

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071818\
 Data File : VW004034.D
 Acq On : 18 Jul 2018 20:52
 Operator : VA/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

Quant Time: Jul 19 07:54:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 07:52:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	309016	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	281893	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	143171	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	67168	21.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.88%
7) Chloroethane-d5	2.89	69	49859	22.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.52%
10) 1,1-Dichloroethene-d2	4.01	63	165373	22.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.20%
20) 2-Butanone-d5	7.08	46	97333	54.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.60%
24) Chloroform-d	7.65	84	173426	23.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	8.31	65	102528	23.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.84%
29) Benzene-d6	8.27	84	309820	23.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.80%
33) 1,2-Dichloropropane-d6	9.28	67	103028	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.48%
37) Toluene-d8	10.33	98	284631	24.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.88%
38) trans-1,3-Dichloropropene-	10.58	79	46091	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.20%
39) 2-Hexanone-d5	10.93	63	70366	59.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.88%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	124573	26.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.28%
61) 1,2-Dichlorobenzene-d4	13.87	152	111032	24.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	28981	14.648	ug/L	# 89
3) Chloromethane	2.21	50	66280	20.955	ug/L	98
5) Vinyl chloride	2.35	62	103597	21.751	ug/L	99
6) Bromomethane	2.78	94	56172	22.216	ug/L	97
8) Chloroethane	2.92	64	54962	22.013	ug/L	98
9) Trichlorofluoromethane	3.25	101	56036	23.614	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	101283	24.002	ug/L	98
12) 1,1-Dichloroethene	4.03	96	96949	23.569	ug/L	92
13) Acetone	4.12	43	87180	44.738	ug/L	100
14) Carbon disulfide	4.37	76	312011	23.446	ug/L	100
15) Methyl Acetate	4.67	43	84966	25.558	ug/L	100
16) Methylene chloride	4.91	84	111666	18.836	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	189868	23.867	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	102408	24.182	ug/L	97
19) 1,1-Dichloroethane	6.22	63	193743	24.047	ug/L	98
21) 2-Butanone	7.18	43	121047	50.064	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	111055	24.535	ug/L	96

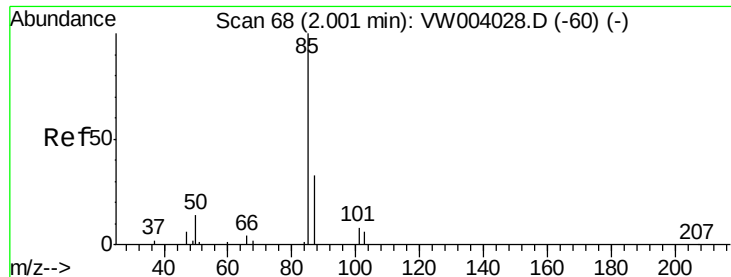
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071818\
 Data File : VW004034.D
 Acq On : 18 Jul 2018 20:52
 Operator : VA/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

Quant Time: Jul 19 07:54:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 07:52:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	50477	23.717	ug/L	98
25) Chloroform	7.68	83	197697	24.029	ug/L	100
27) 1,2-Dichloroethane	8.40	62	145084	23.926	ug/L	97
30) Cyclohexane	7.95	56	180531	26.259	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	161251	25.152	ug/L	99
32) Carbon tetrachloride	8.07	117	153188	24.766	ug/L	97
34) Benzene	8.32	78	437497	25.319	ug/L	100
35) Trichloroethene	9.09	95	112770	24.392	ug/L	98
36) Methylcyclohexane	9.34	83	205424	26.883	ug/L	100
40) 1,2-Dichloropropane	9.37	63	116090	24.783	ug/L	99
41) Bromodichloromethane	9.65	83	140454	24.353	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	164588	24.936	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	229096	55.633	ug/L	98
44) Toluene	10.39	91	471251	26.027	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	153787	25.260	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	89825	24.673	ug/L	98
47) Tetrachloroethene	10.87	164	92969	24.933	ug/L	96
49) 2-Hexanone	10.98	43	175415	55.022	ug/L	99
50) Dibromochloromethane	11.13	129	101295	24.838	ug/L	97
51) 1,2-Dibromoethane	11.24	107	88944	25.015	ug/L	95
52) Chlorobenzene	11.66	112	284484	24.505	ug/L	97
53) Ethylbenzene	11.74	91	515241	26.288	ug/L	99
54) m,p-Xylene	11.85	106	189869	26.284	ug/L	98
55) o-xylene	12.17	106	184186	26.657	ug/L	97
56) Styrene	12.19	104	322830	27.046	ug/L	98
57) Isopropylbenzene	12.47	105	517404	27.312	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	130397	25.059	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	102358	25.411	ug/L	99
62) Bromoform	12.35	173	66531	24.624	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	219634	24.907	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	230742	24.404	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	215493	25.077	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25445	25.398	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	174621	25.043	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	140406	25.109	ug/L	98
69) Naphthalene	15.38	128	343962	27.320	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	136372	25.632	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 14.648 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampled :

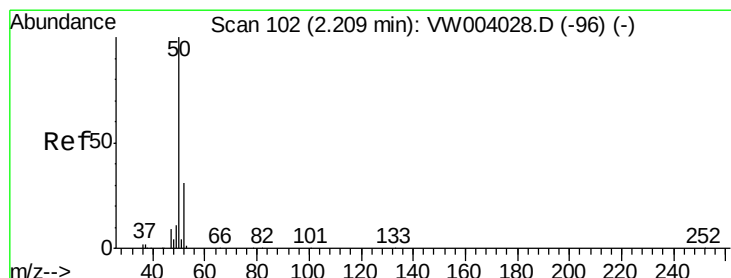
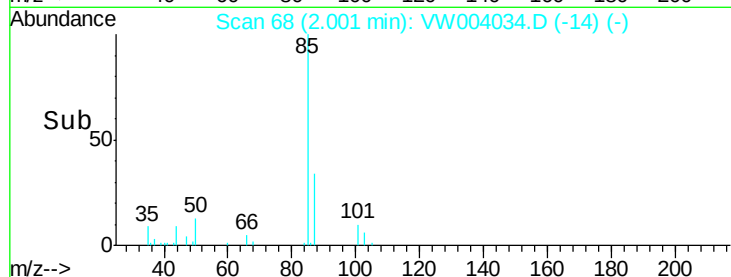
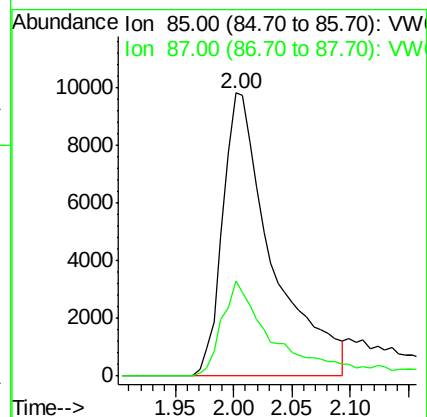
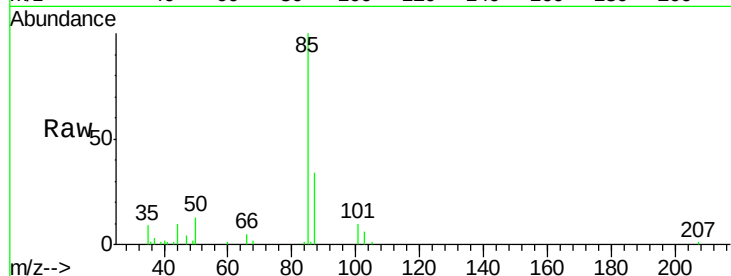
VICV88

Tgt Ion: 85 Resp: 28981

Ion Ratio Lower Upper

85 100

87 25.4 0.1 0.1#



#3

Chloromethane

Concen: 20.955 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004034.D

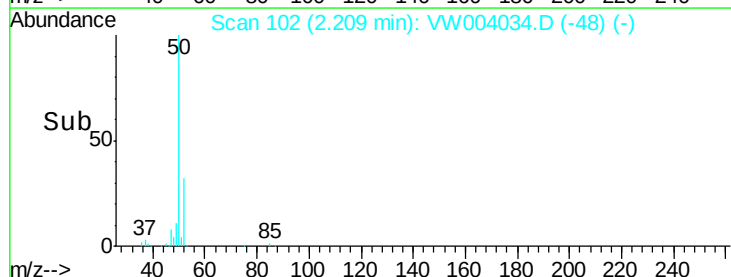
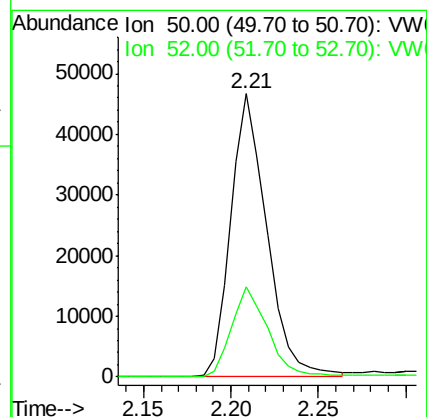
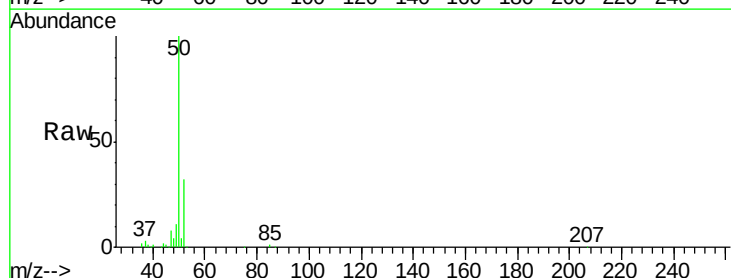
Acq: 18 Jul 2018 20:52

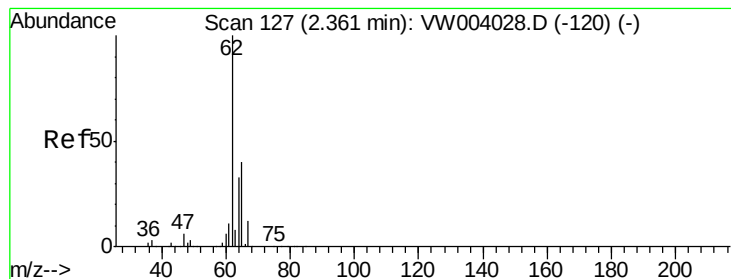
Tgt Ion: 50 Resp: 66280

Ion Ratio Lower Upper

50 100

52 31.8 21.3 39.6





#5

Vinyl chloride

Concen: 21.751 ug/L

RT: 2.35 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

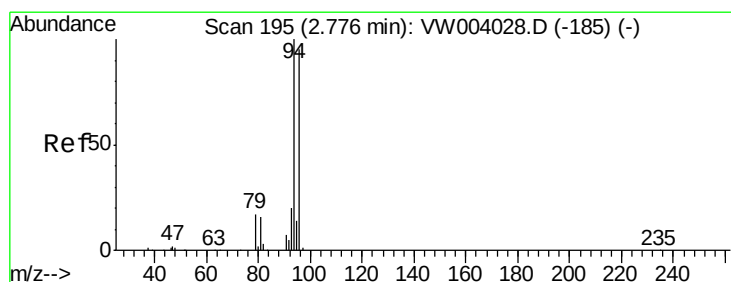
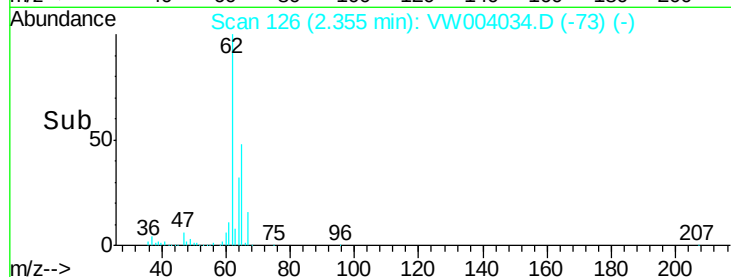
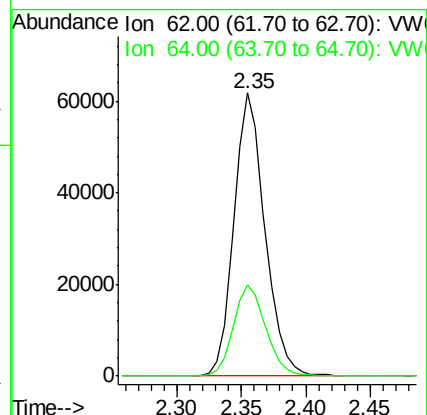
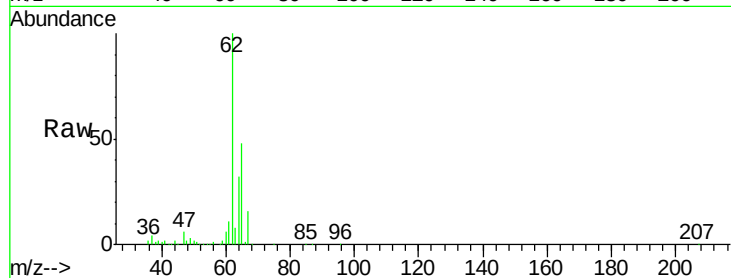
VICV88

Tgt Ion: 62 Resp: 103597

Ion Ratio Lower Upper

62 100

64 32.4 23.1 42.9



#6

Bromomethane

Concen: 22.216 ug/L

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW004034.D

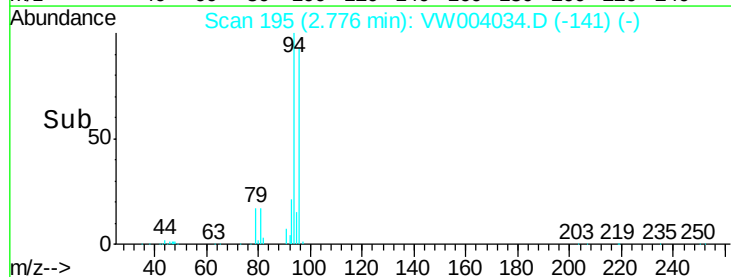
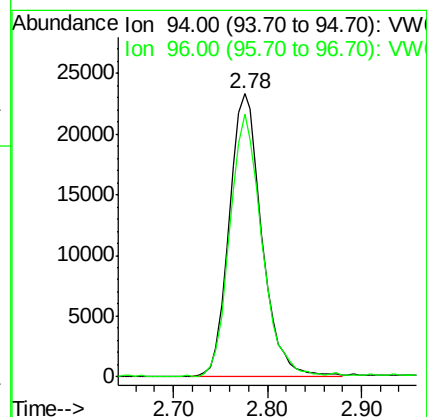
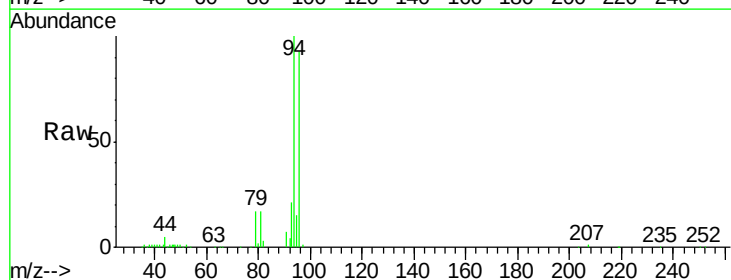
Acq: 18 Jul 2018 20:52

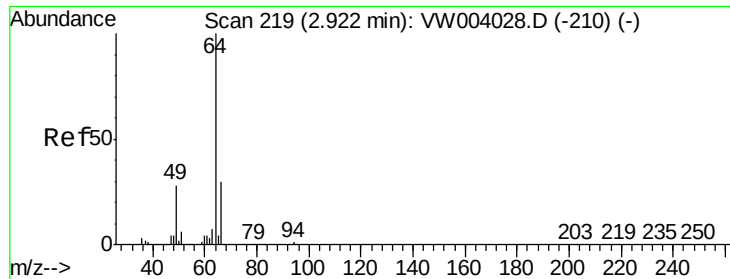
Tgt Ion: 94 Resp: 56172

Ion Ratio Lower Upper

94 100

96 91.7 9.5 179.9





#8

Chloroethane

Concen: 22.013 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

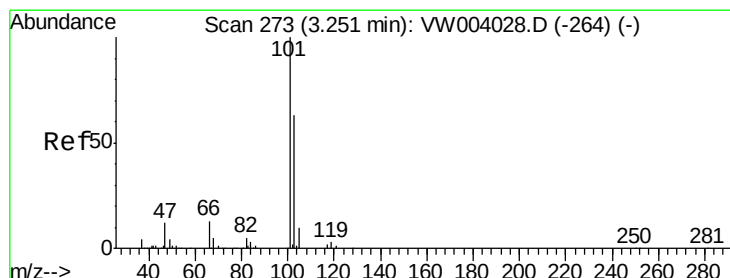
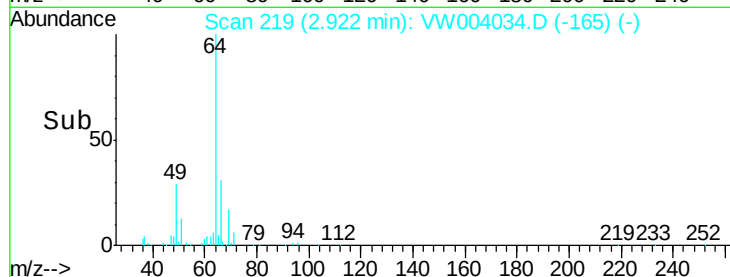
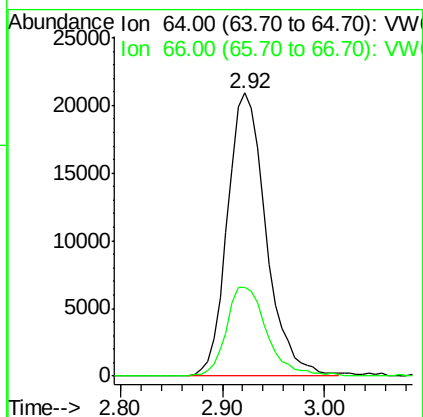
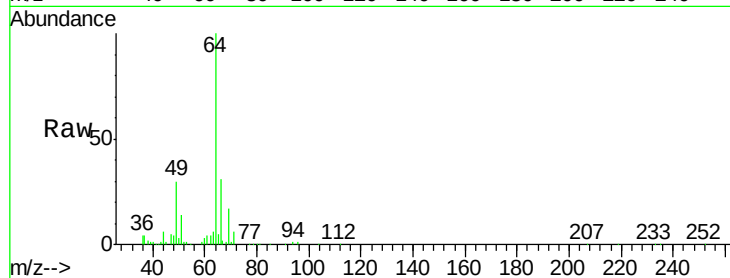
VICV88

Tgt Ion: 64 Resp: 54962

Ion Ratio Lower Upper

64 100

66 31.4 21.2 39.4



#9

Trichlorofluoromethane

Concen: 23.614 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW004034.D

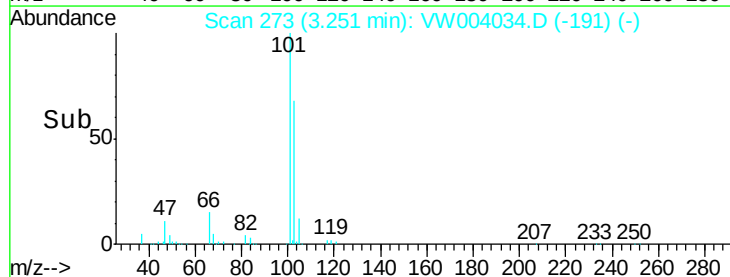
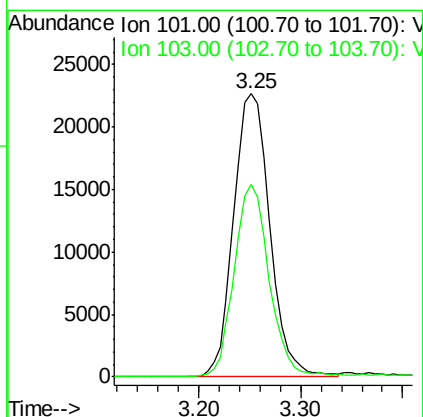
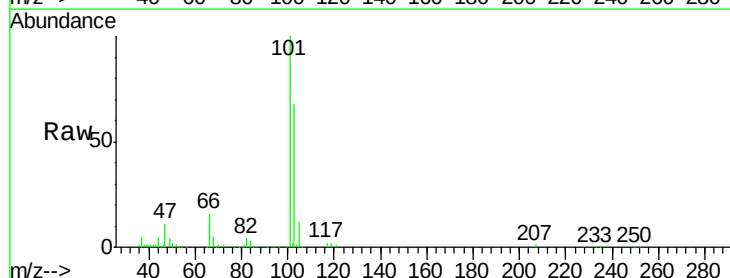
Acq: 18 Jul 2018 20:52

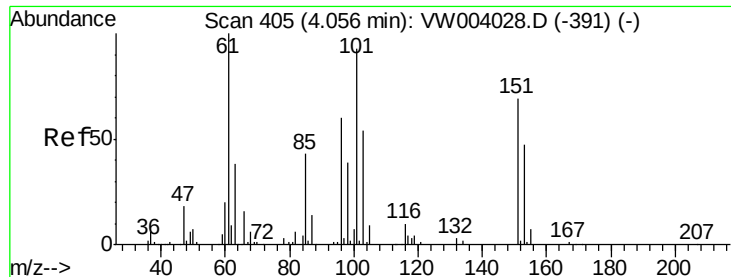
Tgt Ion: 101 Resp: 56036

Ion Ratio Lower Upper

101 100

103 65.6 45.6 84.8





#11

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

Concen: 24.002 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampled :

VICV88

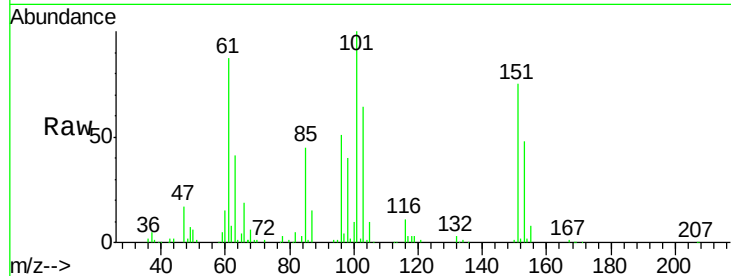
Tgt Ion:101 Resp: 101283

Ion Ratio Lower Upper

101 100

85 45.1 36.2 54.4

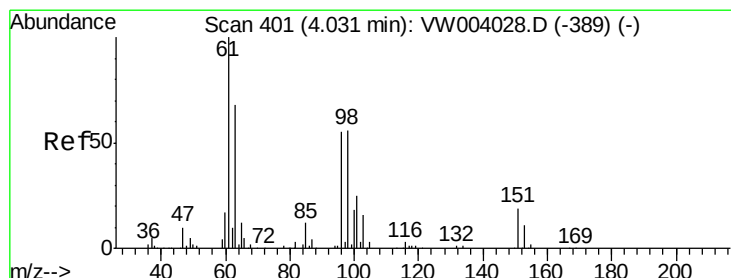
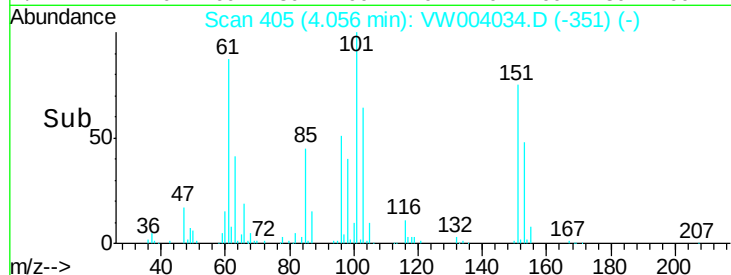
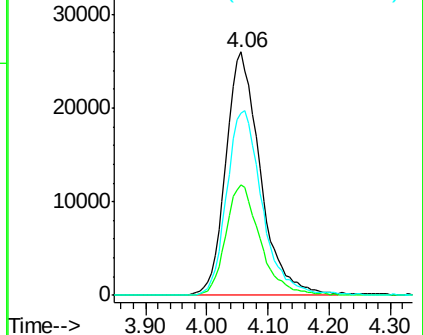
151 77.2 59.5 89.3



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: 23.569 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

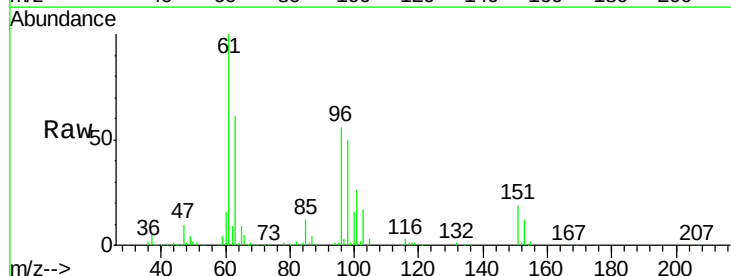
Tgt Ion: 96 Resp: 96949

Ion Ratio Lower Upper

96 100

61 178.4 127.3 236.5

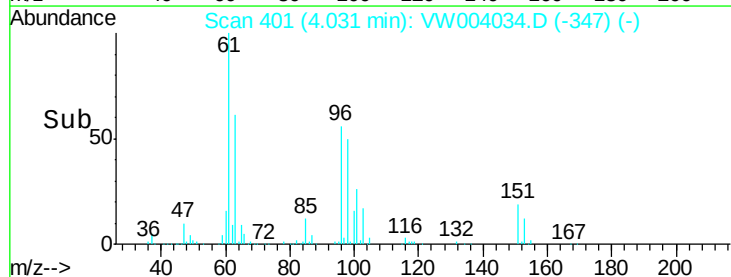
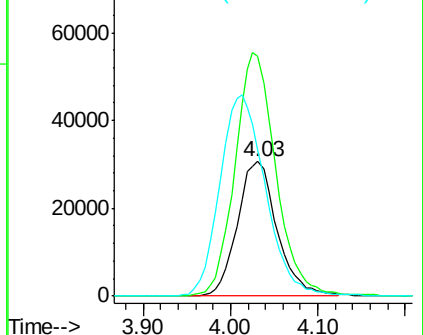
63 108.4 88.5 164.4

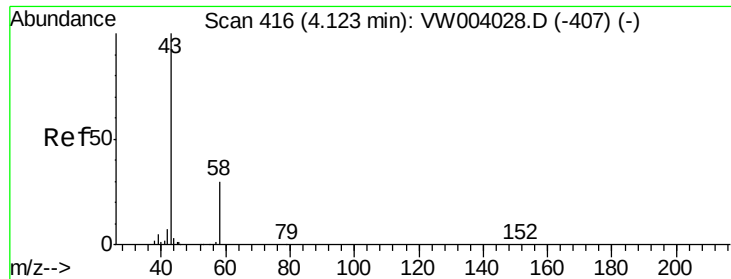


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.738 ug/L

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

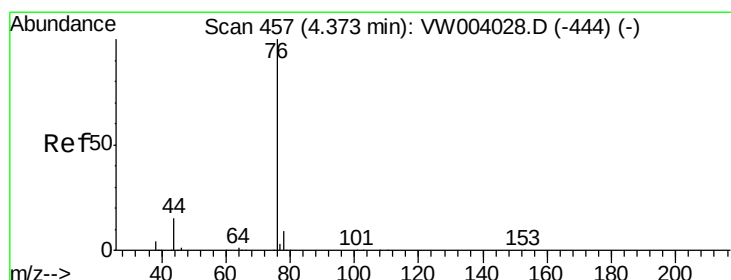
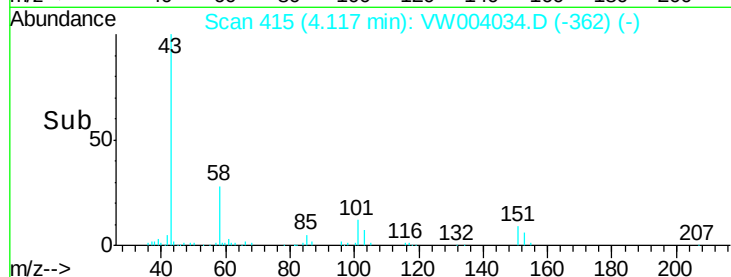
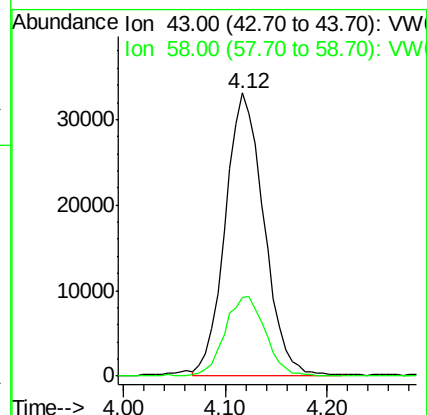
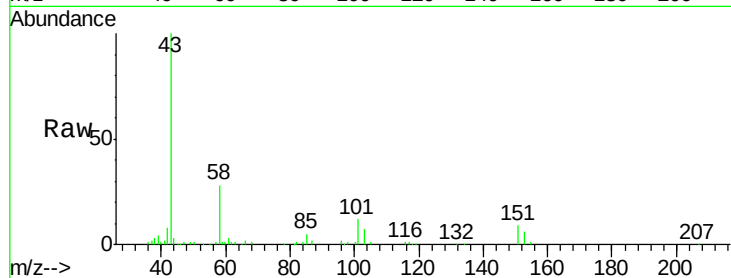
VICV88

Tgt Ion: 43 Resp: 87180

Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.4



#14

Carbon disulfide

Concen: 23.446 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW004034.D

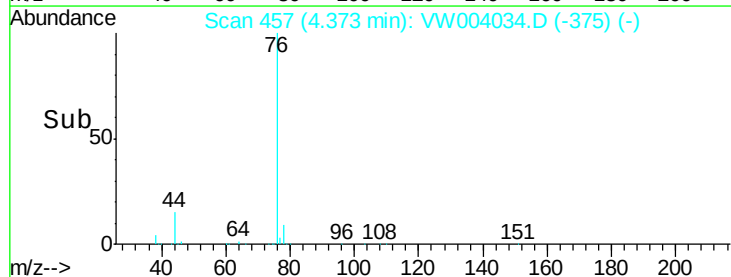
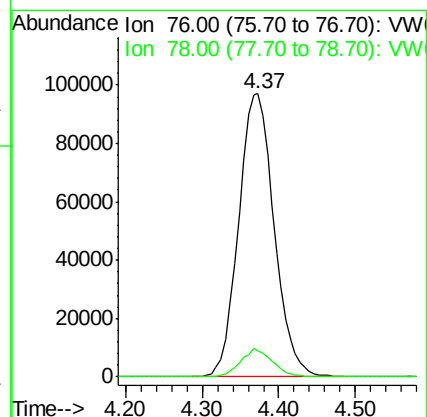
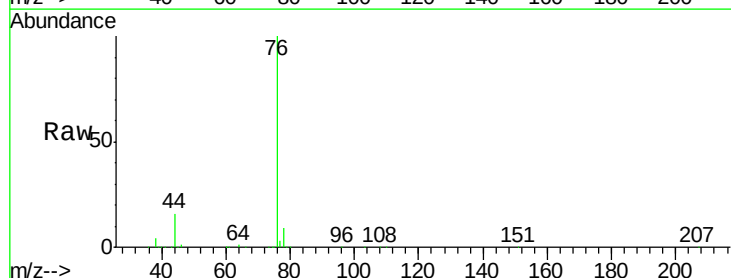
Acq: 18 Jul 2018 20:52

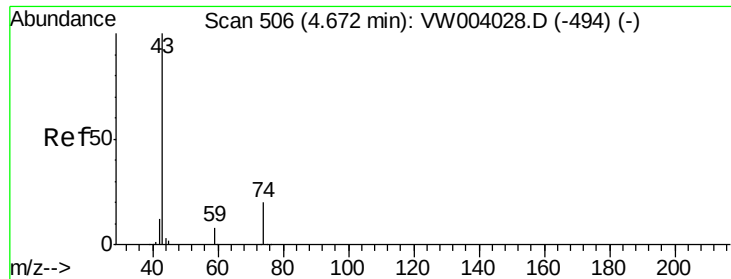
Tgt Ion: 76 Resp: 312011

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

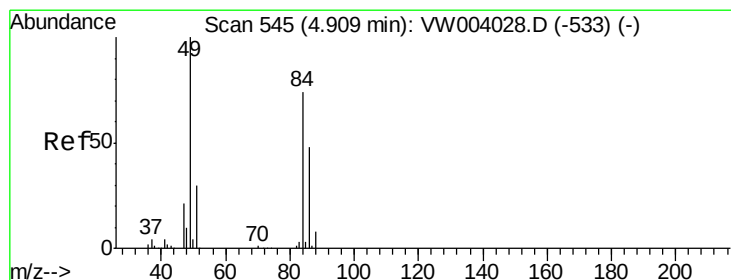
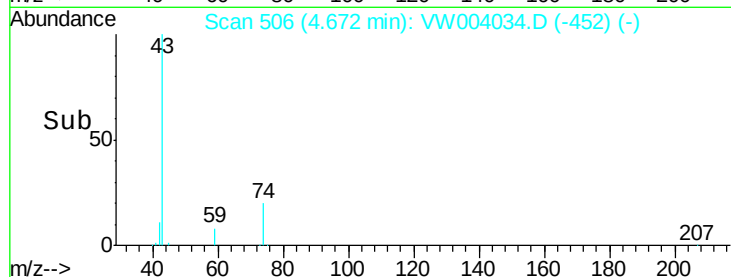
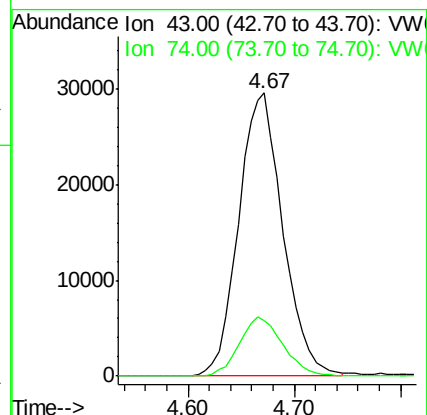
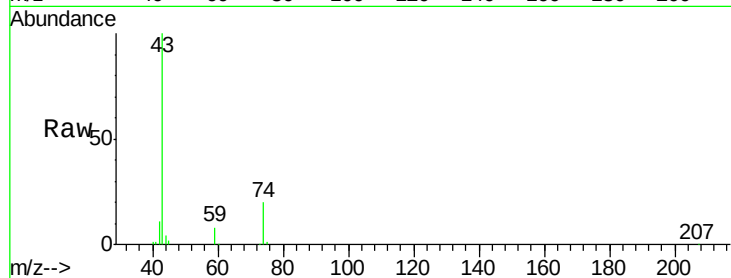




#15
Methyl Acetate
Concen: 25.558 ug/L
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004034.D
Acq: 18 Jul 2018 20:52

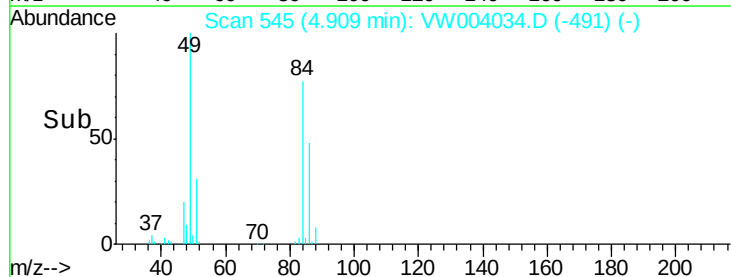
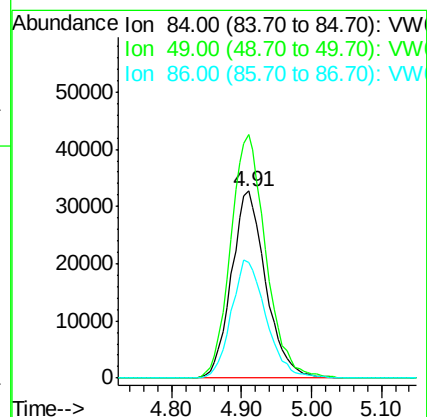
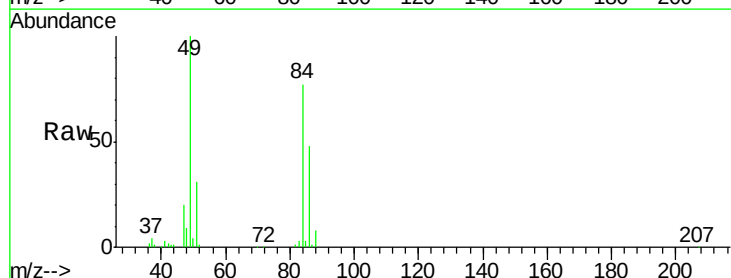
Instrument :
MSVOA_W
ClientSampleId :
VICV88

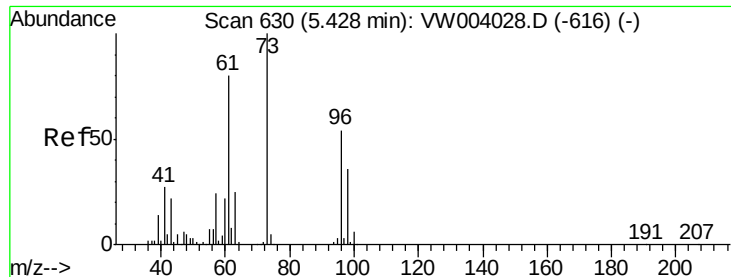
Tgt Ion: 43 Resp: 84966
Ion Ratio Lower Upper
43 100
74 20.8 16.6 24.8



#16
Methylene chloride
Concen: 18.836 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004034.D
Acq: 18 Jul 2018 20:52

Tgt Ion: 84 Resp: 111666
Ion Ratio Lower Upper
84 100
49 130.4 94.2 175.0
86 62.1 45.1 83.9

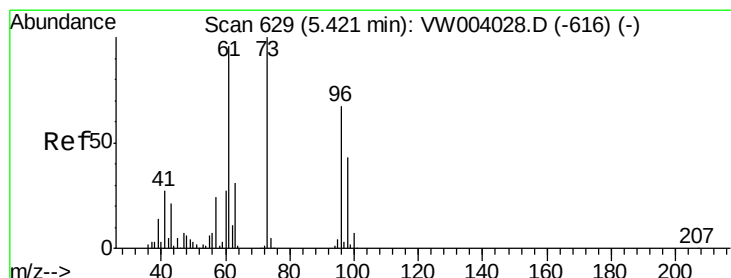
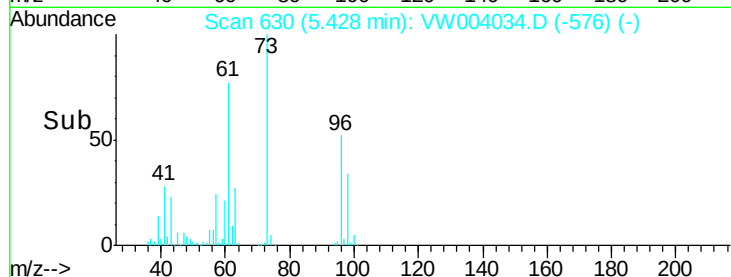
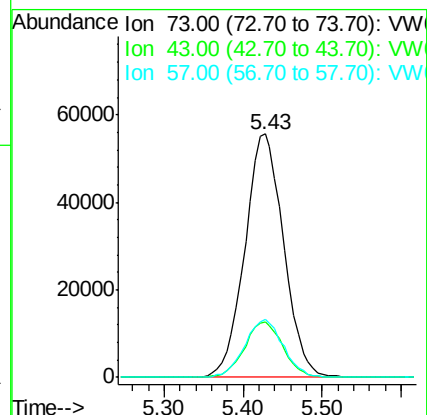
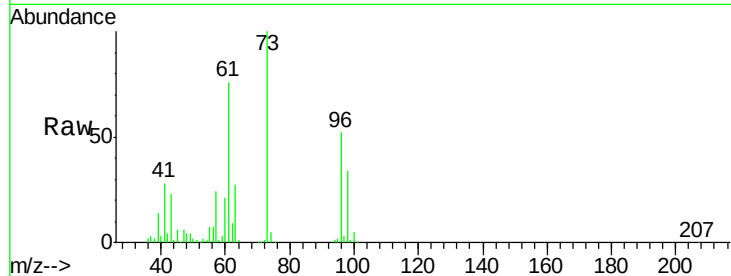




#17
Methyl tert-butyl Ether
Concen: 23.867 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004034.D
Acq: 18 Jul 2018 20:52

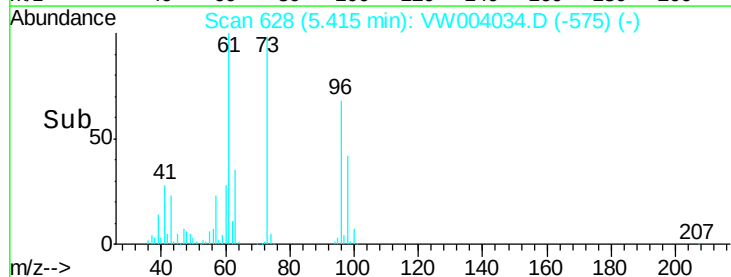
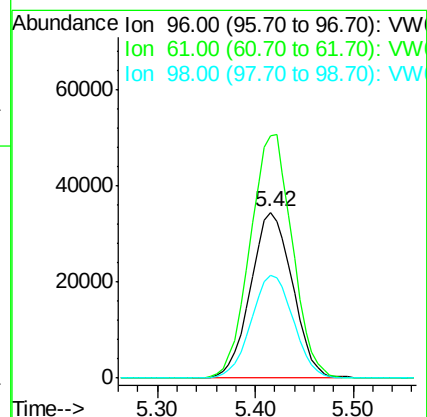
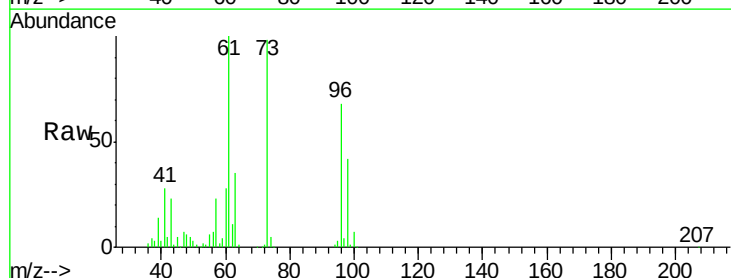
Instrument :
MSVOA_W
ClientSampled :
VICV88

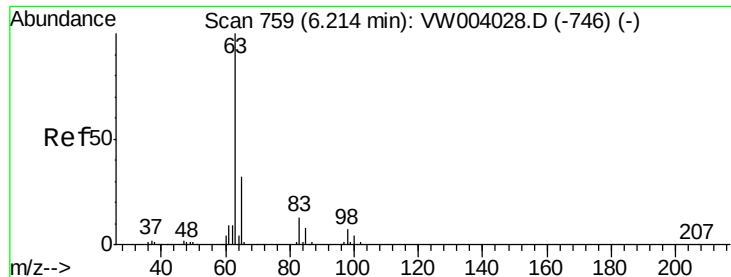
Tgt Ion: 73 Resp: 189868
Ion Ratio Lower Upper
73 100
43 22.8 18.1 27.1
57 23.7 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 24.182 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW004034.D
Acq: 18 Jul 2018 20:52

Tgt Ion: 96 Resp: 102408
Ion Ratio Lower Upper
96 100
61 146.1 99.8 185.4
98 61.5 44.9 83.3





#19

1,1-Dichloroethane

Concen: 24.047 ug/L

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampled :

VICV88

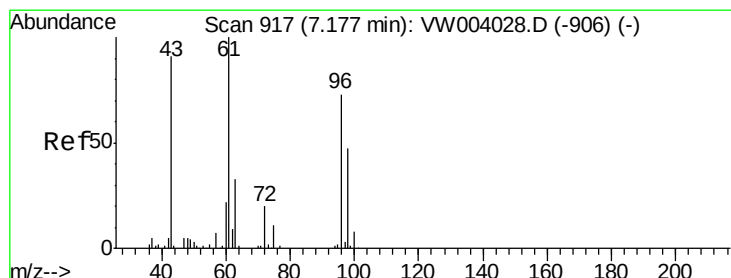
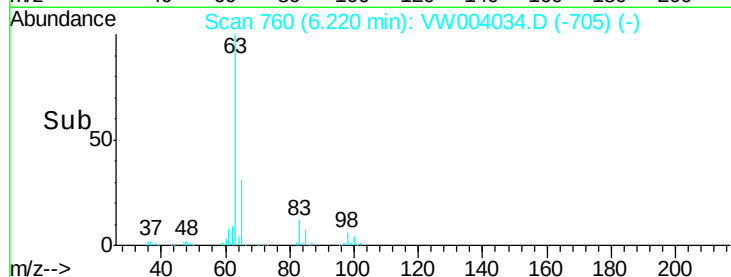
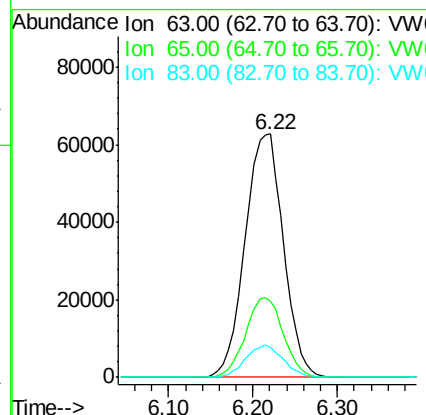
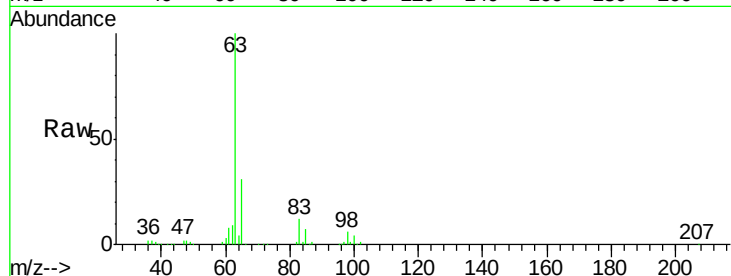
Tgt Ion: 63 Resp: 193743

Ion Ratio Lower Upper

63 100

65 31.1 22.4 41.6

83 12.3 9.2 17.2



#21

2-Butanone

Concen: 50.064 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004034.D

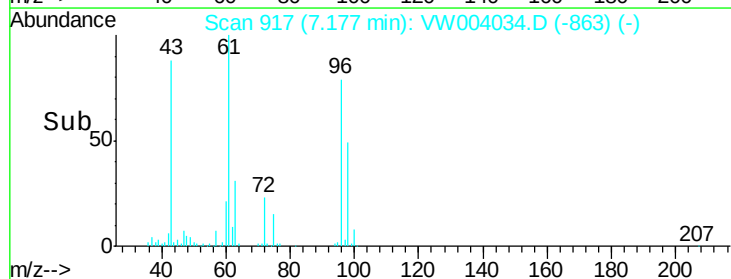
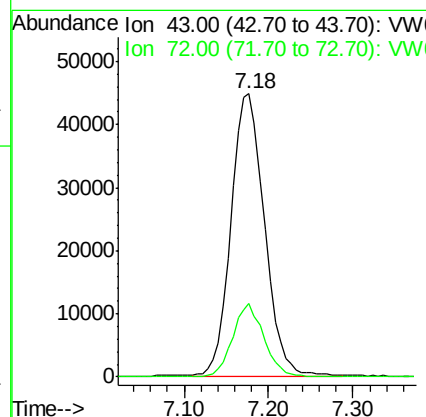
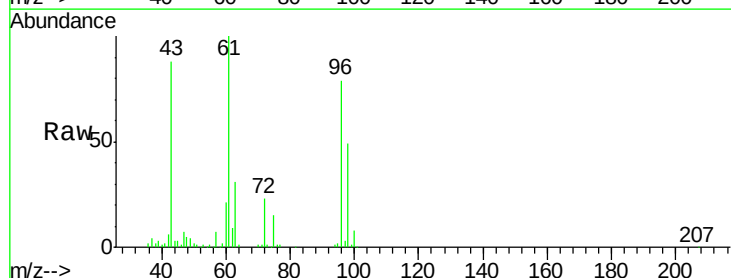
Acq: 18 Jul 2018 20:52

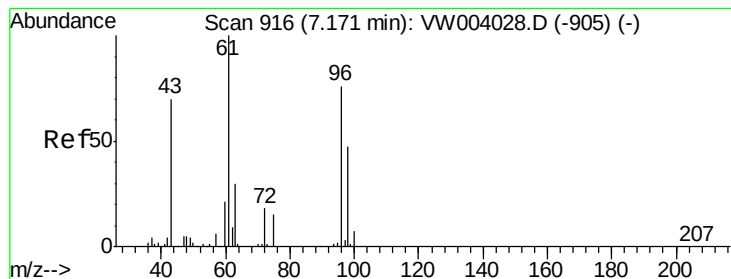
Tgt Ion: 43 Resp: 121047

Ion Ratio Lower Upper

43 100

72 24.2 12.1 36.3



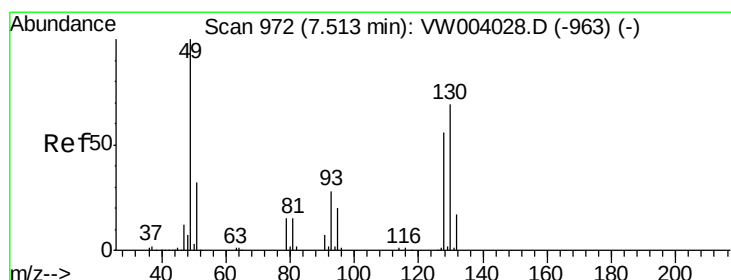
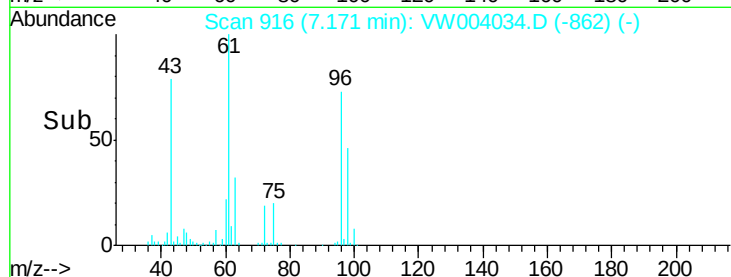
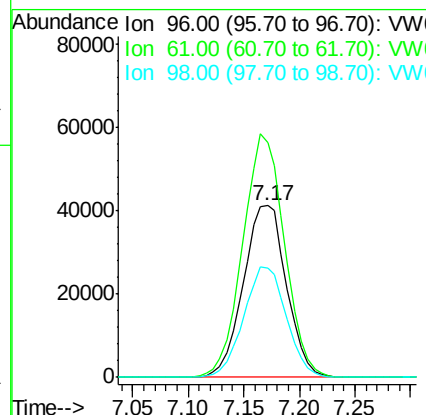
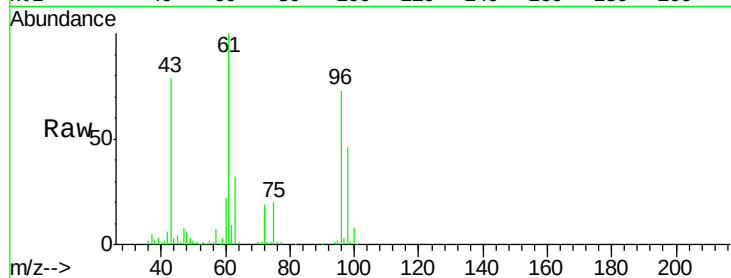


#22

cis-1,2-Dichloroethene
 Concen: 24.535 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

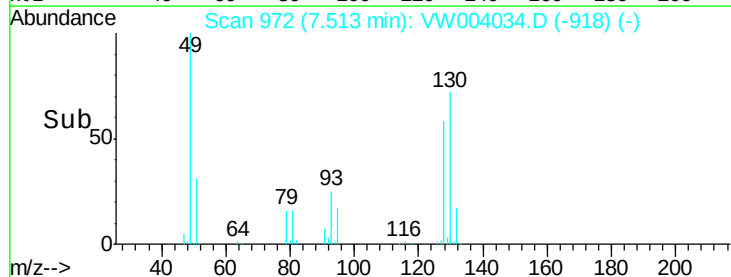
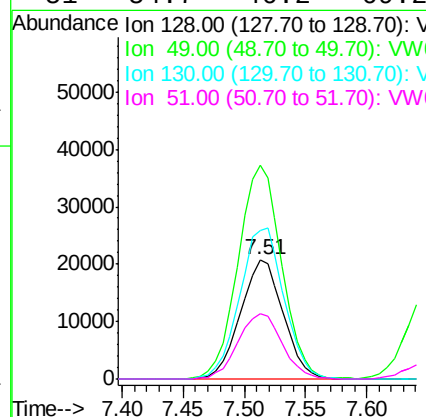
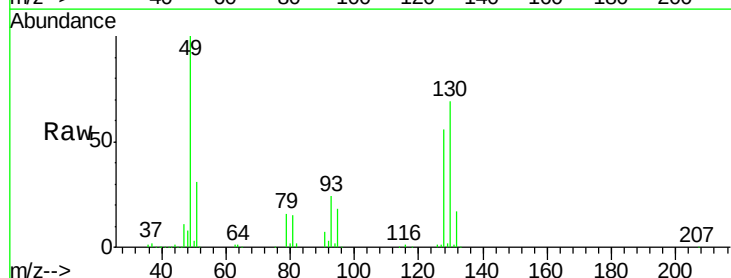
Tgt Ion: 96 Resp: 111055
 Ion Ratio Lower Upper
 96 100
 61 137.2 92.5 171.9
 98 63.4 43.0 80.0

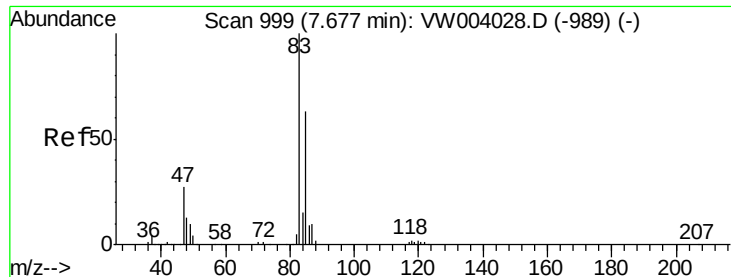


#23

Bromochloromethane
 Concen: 23.717 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

Tgt Ion: 128 Resp: 50477
 Ion Ratio Lower Upper
 128 100
 49 178.7 126.4 234.8
 130 123.9 87.8 163.0
 51 54.7 46.2 69.2





#25

Chloroform

Concen: 24.029 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

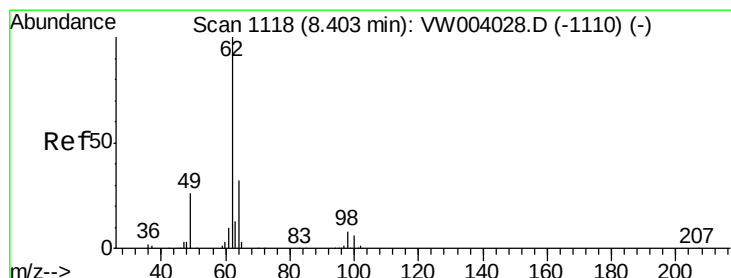
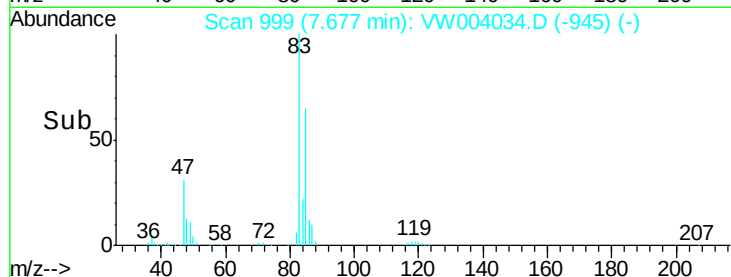
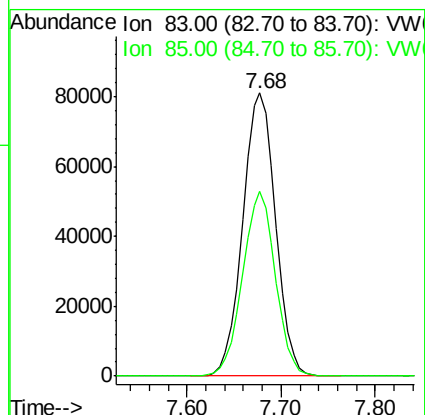
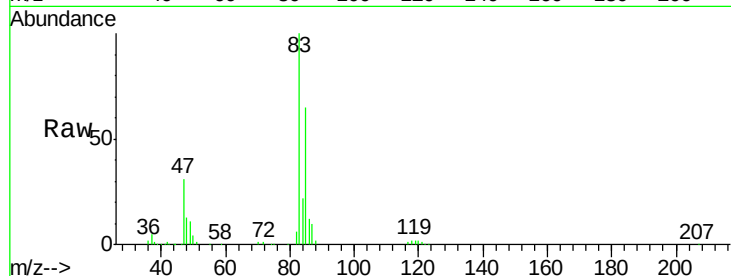
VICV88

Tgt Ion: 83 Resp: 197697

Ion Ratio Lower Upper

83 100

85 65.1 45.3 84.1



#27

1,2-Dichloroethane

Concen: 23.926 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004034.D

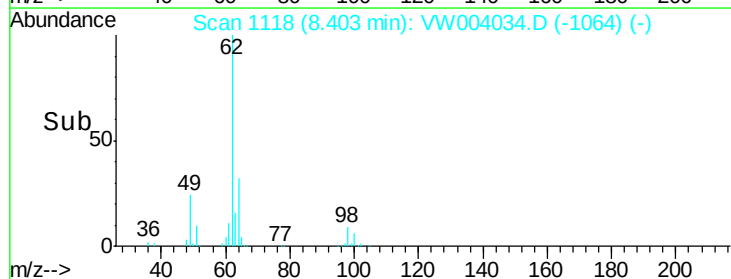
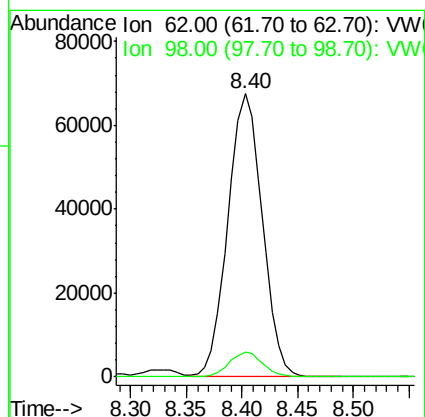
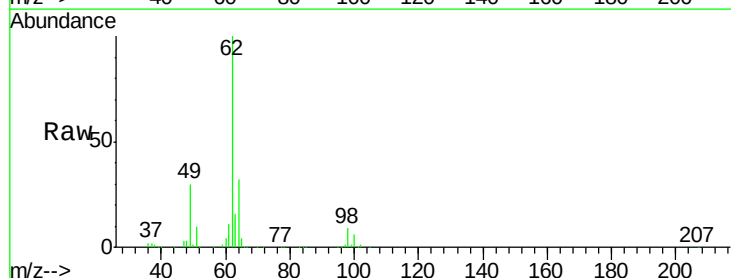
Acq: 18 Jul 2018 20:52

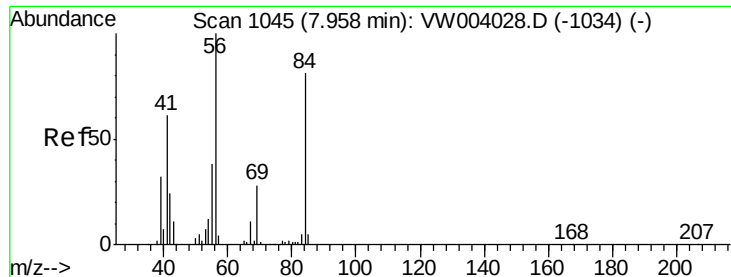
Tgt Ion: 62 Resp: 145084

Ion Ratio Lower Upper

62 100

98 8.7 6.2 9.4

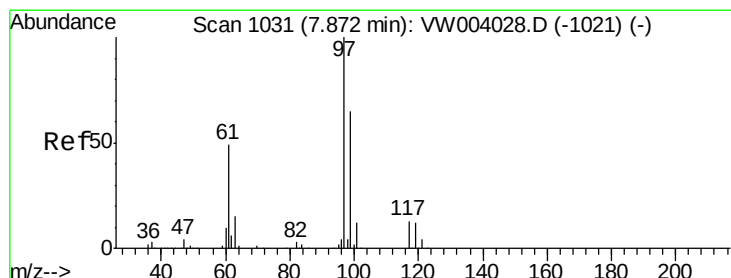
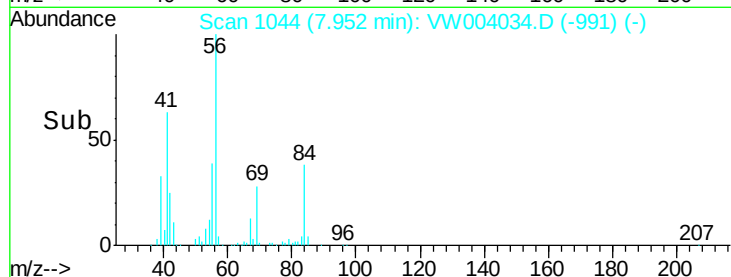
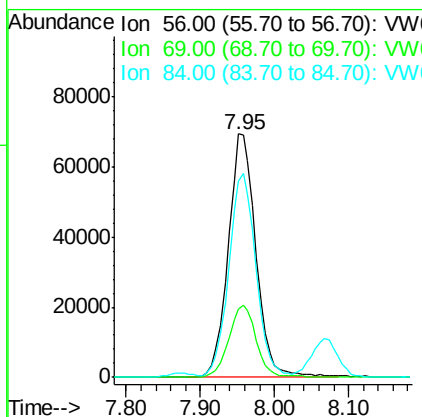
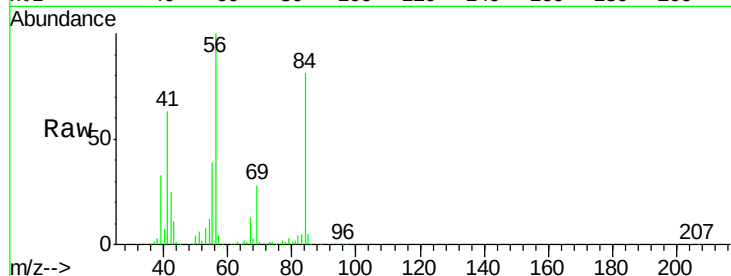




#30
Cyclohexane
Concen: 26.259 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004034.D
Acq: 18 Jul 2018 20:52

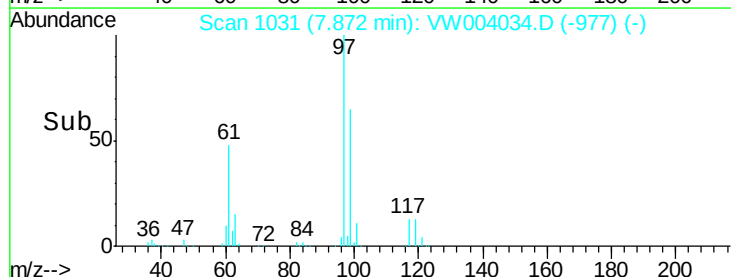
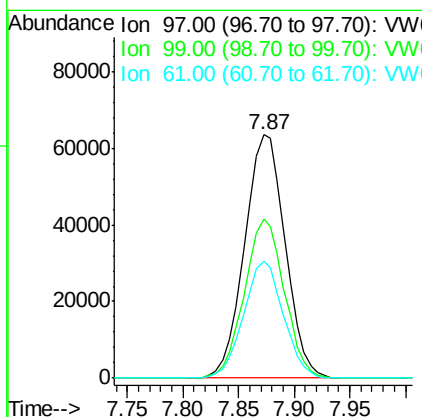
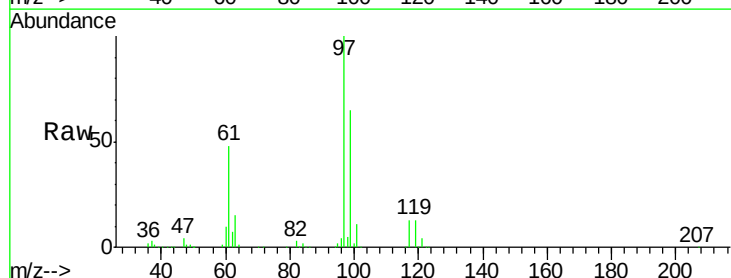
Instrument :
MSVOA_W
ClientSampleId :
VICV88

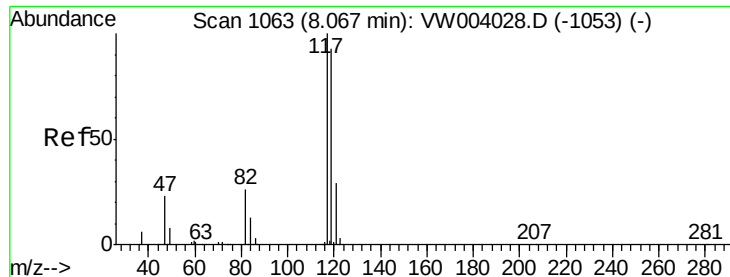
Tgt Ion: 56 Resp: 180531
Ion Ratio Lower Upper
56 100
69 28.9 22.8 34.2
84 82.3 64.6 96.8



#31
1,1,1-Trichloroethane
Concen: 25.152 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004034.D
Acq: 18 Jul 2018 20:52

Tgt Ion: 97 Resp: 161251
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 46.9 38.6 57.8





#32

Carbon tetrachloride

Concen: 24.766 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampled :

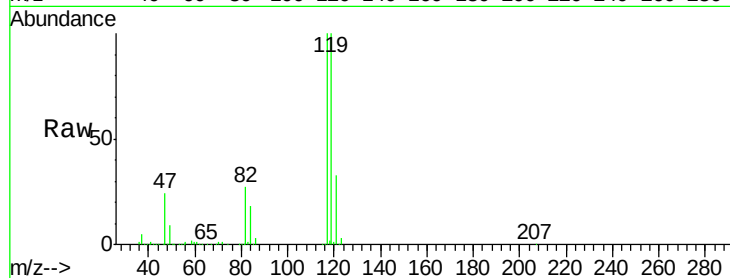
VICV88

Tgt Ion:117 Resp: 153188

Ion Ratio Lower Upper

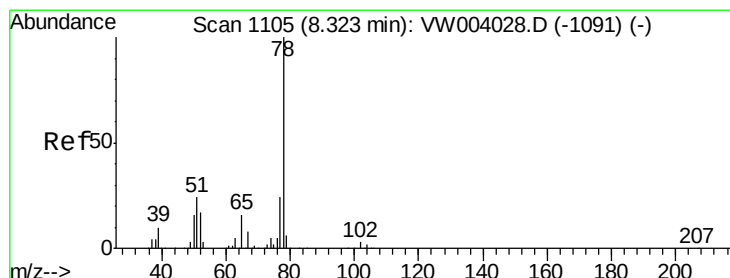
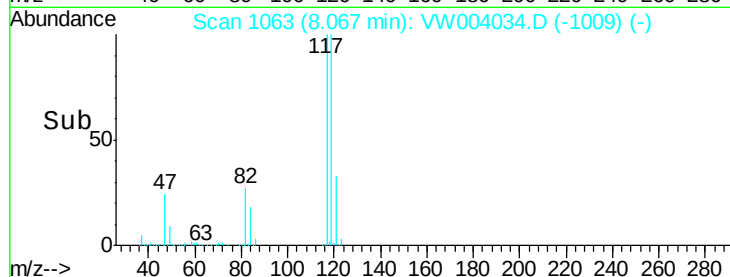
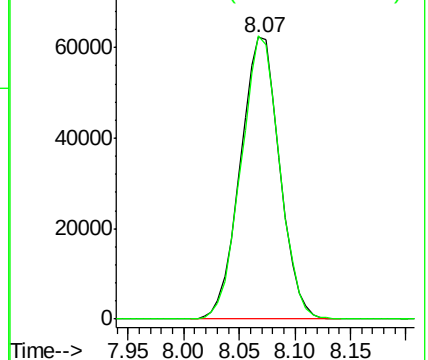
117 100

119 98.0 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.319 ug/L

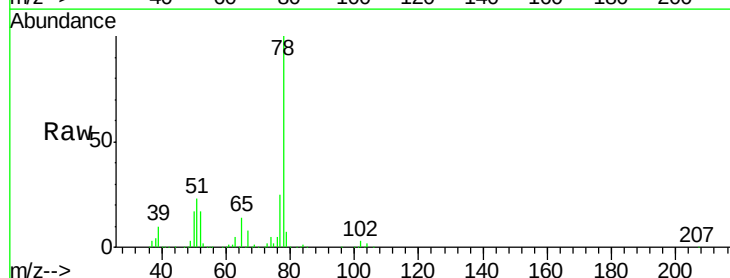
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

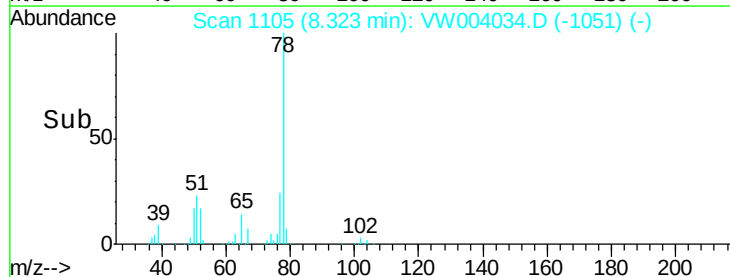
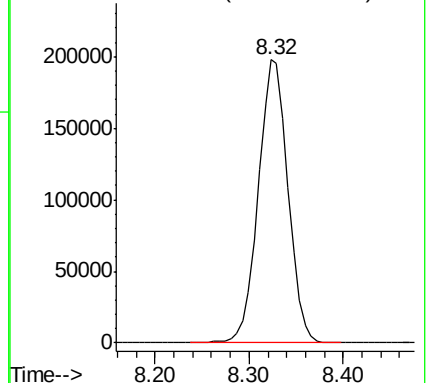
Lab File: VW004034.D

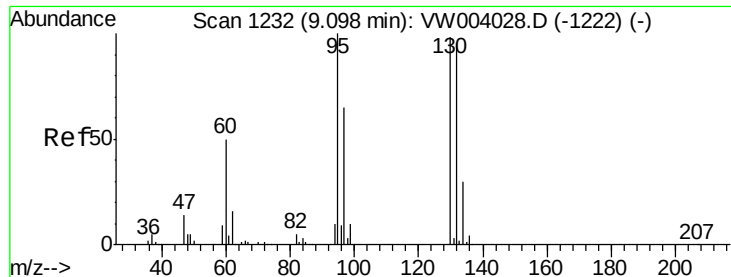
Acq: 18 Jul 2018 20:52

Tgt Ion: 78 Resp: 437497



Abundance Ion 78.00 (77.70 to 78.70): VW

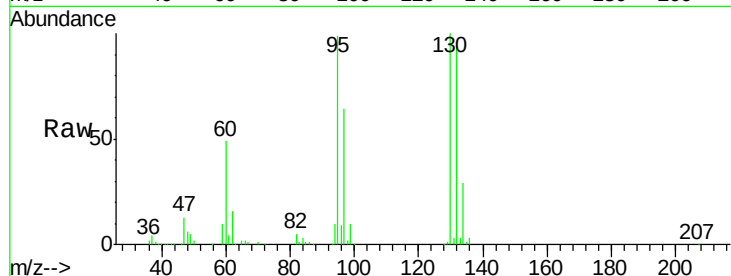




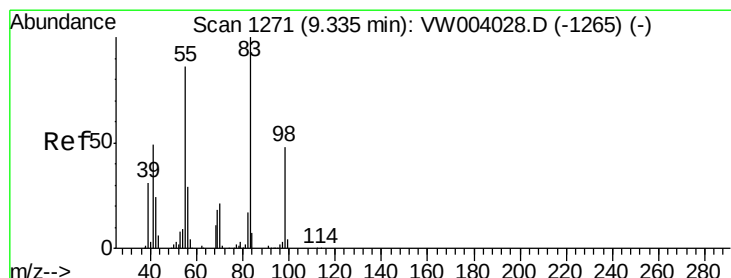
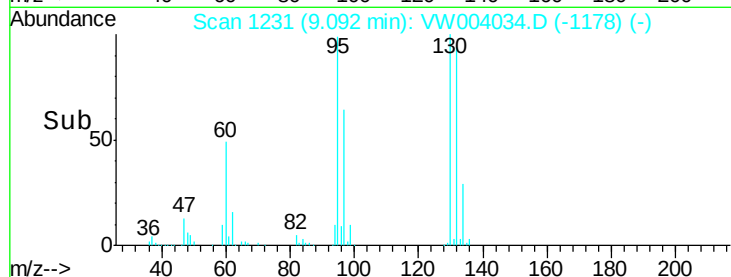
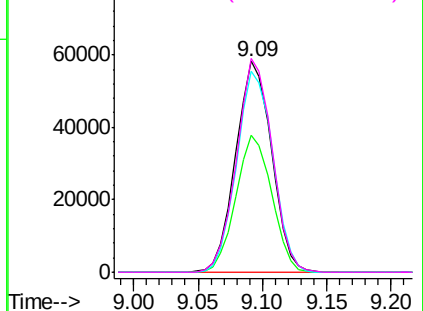
#35
 Trichloroethene
 Concen: 24.392 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

Instrument :
 MSVOA_W
 ClientSampled :
 VICV88

Tgt Ion: 95 Resp: 112770
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.7 83.1
 132 96.2 66.1 122.7
 130 99.9 68.9 127.9

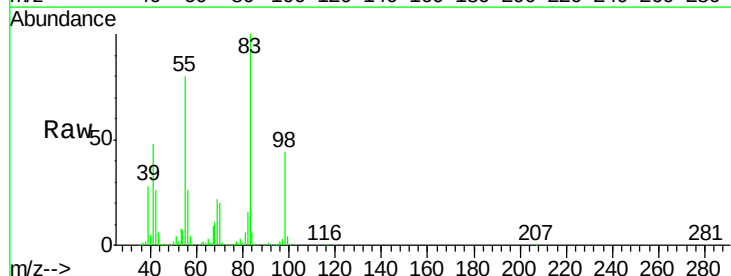


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

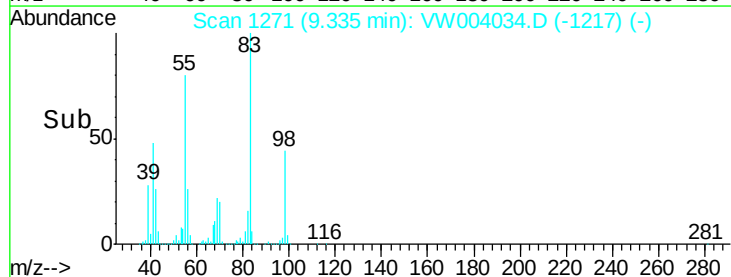
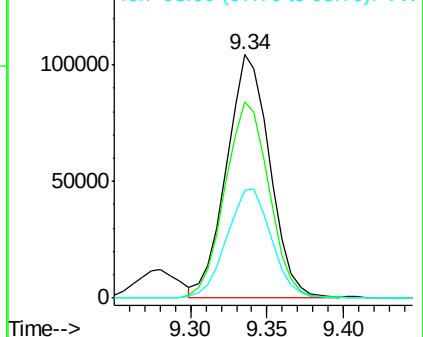


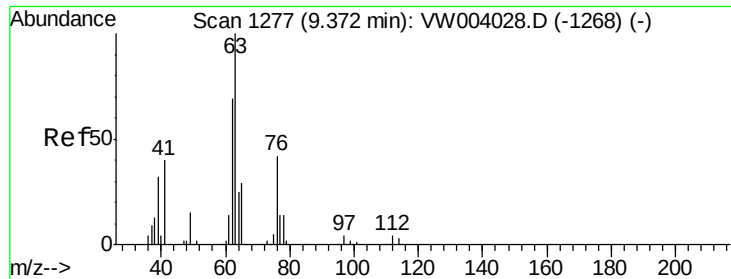
#36
 Methylcyclohexane
 Concen: 26.883 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

Tgt Ion: 83 Resp: 205424
 Ion Ratio Lower Upper
 83 100
 55 81.6 65.8 98.6
 98 46.2 37.0 55.6



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

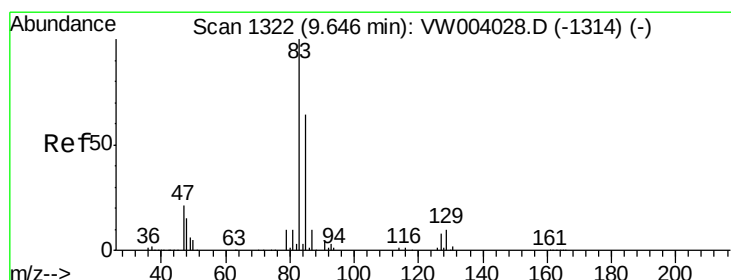
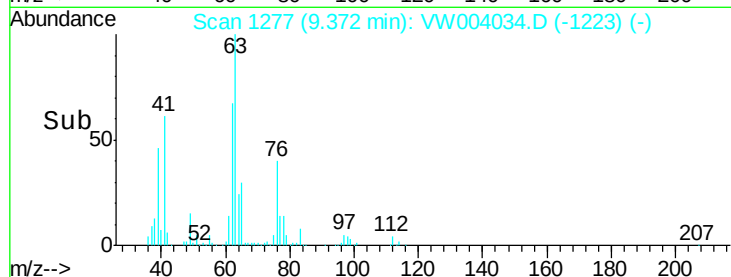
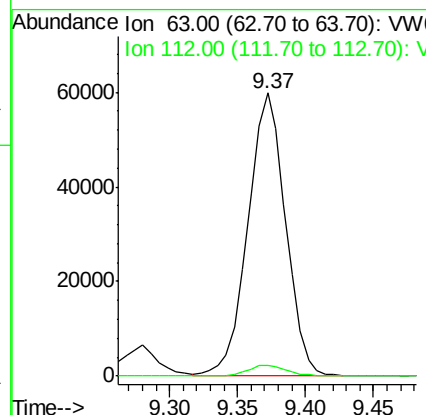
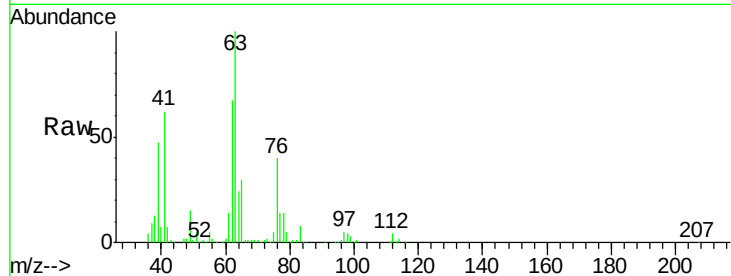




#40
 1,2-Dichloropropane
 Concen: 24.783 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

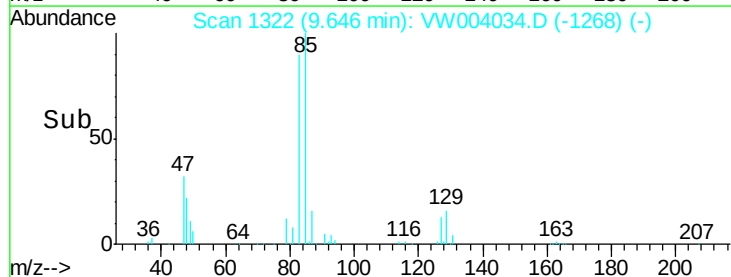
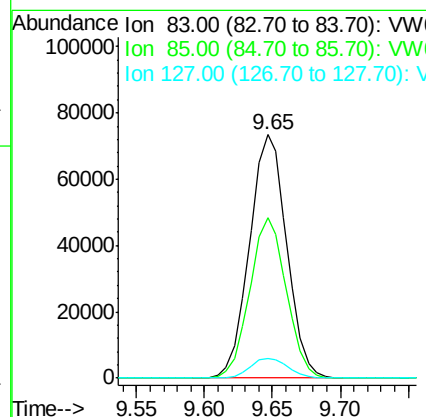
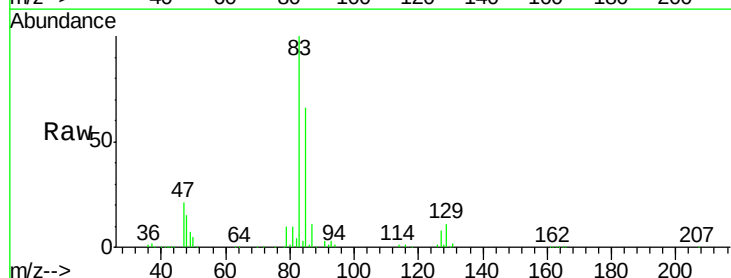
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

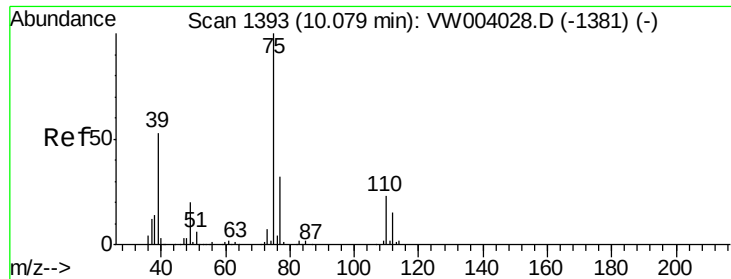
Tgt Ion: 63 Resp: 116090
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#41
 Bromodichloromethane
 Concen: 24.353 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

Tgt Ion: 83 Resp: 140454
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.7 82.9
 127 8.3 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 24.936 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

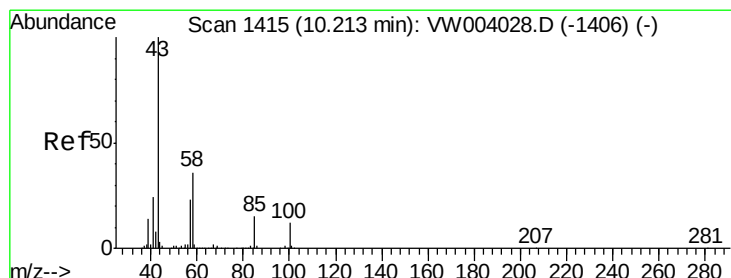
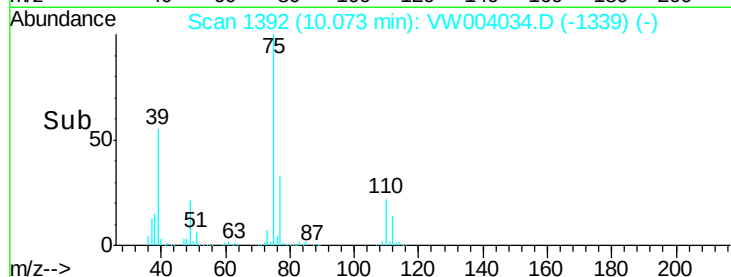
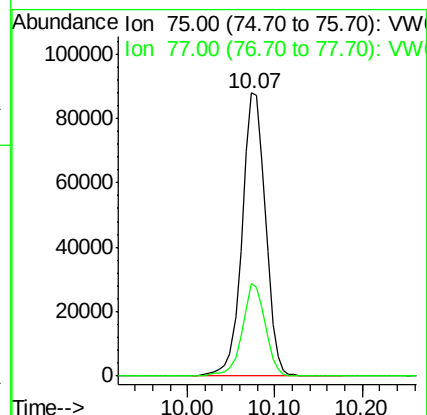
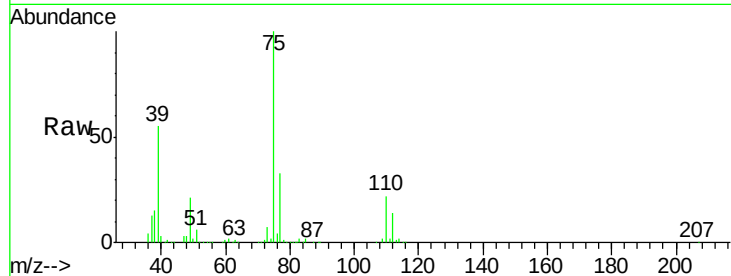
VICV88

Tgt Ion: 75 Resp: 164588

Ion Ratio Lower Upper

75 100

77 32.9 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 55.633 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

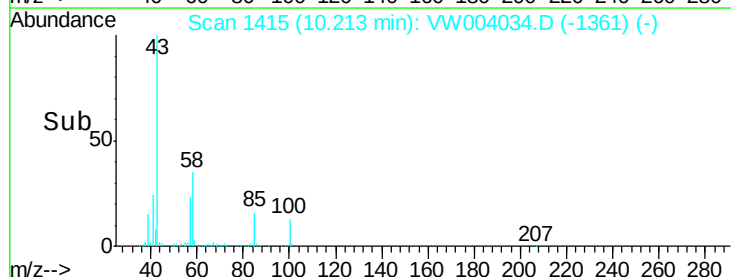
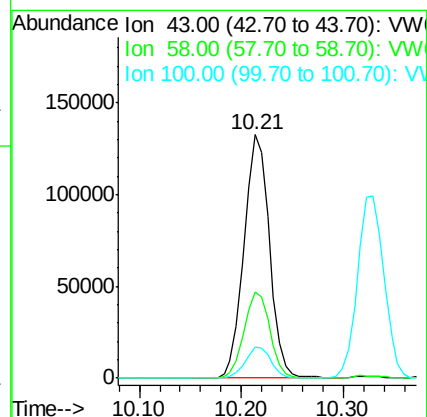
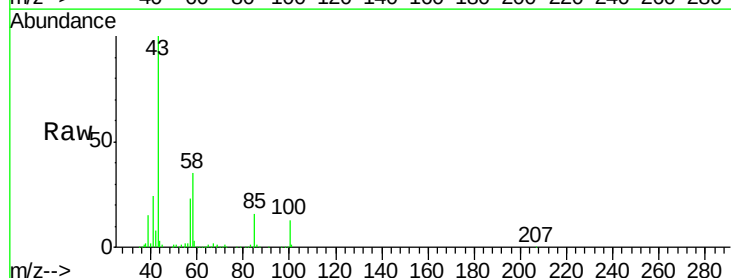
Tgt Ion: 43 Resp: 229096

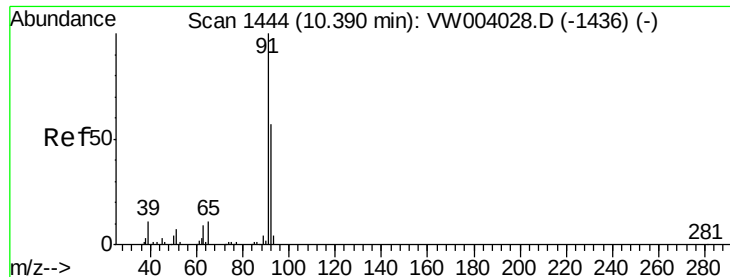
Ion Ratio Lower Upper

43 100

58 35.8 29.4 44.2

100 13.0 10.8 16.2





#44

Toluene

Concen: 26.027 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampled :

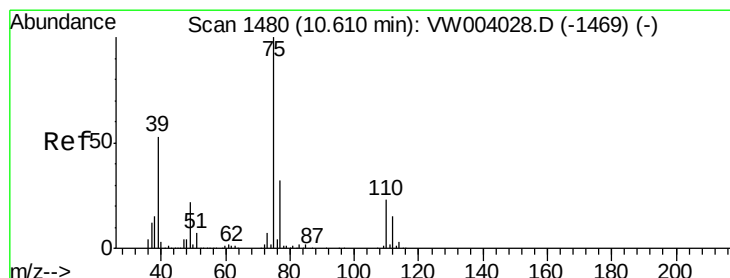
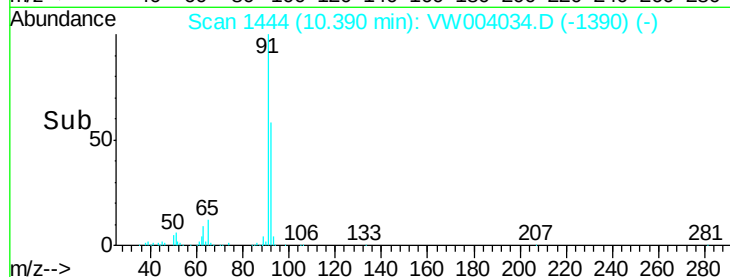
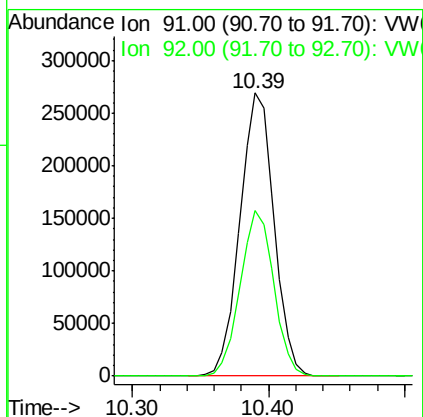
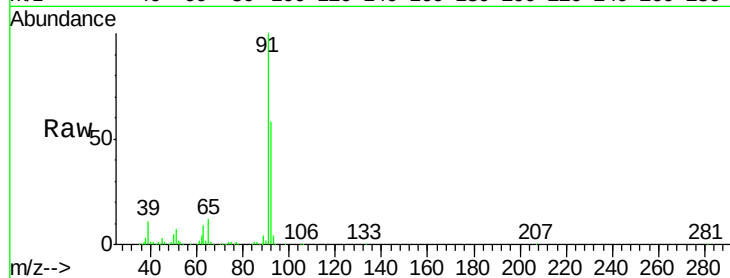
VICV88

Tgt Ion: 91 Resp: 471251

Ion Ratio Lower Upper

91 100

92 58.3 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.260 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004034.D

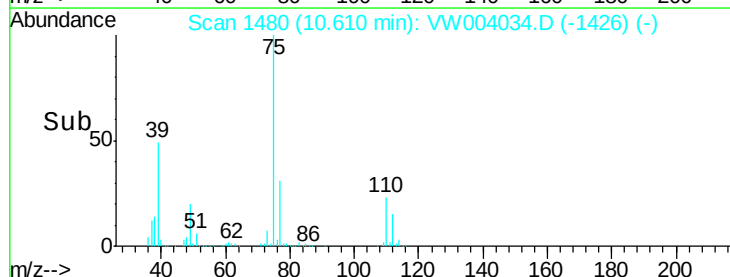
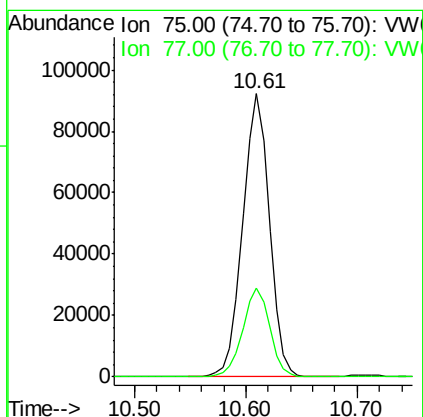
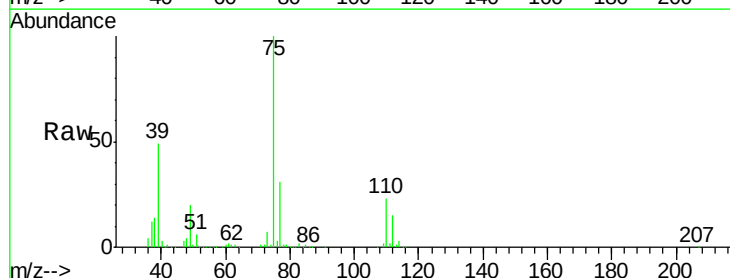
Acq: 18 Jul 2018 20:52

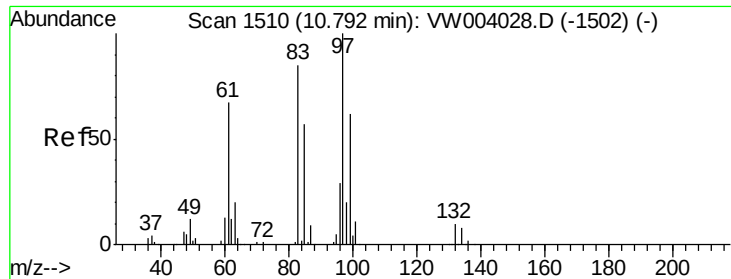
Tgt Ion: 75 Resp: 153787

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7

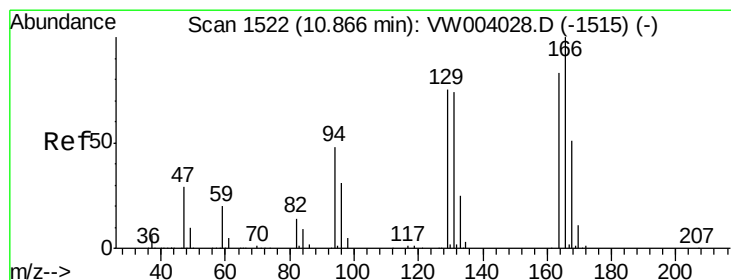
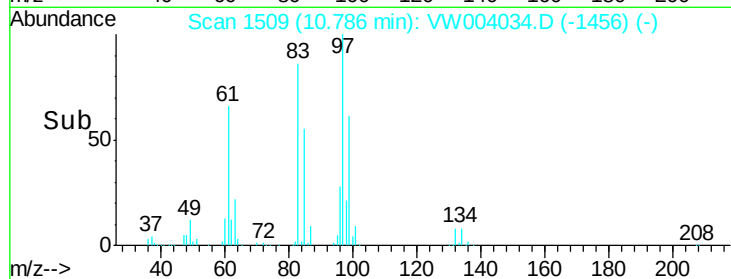
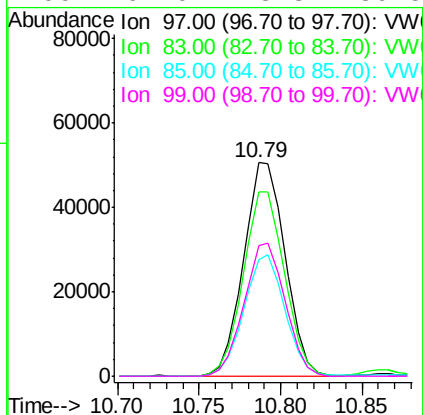
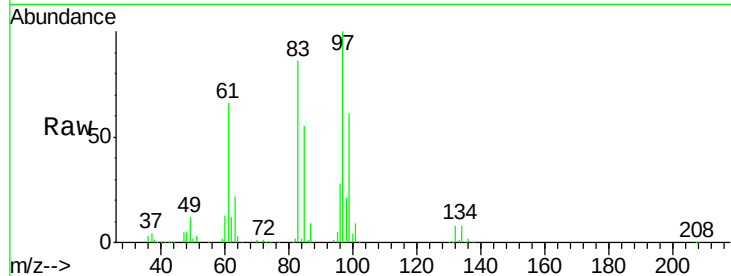




#46
 1,1,2-Trichloroethane
 Concen: 24.673 ug/L
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

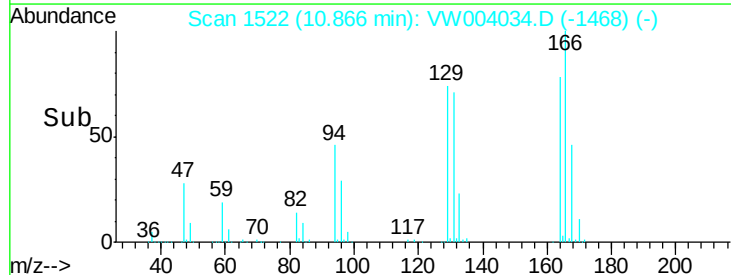
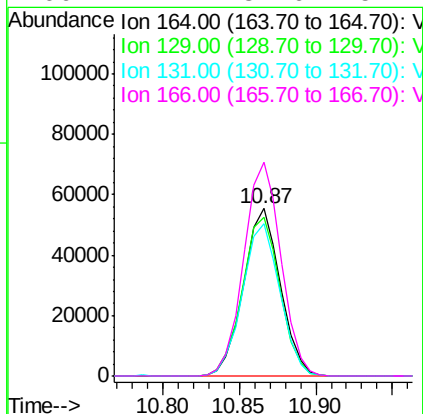
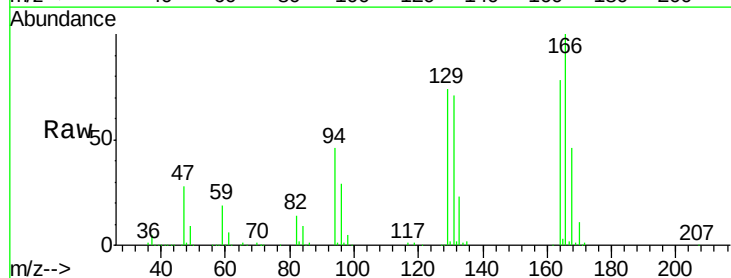
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

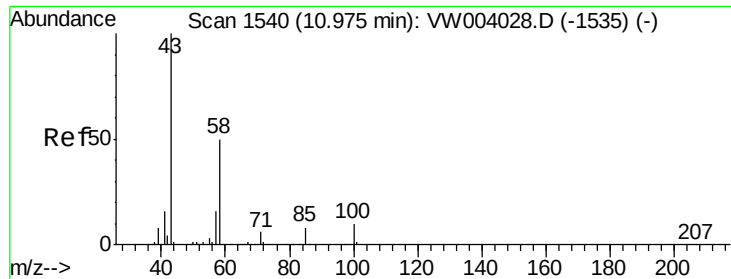
Tgt Ion:	97	Resp:	89825
Ion	Ratio	Lower	Upper
97	100		
83	86.4	59.4	110.4
85	54.6	40.0	74.2
99	61.0	43.3	80.5



#47
 Tetrachloroethene
 Concen: 24.933 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

Tgt Ion:	164	Resp:	92969
Ion	Ratio	Lower	Upper
164	100		
129	94.7	63.1	117.3
131	90.8	62.8	116.6
166	127.7	84.6	157.2

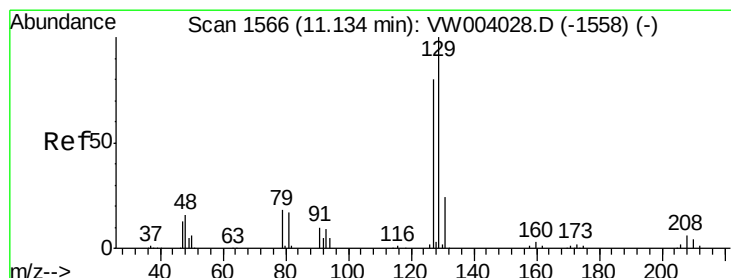
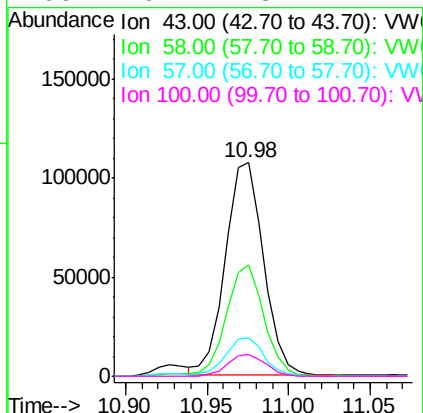
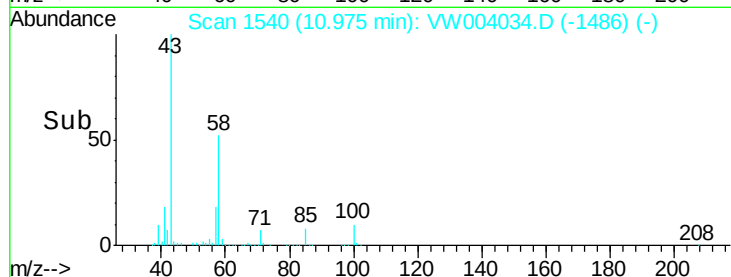
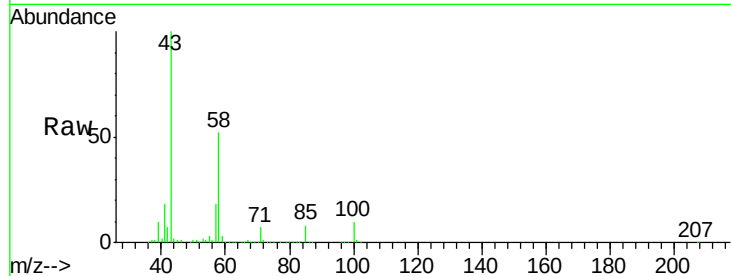




#49
2-Hexanone
Concen: 55.022 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004034.D
Acq: 18 Jul 2018 20:52

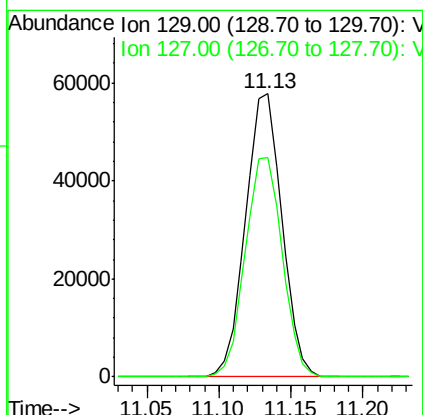
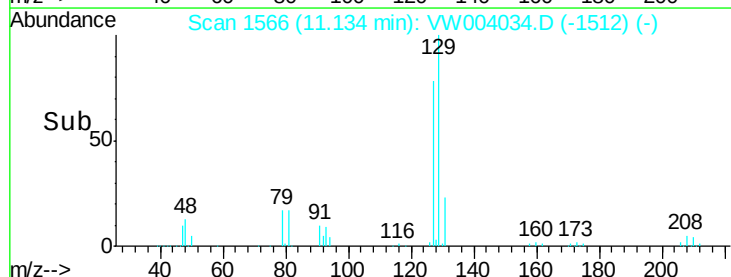
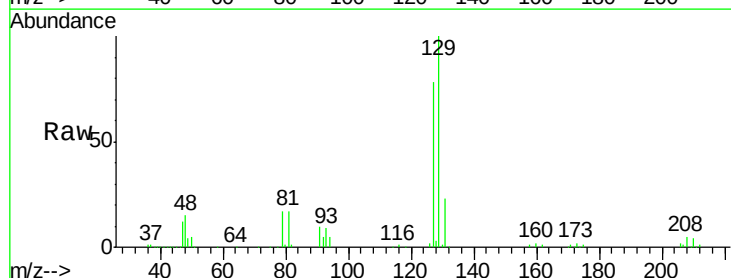
Instrument :
MSVOA_W
ClientSampleId :
VICV88

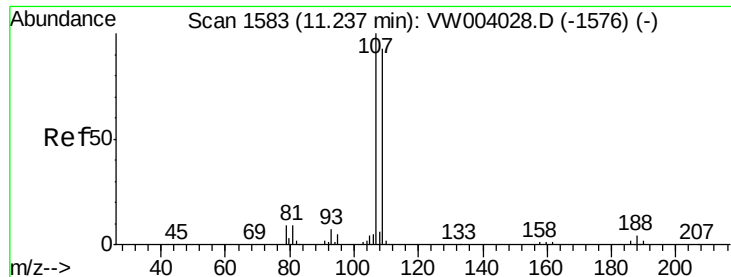
Tgt Ion: 43 Resp: 175415
Ion Ratio Lower Upper
43 100
58 51.0 40.4 60.6
57 18.5 14.0 21.0
100 10.2 8.2 12.2



#50
Dibromochloromethane
Concen: 24.838 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004034.D
Acq: 18 Jul 2018 20:52

Tgt Ion: 129 Resp: 101295
Ion Ratio Lower Upper
129 100
127 77.6 56.1 104.3





#51

1,2-Dibromoethane

Concen: 25.015 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

VICV88

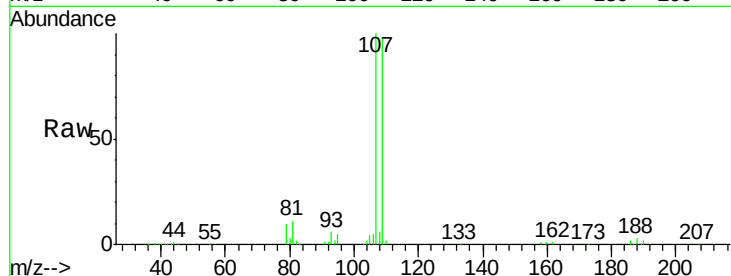
Tgt Ion:107 Resp: 88944

Ion Ratio Lower Upper

107 100

109 97.6 65.2 121.0

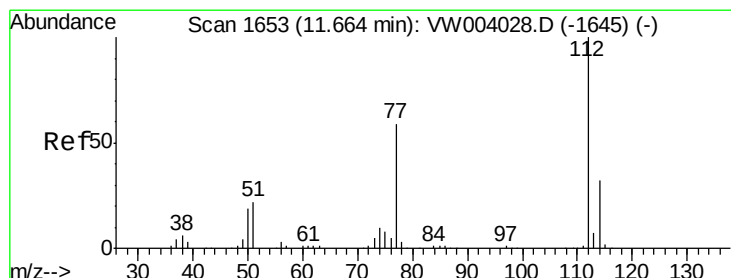
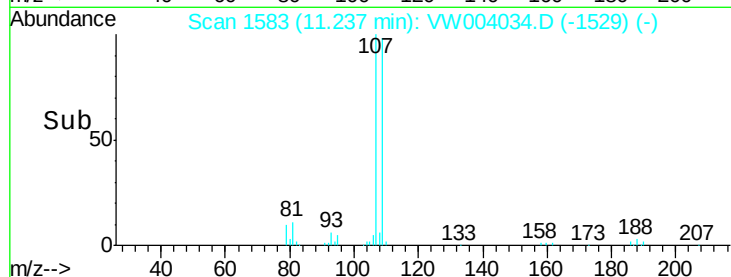
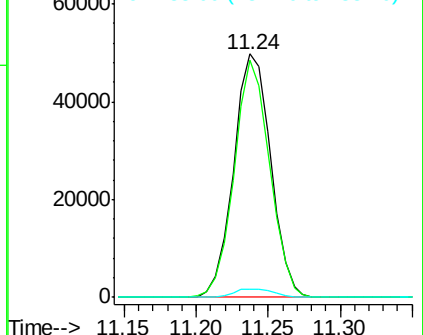
188 3.3 2.9 4.3



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: 24.505 ug/L

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

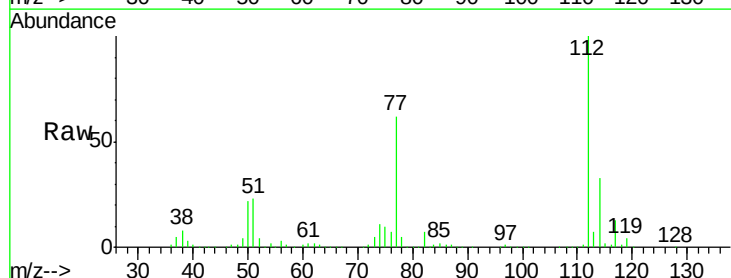
Tgt Ion:112 Resp: 284484

Ion Ratio Lower Upper

112 100

77 62.3 47.7 71.5

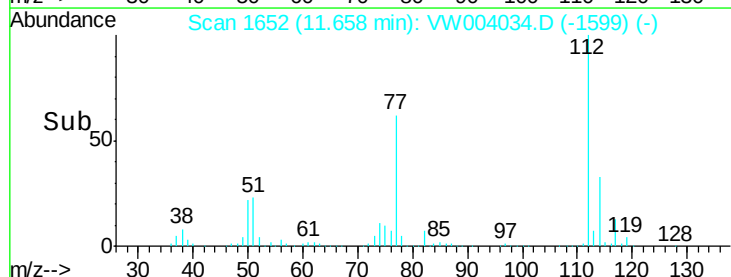
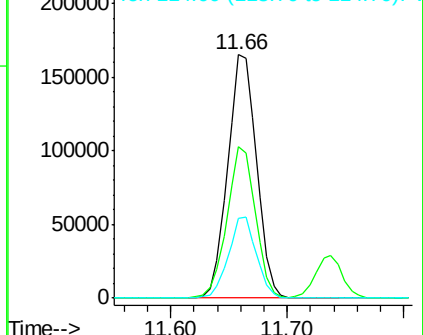
114 32.6 22.2 41.2

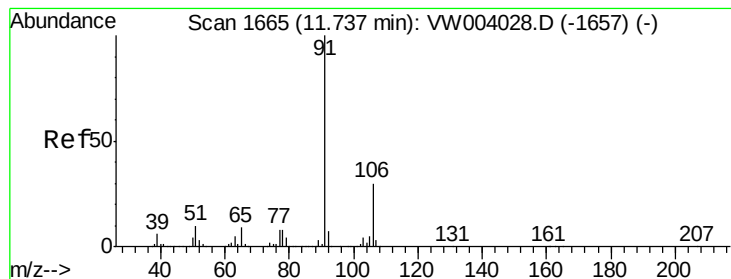


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.288 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

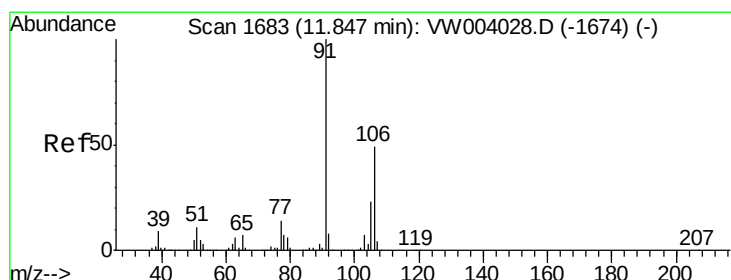
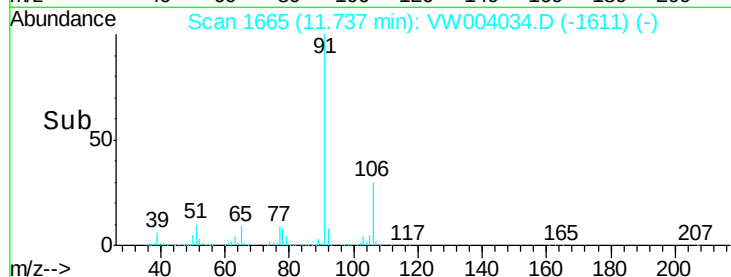
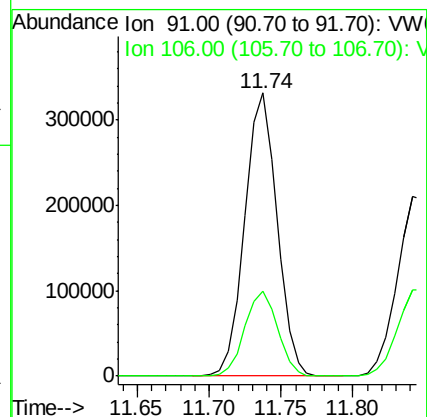
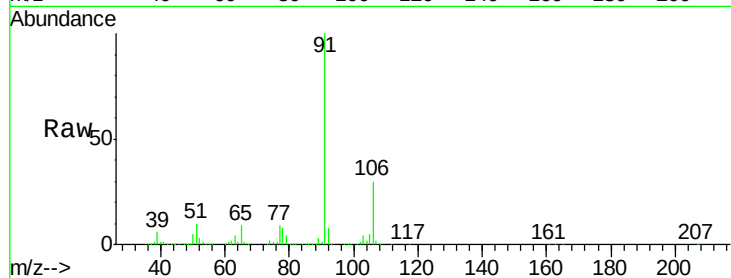
VICV88

Tgt Ion: 91 Resp: 515241

Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.5



#54

m,p-Xylene

Concen: 26.284 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004034.D

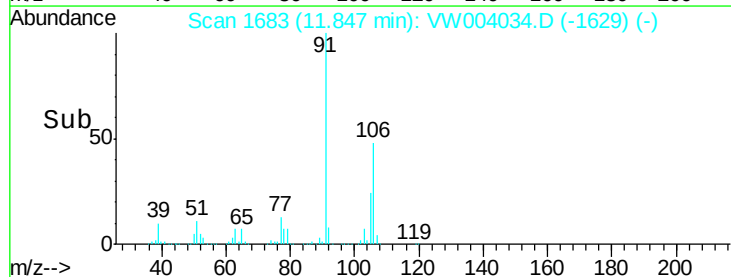
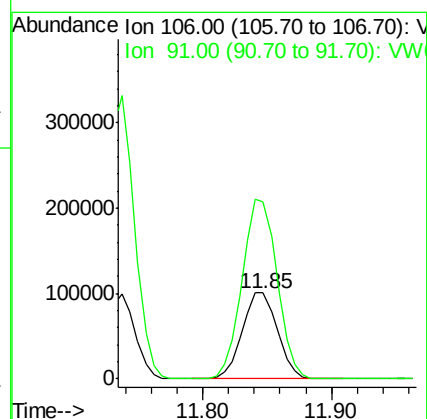
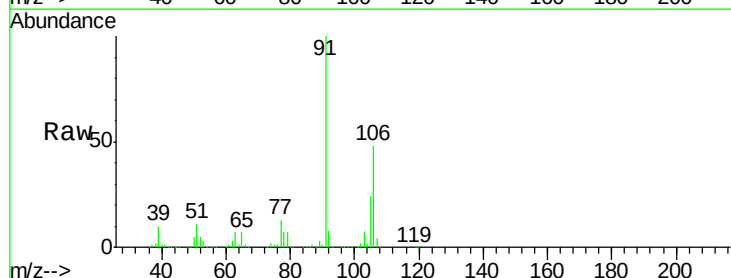
Acq: 18 Jul 2018 20:52

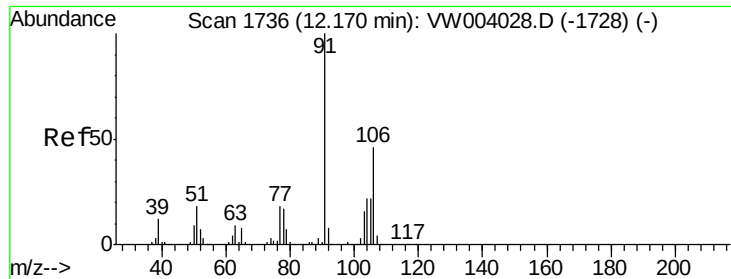
Tgt Ion: 106 Resp: 189869

Ion Ratio Lower Upper

106 100

91 206.3 142.1 263.9





#55

o-xylene

Concen: 26.657 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

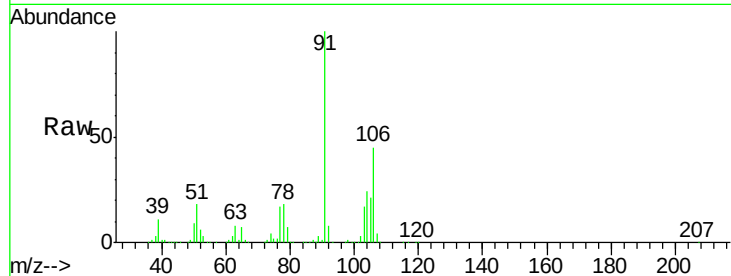
VICV88

Tgt Ion:106 Resp: 184186

Ion Ratio Lower Upper

106 100

91 220.3 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

300000

250000

200000

150000

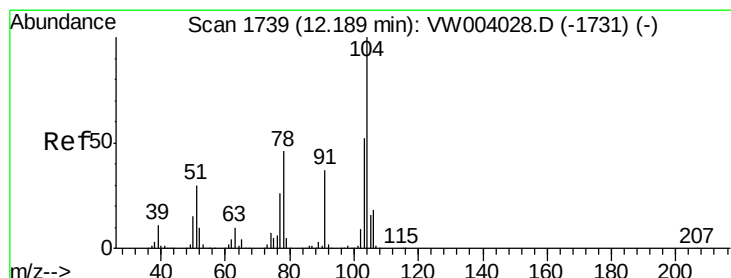
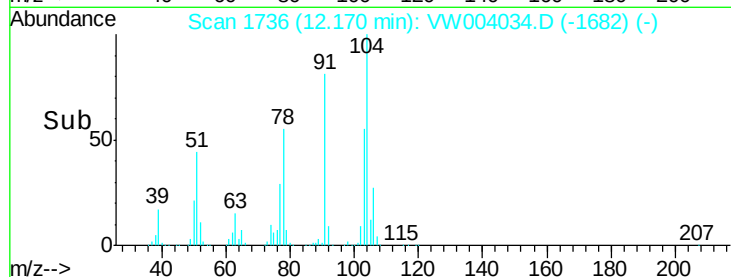
100000

50000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 27.046 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004034.D

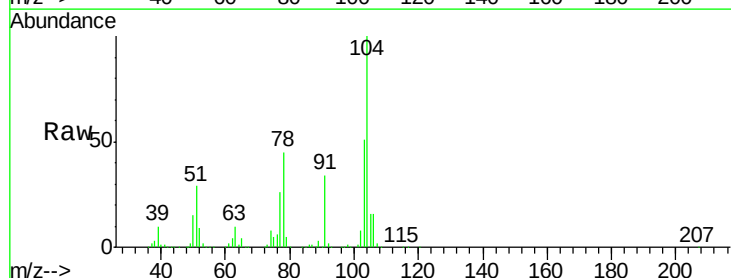
Acq: 18 Jul 2018 20:52

Tgt Ion:104 Resp: 322830

Ion Ratio Lower Upper

104 100

78 44.7 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

200000

150000

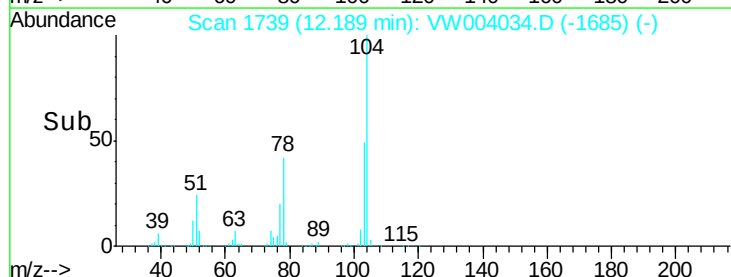
100000

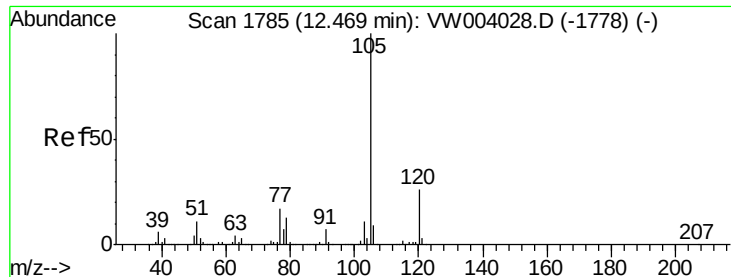
50000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 27.312 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

VICV88

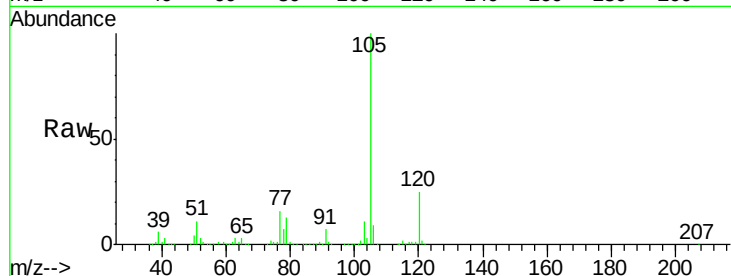
Tgt Ion: 105 Resp: 517404

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

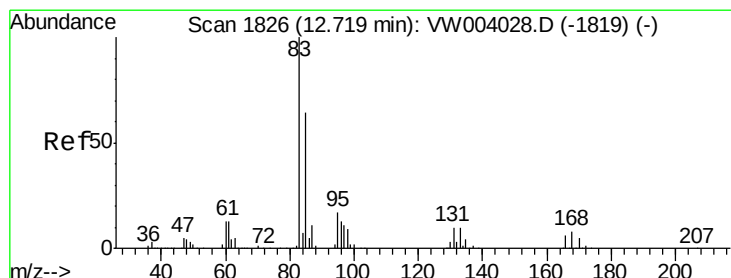
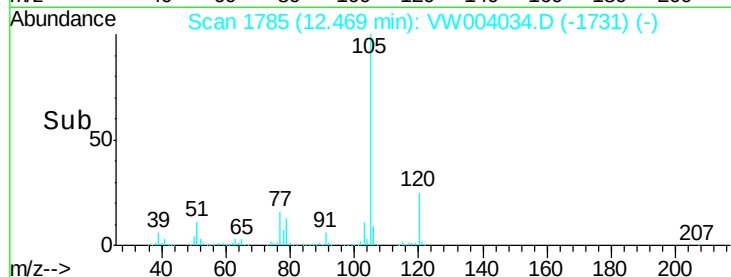
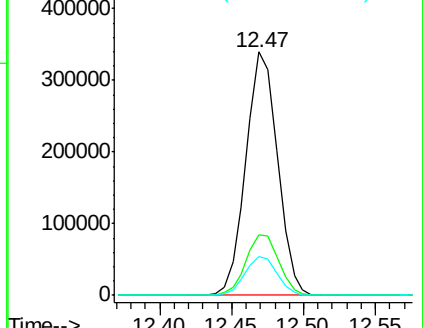
77 16.2 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.059 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

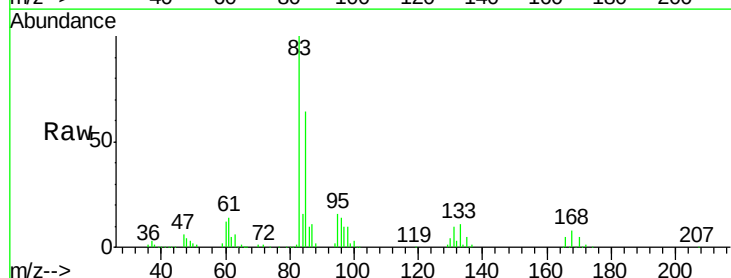
Tgt Ion: 83 Resp: 130397

Ion Ratio Lower Upper

83 100

85 63.8 44.7 83.1

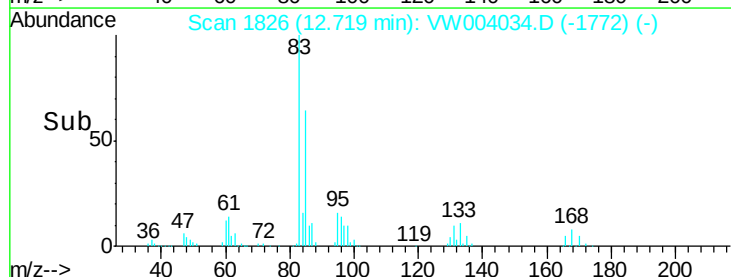
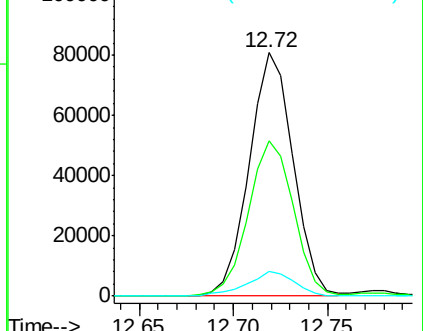
131 9.9 7.8 11.6

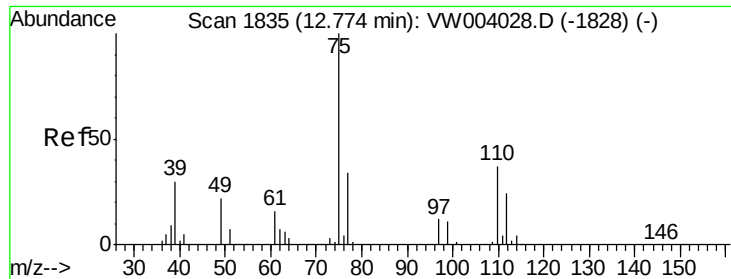


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.411 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

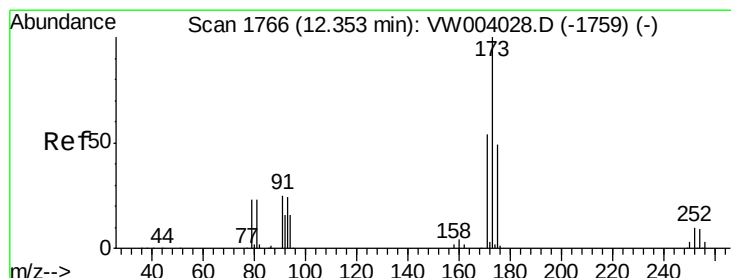
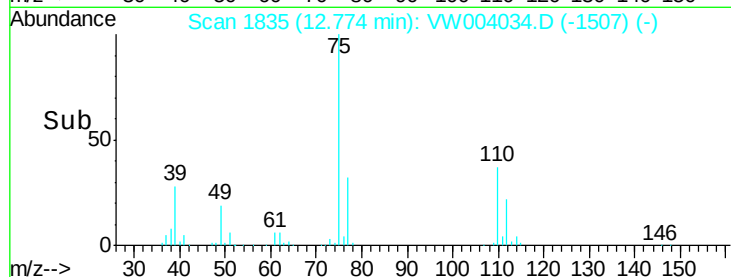
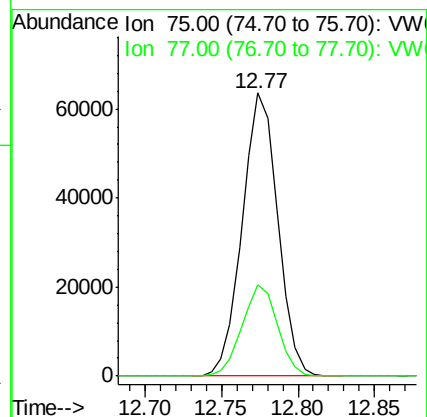
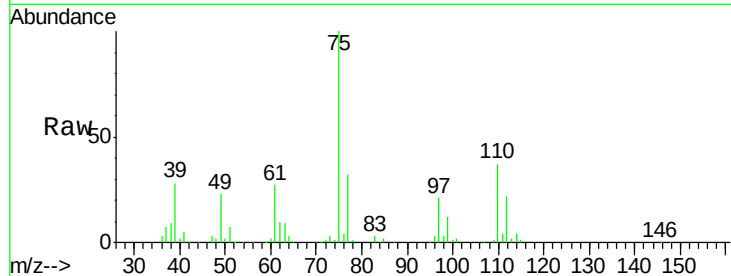
VICV88

Tgt Ion: 75 Resp: 102358

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0



#62

Bromoform

Concen: 24.624 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

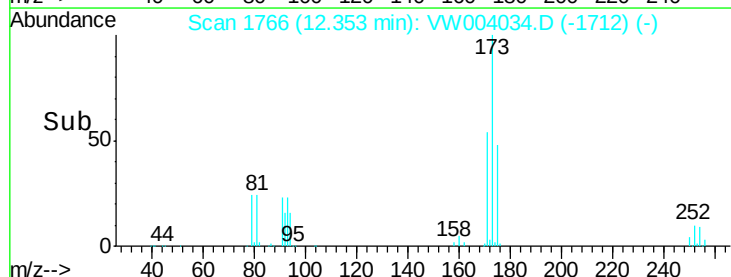
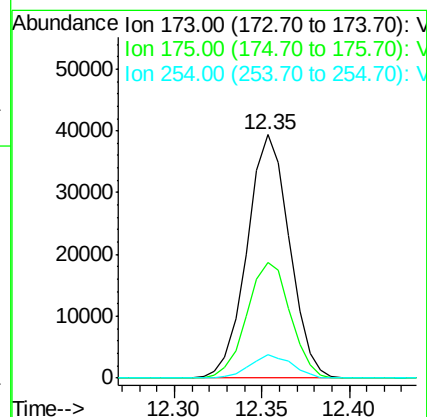
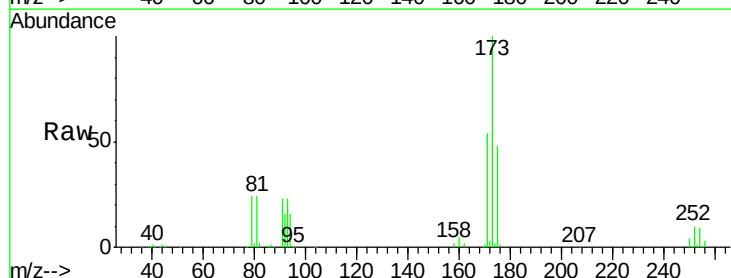
Tgt Ion: 173 Resp: 66531

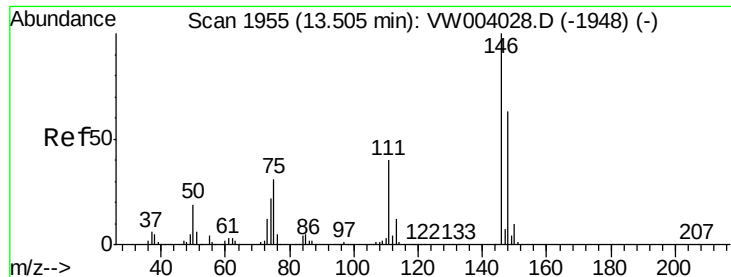
Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.0

254 9.3 7.4 11.2

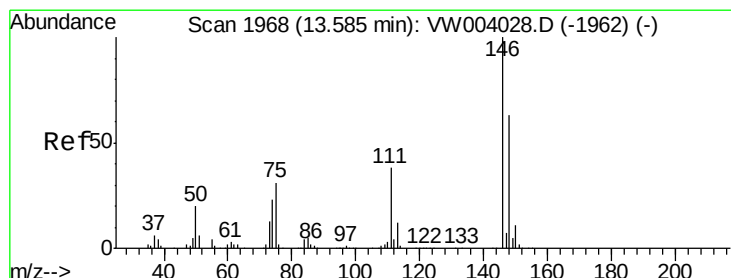
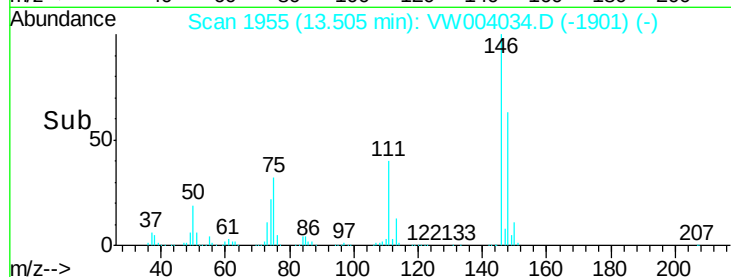
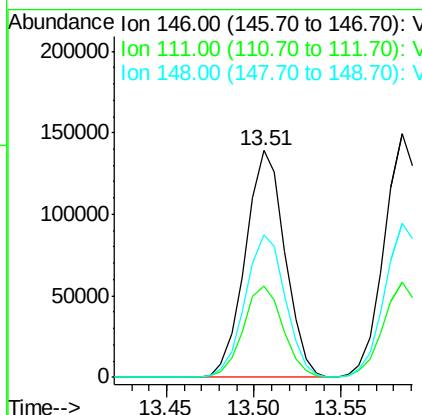
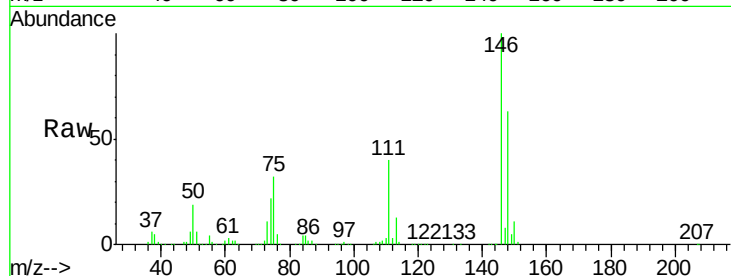




#63
 1,3-Dichlorobenzene
 Concen: 24.907 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

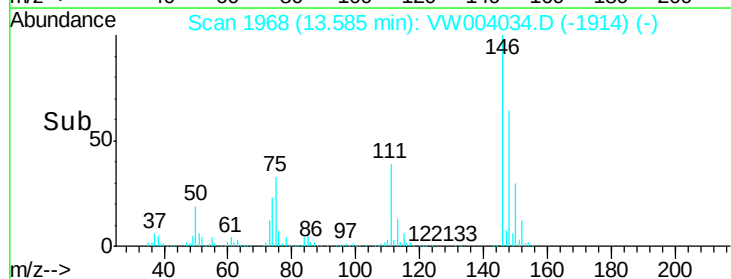
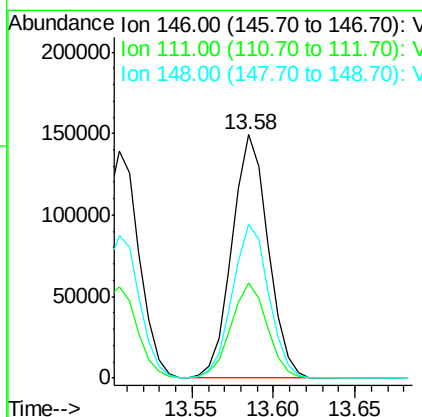
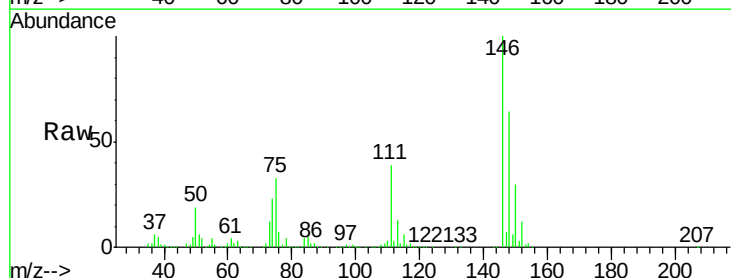
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

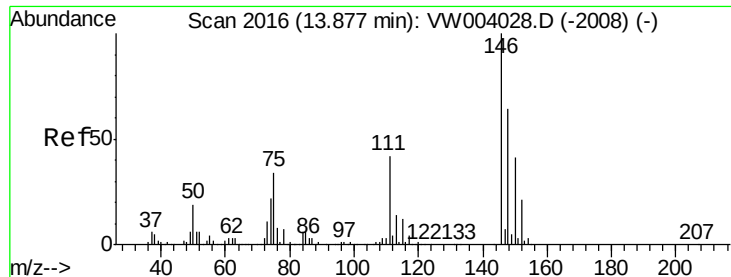
Tgt Ion:146 Resp: 219634
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.9 51.7
 148 62.9 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 24.404 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

Tgt Ion:146 Resp: 230742
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.8 49.8
 148 63.5 44.3 82.3

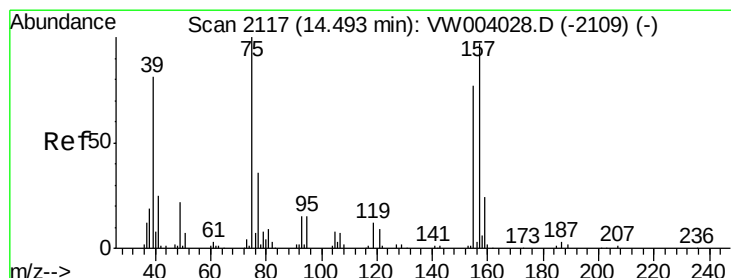
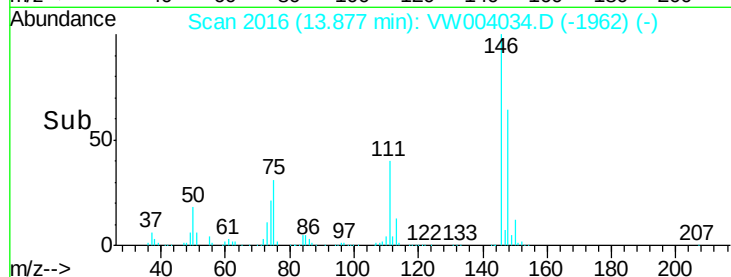
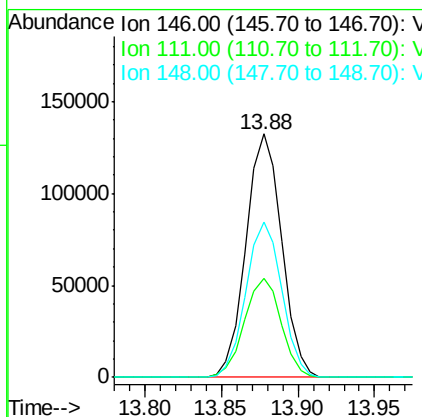
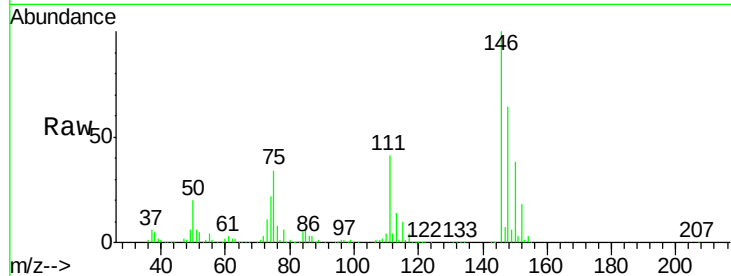




#65
 1,2-Dichlorobenzene
 Concen: 25.077 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

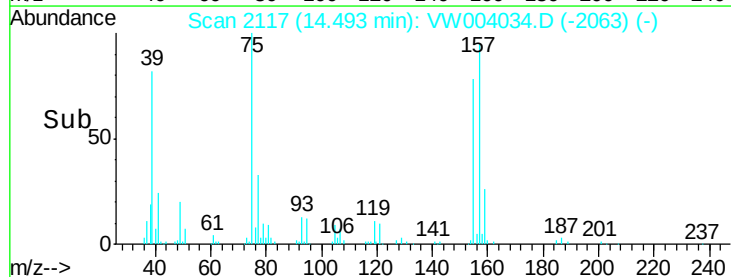
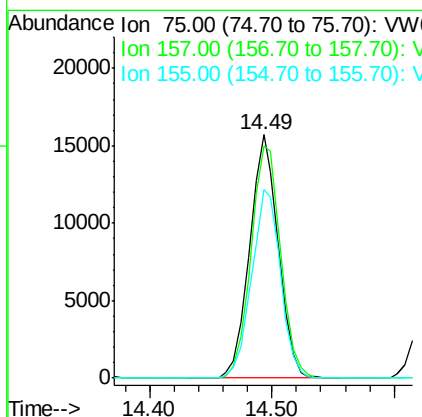
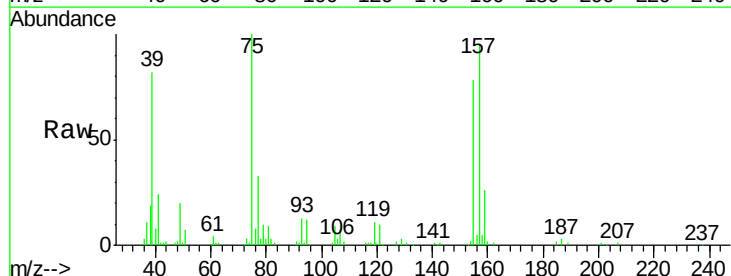
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

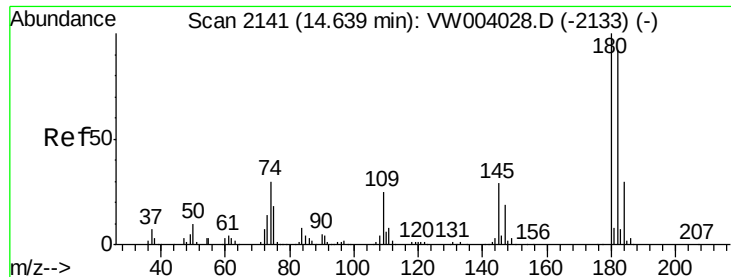
Tgt Ion: 146 Resp: 215493
 Ion Ratio Lower Upper
 146 100
 111 40.6 33.2 49.8
 148 63.7 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.398 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

Tgt Ion: 75 Resp: 25445
 Ion Ratio Lower Upper
 75 100
 157 95.2 77.9 116.9
 155 77.6 61.8 92.8

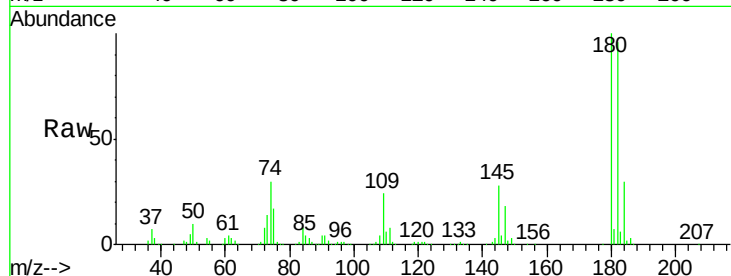




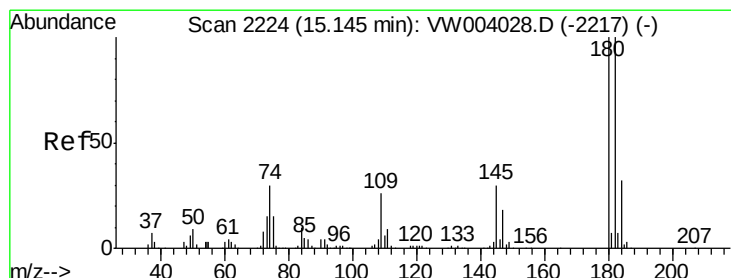
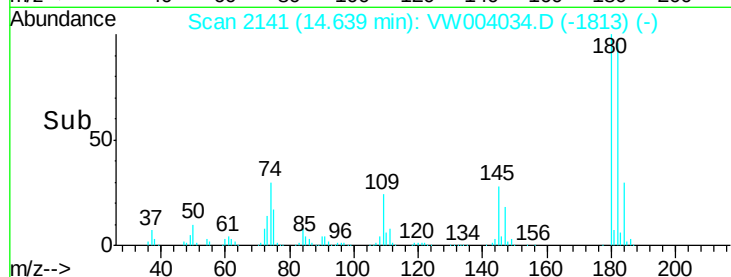
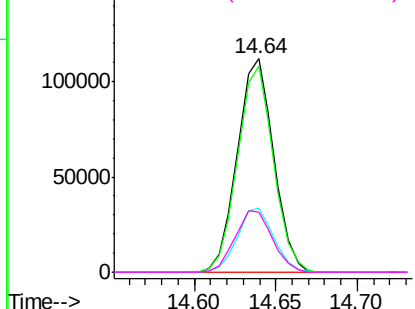
#67
 1,3,5-Trichlorobenzene
 Concen: 25.043 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

Tgt Ion:180 Resp: 174621
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.5 113.3
 184 29.9 24.0 36.0
 145 29.5 23.3 34.9

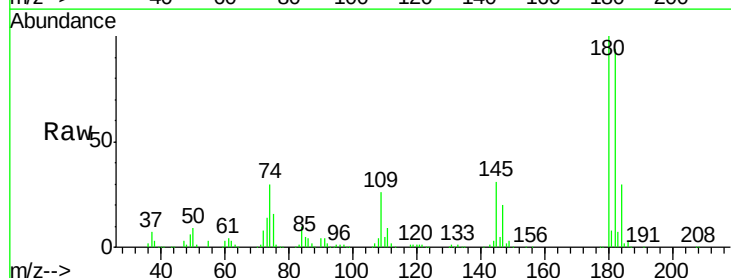


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

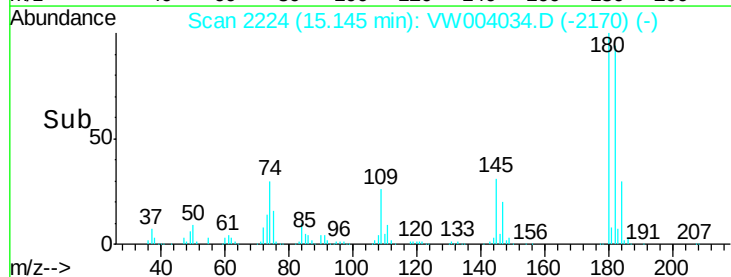
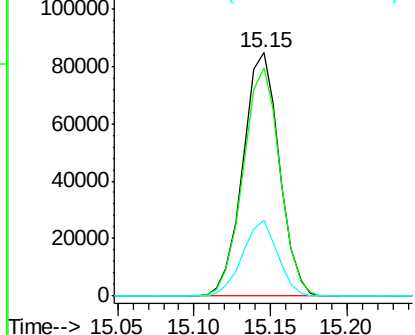


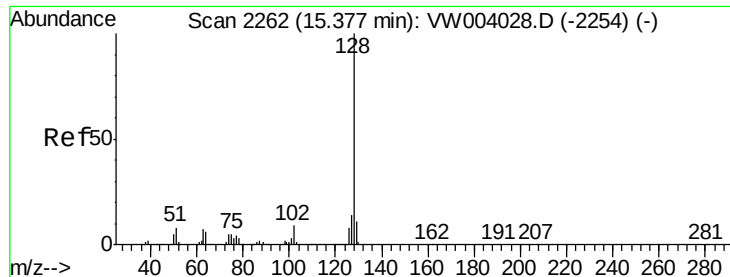
#68
 1,2,4-trichlorobenzene
 Concen: 25.109 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004034.D
 Acq: 18 Jul 2018 20:52

Tgt Ion:180 Resp: 140406
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.8 116.6
 145 30.1 24.4 36.6



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: 27.320 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

Instrument :

MSVOA_W

ClientSampled :

VICV88

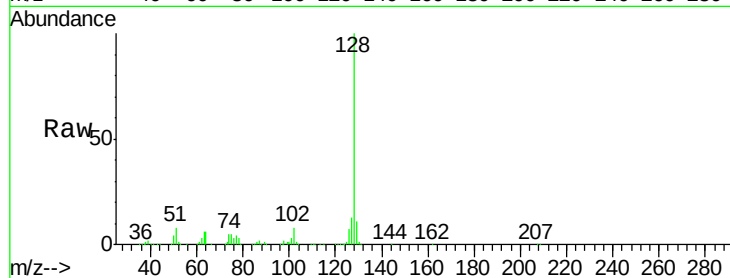
Tgt Ion:128 Resp: 343962

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

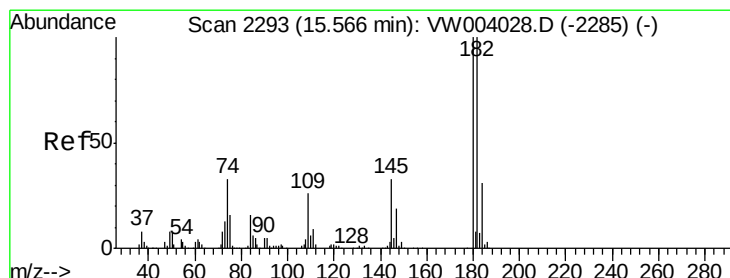
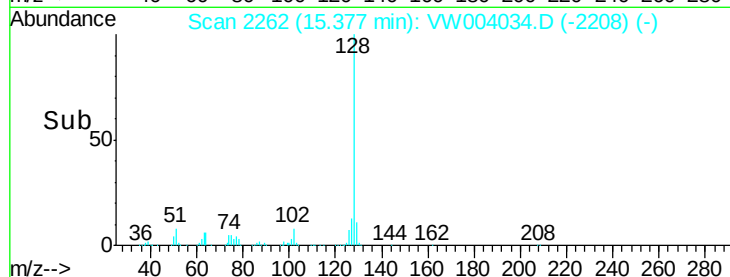
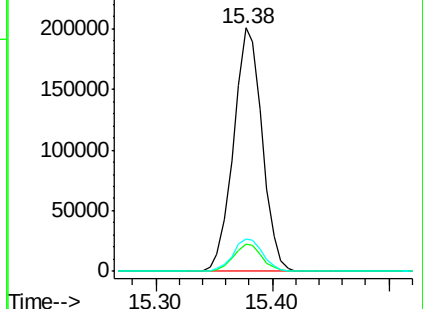
127 13.6 10.9 16.3



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: 25.632 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004034.D

Acq: 18 Jul 2018 20:52

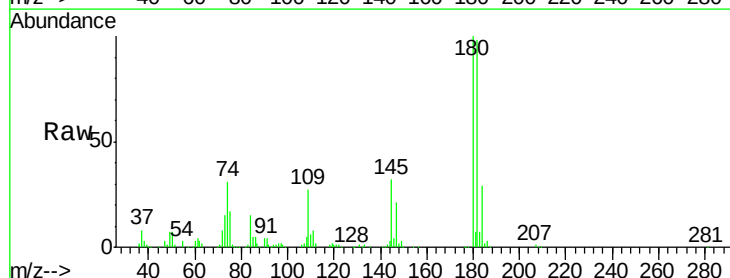
Tgt Ion:180 Resp: 136372

Ion Ratio Lower Upper

180 100

182 95.8 76.6 115.0

145 31.9 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

