

Data File : VW004361.D
Acq On : 31 Jul 2018 16:37
Operator : SY/AP
Sample : VSTD05099
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05099

Quant Time: Jul 31 16:59:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 31 16:55:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	339928	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	322725	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	170350	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132773	38.80	ug/L	0.00
7) Chloroethane-d5	2.89	69	121177	48.69	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	397314	48.64	ug/L	0.00
20) 2-Butanone-d5	7.09	46	187873	96.97	ug/L	0.00
24) Chloroform-d	7.65	84	406879	46.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	227499	43.46	ug/L	0.00
29) Benzene-d6	8.27	84	814304	47.61	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	251776	44.26	ug/L	0.00
37) Toluene-d8	10.33	98	778016	48.12	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	122091	47.28	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	152043	101.70	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	267288	46.01	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	311315	48.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	153625	67.940 ug/L	90
3) Chloromethane	2.22	50	129148	40.459 ug/L	95
5) Vinyl chloride	2.37	62	186623	43.815 ug/L	97
6) Bromomethane	2.78	94	117383	49.192 ug/L	98
8) Chloroethane	2.93	64	124061	54.201 ug/L	93
9) Trichlorofluoromethane	3.26	101	143595	69.661 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	227462	56.005 ug/L	97
12) 1,1-Dichloroethene	4.04	96	224264	57.048 ug/L	92
13) Acetone	4.13	43	145328	74.291 ug/L	99
14) Carbon disulfide	4.38	76	691613	54.642 ug/L	100
15) Methyl Acetate	4.67	43	158965	48.852 ug/L	95
16) Methylene chloride	4.91	84	229691	48.195 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	340751	43.663 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	231551	55.924 ug/L	98
19) 1,1-Dichloroethane	6.21	63	407463	50.520 ug/L	98
21) 2-Butanone	7.18	43	212540	86.197 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	256797	55.790 ug/L	97
23) Bromochloromethane	7.51	128	117041	53.712 ug/L	85
25) Chloroform	7.68	83	415665	50.262 ug/L	100
27) 1,2-Dichloroethane	8.40	62	279893	46.013 ug/L	100
30) Cyclohexane	7.96	56	414699	58.071 ug/L	94
31) 1,1,1-Trichloroethane	7.87	97	345223	53.006 ug/L	99
32) Carbon tetrachloride	8.07	117	338256	53.399 ug/L	100
34) Benzene	8.33	78	926916	49.959 ug/L	100
35) Trichloroethene	9.09	95	243882	49.967 ug/L	99
36) Methylcyclohexane	9.34	83	463093	56.772 ug/L	97
40) 1,2-Dichloropropane	9.37	63	236492	46.946 ug/L	100
41) Bromodichloromethane	9.65	83	297431	47.815 ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	370828	50.607 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	423336	94.335 ug/L	98

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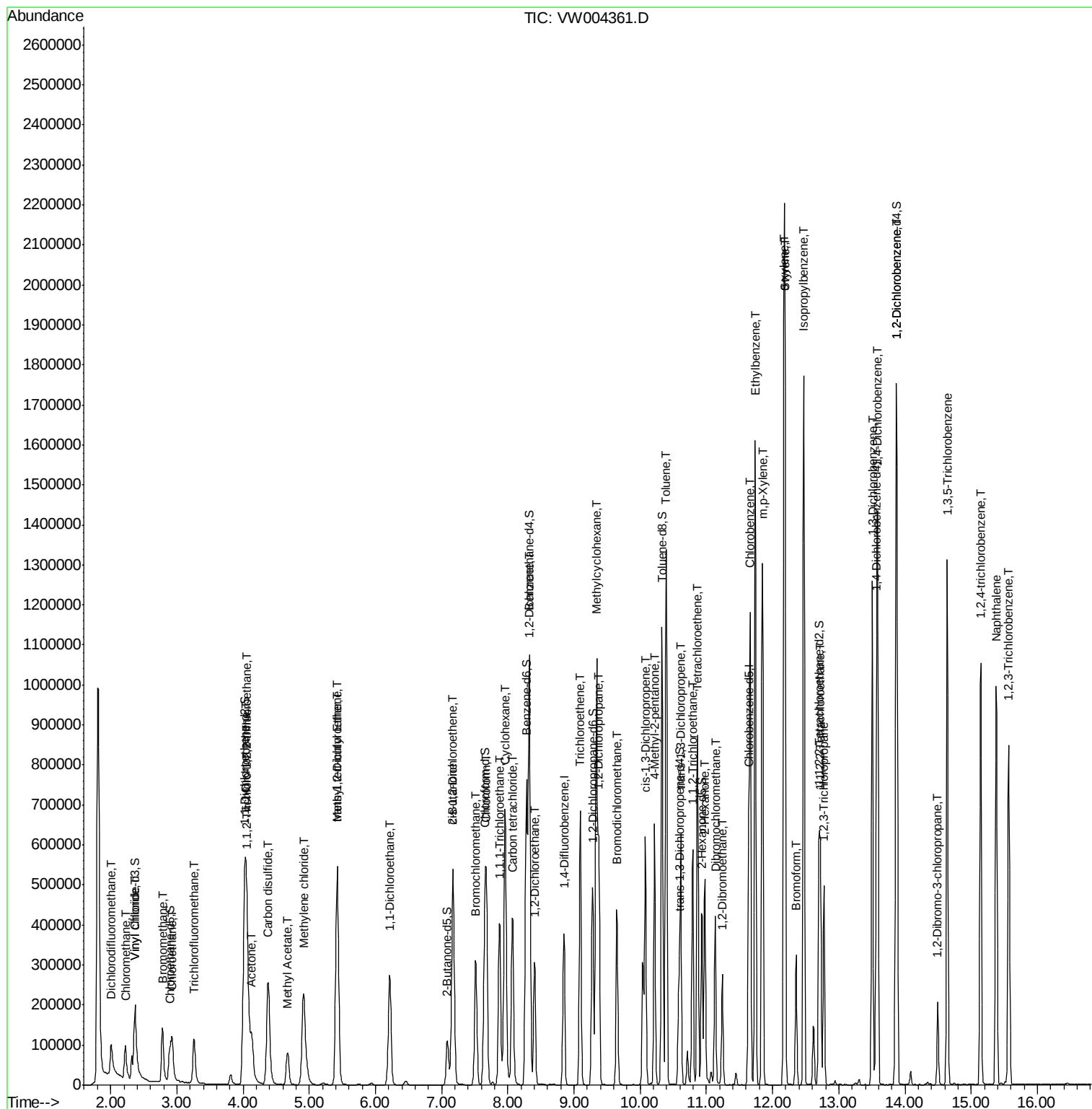
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	997475	50.868	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	335105	49.868	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	190127	48.612	ug/L	96
47) Tetrachloroethene	10.87	164	205100	52.531	ug/L	98
49) 2-Hexanone	10.98	43	315662	89.775	ug/L	99
50) Dibromochloromethane	11.13	129	231528	51.903	ug/L	94
51) 1,2-Dibromoethane	11.24	107	187784	49.243	ug/L	91
52) Chlorobenzene	11.66	112	644213	51.547	ug/L	100
53) Ethylbenzene	11.74	91	1154370	54.556	ug/L	99
54) m,p-Xylene	11.85	106	429370	53.952	ug/L	90
55) o-xylene	12.17	106	400252	53.734	ug/L	85
56) Styrene	12.19	104	698260	54.085	ug/L	98
57) Isopropylbenzene	12.47	105	1158633	57.255	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	270379	48.493	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	208760	48.701	ug/L	97
62) Bromoform	12.35	173	156628	51.213	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	534150	53.291	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	546845	51.669	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	502699	51.479	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	53660	48.929	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	421788	54.401	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	359424	56.842	ug/L	100
69) Naphthalene	15.38	128	866815	59.660	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	308974	50.510	ug/L	100

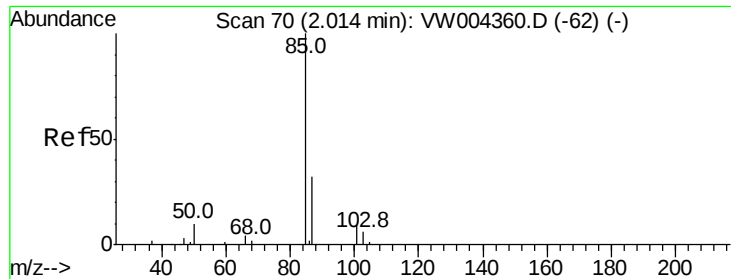
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 67.940 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.01 min

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Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

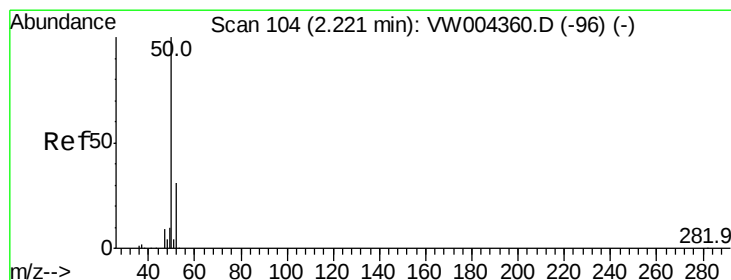
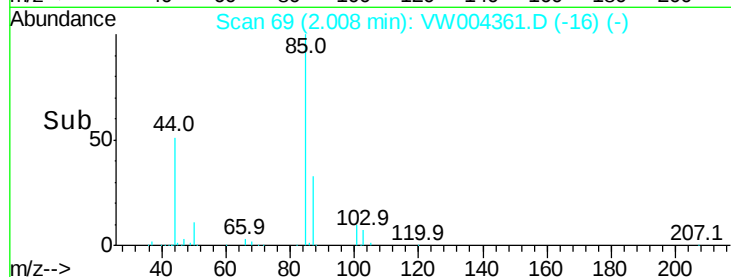
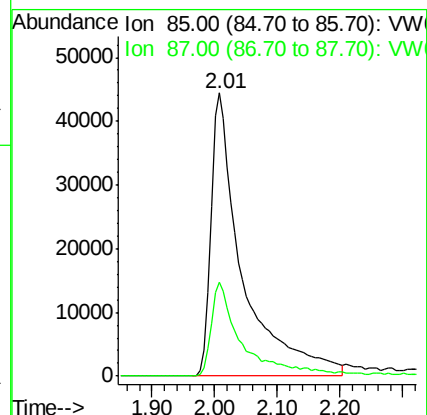
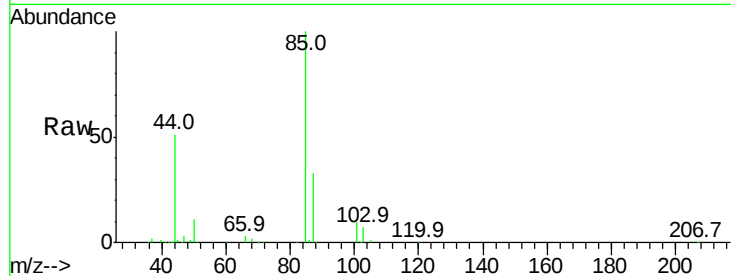
VSTD05099

Tgt Ion: 85 Resp: 153625

Ion Ratio Lower Upper

85 100

87 26.0 22.1 41.1



#3

Chloromethane

Concen: 40.459 ug/L

RT: 2.22 min Scan# 104

Delta R.T. -0.00 min

Lab File: VW004361.D

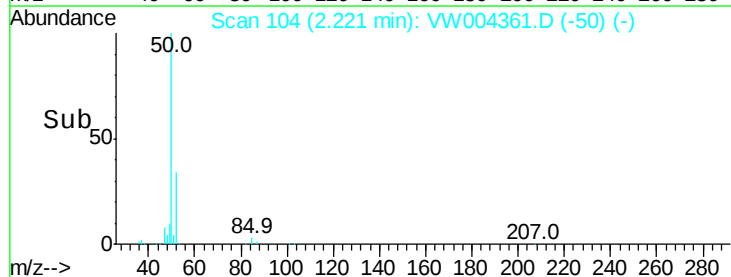
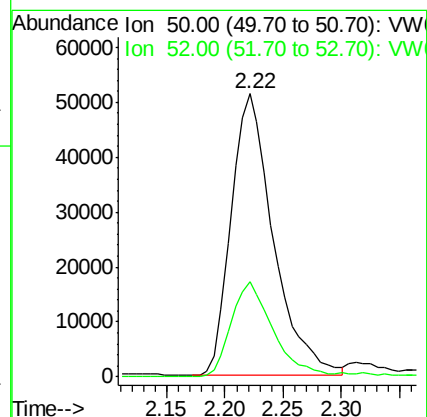
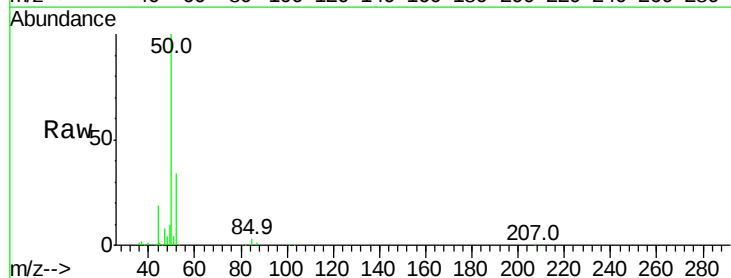
Acq: 31 Jul 2018 16:37

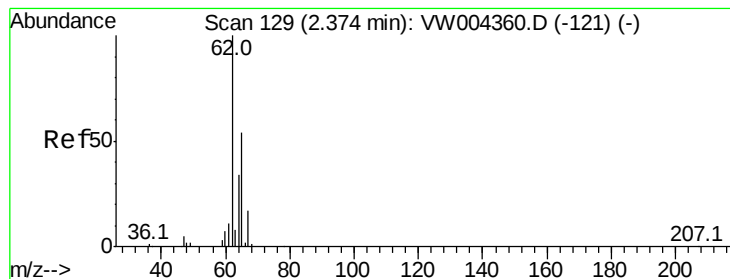
Tgt Ion: 50 Resp: 129148

Ion Ratio Lower Upper

50 100

52 33.7 21.6 40.0





#5

Vinyl chloride

Concen: 43.815 ug/L

RT: 2.37 min Scan# 129

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

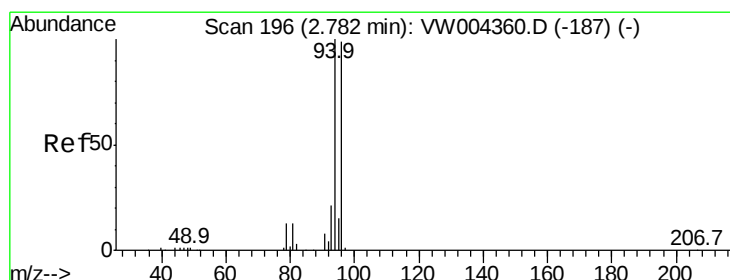
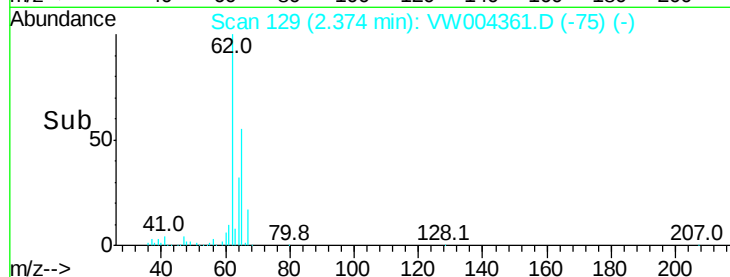
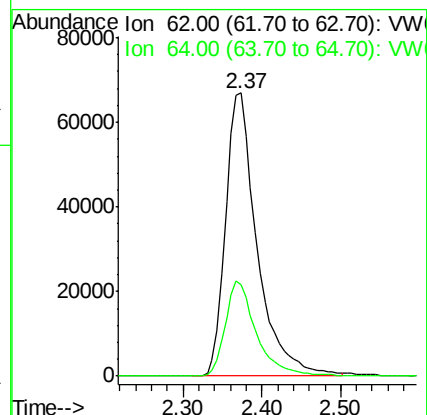
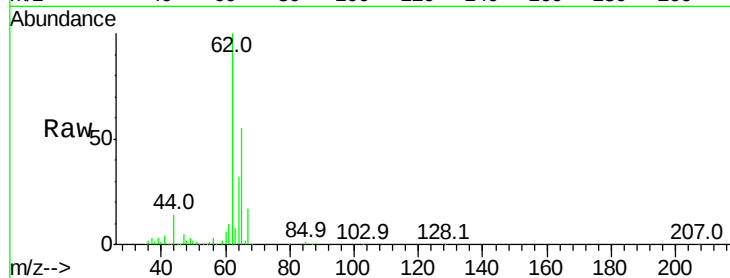
VSTD05099

Tgt Ion: 62 Resp: 186623

Ion Ratio Lower Upper

62 100

64 32.2 23.9 44.5



#6

Bromomethane

Concen: 49.192 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004361.D

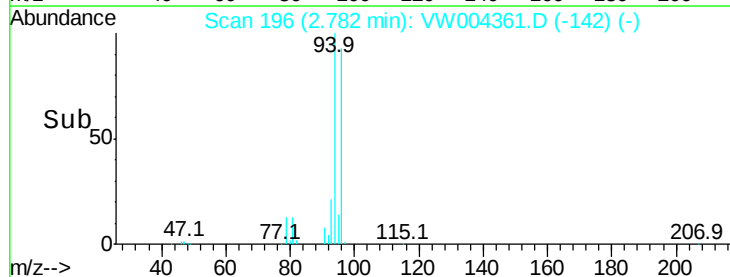
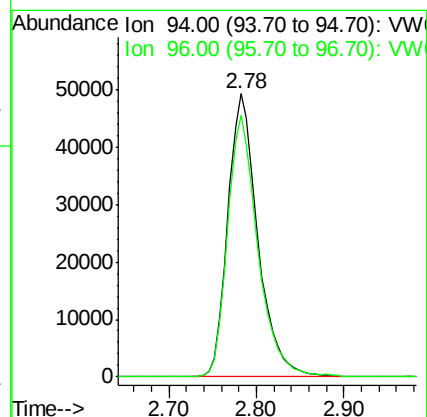
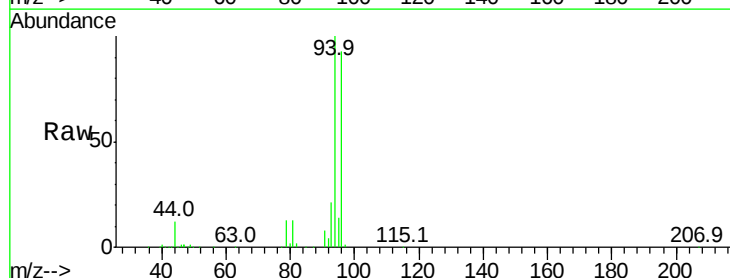
Acq: 31 Jul 2018 16:37

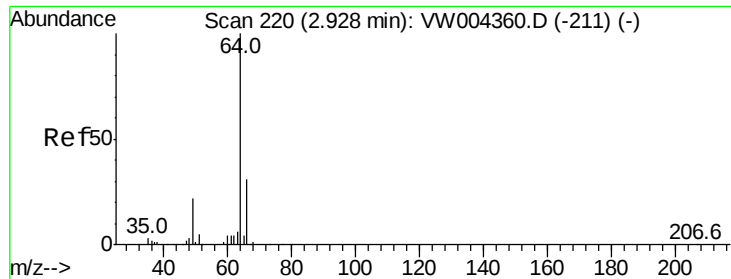
Tgt Ion: 94 Resp: 117383

Ion Ratio Lower Upper

94 100

96 92.9 9.5 181.1





#8

Chloroethane

Concen: 54.201 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

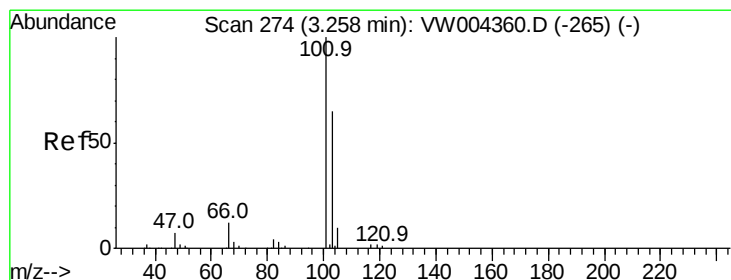
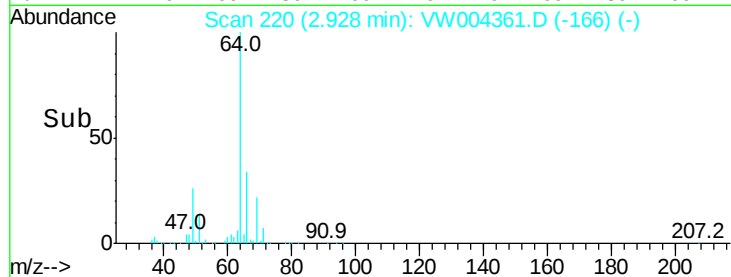
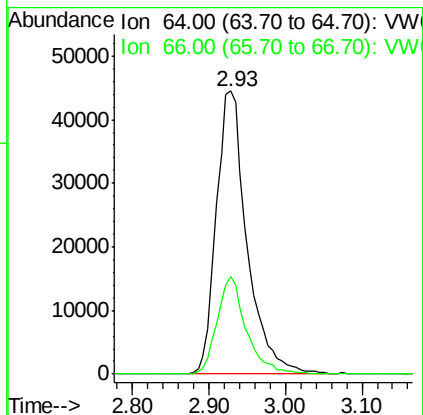
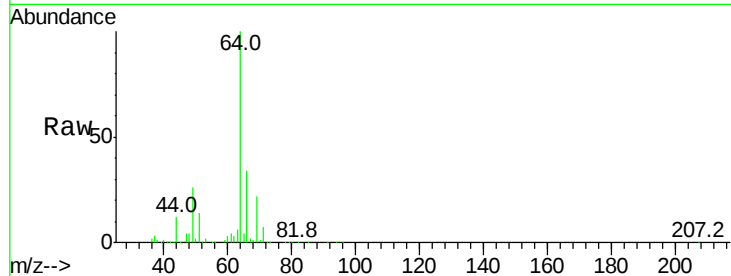
VSTD05099

Tgt Ion: 64 Resp: 124061

Ion Ratio Lower Upper

64 100

66 34.4 21.5 39.9



#9

Trichlorofluoromethane

Concen: 69.661 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004361.D

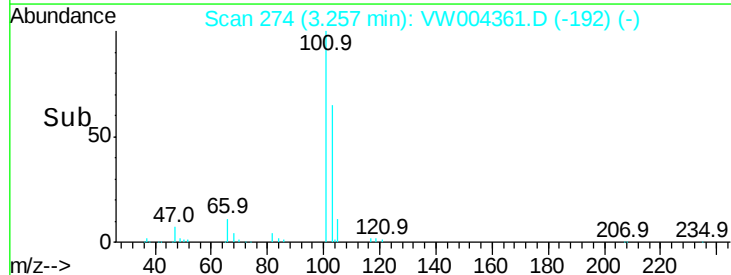
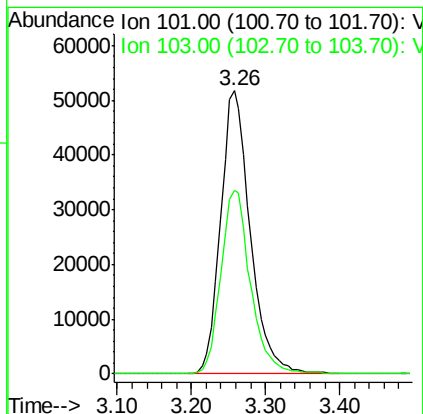
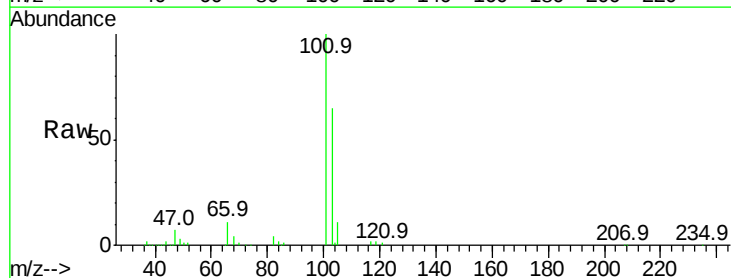
Acq: 31 Jul 2018 16:37

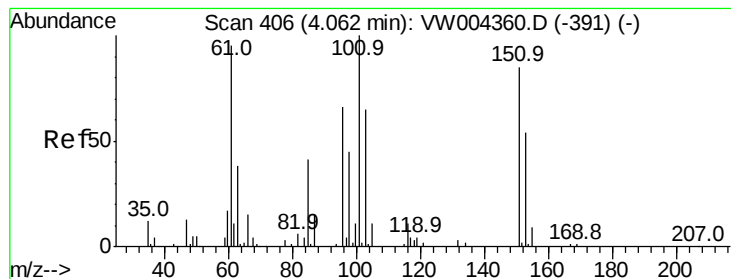
Tgt Ion: 101 Resp: 143595

Ion Ratio Lower Upper

101 100

103 64.5 45.3 84.1





#11

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

Concen: 56.005 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD05099

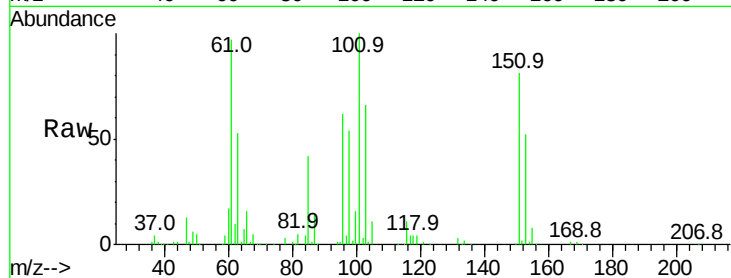
Tgt Ion:101 Resp: 227462

Ion Ratio Lower Upper

101 100

85 43.3 32.4 48.6

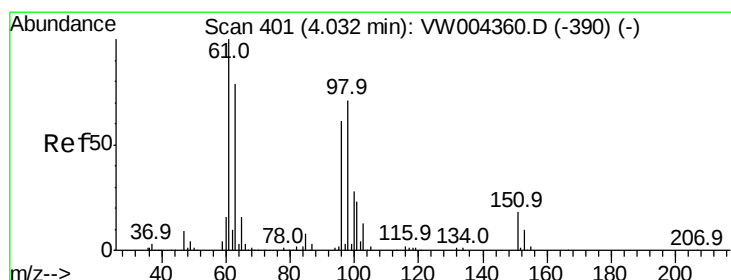
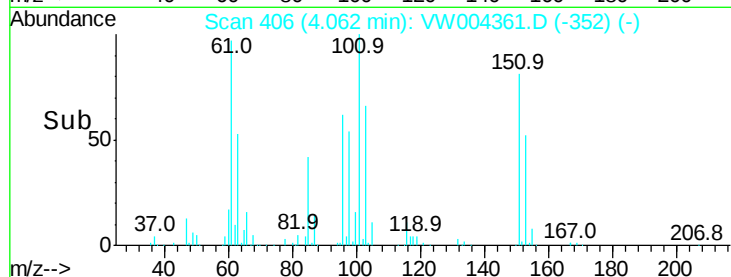
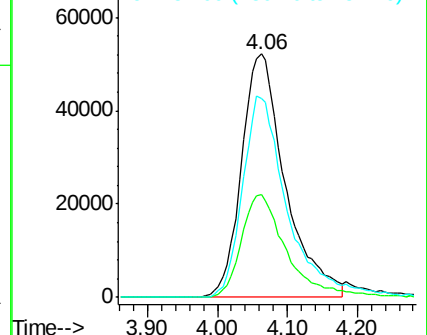
151 84.1 69.2 103.8



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: 57.048 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

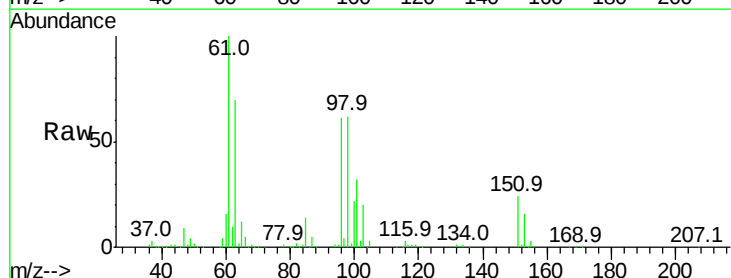
Tgt Ion: 96 Resp: 224264

Ion Ratio Lower Upper

96 100

61 163.1 115.4 214.4

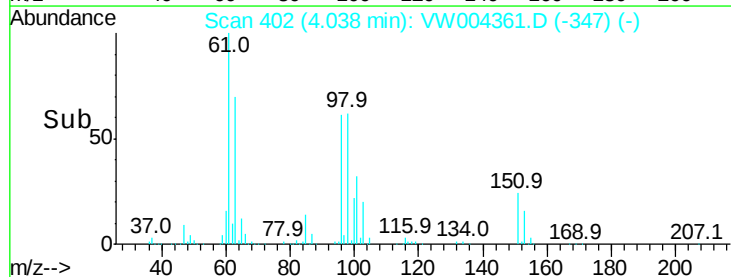
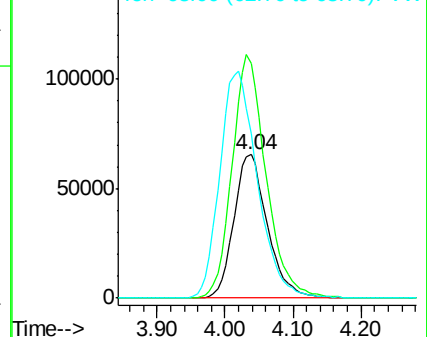
63 114.5 94.4 175.2

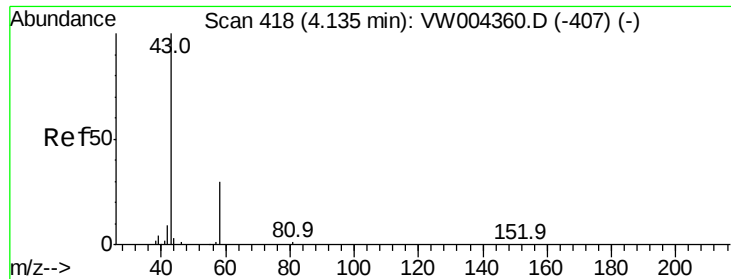


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 74.291 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

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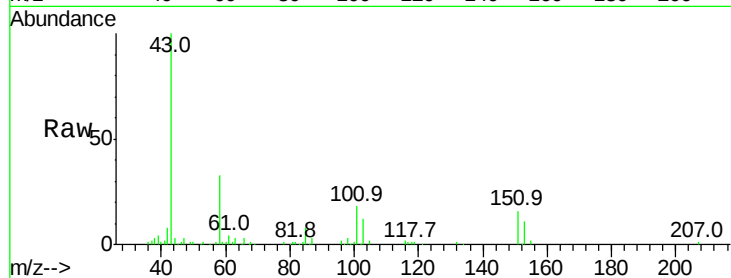
VSTD05099

Tgt Ion: 43 Resp: 145328

Ion Ratio Lower Upper

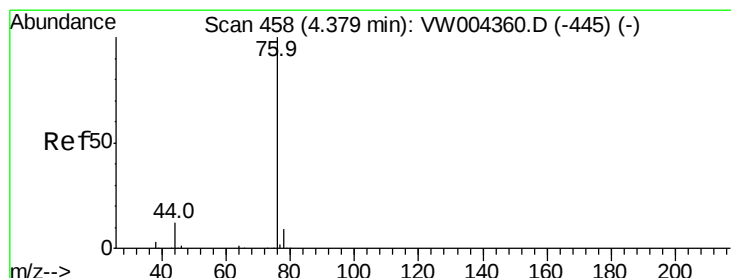
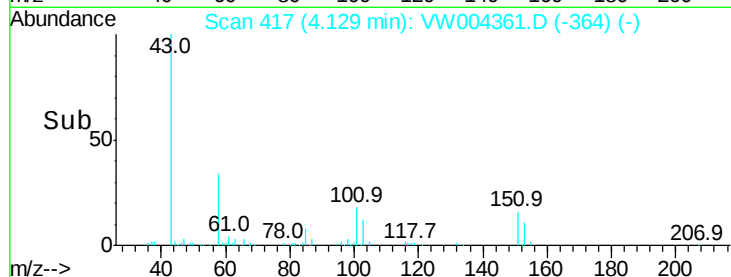
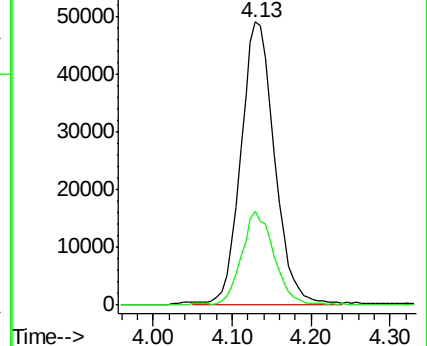
43 100

58 31.8 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 54.642 ug/L

RT: 4.38 min Scan# 458

Delta R.T. -0.00 min

Lab File: VW004361.D

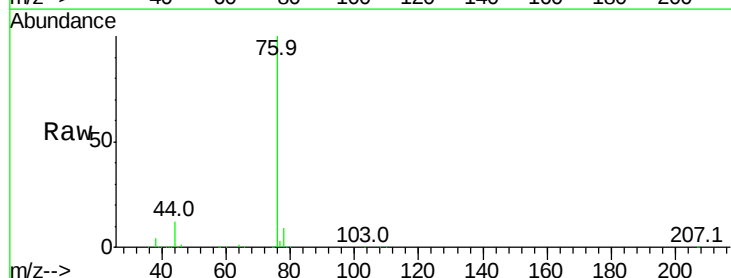
Acq: 31 Jul 2018 16:37

Tgt Ion: 76 Resp: 691613

Ion Ratio Lower Upper

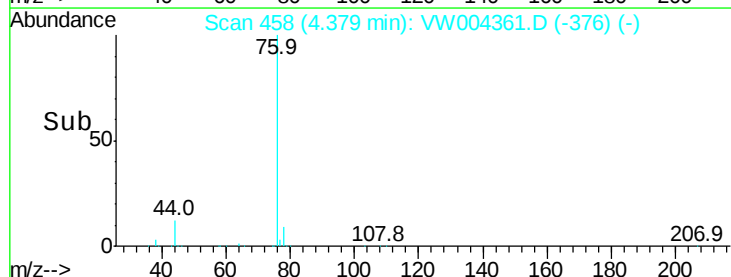
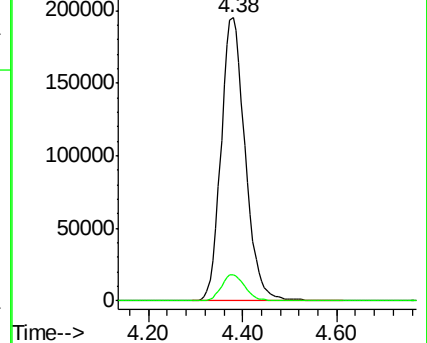
76 100

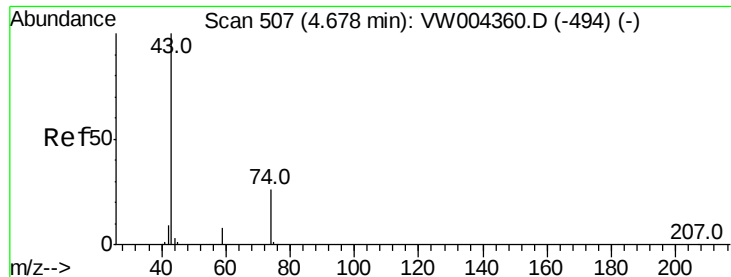
78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

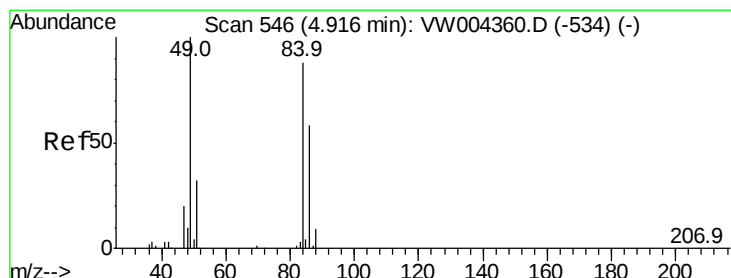
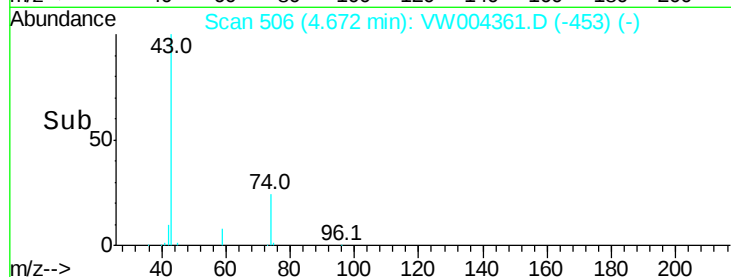
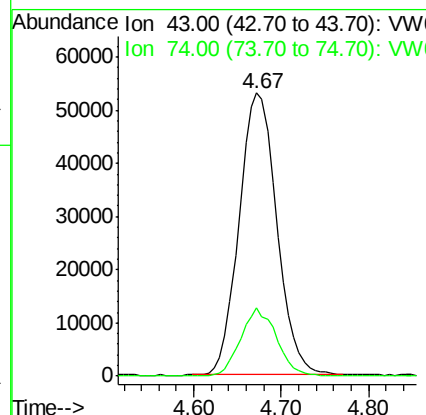
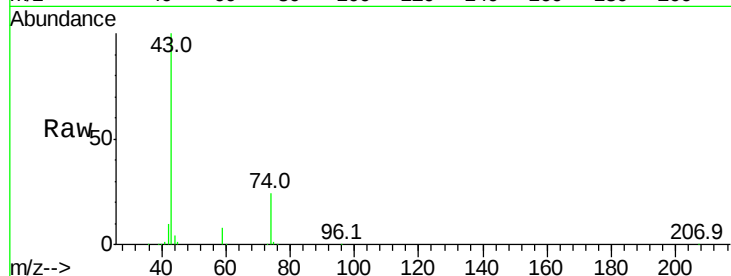




#15
Methyl Acetate
Concen: 48.852 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

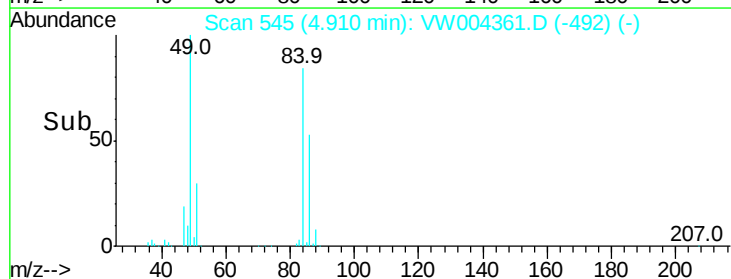
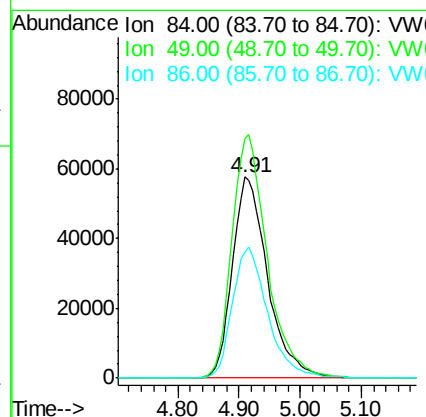
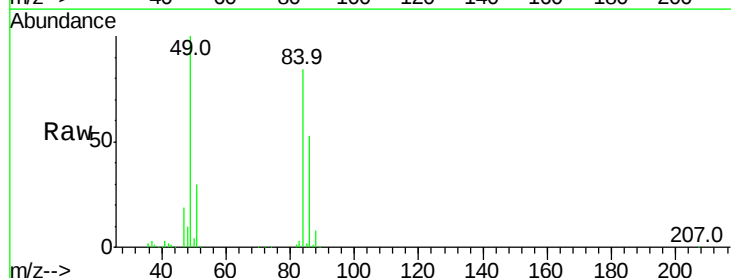
Instrument :
MSVOA_W
ClientSampleId :
VSTD05099

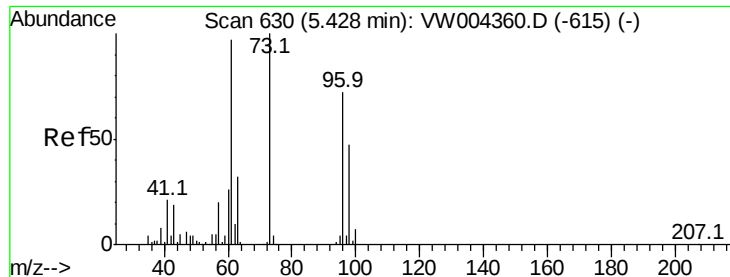
Tgt Ion: 43 Resp: 158965
Ion Ratio Lower Upper
43 100
74 23.0 20.6 31.0



#16
Methylene chloride
Concen: 48.195 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

Tgt Ion: 84 Resp: 229691
Ion Ratio Lower Upper
84 100
49 119.5 79.5 147.7
86 62.9 45.8 85.2

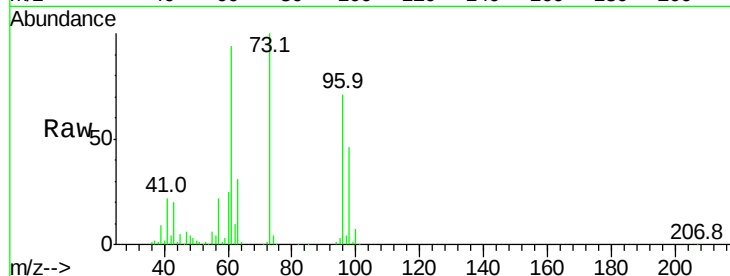




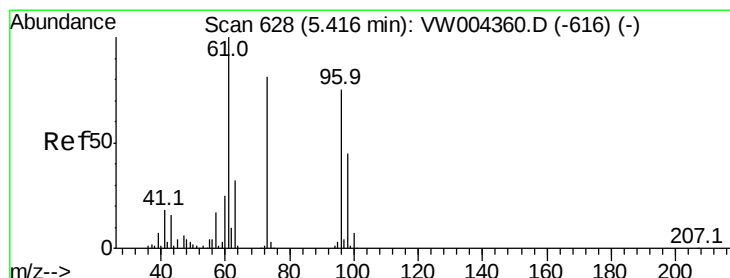
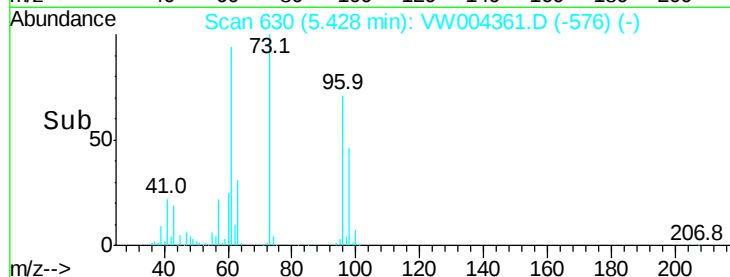
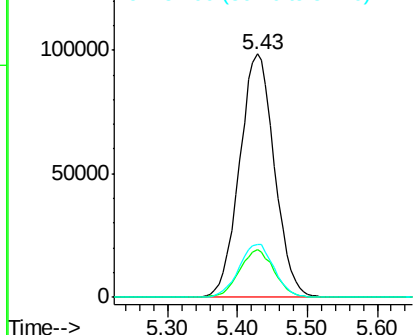
#17
Methyl tert-butyl Ether
Concen: 43.663 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

Instrument :
MSVOA_W
ClientSampled :
VSTD05099

Tgt Ion: 73 Resp: 340751
Ion Ratio Lower Upper
73 100
43 19.4 15.1 22.7
57 22.0 17.1 25.7

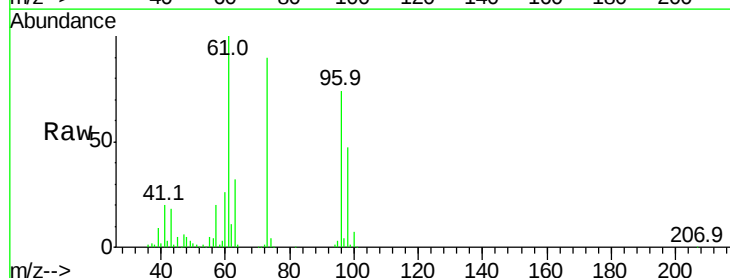


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

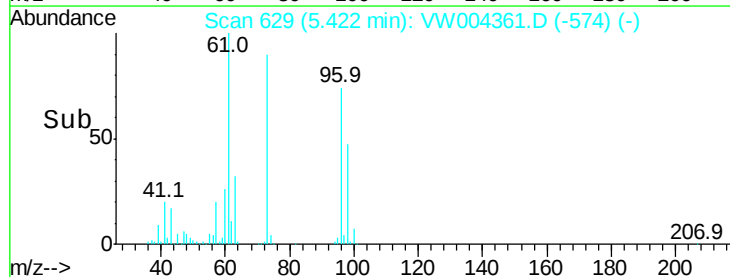
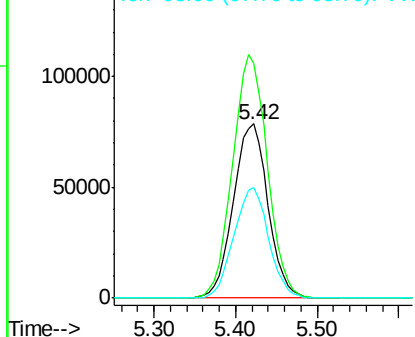


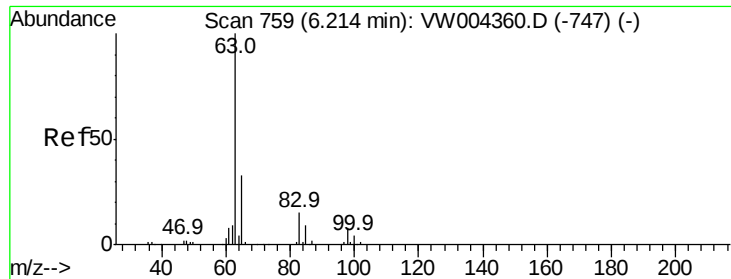
#18
trans-1,2-Dichloroethene
Concen: 55.924 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

Tgt Ion: 96 Resp: 231551
Ion Ratio Lower Upper
96 100
61 134.7 93.7 174.1
98 63.8 41.9 77.7



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





#19

1,1-Dichloroethane

Concen: 50.520 ug/L

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD05099

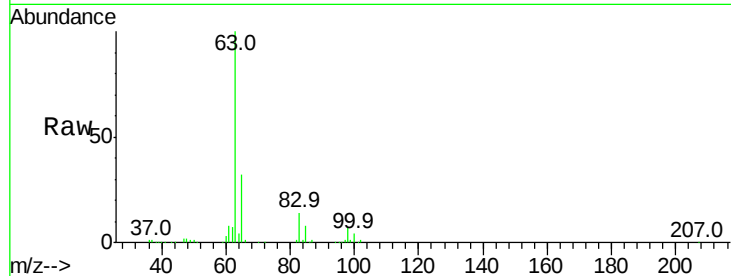
Tgt Ion: 63 Resp: 407463

Ion Ratio Lower Upper

63 100

65 31.8 23.0 42.8

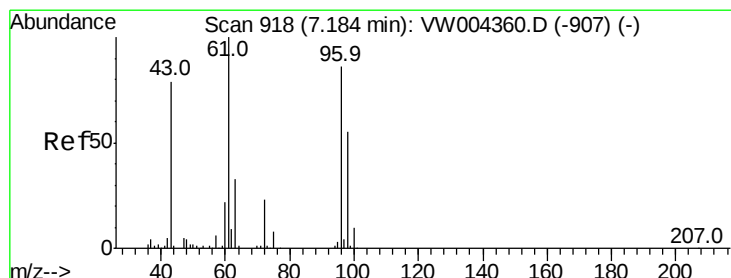
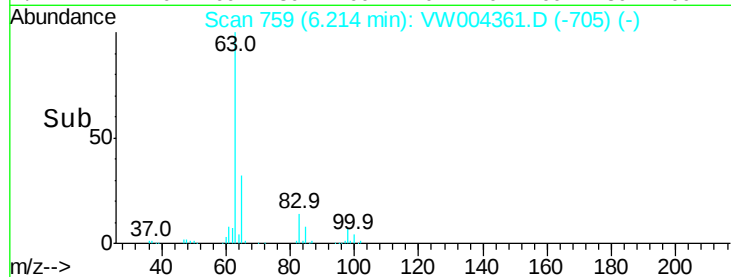
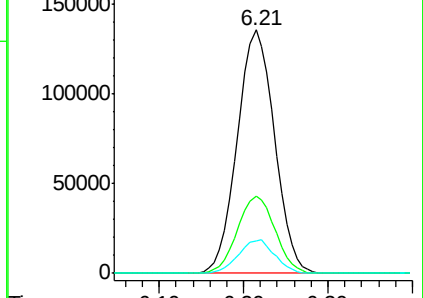
83 13.5 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 86.197 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004361.D

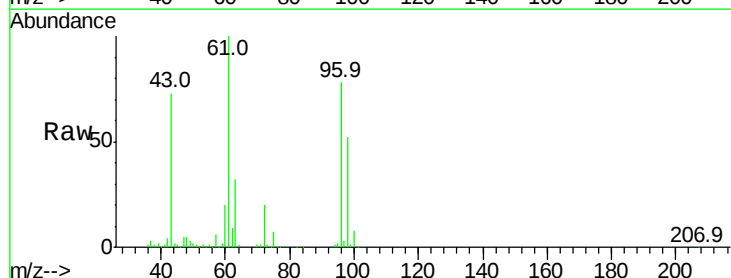
Acq: 31 Jul 2018 16:37

Tgt Ion: 43 Resp: 212540

Ion Ratio Lower Upper

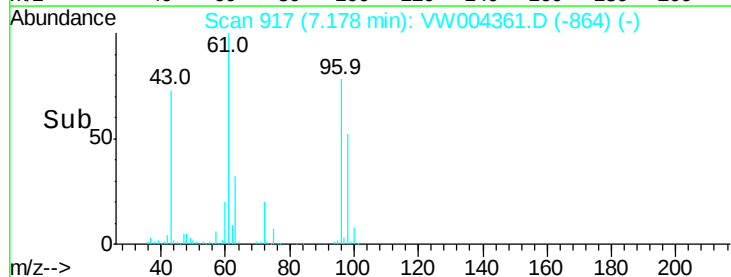
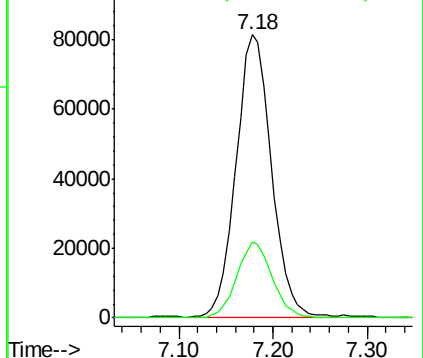
43 100

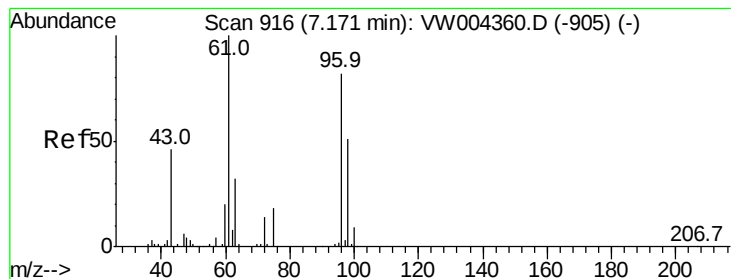
72 26.9 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



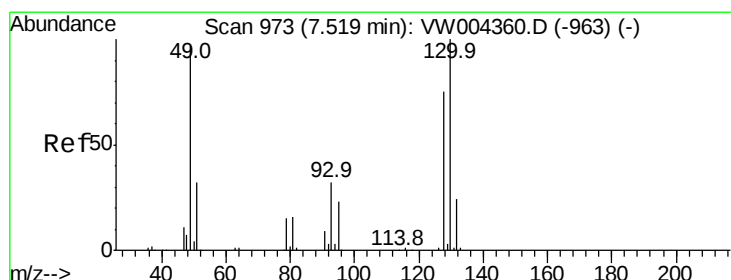
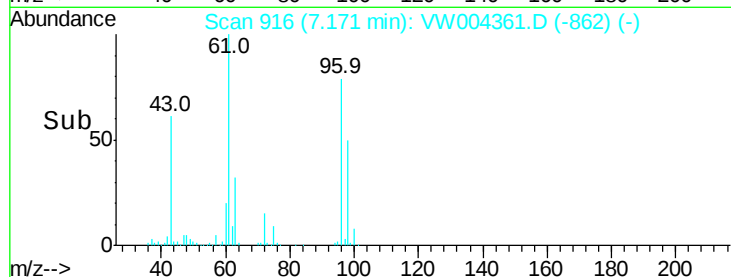
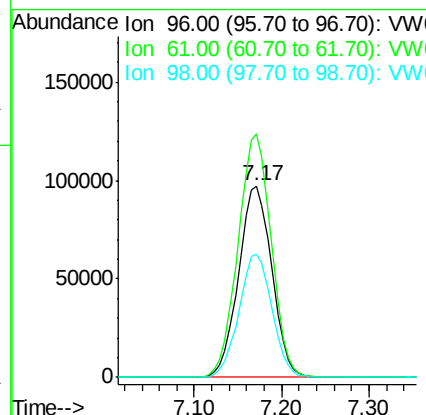
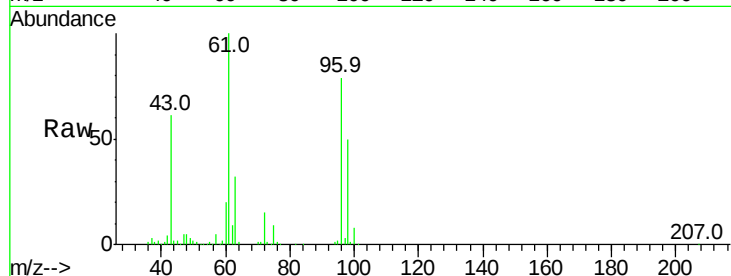


#22

cis-1,2-Dichloroethene
Concen: 55.790 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD05099

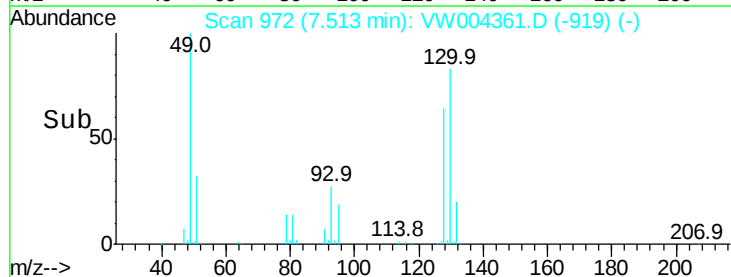
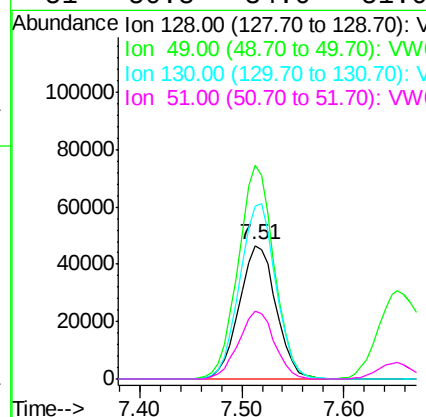
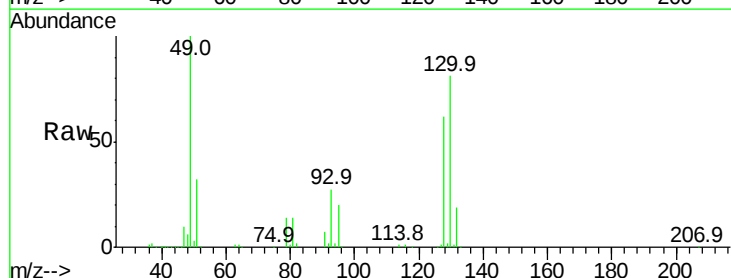
Tgt Ion: 96 Resp: 256797
Ion Ratio Lower Upper
96 100
61 127.0 85.7 159.1
98 64.0 43.8 81.3

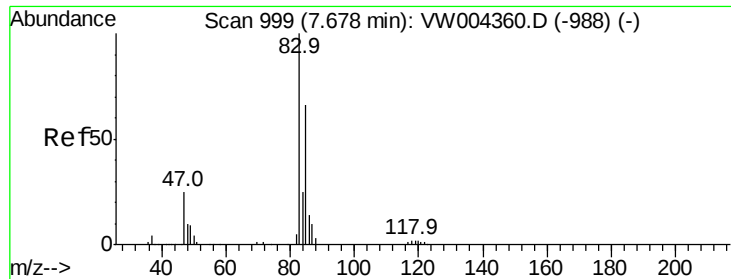


#23

Bromochloromethane
Concen: 53.712 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

Tgt Ion: 128 Resp: 117041
Ion Ratio Lower Upper
128 100
49 160.0 90.9 168.7
130 129.3 93.8 174.2
51 50.8 34.0 51.0





#25

Chloroform

Concen: 50.262 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

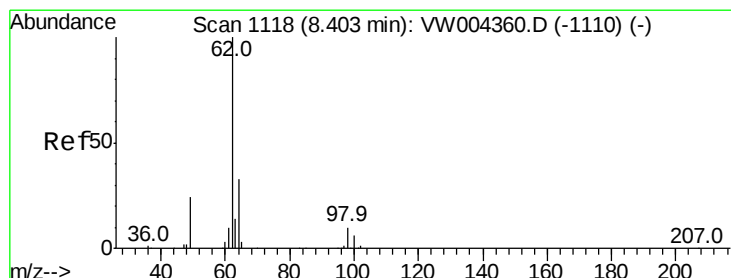
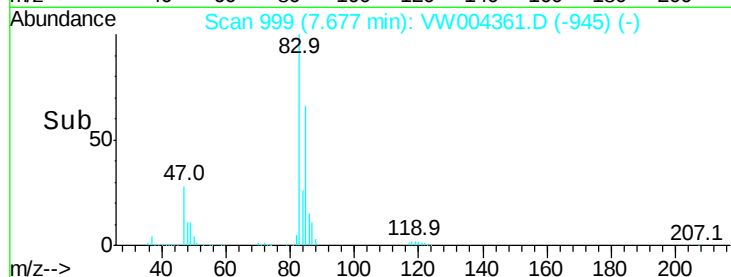
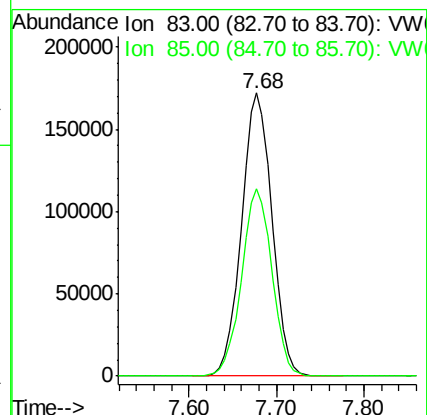
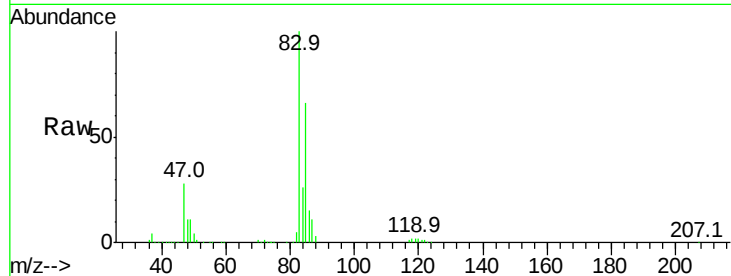
VSTD05099

Tgt Ion: 83 Resp: 415665

Ion Ratio Lower Upper

83 100

85 66.1 46.2 85.8



#27

1,2-Dichloroethane

Concen: 46.013 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004361.D

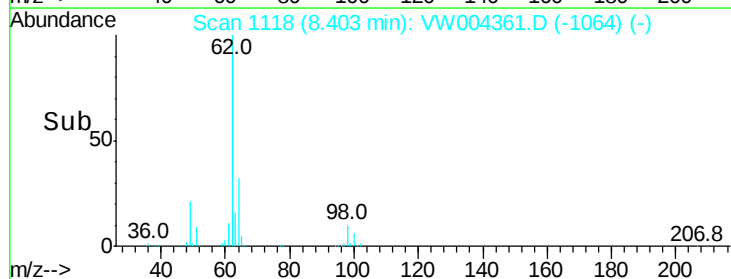
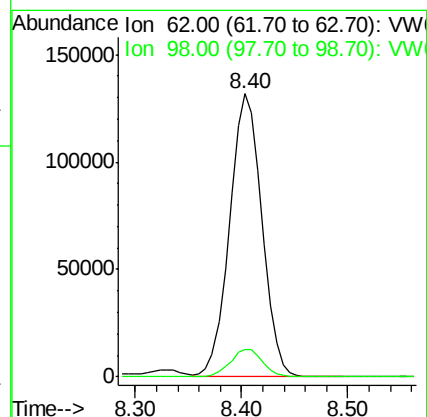
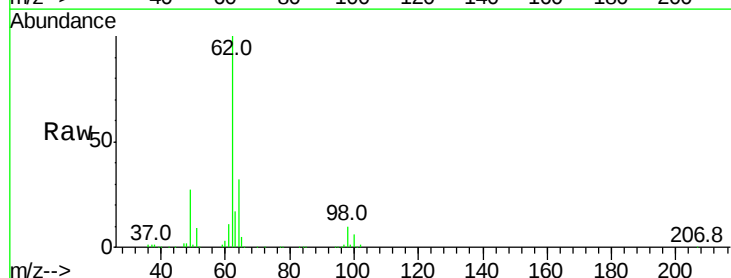
Acq: 31 Jul 2018 16:37

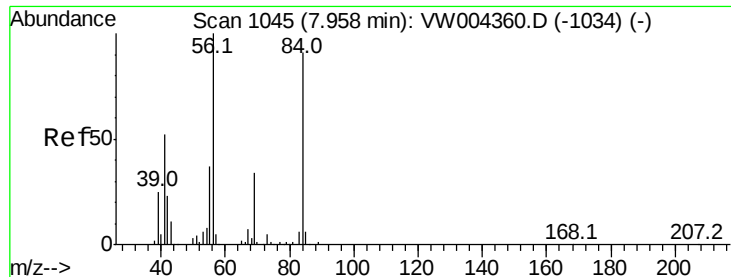
Tgt Ion: 62 Resp: 279893

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8

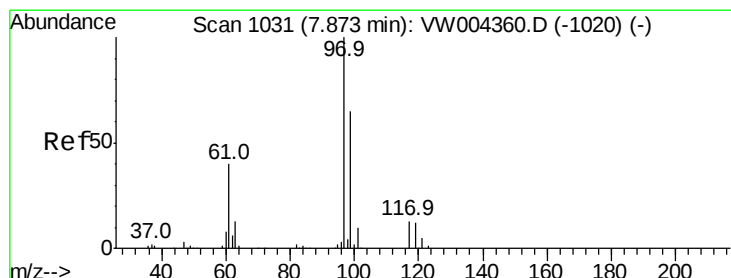
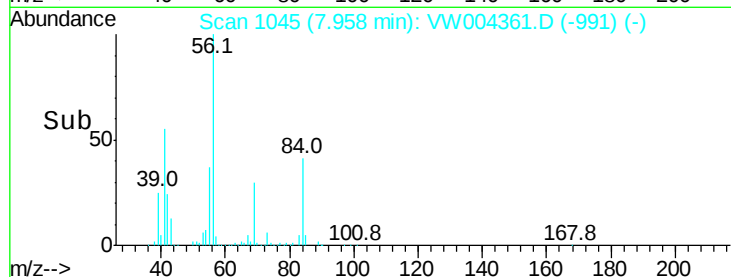
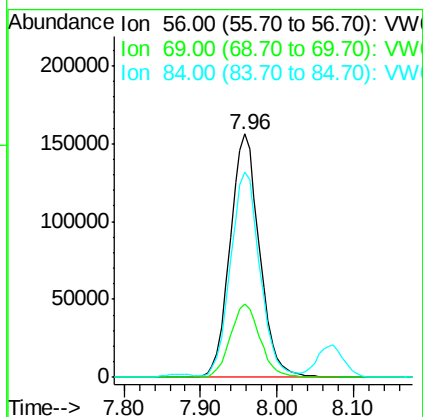
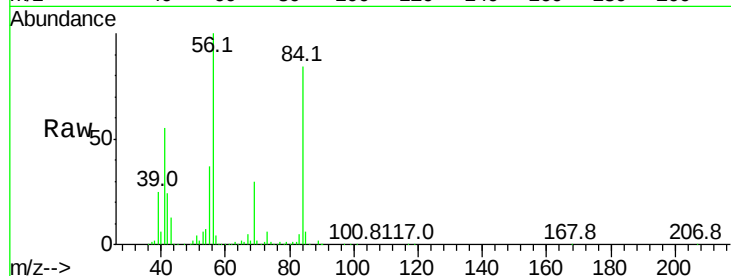




#30
Cyclohexane
Concen: 58.071 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

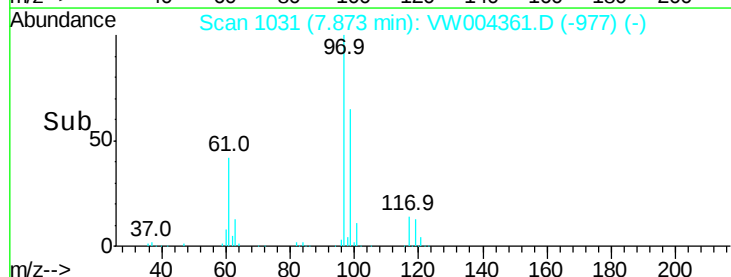
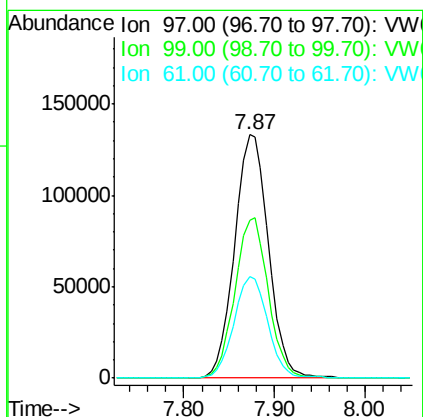
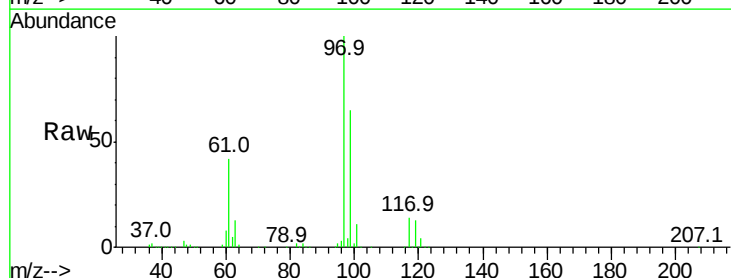
Instrument :
MSVOA_W
ClientSampleId :
VSTD05099

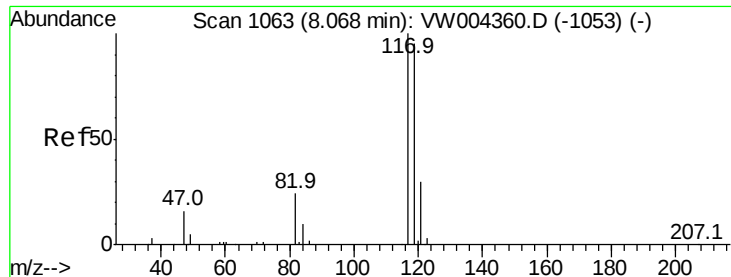
Tgt Ion: 56 Resp: 414699
Ion Ratio Lower Upper
56 100
69 30.5 25.7 38.5
84 84.9 73.8 110.6



#31
1,1,1-Trichloroethane
Concen: 53.006 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

Tgt Ion: 97 Resp: 345223
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.0
61 41.6 32.2 48.2





#32

Carbon tetrachloride

Concen: 53.399 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

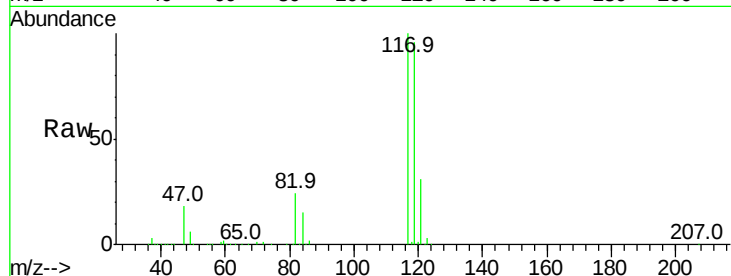
VSTD05099

Tgt Ion:117 Resp: 338256

Ion Ratio Lower Upper

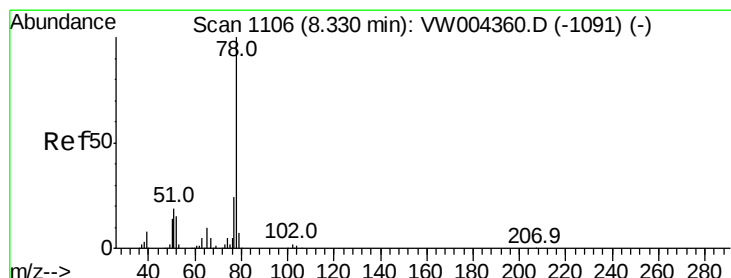
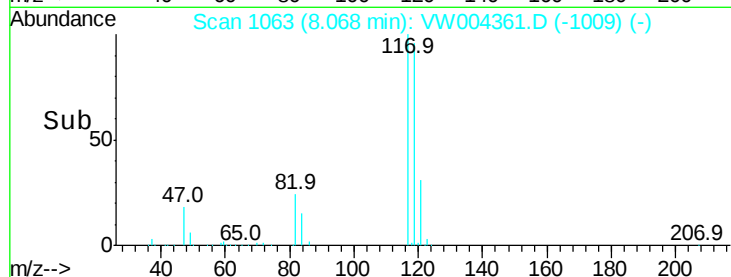
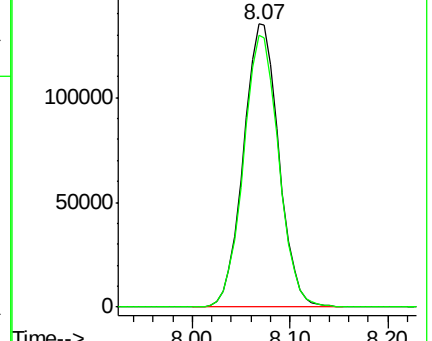
117 100

119 96.0 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 49.959 ug/L

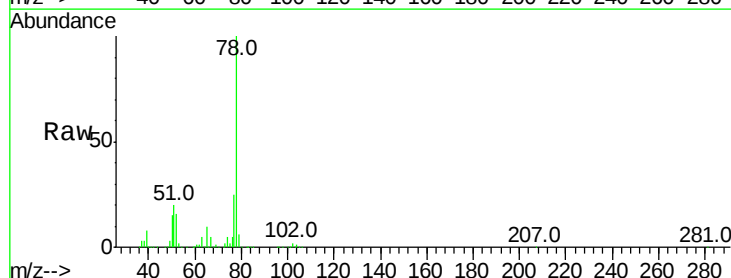
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

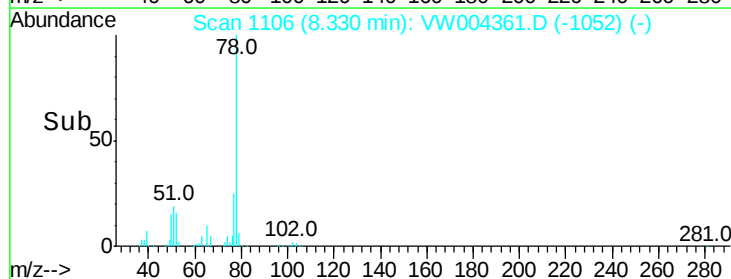
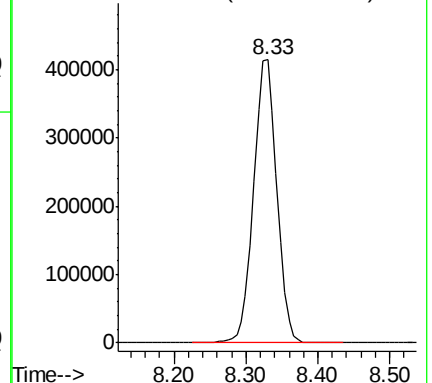
Lab File: VW004361.D

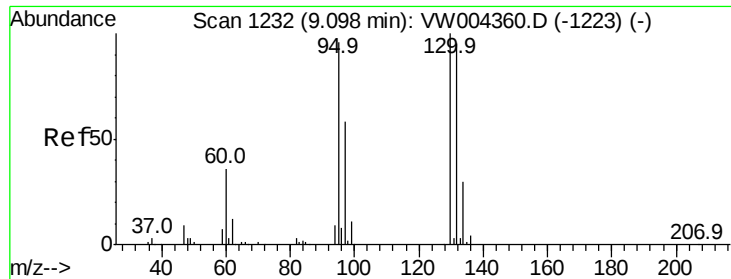
Acq: 31 Jul 2018 16:37

Tgt Ion: 78 Resp: 926916



Abundance Ion 78.00 (77.70 to 78.70): VW

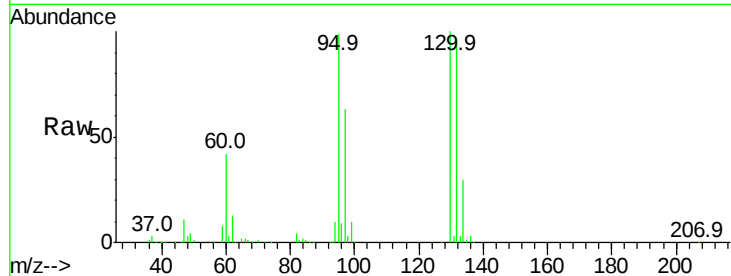




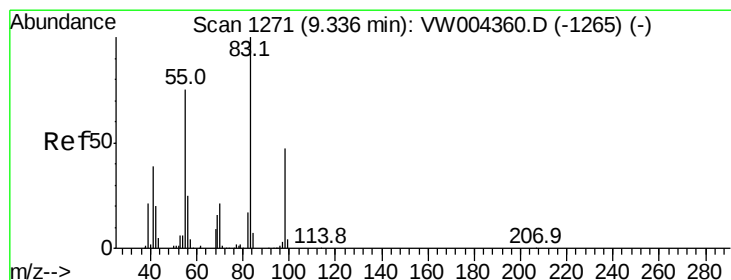
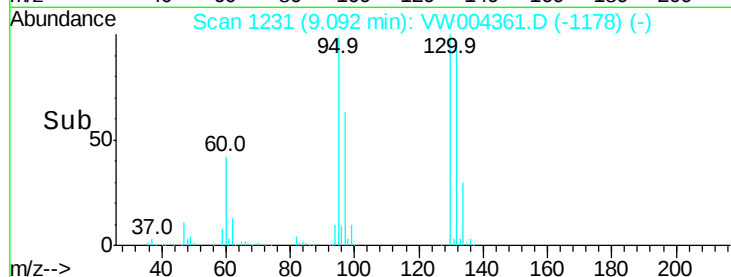
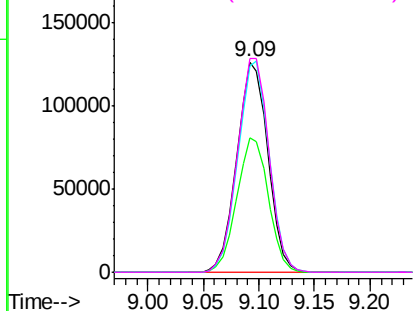
#35
 Trichloroethene
 Concen: 49.967 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW004361.D
 Acq: 31 Jul 2018 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05099

Tgt Ion: 95 Resp: 243882
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.6 84.6
 132 100.9 71.2 132.2
 130 103.7 73.9 137.3

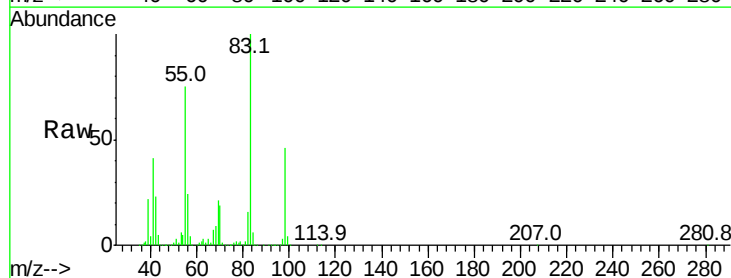


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

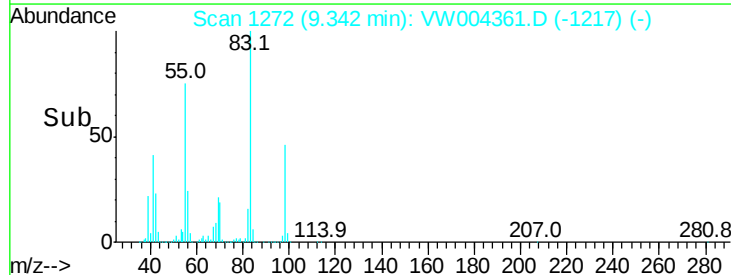
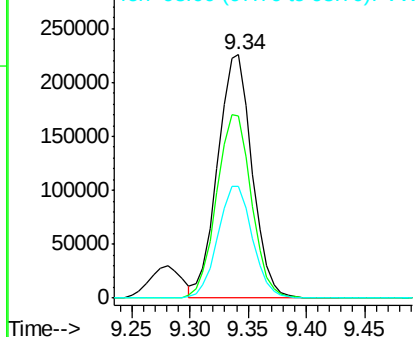


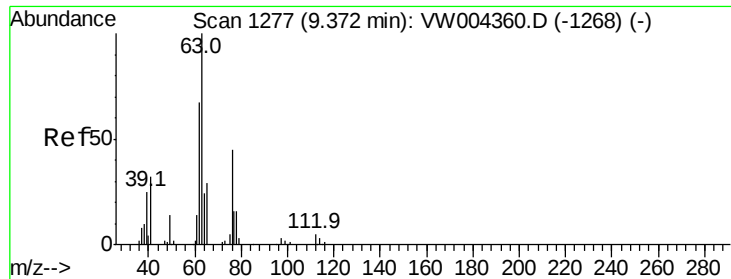
#36
 Methylcyclohexane
 Concen: 56.772 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VW004361.D
 Acq: 31 Jul 2018 16:37

Tgt Ion: 83 Resp: 463093
 Ion Ratio Lower Upper
 83 100
 55 76.4 58.2 87.2
 98 46.3 37.7 56.5



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

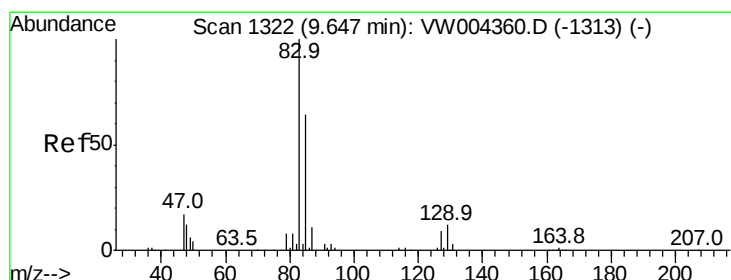
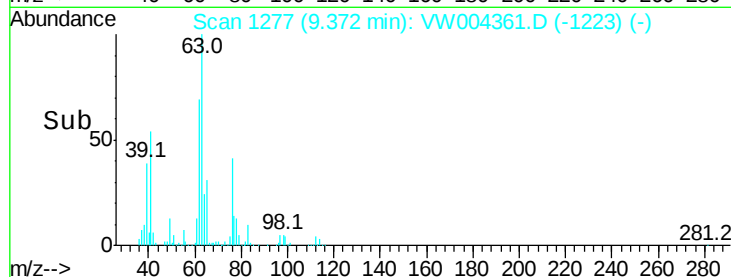
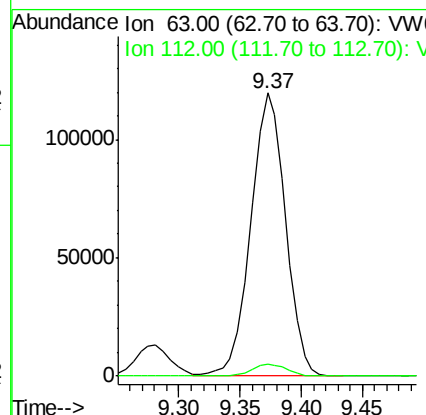
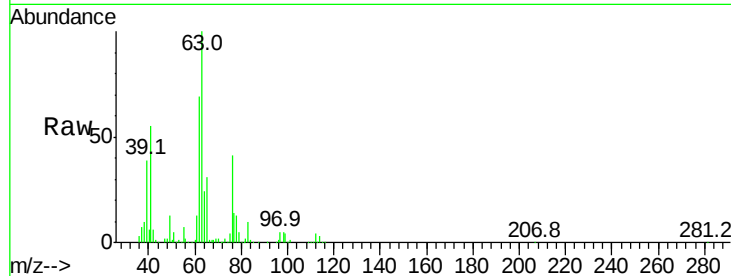




#40
 1,2-Dichloropropane
 Concen: 46.946 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004361.D
 Acq: 31 Jul 2018 16:37

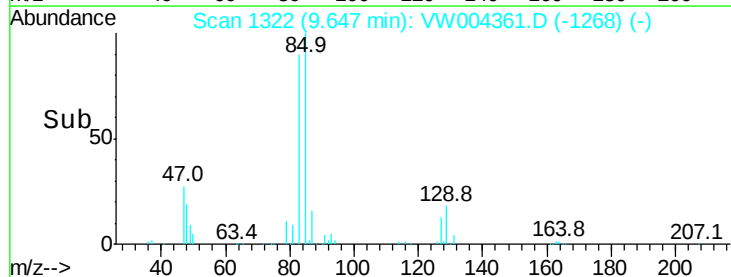
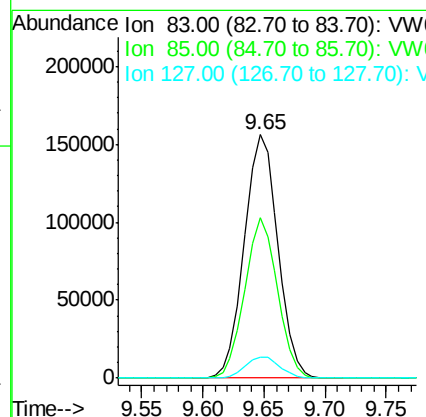
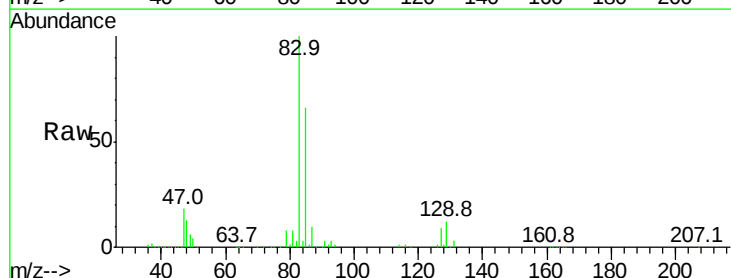
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05099

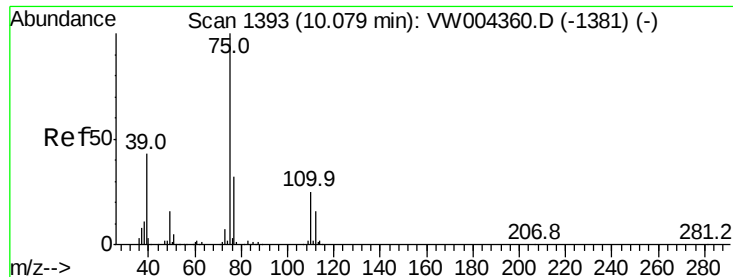
Tgt Ion: 63 Resp: 236492
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#41
 Bromodichloromethane
 Concen: 47.815 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004361.D
 Acq: 31 Jul 2018 16:37

Tgt Ion: 83 Resp: 297431
 Ion Ratio Lower Upper
 83 100
 85 65.8 44.9 83.3
 127 8.6 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 50.607 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

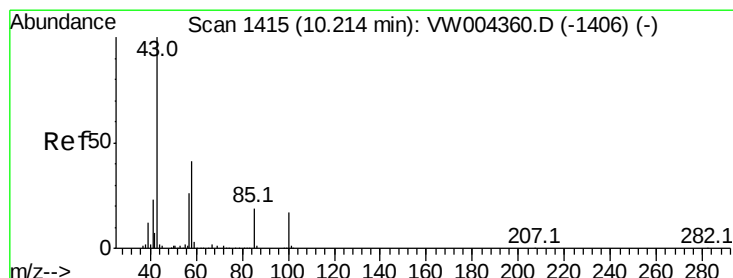
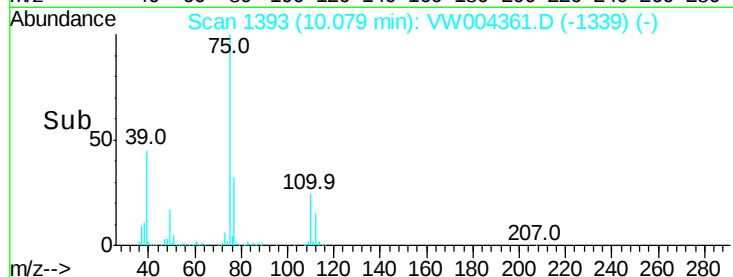
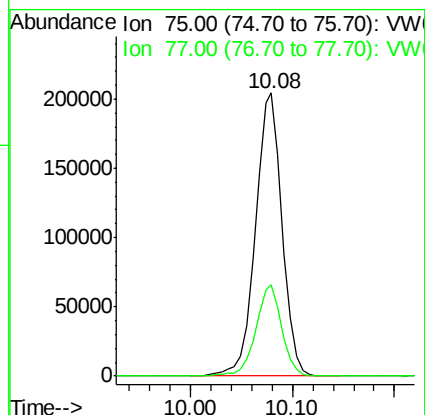
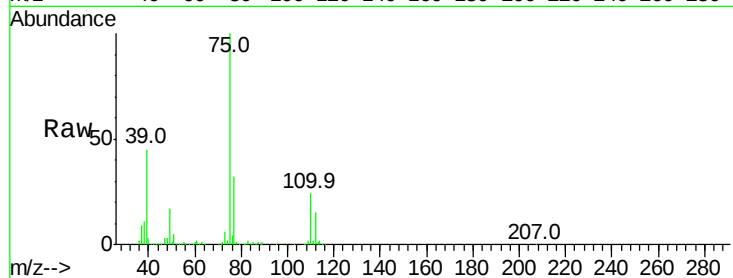
VSTD05099

Tgt Ion: 75 Resp: 370828

Ion Ratio Lower Upper

75 100

77 32.3 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 94.335 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

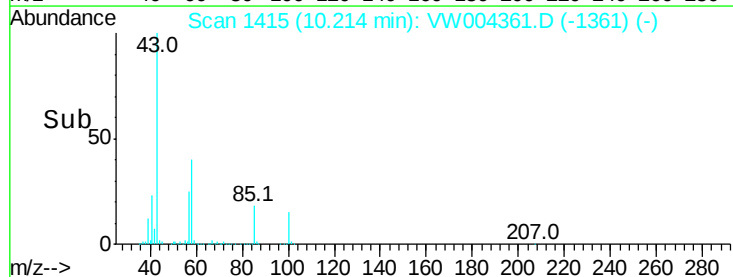
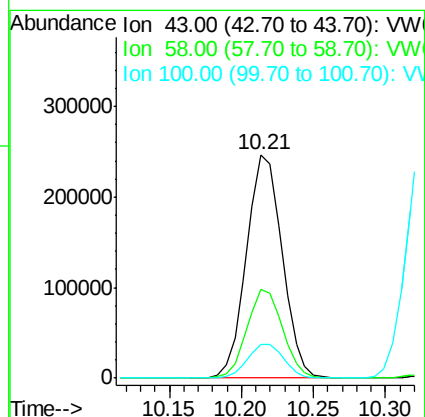
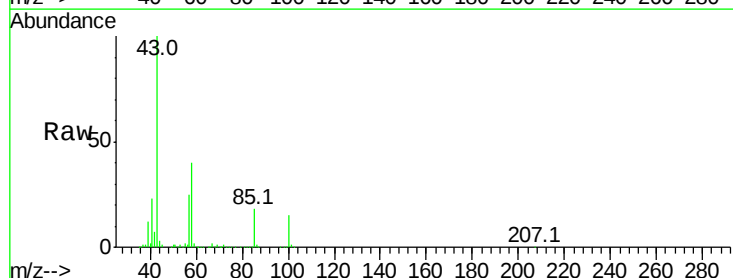
Tgt Ion: 43 Resp: 423336

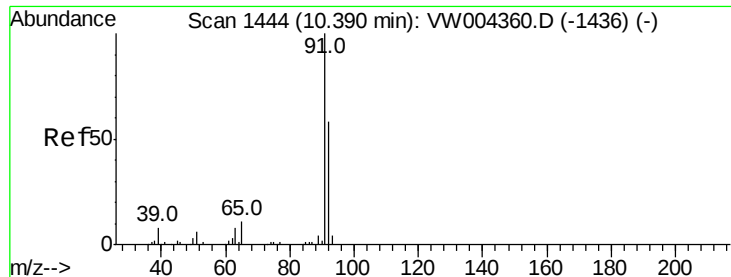
Ion Ratio Lower Upper

43 100

58 39.6 32.3 48.5

100 15.5 13.9 20.9





#44

Toluene

Concen: 50.868 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

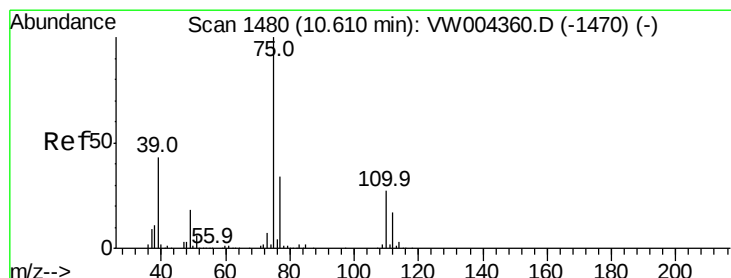
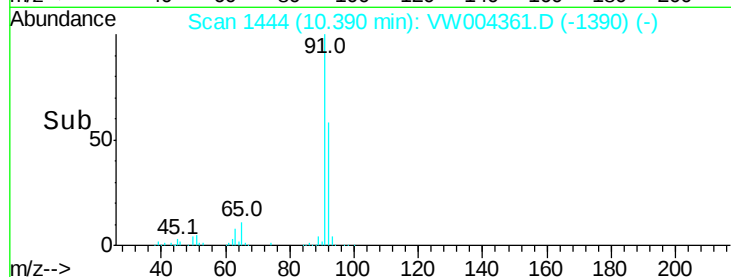
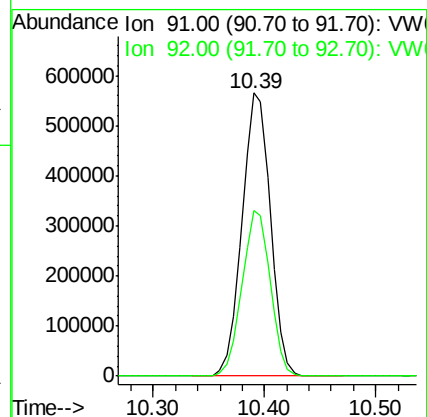
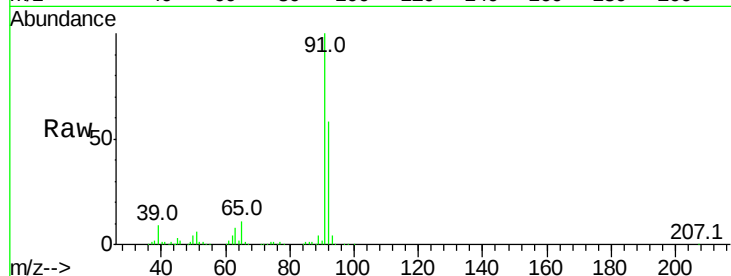
VSTD05099

Tgt Ion: 91 Resp: 997475

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 49.868 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004361.D

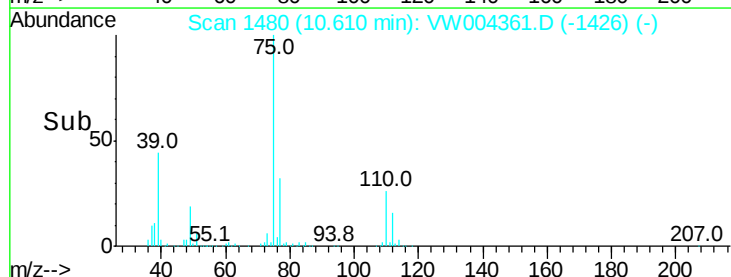
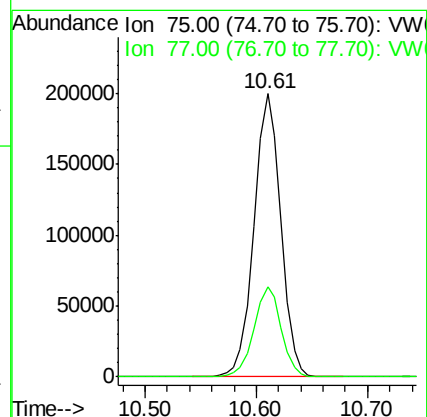
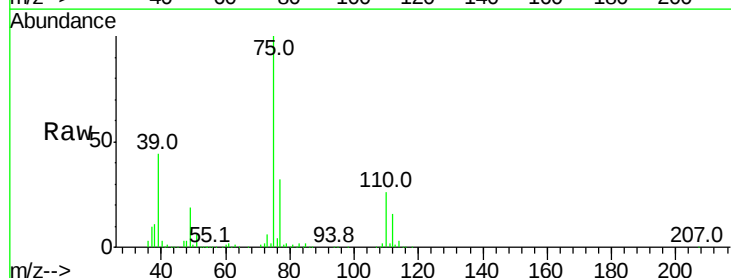
Acq: 31 Jul 2018 16:37

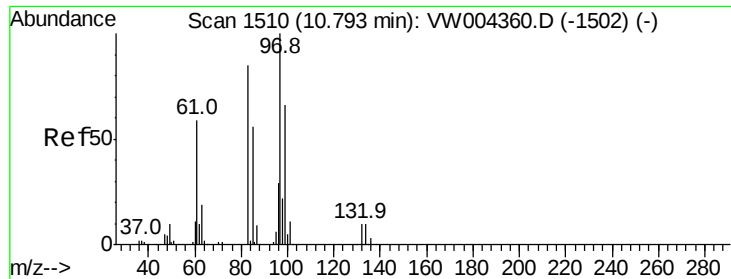
Tgt Ion: 75 Resp: 335105

Ion Ratio Lower Upper

75 100

77 32.1 23.9 44.5

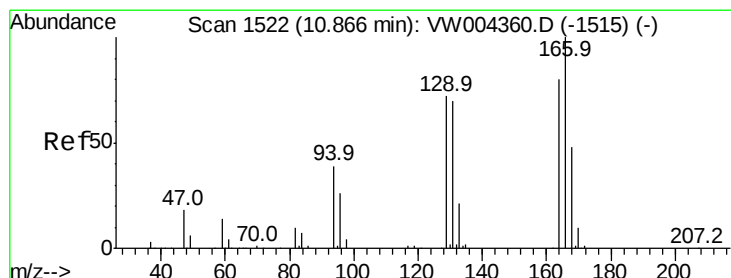
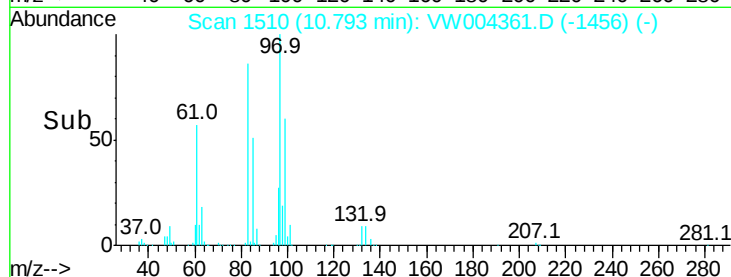
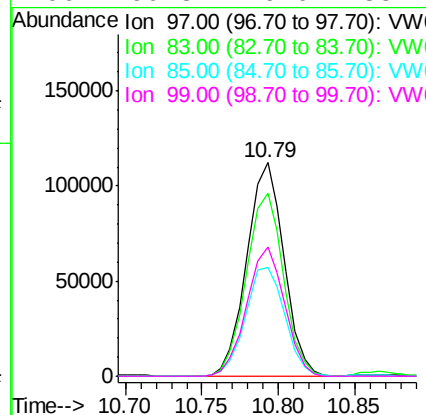
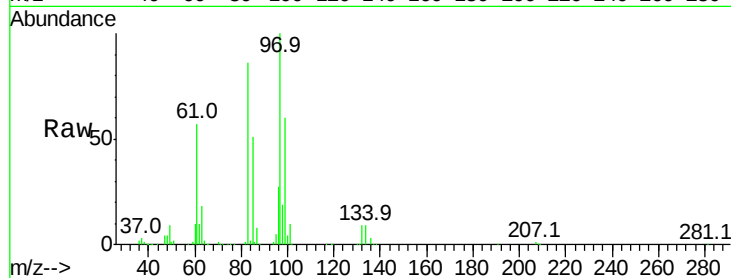




#46
 1,1,2-Trichloroethane
 Concen: 48.612 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004361.D
 Acq: 31 Jul 2018 16:37

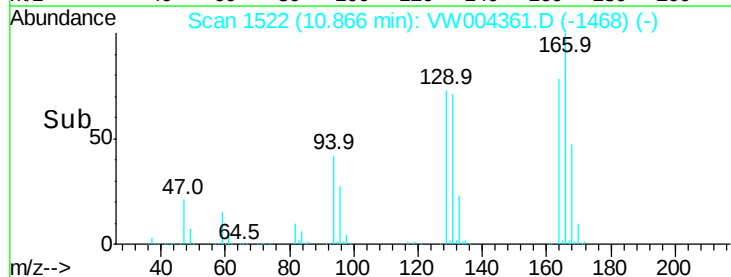
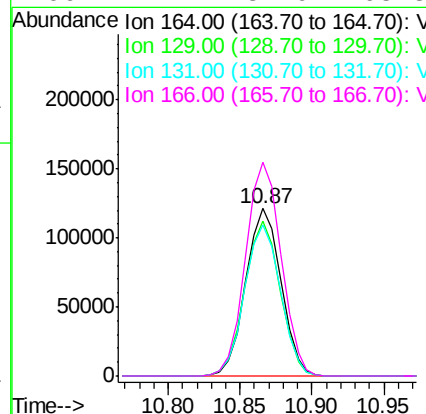
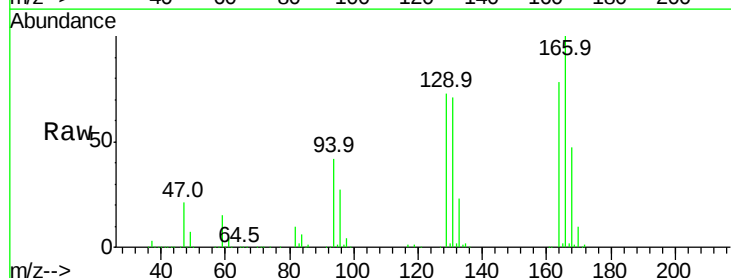
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05099

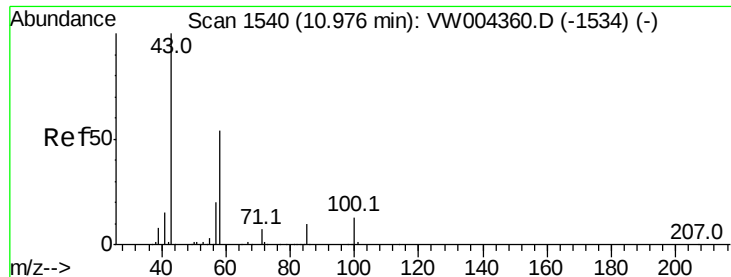
Tgt Ion:	97	Resp:	190127
Ion	Ratio	Lower	Upper
97	100		
83	85.6	59.4	110.2
85	51.1	39.0	72.4
99	60.3	46.0	85.4



#47
 Tetrachloroethene
 Concen: 52.531 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004361.D
 Acq: 31 Jul 2018 16:37

Tgt Ion:	164	Resp:	205100
Ion	Ratio	Lower	Upper
164	100		
129	92.9	63.7	118.3
131	90.2	61.6	114.4
166	127.7	87.9	163.3



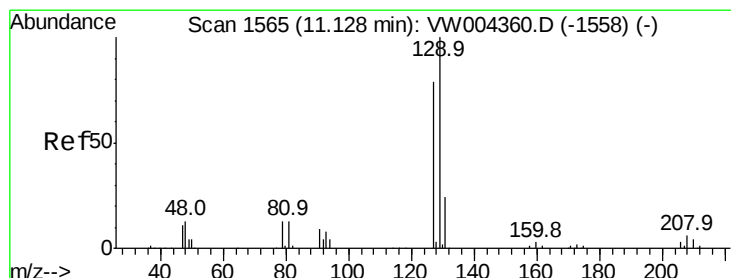
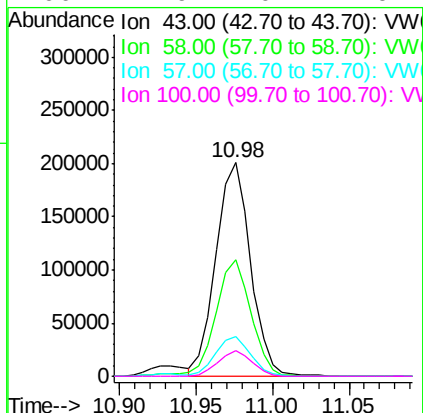
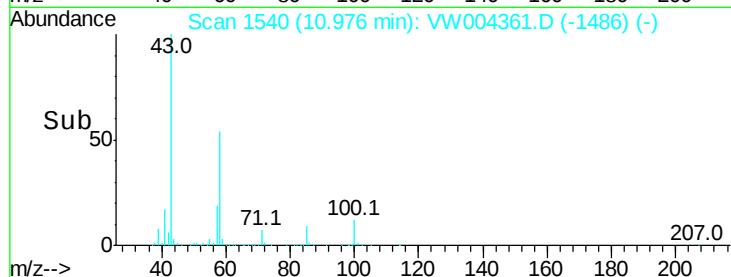
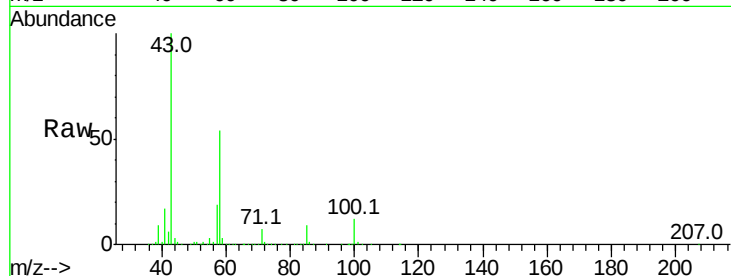


#49
2-Hexanone
Concen: 89.775 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD05099

Tgt Ion: 43 Resp: 315662

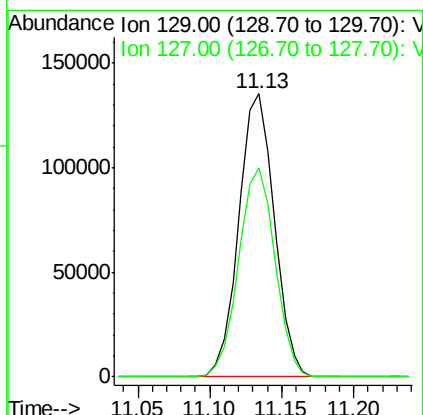
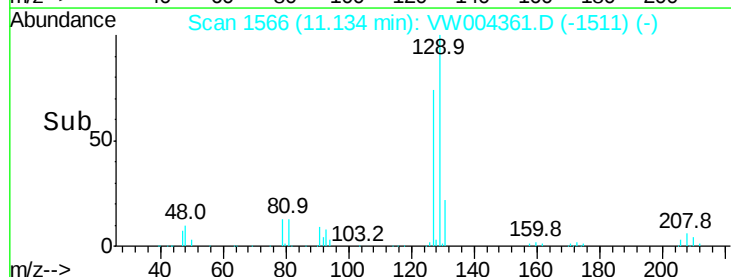
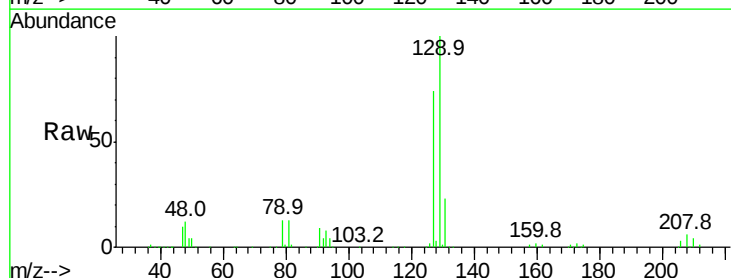
Ion	Ratio	Lower	Upper
43	100		
58	55.0	44.0	66.0
57	19.1	16.0	24.0
100	11.9	10.7	16.1

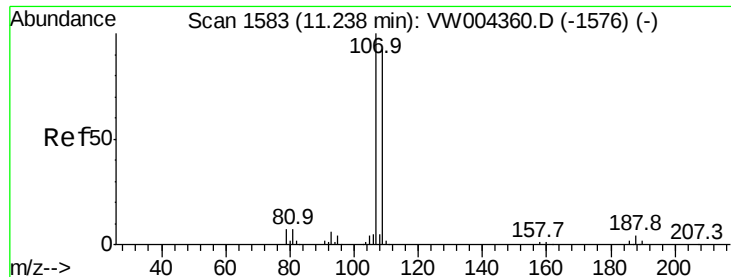


#50
Dibromochloromethane
Concen: 51.903 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

Tgt Ion: 129 Resp: 231528

Ion	Ratio	Lower	Upper
129	100		
127	73.7	55.6	103.2





#51

1,2-Dibromoethane

Concen: 49.243 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD05099

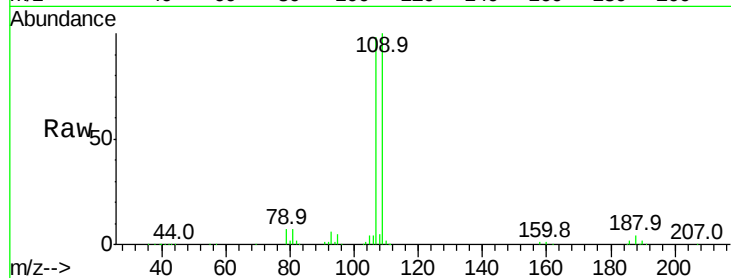
Tgt Ion:107 Resp: 187784

Ion Ratio Lower Upper

107 100

109 101.7 65.1 120.9

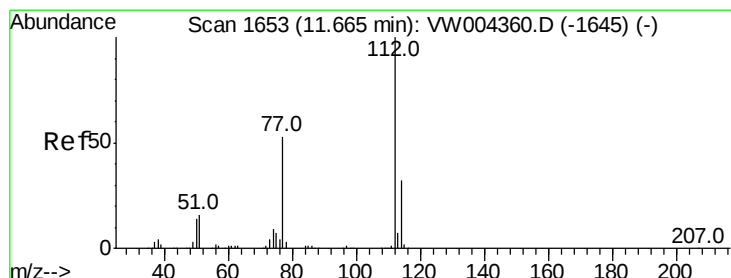
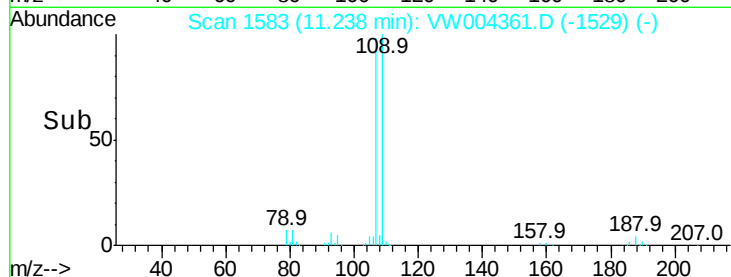
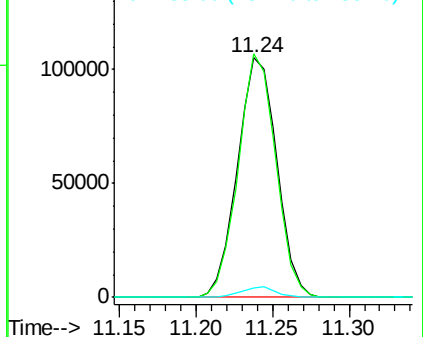
188 3.7 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 51.547 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

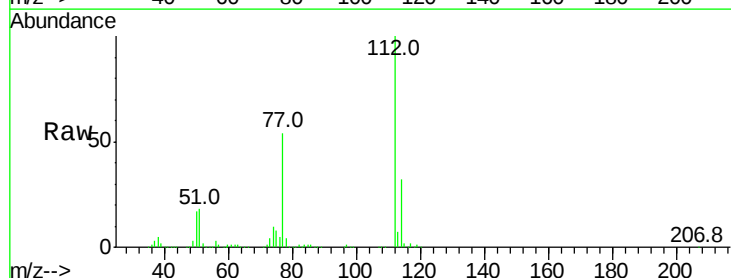
Tgt Ion:112 Resp: 644213

Ion Ratio Lower Upper

112 100

77 53.6 42.9 64.3

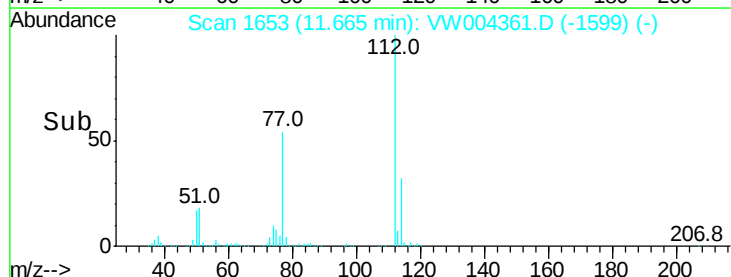
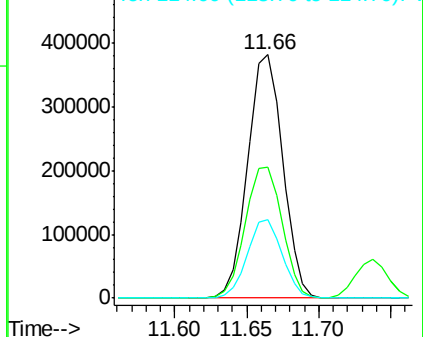
114 32.1 22.0 41.0

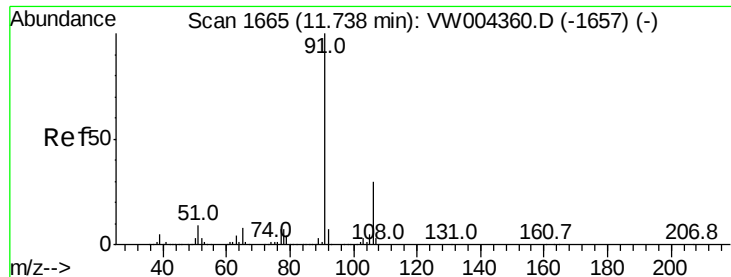


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 54.556 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

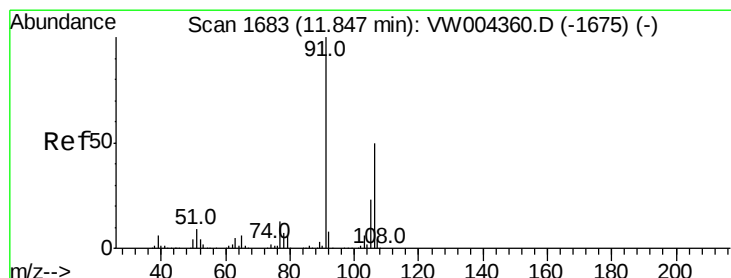
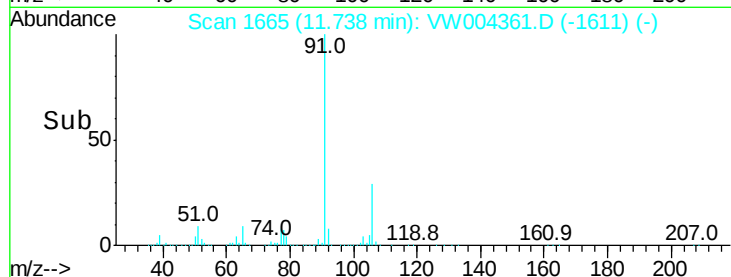
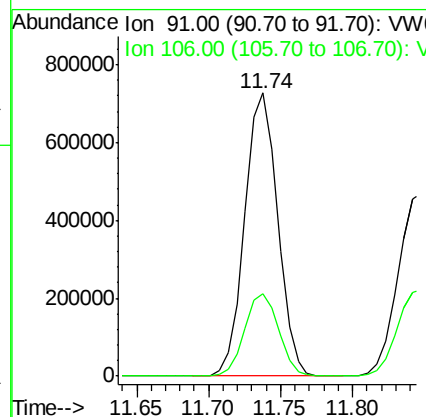
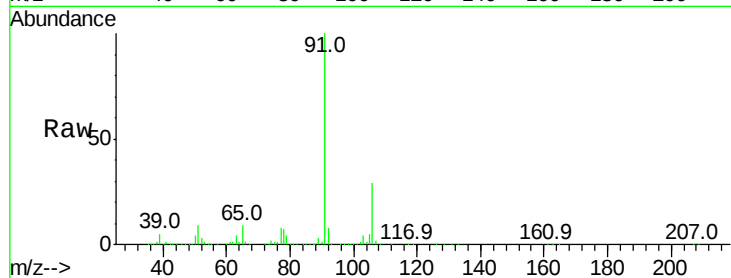
VSTD05099

Tgt Ion: 91 Resp: 1154370

Ion Ratio Lower Upper

91 100

106 29.0 20.7 38.5



#54

m,p-Xylene

Concen: 53.952 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004361.D

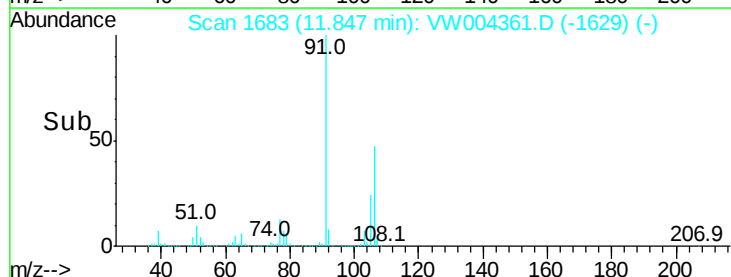
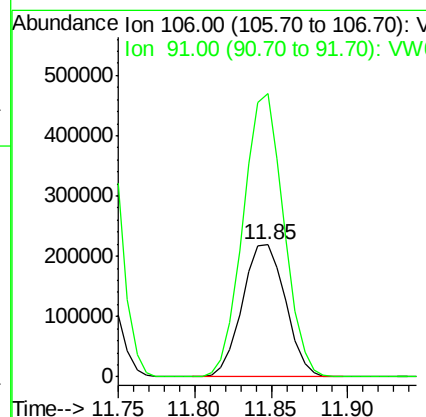
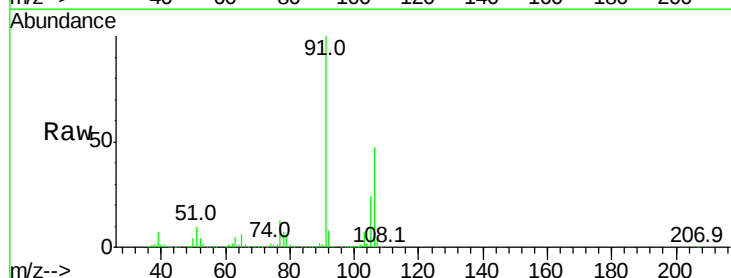
Acq: 31 Jul 2018 16:37

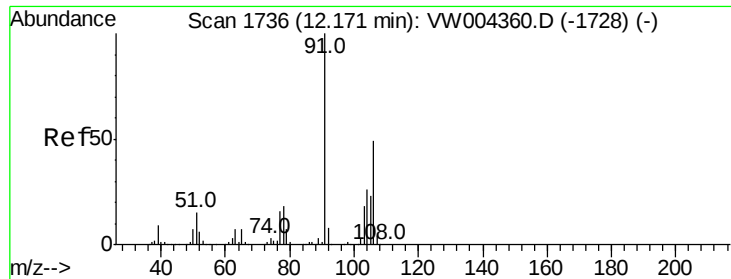
Tgt Ion:106 Resp: 429370

Ion Ratio Lower Upper

106 100

91 214.2 139.2 258.6

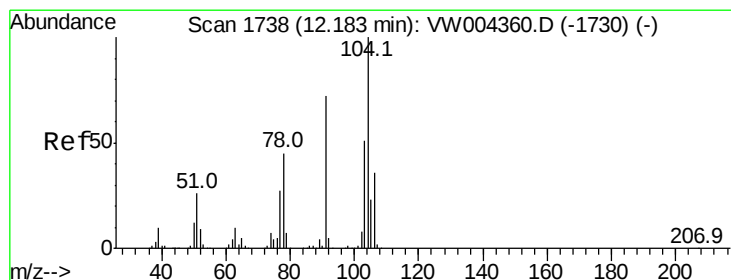
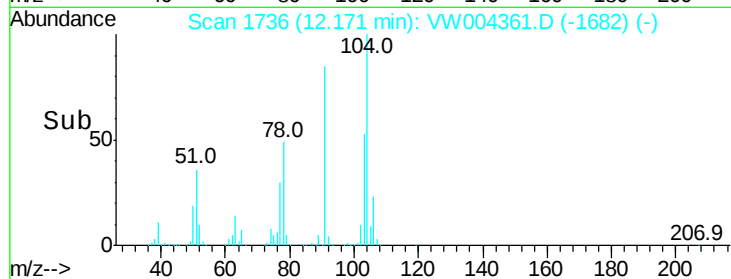
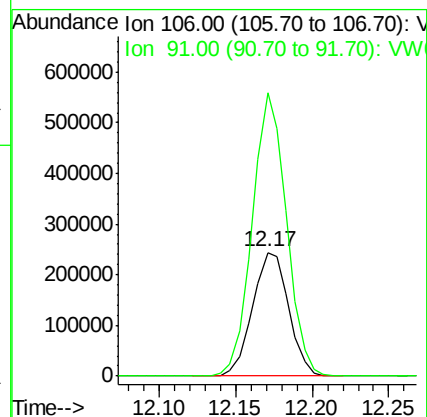
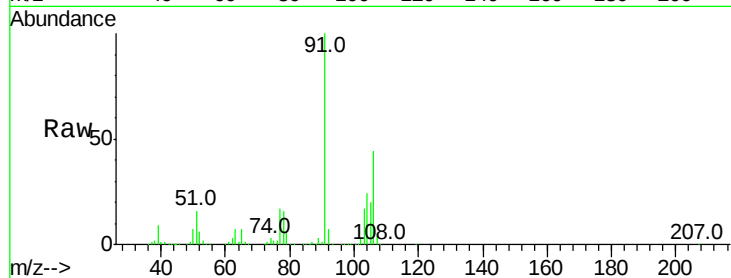




#55
o-xylene
Concen: 53.734 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

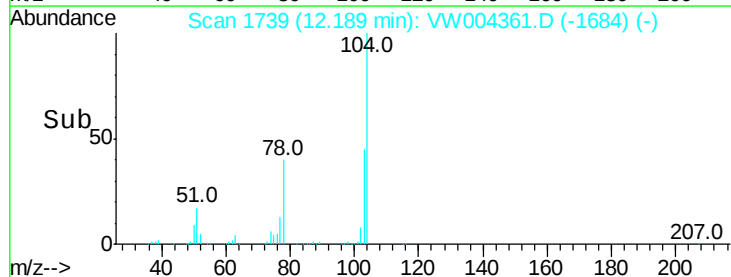
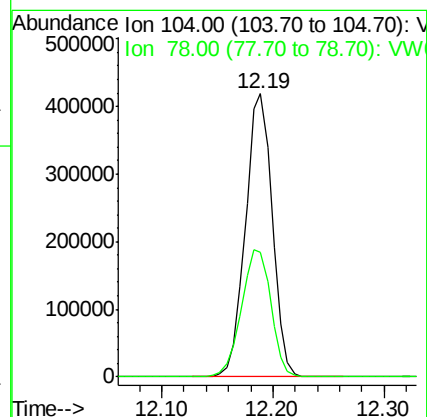
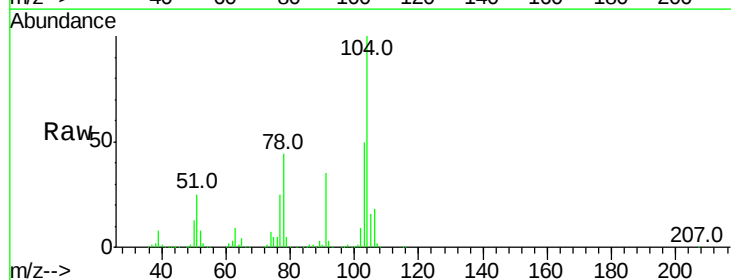
Instrument :
MSVOA_W
ClientSampled :
VSTD05099

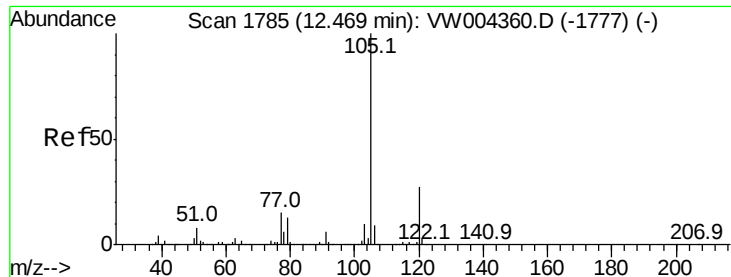
Tgt Ion:106 Resp: 400252
Ion Ratio Lower Upper
106 100
91 228.4 143.4 266.4



#56
Styrene
Concen: 54.085 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004361.D
Acq: 31 Jul 2018 16:37

Tgt Ion:104 Resp: 698260
Ion Ratio Lower Upper
104 100
78 44.1 31.7 58.9





#57

Isopropylbenzene

Concen: 57.255 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD05099

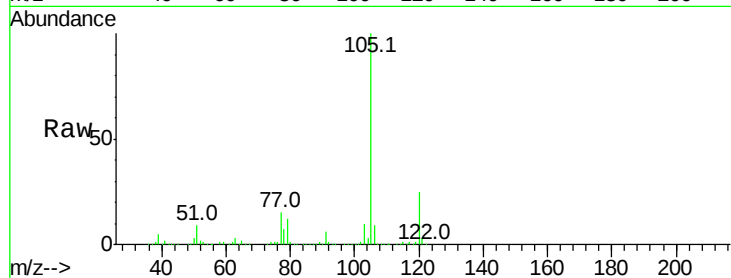
Tgt Ion:105 Resp: 1158633

Ion Ratio Lower Upper

105 100

120 26.4 21.8 32.8

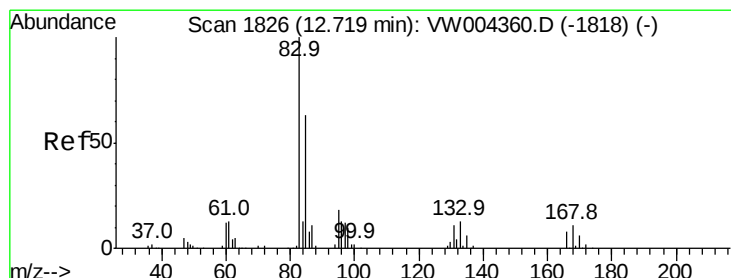
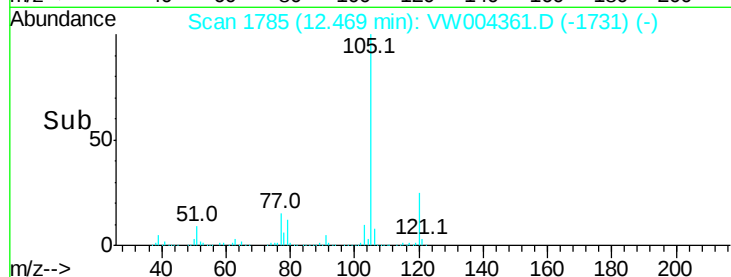
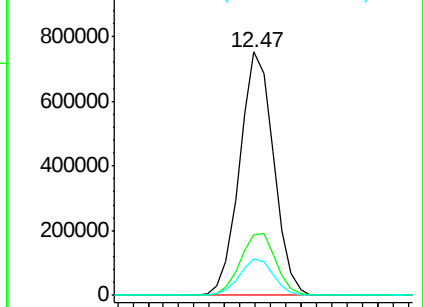
77 15.0 11.8 17.8



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: 48.493 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

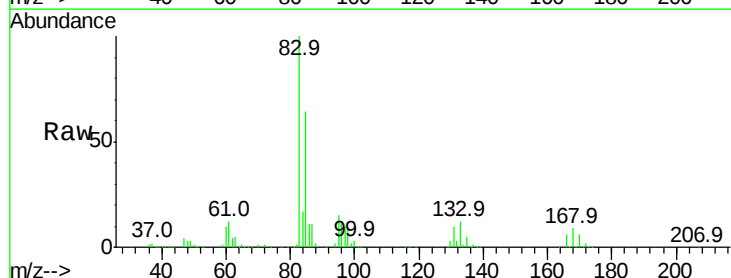
Tgt Ion: 83 Resp: 270379

Ion Ratio Lower Upper

83 100

85 64.4 44.3 82.3

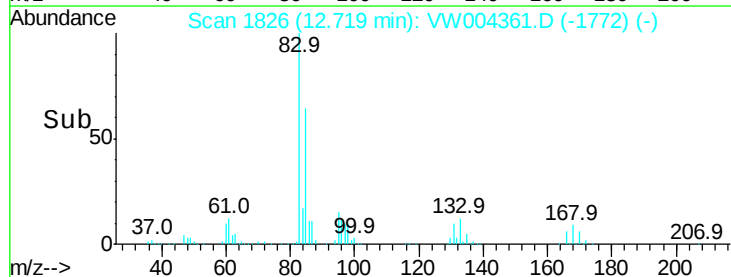
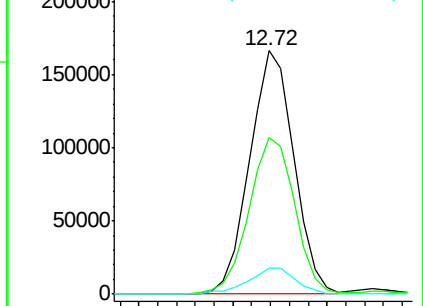
131 10.5 9.1 13.7

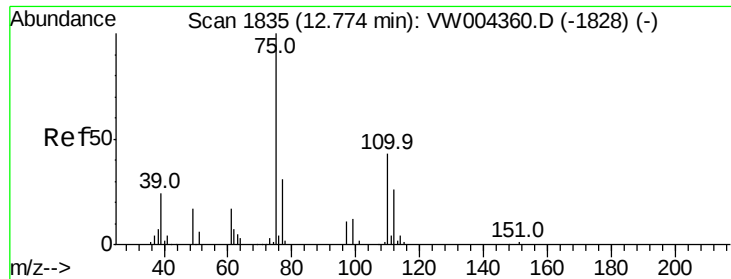


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.701 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampled :

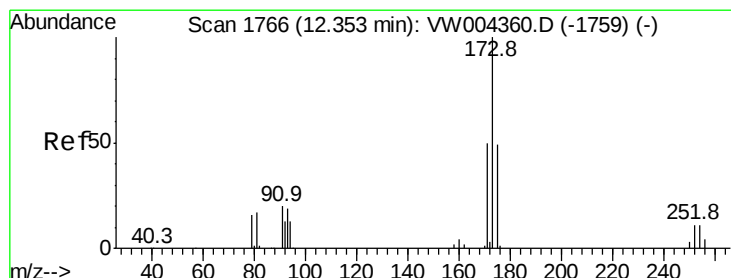
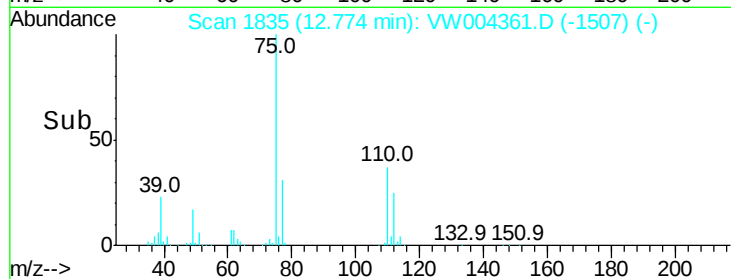
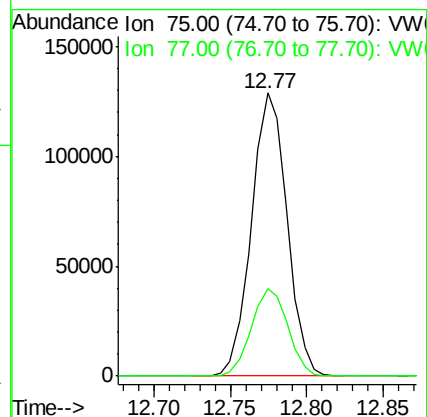
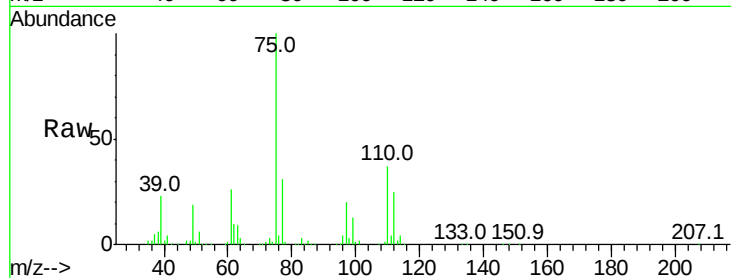
VSTD05099

Tgt Ion: 75 Resp: 208760

Ion Ratio Lower Upper

75 100

77 31.7 26.6 40.0



#62

Bromoform

Concen: 51.213 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

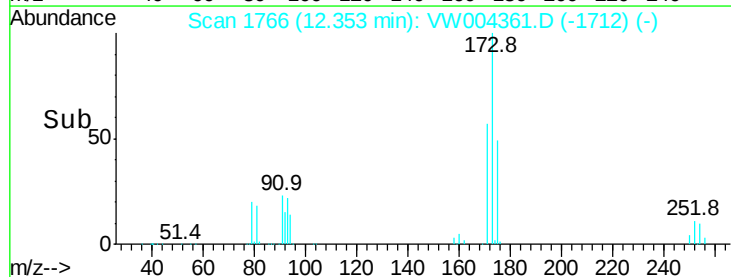
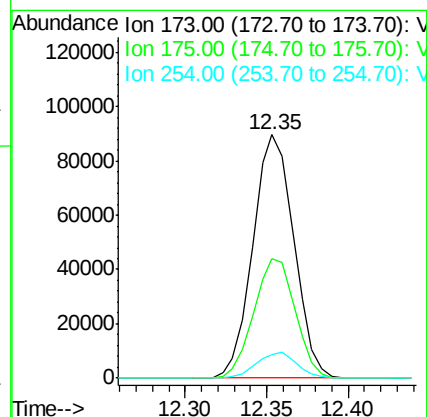
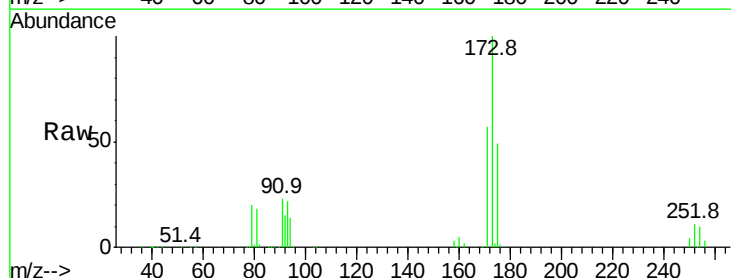
Tgt Ion: 173 Resp: 156628

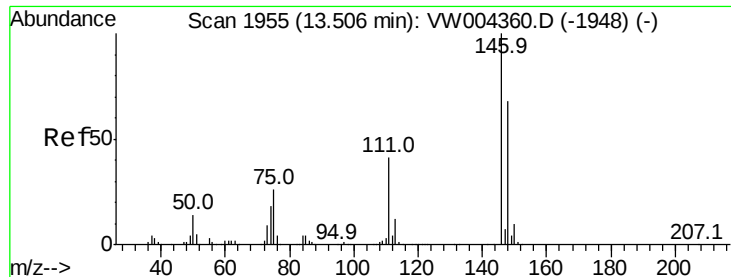
Ion Ratio Lower Upper

173 100

175 49.6 39.8 59.8

254 10.5 8.6 12.8

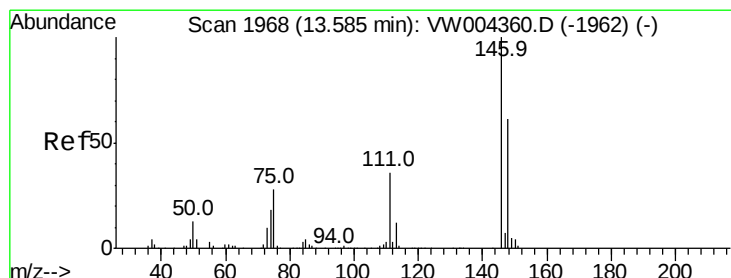
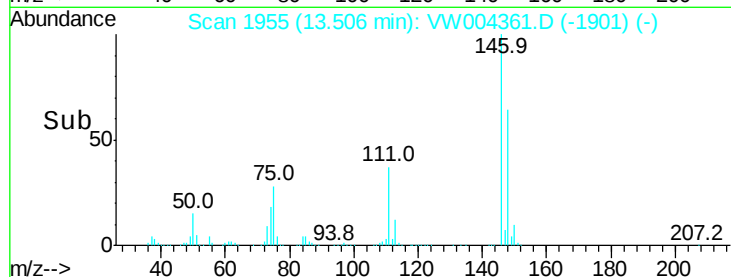
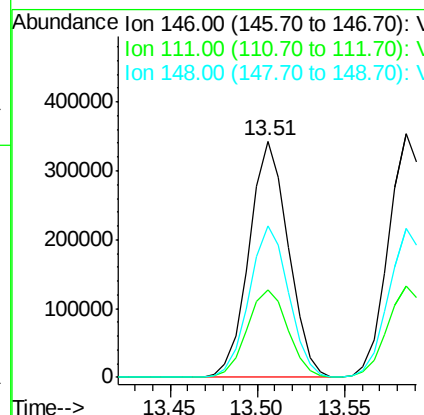
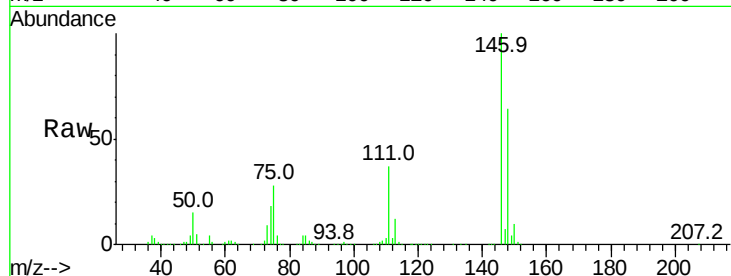




#63
 1,3-Dichlorobenzene
 Concen: 53.291 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004361.D
 Acq: 31 Jul 2018 16:37

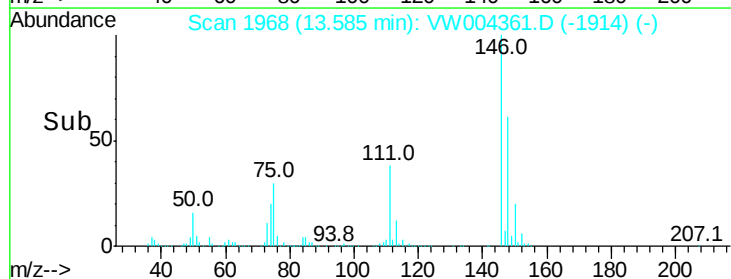
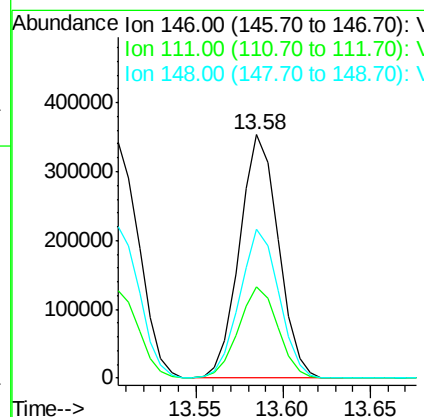
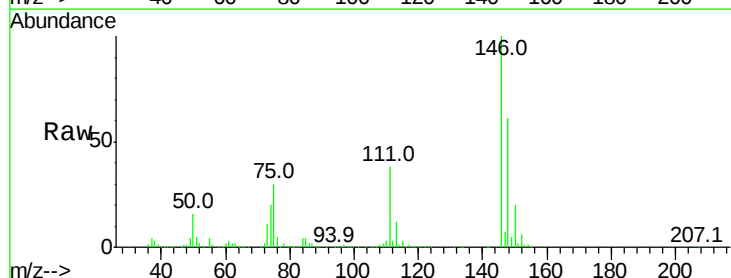
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05099

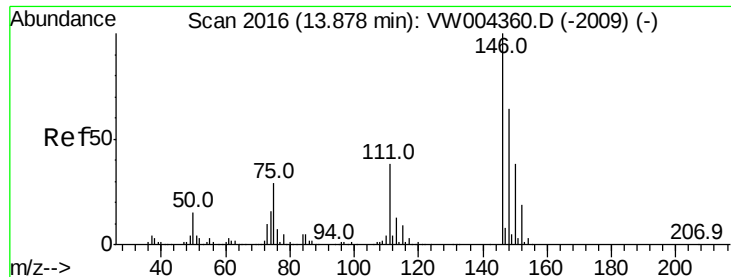
Tgt Ion:146 Resp: 534150
 Ion Ratio Lower Upper
 146 100
 111 36.9 28.6 53.2
 148 64.0 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 51.669 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004361.D
 Acq: 31 Jul 2018 16:37

Tgt Ion:146 Resp: 546845
 Ion Ratio Lower Upper
 146 100
 111 37.7 25.4 47.2
 148 61.4 42.8 79.6





#65

1,2-Dichlorobenzene

Concen: 51.479 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD05099

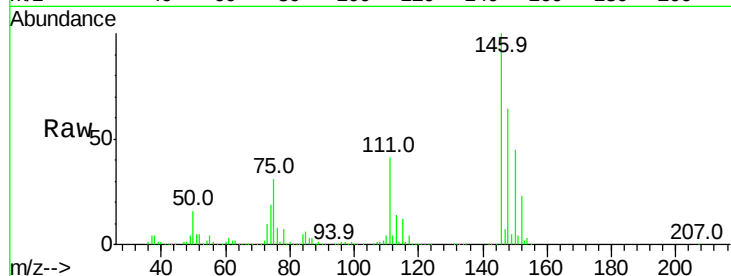
Tgt Ion:146 Resp: 502699

Ion Ratio Lower Upper

146 100

111 40.9 30.2 45.4

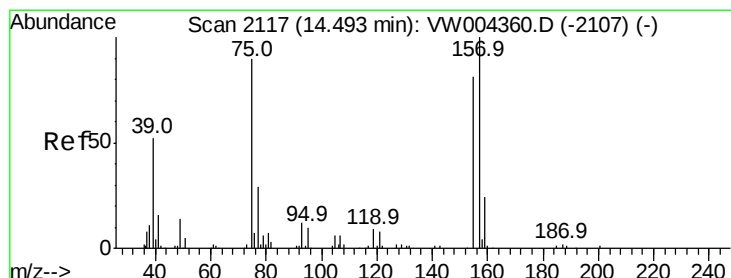
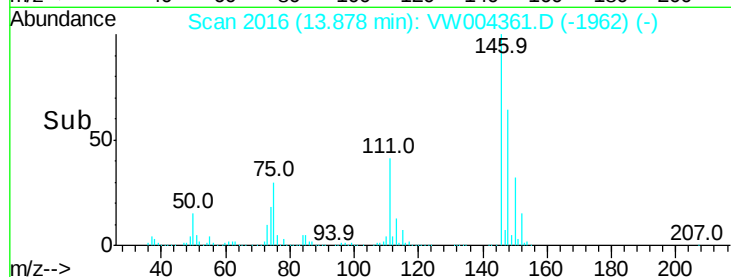
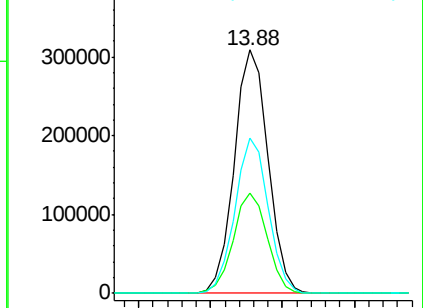
148 63.6 51.0 76.4



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: 48.929 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

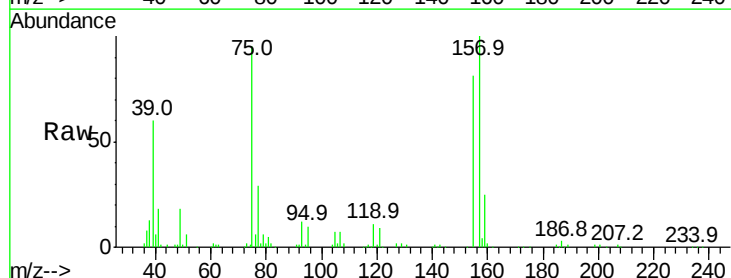
Tgt Ion: 75 Resp: 53660

Ion Ratio Lower Upper

75 100

157 105.2 88.6 132.8

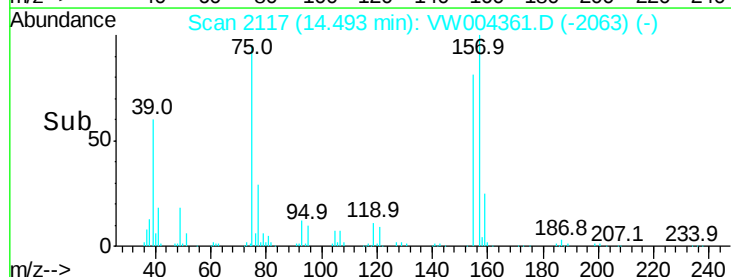
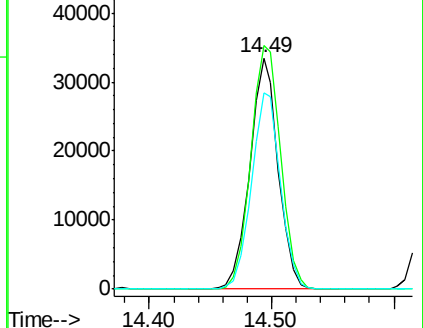
155 85.1 71.8 107.6

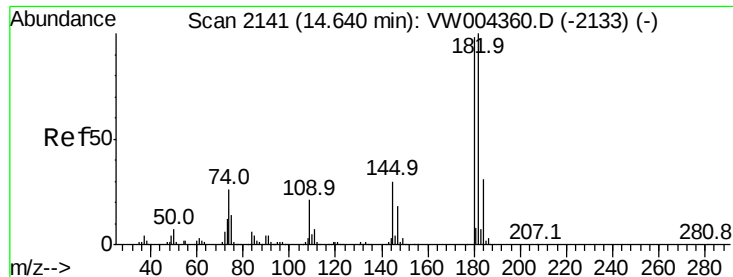


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

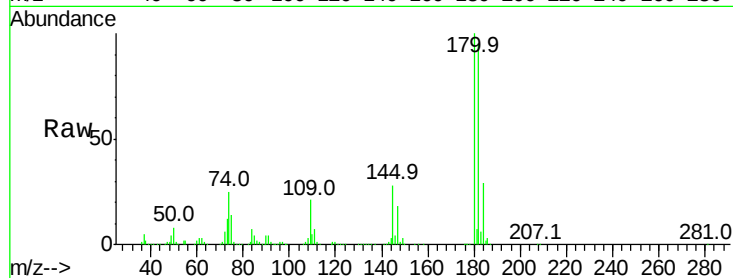




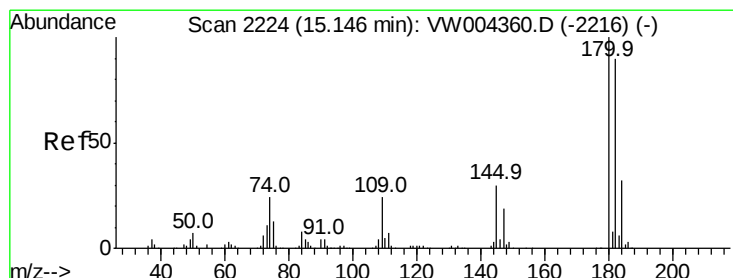
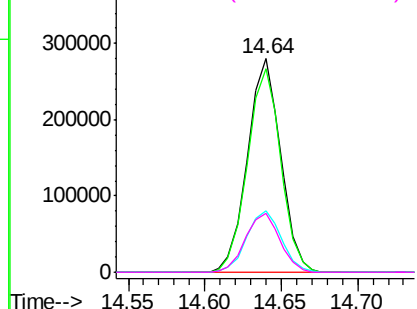
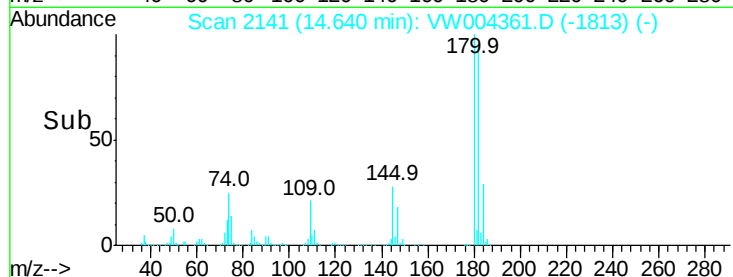
#67
 1,3,5-Trichlorobenzene
 Concen: 54.401 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004361.D
 Acq: 31 Jul 2018 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05099

Tgt Ion:	180	Resp:	421788
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.7	116.5
184	30.1	24.6	37.0
145	28.6	23.6	35.4

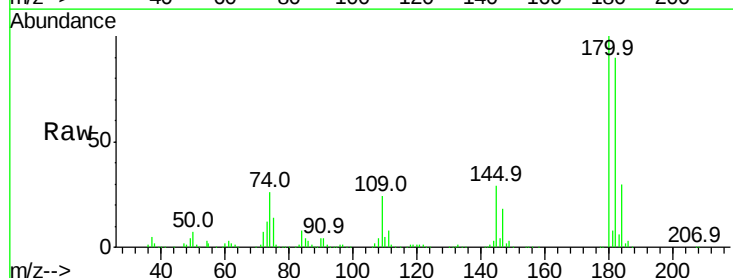


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

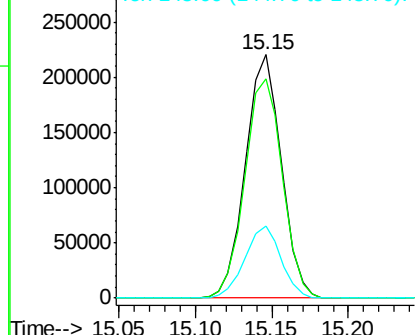
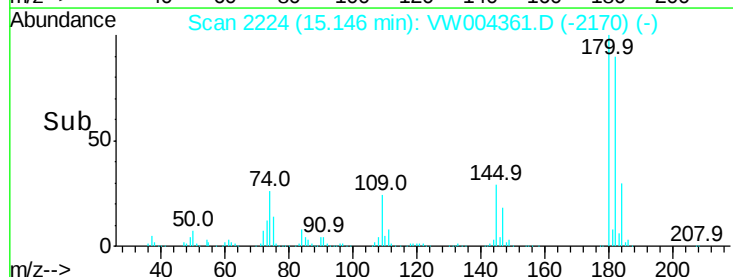


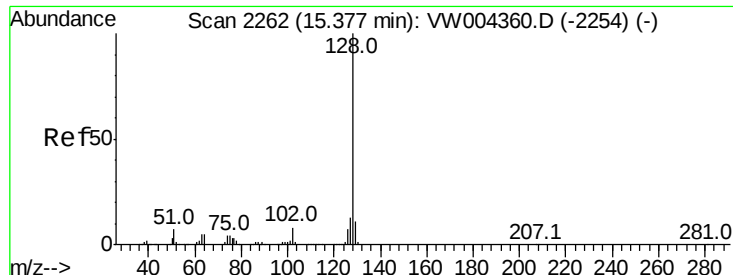
#68
 1,2,4-trichlorobenzene
 Concen: 56.842 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004361.D
 Acq: 31 Jul 2018 16:37

Tgt Ion:	180	Resp:	359424
Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.5	113.3
145	29.8	24.2	36.2



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





#69

Naphthalene

Concen: 59.660 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD05099

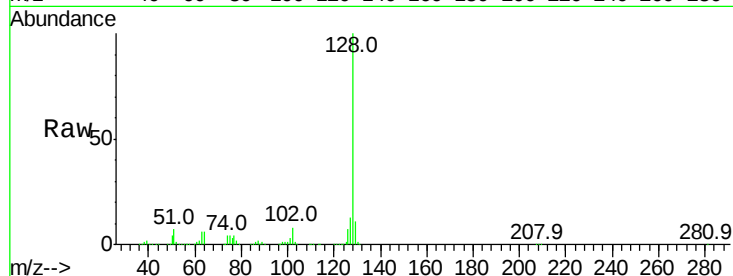
Tgt Ion:128 Resp: 866815

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

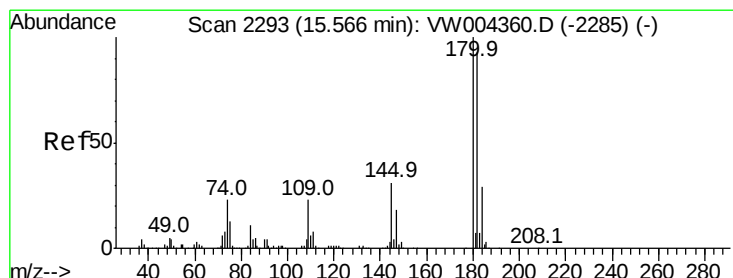
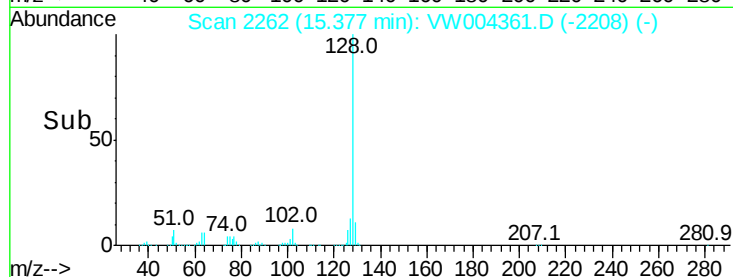
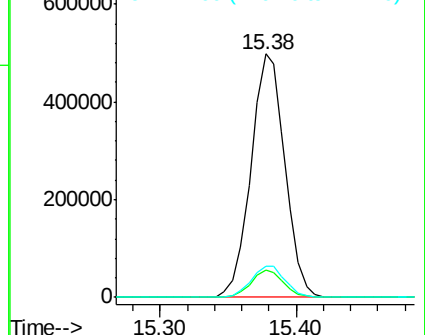
127 13.1 10.4 15.6



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: 50.510 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004361.D

Acq: 31 Jul 2018 16:37

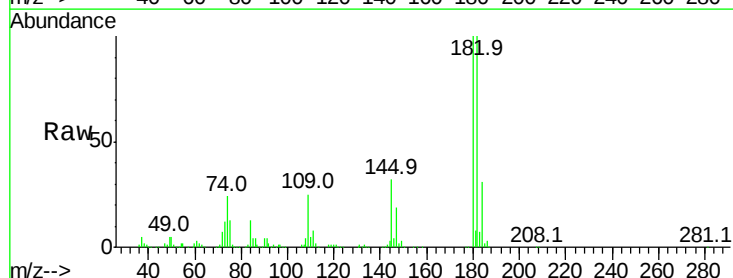
Tgt Ion:180 Resp: 308974

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 31.3 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

