

Data File : VW004360.D
Acq On : 31 Jul 2018 16:11
Operator : SY/AP
Sample : VSTD02598
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02598

Quant Time: Jul 31 16:35:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 31 16:10:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	295710	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	281001	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	149721	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	62934	21.14	ug/L	0.02
7) Chloroethane-d5	2.89	69	60602	27.99	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	145000	20.40	ug/L	0.00
20) 2-Butanone-d5	7.09	46	61324	36.39	ug/L	0.00
24) Chloroform-d	7.65	84	165786	21.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	93649	20.56	ug/L	0.00
29) Benzene-d6	8.27	84	324090	21.76	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	96707	19.52	ug/L	0.00
37) Toluene-d8	10.33	98	324142	23.03	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	51478	22.90	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	54271	41.69	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	108137	21.38	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	135402	24.19	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66857	33.988	ug/L	98
3) Chloromethane	2.22	50	72010	25.932	ug/L	96
5) Vinyl chloride	2.37	62	89673	24.202	ug/L	93
6) Bromomethane	2.78	94	62602	30.158	ug/L	97
8) Chloroethane	2.93	64	63965	32.124	ug/L	100
9) Trichlorofluoromethane	3.26	101	68815	38.375	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	88534	25.058	ug/L	92
12) 1,1-Dichloroethene	4.03	96	83773	24.496	ug/L	82
13) Acetone	4.14	43	51020	29.981	ug/L	95
14) Carbon disulfide	4.38	76	254262	23.092	ug/L	98
15) Methyl Acetate	4.68	43	51817	18.305	ug/L #	90
16) Methylene chloride	4.92	84	91767	22.134	ug/L	90
17) Methyl tert-butyl Ether	5.43	73	136635	20.126	ug/L	95
18) trans-1,2-Dichloroethene	5.42	96	91998	25.542	ug/L	92
19) 1,1-Dichloroethane	6.21	63	157352	22.427	ug/L	95
21) 2-Butanone	7.18	43	71418	33.295	ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	102217	25.527	ug/L	91
23) Bromochloromethane	7.52	128	48488	25.579	ug/L #	80
25) Chloroform	7.68	83	168316	23.396	ug/L	99
27) 1,2-Dichloroethane	8.40	62	113716	21.490	ug/L	97
30) Cyclohexane	7.96	56	147936	23.792	ug/L	88
31) 1,1,1-Trichloroethane	7.87	97	146029	25.751	ug/L	96
32) Carbon tetrachloride	8.07	117	141236	25.607	ug/L	100
34) Benzene	8.33	78	367628	22.757	ug/L	100
35) Trichloroethene	9.10	95	101667	23.923	ug/L	96
36) Methylcyclohexane	9.34	83	180766	25.451	ug/L	93
40) 1,2-Dichloropropane	9.37	63	90519	20.637	ug/L	99
41) Bromodichloromethane	9.65	83	123354	22.775	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	151149	23.690	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	148081	37.897	ug/L #	93

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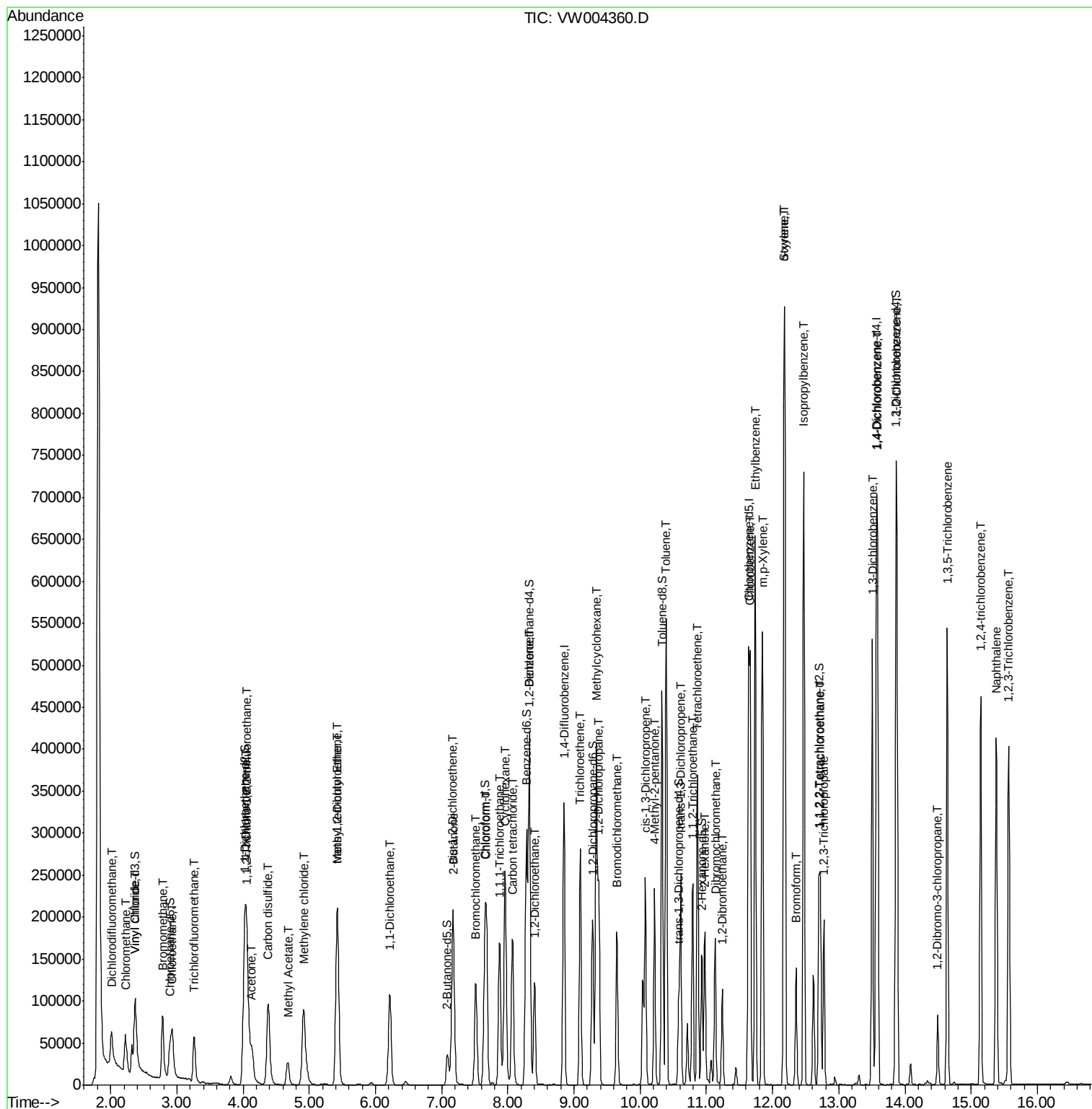
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	414995	24.306	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	136303	23.295	ug/L	94
46) 1,1,2-Trichloroethane	10.79	97	77493	22.756	ug/L	98
47) Tetrachloroethene	10.87	164	90457	26.608	ug/L	99
49) 2-Hexanone	10.98	43	111089	36.285	ug/L #	93
50) Dibromochloromethane	11.13	129	97583	25.124	ug/L	95
51) 1,2-Dibromoethane	11.24	107	79801	24.034	ug/L	94
52) Chlorobenzene	11.66	112	274832	25.256	ug/L	97
53) Ethylbenzene	11.74	91	473380	25.694	ug/L	97
54) m,p-Xylene	11.85	106	179938	25.967	ug/L	100
55) o-xylene	12.17	106	175125	27.001	ug/L	91
56) Styrene	12.18	104	303483	26.997	ug/L	100
57) Isopropylbenzene	12.47	105	480306	27.259	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	104566	21.539	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	78892	21.137	ug/L	97
62) Bromoform	12.35	173	68200	25.372	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	230380	26.151	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	237537	25.536	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	222484	25.923	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21454	22.258	ug/L	86
67) 1,3,5-Trichlorobenzene	14.64	180	181946	26.700	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	158874	28.587	ug/L	99
69) Naphthalene	15.38	128	366096	28.669	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	148393	27.601	ug/L	99

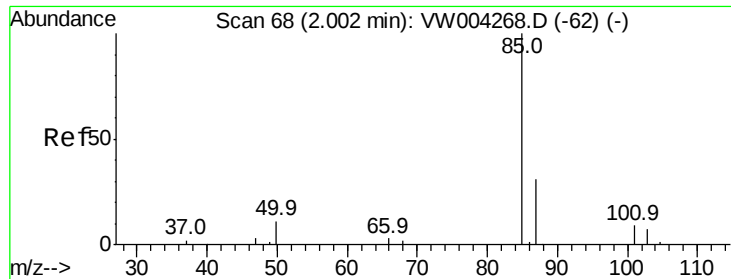
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 33.988 ug/L

RT: 2.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampled :

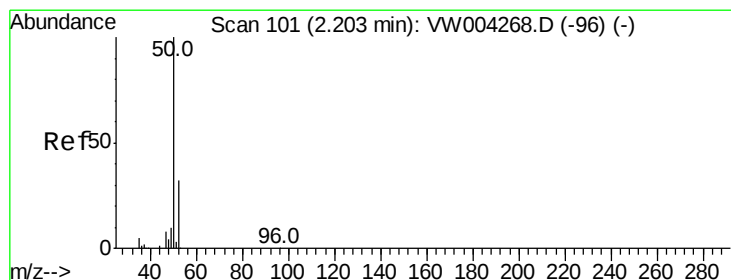
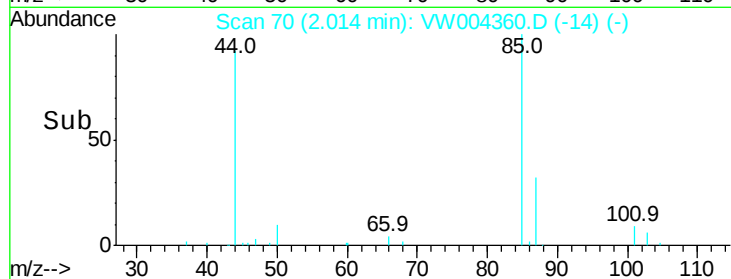
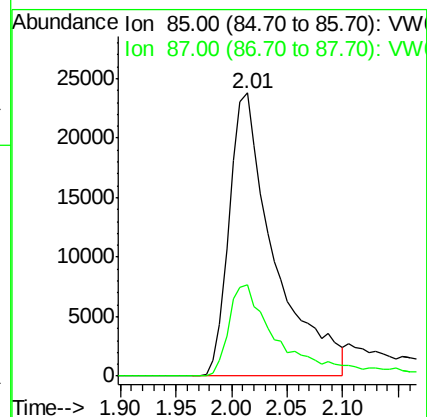
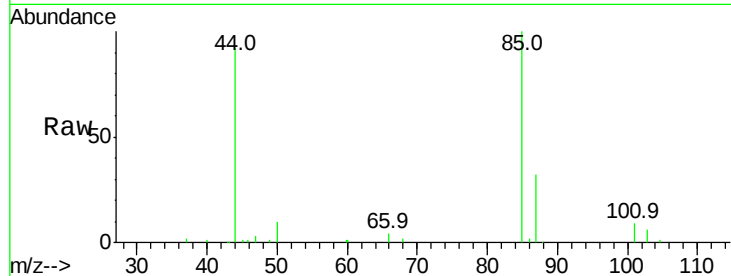
VSTD02598

Tgt Ion: 85 Resp: 66857

Ion Ratio Lower Upper

85 100

87 31.6 22.7 42.3



#3

Chloromethane

Concen: 25.932 ug/L

RT: 2.22 min Scan# 104

Delta R.T. 0.01 min

Lab File: VW004360.D

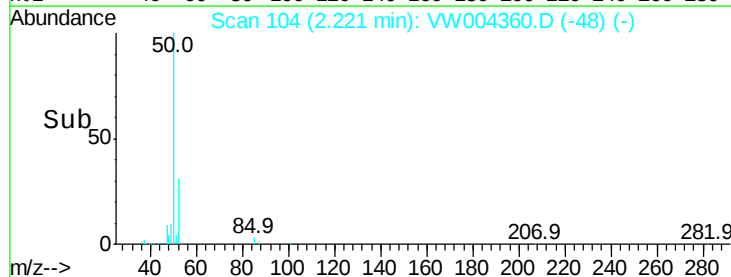
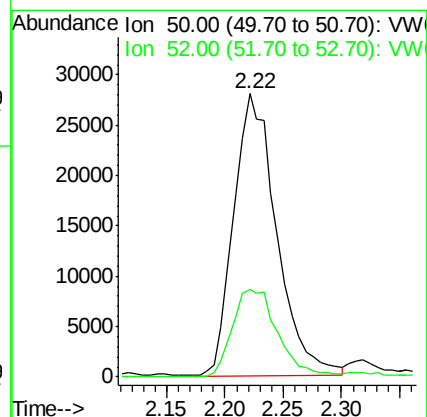
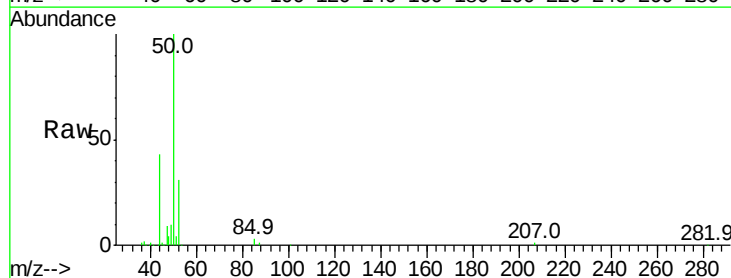
Acq: 31 Jul 2018 16:11

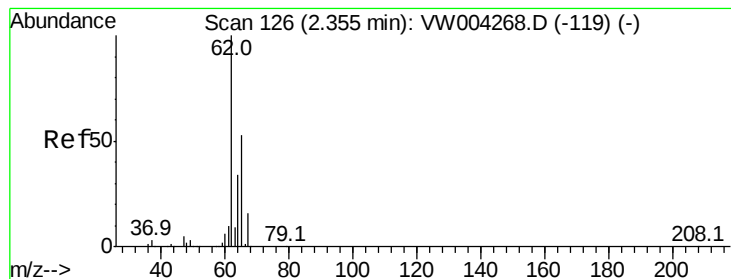
Tgt Ion: 50 Resp: 72010

Ion Ratio Lower Upper

50 100

52 30.8 23.2 43.2





#5

Vinyl chloride

Concen: 24.202 ug/L

RT: 2.37 min Scan# 129

Delta R.T. 0.02 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

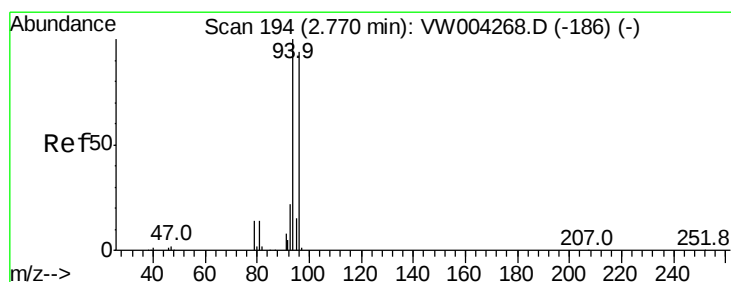
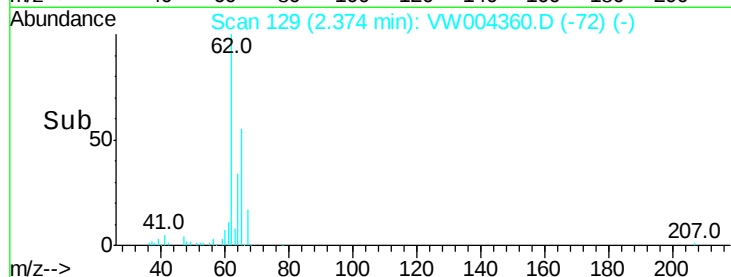
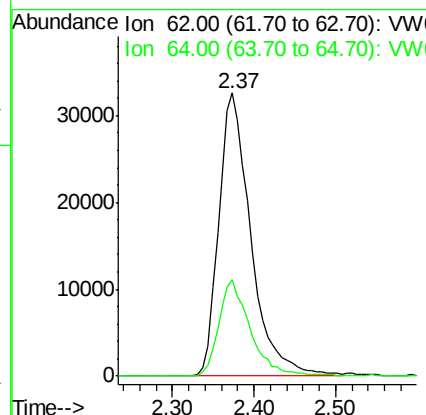
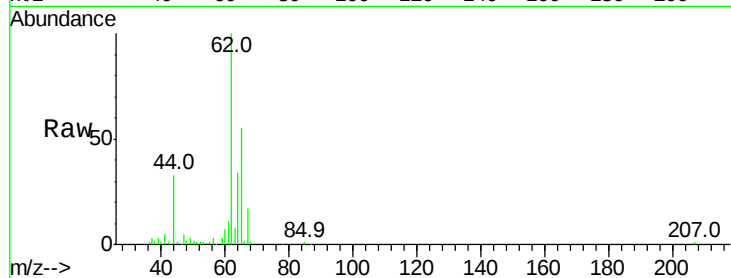
VSTD02598

Tgt Ion: 62 Resp: 89673

Ion Ratio Lower Upper

62 100

64 34.2 21.4 39.8



#6

Bromomethane

Concen: 30.158 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004360.D

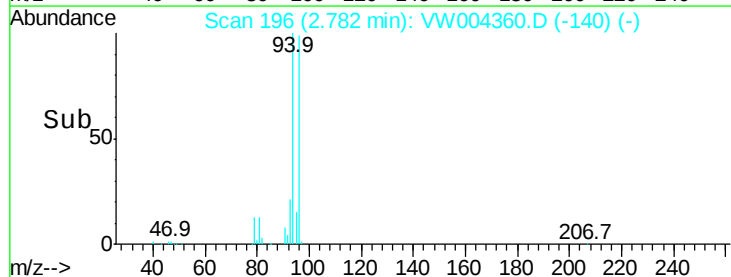
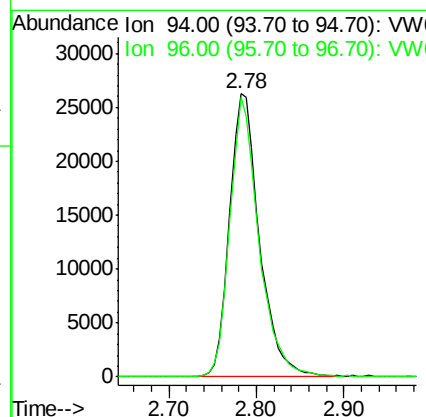
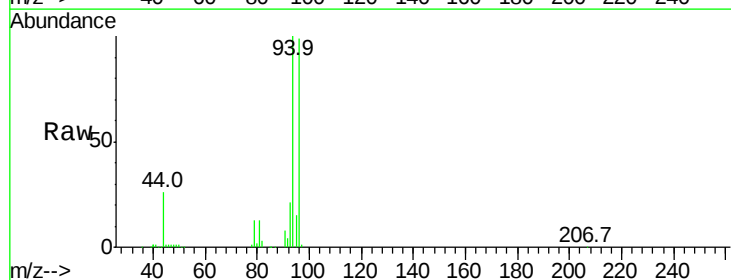
Acq: 31 Jul 2018 16:11

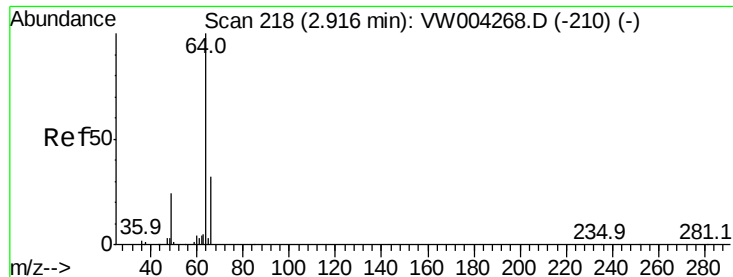
Tgt Ion: 94 Resp: 62602

Ion Ratio Lower Upper

94 100

96 95.3 9.2 175.6





#8

Chloroethane

Concen: 32.124 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

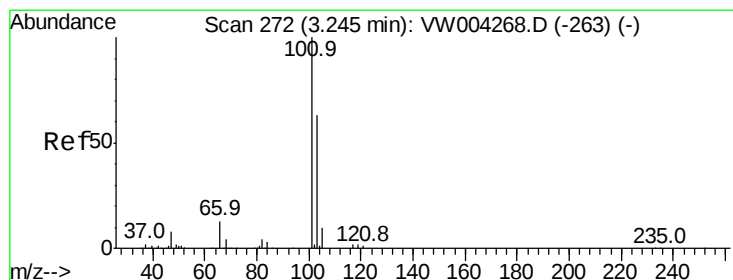
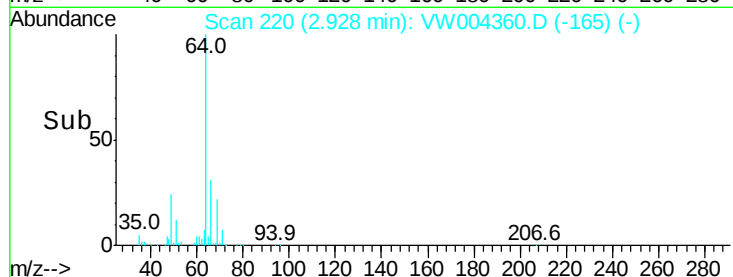
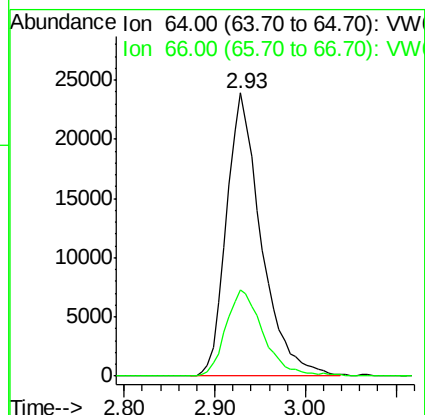
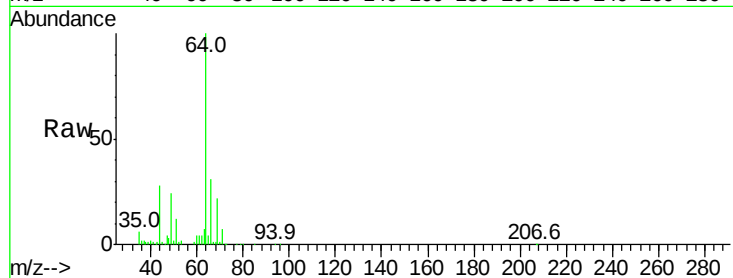
VSTD02598

Tgt Ion: 64 Resp: 63965

Ion Ratio Lower Upper

64 100

66 30.7 21.6 40.2



#9

Trichlorofluoromethane

Concen: 38.375 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.01 min

Lab File: VW004360.D

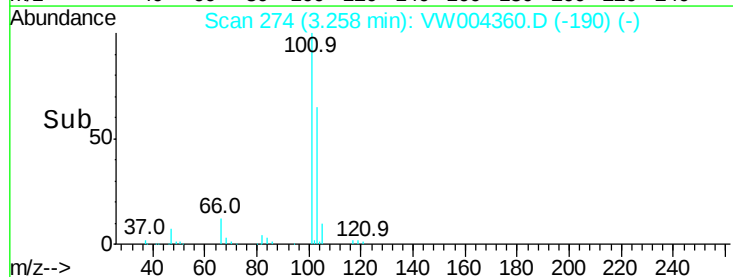
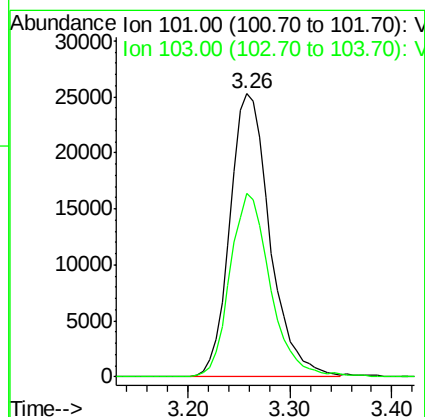
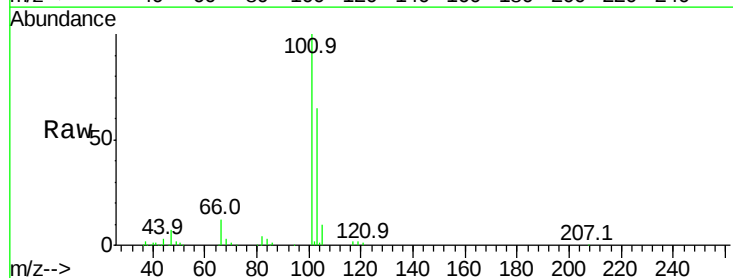
Acq: 31 Jul 2018 16:11

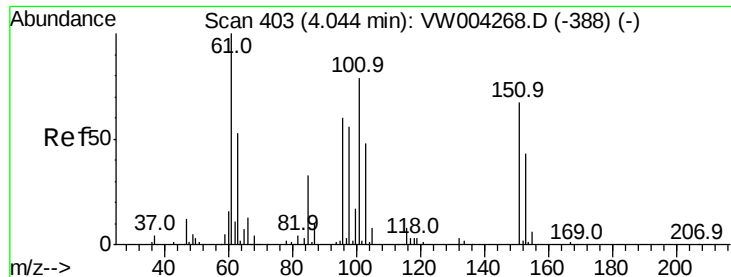
Tgt Ion: 101 Resp: 68815

Ion Ratio Lower Upper

101 100

103 64.7 44.6 82.8





#11

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

Concen: 25.058 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02598

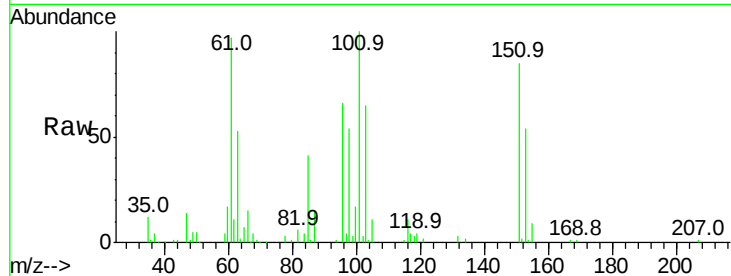
Tgt Ion:101 Resp: 88534

Ion Ratio Lower Upper

101 100

85 40.5 35.8 53.8

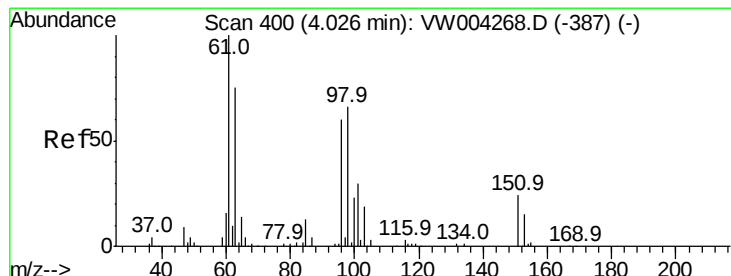
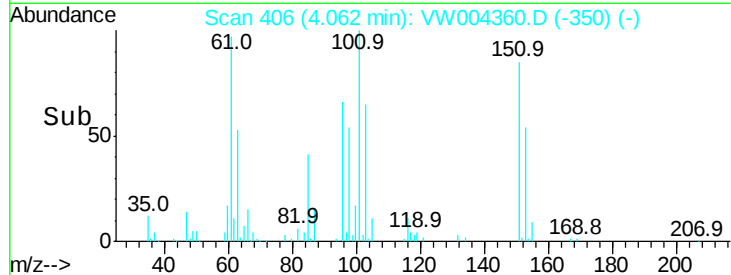
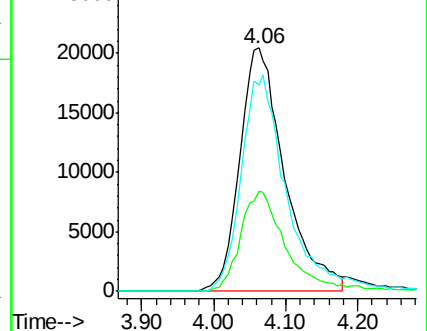
151 86.5 63.4 95.2



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: 24.496 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

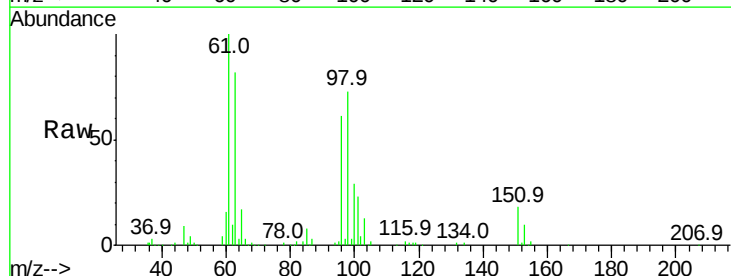
Tgt Ion: 96 Resp: 83773

Ion Ratio Lower Upper

96 100

61 164.9 133.1 247.3

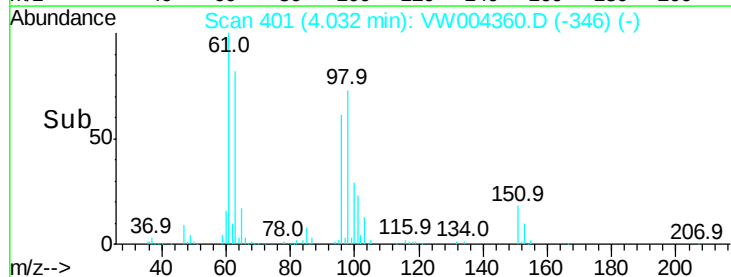
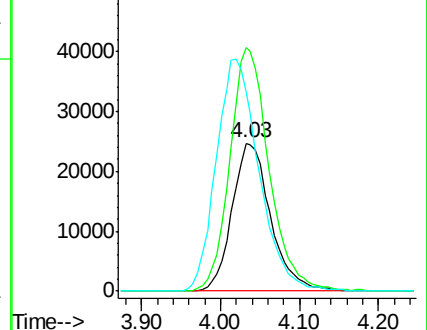
63 134.8 111.7 207.5

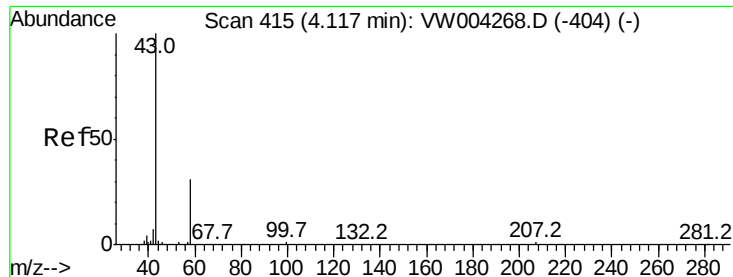


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 29.981 ug/L

RT: 4.14 min Scan# 418

Delta R.T. 0.02 min

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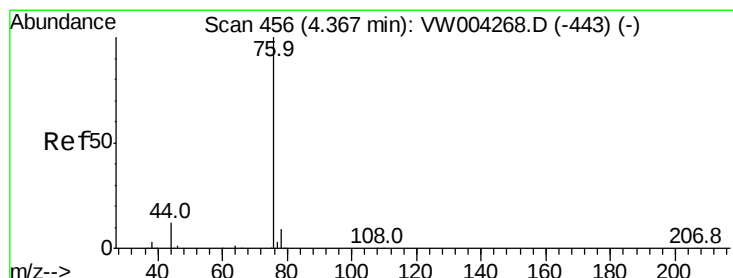
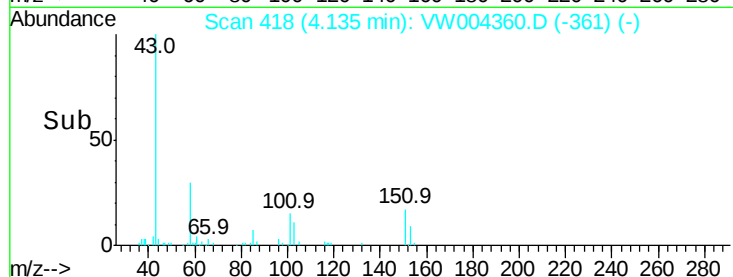
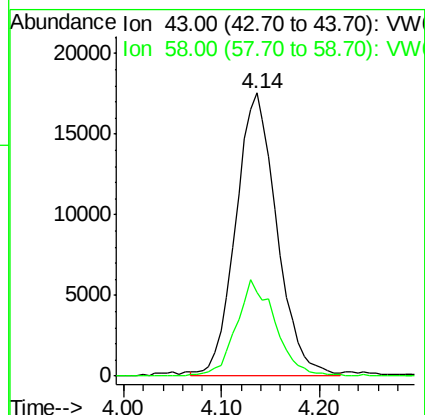
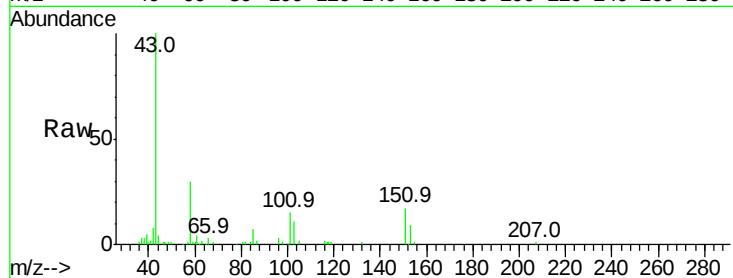
VSTD02598

Tgt Ion: 43 Resp: 51020

Ion Ratio Lower Upper

43 100

58 32.4 0.0 59.8



#14

Carbon disulfide

Concen: 23.092 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004360.D

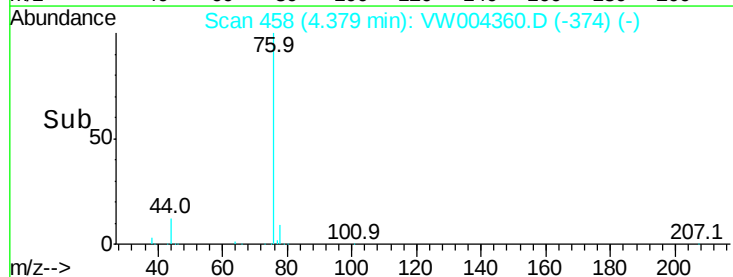
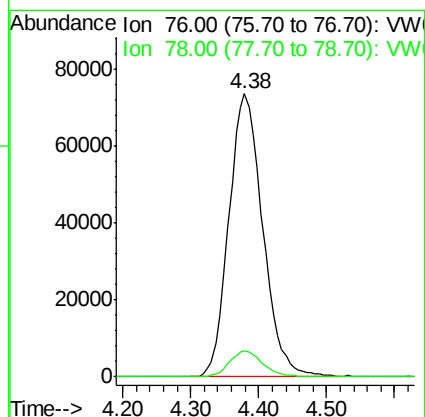
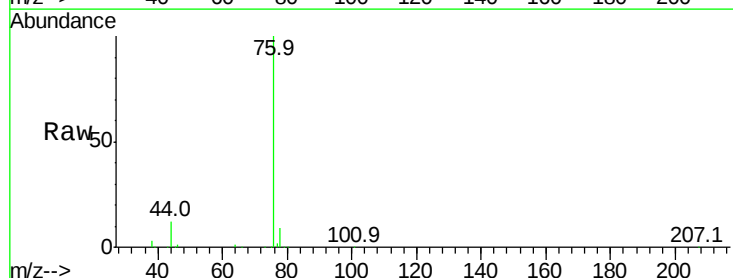
Acq: 31 Jul 2018 16:11

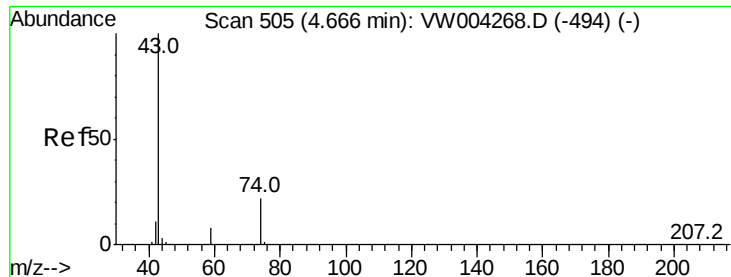
Tgt Ion: 76 Resp: 254262

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6





#15

Methyl Acetate

Concen: 18.305 ug/L

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

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ClientSampleId :

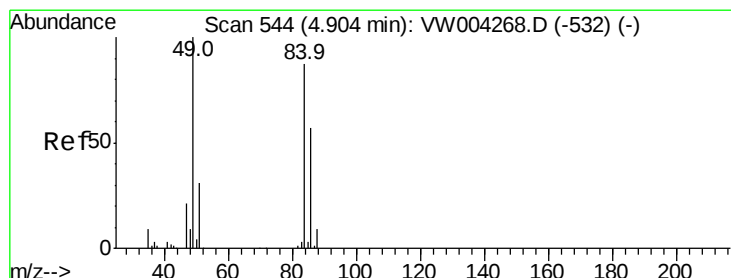
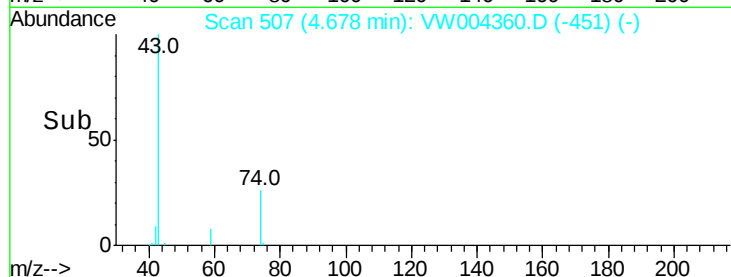
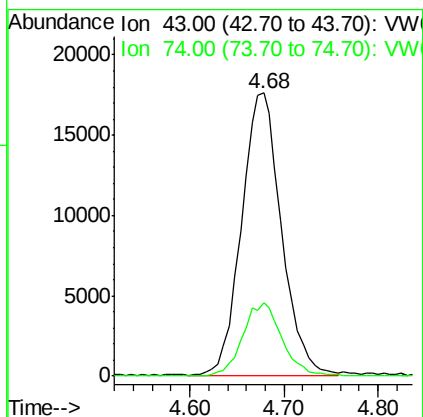
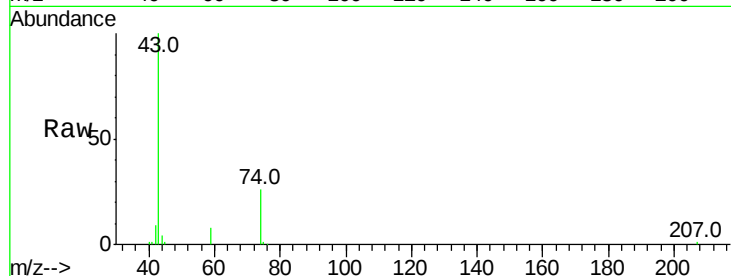
VSTD02598

Tgt Ion: 43 Resp: 51817

Ion Ratio Lower Upper

43 100

74 25.8 17.0 25.6#



#16

Methylene chloride

Concen: 22.134 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

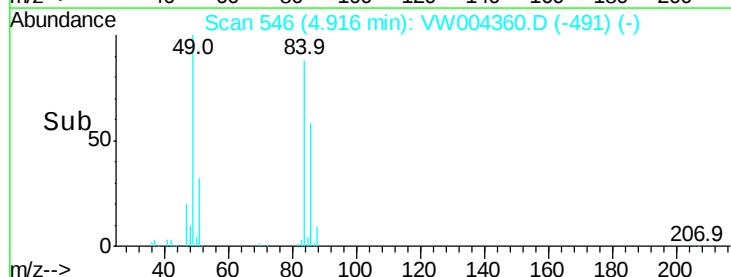
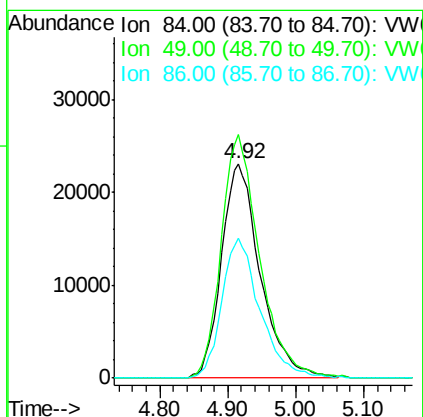
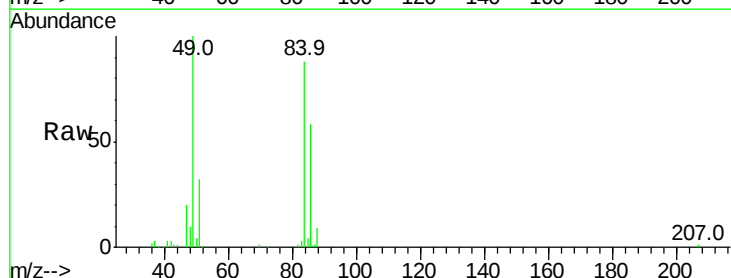
Tgt Ion: 84 Resp: 91767

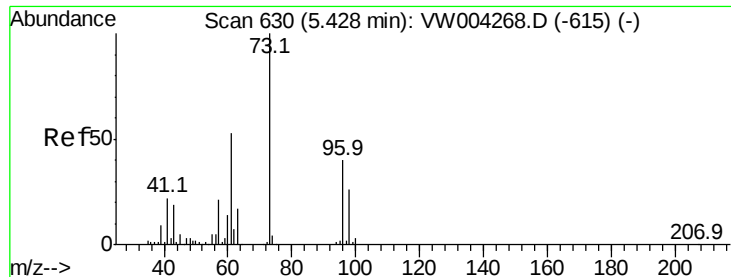
Ion Ratio Lower Upper

84 100

49 113.6 90.9 168.7

86 65.5 44.4 82.5

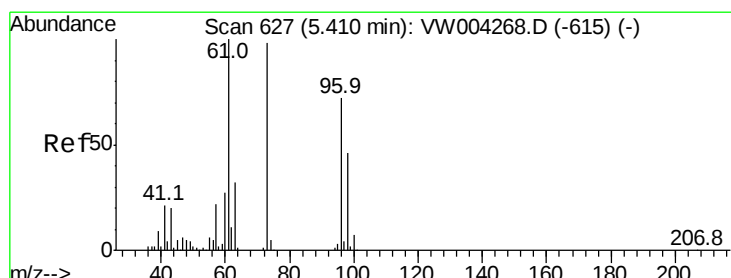
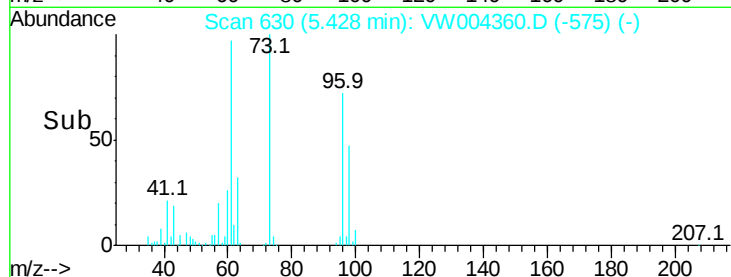
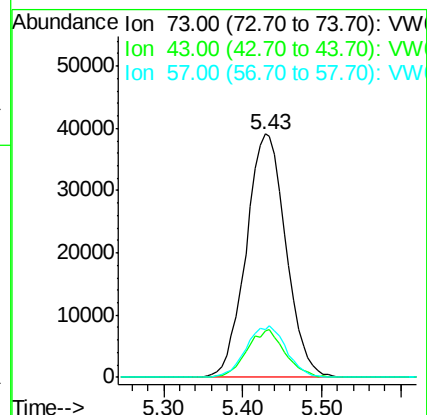
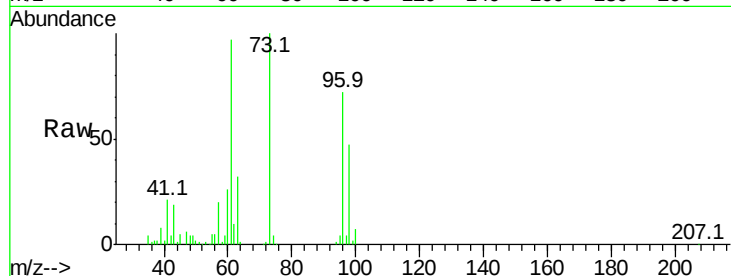




#17
Methyl tert-butyl Ether
Concen: 20.126 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

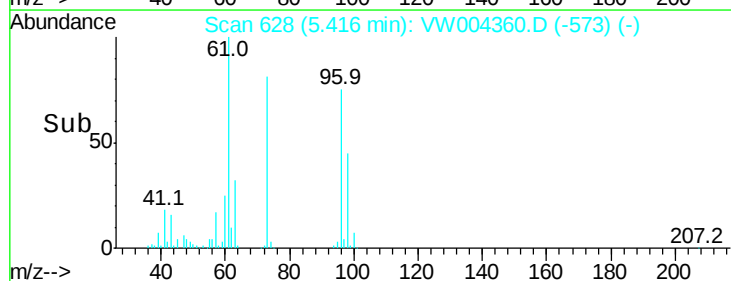
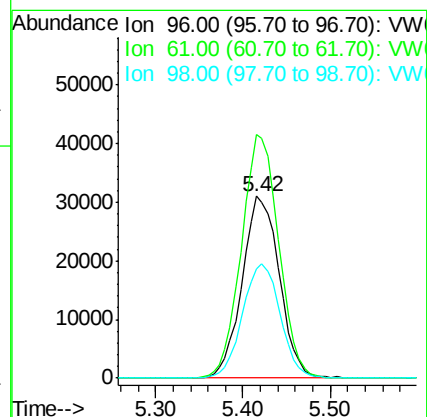
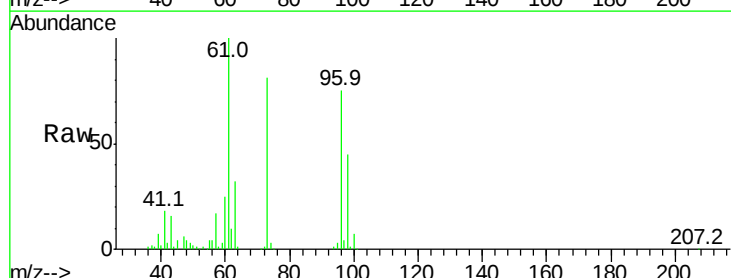
Instrument :
MSVOA_W
ClientSampled :
VSTD02598

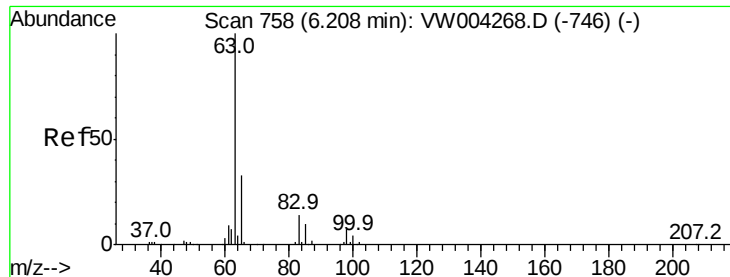
Tgt Ion: 73 Resp: 136635
Ion Ratio Lower Upper
73 100
43 18.9 17.8 26.6
57 21.4 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 25.542 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.01 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

Tgt Ion: 96 Resp: 91998
Ion Ratio Lower Upper
96 100
61 133.9 102.4 190.2
98 59.8 43.1 80.1

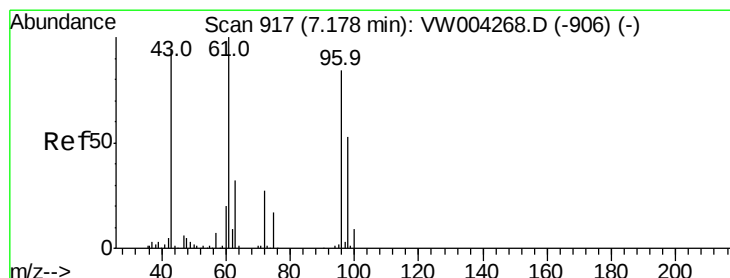
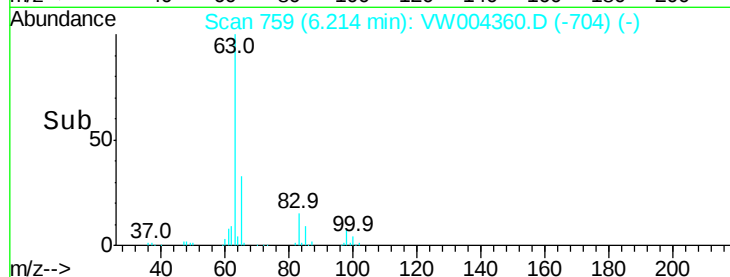
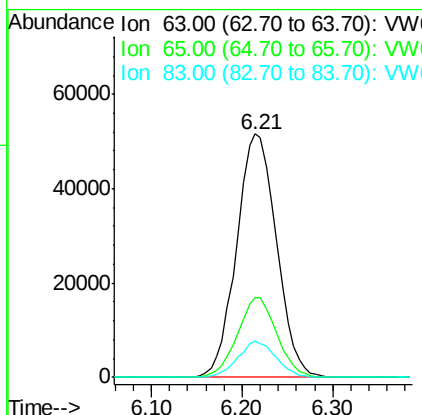
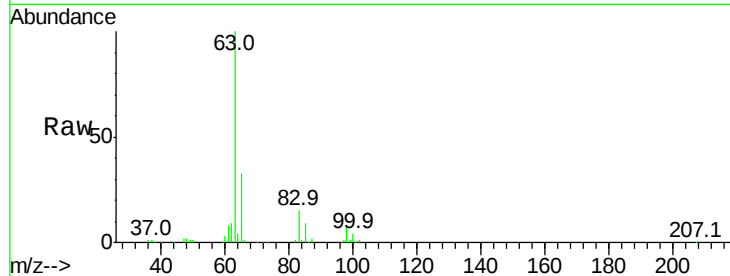




#19
 1,1-Dichloroethane
 Concen: 22.427 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: VW004360.D
 Acq: 31 Jul 2018 16:11

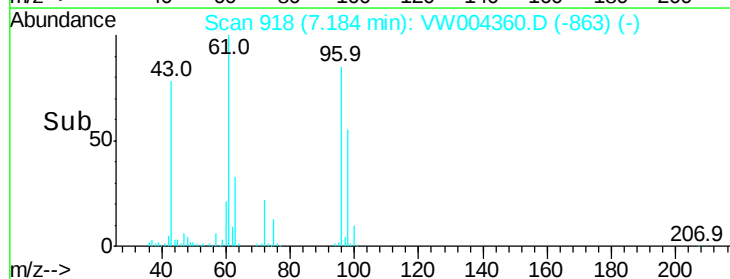
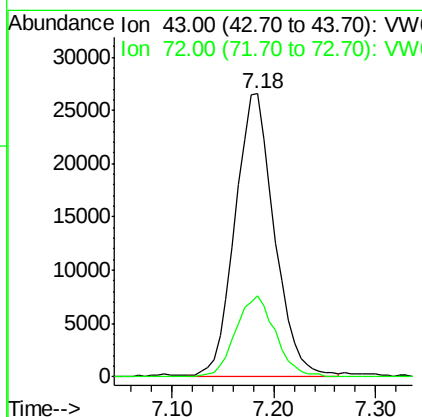
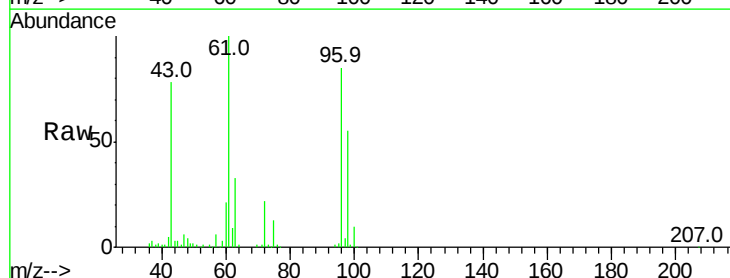
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

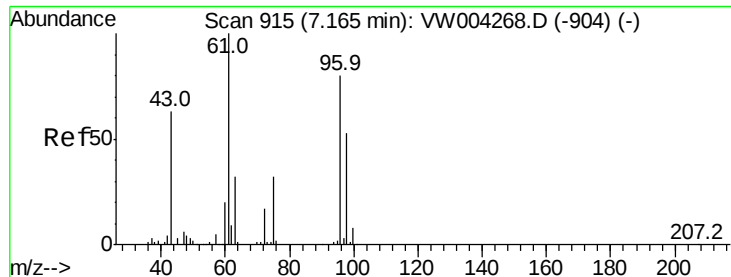
Tgt Ion: 63 Resp: 157352
 Ion Ratio Lower Upper
 63 100
 65 32.9 21.3 39.6
 83 14.7 8.6 16.0



#21
 2-Butanone
 Concen: 33.295 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: VW004360.D
 Acq: 31 Jul 2018 16:11

Tgt Ion: 43 Resp: 71418
 Ion Ratio Lower Upper
 43 100
 72 28.8 12.3 36.9



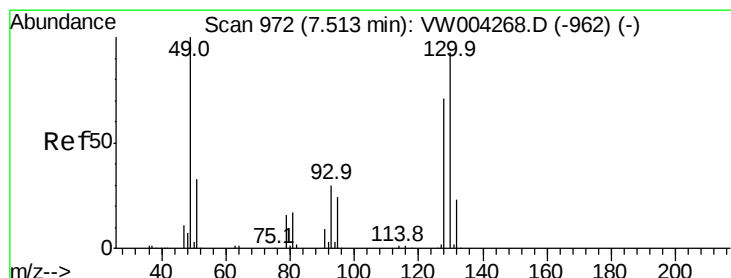
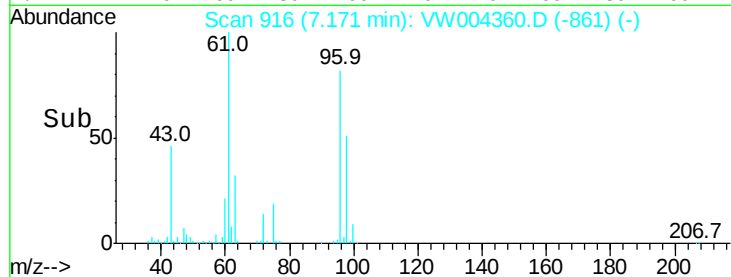
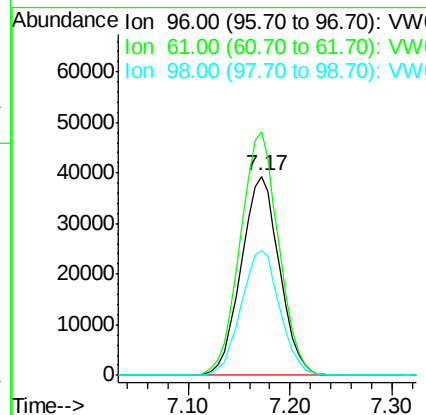
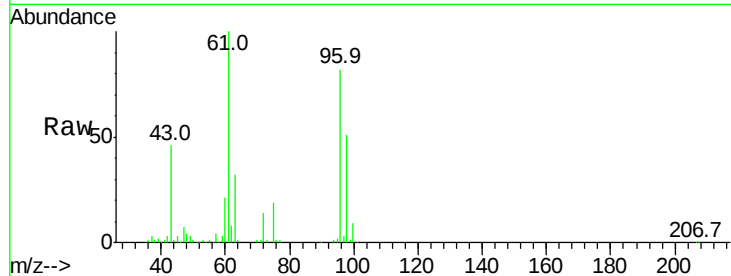


#22

cis-1,2-Dichloroethene
Concen: 25.527 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

Instrument :
MSVOA_W
ClientSampleId :
VSTD02598

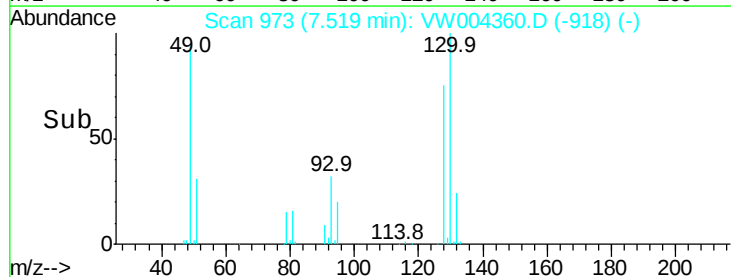
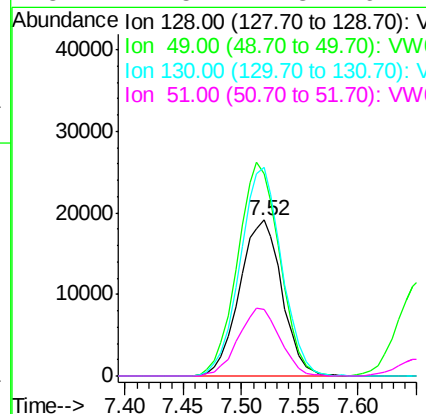
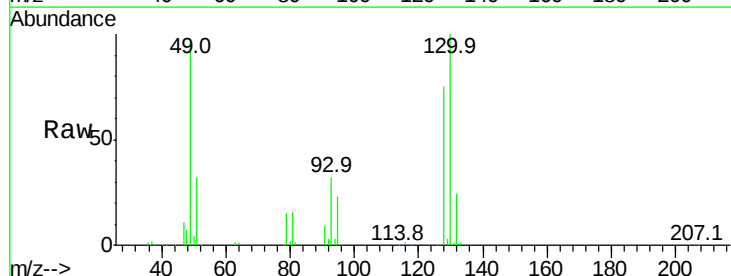
Tgt Ion: 96 Resp: 102217
Ion Ratio Lower Upper
96 100
61 122.4 95.1 176.7
98 62.5 45.2 84.0

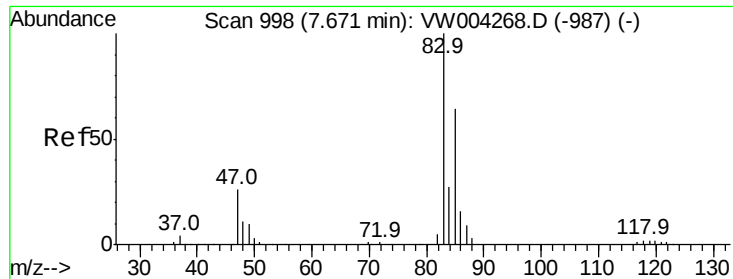


#23

Bromochloromethane
Concen: 25.579 ug/L
RT: 7.52 min Scan# 973
Delta R.T. 0.01 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

Tgt Ion: 128 Resp: 48488
Ion Ratio Lower Upper
128 100
49 129.8 120.5 223.7
130 134.0 88.5 164.4
51 42.5 42.8 64.2#

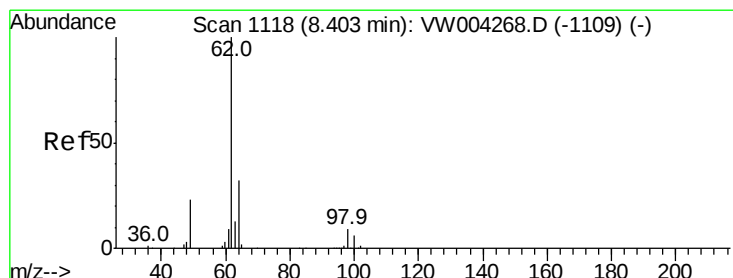
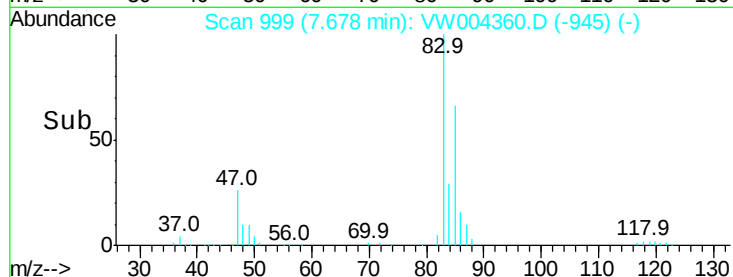
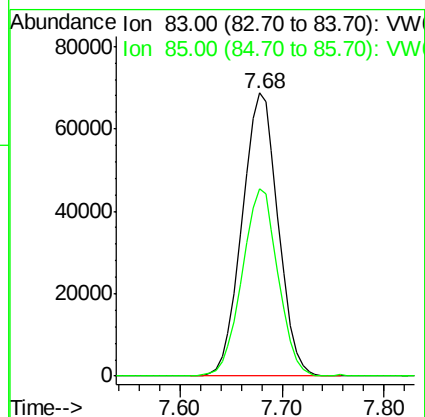
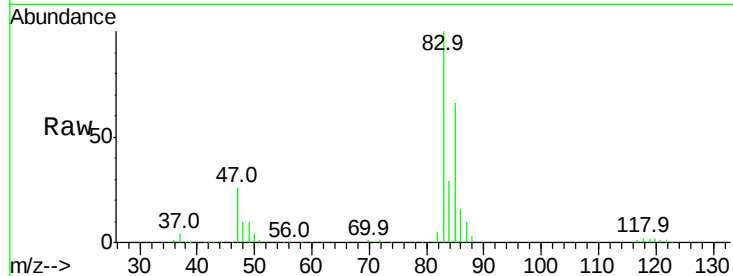




#25
Chloroform
Concen: 23.396 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

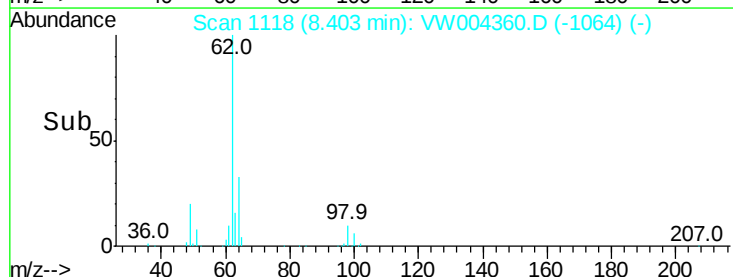
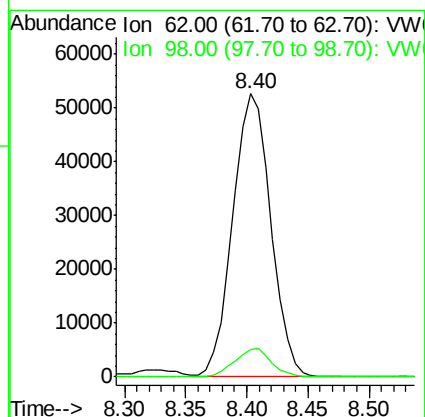
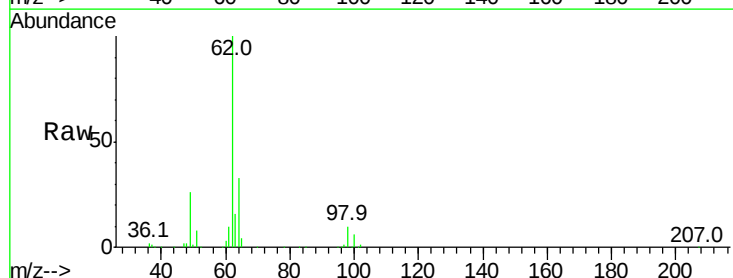
Instrument :
MSVOA_W
ClientSampleId :
VSTD02598

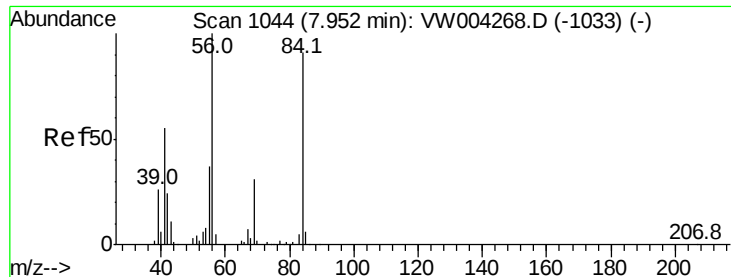
Tgt Ion: 83 Resp: 168316
Ion Ratio Lower Upper
83 100
85 66.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 21.490 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

Tgt Ion: 62 Resp: 113716
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.4

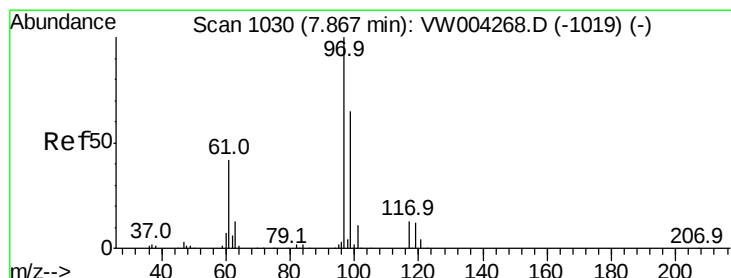
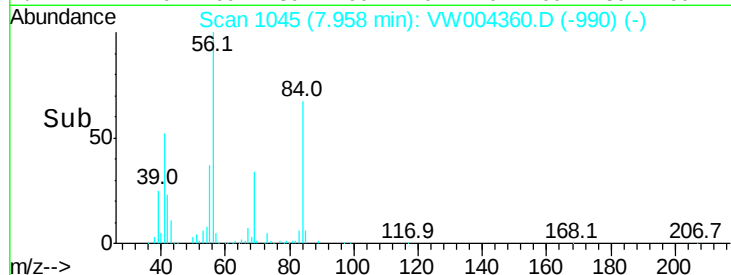
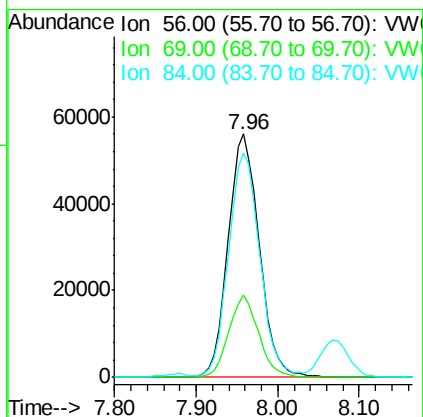
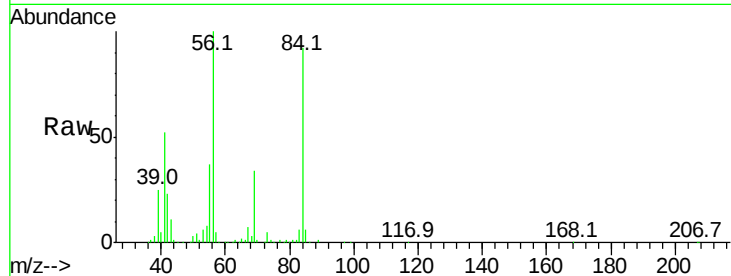




#30
Cyclohexane
Concen: 23.792 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

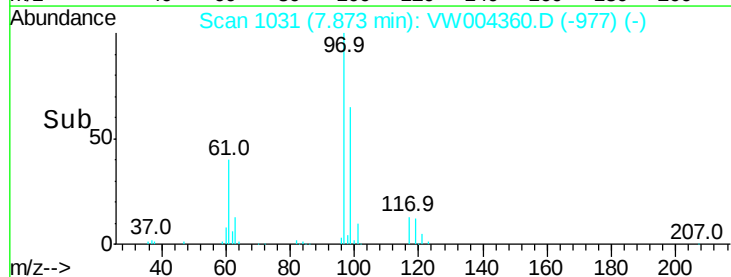
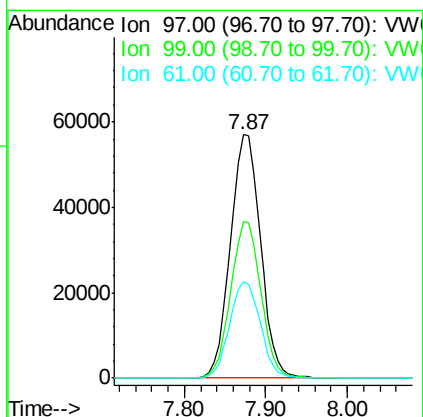
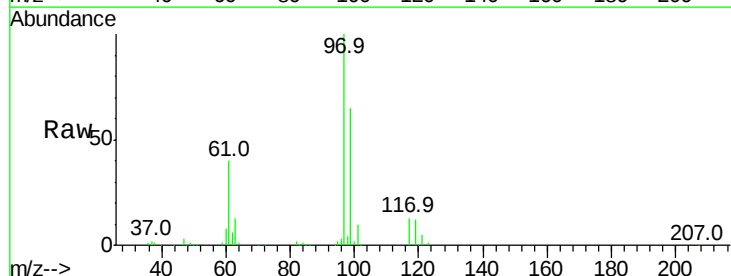
Instrument :
MSVOA_W
ClientSampleId :
VSTD02598

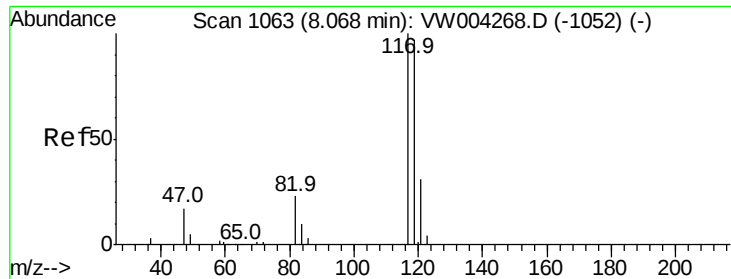
Tgt Ion: 56 Resp: 147936
Ion Ratio Lower Upper
56 100
69 32.1 23.2 34.8
84 92.2 64.0 96.0



#31
1,1,1-Trichloroethane
Concen: 25.751 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

Tgt Ion: 97 Resp: 146029
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 40.2 37.1 55.7





#32

Carbon tetrachloride

Concen: 25.607 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

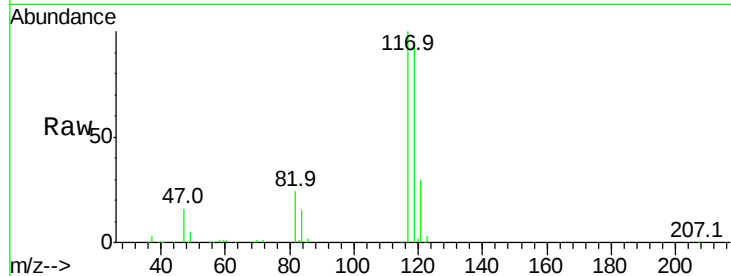
VSTD02598

Tgt Ion:117 Resp: 141236

Ion Ratio Lower Upper

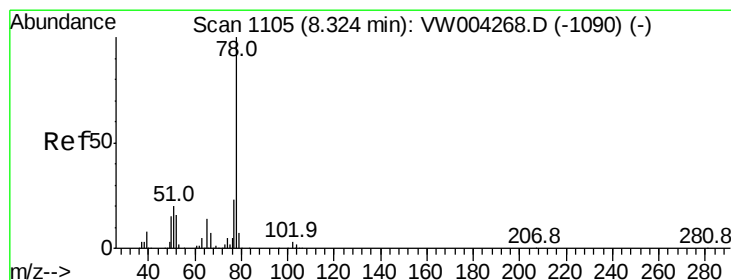
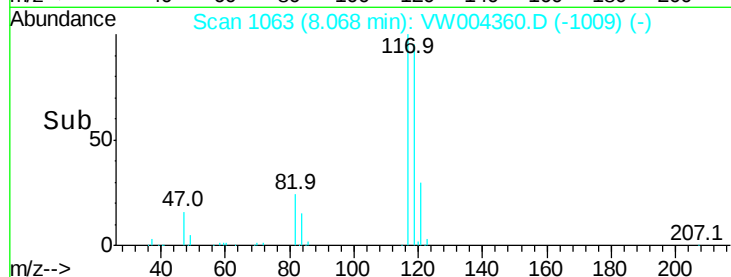
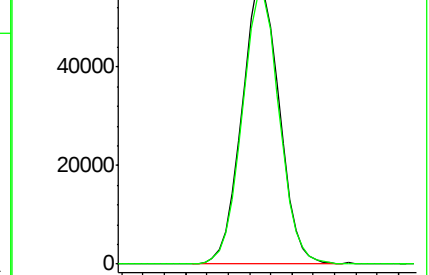
117 100

119 96.3 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: 22.757 ug/L

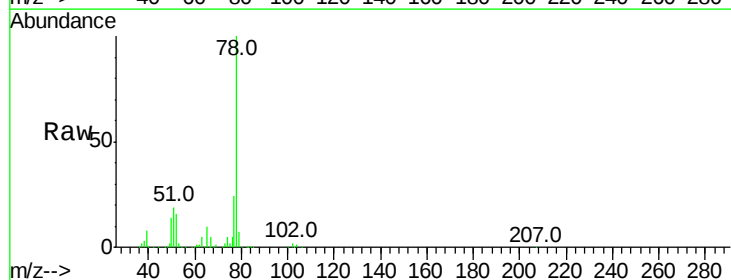
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

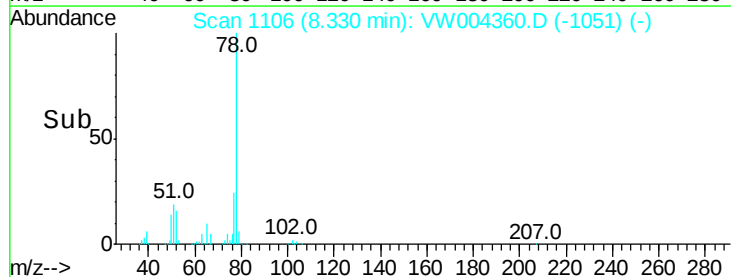
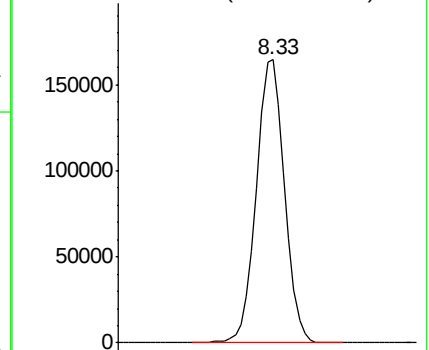
Lab File: VW004360.D

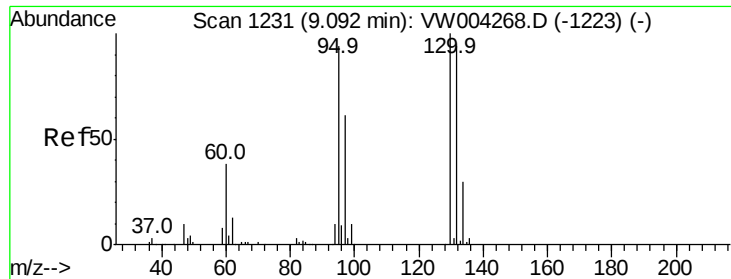
Acq: 31 Jul 2018 16:11

Tgt Ion: 78 Resp: 367628



Abundance Ion 78.00 (77.70 to 78.70): VW

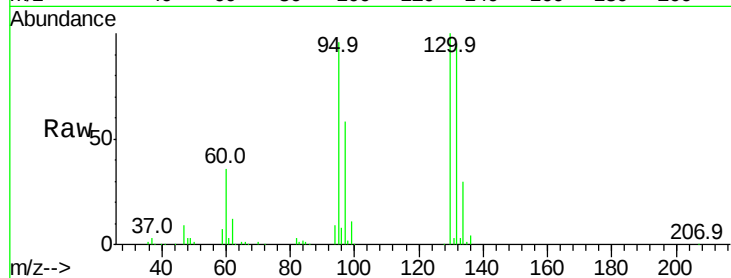




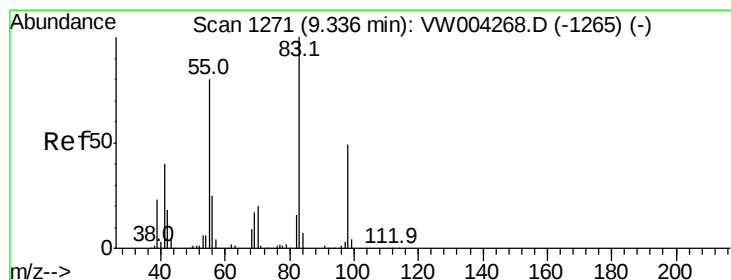
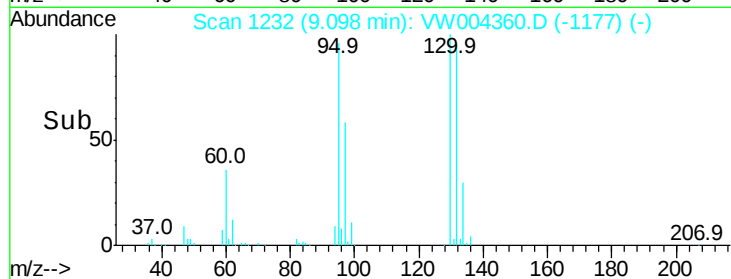
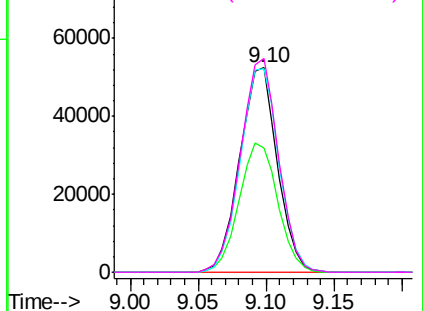
#35
 Trichloroethene
 Concen: 23.923 ug/L
 RT: 9.10 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VW004360.D
 Acq: 31 Jul 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

Tgt Ion: 95 Resp: 101667
 Ion Ratio Lower Upper
 95 100
 97 65.1 44.9 83.5
 132 101.7 67.4 125.2
 130 105.6 70.2 130.4

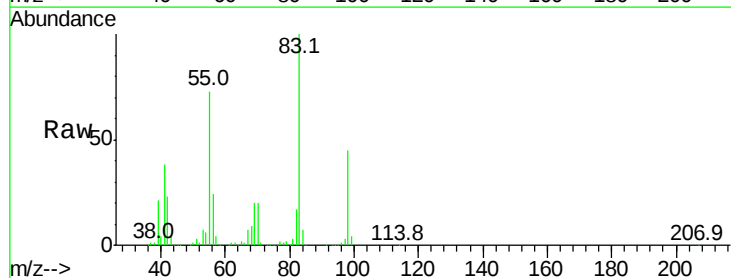


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

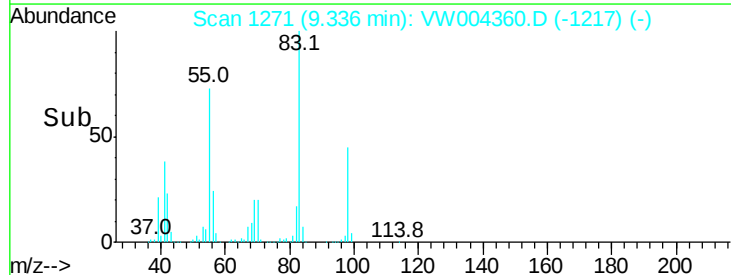
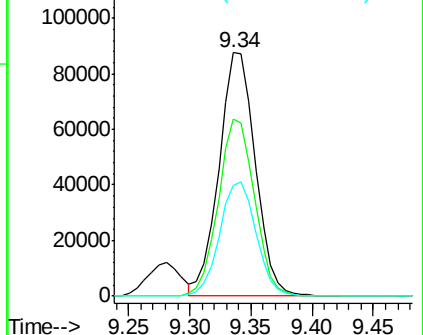


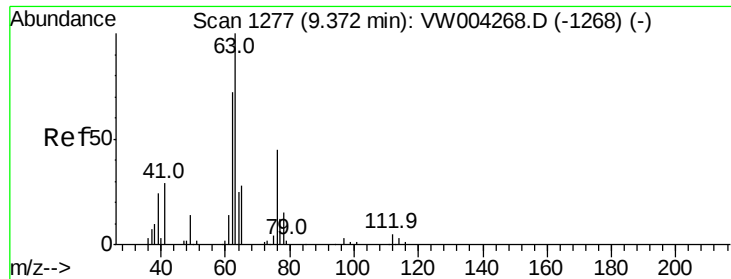
#36
 Methylcyclohexane
 Concen: 25.451 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VW004360.D
 Acq: 31 Jul 2018 16:11

Tgt Ion: 83 Resp: 180766
 Ion Ratio Lower Upper
 83 100
 55 72.7 65.5 98.3
 98 47.1 37.1 55.7



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





#40

1,2-Dichloropropane

Concen: 20.637 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

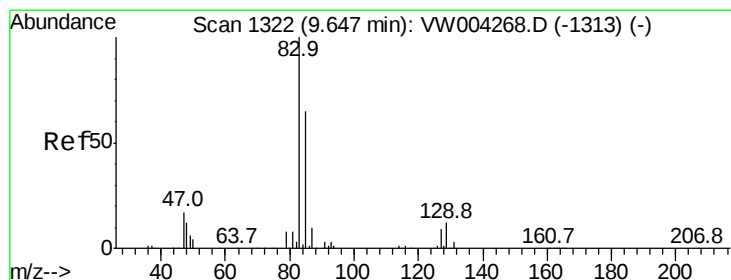
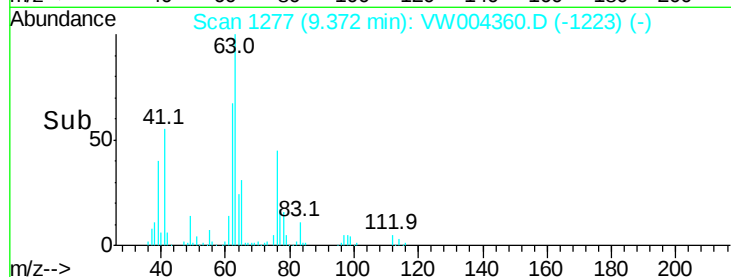
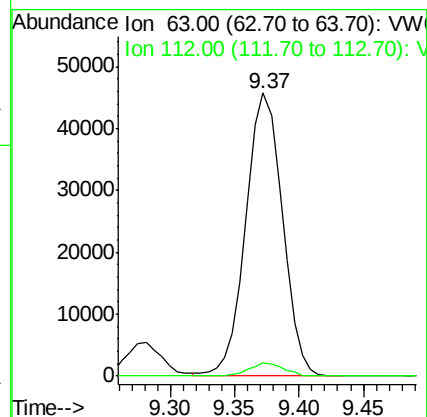
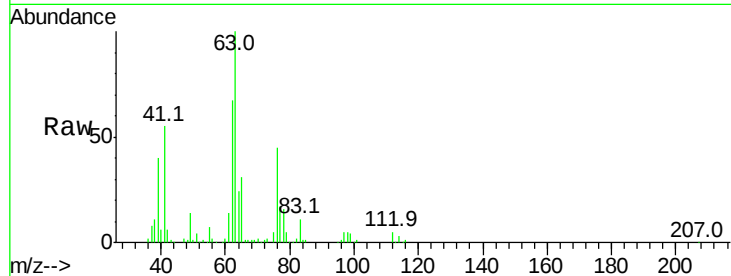
VSTD02598

Tgt Ion: 63 Resp: 90519

Ion Ratio Lower Upper

63 100

112 4.3 3.2 4.8



#41

Bromodichloromethane

Concen: 22.775 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

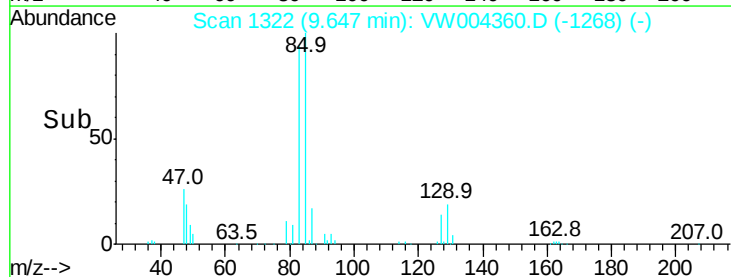
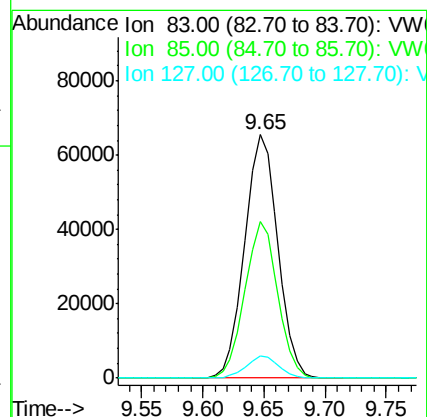
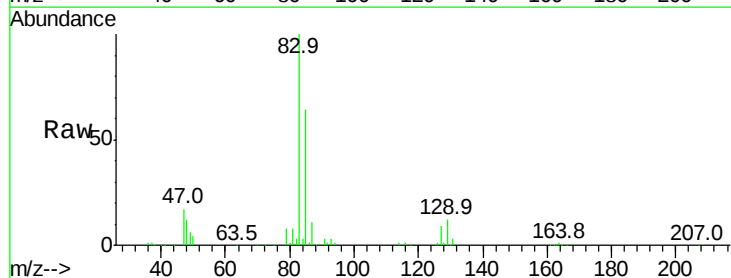
Tgt Ion: 83 Resp: 123354

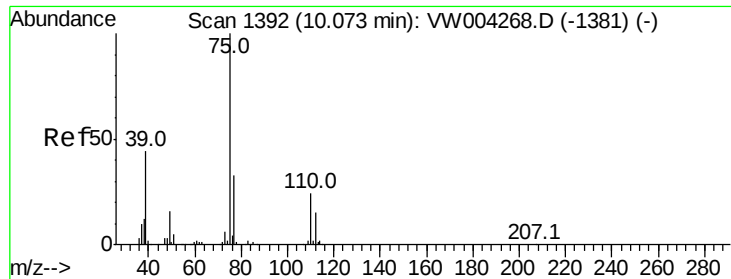
Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.8

127 9.2 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 23.690 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

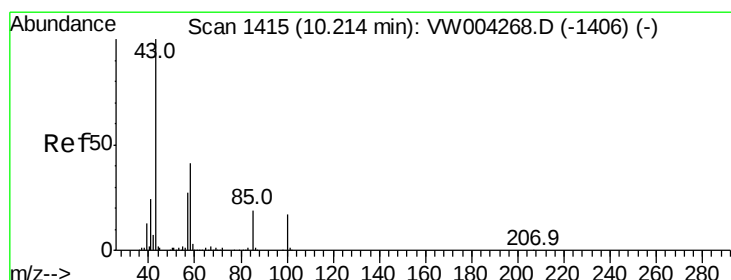
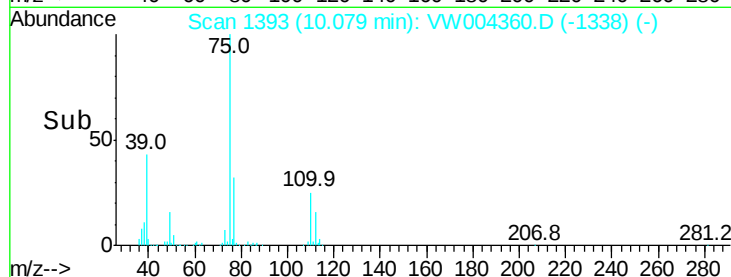
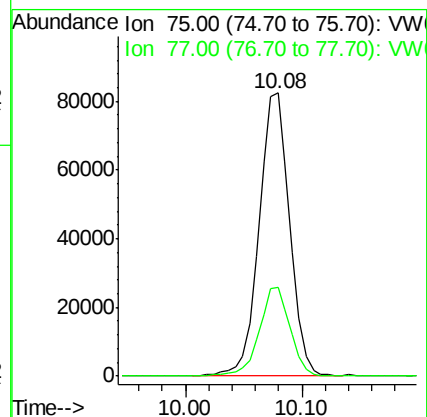
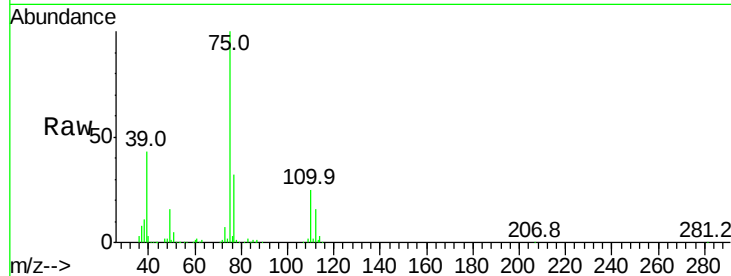
VSTD02598

Tgt Ion: 75 Resp: 151149

Ion Ratio Lower Upper

75 100

77 31.5 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 37.897 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

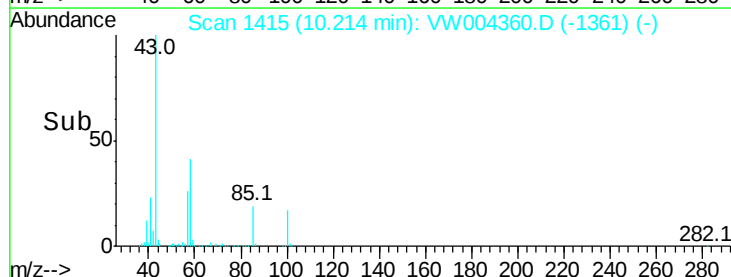
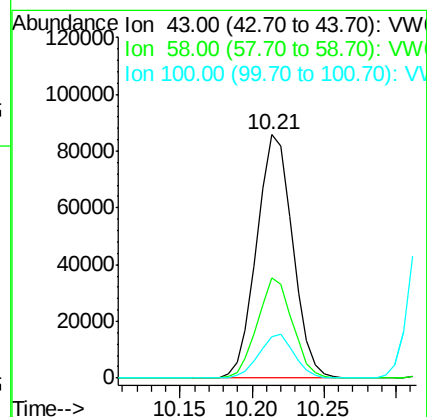
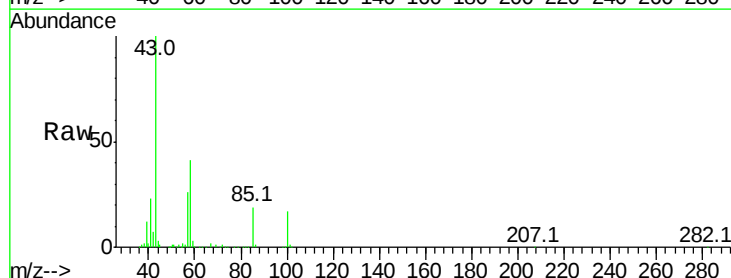
Tgt Ion: 43 Resp: 148081

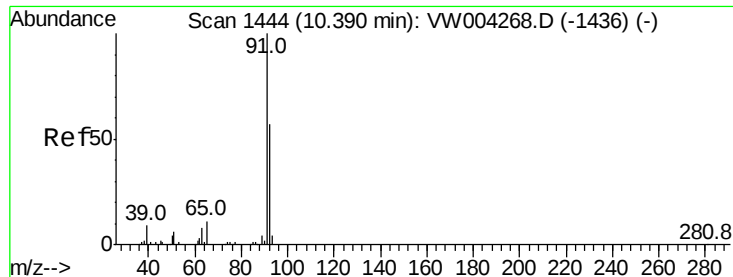
Ion Ratio Lower Upper

43 100

58 40.4 29.4 44.2

100 17.4 10.6 16.0#





#44

Toluene

Concen: 24.306 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

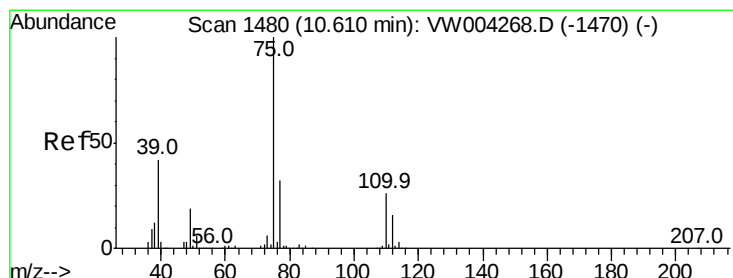
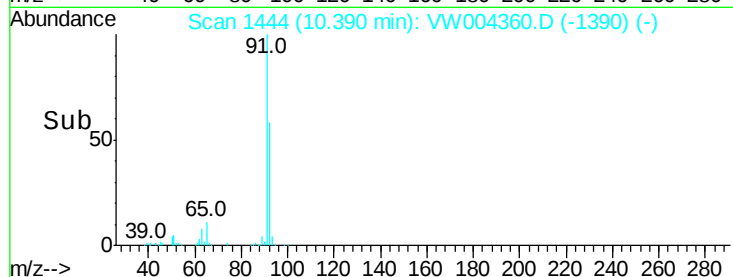
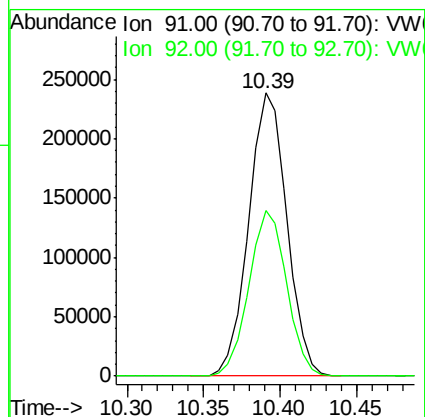
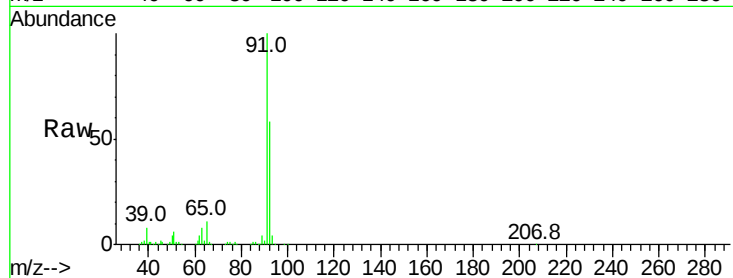
VSTD02598

Tgt Ion: 91 Resp: 414995

Ion Ratio Lower Upper

91 100

92 58.4 39.9 74.1



#45

trans-1,3-Dichloropropene

Concen: 23.295 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004360.D

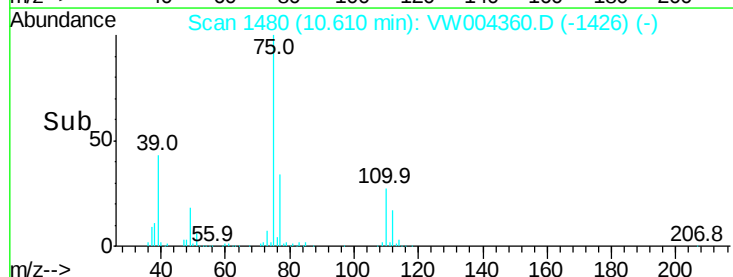
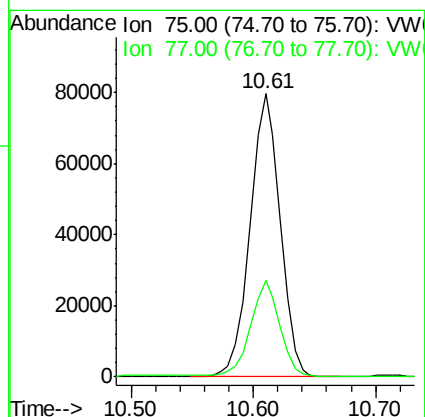
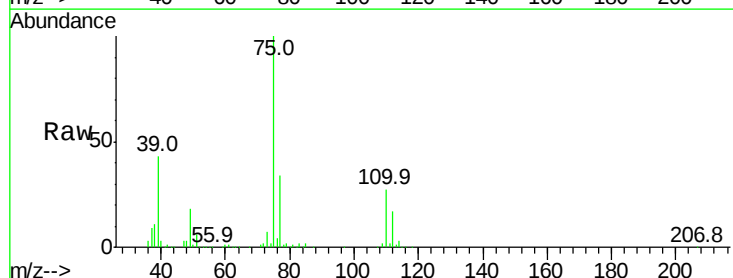
Acq: 31 Jul 2018 16:11

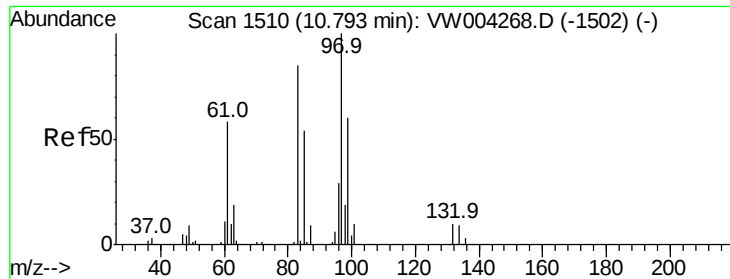
Tgt Ion: 75 Resp: 136303

Ion Ratio Lower Upper

75 100

77 34.2 21.6 40.2

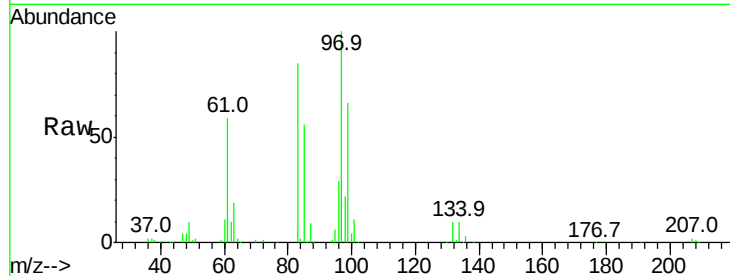




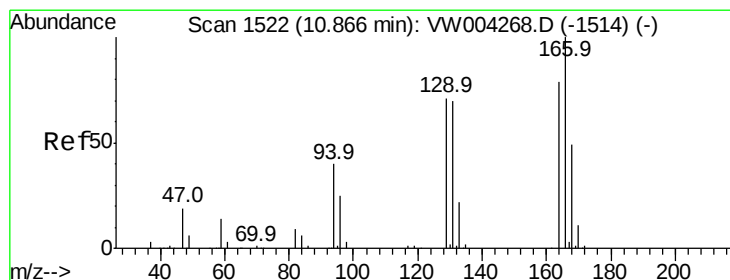
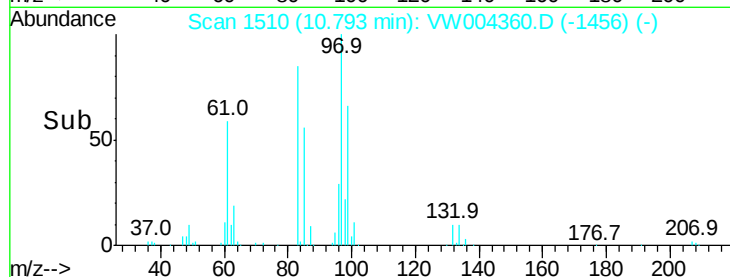
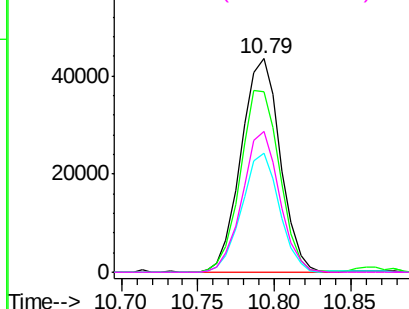
#46
 1,1,2-Trichloroethane
 Concen: 22.756 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004360.D
 Acq: 31 Jul 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

Tgt Ion: 97 Resp: 77493
 Ion Ratio Lower Upper
 97 100
 83 84.8 59.8 111.0
 85 55.7 39.3 73.1
 99 65.7 43.3 80.5



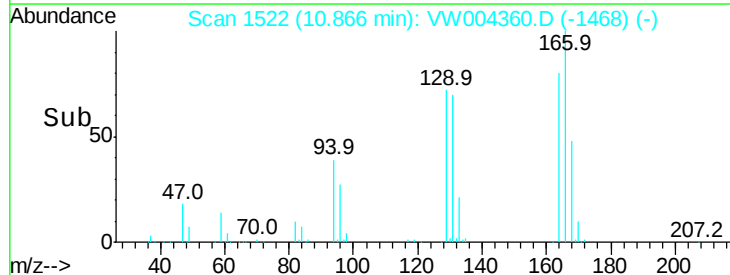
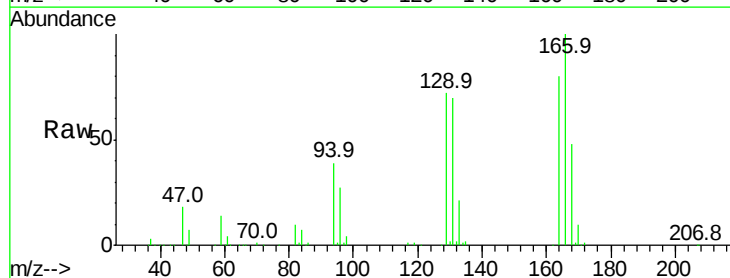
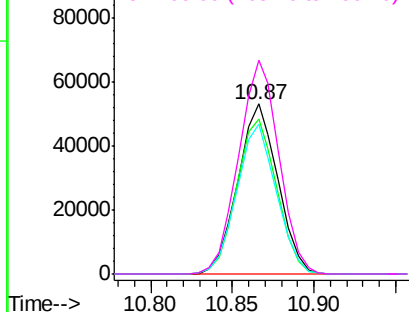
Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

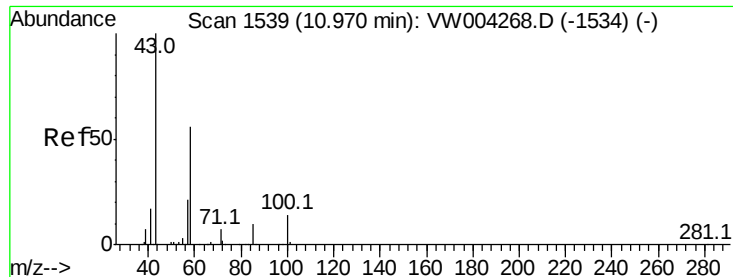


#47
 Tetrachloroethene
 Concen: 26.608 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004360.D
 Acq: 31 Jul 2018 16:11

Tgt Ion: 164 Resp: 90457
 Ion Ratio Lower Upper
 164 100
 129 91.0 63.4 117.8
 131 88.0 63.1 117.1
 166 125.6 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

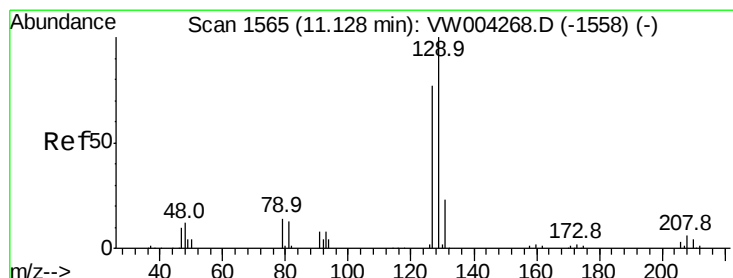
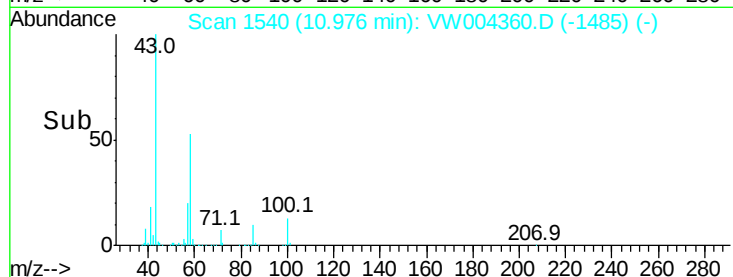
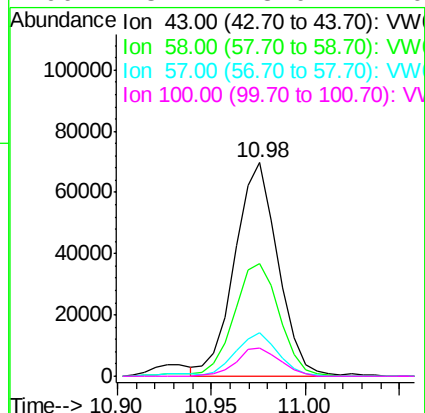
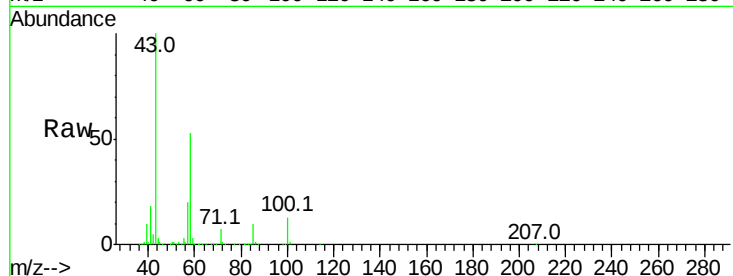




#49
2-Hexanone
Concen: 36.285 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.01 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

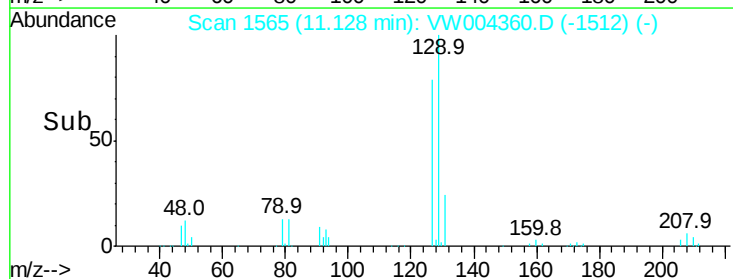
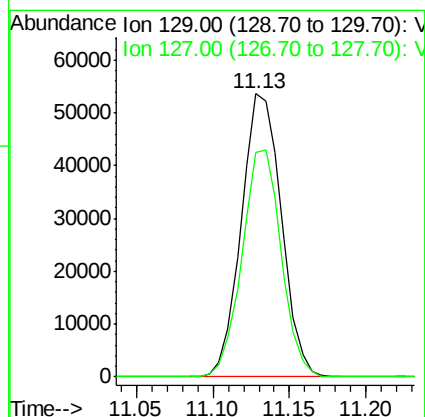
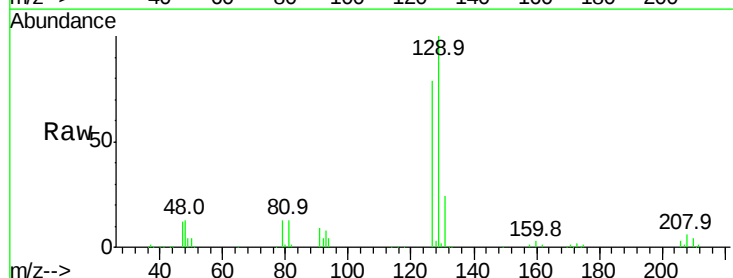
Instrument :
MSVOA_W
ClientSampleId :
VSTD02598

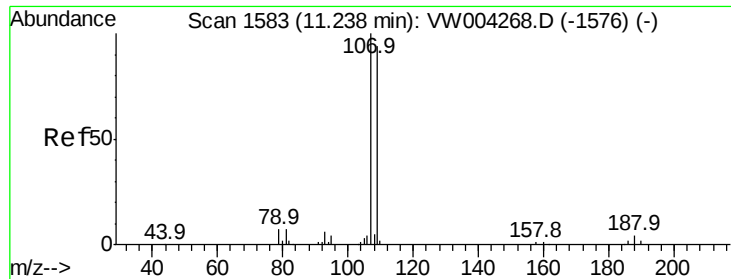
Tgt Ion: 43 Resp: 111089
Ion Ratio Lower Upper
43 100
58 55.0 39.8 59.8
57 20.0 13.9 20.9
100 13.4 8.0 12.0#



#50
Dibromochloromethane
Concen: 25.124 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

Tgt Ion: 129 Resp: 97583
Ion Ratio Lower Upper
129 100
127 79.4 52.7 97.9

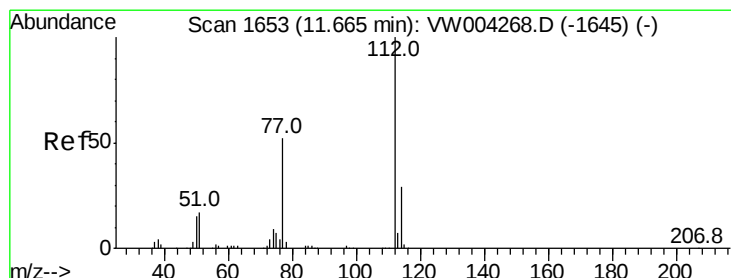
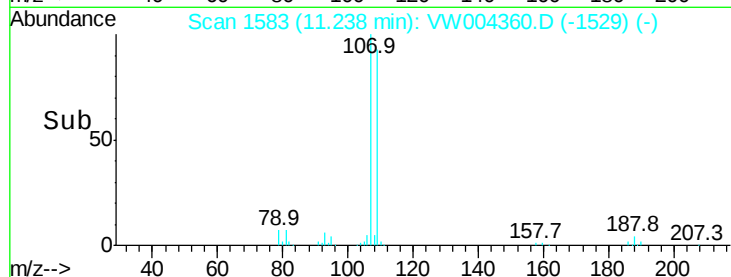
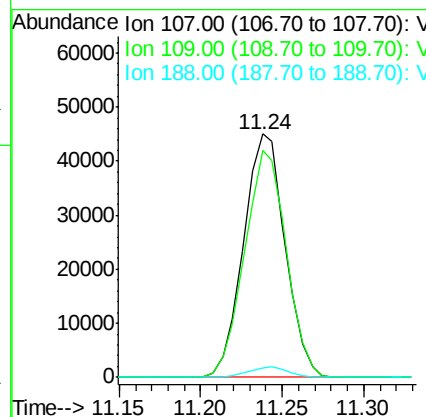
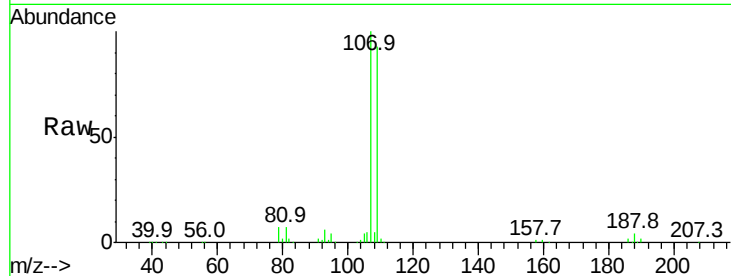




#51
1,2-Dibromoethane
Concen: 24.034 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

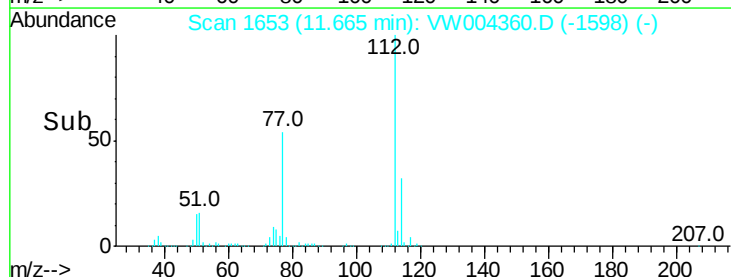
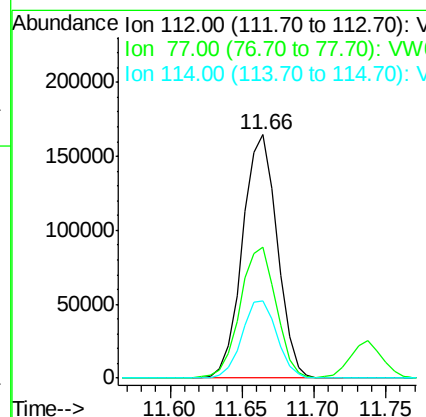
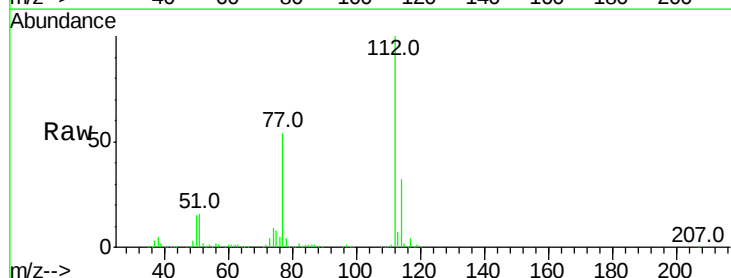
Instrument :
MSVOA_W
ClientSampleId :
VSTD02598

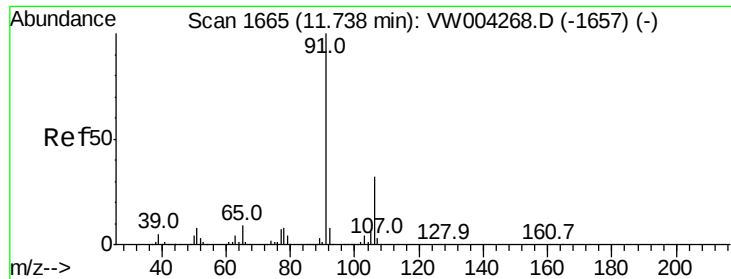
Tgt Ion:107 Resp: 79801
Ion Ratio Lower Upper
107 100
109 93.0 61.3 113.9
188 4.0 3.0 4.4



#52
Chlorobenzene
Concen: 25.256 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

Tgt Ion:112 Resp: 274832
Ion Ratio Lower Upper
112 100
77 53.6 45.2 67.8
114 31.5 22.9 42.5





#53

Ethylbenzene

Concen: 25.694 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

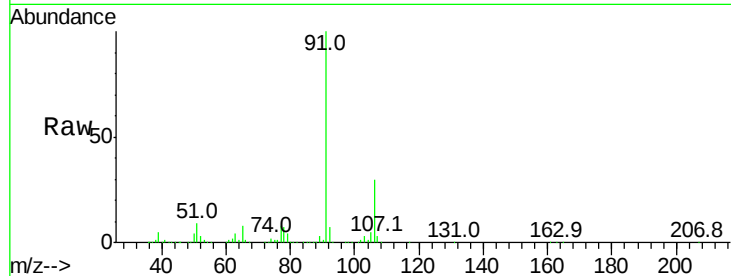
VSTD02598

Tgt Ion: 91 Resp: 473380

Ion Ratio Lower Upper

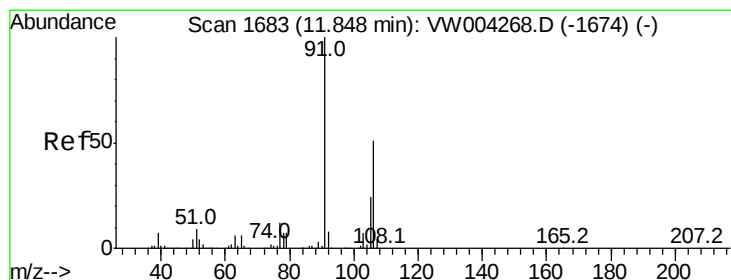
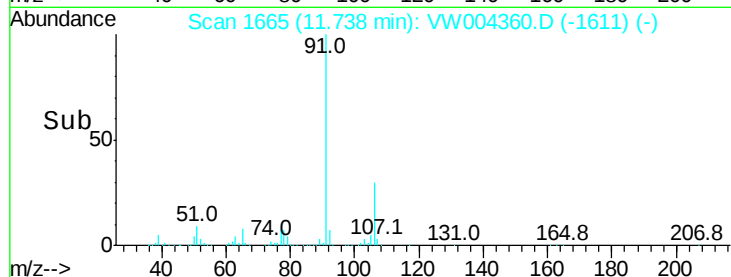
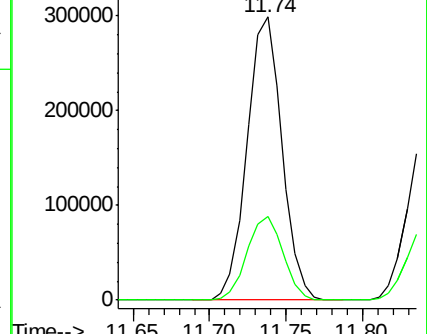
91 100

106 29.6 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.967 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VW004360.D

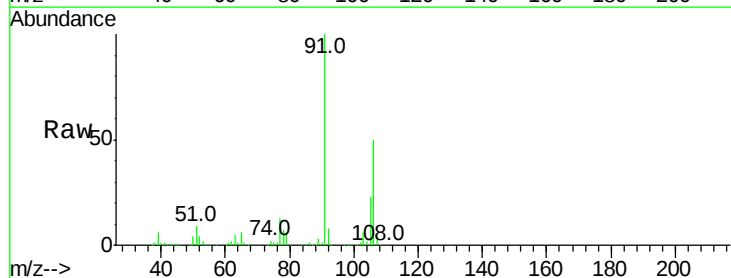
Acq: 31 Jul 2018 16:11

Tgt Ion:106 Resp: 179938

Ion Ratio Lower Upper

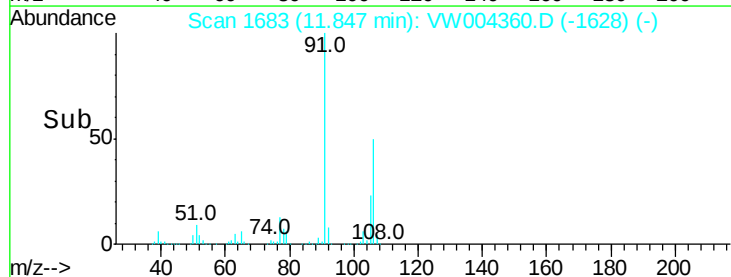
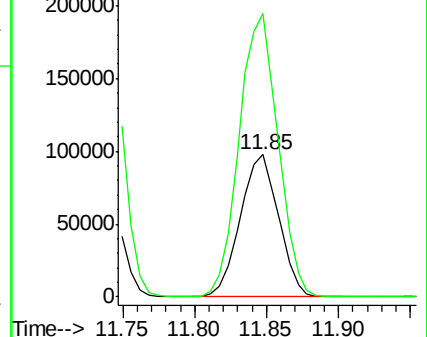
106 100

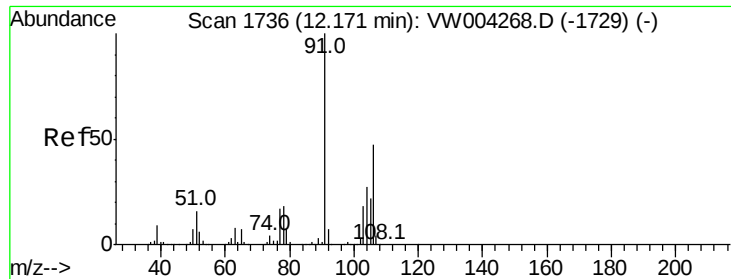
91 198.9 138.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

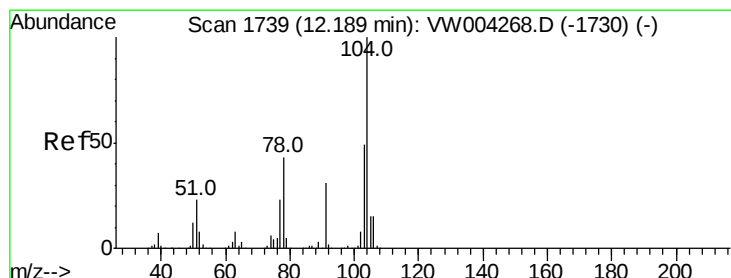
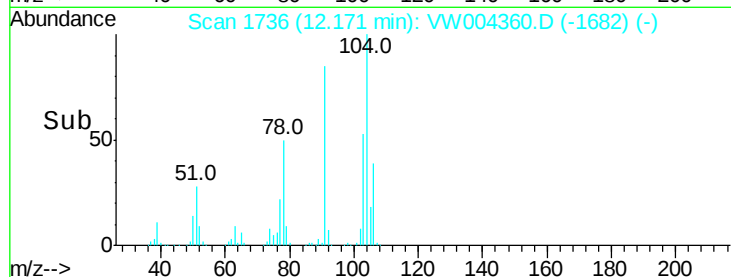
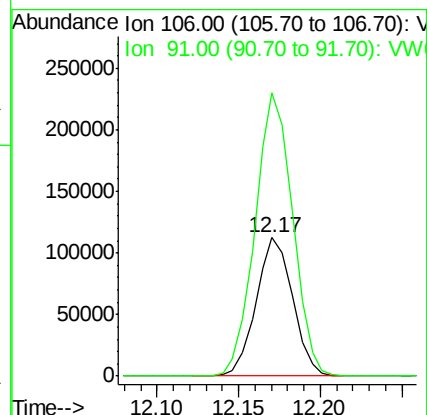
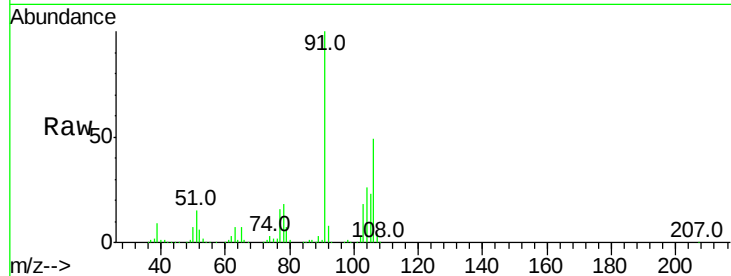




#55
o-xylene
Concen: 27.001 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

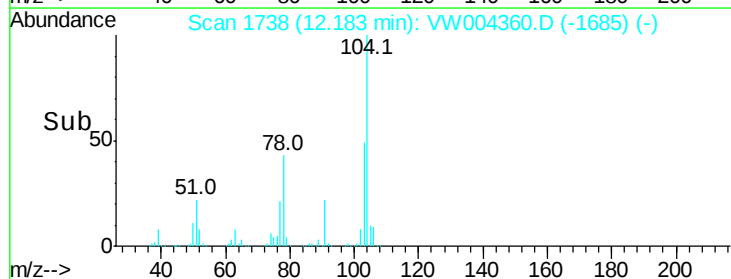
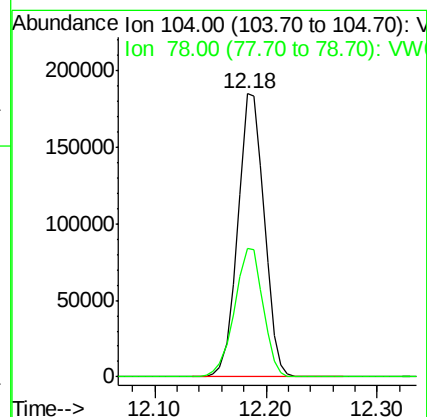
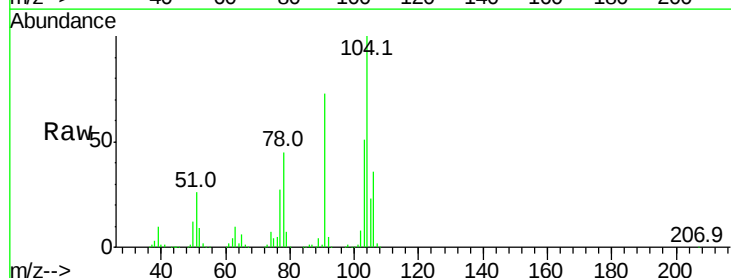
Instrument :
MSVOA_W
ClientSampled :
VSTD02598

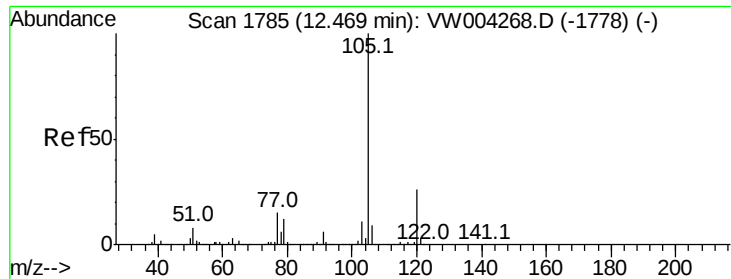
Tgt Ion:106 Resp: 175125
Ion Ratio Lower Upper
106 100
91 204.9 153.5 285.1



#56
Styrene
Concen: 26.997 ug/L
RT: 12.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VW004360.D
Acq: 31 Jul 2018 16:11

Tgt Ion:104 Resp: 303483
Ion Ratio Lower Upper
104 100
78 45.3 31.7 58.9





#57

Isopropylbenzene

Concen: 27.259 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

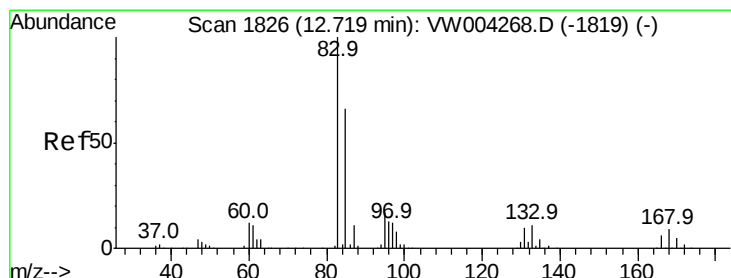
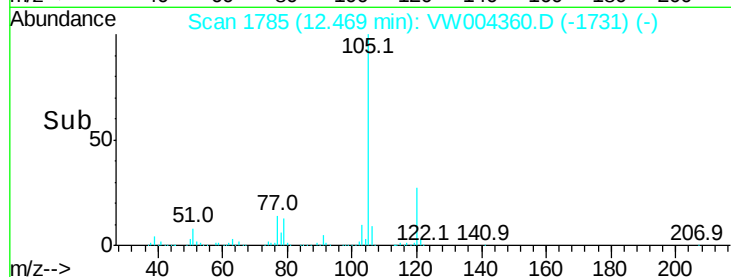
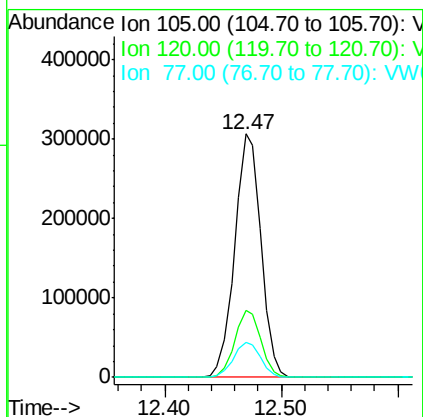
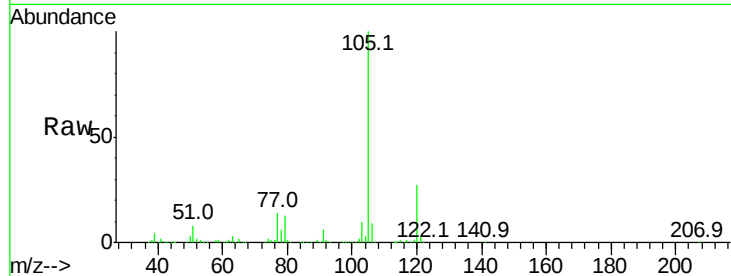
Instrument :

MSVOA_W

ClientSampleId :

VSTD02598

Tgt Ion:	105	Resp:	480306
Ion Ratio	Lower	Upper	
105	100		
120	27.3	21.4	32.0
77	14.8	13.1	19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 21.539 ug/L

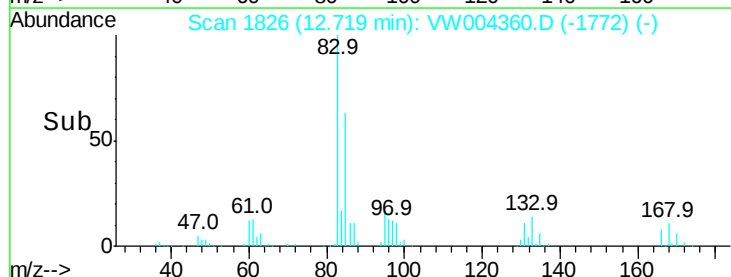
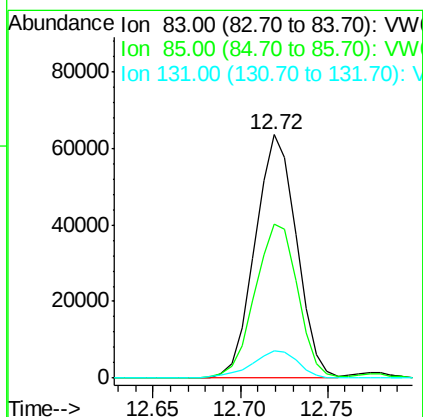
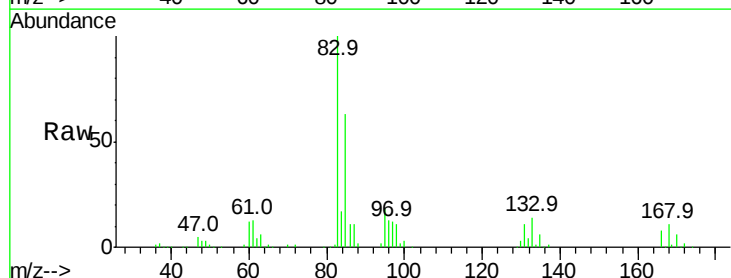
RT: 12.72 min Scan# 1826

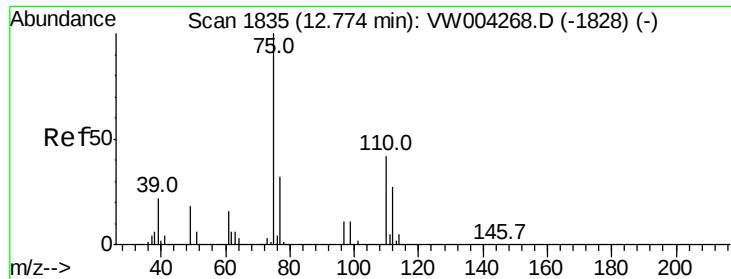
Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Tgt Ion:	83	Resp:	104566
Ion Ratio	Lower	Upper	
83	100		
85	63.3	47.7	88.7
131	11.4	8.8	13.2





#59

1,2,3-Trichloropropane

Concen: 21.137 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

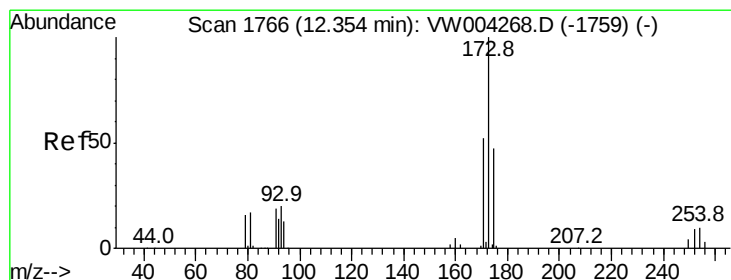
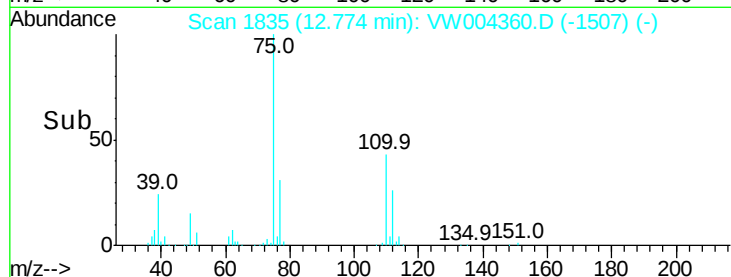
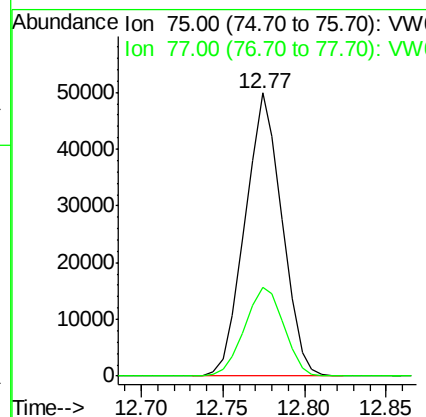
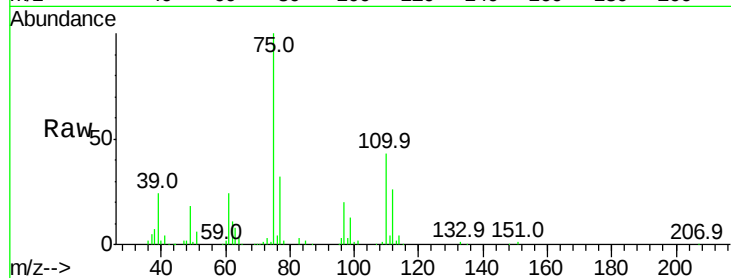
VSTD02598

Tgt Ion: 75 Resp: 78892

Ion Ratio Lower Upper

75 100

77 33.3 25.2 37.8



#62

Bromoform

Concen: 25.372 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

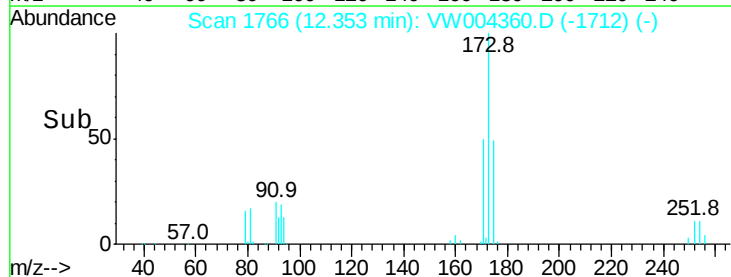
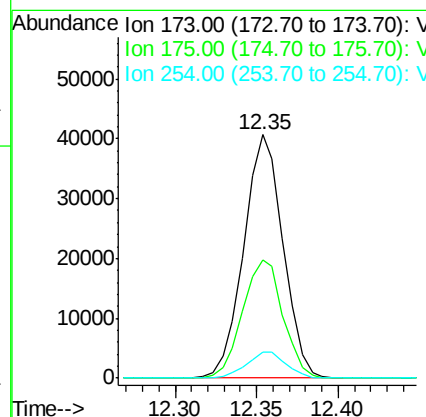
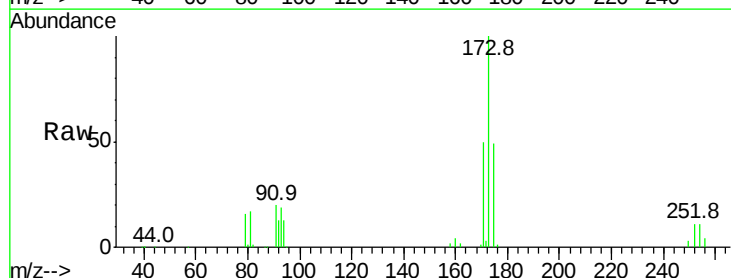
Tgt Ion: 173 Resp: 68200

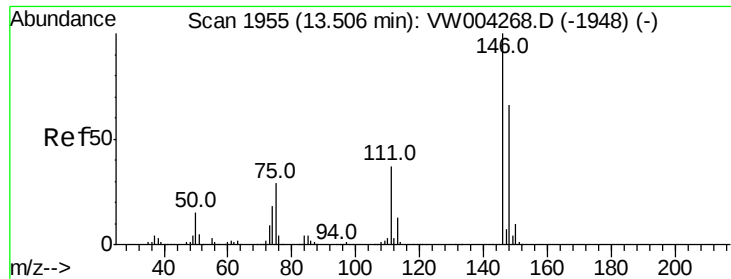
Ion Ratio Lower Upper

173 100

175 49.8 39.1 58.7

254 10.7 7.8 11.6

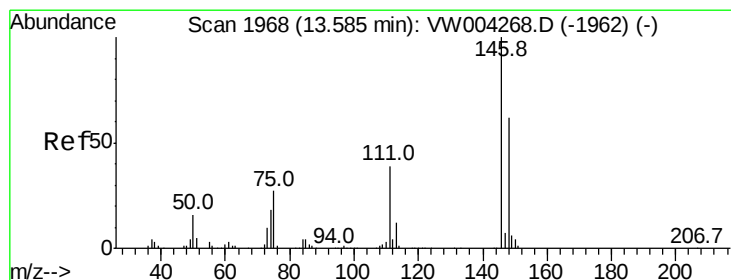
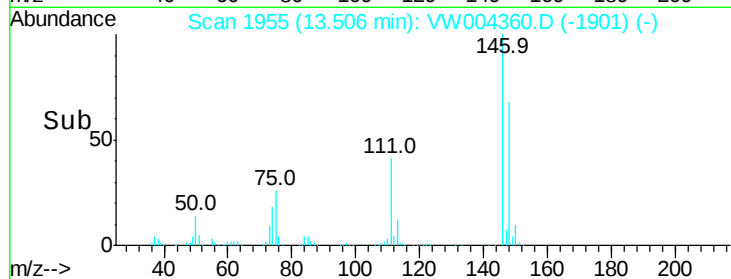
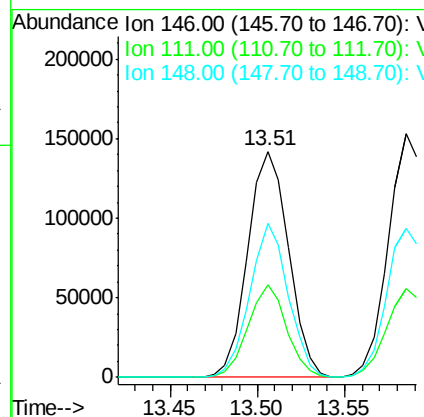
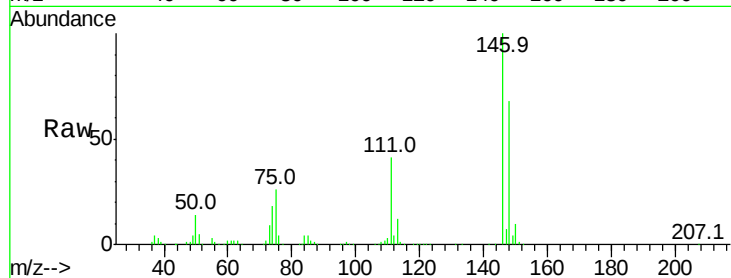




#63
 1,3-Dichlorobenzene
 Concen: 26.151 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004360.D
 Acq: 31 Jul 2018 16:11

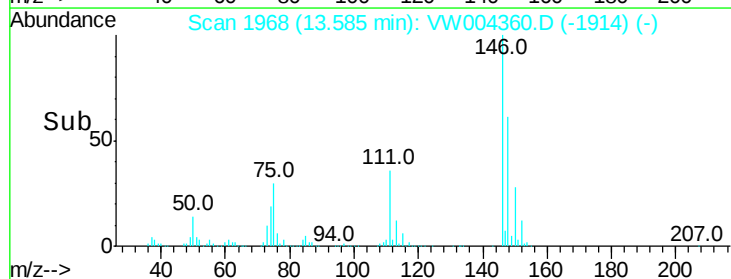
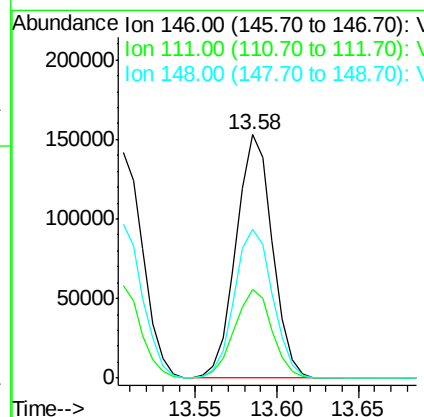
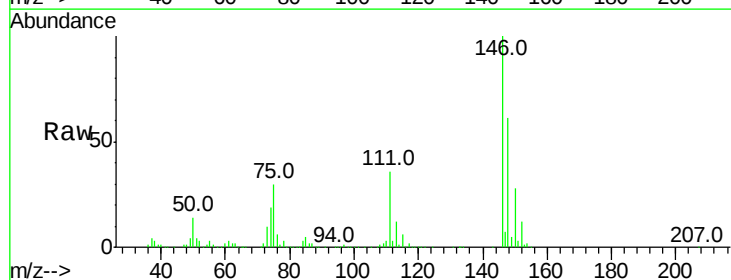
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

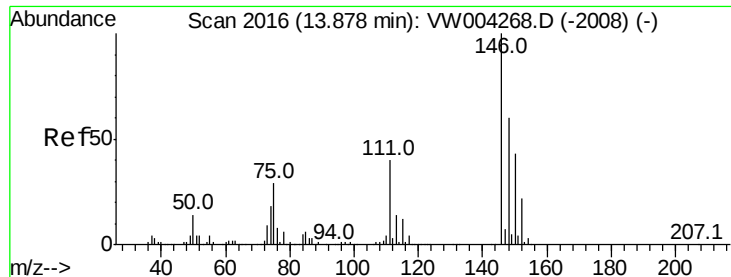
Tgt Ion:146 Resp: 230380
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.0 53.8
 148 68.1 45.1 83.9



#64
 1,4-Dichlorobenzene
 Concen: 25.536 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004360.D
 Acq: 31 Jul 2018 16:11

Tgt Ion:146 Resp: 237537
 Ion Ratio Lower Upper
 146 100
 111 36.3 26.9 50.1
 148 61.2 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 25.923 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02598

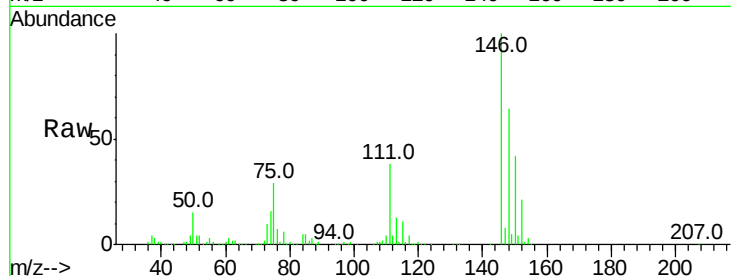
Tgt Ion:146 Resp: 222484

Ion Ratio Lower Upper

146 100

111 37.8 31.9 47.9

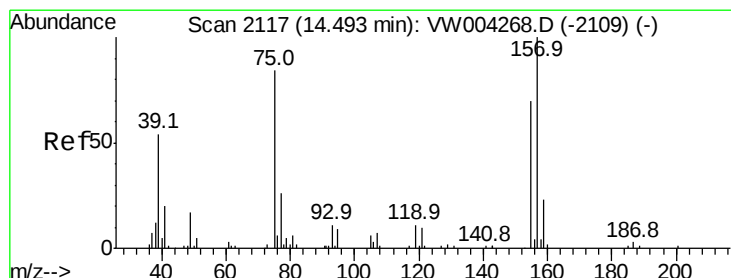
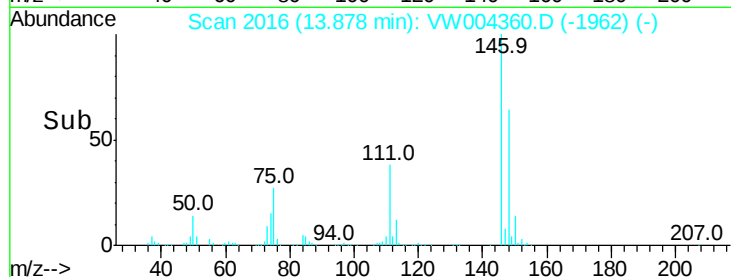
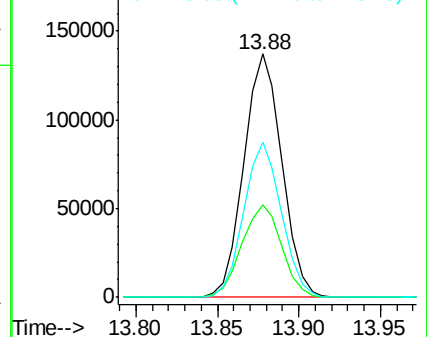
148 63.7 49.8 74.8



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: 22.258 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

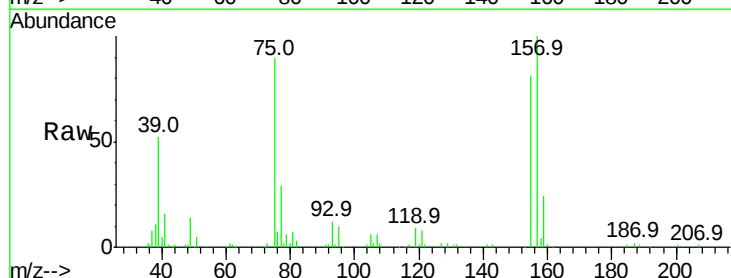
Tgt Ion: 75 Resp: 21454

Ion Ratio Lower Upper

75 100

157 110.7 78.8 118.2

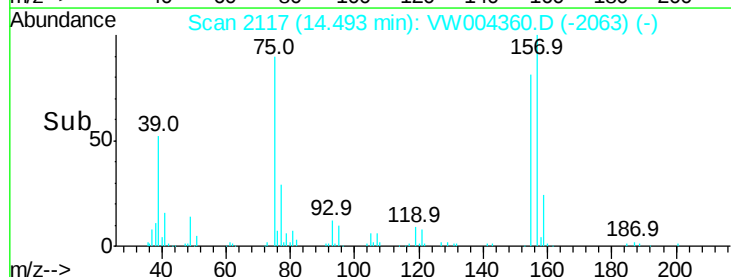
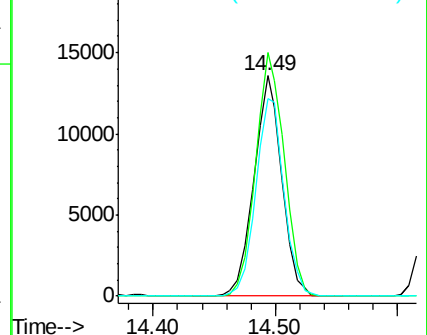
155 89.7 60.2 90.4

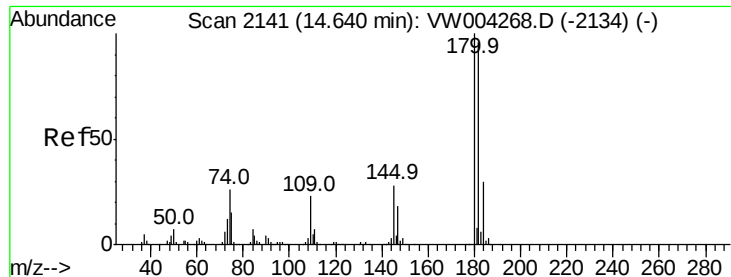


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

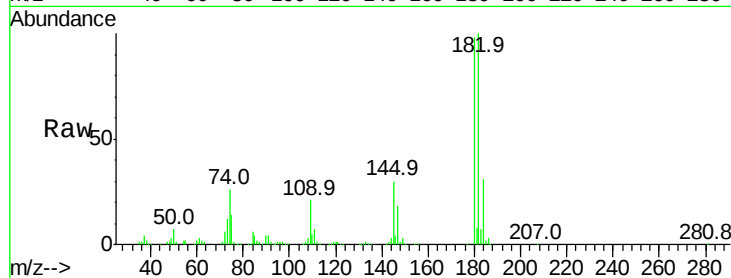




#67
 1,3,5-Trichlorobenzene
 Concen: 26.700 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004360.D
 Acq: 31 Jul 2018 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	181946		
182	97.1	77.4	116.2	
184	30.8	23.8	35.8	
145	29.5	23.8	35.6	

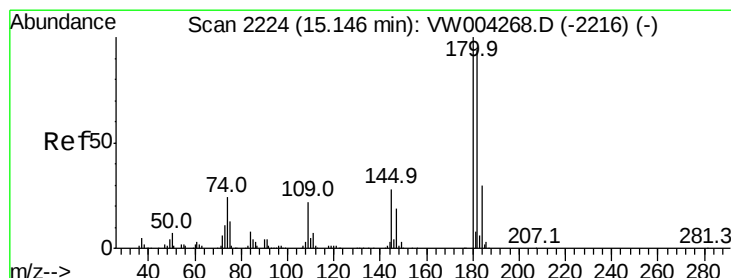
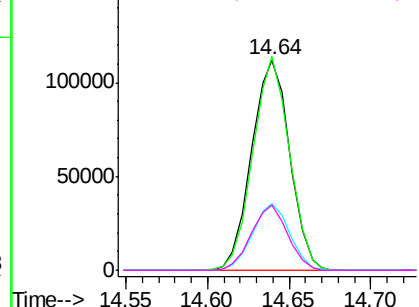
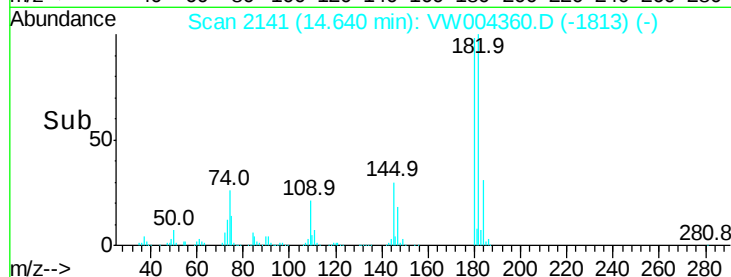


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

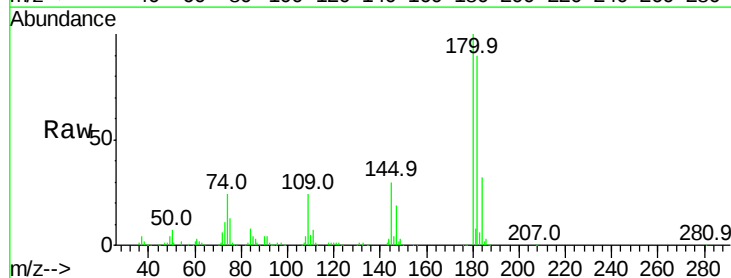
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 28.587 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004360.D
 Acq: 31 Jul 2018 16:11

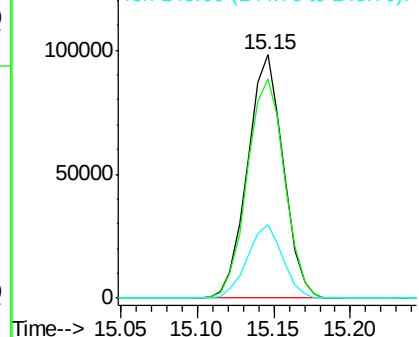
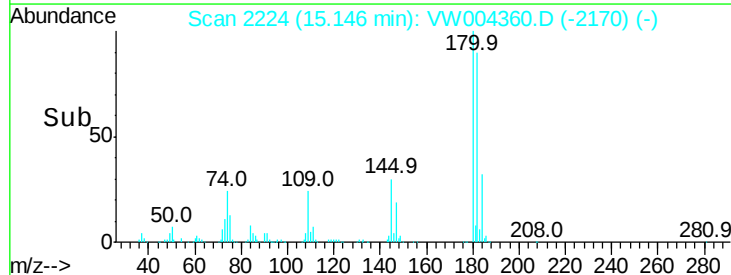
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	158874		
182	94.4	76.2	114.2	
145	30.2	24.1	36.1	

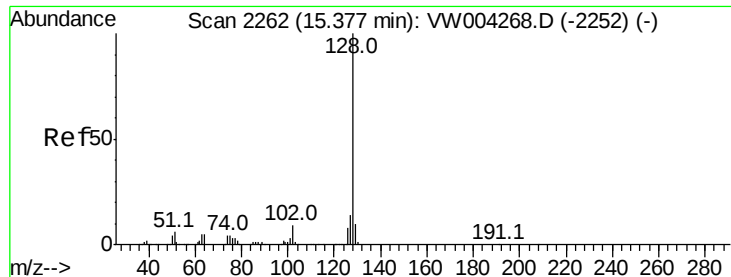


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 28.669 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD02598

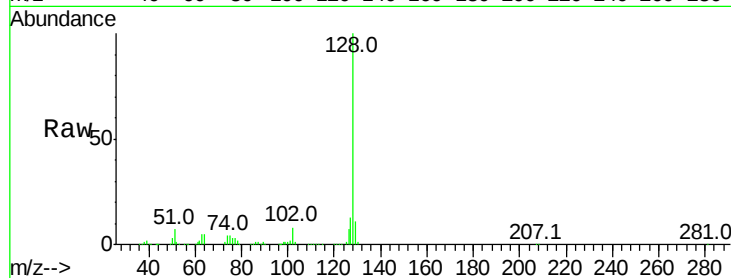
Tgt Ion:128 Resp: 366096

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

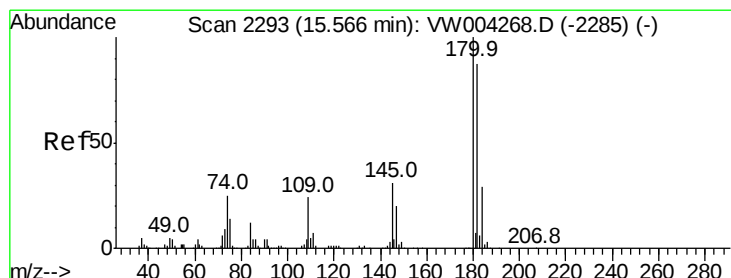
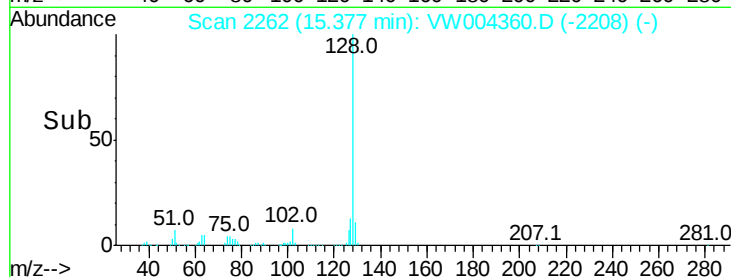
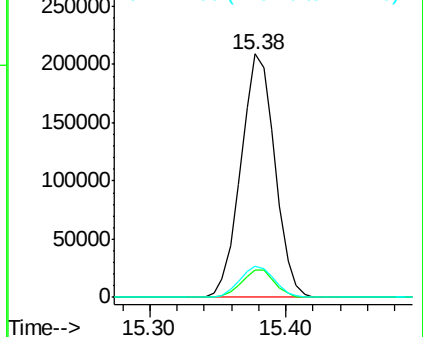
127 13.0 11.0 16.4



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: 27.601 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004360.D

Acq: 31 Jul 2018 16:11

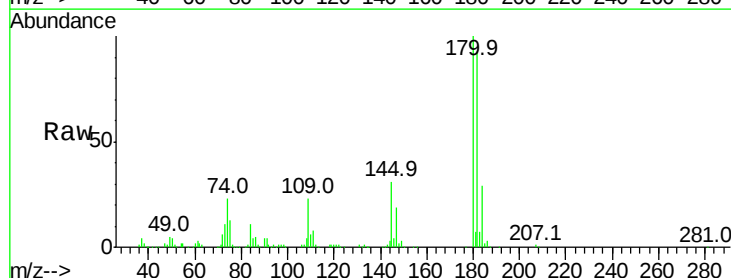
Tgt Ion:180 Resp: 148393

Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.4

145 31.7 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

