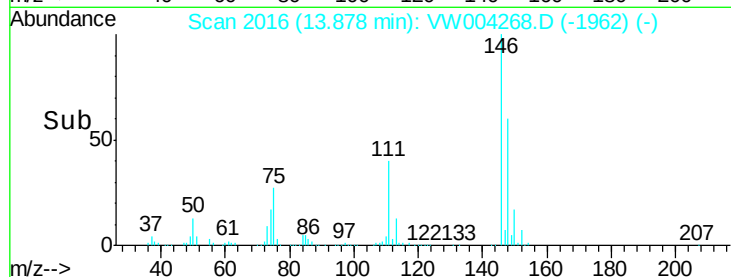
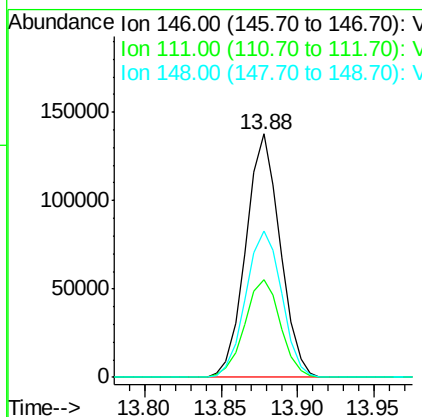
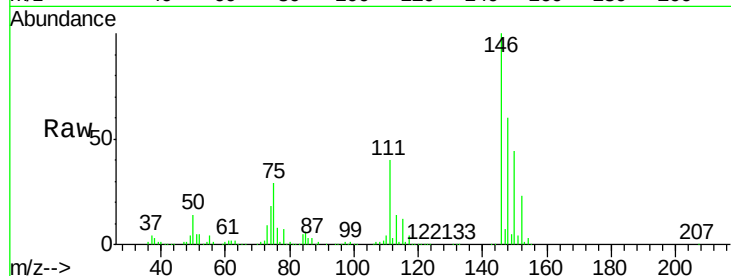




#65
 1,2-Dichlorobenzene
 Concen: 25.635 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

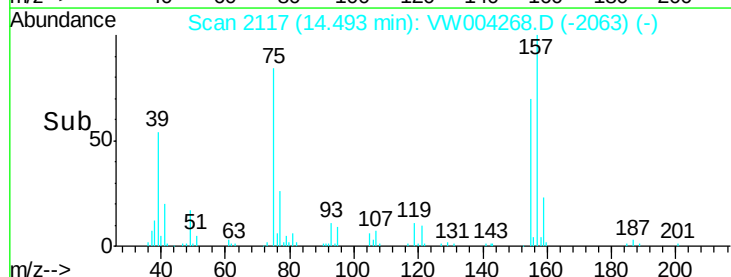
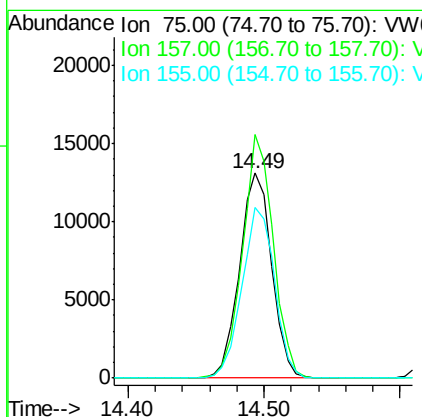
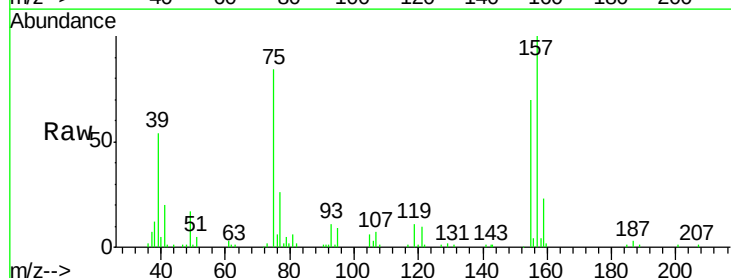
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

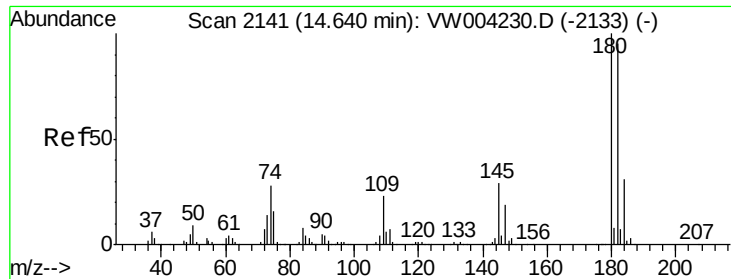
Tgt Ion: 146 Resp: 214696
 Ion Ratio Lower Upper
 146 100
 111 40.3 31.9 47.9
 148 59.9 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.908 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

Tgt Ion: 75 Resp: 21547
 Ion Ratio Lower Upper
 75 100
 157 118.9 78.8 118.2#
 155 83.2 60.2 90.4

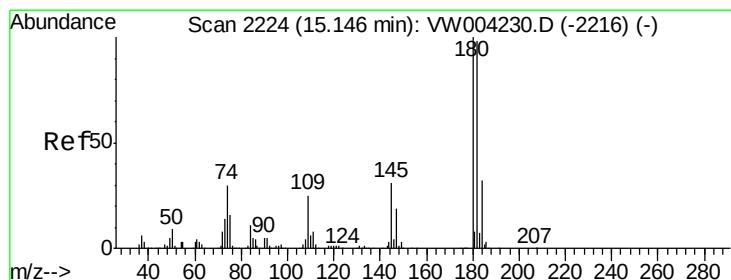
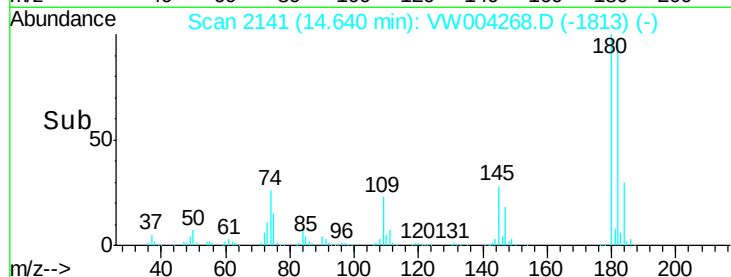
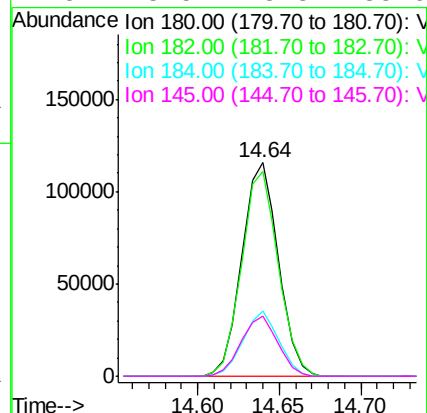
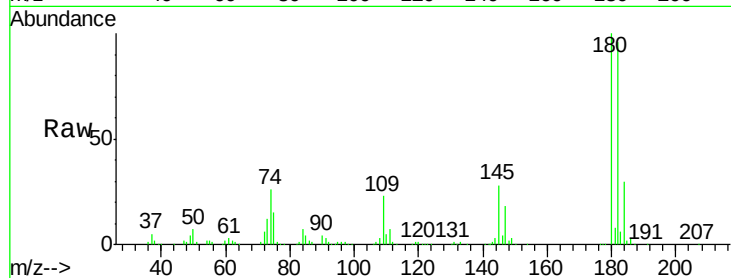




#67
 1,3,5-Trichlorobenzene
 Concen: 27.101 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

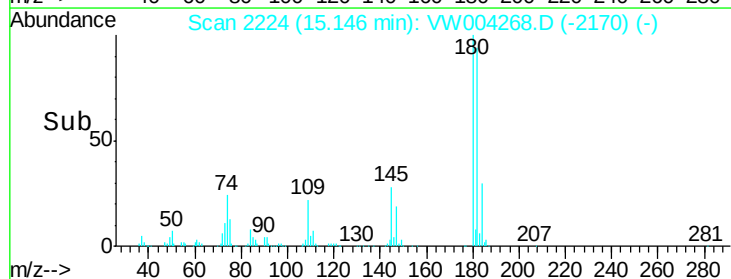
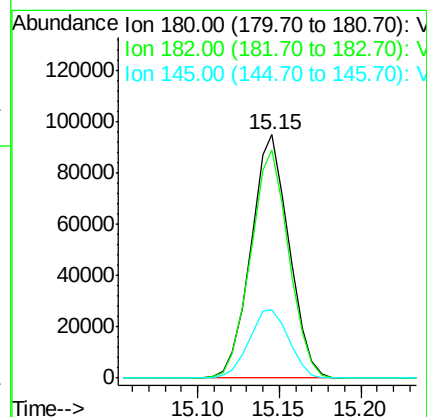
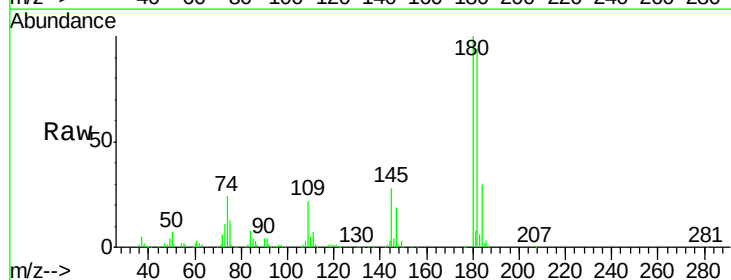
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

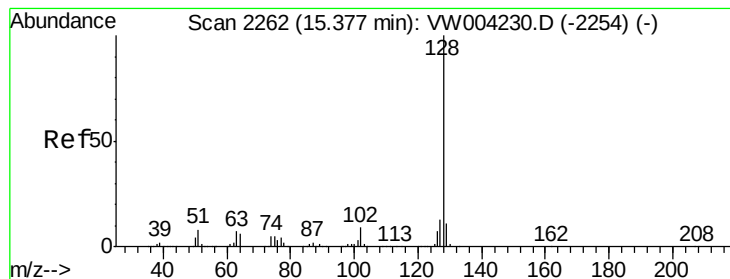
Tgt Ion:	180	Resp:	180215
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.4	116.2
184	29.8	23.8	35.8
145	28.5	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 28.372 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004268.D
 Acq: 27 Jul 2018 12:47

Tgt Ion:	180	Resp:	153869
Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.2	114.2
145	29.5	24.1	36.1





#69

Naphthalene

Concen: 27.793 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD02593

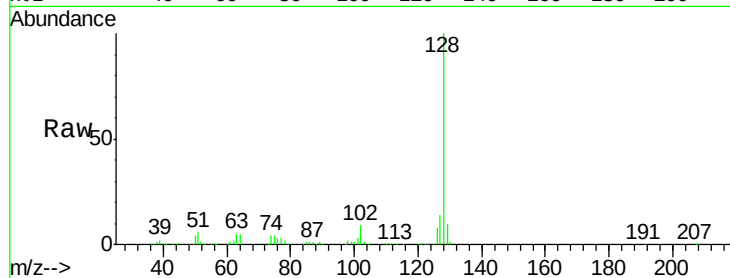
Tgt Ion:128 Resp: 346328

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

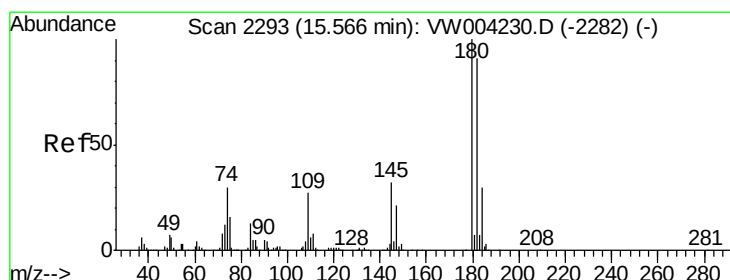
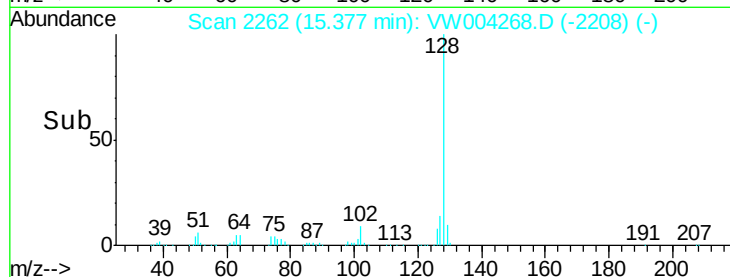
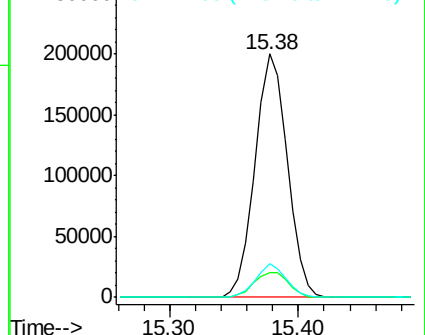
127 13.2 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.936 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004268.D

Acq: 27 Jul 2018 12:47

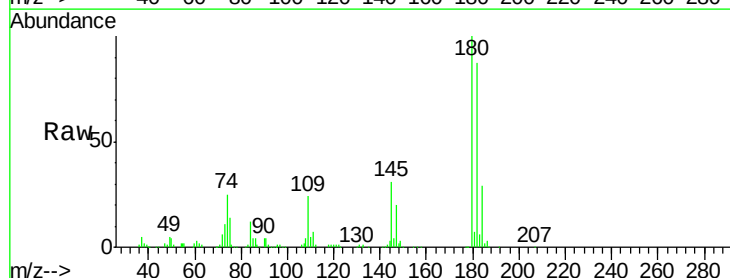
Tgt Ion:180 Resp: 141315

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

145 31.3 25.2 37.8



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

