

Data File : VW003344.D
Acq On : 20 Jun 2018 10:03
Operator : SY/AP
Sample : VSTD00587
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00587

Quant Time: Jun 20 11:36:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 20 11:34:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	385430	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	360857	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	177287	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	27100	5.48	ug/L	0.00
7) Chloroethane-d5	2.89	69	22393	4.65	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	55118	5.57	ug/L	0.00
20) 2-Butanone-d5	7.09	46	18045	10.63	ug/L	0.00
24) Chloroform-d	7.65	84	55061	5.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	33322	5.50	ug/L	0.00
29) Benzene-d6	8.27	84	101643	5.32	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	32489	5.38	ug/L	0.00
37) Toluene-d8	10.33	98	94143	5.08	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	14884	5.20	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	12204	9.09	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	30123	5.14	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	36593	5.24	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	10928	6.814	ug/L	92
3) Chloromethane	2.21	50	25761	6.406	ug/L	100
5) Vinyl chloride	2.36	62	36284	5.814	ug/L	99
6) Bromomethane	2.78	94	21014	5.269	ug/L	99
8) Chloroethane	2.92	64	22385	5.362	ug/L	97
9) Trichlorofluoromethane	3.25	101	20842	5.157	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	27663	5.746	ug/L #	83
12) 1,1-Dichloroethene	4.03	96	25898	5.676	ug/L	92
13) Acetone	4.15	43	17675	10.204	ug/L	81
14) Carbon disulfide	4.37	76	83118	5.618	ug/L	97
15) Methyl Acetate	4.68	43	15239	5.648	ug/L #	83
16) Methylene chloride	4.92	84	29937	5.091	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	44399	5.122	ug/L #	88
18) trans-1,2-Dichloroethene	5.41	96	16066	3.348	ug/L	96
19) 1,1-Dichloroethane	6.21	63	50435	5.773	ug/L	97
21) 2-Butanone	7.18	43	20929	10.641	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	27738	5.463	ug/L	96
23) Bromochloromethane	7.51	128	13297	5.516	ug/L	86
25) Chloroform	7.68	83	50988	5.525	ug/L	99
27) 1,2-Dichloroethane	8.40	62	37000	5.583	ug/L #	95
30) Cyclohexane	7.96	56	40474	5.070	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	42174	5.546	ug/L	100
32) Carbon tetrachloride	8.07	117	39755	5.443	ug/L	99
34) Benzene	8.32	78	107581	5.439	ug/L	100
35) Trichloroethene	9.10	95	29137	5.515	ug/L	98
36) Methylcyclohexane	9.34	83	47287	5.207	ug/L	98
40) 1,2-Dichloropropane	9.37	63	28876	5.672	ug/L	99
41) Bromodichloromethane	9.65	83	35408	5.373	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	39586	5.038	ug/L	94
43) 4-Methyl-2-pentanone	10.22	43	37093	9.608	ug/L	100

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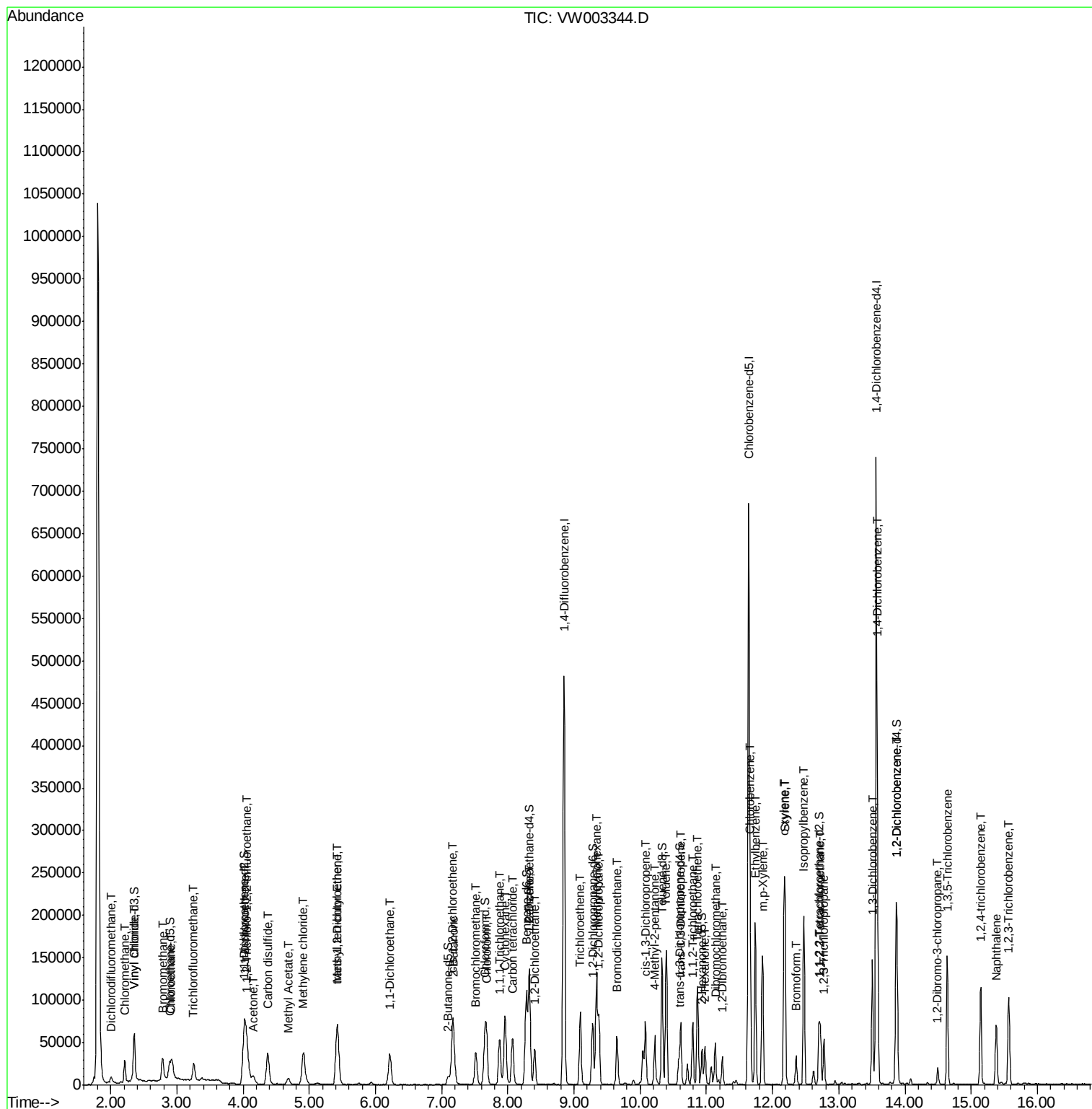
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	113769	5.286	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	36290	5.133	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	21199	5.406	ug/L	96
47) Tetrachloroethene	10.87	164	24994	5.641	ug/L	99
49) 2-Hexanone	10.98	43	26195	9.396	ug/L	98
50) Dibromochloromethane	11.13	129	24886	5.211	ug/L	93
51) 1,2-Dibromoethane	11.24	107	20605	5.305	ug/L	100
52) Chlorobenzene	11.66	112	75279	5.356	ug/L	96
53) Ethylbenzene	11.74	91	125502	5.144	ug/L	97
54) m,p-Xylene	11.85	106	45934	5.090	ug/L	97
55) o-xylene	12.17	106	42059	4.901	ug/L	97
56) Styrene	12.19	104	74228	4.964	ug/L	99
57) Isopropylbenzene	12.47	105	118927	4.965	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	27700	5.336	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	21233	5.370	ug/L	97
62) Bromoform	12.36	173	15407	5.331	ug/L #	96
63) 1,3-Dichlorobenzene	13.51	146	56724	5.379	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	60362	5.476	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	55821	5.599	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	4724	5.528	ug/L	92
67) 1,3,5-Trichlorobenzene	14.64	180	44773	5.422	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	35435	5.245	ug/L	99
69) Naphthalene	15.38	128	59856	4.664	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	33505	5.339	ug/L	99

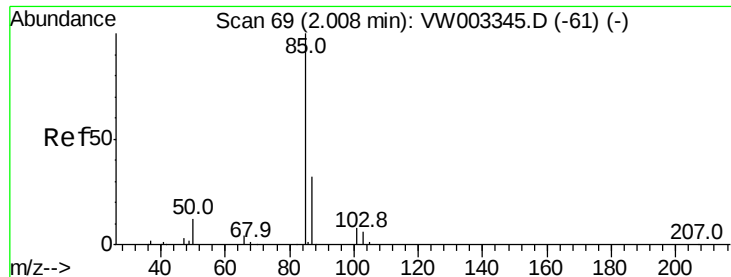
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.814 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

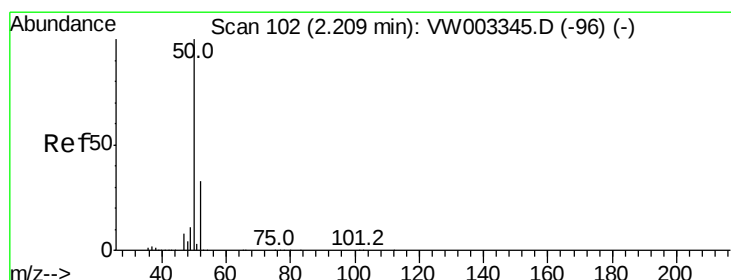
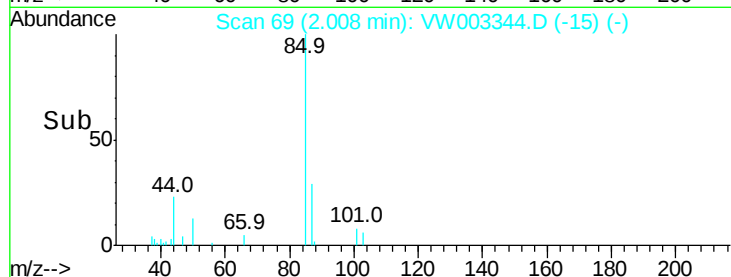
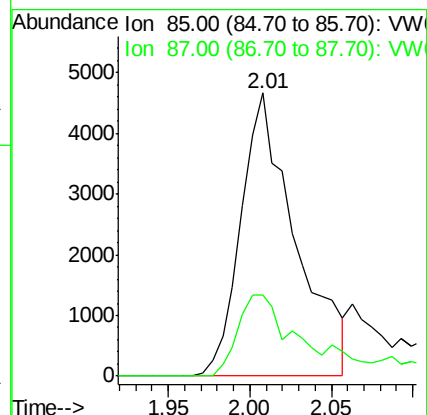
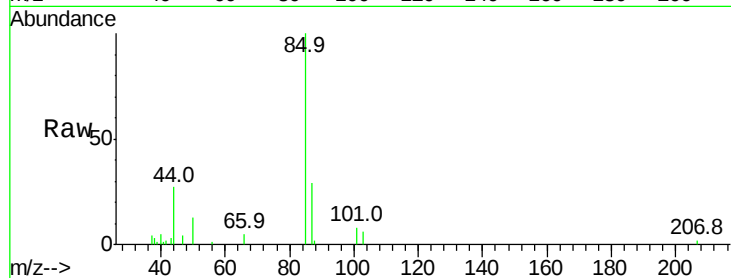
VSTD00587

Tgt Ion: 85 Resp: 10928

Ion Ratio Lower Upper

85 100

87 20.5 17.1 31.7



#3

Chloromethane

Concen: 6.406 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003344.D

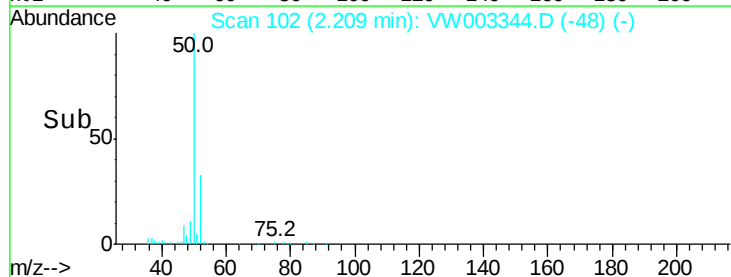
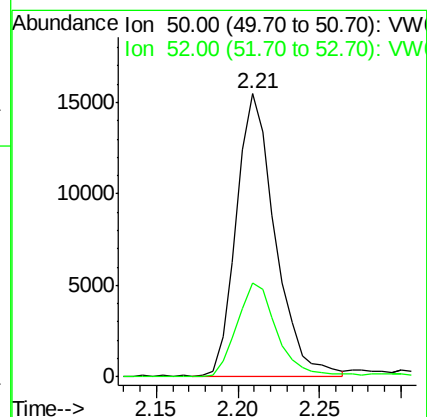
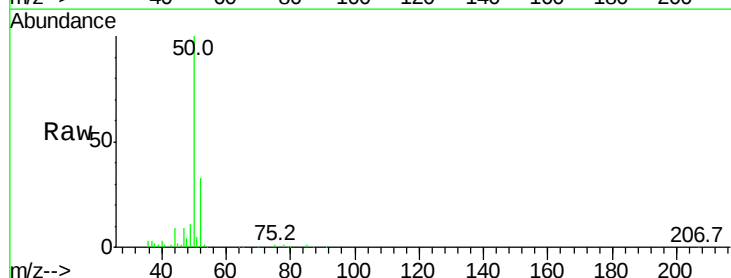
Acq: 20 Jun 2018 10:03

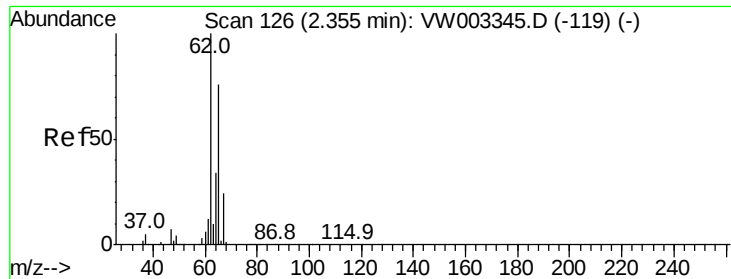
Tgt Ion: 50 Resp: 25761

Ion Ratio Lower Upper

50 100

52 33.3 23.3 43.3





#5

Vinyl chloride

Concen: 5.814 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

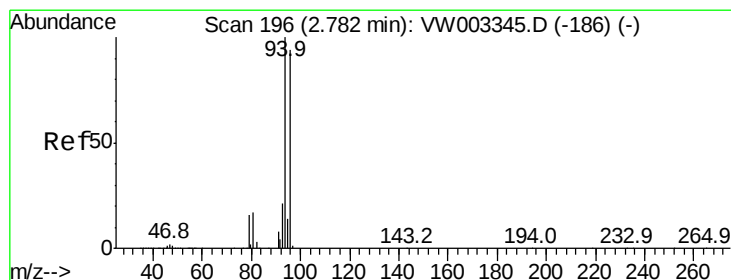
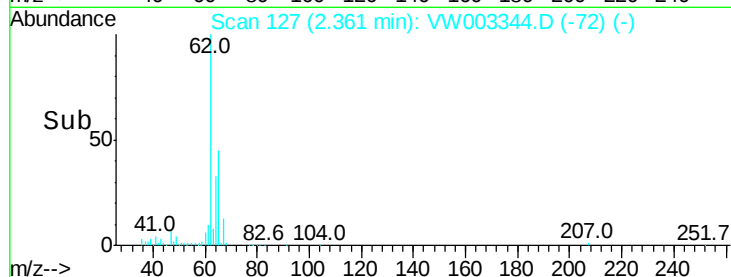
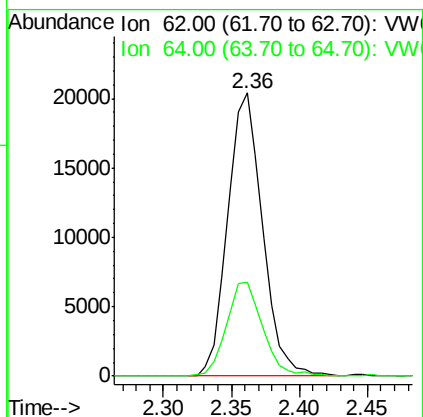
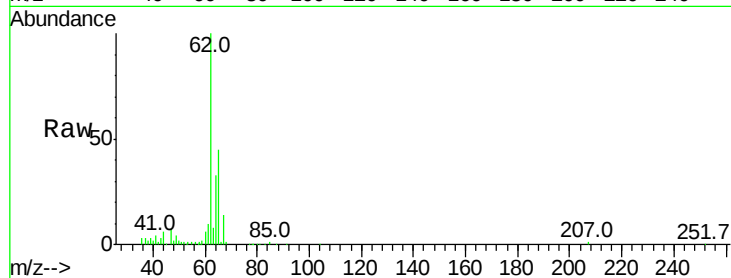
VSTD00587

Tgt Ion: 62 Resp: 36284

Ion Ratio Lower Upper

62 100

64 33.1 23.5 43.7



#6

Bromomethane

Concen: 5.269 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003344.D

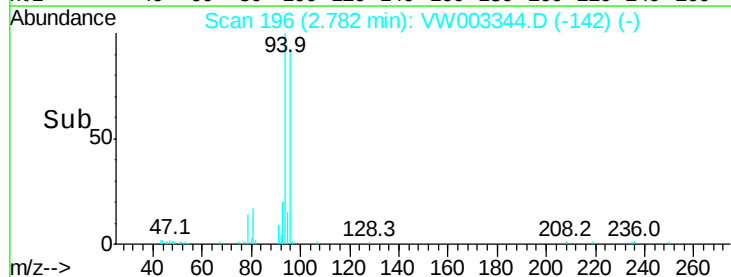
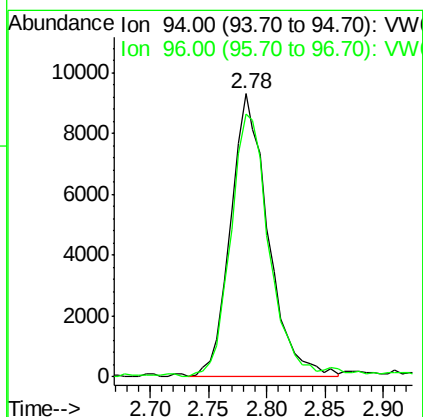
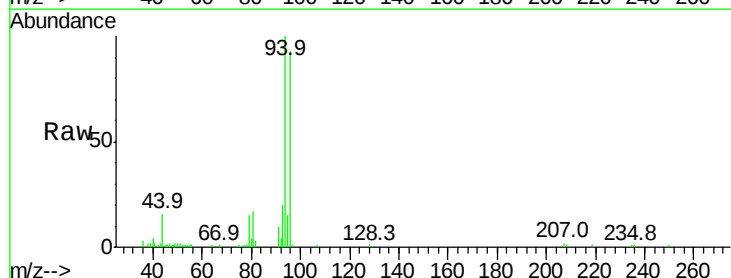
Acq: 20 Jun 2018 10:03

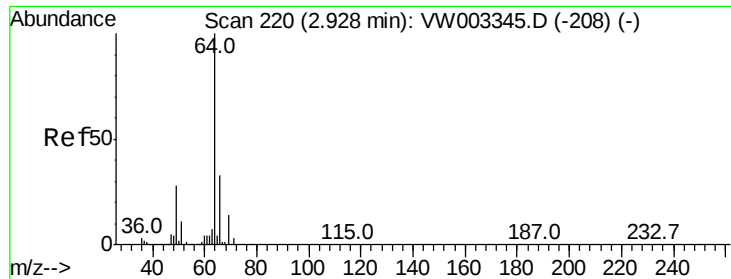
Tgt Ion: 94 Resp: 21014

Ion Ratio Lower Upper

94 100

96 94.0 9.5 180.3





#8

Chloroethane

Concen: 5.362 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

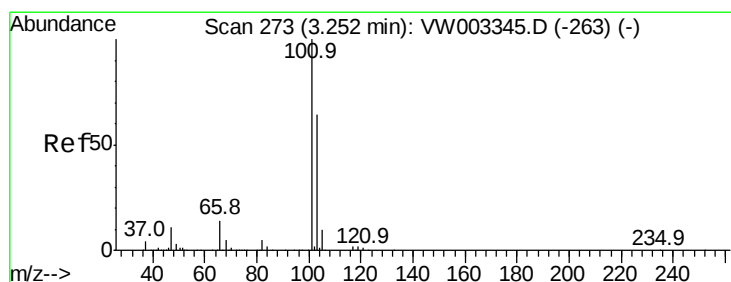
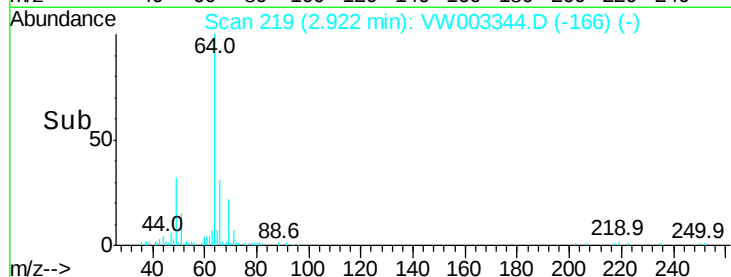
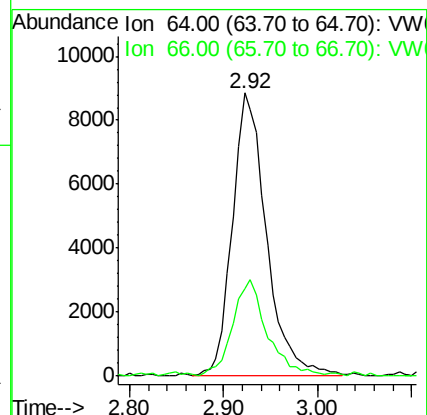
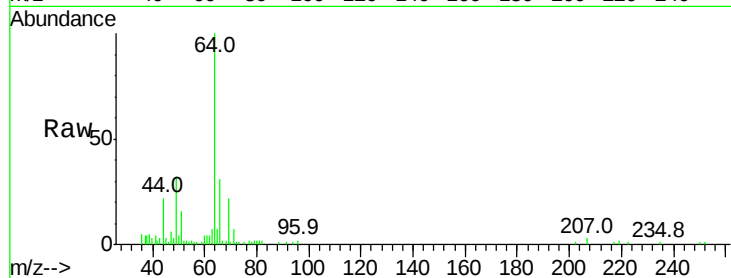
VSTD00587

Tgt Ion: 64 Resp: 22385

Ion Ratio Lower Upper

64 100

66 31.1 22.9 42.5



#9

Trichlorofluoromethane

Concen: 5.157 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.00 min

Lab File: VW003344.D

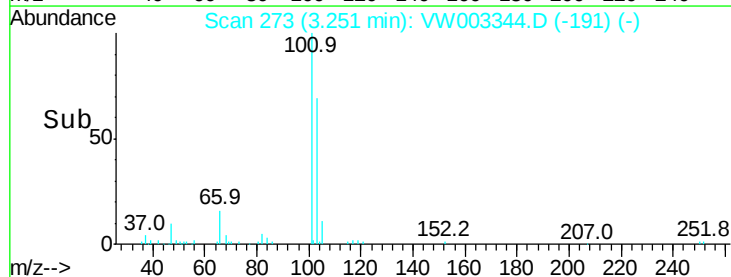
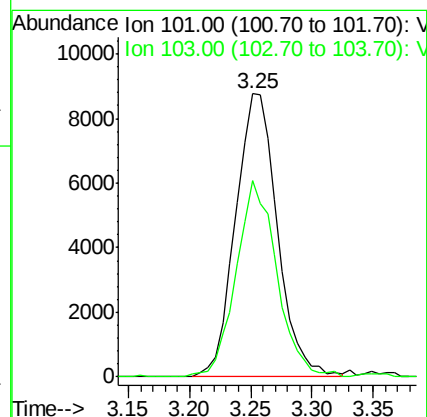
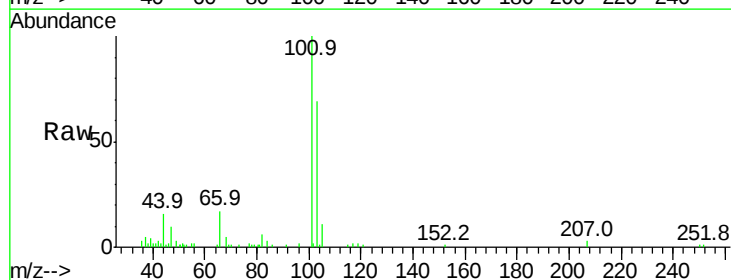
Acq: 20 Jun 2018 10:03

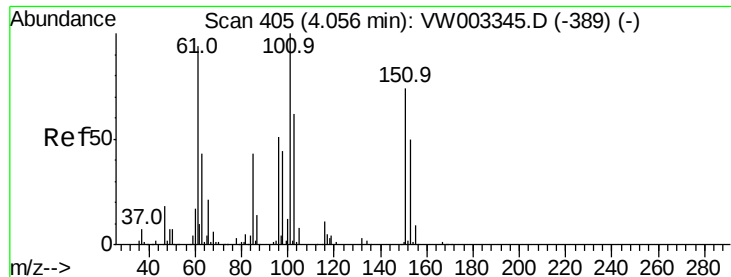
Tgt Ion: 101 Resp: 20842

Ion Ratio Lower Upper

101 100

103 66.7 45.1 83.7





#11

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

Concen: 5.746 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD00587

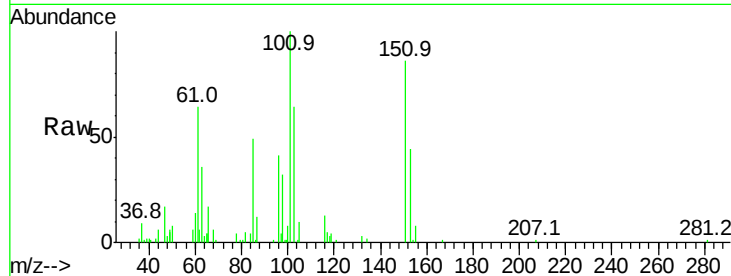
Tgt Ion:101 Resp: 27663

Ion Ratio Lower Upper

101 100

85 15.5 35.4 53.0#

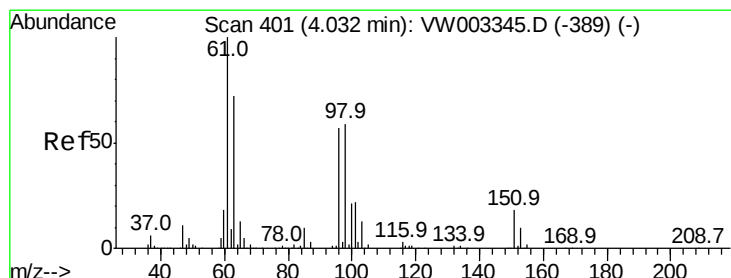
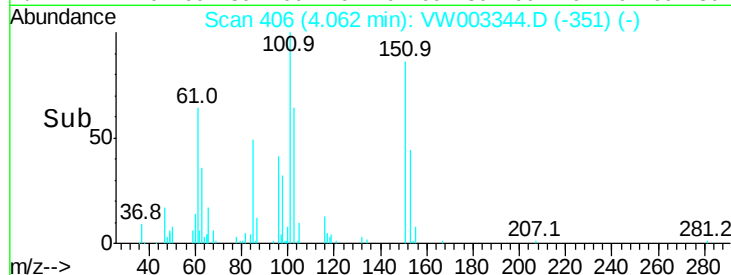
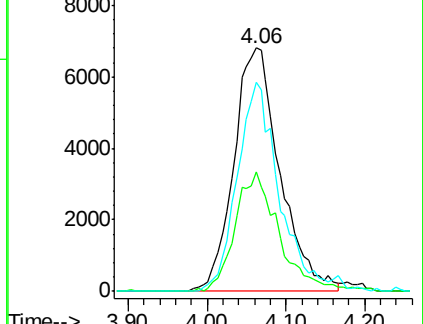
151 75.1 61.4 92.0



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: 5.676 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

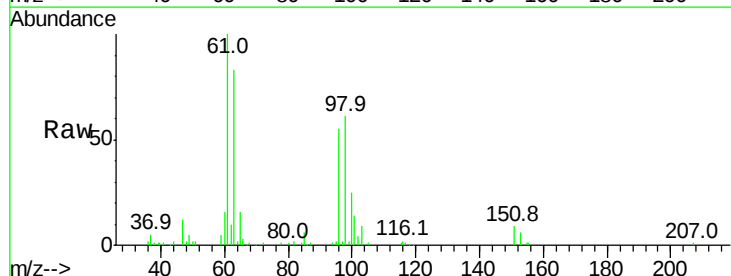
Tgt Ion: 96 Resp: 25898

Ion Ratio Lower Upper

96 100

61 181.6 124.1 230.5

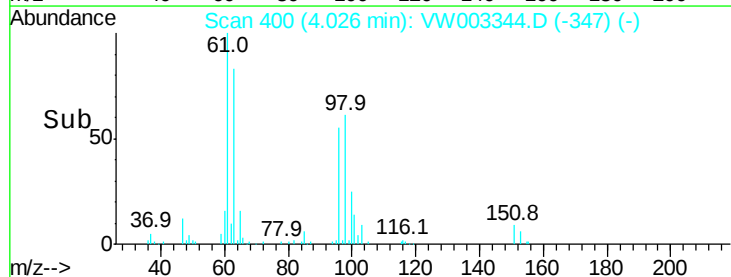
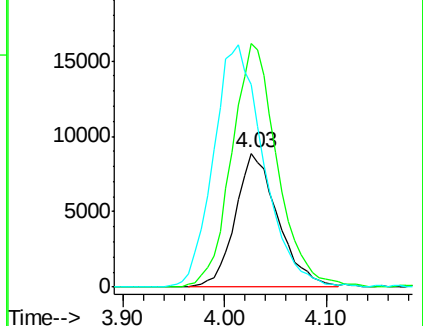
63 151.0 93.1 172.9

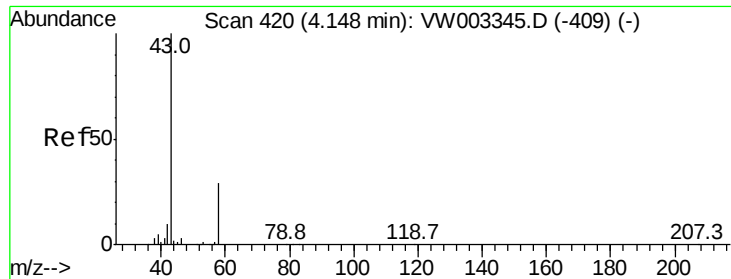


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 10.204 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

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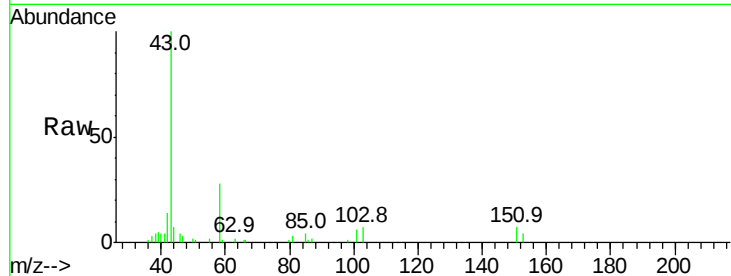
VSTD00587

Tgt Ion: 43 Resp: 17675

Ion Ratio Lower Upper

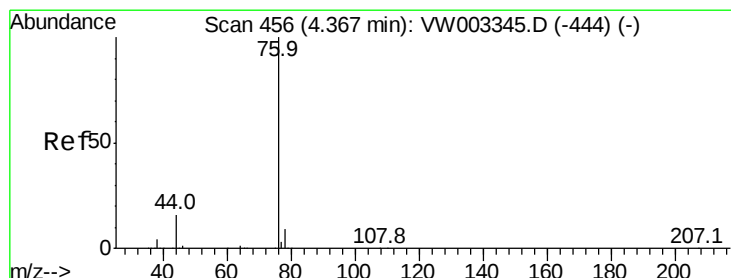
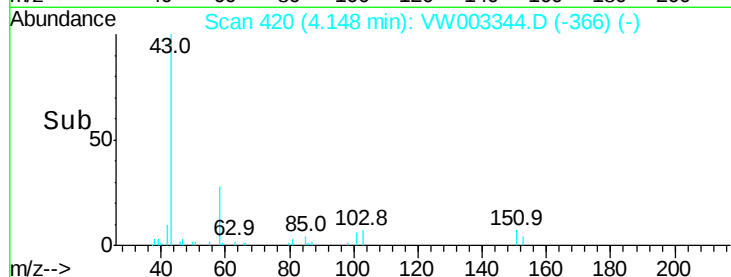
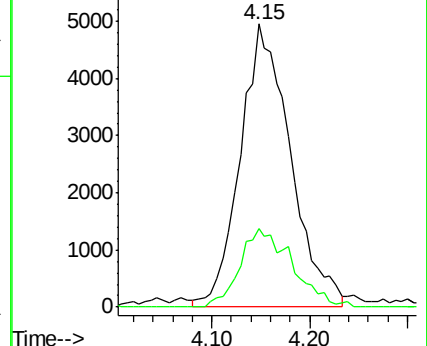
43 100

58 19.0 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.618 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003344.D

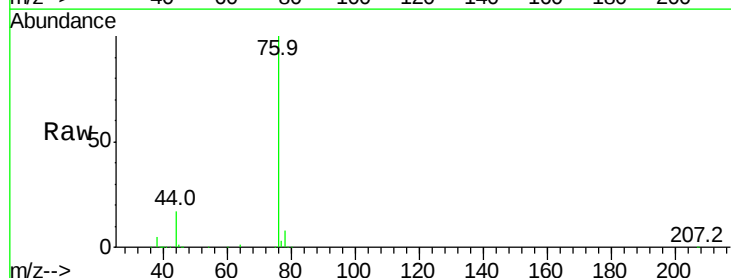
Acq: 20 Jun 2018 10:03

Tgt Ion: 76 Resp: 83118

Ion Ratio Lower Upper

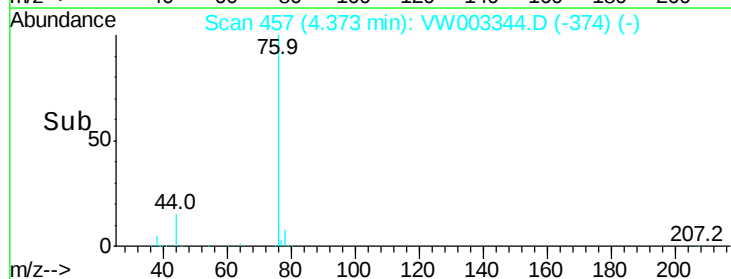
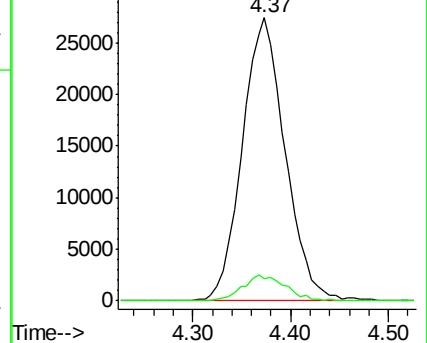
76 100

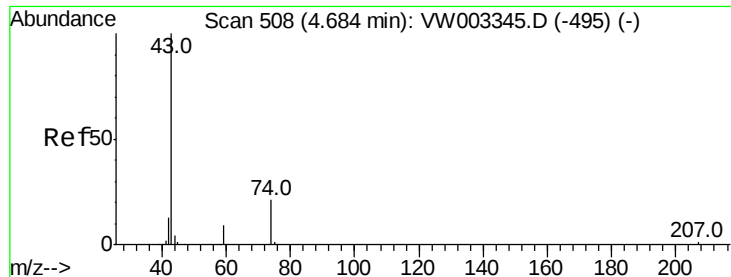
78 7.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

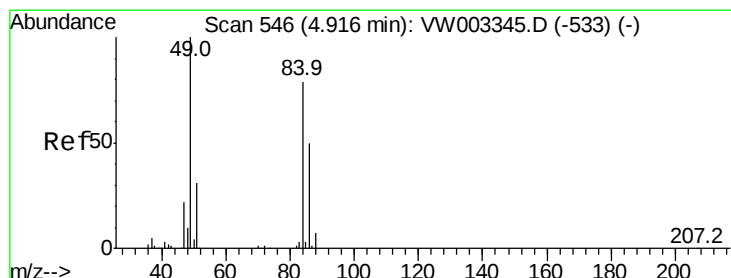
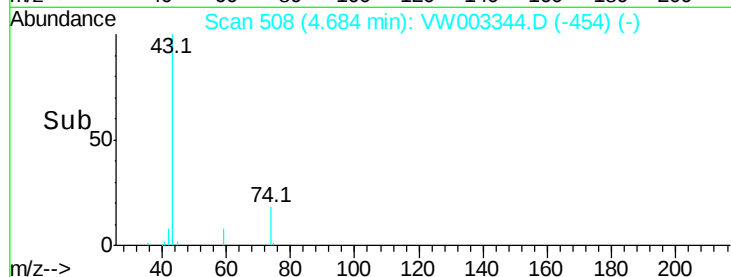
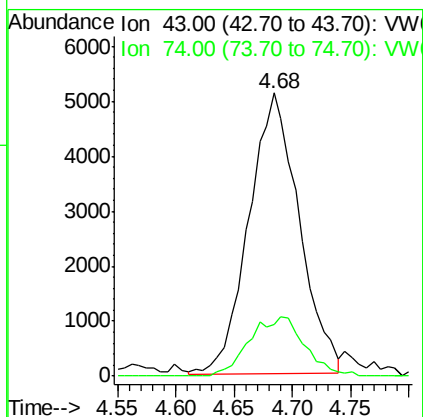
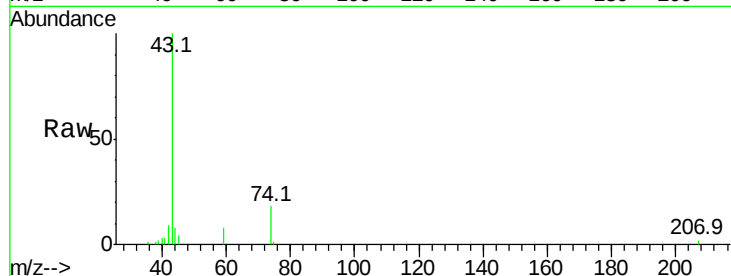




#15
Methyl Acetate
Concen: 5.648 ug/L
RT: 4.68 min Scan# 508
Delta R.T. -0.00 min
Lab File: VW003344.D
Acq: 20 Jun 2018 10:03

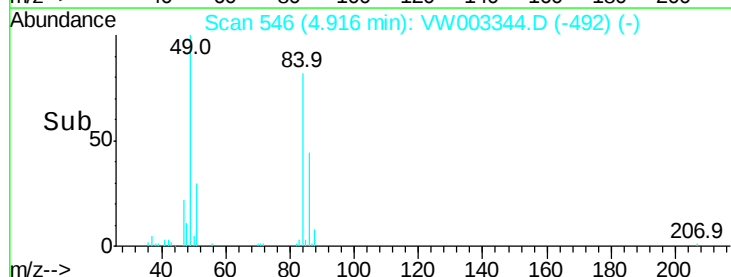
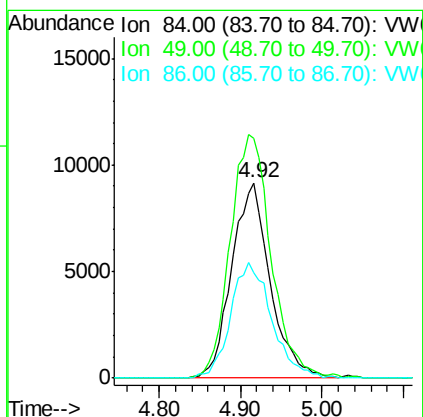
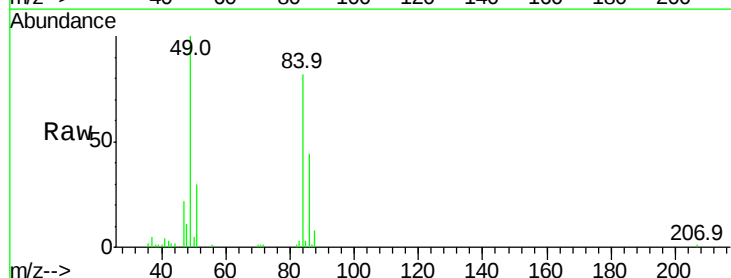
Instrument :
MSVOA_W
ClientSampleId :
VSTD00587

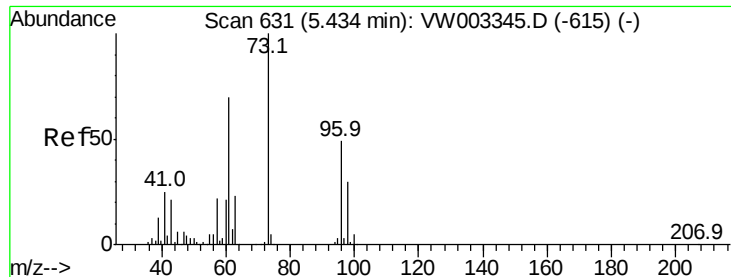
Tgt Ion: 43 Resp: 15239
Ion Ratio Lower Upper
43 100
74 13.6 17.5 26.3#



#16
Methylene chloride
Concen: 5.091 ug/L
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW003344.D
Acq: 20 Jun 2018 10:03

Tgt Ion: 84 Resp: 29937
Ion Ratio Lower Upper
84 100
49 122.5 88.7 164.7
86 53.6 44.2 82.0





#17

Methyl tert-butyl Ether

Concen: 5.122 ug/L

RT: 5.43 min Scan# 631

Delta R.T. -0.00 min

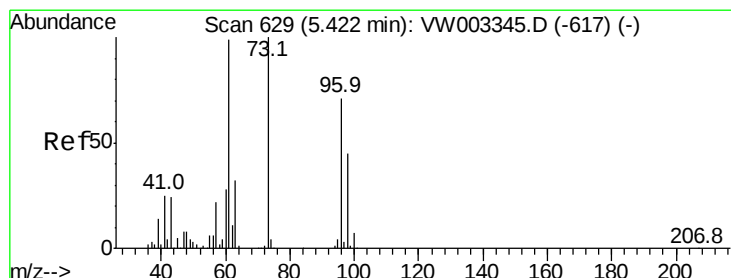
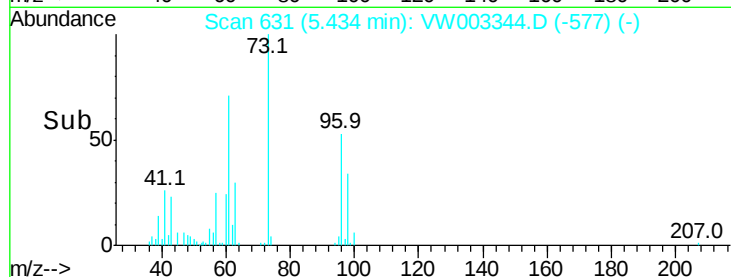
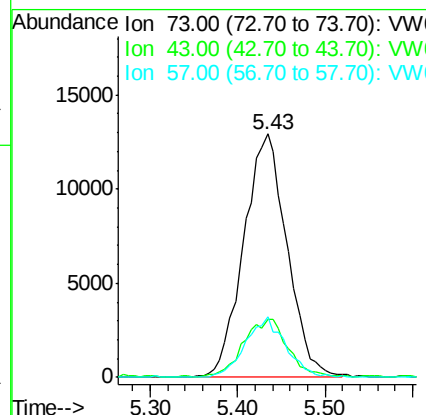
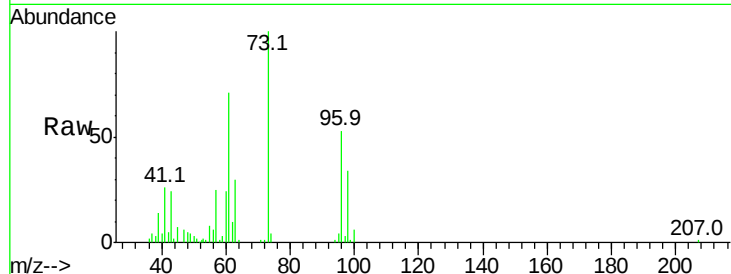
Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :
MSVOA_W
ClientSampled :
VSTD00587

Tgt Ion: 73 Resp: 44399

Ion	Ratio	Lower	Upper
73	100		
43	12.0	18.6	27.8#
57	23.0	18.1	27.1



#18

trans-1,2-Dichloroethene

Concen: 3.348 ug/L

RT: 5.41 min Scan# 627

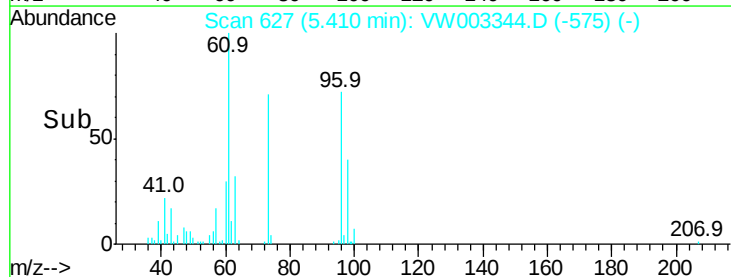
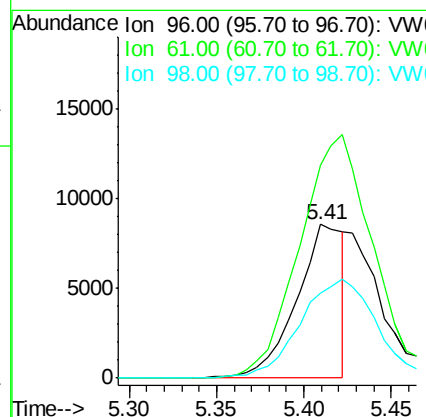
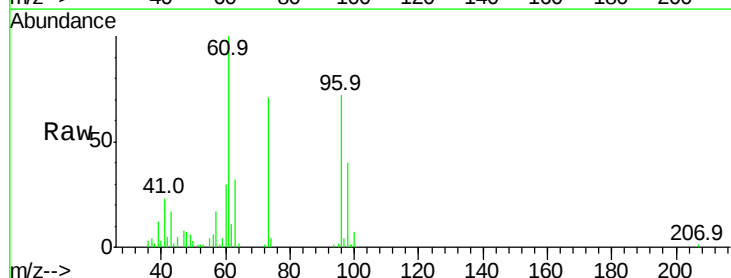
Delta R.T. -0.01 min

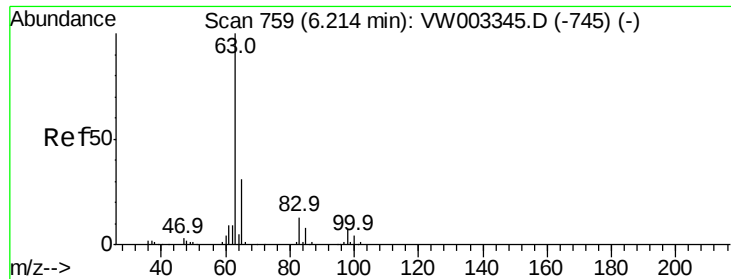
Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Tgt Ion: 96 Resp: 16066

Ion	Ratio	Lower	Upper
96	100		
61	138.4	98.0	182.0
98	54.9	44.2	82.2

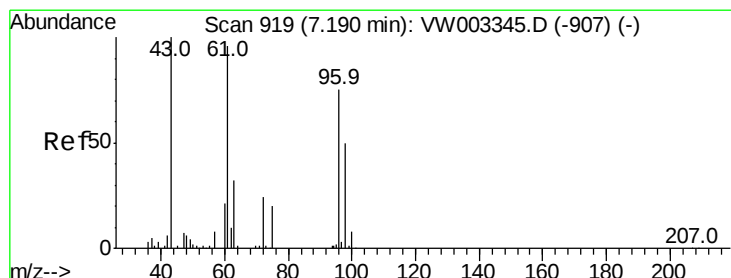
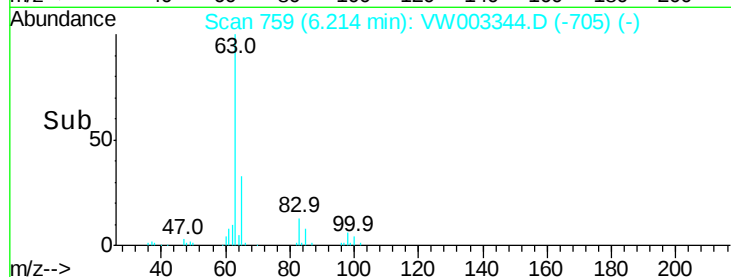
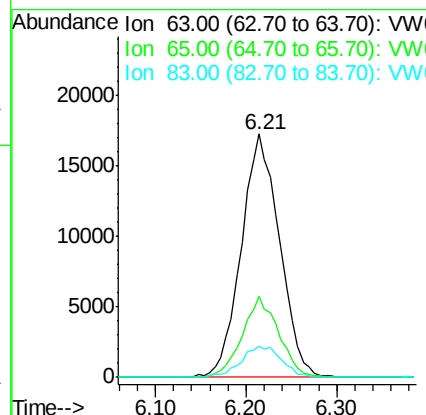
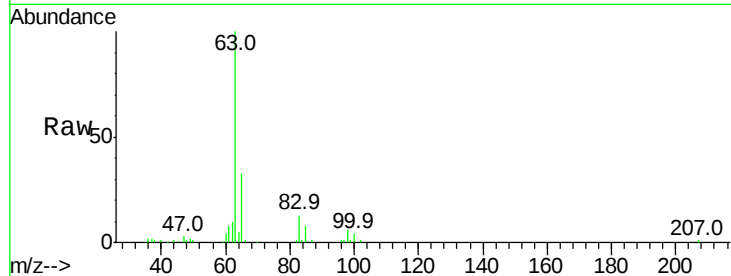




#19
 1,1-Dichloroethane
 Concen: 5.773 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

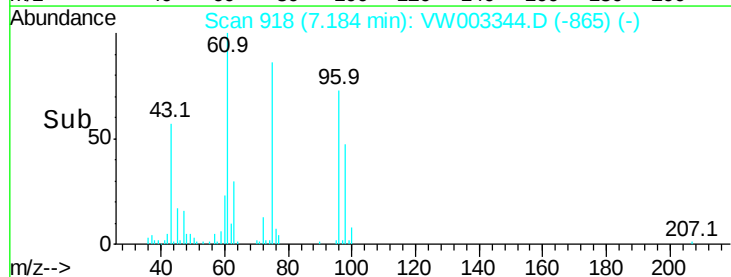
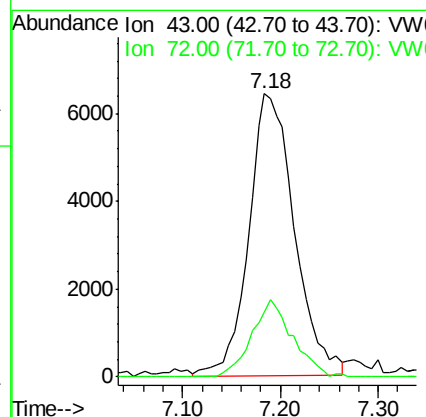
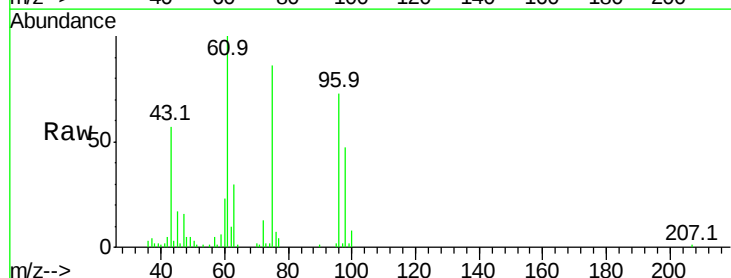
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00587

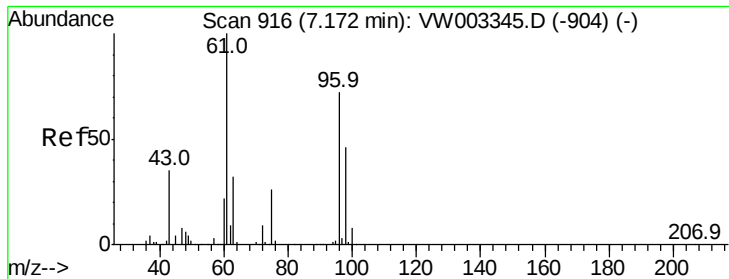
Tgt Ion: 63 Resp: 50435
 Ion Ratio Lower Upper
 63 100
 65 33.5 21.8 40.4
 83 12.8 9.0 16.6



#21
 2-Butanone
 Concen: 10.641 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

Tgt Ion: 43 Resp: 20929
 Ion Ratio Lower Upper
 43 100
 72 24.1 12.5 37.5





#22

cis-1,2-Dichloroethene

Concen: 5.463 ug/L

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD00587

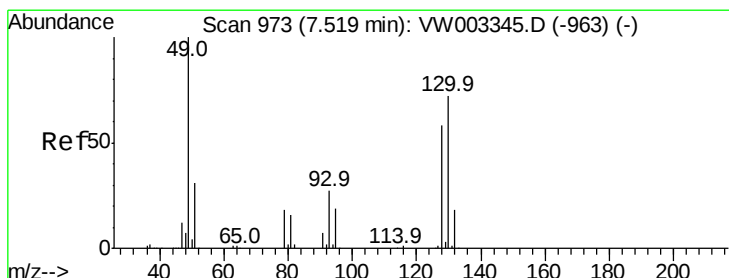
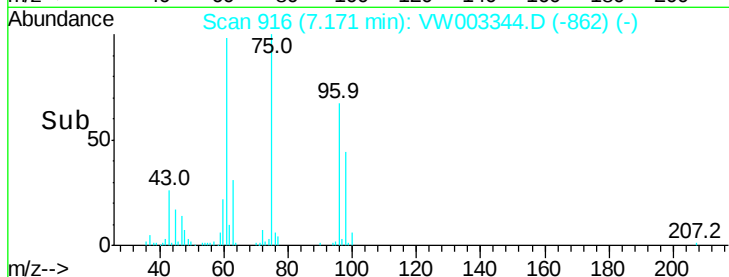
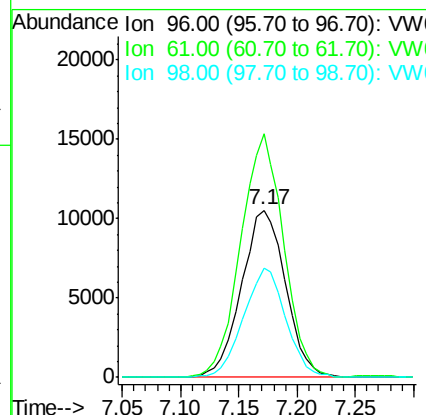
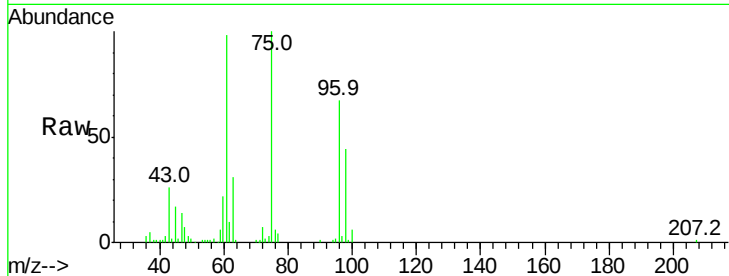
Tgt Ion: 96 Resp: 27738

Ion Ratio Lower Upper

96 100

61 145.7 97.7 181.5

98 65.0 45.0 83.6



#23

Bromochloromethane

Concen: 5.516 ug/L

RT: 7.51 min Scan# 972

Delta R.T. -0.01 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Tgt Ion: 128 Resp: 13297

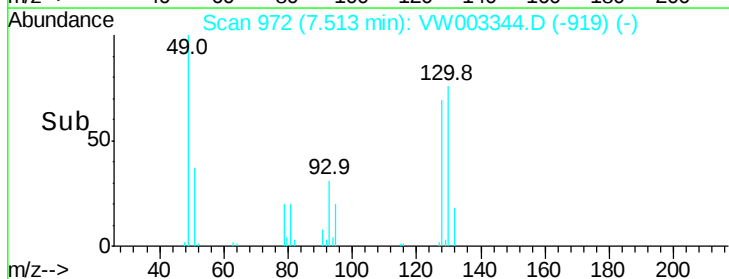
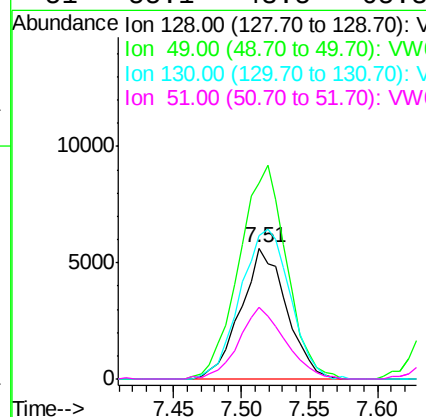
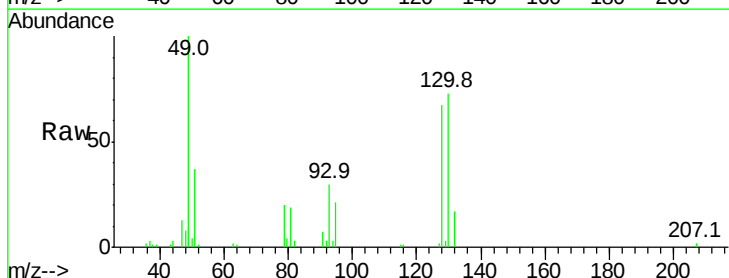
Ion Ratio Lower Upper

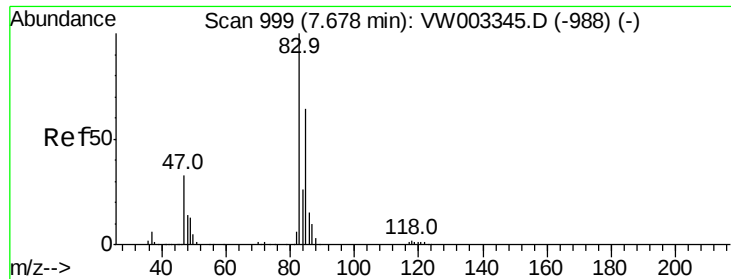
128 100

49 150.2 122.0 226.6

130 110.1 88.1 163.5

51 55.1 43.5 65.3





#25

Chloroform

Concen: 5.525 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

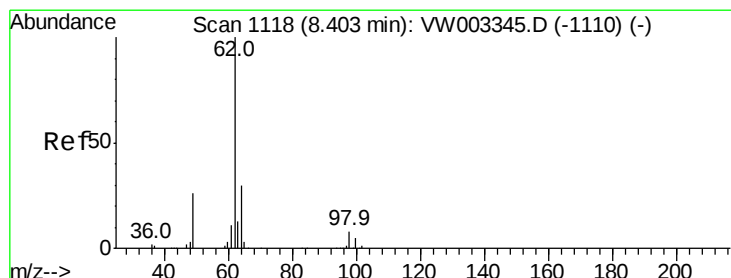
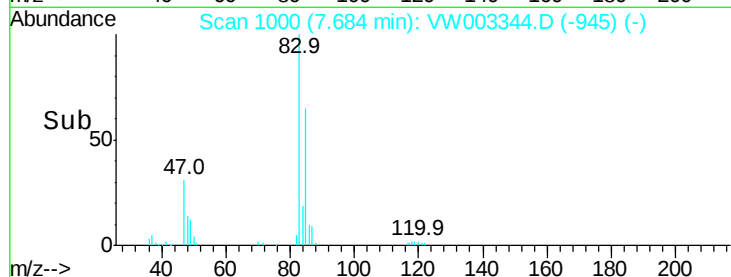
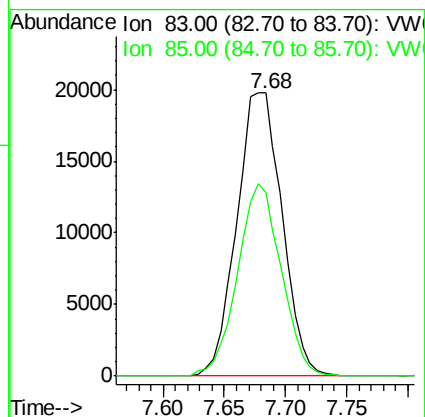
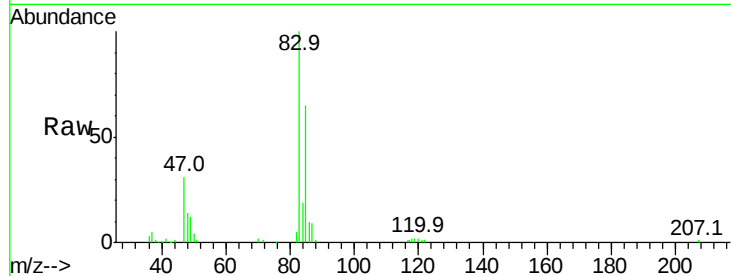
VSTD00587

Tgt Ion: 83 Resp: 50988

Ion Ratio Lower Upper

83 100

85 65.3 46.1 85.5



#27

1,2-Dichloroethane

Concen: 5.583 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW003344.D

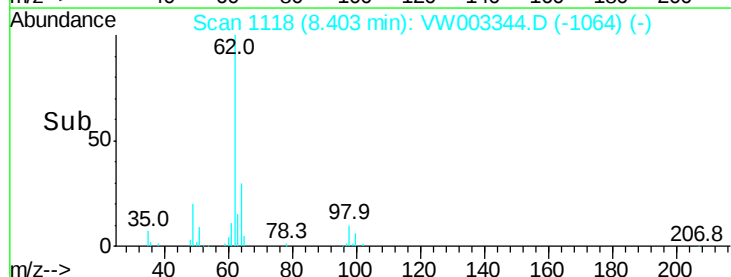
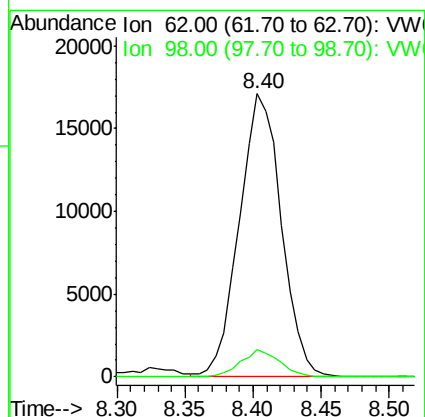
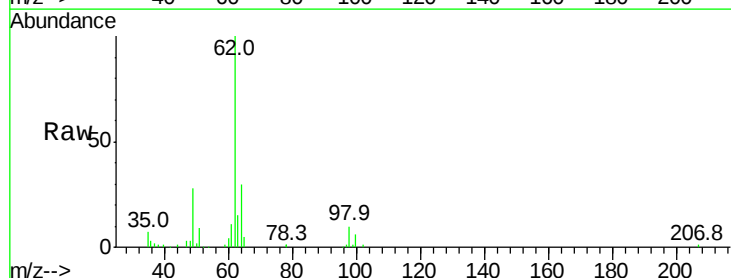
Acq: 20 Jun 2018 10:03

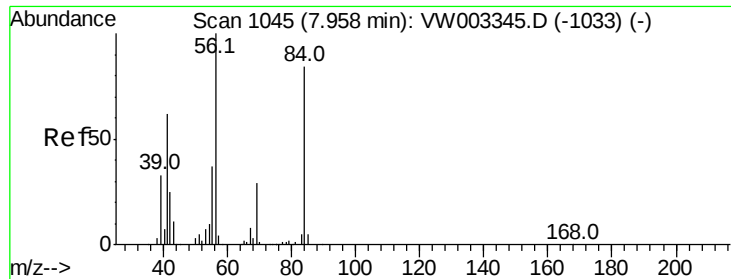
Tgt Ion: 62 Resp: 37000

Ion Ratio Lower Upper

62 100

98 9.7 6.5 9.7#

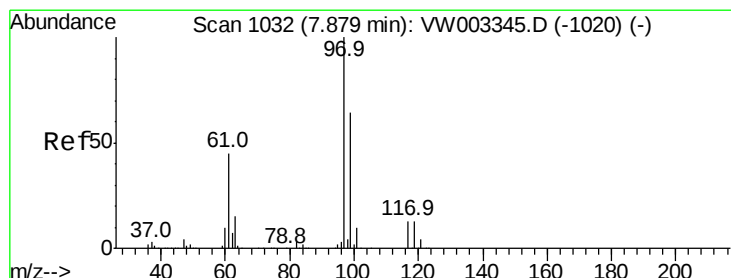
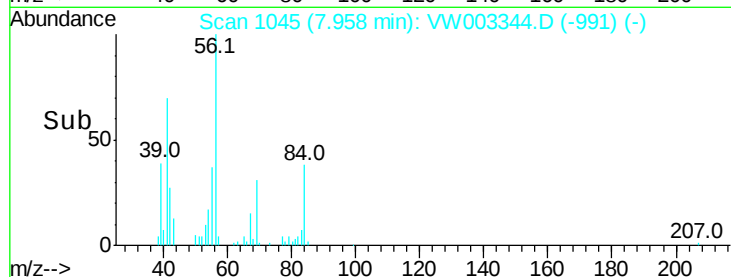
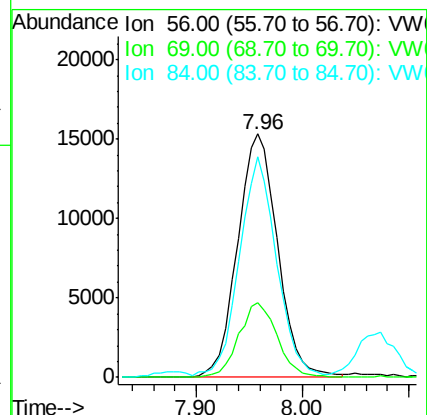
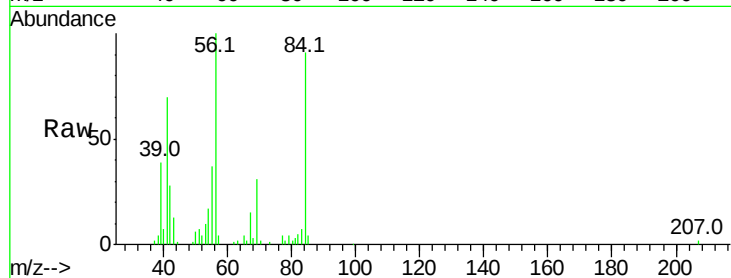




#30
Cyclohexane
Concen: 5.070 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW003344.D
Acq: 20 Jun 2018 10:03

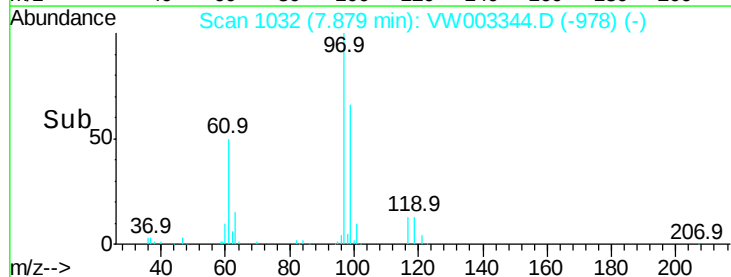
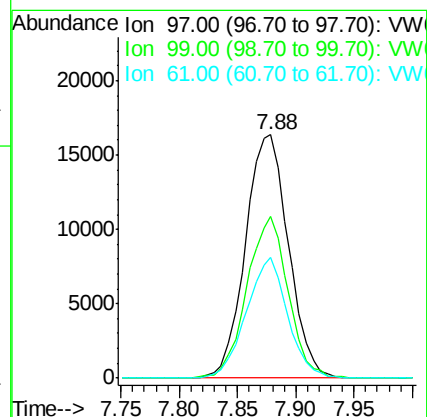
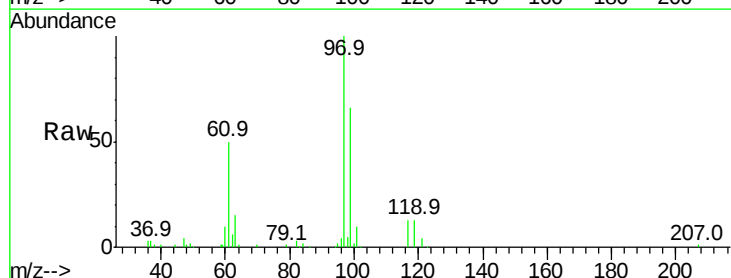
Instrument :
MSVOA_W
ClientSampleId :
VSTD00587

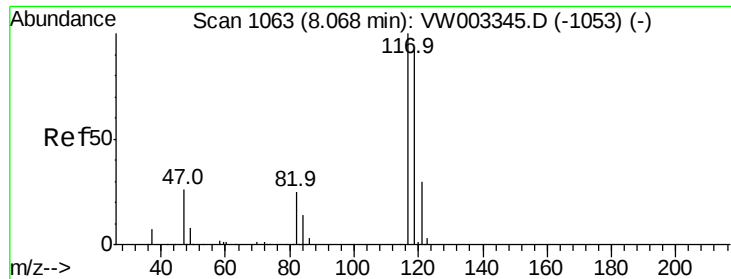
Tgt Ion: 56 Resp: 40474
Ion Ratio Lower Upper
56 100
69 29.4 23.4 35.2
84 84.7 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 5.546 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW003344.D
Acq: 20 Jun 2018 10:03

Tgt Ion: 97 Resp: 42174
Ion Ratio Lower Upper
97 100
99 63.6 50.9 76.3
61 47.5 37.7 56.5





#32

Carbon tetrachloride

Concen: 5.443 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

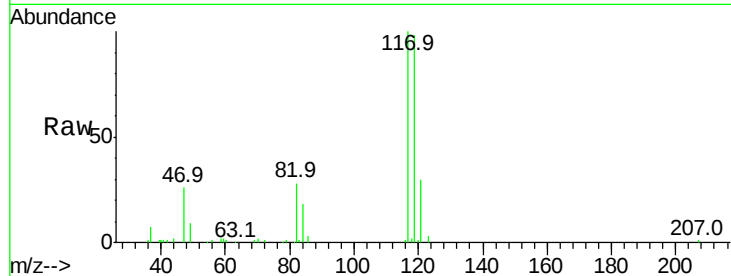
VSTD00587

Tgt Ion:117 Resp: 39755

Ion Ratio Lower Upper

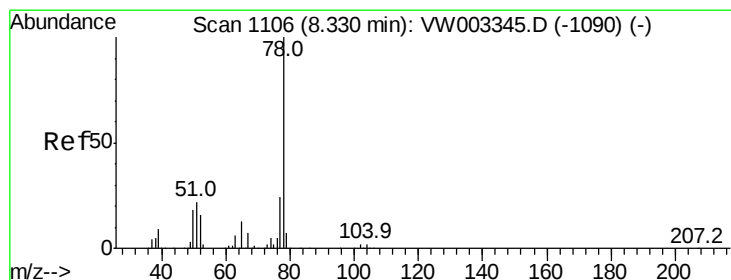
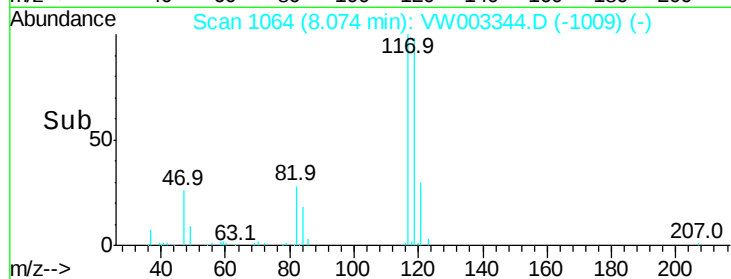
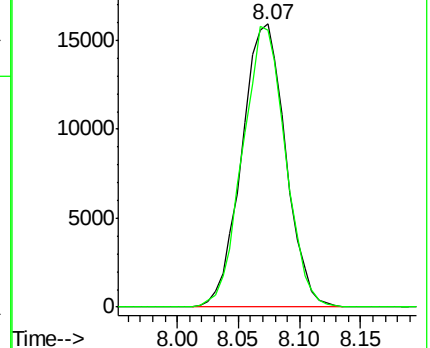
117 100

119 96.6 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.439 ug/L

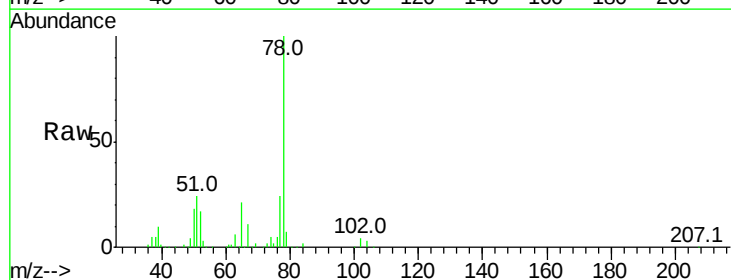
RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

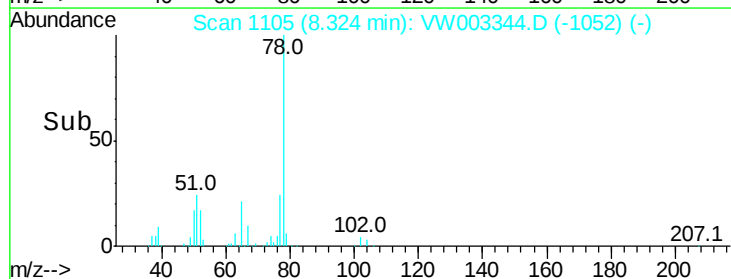
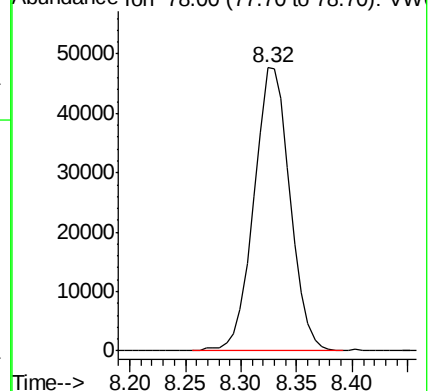
Lab File: VW003344.D

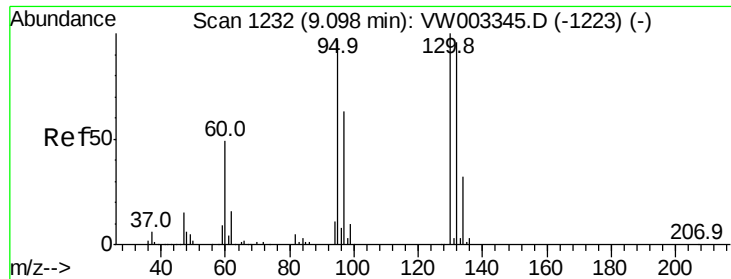
Acq: 20 Jun 2018 10:03

Tgt Ion: 78 Resp: 107581



Abundance Ion 78.00 (77.70 to 78.70): VW

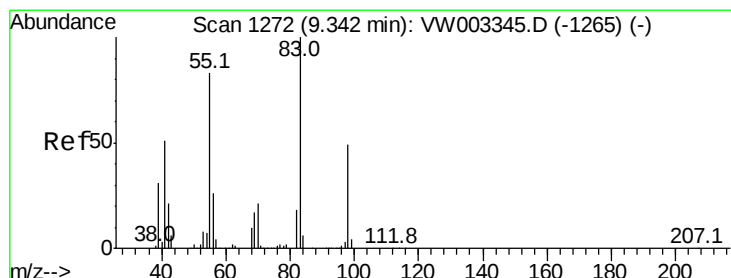
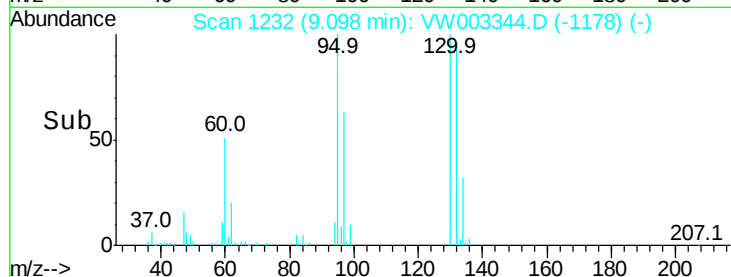
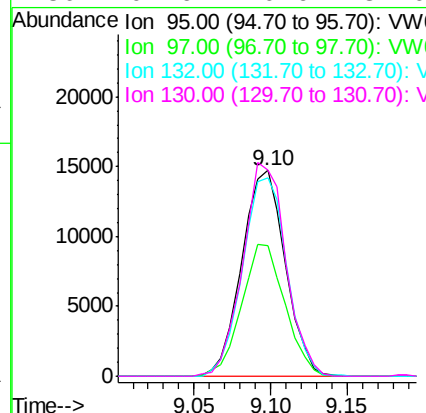
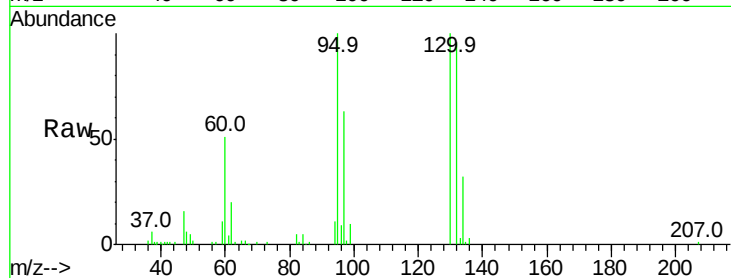




#35
 Trichloroethene
 Concen: 5.515 ug/L
 RT: 9.10 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

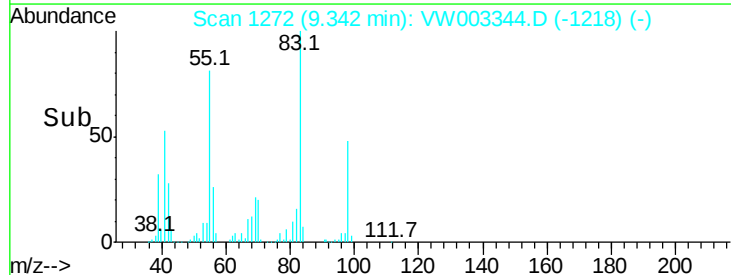
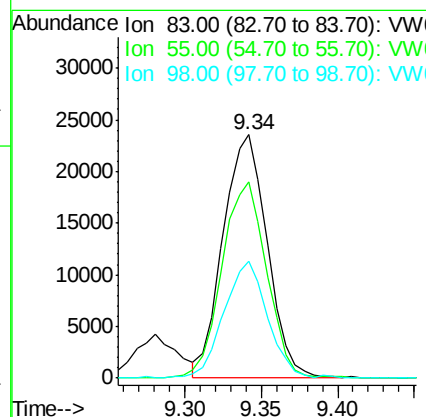
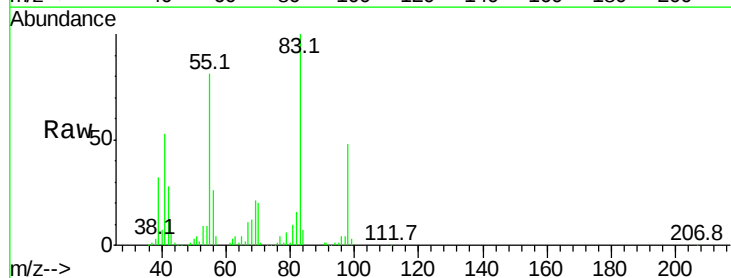
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00587

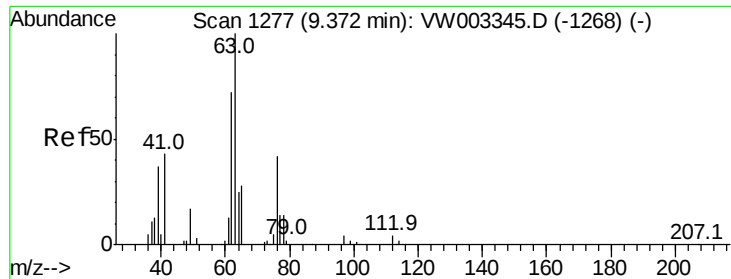
Tgt Ion:	95	Resp:	29137
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.6	84.6
132	98.0	67.8	125.8
130	102.6	70.6	131.0



#36
 Methylcyclohexane
 Concen: 5.207 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

Tgt Ion:	83	Resp:	47287
Ion	Ratio	Lower	Upper
83	100		
55	81.6	63.9	95.9
98	47.1	37.1	55.7

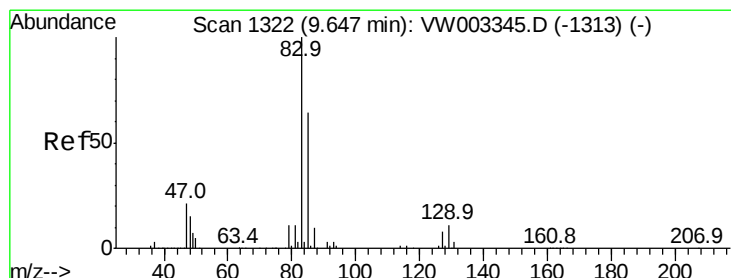
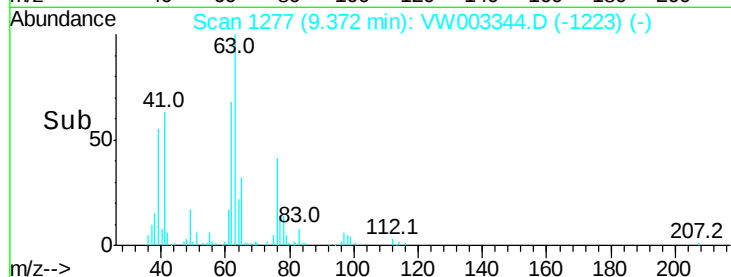
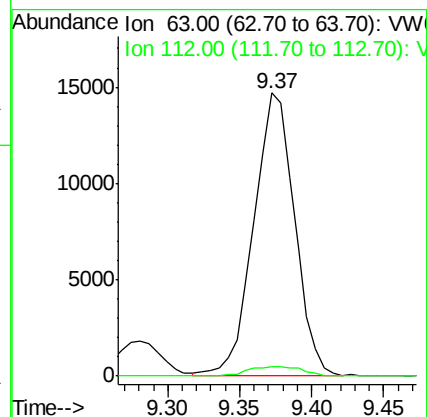
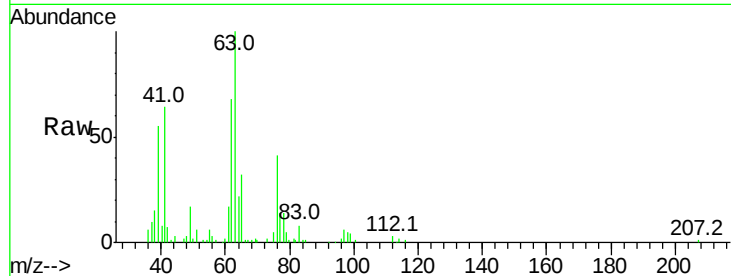




#40
 1,2-Dichloropropane
 Concen: 5.672 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

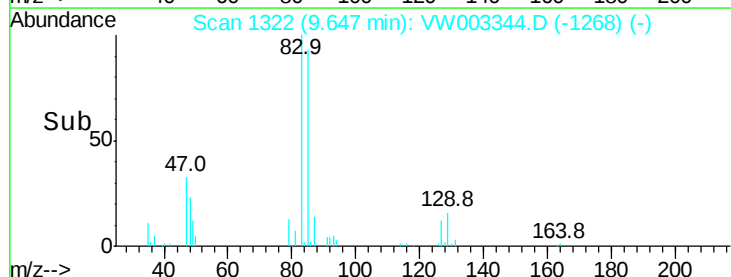
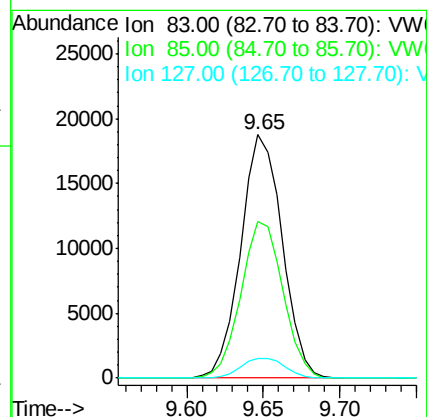
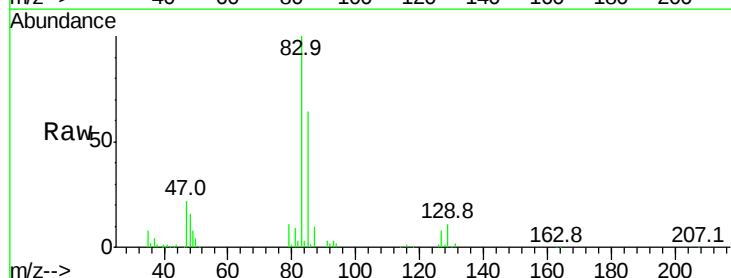
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00587

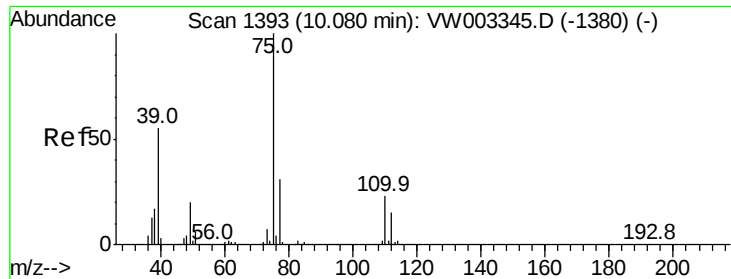
Tgt Ion: 63 Resp: 28876
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.0



#41
 Bromodichloromethane
 Concen: 5.373 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

Tgt Ion: 83 Resp: 35408
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.7 83.1
 127 8.0 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 5.038 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

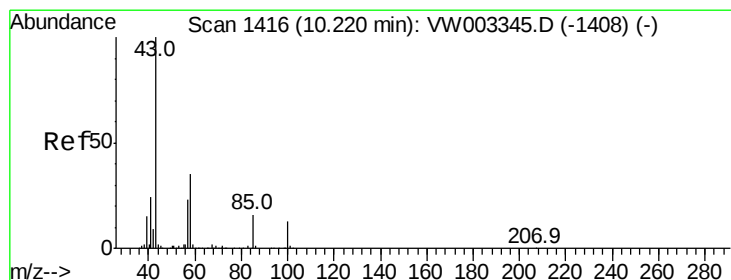
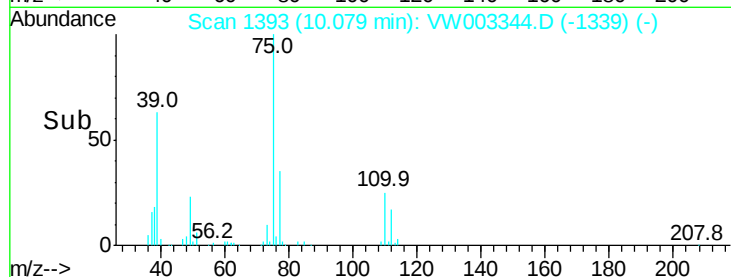
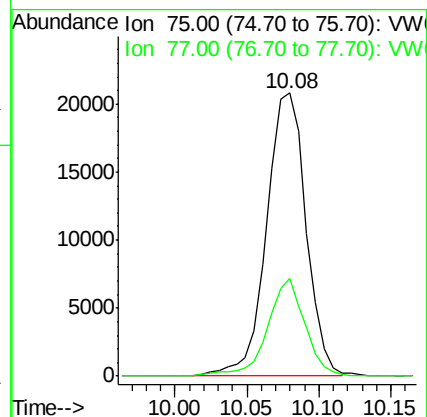
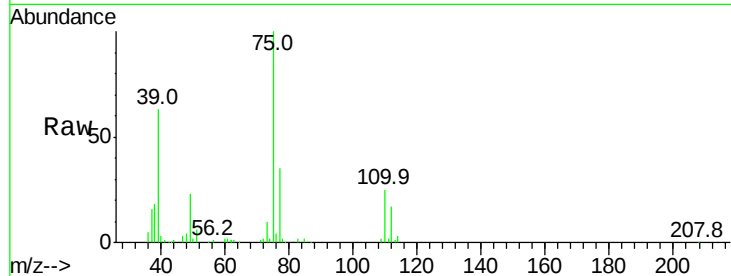
VSTD00587

Tgt Ion: 75 Resp: 39586

Ion Ratio Lower Upper

75 100

77 34.6 21.8 40.6



#43

4-Methyl-2-pentanone

Concen: 9.608 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

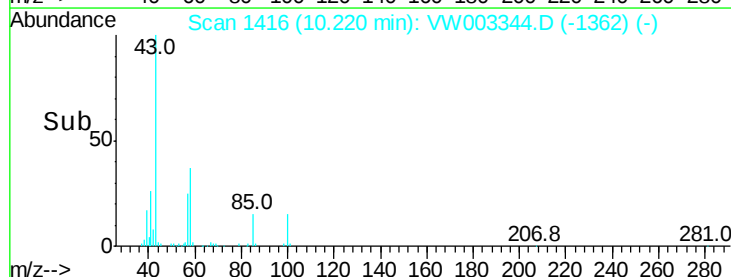
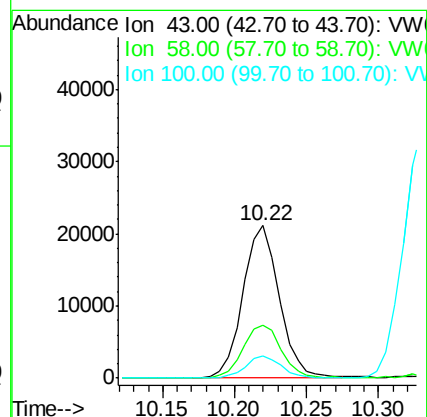
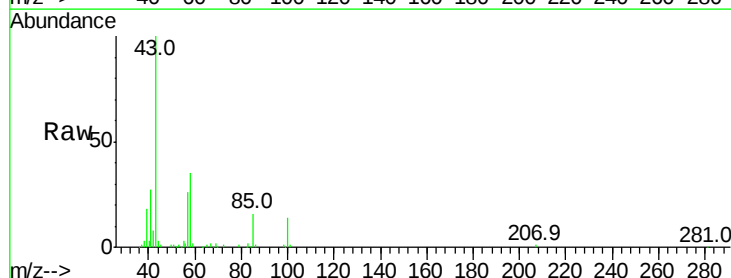
Tgt Ion: 43 Resp: 37093

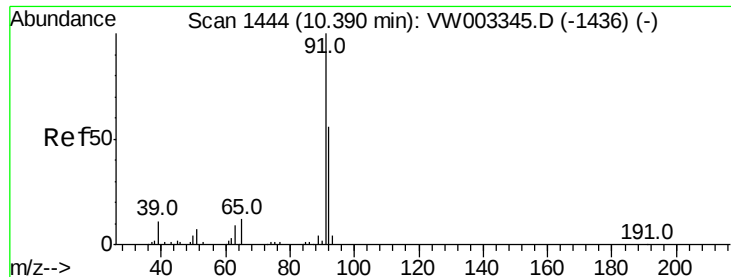
Ion Ratio Lower Upper

43 100

58 36.1 28.7 43.1

100 14.1 11.1 16.7





#44

Toluene

Concen: 5.286 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

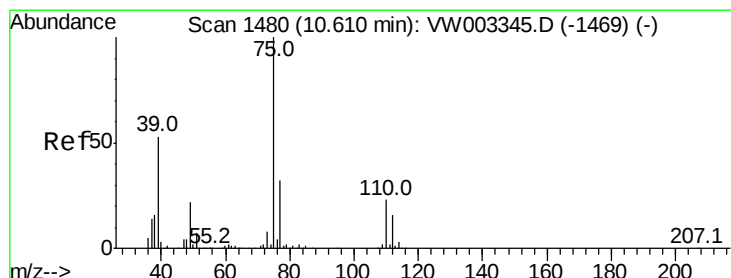
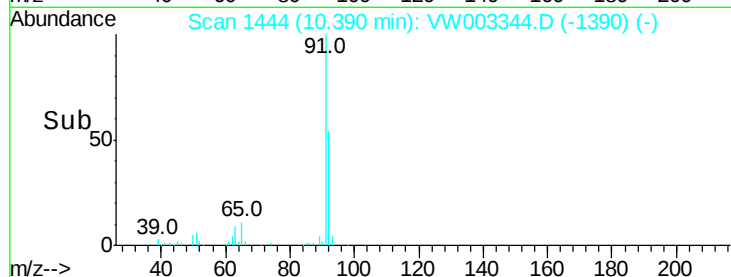
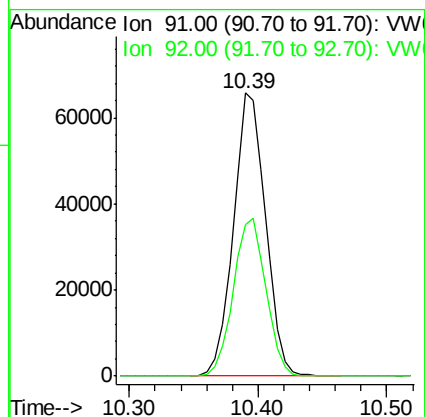
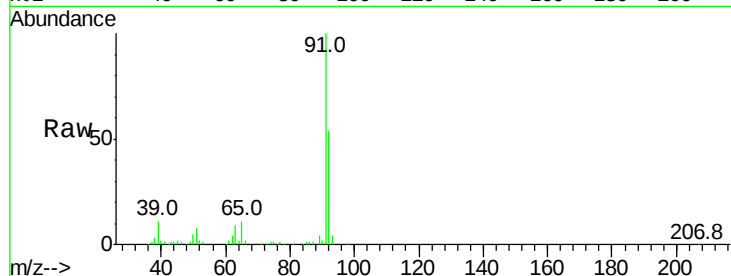
VSTD00587

Tgt Ion: 91 Resp: 113769

Ion Ratio Lower Upper

91 100

92 53.6 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 5.133 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003344.D

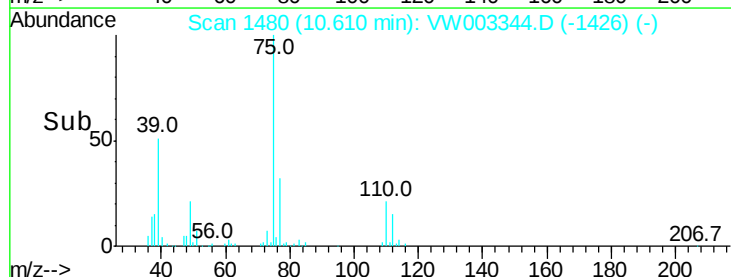
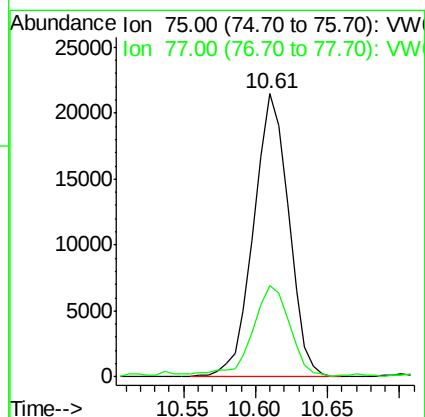
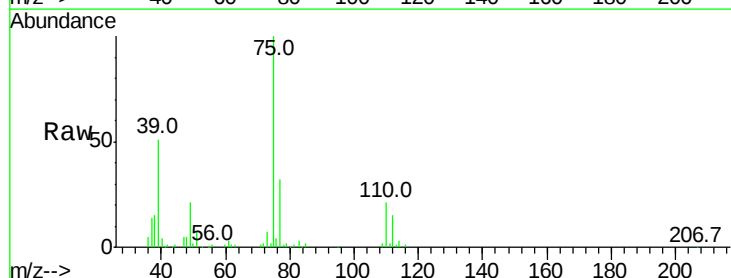
Acq: 20 Jun 2018 10:03

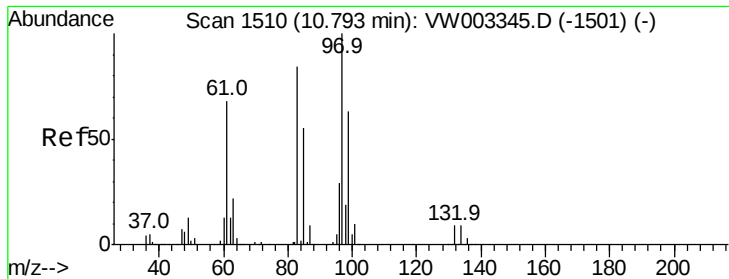
Tgt Ion: 75 Resp: 36290

Ion Ratio Lower Upper

75 100

77 32.4 22.4 41.6

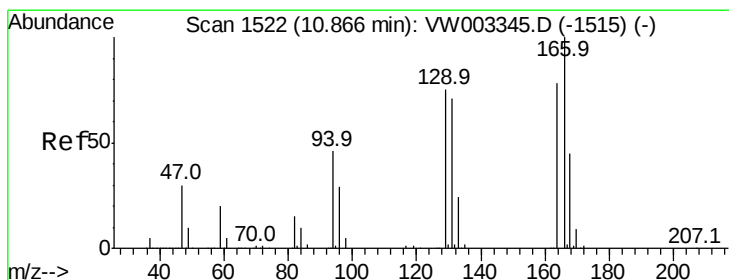
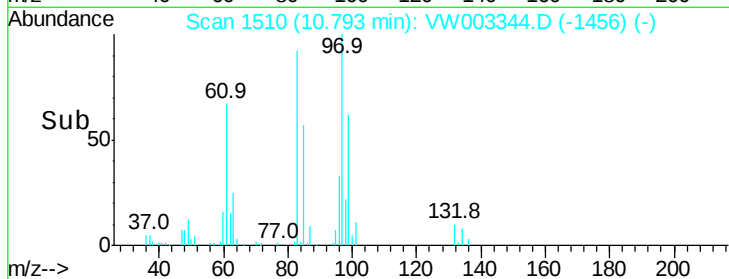
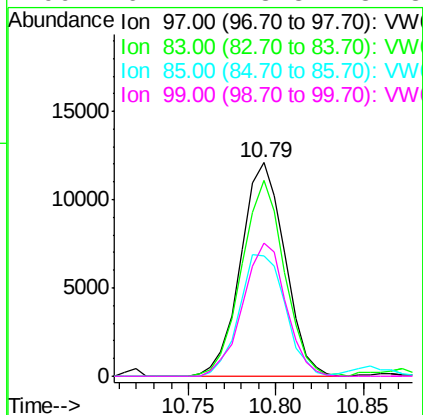
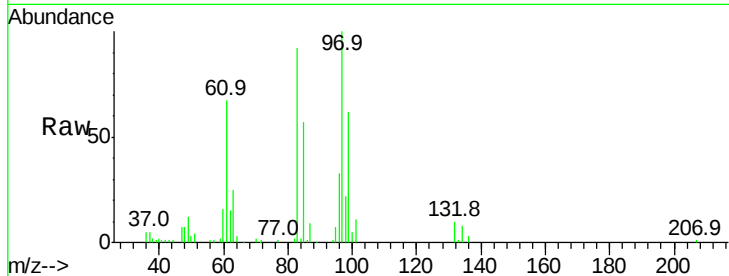




#46
 1,1,2-Trichloroethane
 Concen: 5.406 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

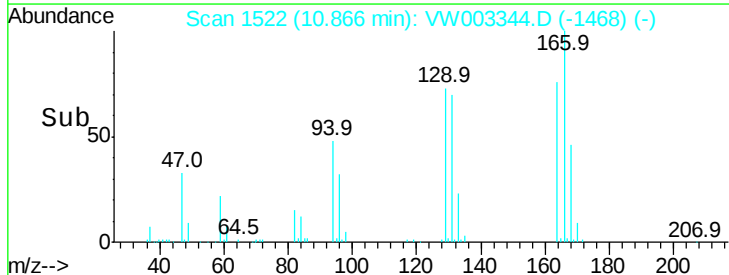
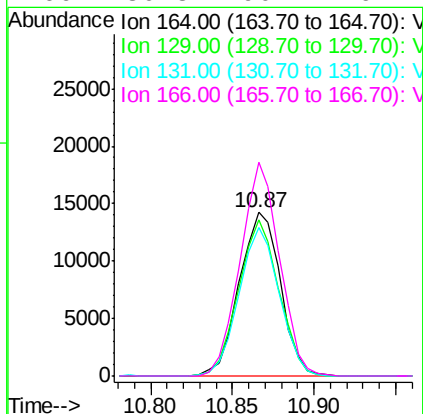
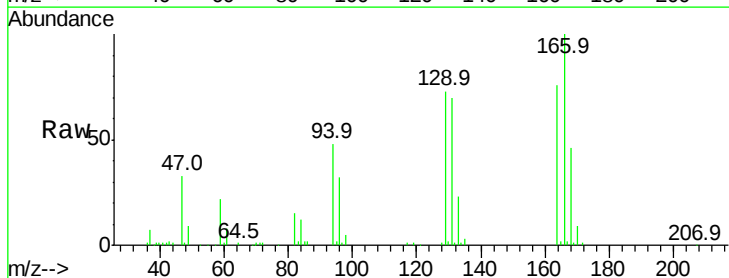
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00587

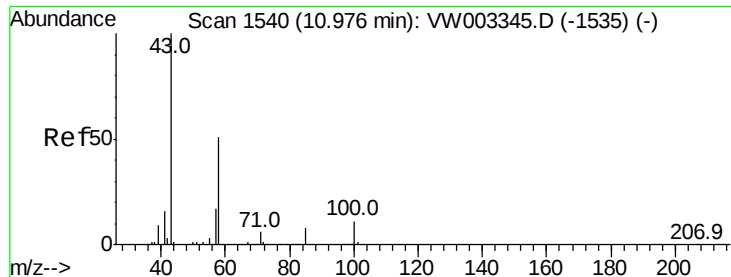
Tgt Ion:	97	Resp:	21199
Ion	Ratio	Lower	Upper
97	100		
83	91.9	58.8	109.2
85	56.5	38.8	72.0
99	62.1	43.8	81.3



#47
 Tetrachloroethene
 Concen: 5.641 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

Tgt Ion:	164	Resp:	24994
Ion	Ratio	Lower	Upper
164	100		
129	95.6	67.3	124.9
131	91.3	63.8	118.4
166	130.8	90.2	167.4

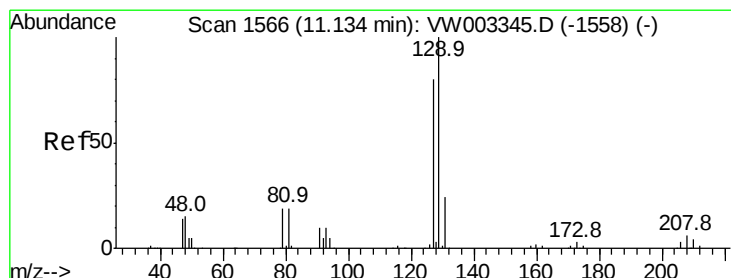
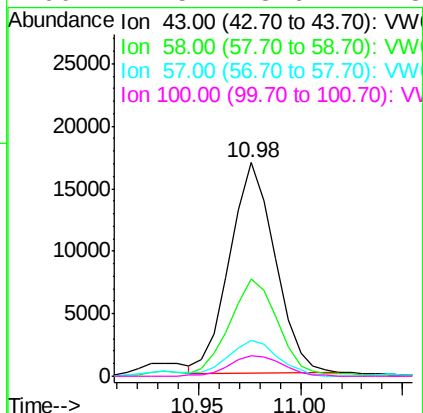
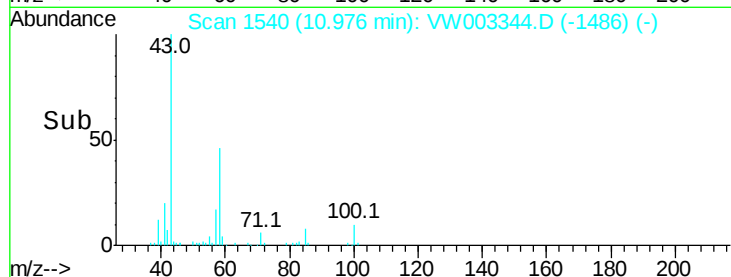
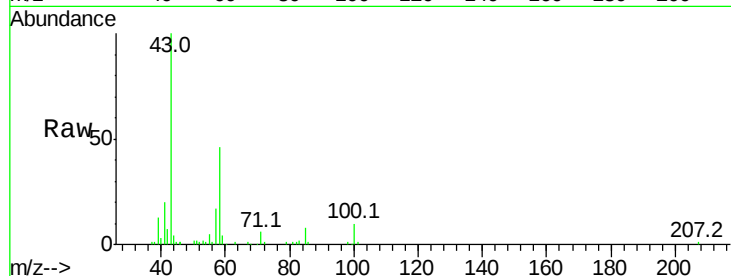




#49
2-Hexanone
Concen: 9.396 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003344.D
Acq: 20 Jun 2018 10:03

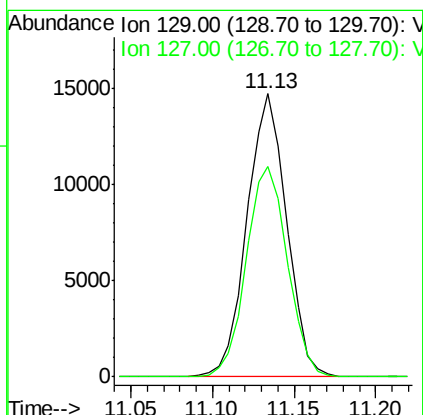
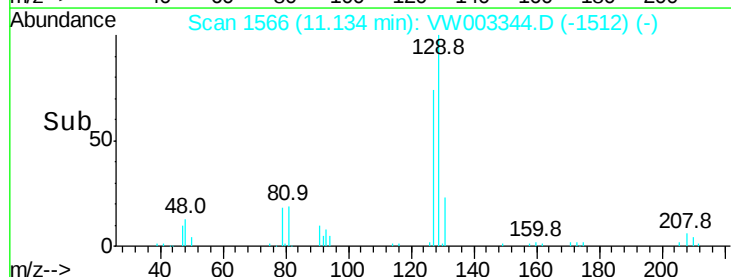
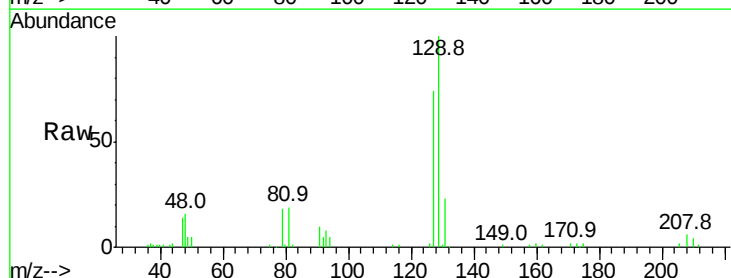
Instrument :
MSVOA_W
ClientSampleId :
VSTD00587

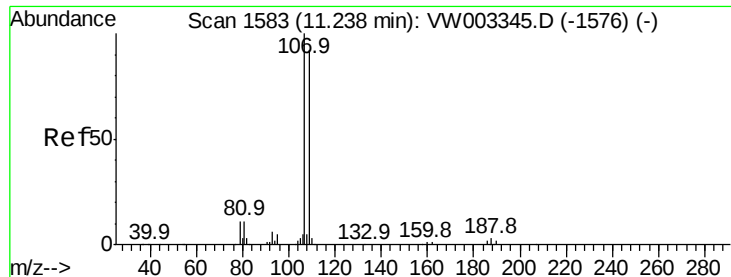
Tgt Ion:	43	Resp:	26195
Ion	Ratio	Lower	Upper
43	100		
58	48.9	40.4	60.6
57	18.5	14.6	21.8
100	11.5	8.6	12.8



#50
Dibromochloromethane
Concen: 5.211 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003344.D
Acq: 20 Jun 2018 10:03

Tgt Ion:	129	Resp:	24886
Ion	Ratio	Lower	Upper
129	100		
127	74.3	56.0	104.0





#51

1,2-Dibromoethane

Concen: 5.305 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD00587

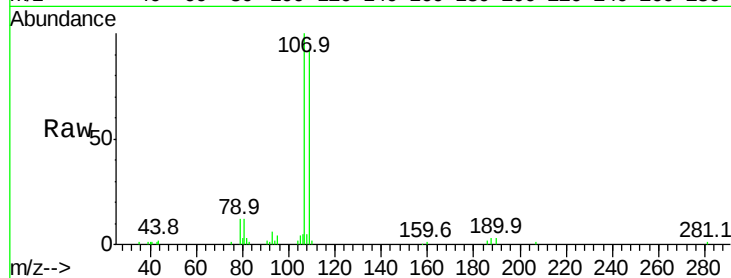
Tgt Ion:107 Resp: 20605

Ion Ratio Lower Upper

107 100

109 92.3 64.5 119.9

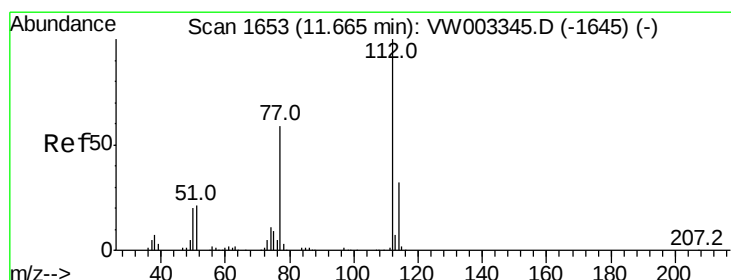
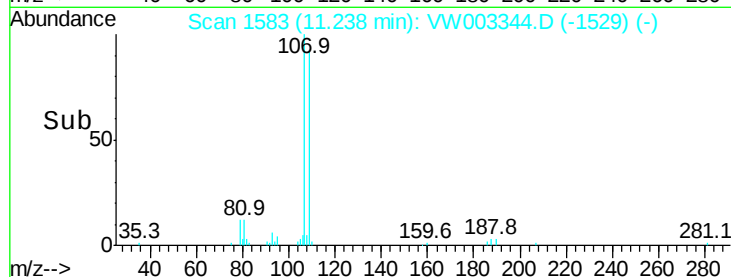
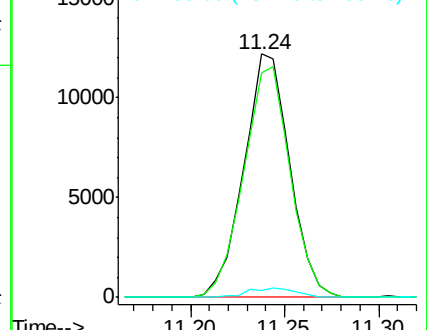
188 2.9 2.8 4.2



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: 5.356 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

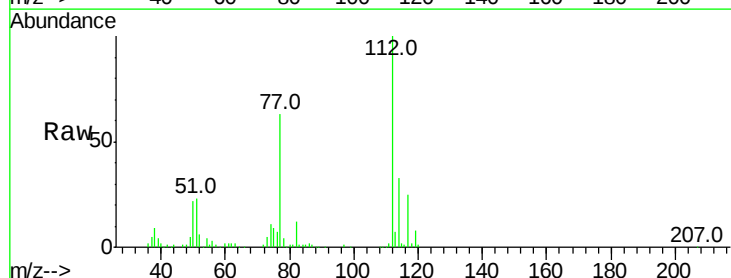
Tgt Ion:112 Resp: 75279

Ion Ratio Lower Upper

112 100

77 62.8 47.3 70.9

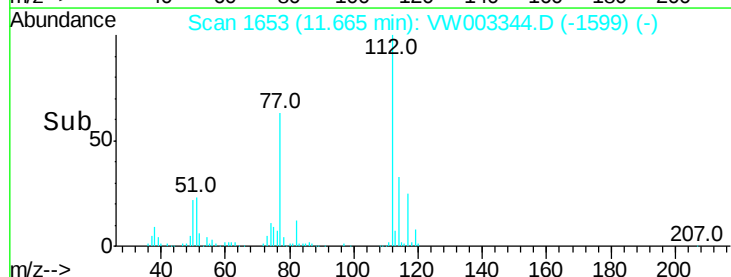
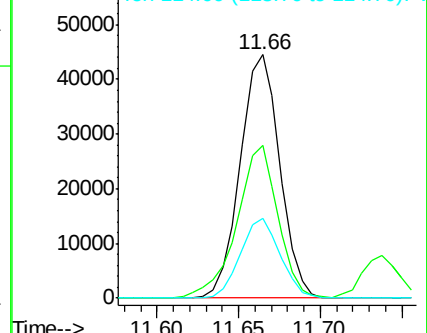
114 32.6 22.2 41.2

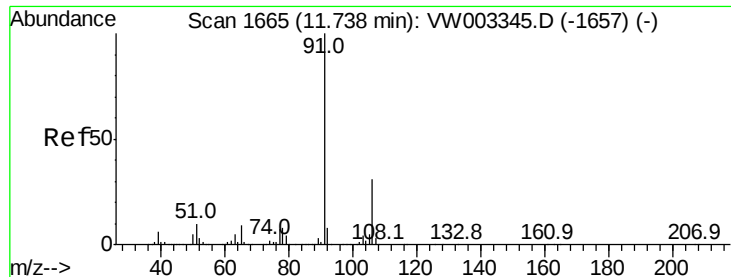


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 5.144 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

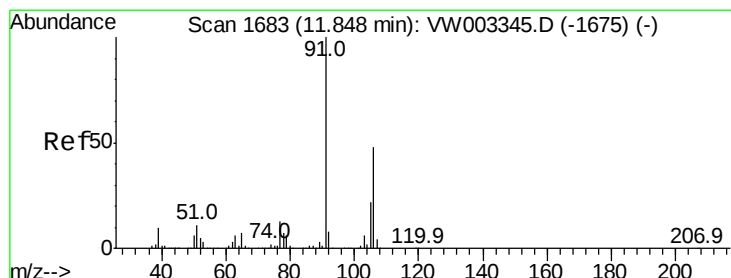
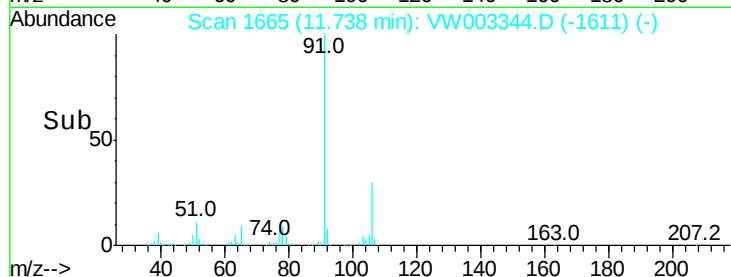
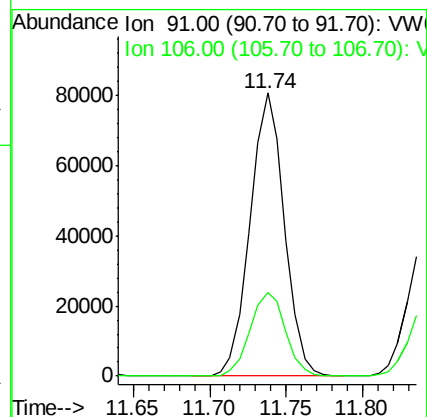
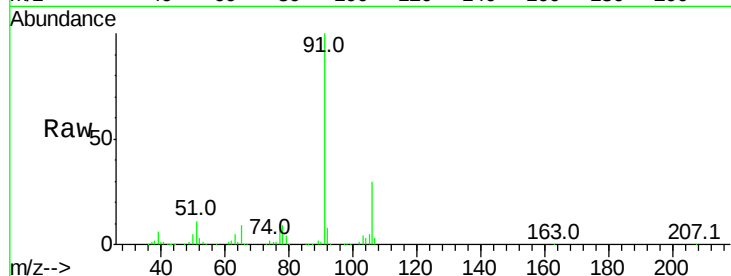
VSTD00587

Tgt Ion: 91 Resp: 125502

Ion Ratio Lower Upper

91 100

106 29.6 21.8 40.4



#54

m,p-Xylene

Concen: 5.090 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003344.D

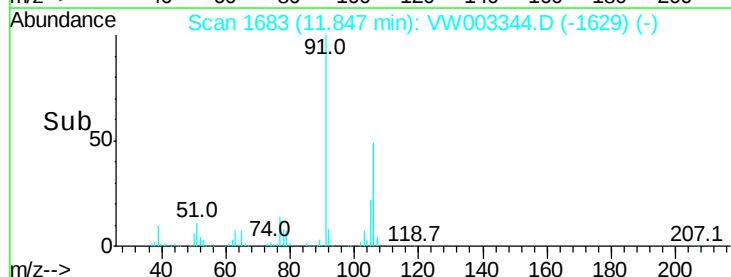
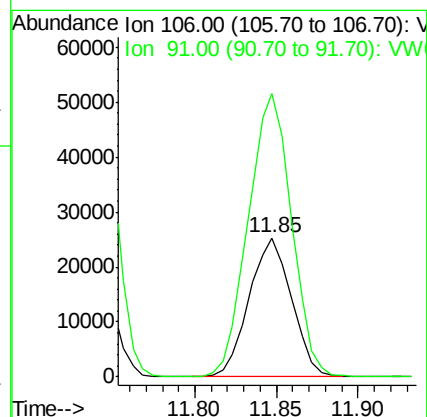
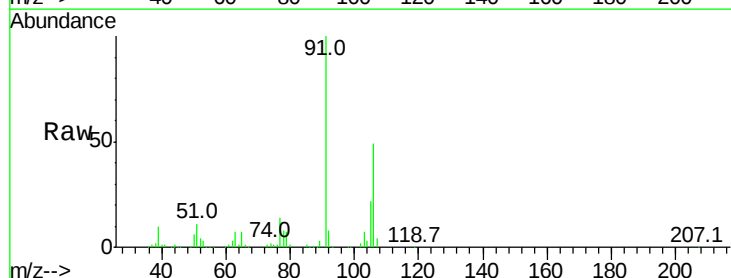
Acq: 20 Jun 2018 10:03

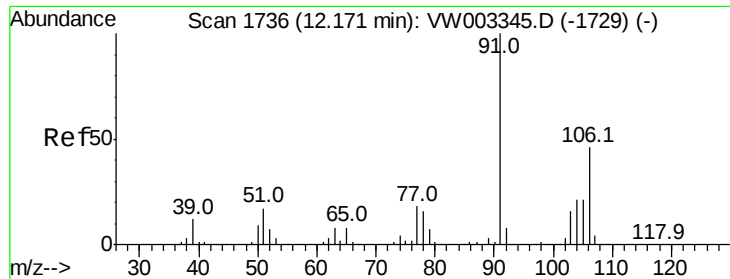
Tgt Ion: 106 Resp: 45934

Ion Ratio Lower Upper

106 100

91 203.8 146.4 271.8

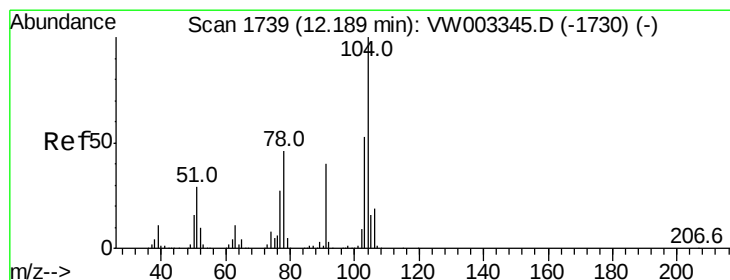
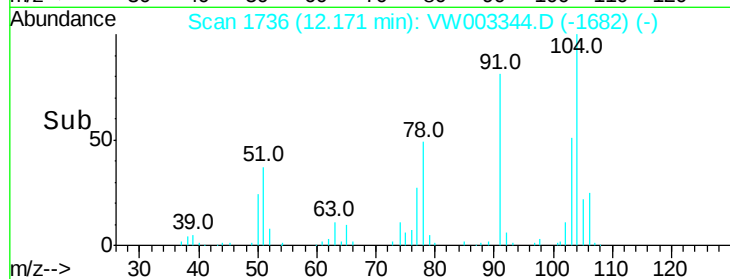
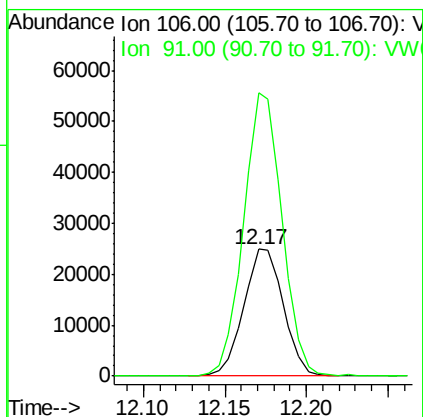
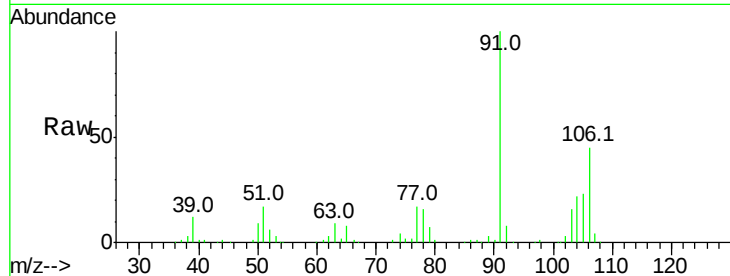




#55
o-xylene
Concen: 4.901 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003344.D
Acq: 20 Jun 2018 10:03

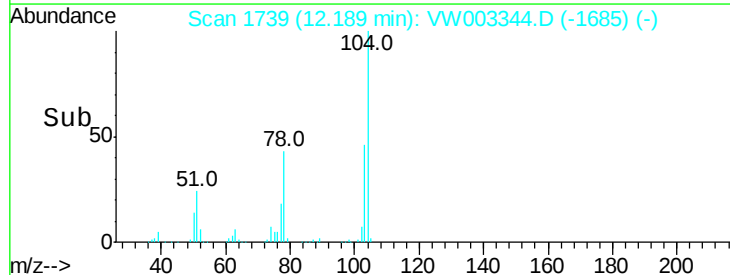
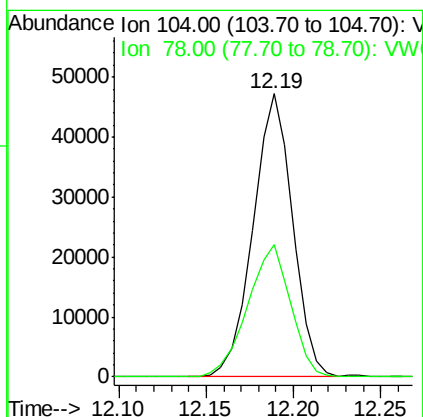
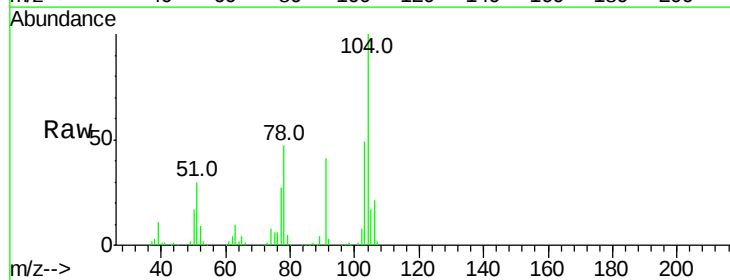
Instrument :
MSVOA_W
ClientSampleId :
VSTD00587

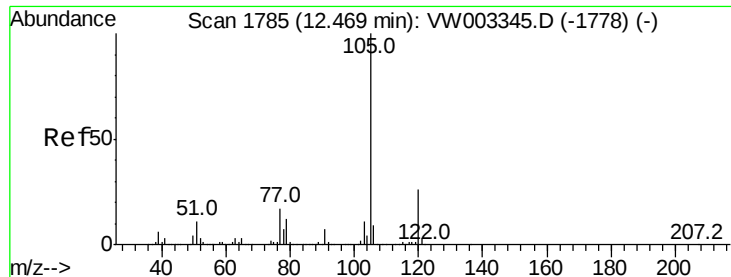
Tgt Ion:106 Resp: 42059
Ion Ratio Lower Upper
106 100
91 223.2 153.4 285.0



#56
Styrene
Concen: 4.964 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW003344.D
Acq: 20 Jun 2018 10:03

Tgt Ion:104 Resp: 74228
Ion Ratio Lower Upper
104 100
78 46.6 32.1 59.7





#57

Isopropylbenzene

Concen: 4.965 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD00587

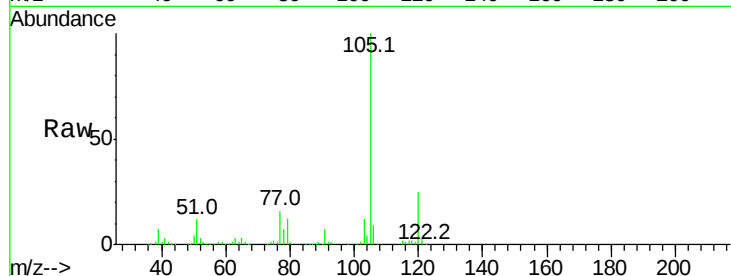
Tgt Ion:105 Resp: 118927

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

77 17.2 13.3 19.9

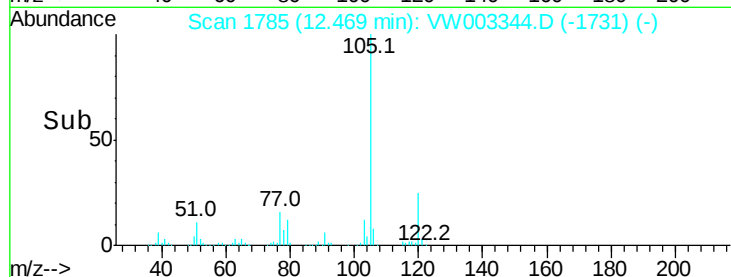


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



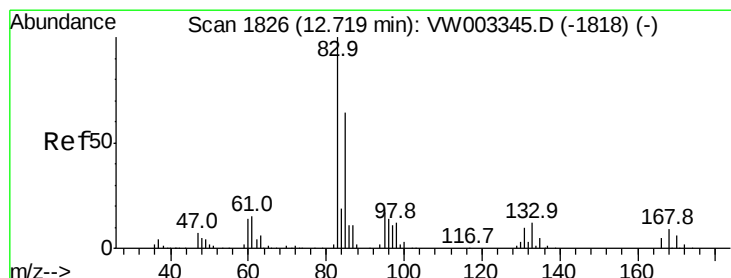
105.1

51.0

77.0

122.2

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 5.336 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

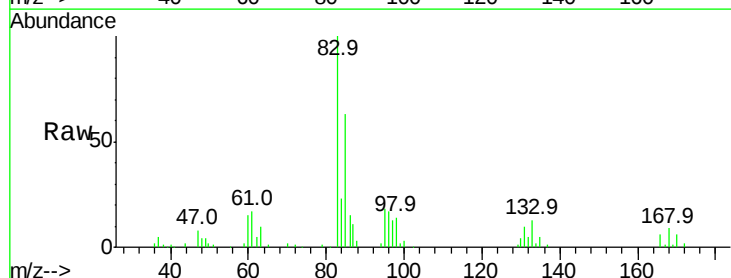
Tgt Ion: 83 Resp: 27700

Ion Ratio Lower Upper

83 100

85 63.3 45.1 83.9

131 9.6 8.2 12.2

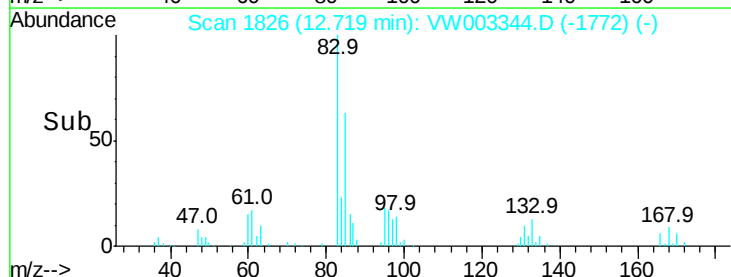


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



82.9

47.0

61.0

97.9

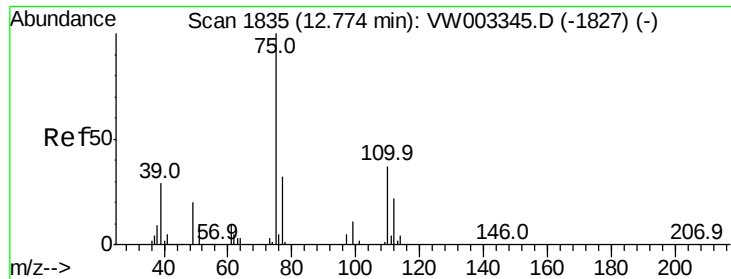
132.9

167.9

Time-->

12.72

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.370 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampled :

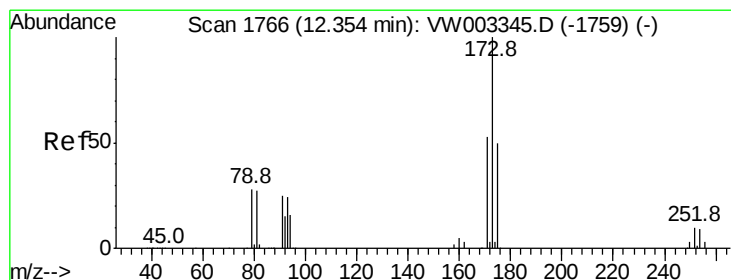
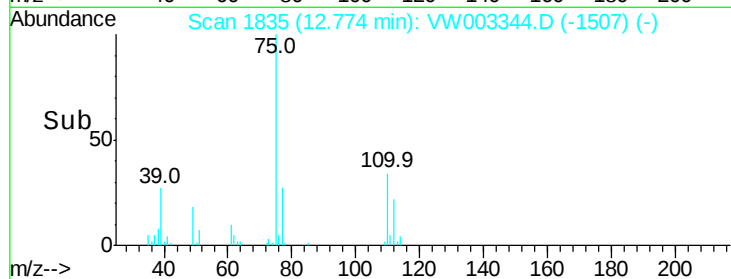
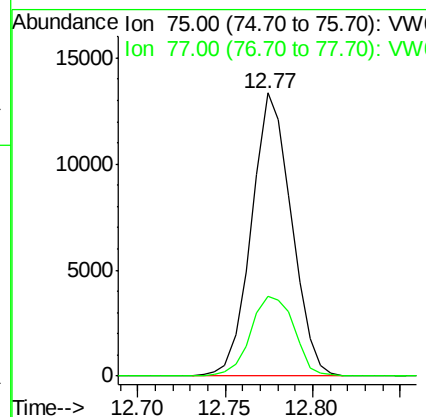
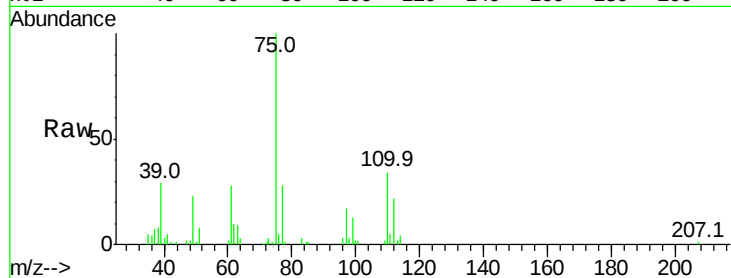
VSTD00587

Tgt Ion: 75 Resp: 21233

Ion Ratio Lower Upper

75 100

77 30.6 26.0 39.0



#62

Bromoform

Concen: 5.331 ug/L

RT: 12.36 min Scan# 1767

Delta R.T. 0.01 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

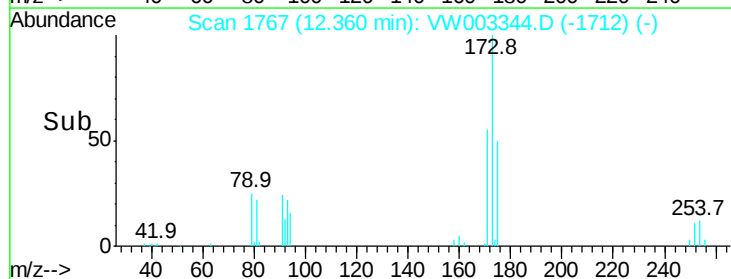
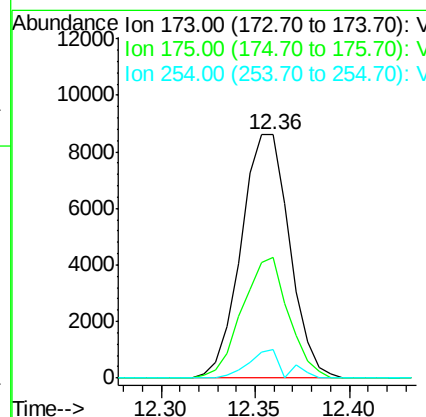
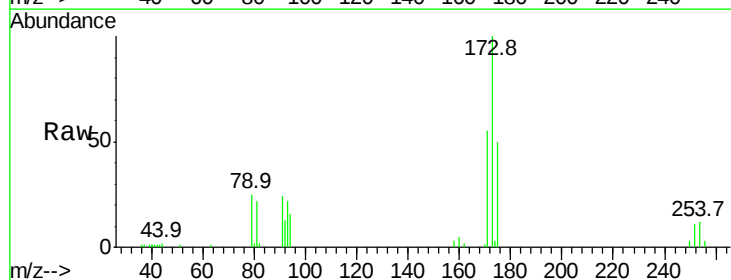
Tgt Ion: 173 Resp: 15407

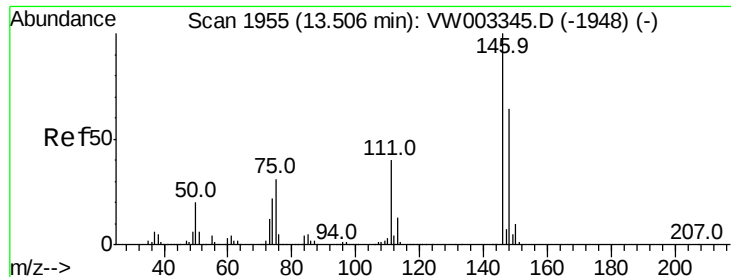
Ion Ratio Lower Upper

173 100

175 47.2 39.9 59.9

254 6.9 7.7 11.5#

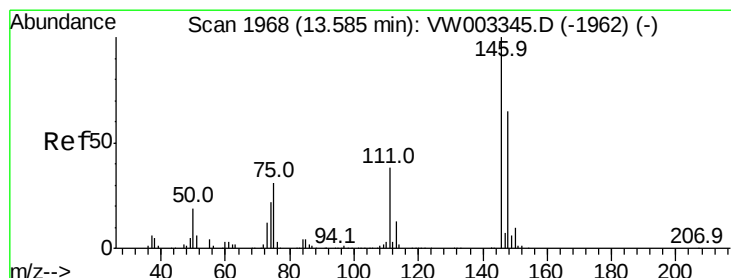
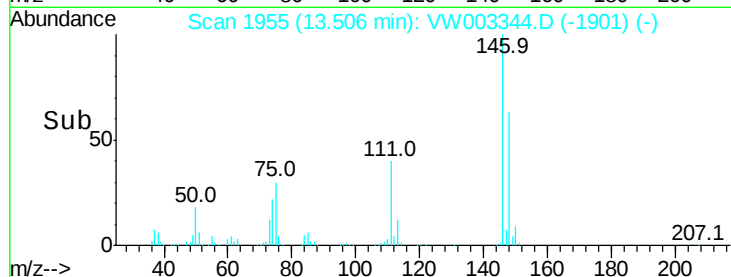
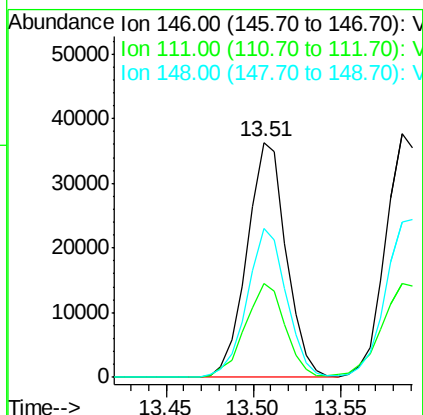
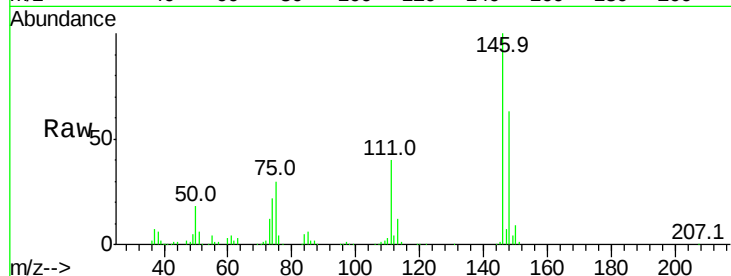




#63
 1,3-Dichlorobenzene
 Concen: 5.379 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

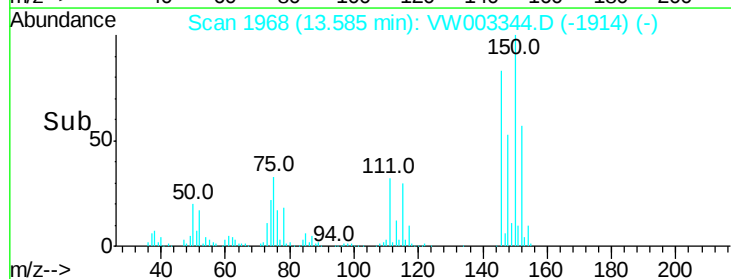
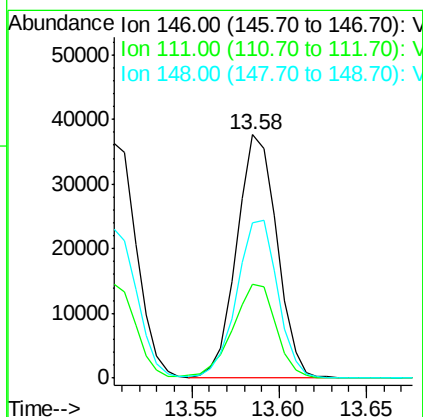
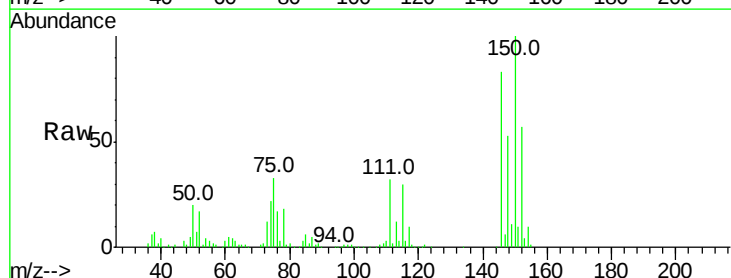
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00587

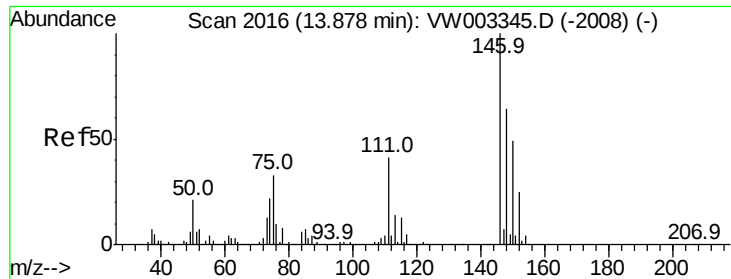
Tgt Ion:146 Resp: 56724
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.9 51.7
 148 63.2 44.9 83.3



#64
 1,4-Dichlorobenzene
 Concen: 5.476 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

Tgt Ion:146 Resp: 60362
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.8 49.8
 148 63.8 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 5.599 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Instrument :

MSVOA_W

ClientSampleId :

VSTD00587

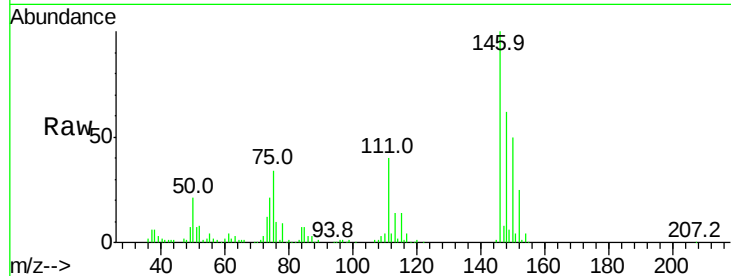
Tgt Ion:146 Resp: 55821

Ion Ratio Lower Upper

146 100

111 39.7 33.1 49.7

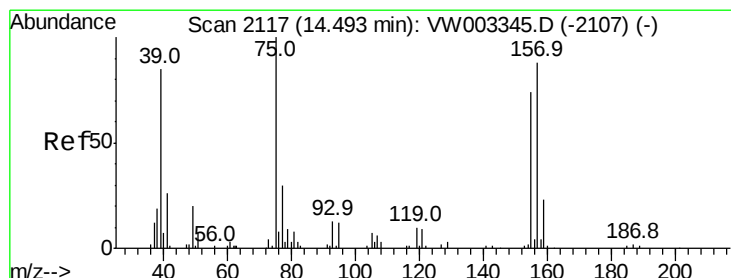
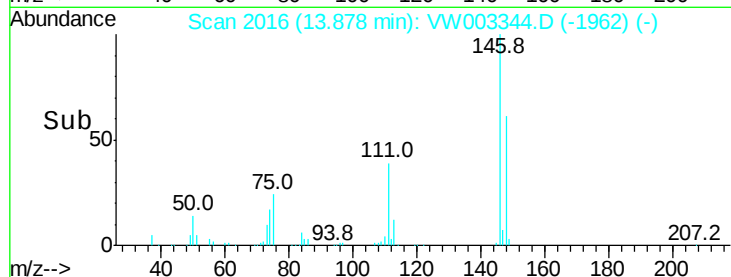
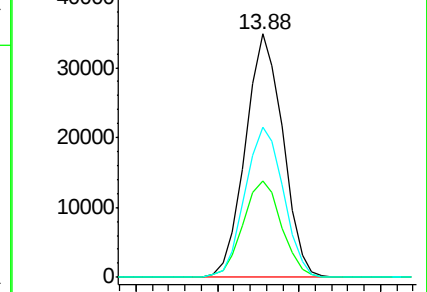
148 61.5 51.0 76.6



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: 5.528 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

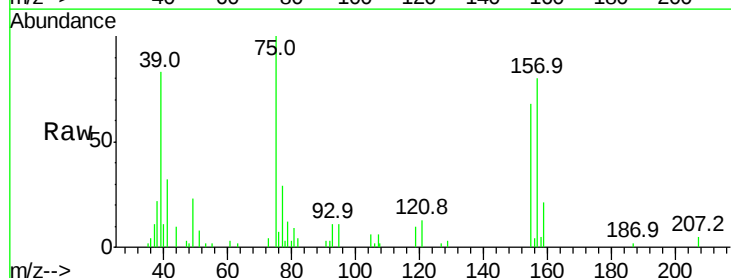
Tgt Ion: 75 Resp: 4724

Ion Ratio Lower Upper

75 100

157 80.0 70.7 106.1

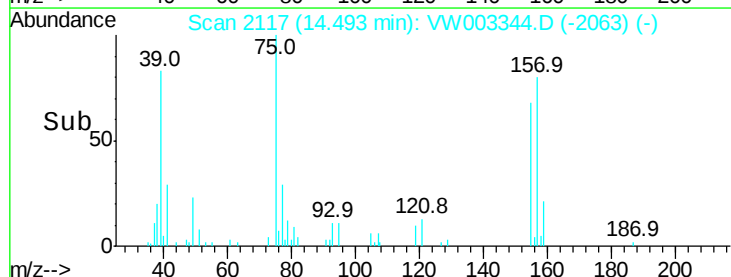
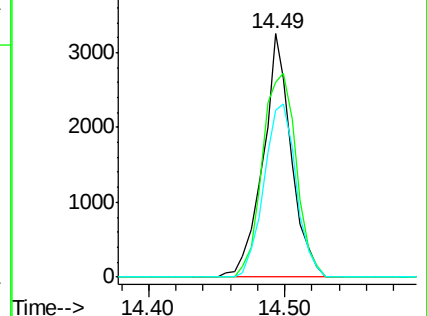
155 68.3 59.0 88.6

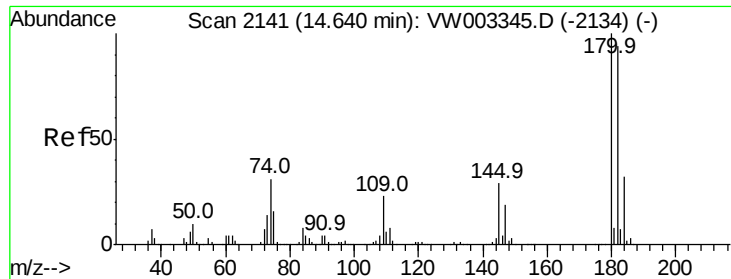


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

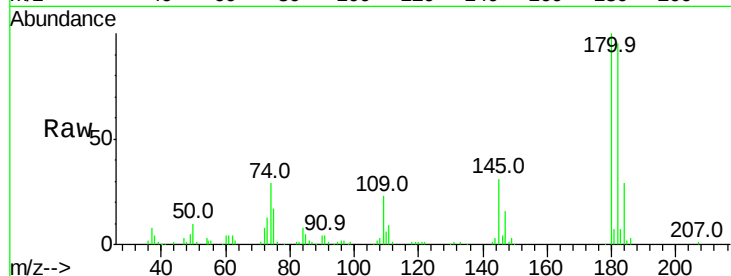




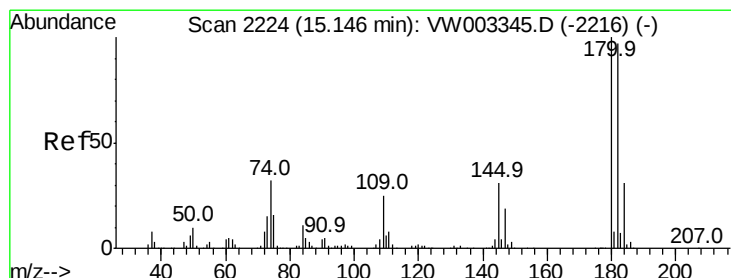
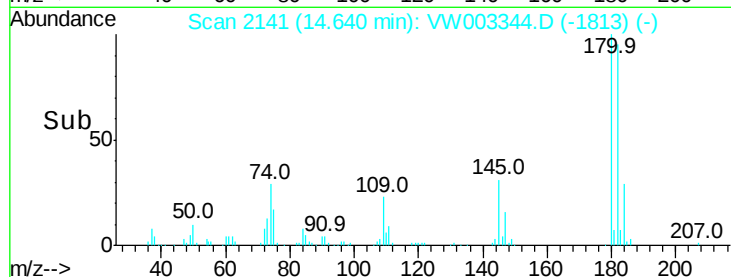
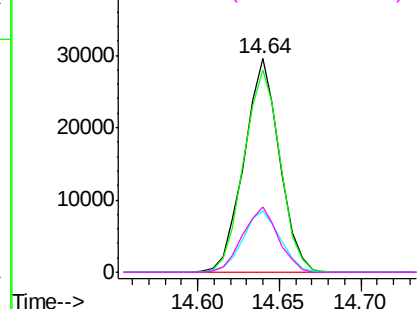
#67
 1,3,5-Trichlorobenzene
 Concen: 5.422 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00587

Tgt Ion:180 Resp: 44773
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.9 113.9
 184 30.4 24.5 36.7
 145 30.9 23.4 35.2

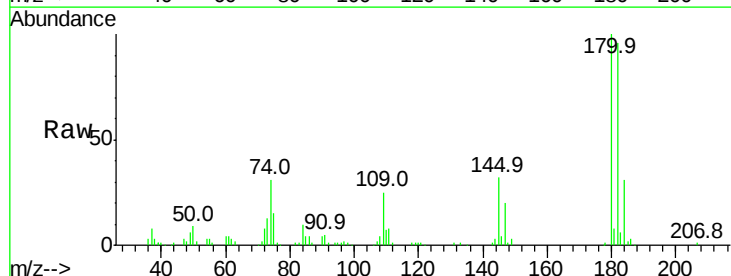


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

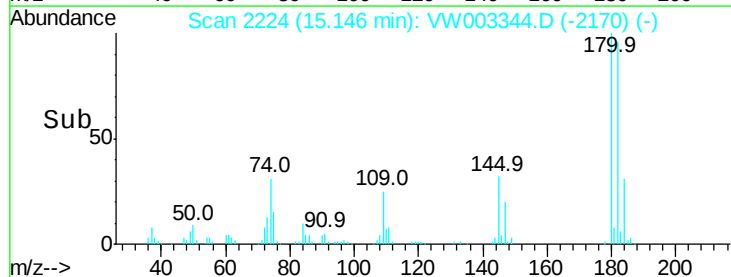
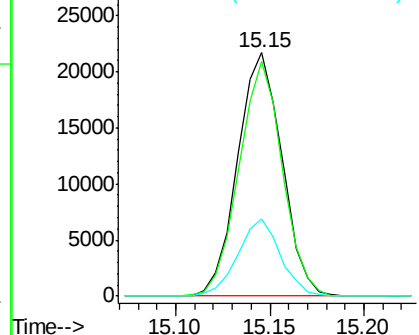


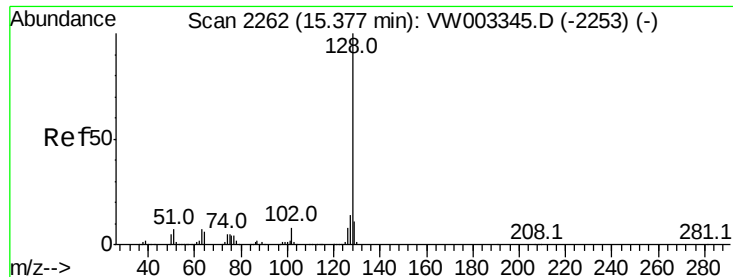
#68
 1,2,4-trichlorobenzene
 Concen: 5.245 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003344.D
 Acq: 20 Jun 2018 10:03

Tgt Ion:180 Resp: 35435
 Ion Ratio Lower Upper
 180 100
 182 93.9 74.8 112.2
 145 30.6 23.6 35.4



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





#69

Naphthalene

Concen: 4.664 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

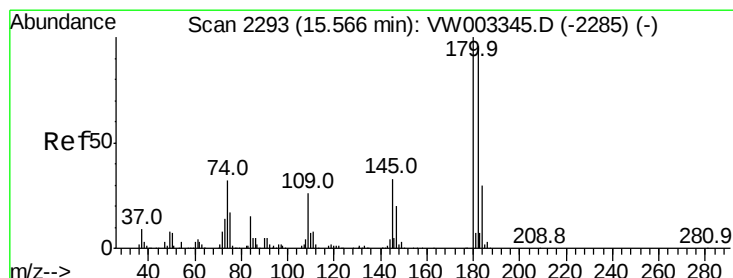
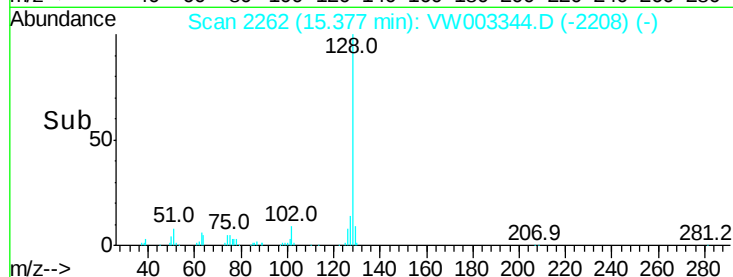
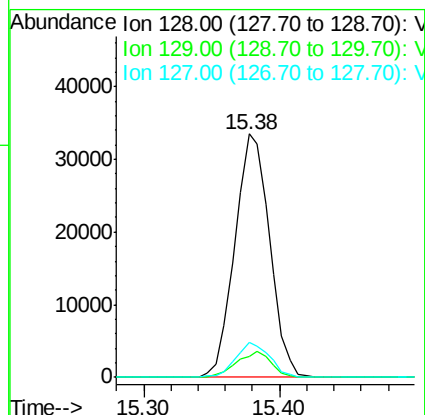
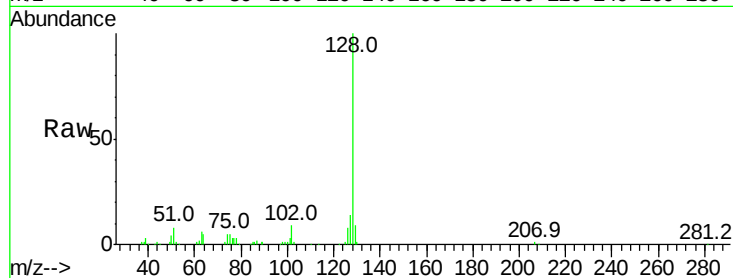
Instrument :

MSVOA_W

ClientSampleId :

VSTD00587

Tgt Ion:	128	Resp:	59856
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	14.1	10.9	16.3



#70

1,2,3-Trichlorobenzene

Concen: 5.339 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003344.D

Acq: 20 Jun 2018 10:03

Tgt Ion:	180	Resp:	33505
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.4	113.0
145	30.7	25.4	38.2

