

Data File : VW003345.D
Acq On : 20 Jun 2018 10:29
Operator : SY/AP
Sample : VSTD02588
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

Quant Time: Jun 20 11:27:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 19 17:19:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	406668	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	382793	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	193810	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	143538	27.52	ug/L	0.00
7) Chloroethane-d5	2.89	69	118278	23.28	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	276380	26.49	ug/L	0.00
20) 2-Butanone-d5	7.10	46	82867	46.25	ug/L	0.00
24) Chloroform-d	7.65	84	272242	25.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	160557	25.14	ug/L	0.00
29) Benzene-d6	8.28	84	526214	25.97	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	163977	25.58	ug/L	0.00
37) Toluene-d8	10.33	98	511098	25.97	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	76099	25.05	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	65717	46.17	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	147268	23.70	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	187302	24.54	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	45876	27.112	ug/L	98
3) Chloromethane	2.21	50	113107	26.656	ug/L	100
5) Vinyl chloride	2.36	62	166622	25.304	ug/L	98
6) Bromomethane	2.78	94	96191	22.859	ug/L	99
8) Chloroethane	2.93	64	98698	22.409	ug/L	99
9) Trichlorofluoromethane	3.25	101	94322	22.121	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	128931	25.384	ug/L	98
12) 1,1-Dichloroethene	4.03	96	122509	25.448	ug/L	92
13) Acetone	4.15	43	91972	50.323	ug/L #	88
14) Carbon disulfide	4.37	76	404365	25.903	ug/L	100
15) Methyl Acetate	4.68	43	69642	24.463	ug/L	99
16) Methylene chloride	4.92	84	128966	20.788	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	231143	25.272	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	128476	25.375	ug/L	99
19) 1,1-Dichloroethane	6.21	63	238414	25.866	ug/L	98
21) 2-Butanone	7.19	43	106616	51.375	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	137181	25.605	ug/L	98
23) Bromochloromethane	7.52	128	61883	24.331	ug/L	94
25) Chloroform	7.68	83	246426	25.308	ug/L	100
27) 1,2-Dichloroethane	8.40	62	181067	25.892	ug/L	98
30) Cyclohexane	7.96	56	224500	26.509	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	203204	25.191	ug/L	99
32) Carbon tetrachloride	8.07	117	197136	25.442	ug/L	99
34) Benzene	8.33	78	535095	25.505	ug/L	100
35) Trichloroethene	9.10	95	141304	25.215	ug/L	99
36) Methylcyclohexane	9.34	83	252243	26.184	ug/L	100
40) 1,2-Dichloropropane	9.37	63	139335	25.802	ug/L	100
41) Bromodichloromethane	9.65	83	179439	25.667	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	214737	25.765	ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	196844	48.065	ug/L	98

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	590834	25.880	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	194232	25.900	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	105083	25.264	ug/L	97
47) Tetrachloroethene	10.87	164	119304	25.383	ug/L	99
49) 2-Hexanone	10.98	43	160166	54.158	ug/L	100
50) Dibromochloromethane	11.13	129	126567	24.986	ug/L	97
51) 1,2-Dibromoethane	11.24	107	101912	24.734	ug/L	96
52) Chlorobenzene	11.66	112	373506	25.053	ug/L	99
53) Ethylbenzene	11.74	91	663785	25.647	ug/L	99
54) m,p-Xylene	11.85	106	249673	26.084	ug/L	94
55) o-xylene	12.17	106	234678	25.780	ug/L	96
56) Styrene	12.19	104	409621	25.825	ug/L	100
57) Isopropylbenzene	12.47	105	661971	26.053	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	134839	24.485	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	103423	24.658	ug/L	99
62) Bromoform	12.35	173	78388	24.811	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	291753	25.309	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	302811	25.130	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	280593	25.747	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23500	25.157	ug/L	94
67) 1,3,5-Trichlorobenzene	14.64	180	229711	25.445	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	188621	25.540	ug/L	98
69) Naphthalene	15.38	128	353261	25.177	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	175315	25.553	ug/L	99

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

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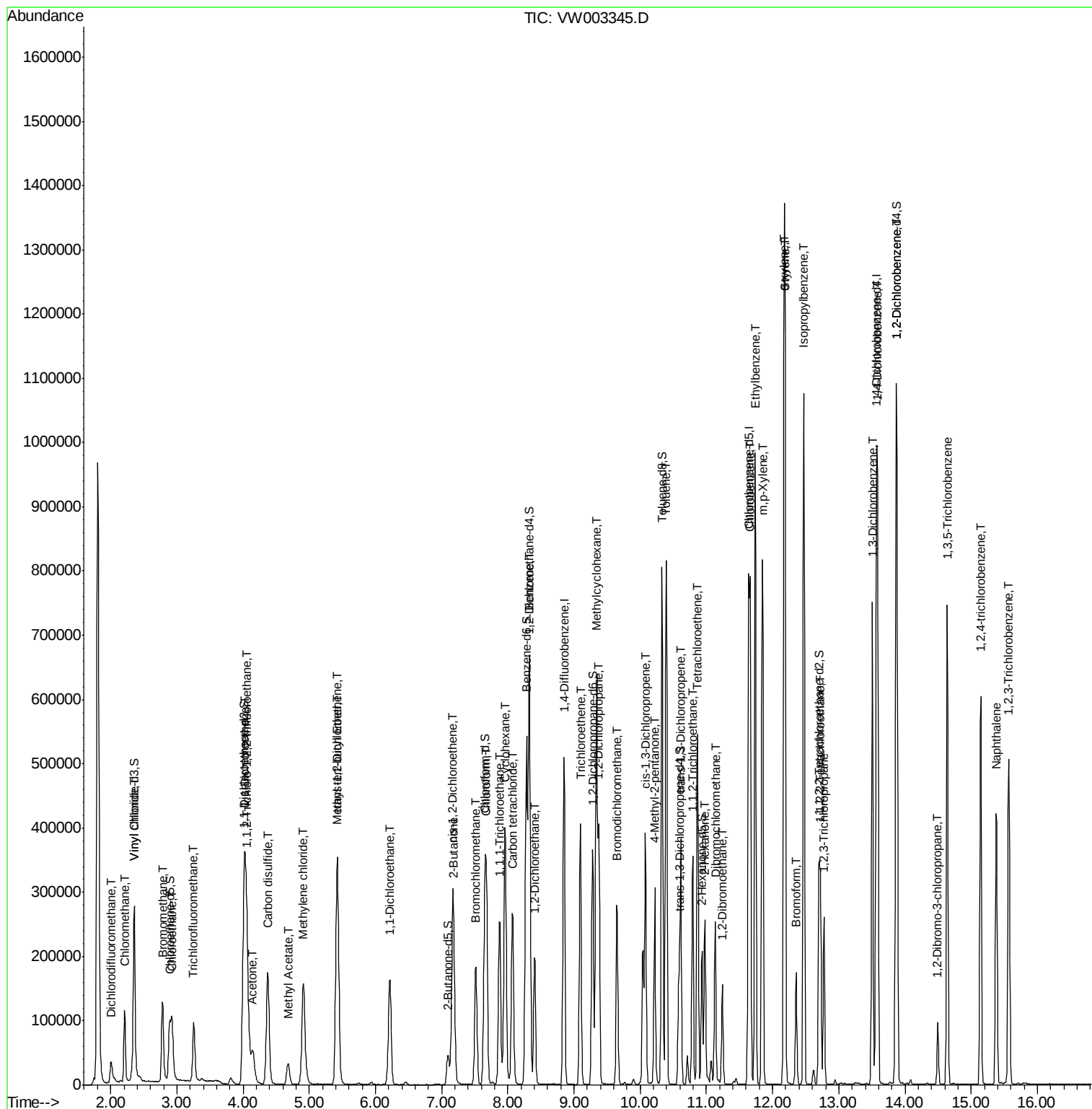
Quant Time: Jun 20 11:27:51 2018

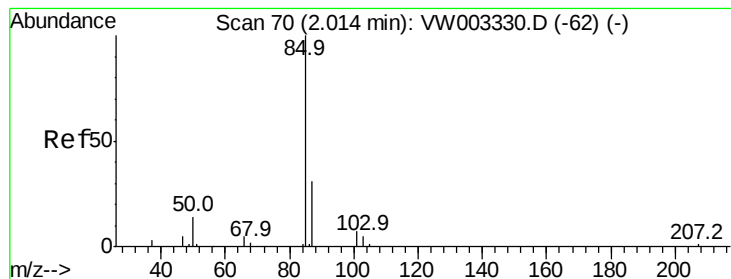
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M

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#2

Dichlorodifluoromethane

Concen: 27.112 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

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Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

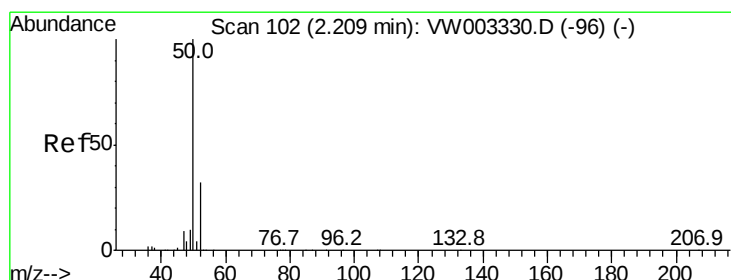
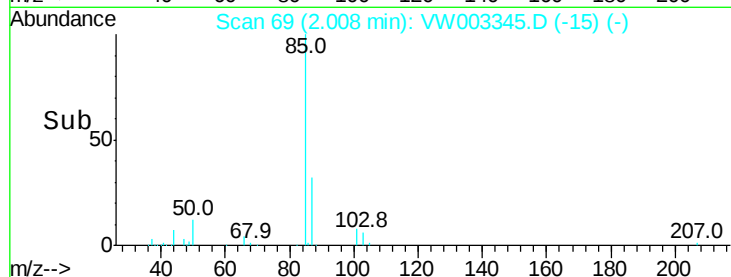
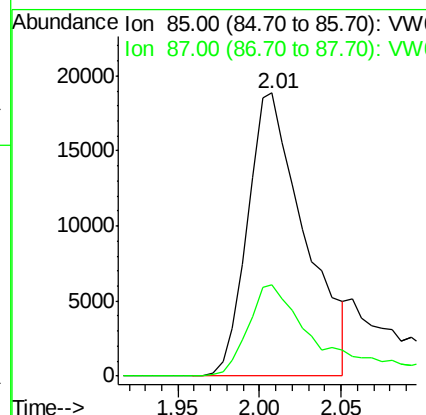
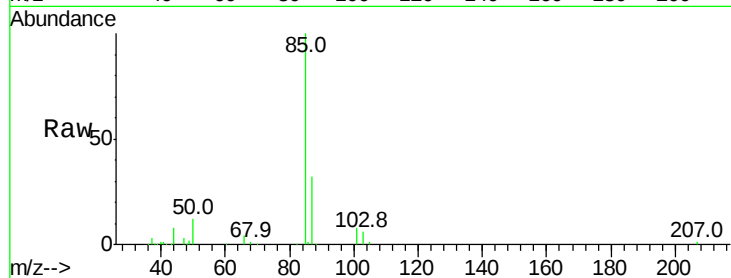
VSTD02588

Tgt Ion: 85 Resp: 45876

Ion Ratio Lower Upper

85 100

87 29.4 19.9 36.9



#3

Chloromethane

Concen: 26.656 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003345.D

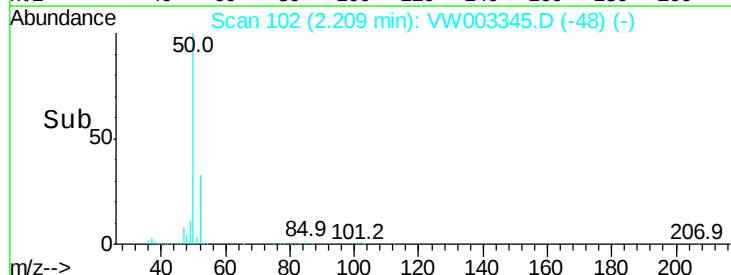
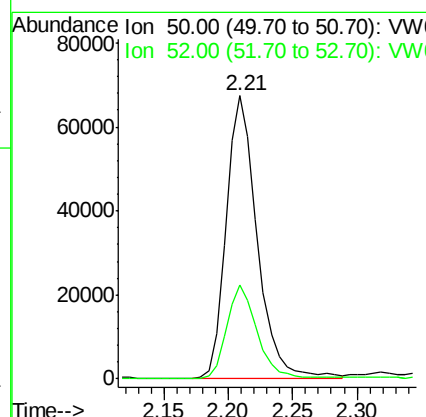
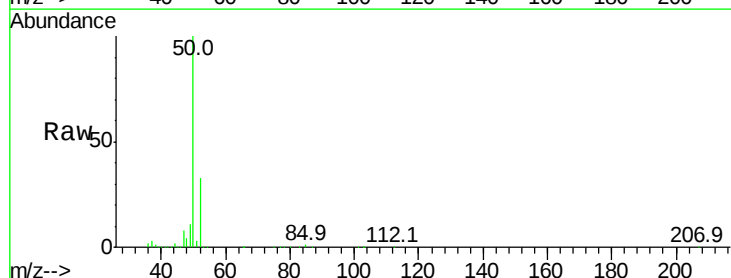
Acq: 20 Jun 2018 10:29

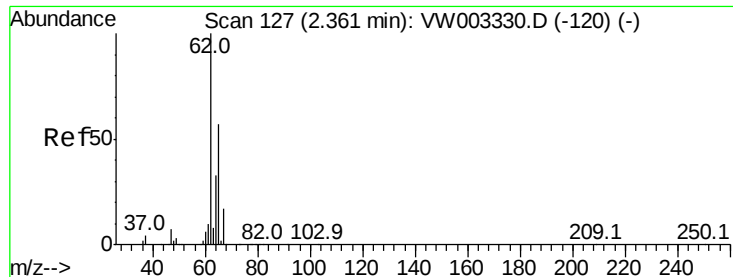
Tgt Ion: 50 Resp: 113107

Ion Ratio Lower Upper

50 100

52 33.3 23.5 43.7





#5

Vinyl chloride

Concen: 25.304 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

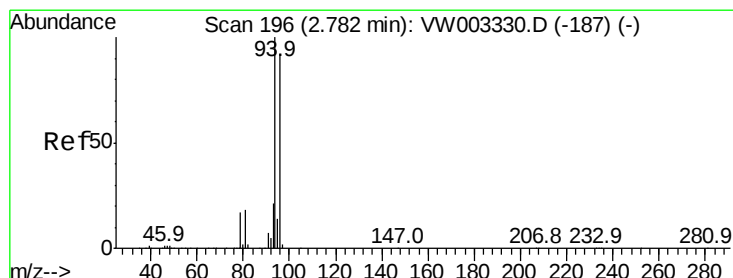
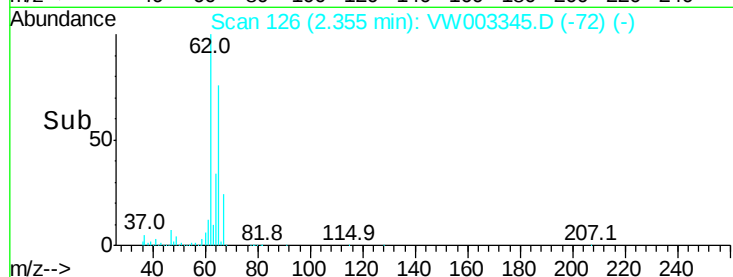
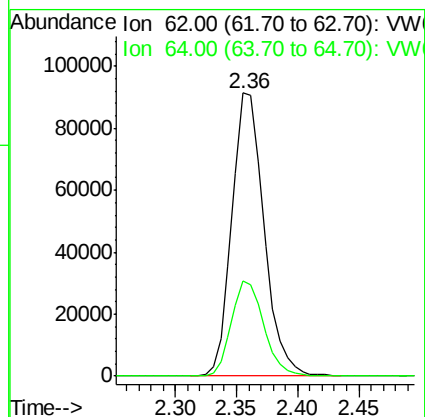
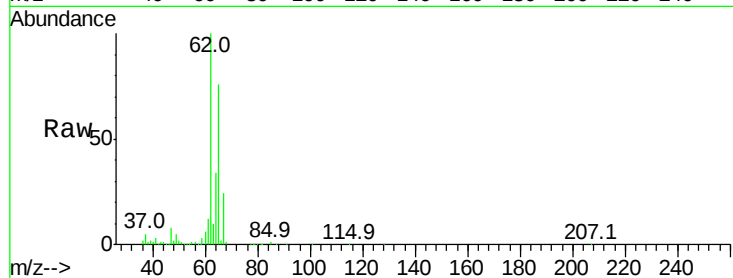
VSTD02588

Tgt Ion: 62 Resp: 166622

Ion Ratio Lower Upper

62 100

64 33.6 22.8 42.4



#6

Bromomethane

Concen: 22.859 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003345.D

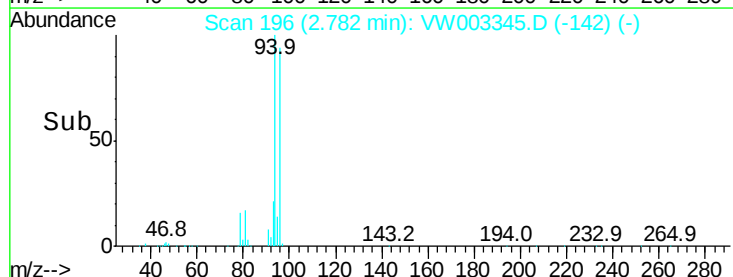
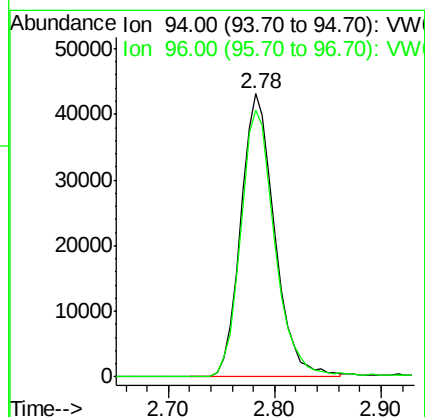
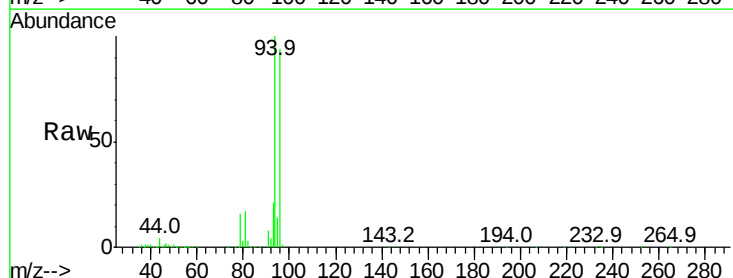
Acq: 20 Jun 2018 10:29

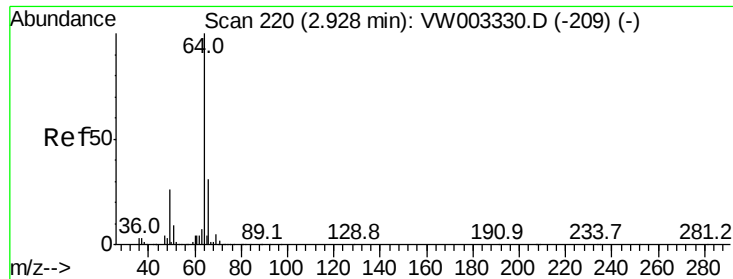
Tgt Ion: 94 Resp: 96191

Ion Ratio Lower Upper

94 100

96 94.9 9.4 179.0





#8

Chloroethane

Concen: 22.409 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

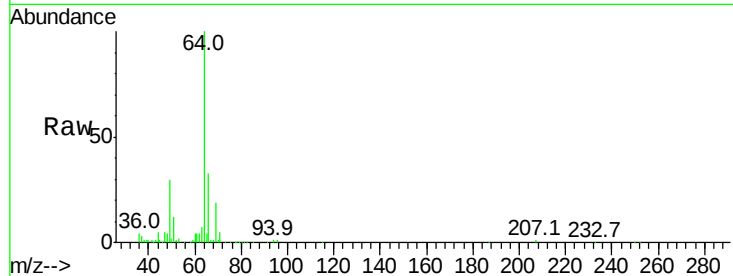
VSTD02588

Tgt Ion: 64 Resp: 98698

Ion Ratio Lower Upper

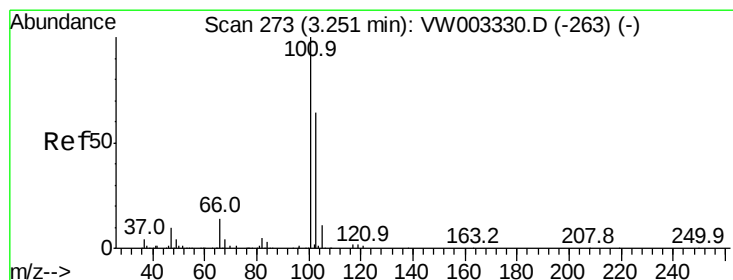
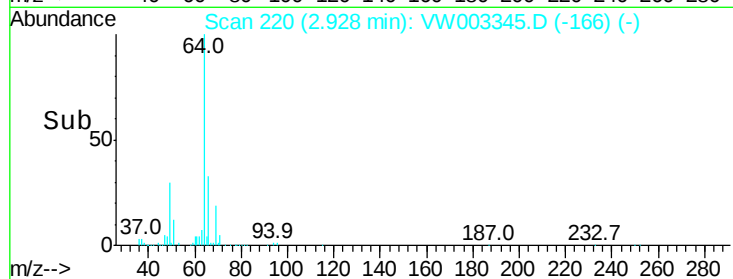
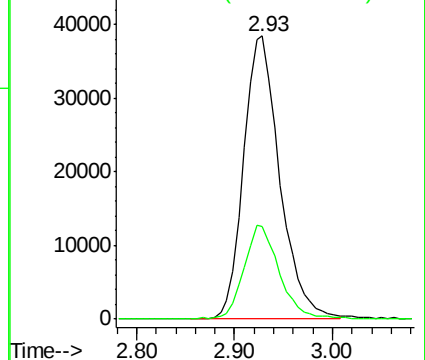
64 100

66 32.7 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 22.121 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW003345.D

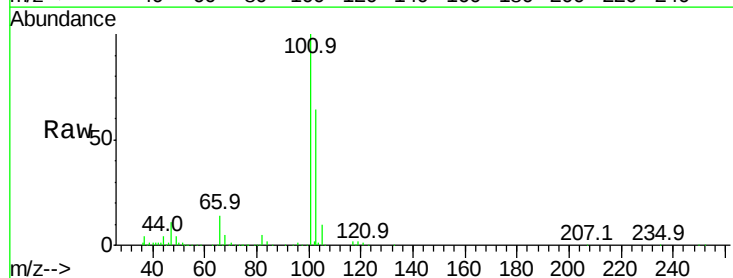
Acq: 20 Jun 2018 10:29

Tgt Ion: 101 Resp: 94322

Ion Ratio Lower Upper

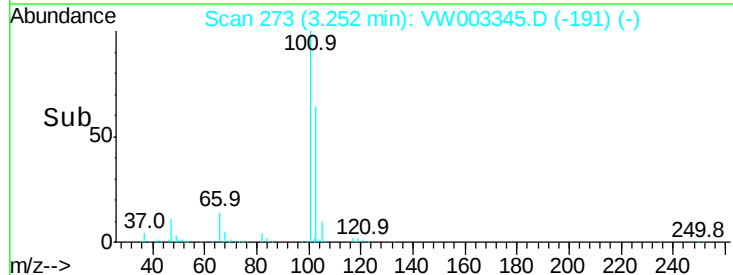
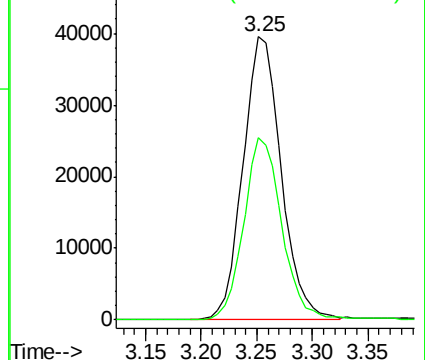
101 100

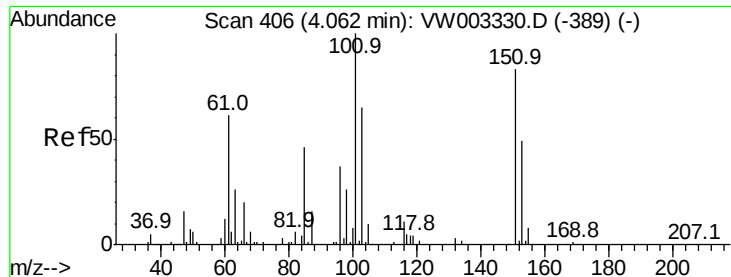
103 64.4 45.2 84.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 25.384 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

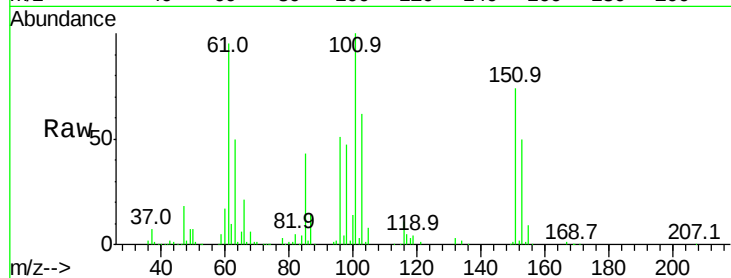
Tgt Ion:101 Resp: 128931

Ion Ratio Lower Upper

101 100

85 44.2 36.4 54.6

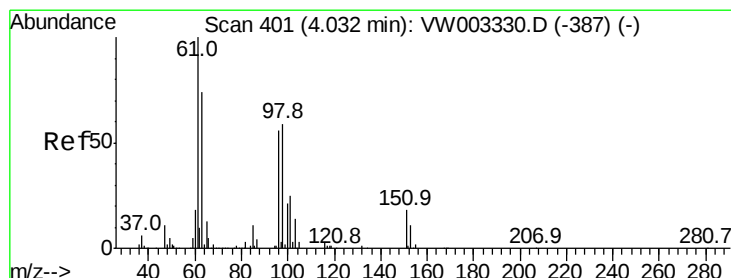
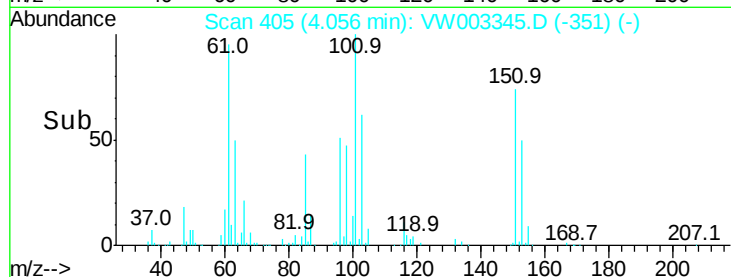
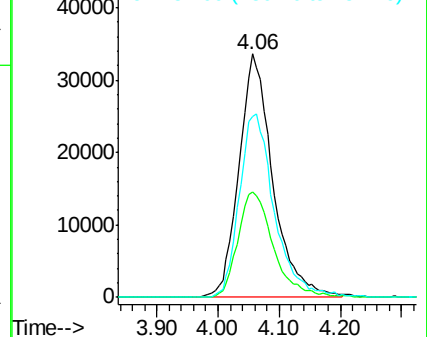
151 76.7 63.3 94.9



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: 25.448 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

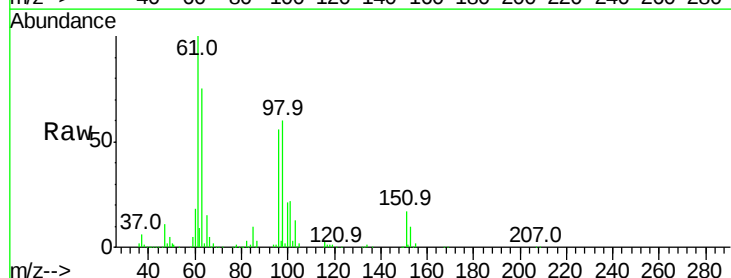
Tgt Ion: 96 Resp: 122509

Ion Ratio Lower Upper

96 100

61 177.3 127.5 236.7

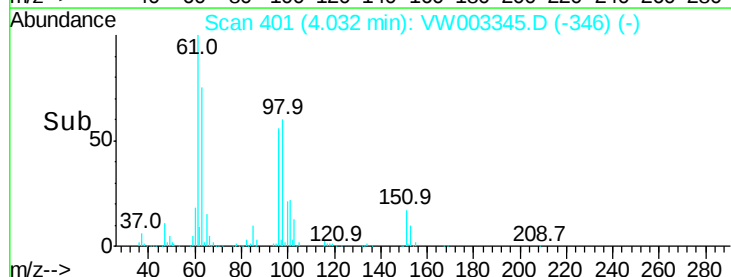
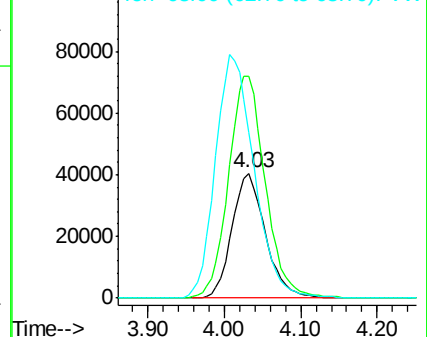
63 133.0 82.4 153.0

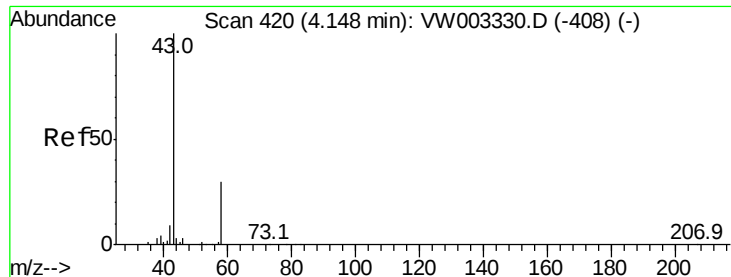


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.323 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampled :

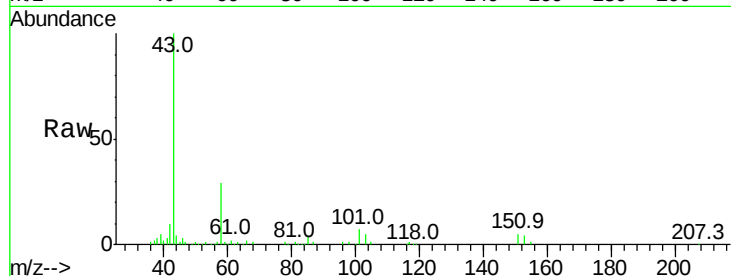
VSTD02588

Tgt Ion: 43 Resp: 91972

Ion Ratio Lower Upper

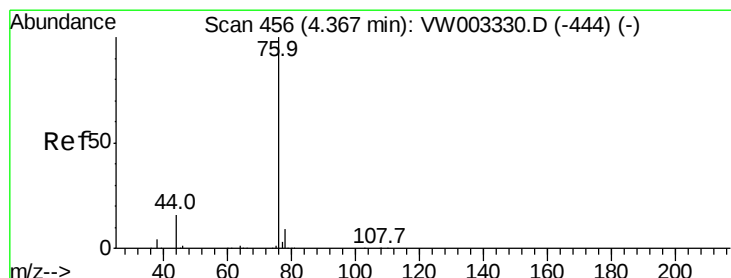
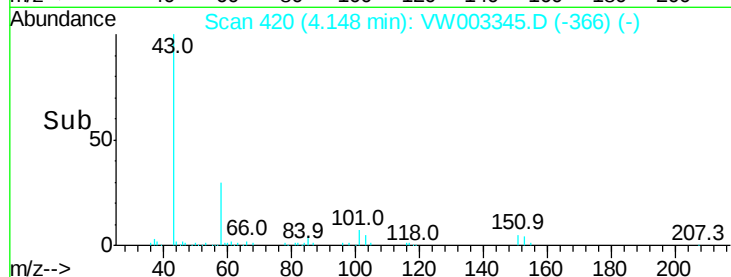
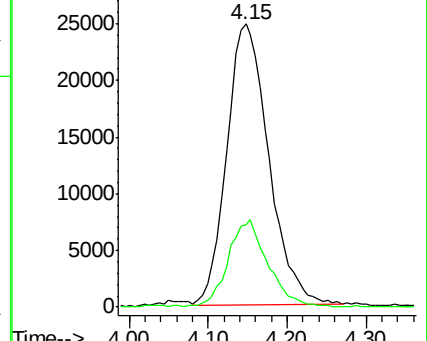
43 100

58 29.3 0.0 0.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.903 ug/L

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW003345.D

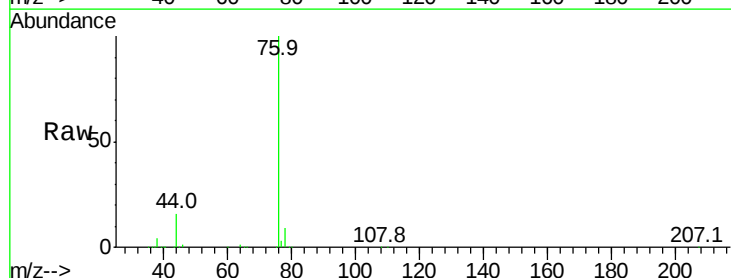
Acq: 20 Jun 2018 10:29

Tgt Ion: 76 Resp: 404365

Ion Ratio Lower Upper

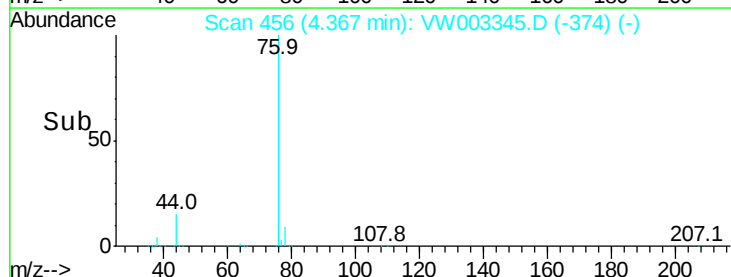
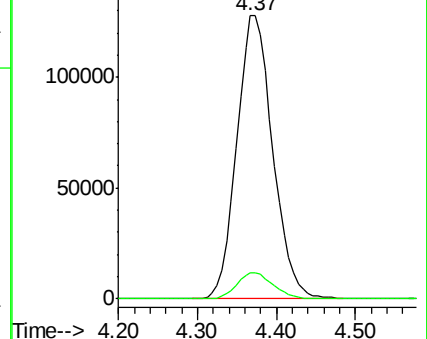
76 100

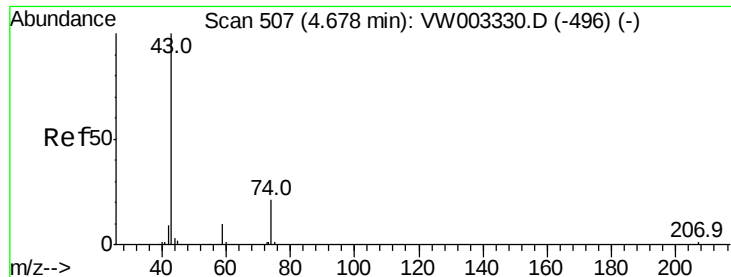
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 24.463 ug/L

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW003345.D

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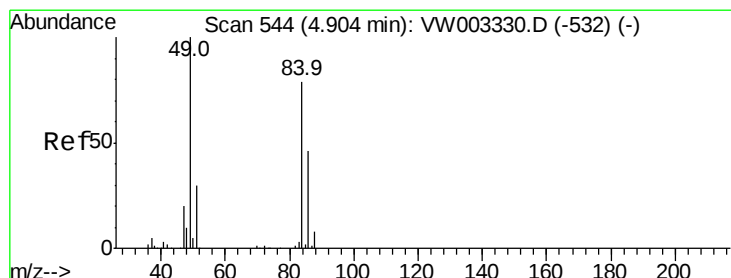
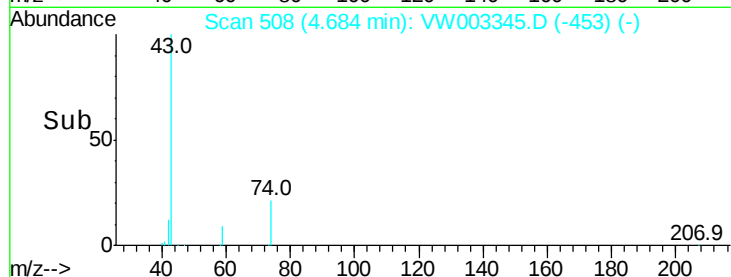
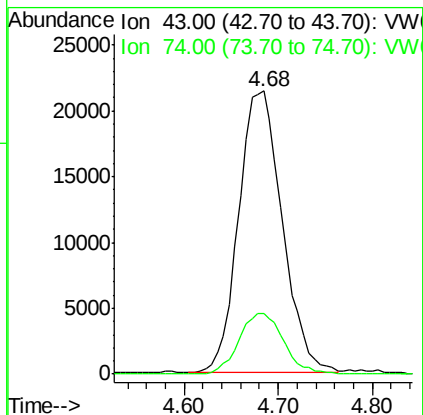
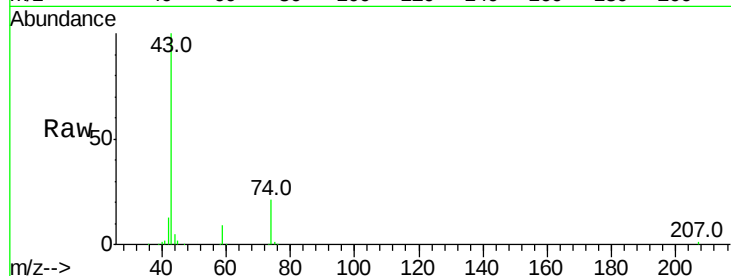
VSTD02588

Tgt Ion: 43 Resp: 69642

Ion Ratio Lower Upper

43 100

74 21.9 17.8 26.8



#16

Methylene chloride

Concen: 20.788 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

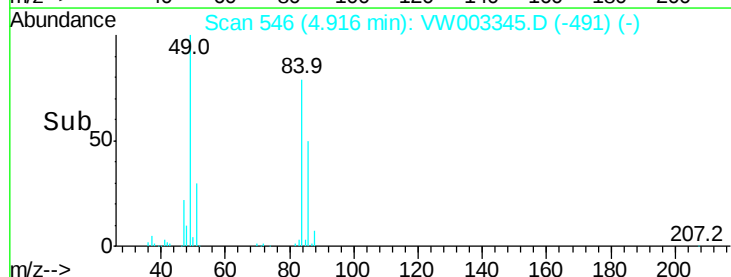
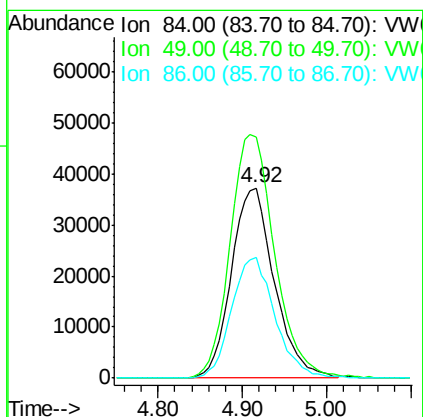
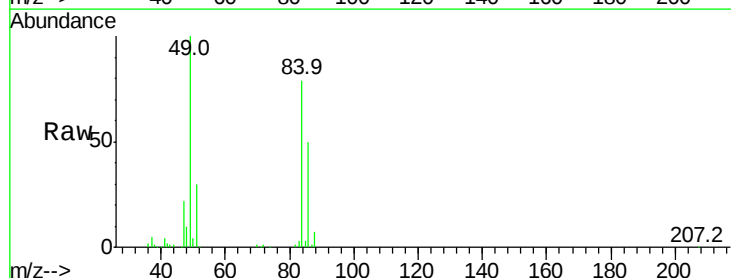
Tgt Ion: 84 Resp: 128966

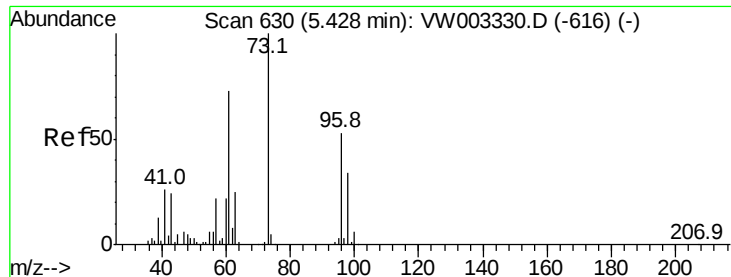
Ion Ratio Lower Upper

84 100

49 126.7 91.8 170.4

86 63.1 43.5 80.7

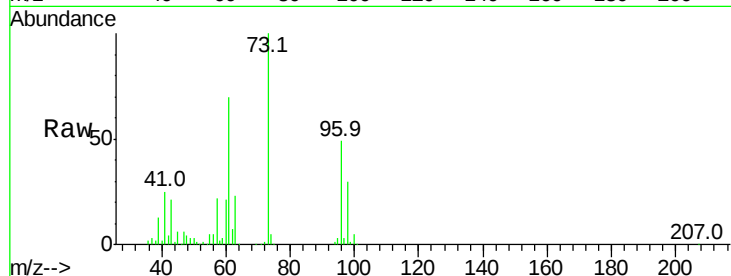




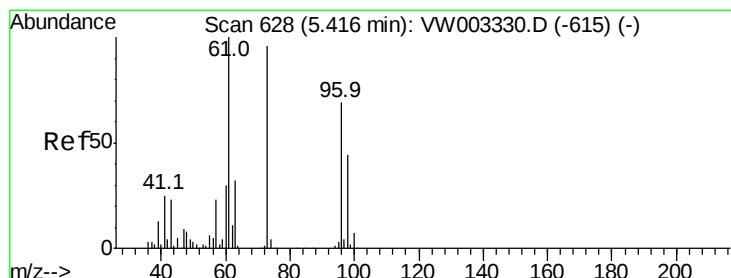
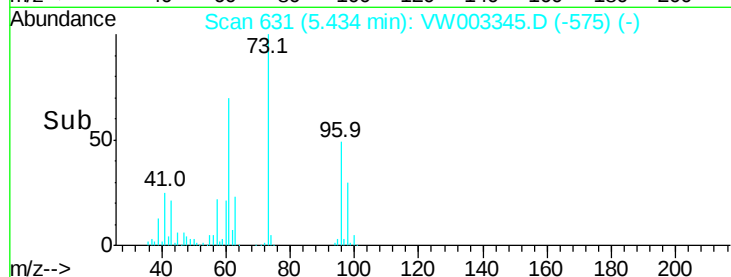
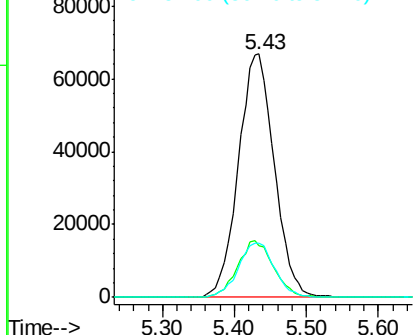
#17
Methyl tert-butyl Ether
Concen: 25.272 ug/L
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW003345.D
Acq: 20 Jun 2018 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

Tgt Ion: 73 Resp: 231143
Ion Ratio Lower Upper
73 100
43 23.2 18.3 27.5
57 22.6 17.8 26.8

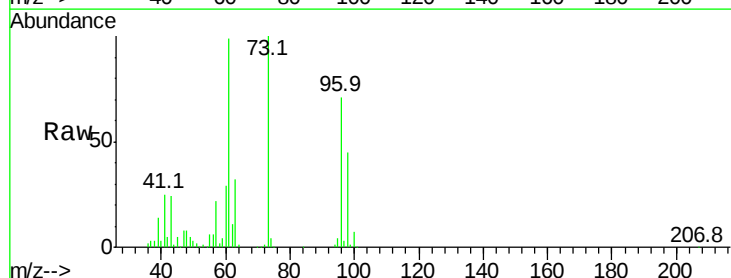


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

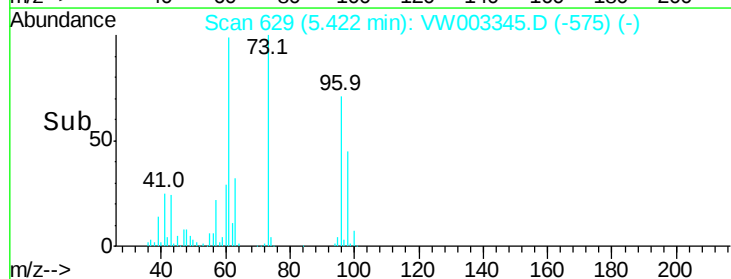
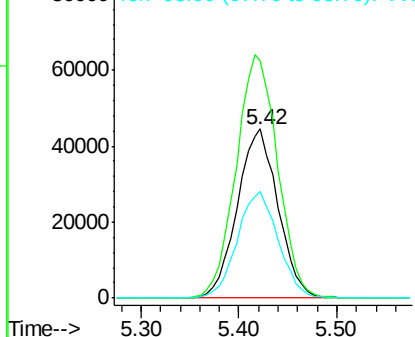


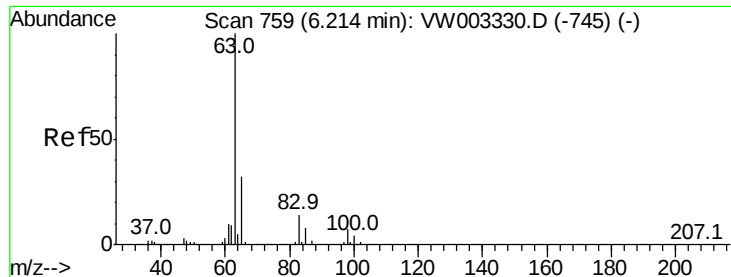
#18
trans-1,2-Dichloroethene
Concen: 25.375 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW003345.D
Acq: 20 Jun 2018 10:29

Tgt Ion: 96 Resp: 128476
Ion Ratio Lower Upper
96 100
61 140.0 98.5 182.9
98 63.2 44.9 83.5



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: 25.866 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

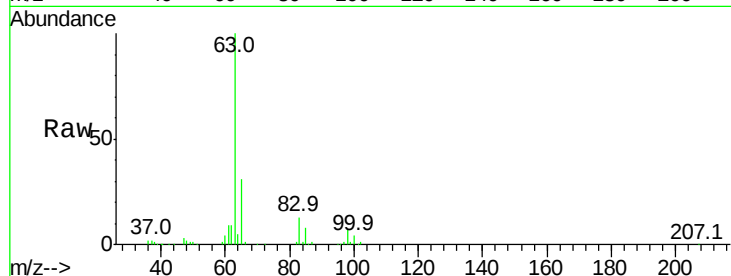
Tgt Ion: 63 Resp: 238414

Ion Ratio Lower Upper

63 100

65 31.1 21.4 39.8

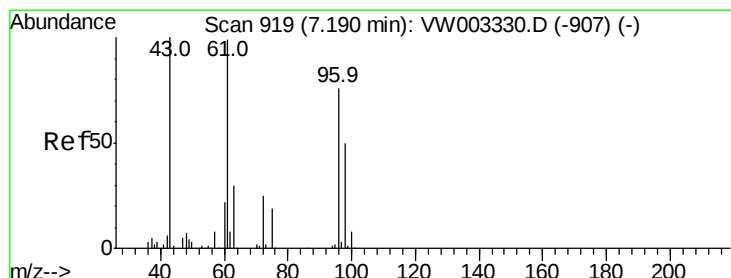
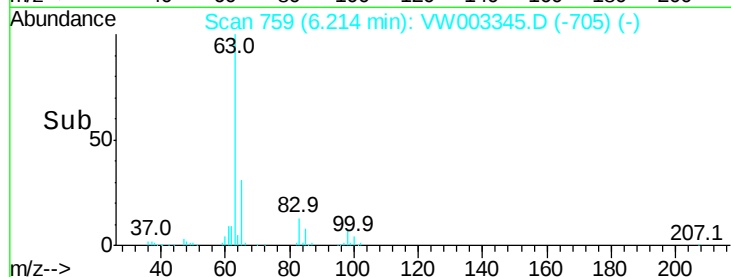
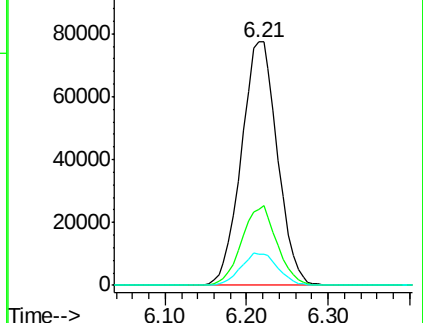
83 12.8 9.8 18.2



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: 51.375 ug/L

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003345.D

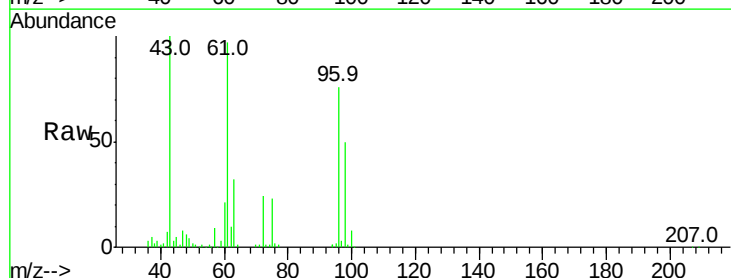
Acq: 20 Jun 2018 10:29

Tgt Ion: 43 Resp: 106616

Ion Ratio Lower Upper

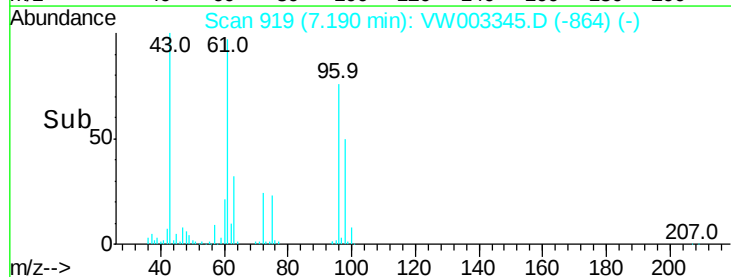
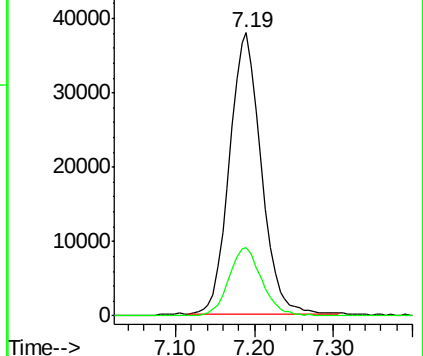
43 100

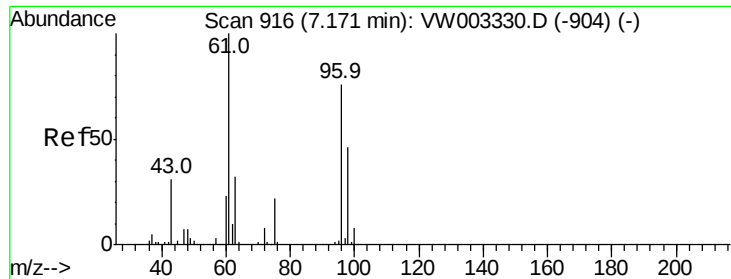
72 25.0 12.4 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



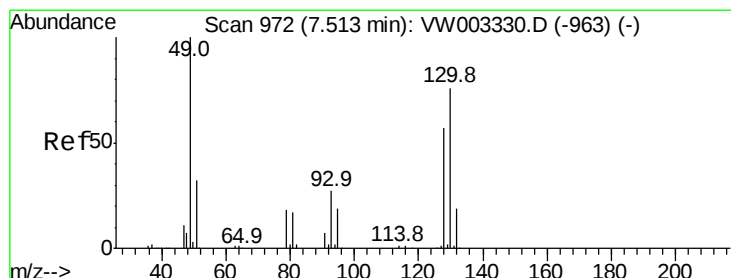
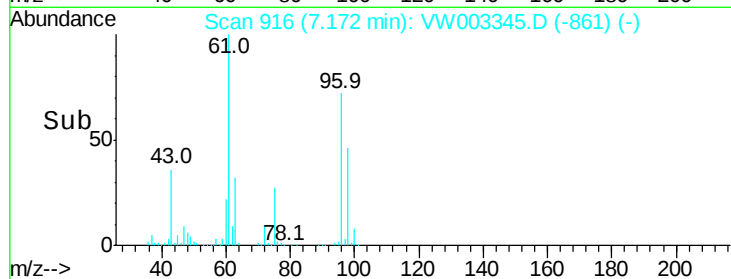
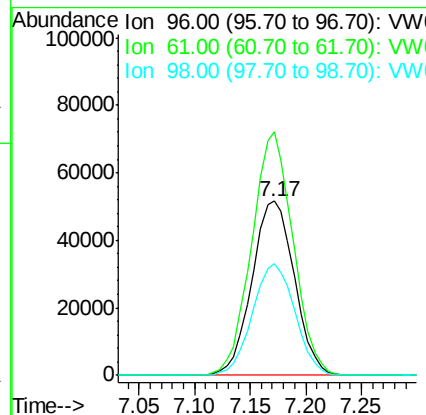
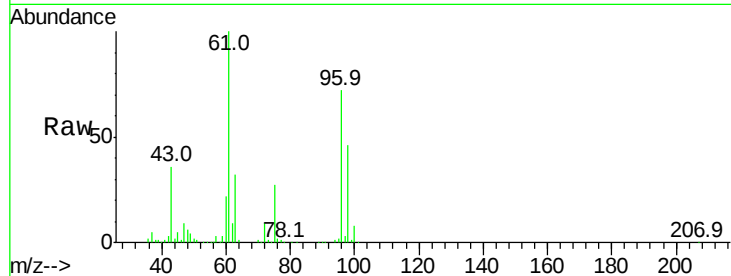


#22

cis-1,2-Dichloroethene
Concen: 25.605 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW003345.D
Acq: 20 Jun 2018 10:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

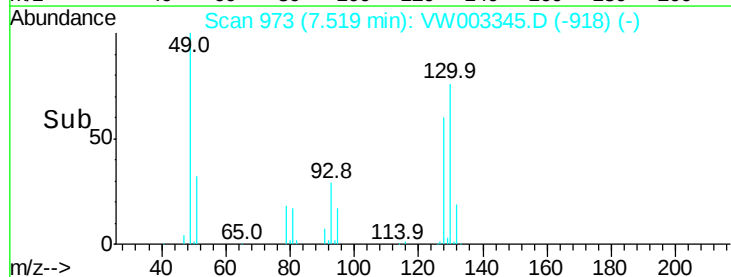
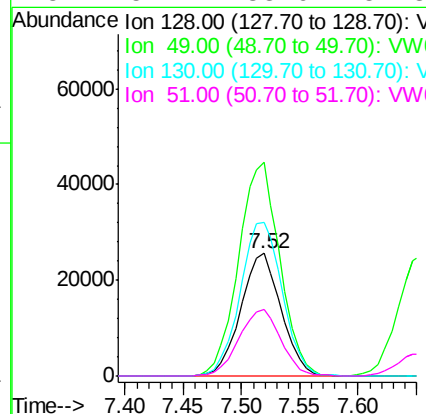
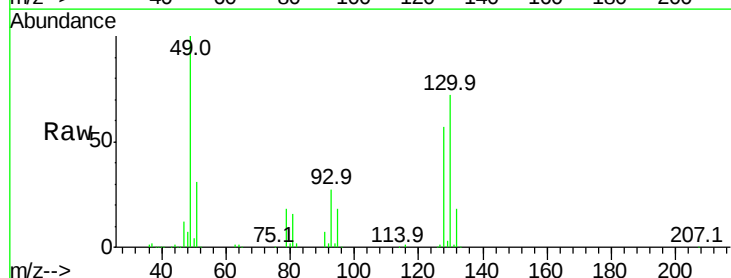
Tgt Ion: 96 Resp: 137181
Ion Ratio Lower Upper
96 100
61 139.6 96.2 178.6
98 64.3 44.5 82.7

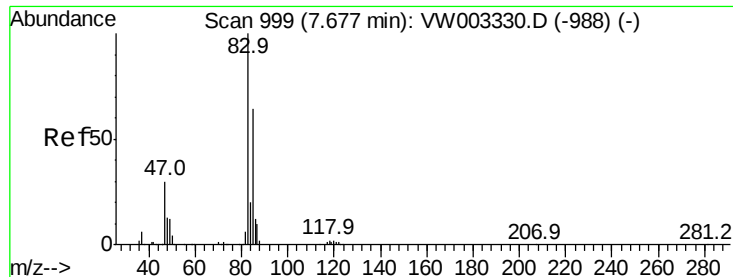


#23

Bromochloromethane
Concen: 24.331 ug/L
RT: 7.52 min Scan# 973
Delta R.T. 0.01 min
Lab File: VW003345.D
Acq: 20 Jun 2018 10:29

Tgt Ion: 128 Resp: 61883
Ion Ratio Lower Upper
128 100
49 174.3 112.4 208.8
130 125.8 88.2 163.8
51 54.4 38.6 57.8





#25

Chloroform

Concen: 25.308 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

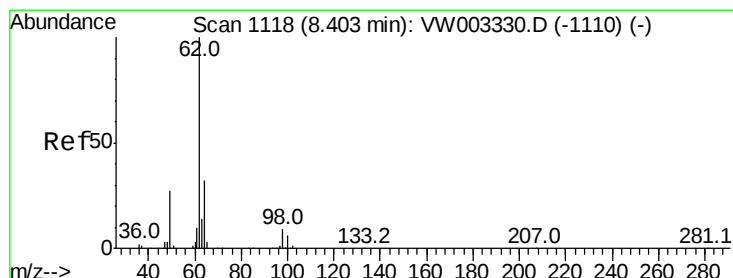
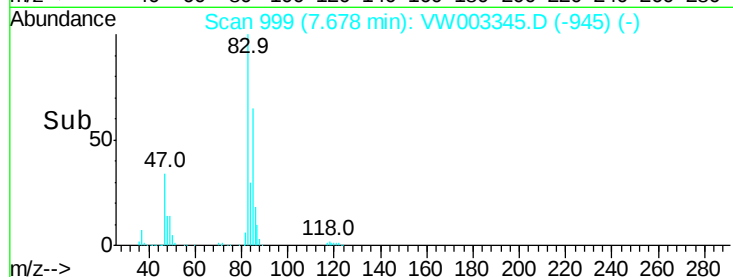
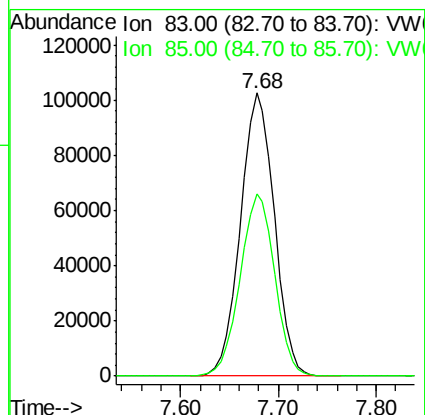
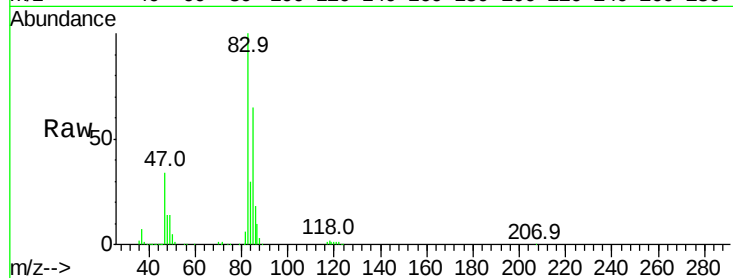
VSTD02588

Tgt Ion: 83 Resp: 246426

Ion Ratio Lower Upper

83 100

85 65.8 46.0 85.4



#27

1,2-Dichloroethane

Concen: 25.892 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003345.D

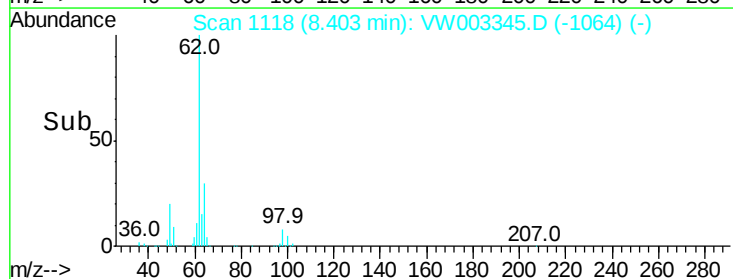
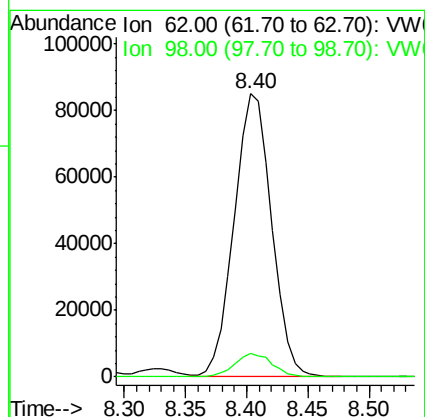
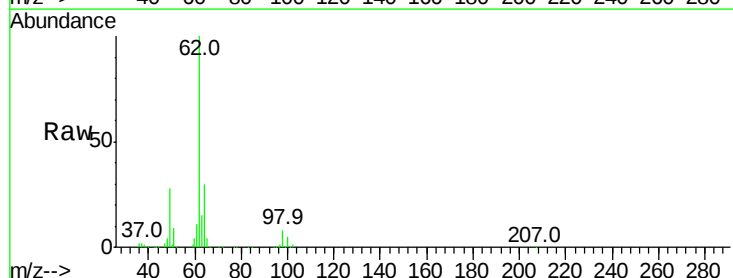
Acq: 20 Jun 2018 10:29

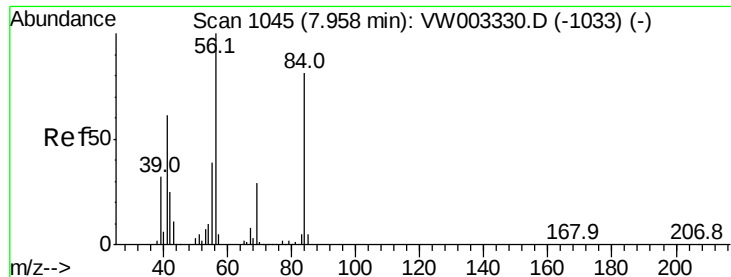
Tgt Ion: 62 Resp: 181067

Ion Ratio Lower Upper

62 100

98 8.1 7.0 10.4

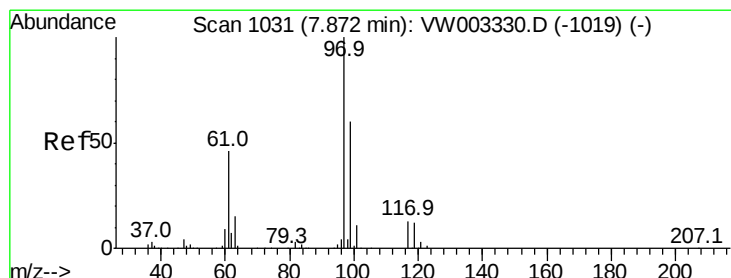
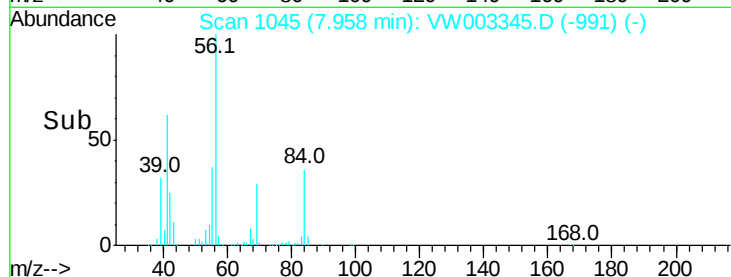
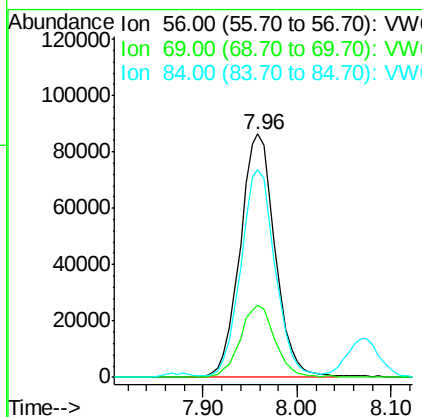
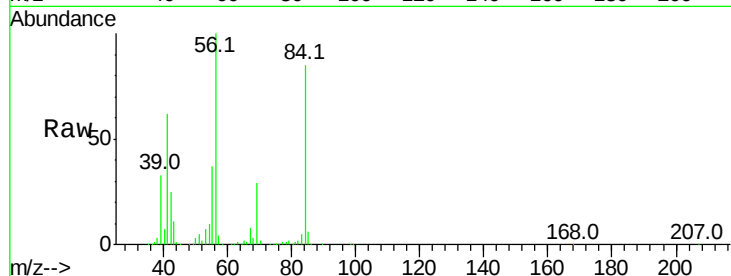




#30
Cyclohexane
Concen: 26.509 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW003345.D
Acq: 20 Jun 2018 10:29

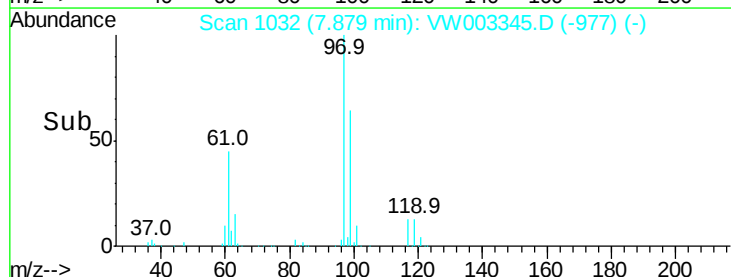
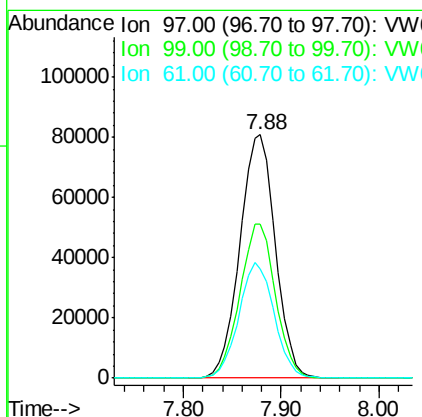
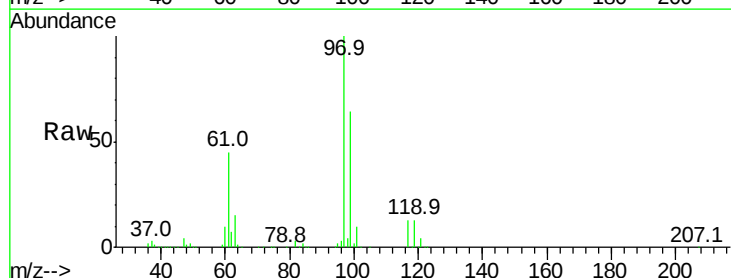
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

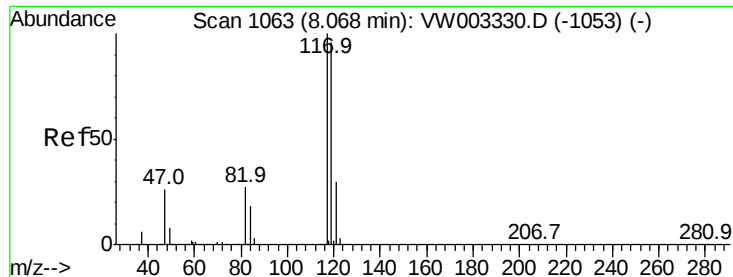
Tgt Ion: 56 Resp: 224500
Ion Ratio Lower Upper
56 100
69 29.3 23.6 35.4
84 84.2 66.8 100.2



#31
1,1,1-Trichloroethane
Concen: 25.191 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW003345.D
Acq: 20 Jun 2018 10:29

Tgt Ion: 97 Resp: 203204
Ion Ratio Lower Upper
97 100
99 63.6 50.6 76.0
61 47.1 37.0 55.4





#32

Carbon tetrachloride

Concen: 25.442 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

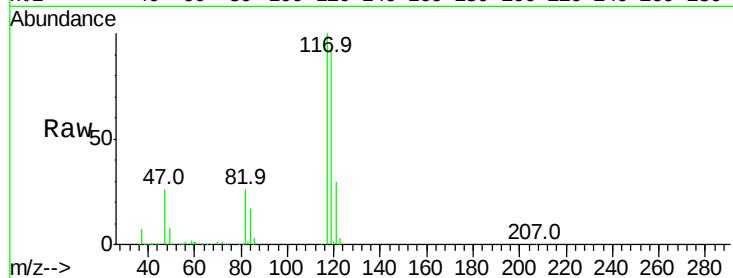
VSTD02588

Tgt Ion:117 Resp: 197136

Ion Ratio Lower Upper

117 100

119 95.7 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

80000

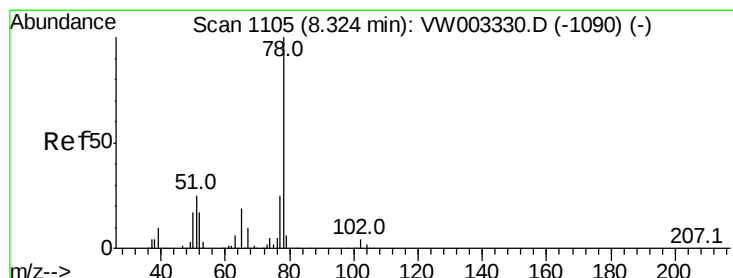
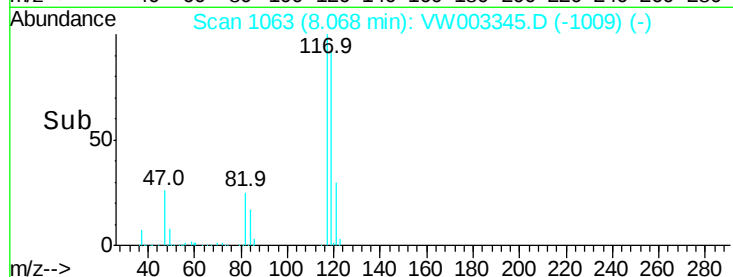
60000

40000

20000

0

Time--> 8.00 8.10 8.20



#34

Benzene

Concen: 25.505 ug/L

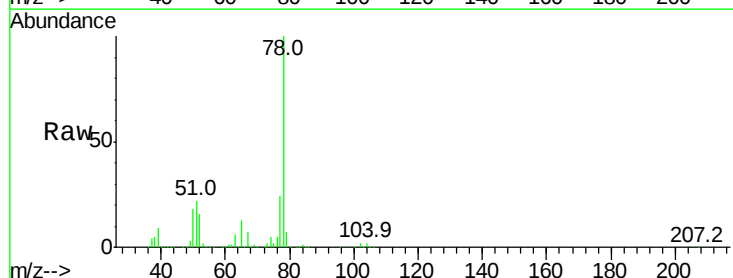
RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Tgt Ion: 78 Resp: 535095



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

250000

200000

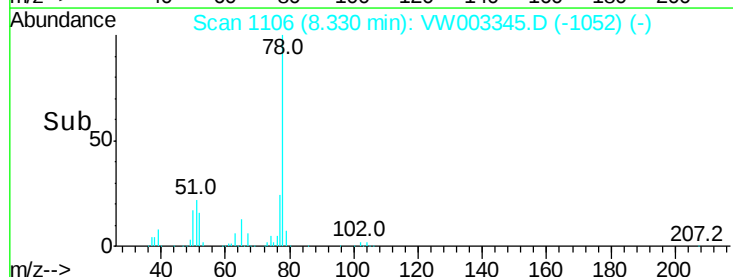
150000

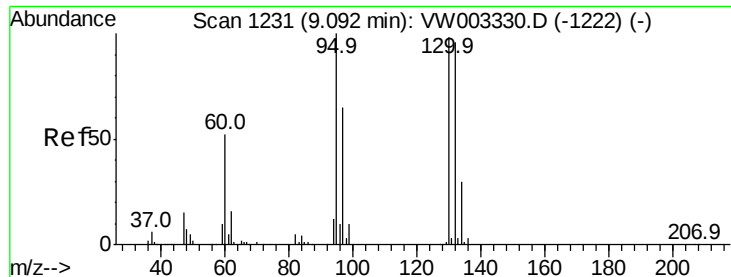
100000

50000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 25.215 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

Tgt Ion: 95 Resp: 141304

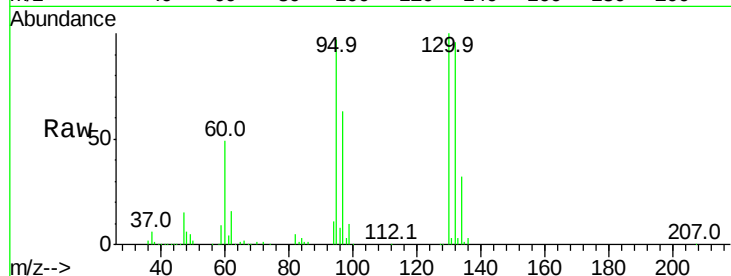
Ion Ratio Lower Upper

95 100

97 65.1 45.1 83.7

132 96.8 68.1 126.5

130 100.8 70.3 130.7

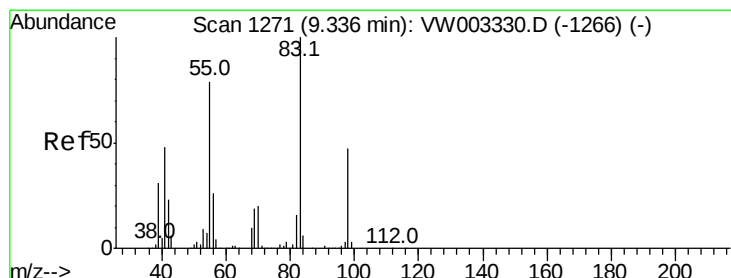
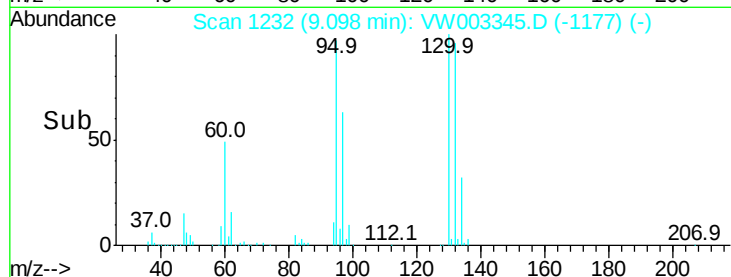
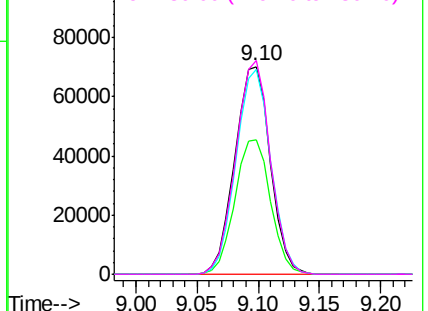


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.184 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

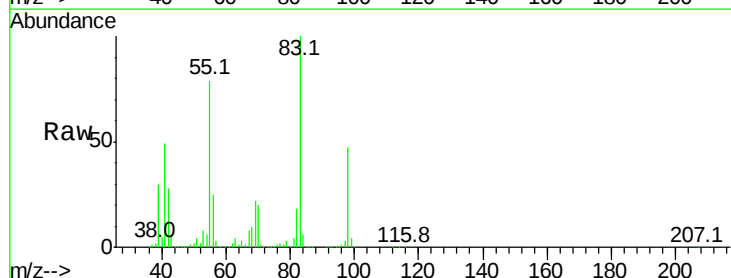
Tgt Ion: 83 Resp: 252243

Ion Ratio Lower Upper

83 100

55 79.9 63.8 95.8

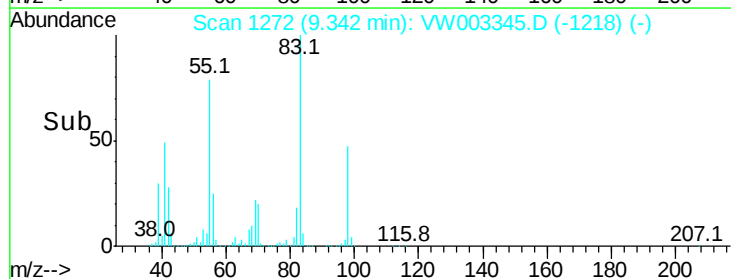
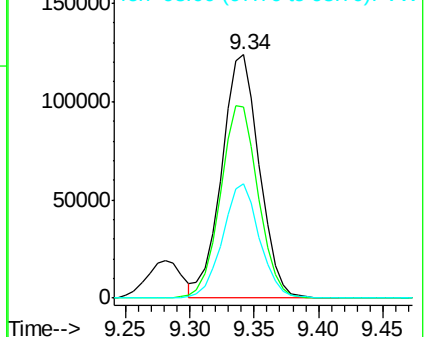
98 46.4 37.0 55.4

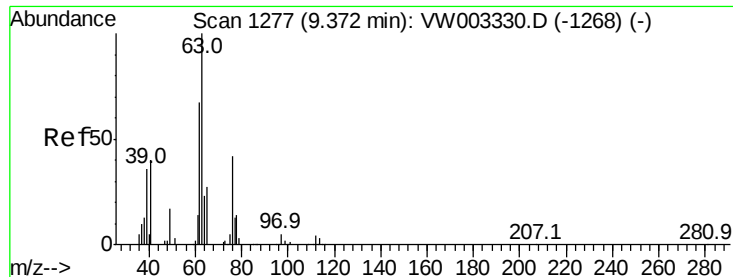


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 25.802 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

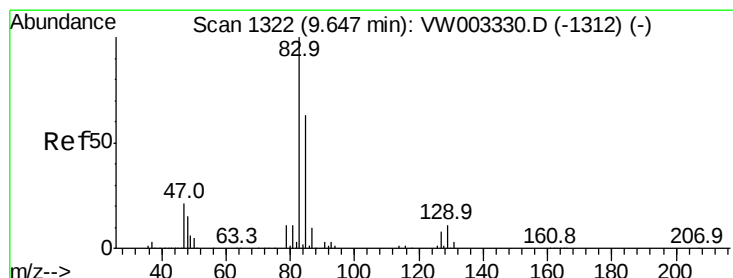
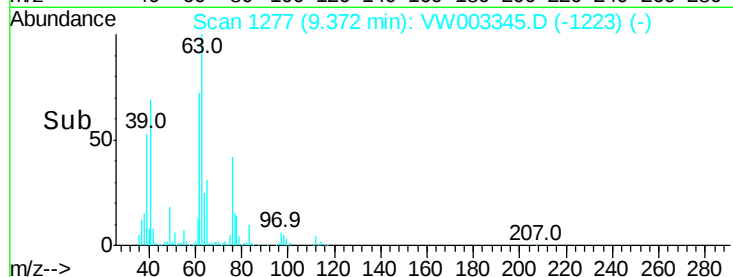
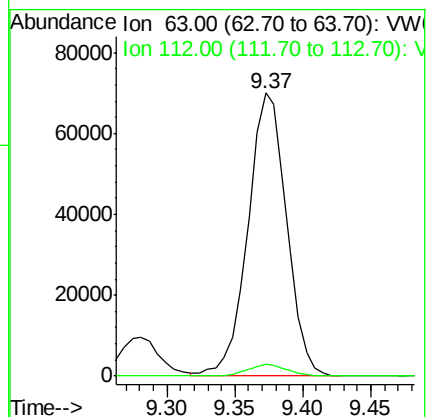
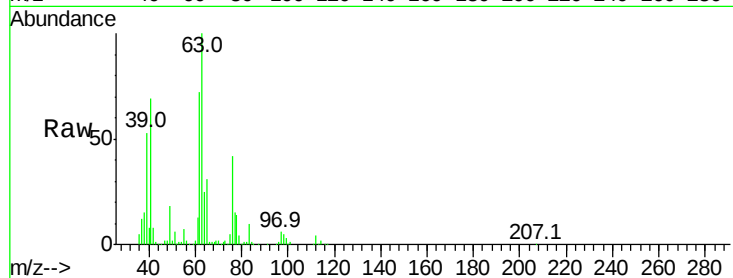
VSTD02588

Tgt Ion: 63 Resp: 139335

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#41

Bromodichloromethane

Concen: 25.667 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

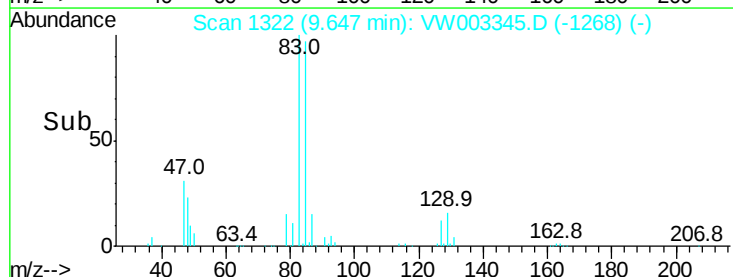
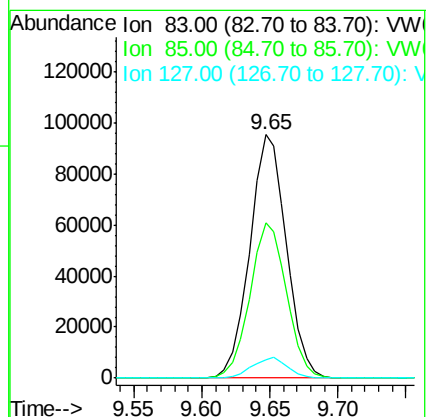
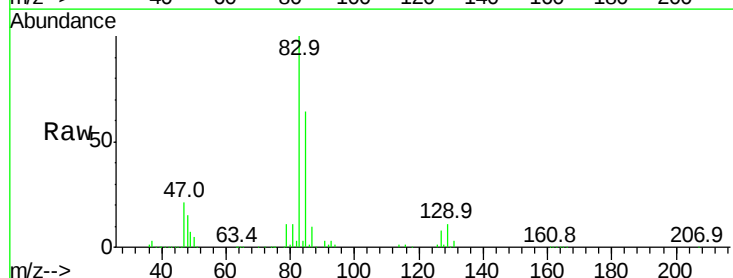
Tgt Ion: 83 Resp: 179439

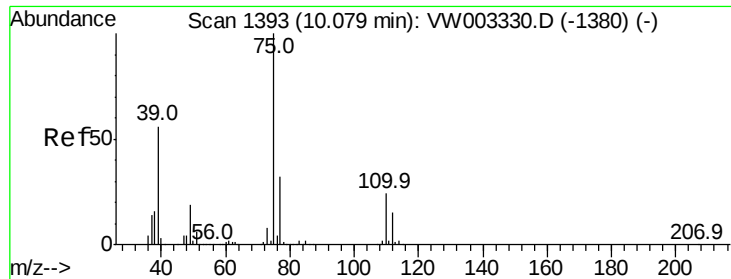
Ion Ratio Lower Upper

83 100

85 63.9 44.4 82.4

127 7.7 6.9 10.3





#42

cis-1,3-Dichloropropene

Concen: 25.765 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

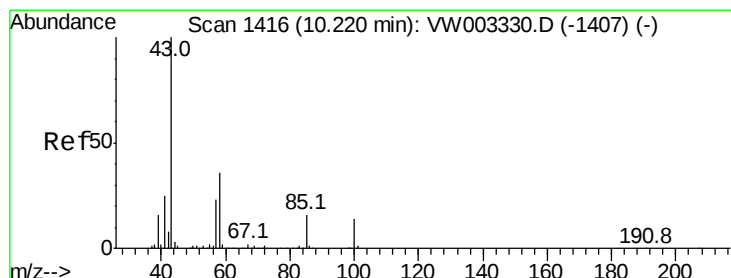
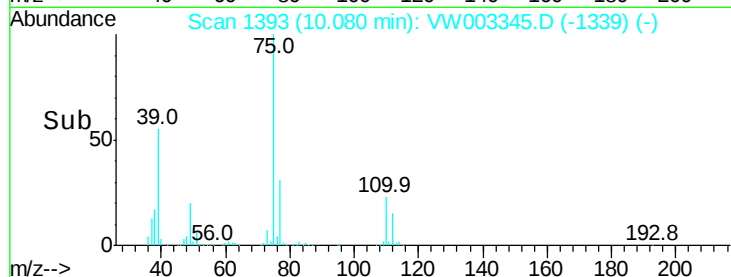
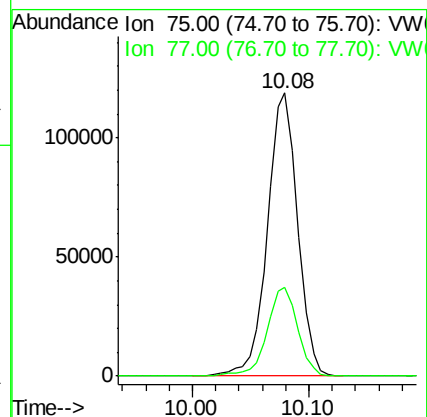
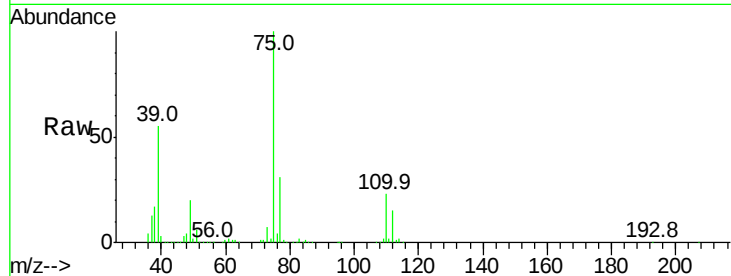
VSTD02588

Tgt Ion: 75 Resp: 214737

Ion Ratio Lower Upper

75 100

77 31.2 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 48.065 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

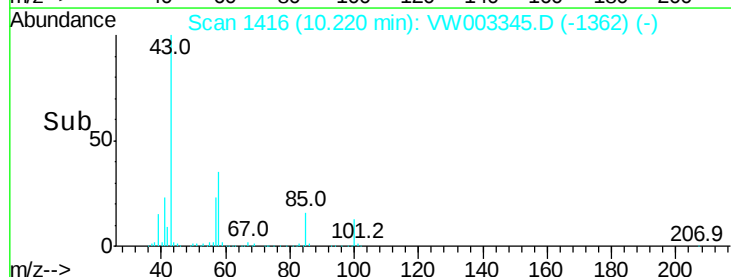
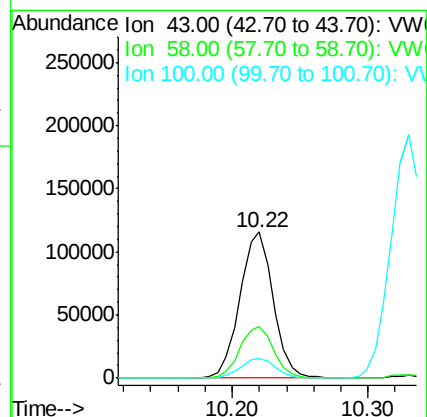
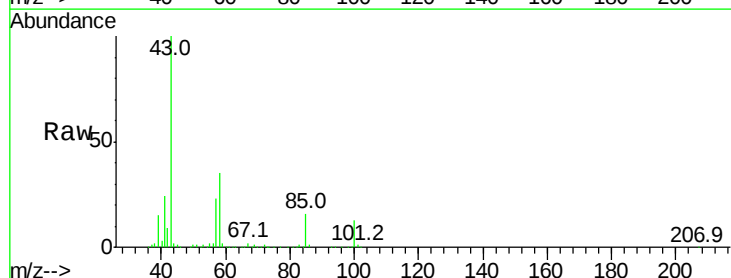
Tgt Ion: 43 Resp: 196844

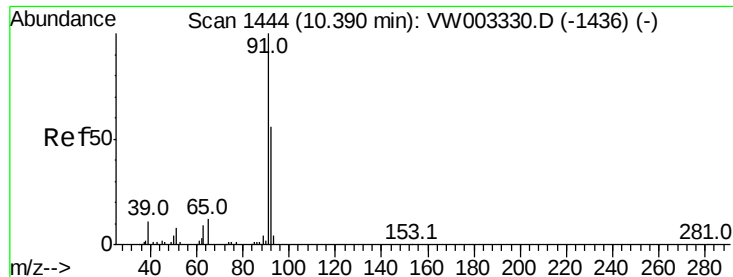
Ion Ratio Lower Upper

43 100

58 35.9 30.0 45.0

100 13.9 11.2 16.8





#44

Toluene

Concen: 25.880 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

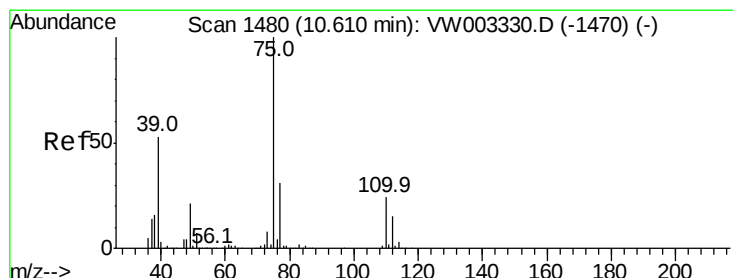
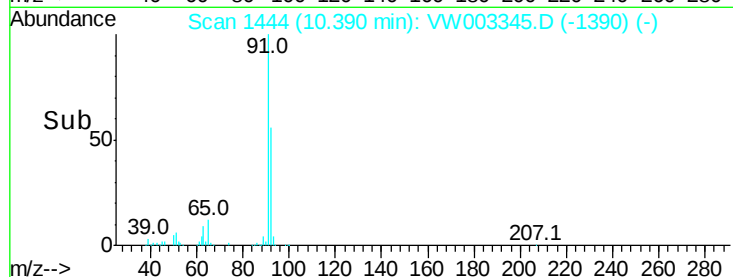
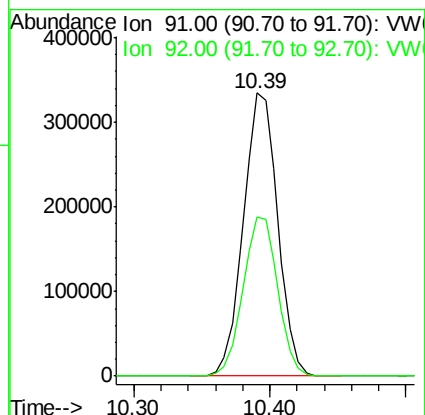
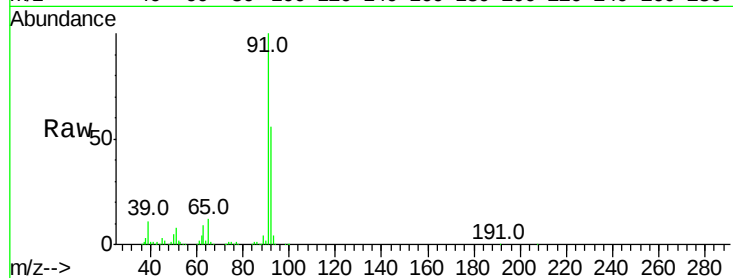
VSTD02588

Tgt Ion: 91 Resp: 590834

Ion Ratio Lower Upper

91 100

92 56.5 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 25.900 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003345.D

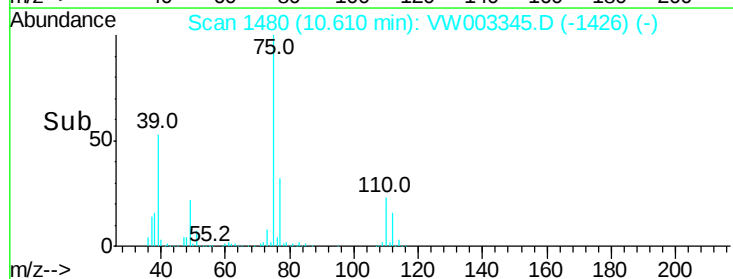
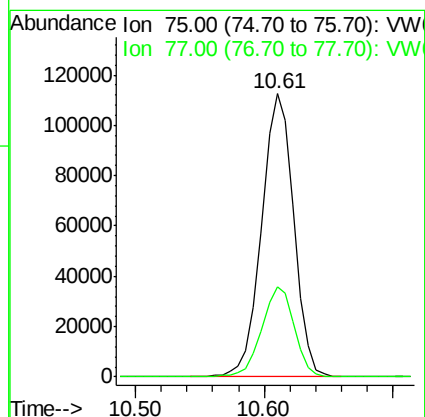
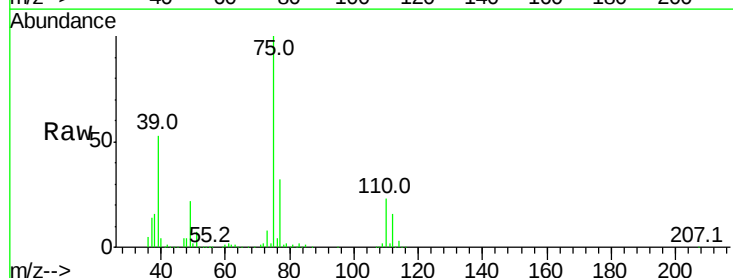
Acq: 20 Jun 2018 10:29

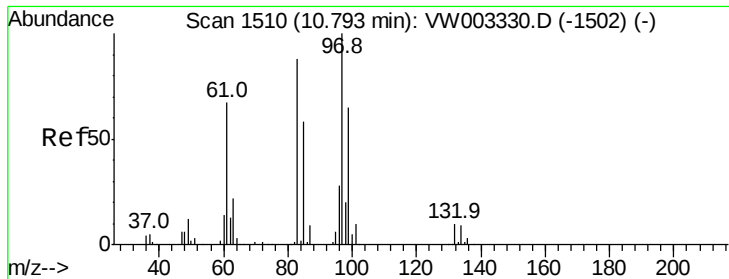
Tgt Ion: 75 Resp: 194232

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 25.264 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

Tgt Ion: 97 Resp: 105083

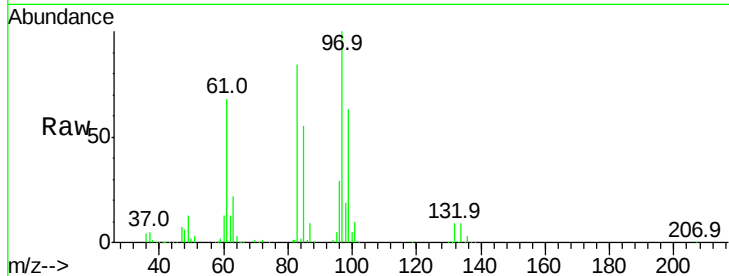
Ion Ratio Lower Upper

97 100

83 84.0 62.2 115.6

85 55.4 38.5 71.5

99 62.5 44.9 83.3

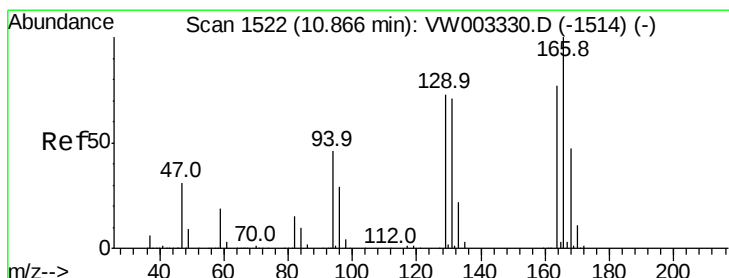
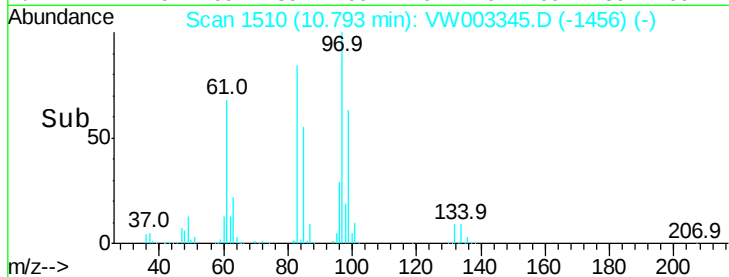
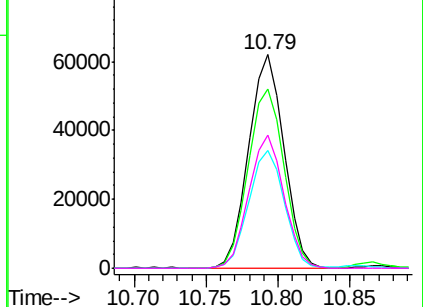


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.383 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Tgt Ion: 164 Resp: 119304

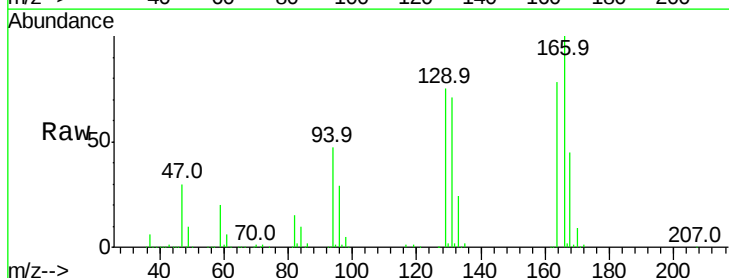
Ion Ratio Lower Upper

164 100

129 96.1 66.2 123.0

131 91.1 64.3 119.3

166 128.8 89.7 166.7

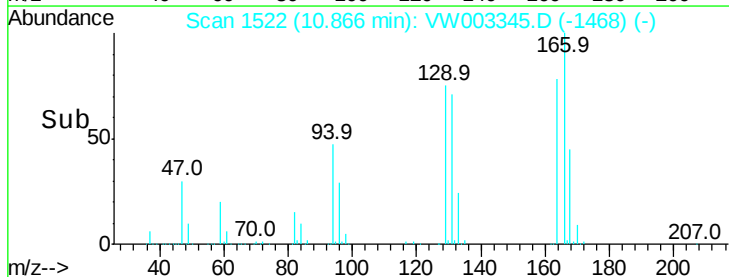
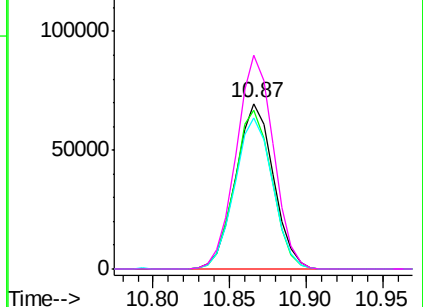


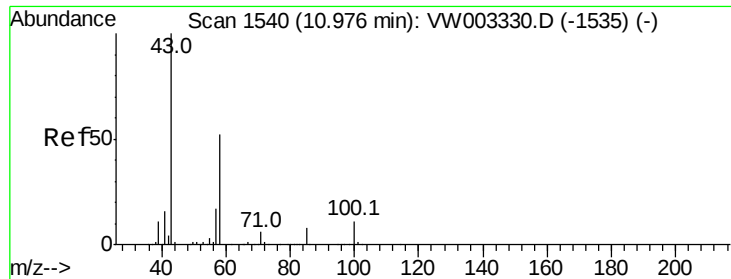
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

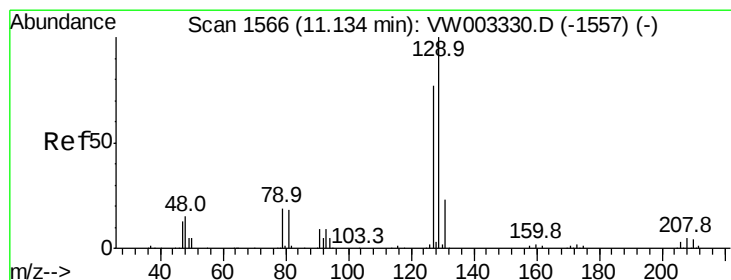
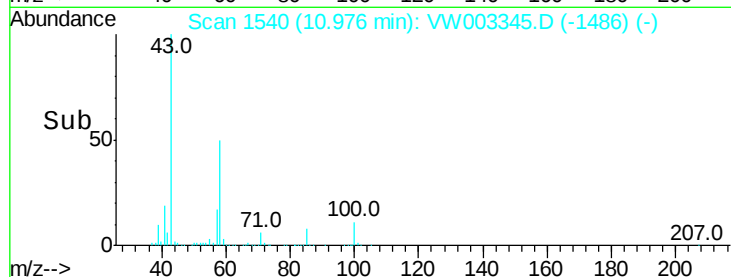
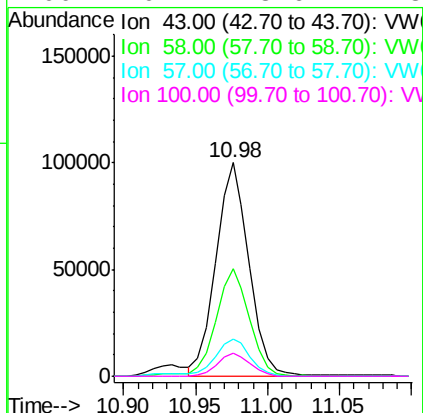
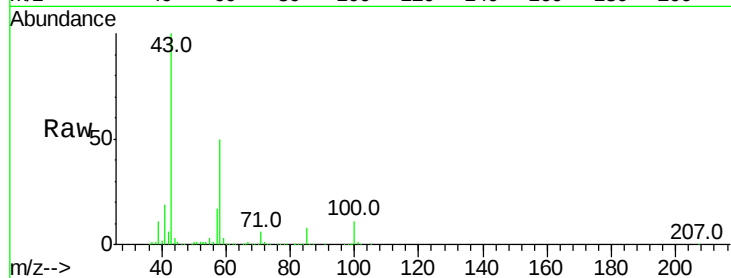




#49
2-Hexanone
Concen: 54.158 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003345.D
Acq: 20 Jun 2018 10:29

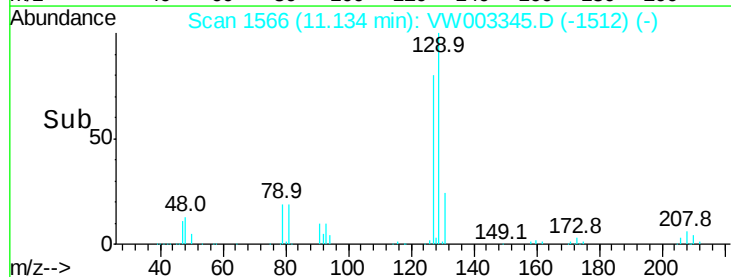
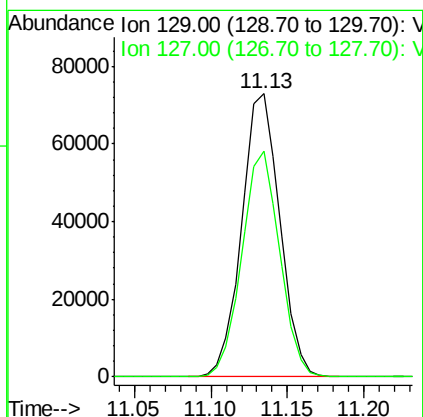
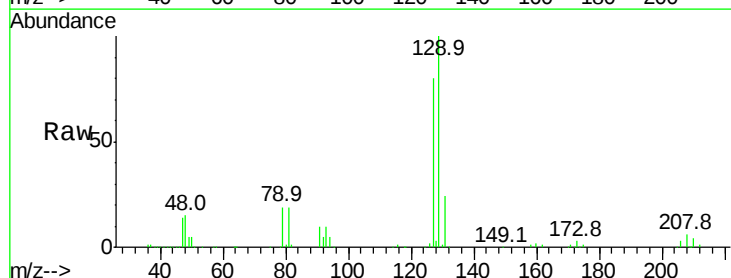
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

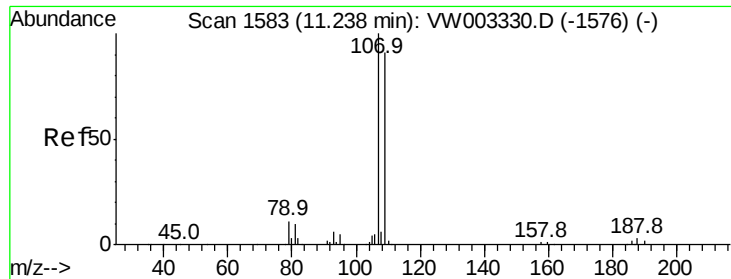
Tgt Ion: 43 Resp: 160166
Ion Ratio Lower Upper
43 100
58 50.5 40.6 60.8
57 18.2 14.7 22.1
100 10.7 8.6 12.8



#50
Dibromochloromethane
Concen: 24.986 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003345.D
Acq: 20 Jun 2018 10:29

Tgt Ion: 129 Resp: 126567
Ion Ratio Lower Upper
129 100
127 80.0 54.3 100.8

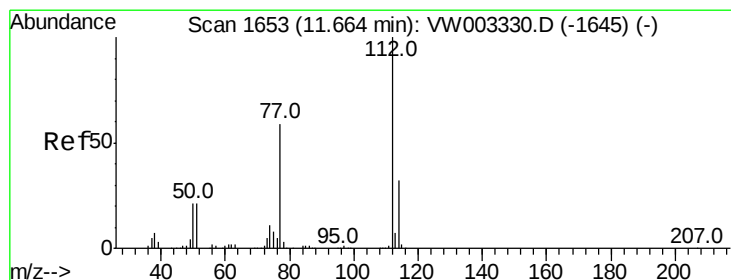
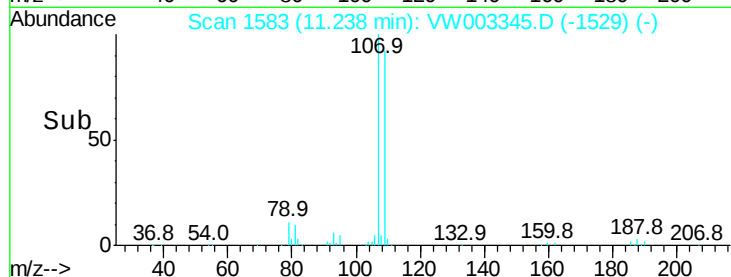
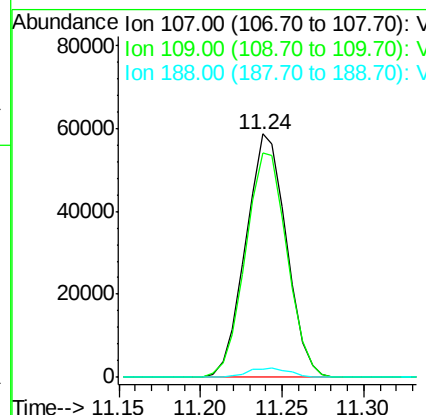
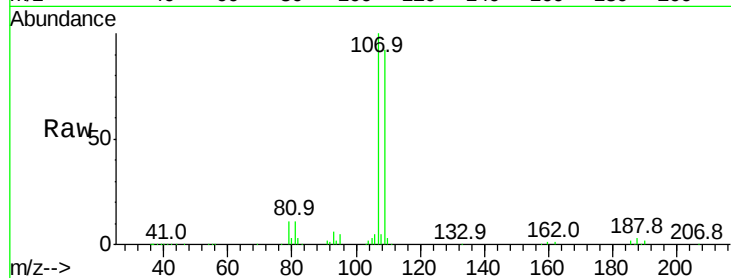




#51
 1,2-Dibromoethane
 Concen: 24.734 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003345.D
 Acq: 20 Jun 2018 10:29

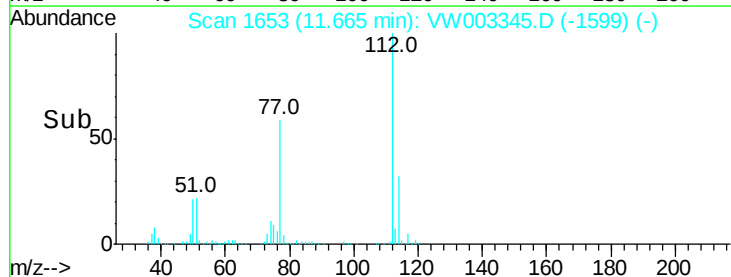
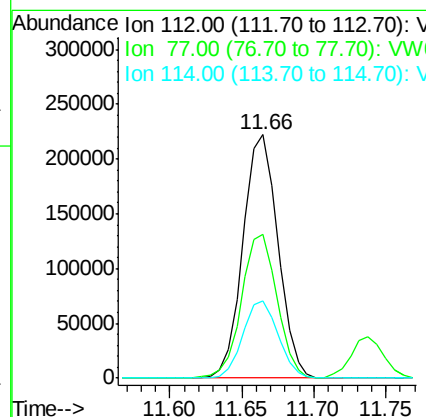
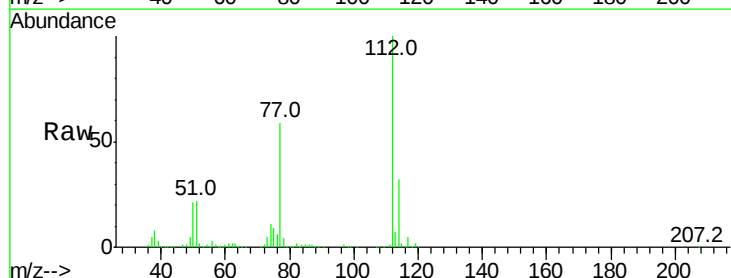
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

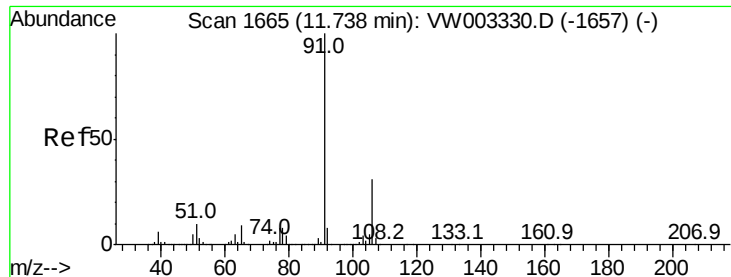
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.2	67.5	125.4
188	3.5	3.4	5.2



#52
 Chlorobenzene
 Concen: 25.053 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VW003345.D
 Acq: 20 Jun 2018 10:29

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.1	46.5	69.7
114	31.7	22.5	41.7





#53

Ethylbenzene

Concen: 25.647 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

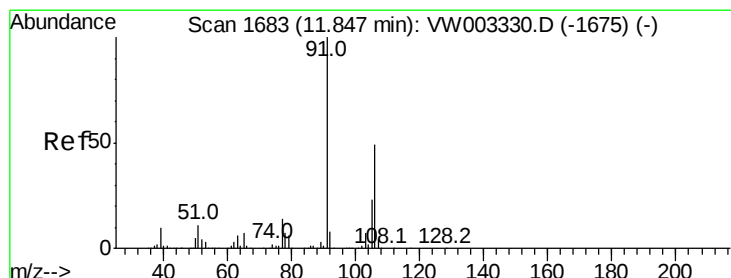
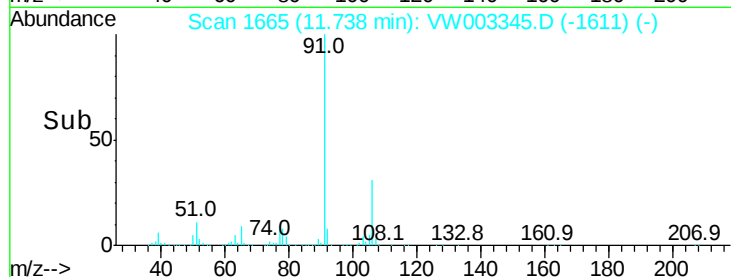
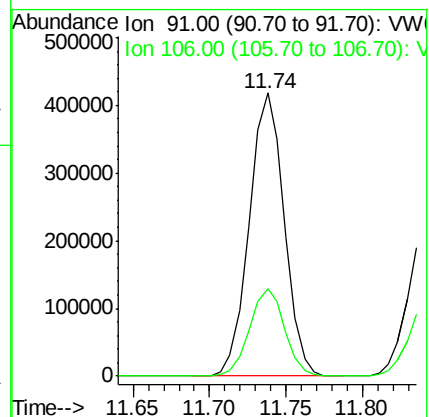
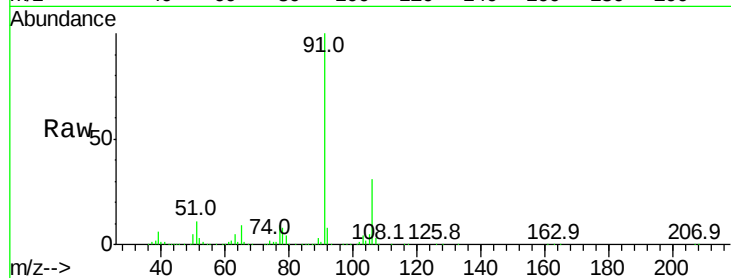
VSTD02588

Tgt Ion: 91 Resp: 663785

Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.6



#54

m,p-Xylene

Concen: 26.084 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003345.D

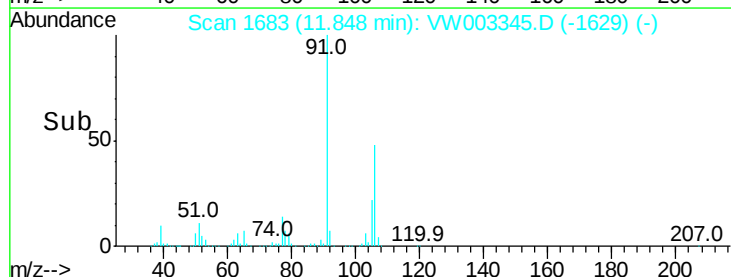
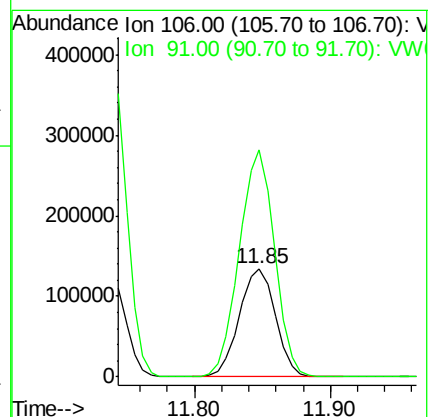
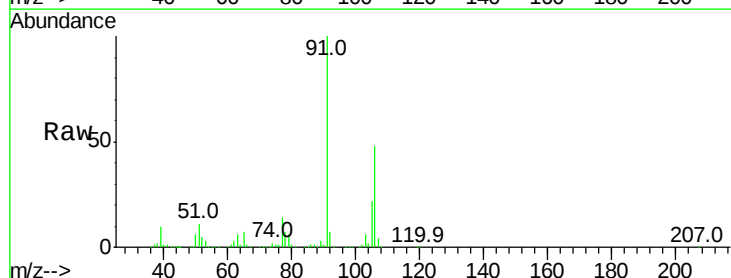
Acq: 20 Jun 2018 10:29

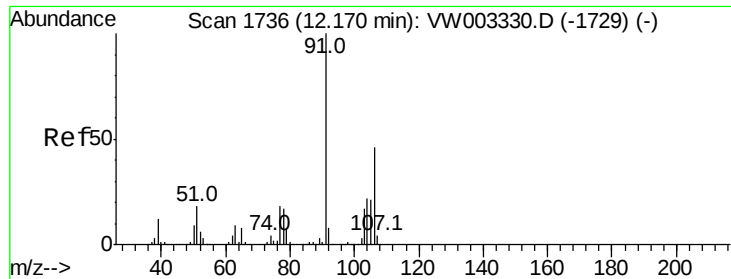
Tgt Ion: 106 Resp: 249673

Ion Ratio Lower Upper

106 100

91 209.1 140.1 260.3

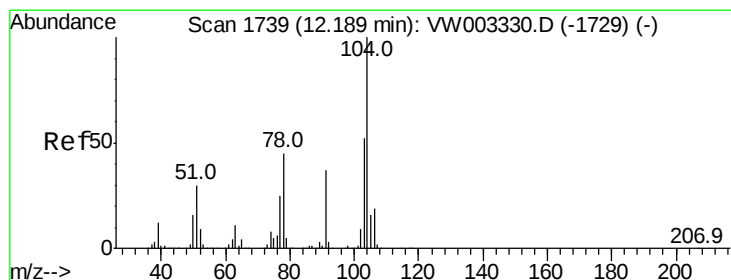
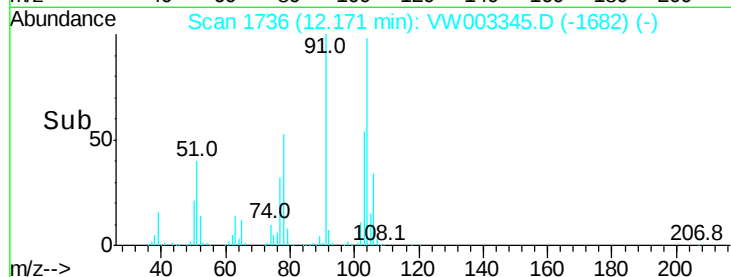
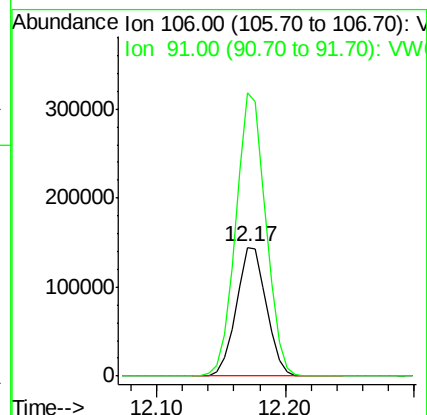
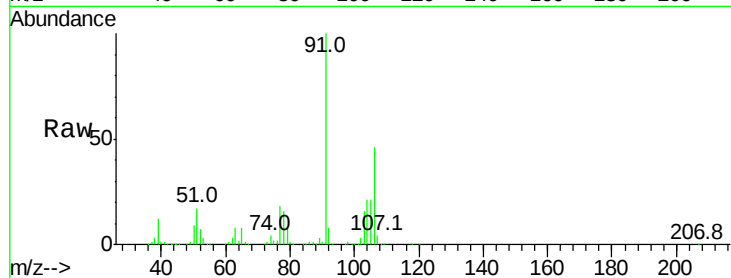




#55
o-xylene
Concen: 25.780 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003345.D
Acq: 20 Jun 2018 10:29

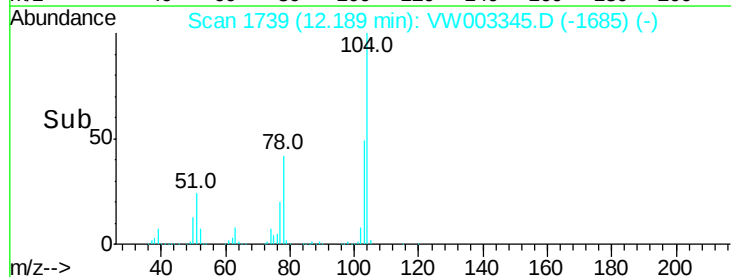
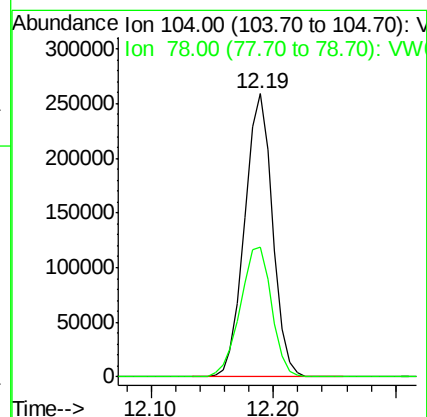
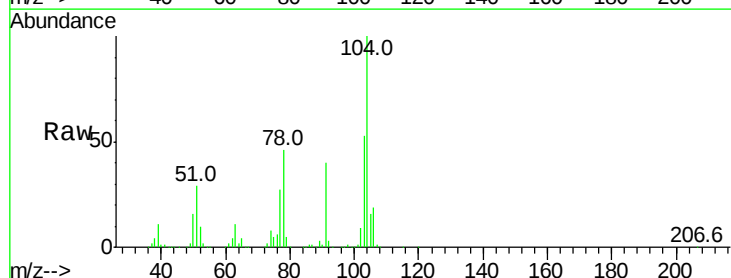
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

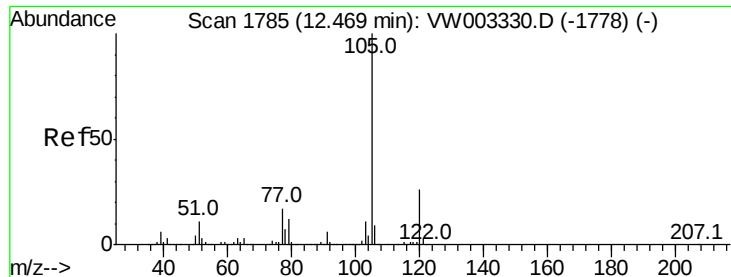
Tgt Ion:106 Resp: 234678
Ion Ratio Lower Upper
106 100
91 219.2 149.3 277.3



#56
Styrene
Concen: 25.825 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003345.D
Acq: 20 Jun 2018 10:29

Tgt Ion:104 Resp: 409621
Ion Ratio Lower Upper
104 100
78 45.9 32.0 59.4





#57

Isopropylbenzene

Concen: 26.053 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

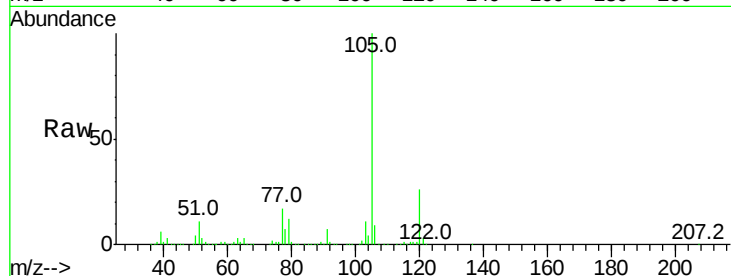
Tgt Ion:105 Resp: 661971

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

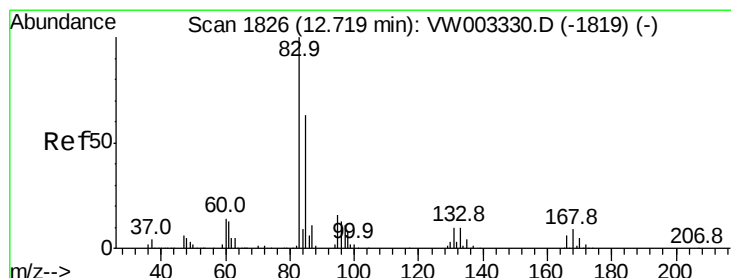
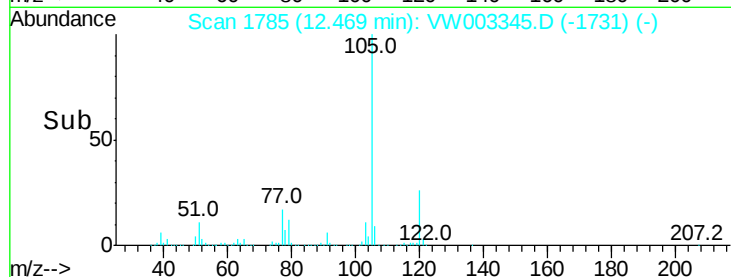
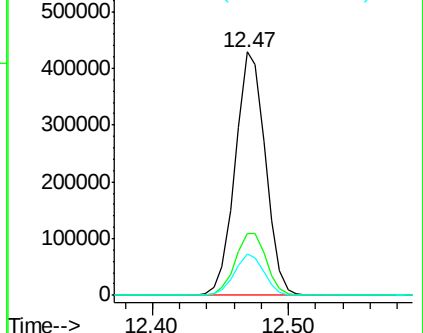
77 16.6 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.485 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

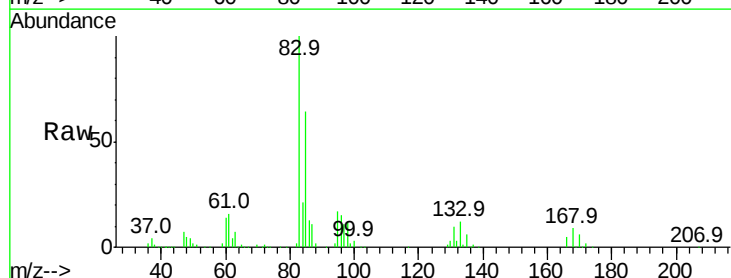
Tgt Ion: 83 Resp: 134839

Ion Ratio Lower Upper

83 100

85 64.5 44.2 82.0

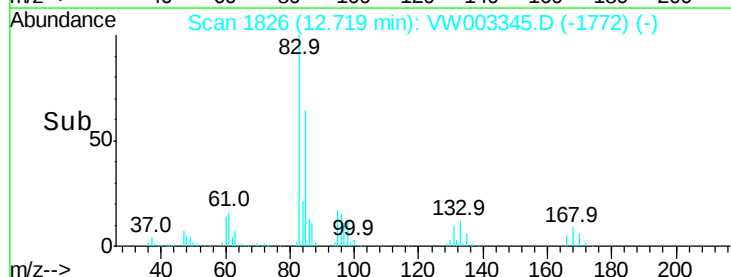
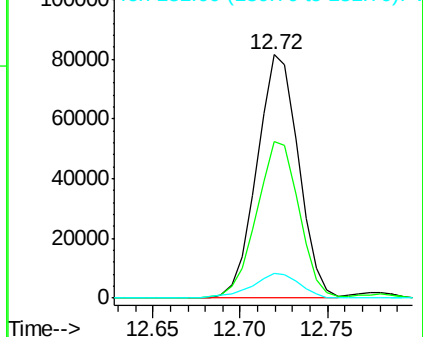
131 10.2 7.8 11.8

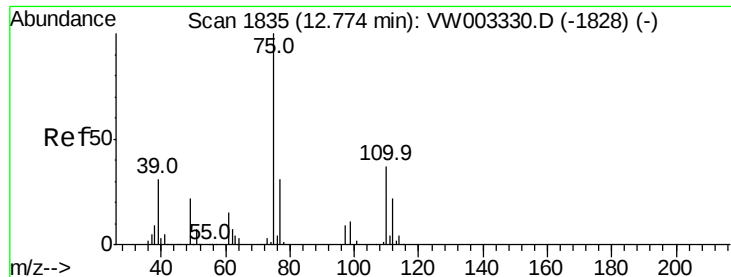


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.658 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

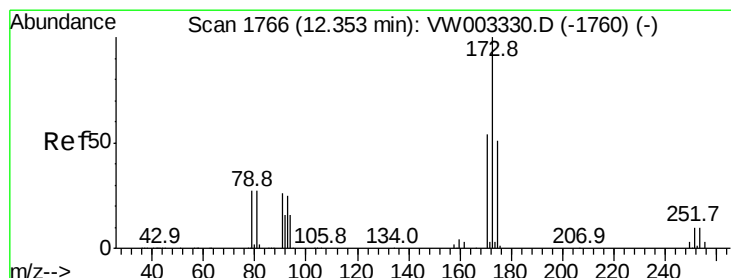
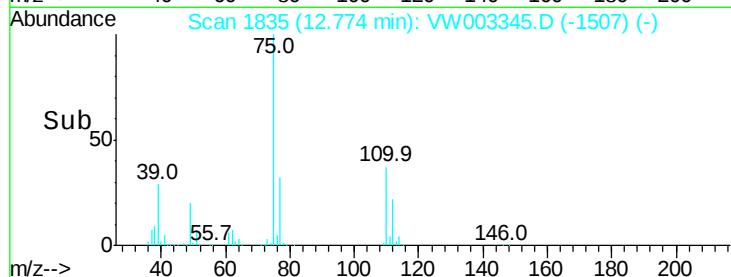
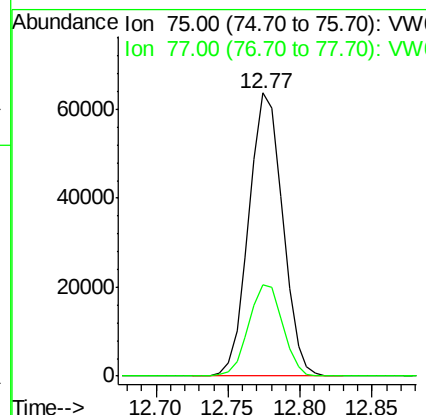
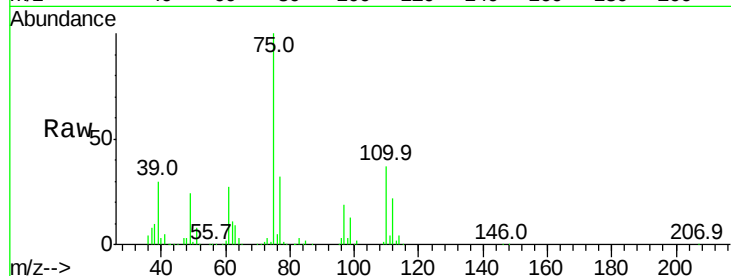
VSTD02588

Tgt Ion: 75 Resp: 103423

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#62

Bromoform

Concen: 24.811 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

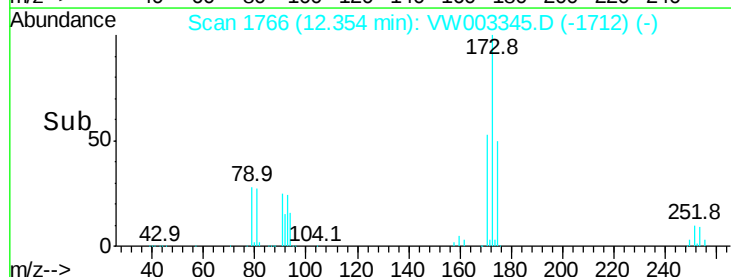
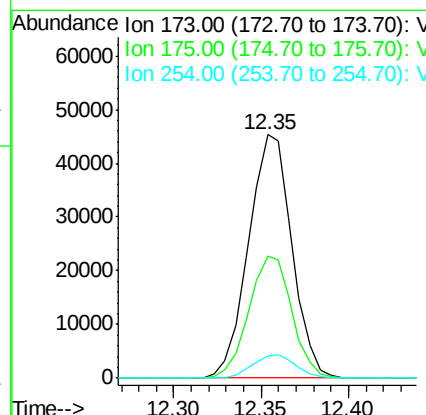
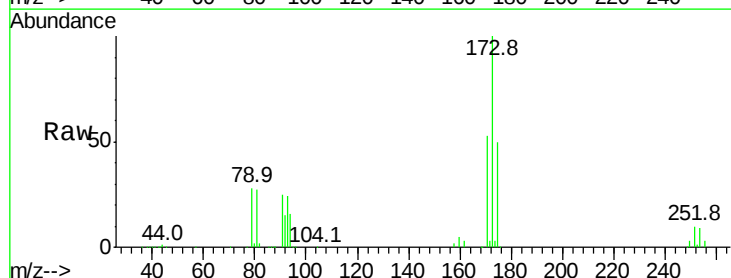
Tgt Ion: 173 Resp: 78388

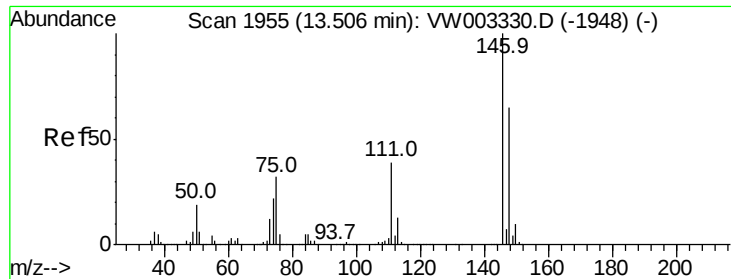
Ion Ratio Lower Upper

173 100

175 49.9 39.2 58.8

254 9.6 8.0 12.0

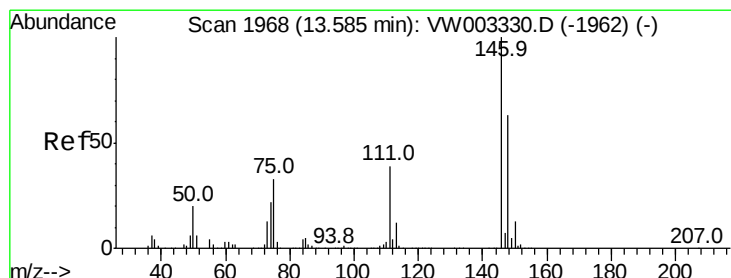
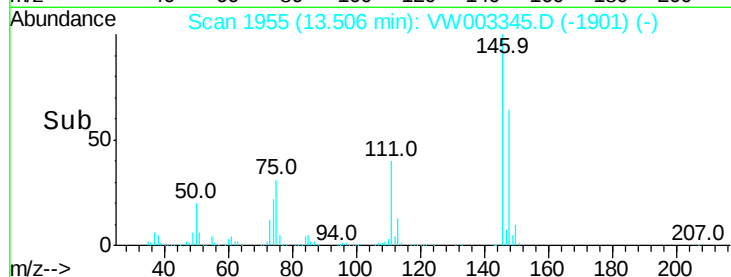
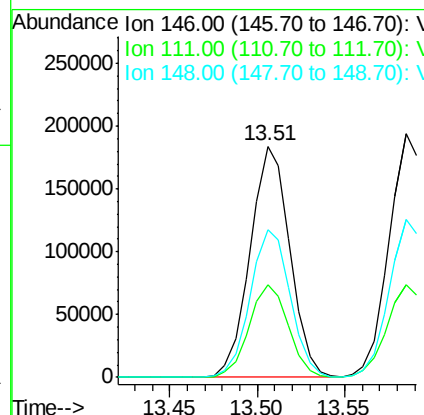
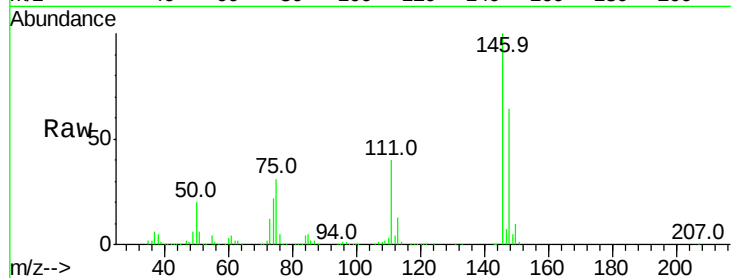




#63
 1,3-Dichlorobenzene
 Concen: 25.309 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003345.D
 Acq: 20 Jun 2018 10:29

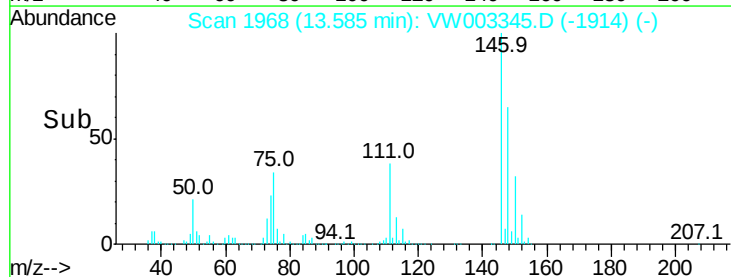
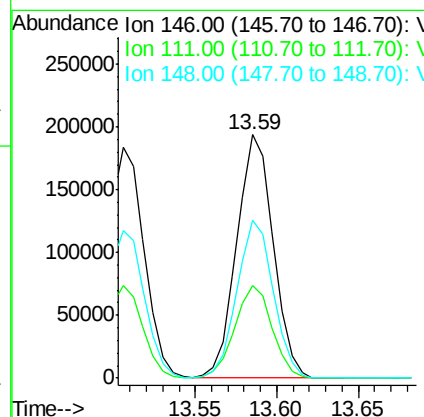
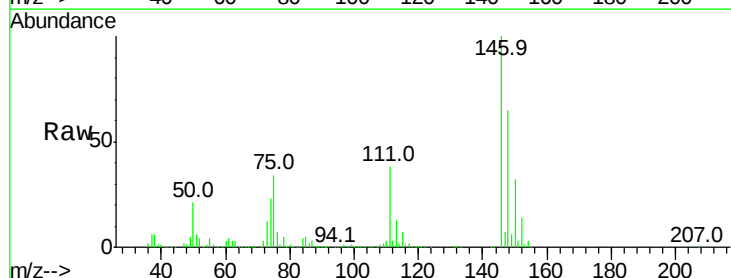
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

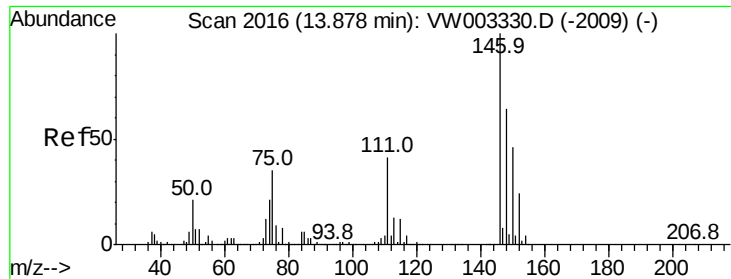
Tgt Ion:146 Resp: 291753
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.9 51.7
 148 64.1 43.5 80.9



#64
 1,4-Dichlorobenzene
 Concen: 25.130 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003345.D
 Acq: 20 Jun 2018 10:29

Tgt Ion:146 Resp: 302811
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.7 49.7
 148 64.8 45.3 84.1





#65

1,2-Dichlorobenzene

Concen: 25.747 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

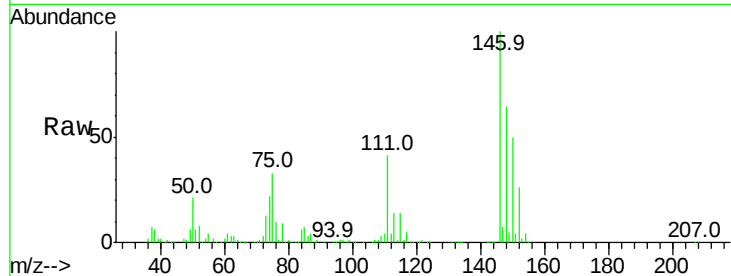
Tgt Ion:146 Resp: 280593

Ion Ratio Lower Upper

146 100

111 41.4 34.5 51.7

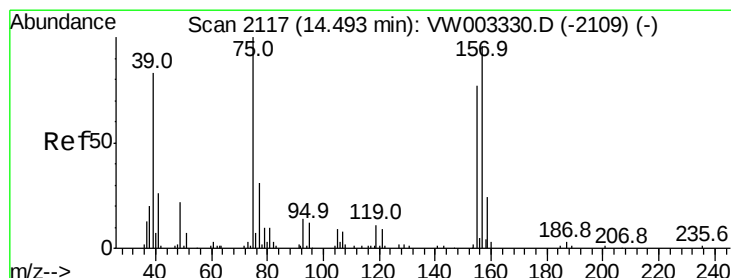
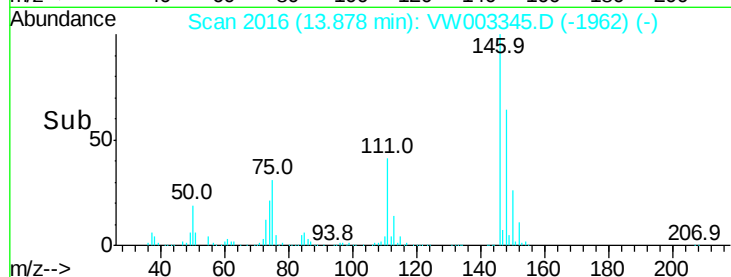
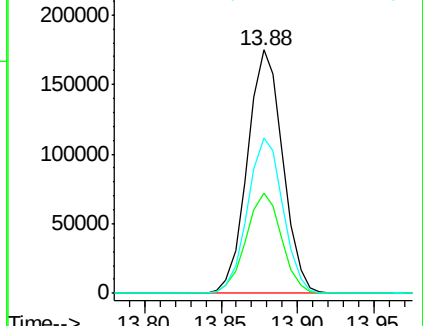
148 63.8 50.8 76.2



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: 25.157 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

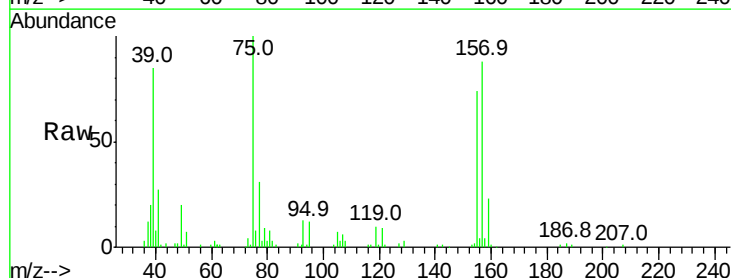
Tgt Ion: 75 Resp: 23500

Ion Ratio Lower Upper

75 100

157 88.4 76.0 114.0

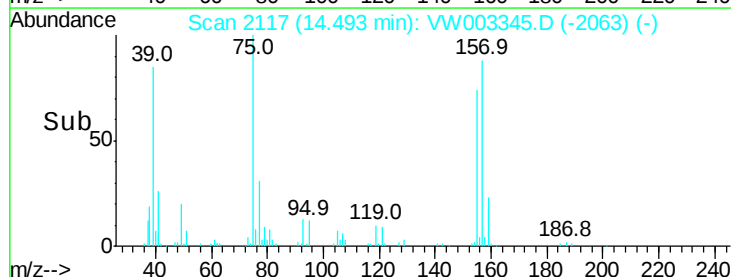
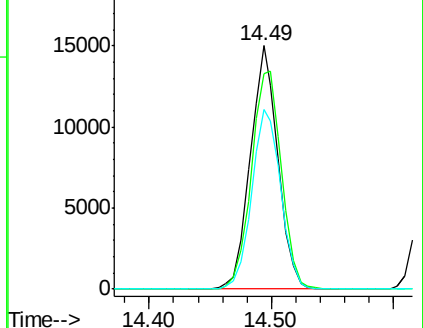
155 73.8 62.4 93.6

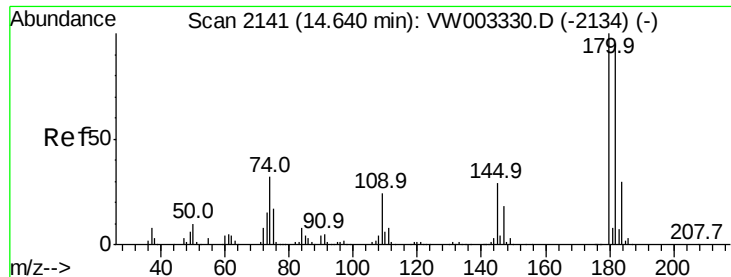


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

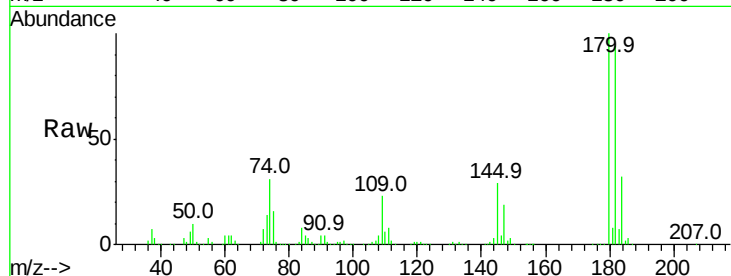




#67
 1,3,5-Trichlorobenzene
 Concen: 25.445 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003345.D
 Acq: 20 Jun 2018 10:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.7	113.5
184	30.6	24.1	36.1
145	29.3	23.4	35.2

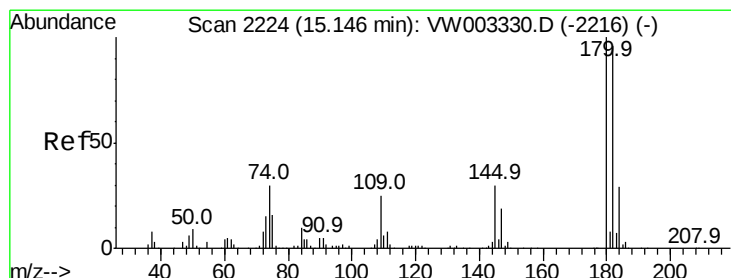
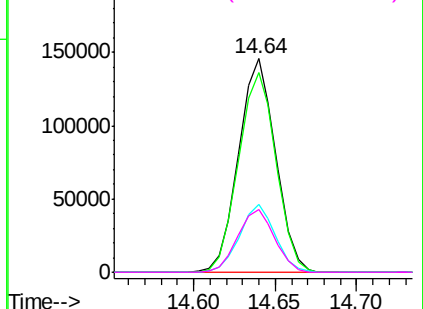
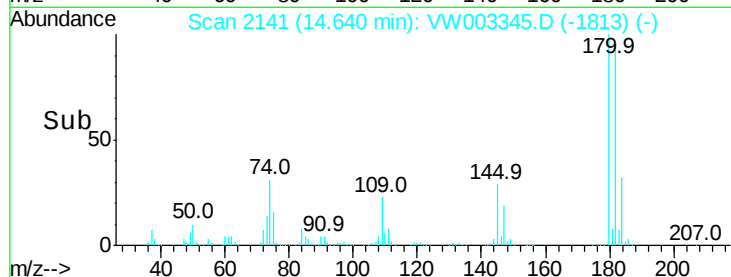


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

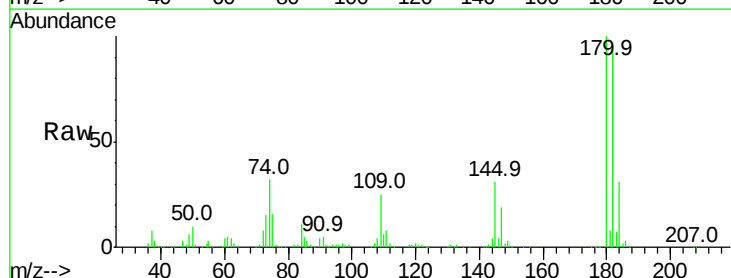
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.540 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003345.D
 Acq: 20 Jun 2018 10:29

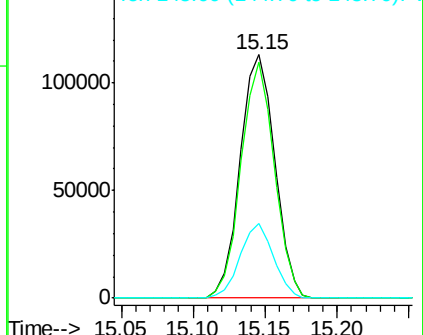
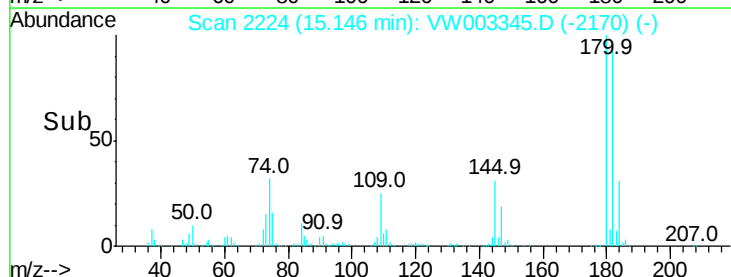
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.2	114.2
145	29.5	24.0	36.0

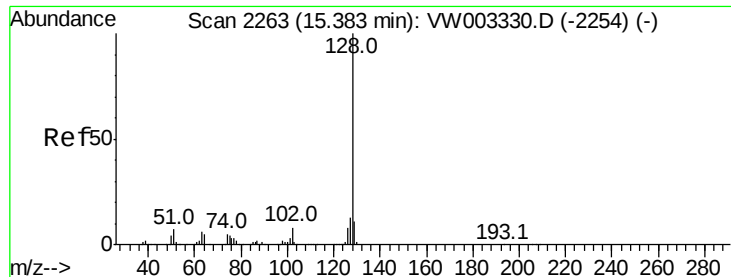


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.177 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

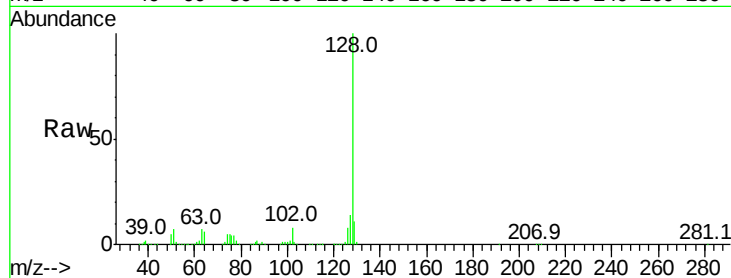
Tgt Ion:128 Resp: 353261

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

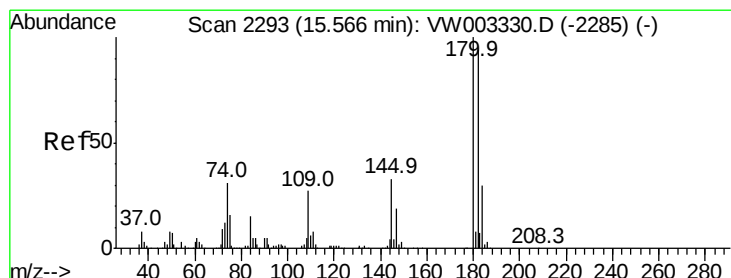
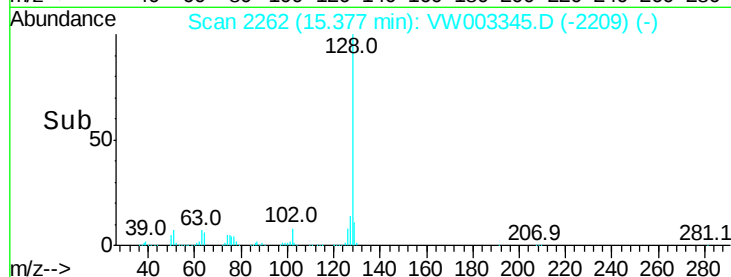
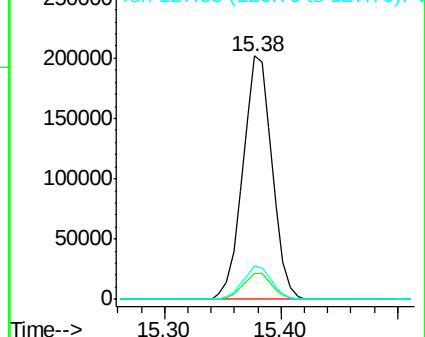
127 13.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.553 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003345.D

Acq: 20 Jun 2018 10:29

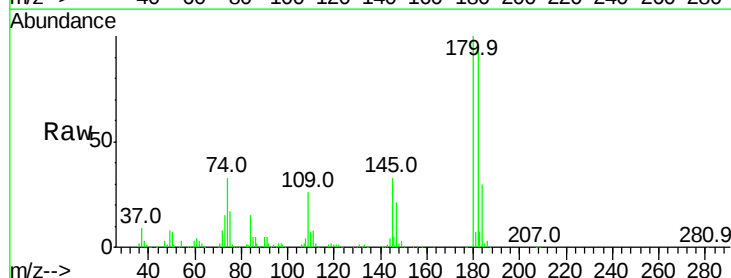
Tgt Ion:180 Resp: 175315

Ion Ratio Lower Upper

180 100

182 94.2 76.5 114.7

145 31.8 25.3 37.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

