

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\
 Data File : VW004086.D
 Acq On : 20 Jul 2018 21:02
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 21 04:57:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 04:54:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	302660	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	282912	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	145234	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	59880	20.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.00%
7) Chloroethane-d5	2.89	69	46586	21.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.36%
10) 1,1-Dichloroethene-d2	4.01	63	162165	22.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.32%
20) 2-Butanone-d5	7.08	46	97462	55.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.04%
24) Chloroform-d	7.65	84	178347	24.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.32%
26) 1,2-Dichloroethane-d4	8.31	65	105604	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.64%
29) Benzene-d6	8.28	84	312415	23.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.24%
33) 1,2-Dichloropropane-d6	9.28	67	107544	24.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.28%
37) Toluene-d8	10.33	98	280671	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.20%
38) trans-1,3-Dichloropropene-	10.58	79	46517	24.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.76%
39) 2-Hexanone-d5	10.93	63	72138	61.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.46%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	129891	27.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	112972	24.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	28016	14.457	ug/L	# 85
3) Chloromethane	2.21	50	72195	23.304	ug/L	97
5) Vinyl chloride	2.36	62	107386	23.020	ug/L	99
6) Bromomethane	2.78	94	57010	23.021	ug/L	99
8) Chloroethane	2.92	64	57338	23.446	ug/L	97
9) Trichlorofluoromethane	3.26	101	56849	24.460	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	107171	25.931	ug/L	98
12) 1,1-Dichloroethene	4.03	96	102185	25.364	ug/L	97
13) Acetone	4.12	43	85545	44.821	ug/L	99
14) Carbon disulfide	4.37	76	324386	24.888	ug/L	100
15) Methyl Acetate	4.67	43	86911	26.693	ug/L	98
16) Methylene chloride	4.91	84	115846	19.952	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	210963	27.075	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	109825	26.478	ug/L	95
19) 1,1-Dichloroethane	6.21	63	213730	27.085	ug/L	99
21) 2-Butanone	7.17	43	119930	50.644	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	119796	27.021	ug/L	96

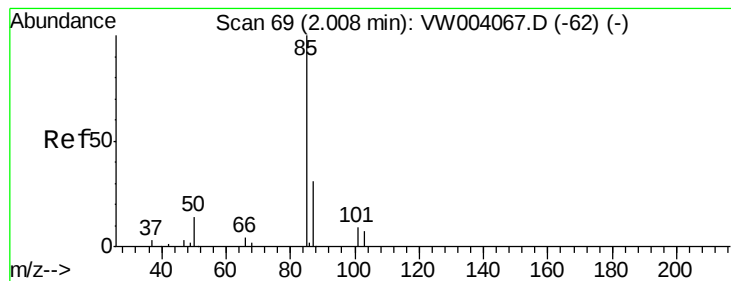
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\
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 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 04:54:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	55437	26.594	ug/L	97
25) Chloroform	7.68	83	215855	26.787	ug/L	100
27) 1,2-Dichloroethane	8.40	62	159678	26.886	ug/L	99
30) Cyclohexane	7.96	56	189650	27.486	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	173386	26.947	ug/L	99
32) Carbon tetrachloride	8.07	117	165852	26.717	ug/L	100
34) Benzene	8.32	78	475409	27.414	ug/L	100
35) Trichloroethene	9.09	95	123744	26.669	ug/L	99
36) Methylcyclohexane	9.34	83	212627	27.726	ug/L	99
40) 1,2-Dichloropropane	9.37	63	127329	27.084	ug/L	99
41) Bromodichloromethane	9.65	83	156518	27.041	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	180837	27.299	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	237762	57.530	ug/L	99
44) Toluene	10.39	91	509415	28.033	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	166228	27.206	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	97726	26.747	ug/L	98
47) Tetrachloroethene	10.87	164	100452	26.843	ug/L	98
49) 2-Hexanone	10.98	43	178496	55.787	ug/L	99
50) Dibromochloromethane	11.13	129	112535	27.494	ug/L	96
51) 1,2-Dibromoethane	11.24	107	95339	26.717	ug/L	96
52) Chlorobenzene	11.66	112	315435	27.073	ug/L	98
53) Ethylbenzene	11.74	91	557186	28.326	ug/L	99
54) m,p-Xylene	11.85	106	207558	28.629	ug/L	100
55) o-xylene	12.17	106	200444	28.905	ug/L	98
56) Styrene	12.19	104	354376	29.582	ug/L	97
57) Isopropylbenzene	12.47	105	555477	29.217	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	142074	27.204	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	110097	27.233	ug/L	98
62) Bromoform	12.35	173	73382	26.773	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	242600	27.121	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	256288	26.721	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	237227	27.214	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	27338	26.900	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	188430	26.639	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	152587	26.900	ug/L	100
69) Naphthalene	15.38	128	374080	29.290	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	152717	28.296	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 14.457 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

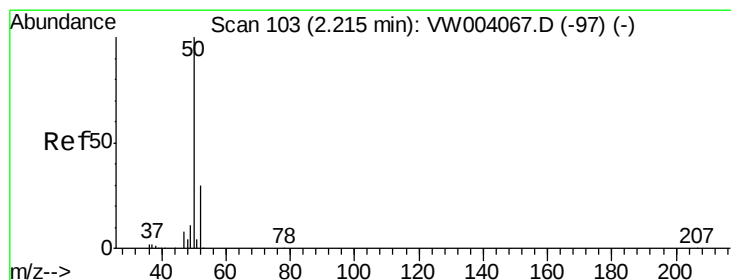
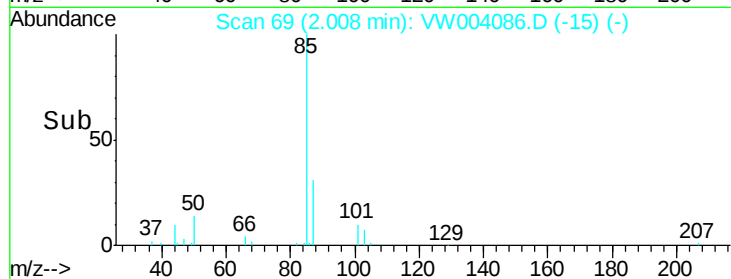
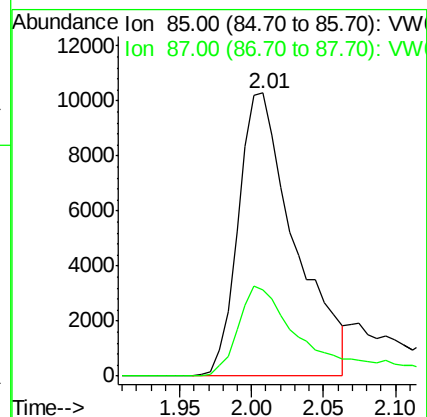
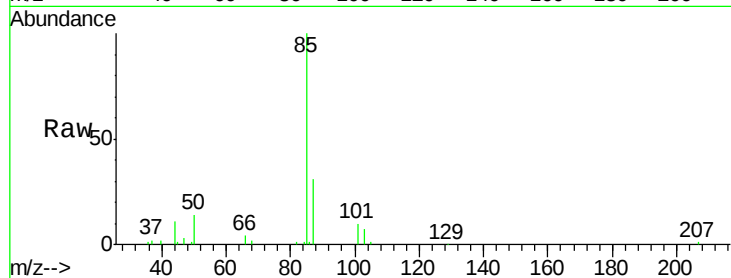
ClientSampleId :

Tot Ion: 85 Resp: 28016

Ion Ratio Lower Upper

85 100

87 34.8 0.1 0.1#



#3

Chloromethane

Concen: 23.304 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW004086.D

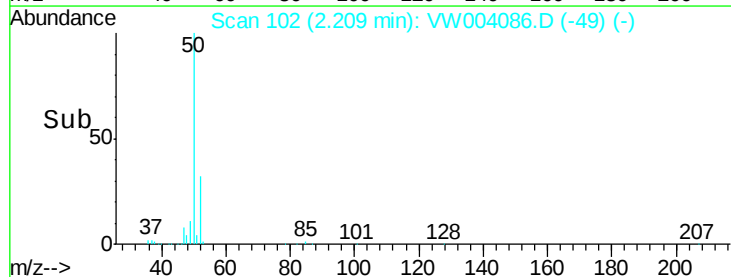
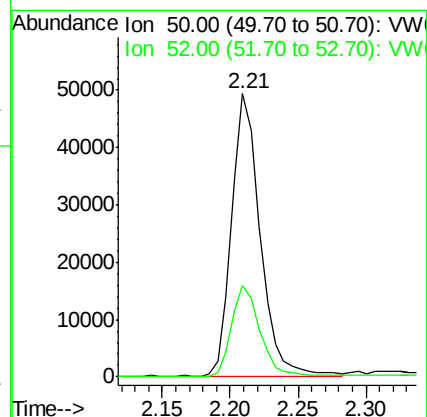
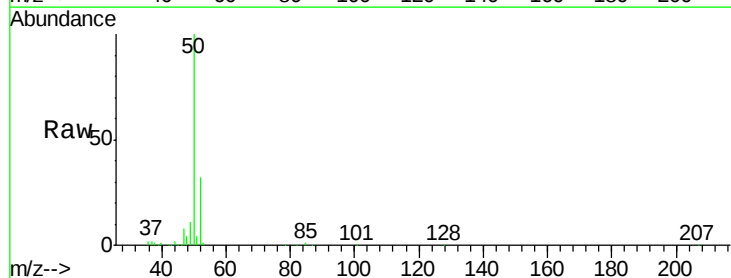
Acq: 20 Jul 2018 21:02

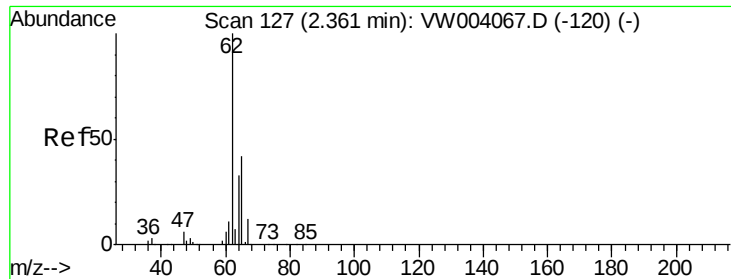
Tgt Ion: 50 Resp: 72195

Ion Ratio Lower Upper

50 100

52 32.1 21.3 39.6





#5

Vinyl chloride

Concen: 23.020 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

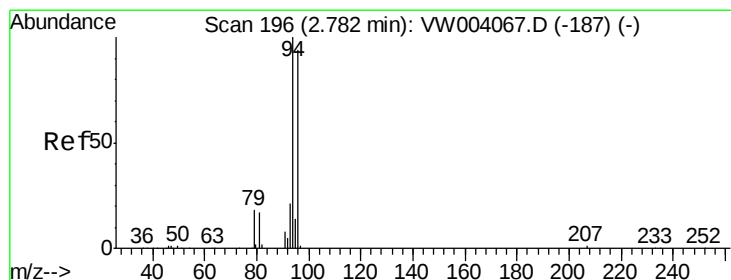
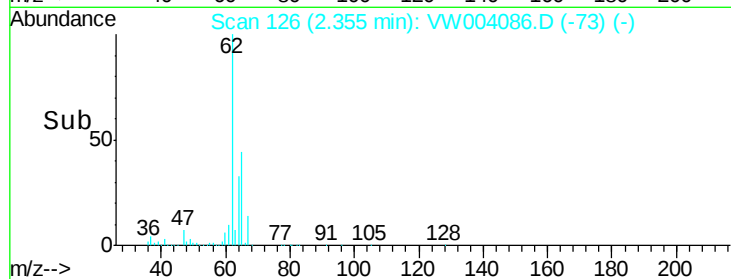
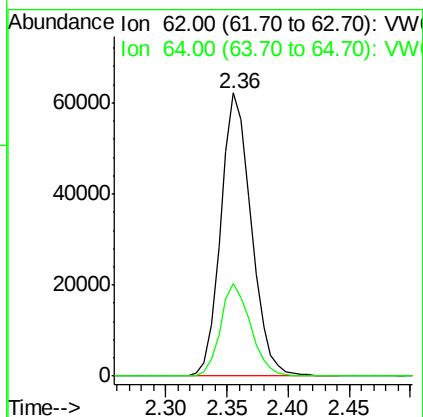
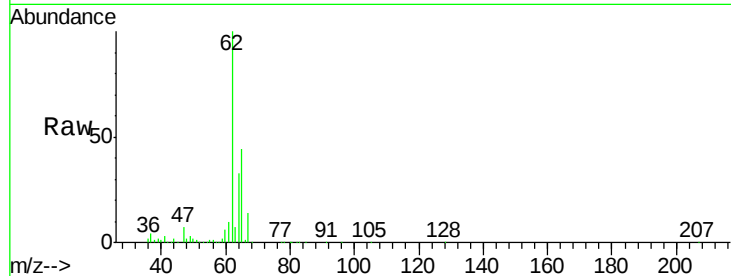
ClientSampleId :

Tot Ion: 62 Resp: 107386

Ion Ratio Lower Upper

62 100

64 32.5 23.1 42.9



#6

Bromomethane

Concen: 23.021 ug/L

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004086.D

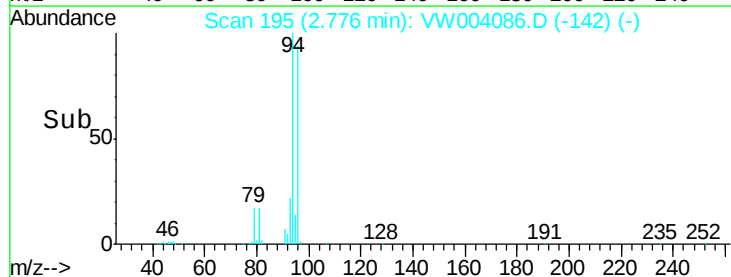
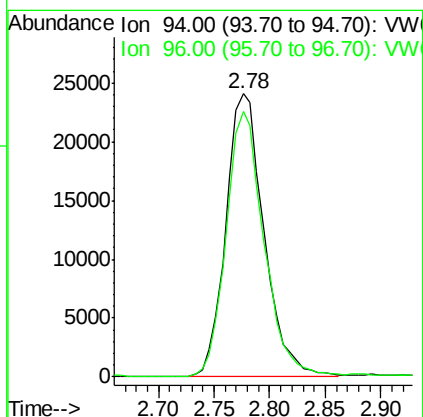
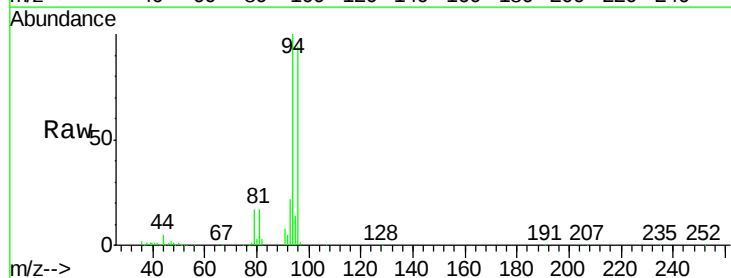
Acq: 20 Jul 2018 21:02

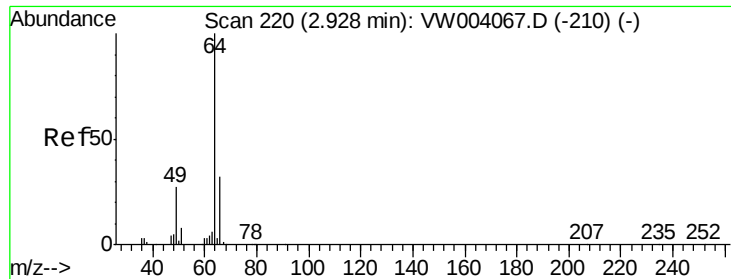
Tgt Ion: 94 Resp: 57010

Ion Ratio Lower Upper

94 100

96 93.8 9.5 179.9

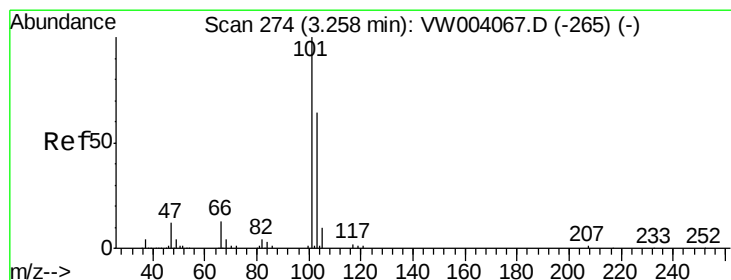
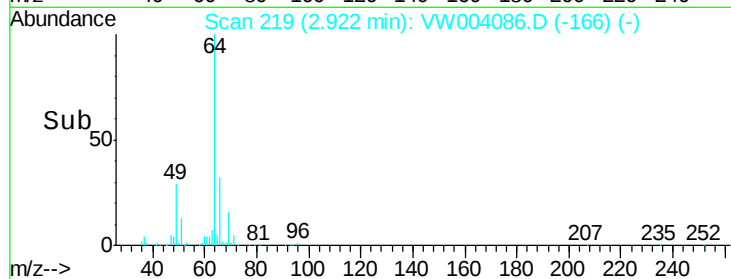
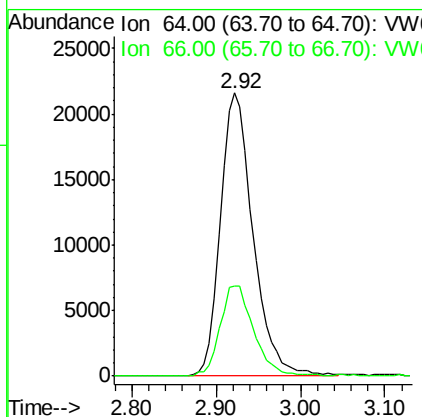
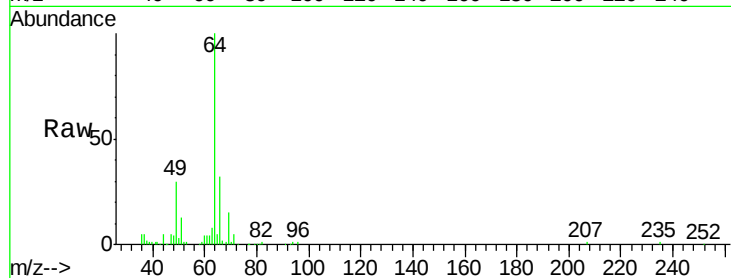




#8
Chloroethane
Concen: 23.446 ug/L
RT: 2.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

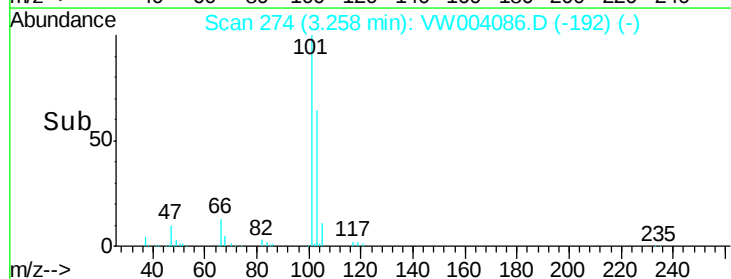
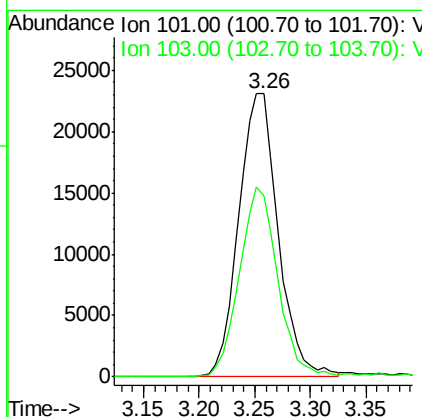
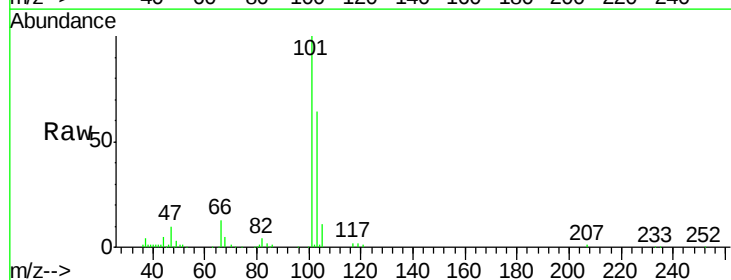
Instrument :
MSVOA_W
ClientSampleId :

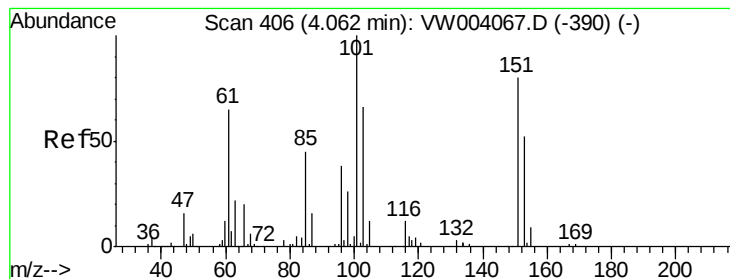
Tot Ion: 64 Resp: 57338
Ion Ratio Lower Upper
64 100
66 32.0 21.2 39.4



#9
Trichlorofluoromethane
Concen: 24.460 ug/L
RT: 3.26 min Scan# 274
Delta R.T. 0.00 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

Tgt Ion: 101 Resp: 56849
Ion Ratio Lower Upper
101 100
103 64.5 45.6 84.8





#11

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

Concen: 25.931 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

ClientSampled :

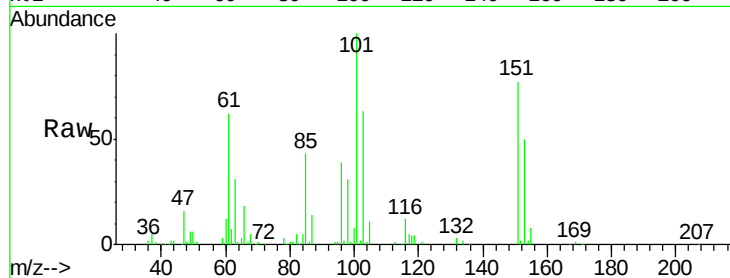
Tot Ion:101 Resp: 107171

Ion Ratio Lower Upper

101 100

85 44.9 36.2 54.4

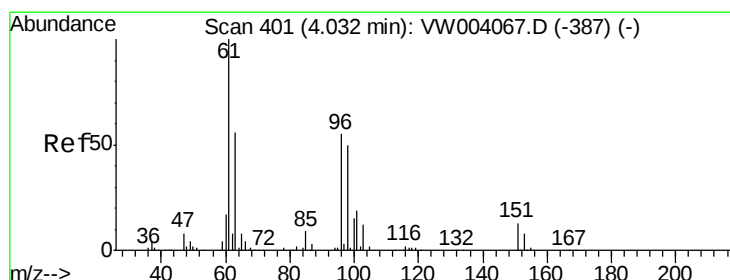
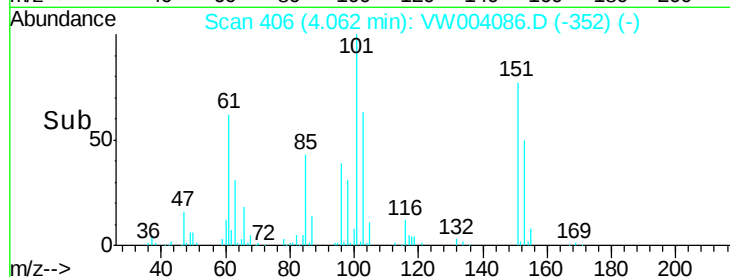
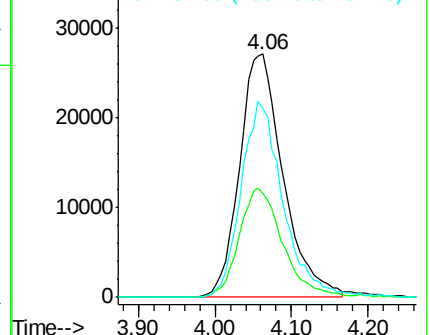
151 77.4 59.5 89.3



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: 25.364 ug/L

RT: 4.03 min Scan# 400

Delta R.T. -0.01 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

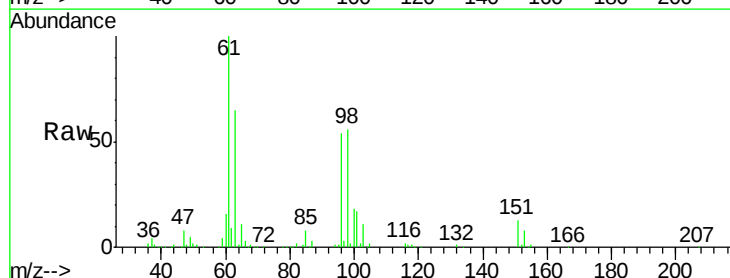
Tgt Ion: 96 Resp: 102185

Ion Ratio Lower Upper

96 100

61 184.1 127.3 236.5

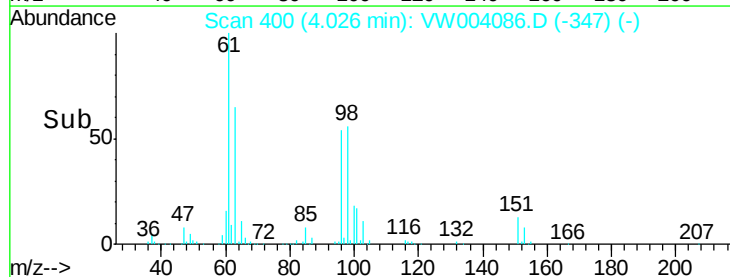
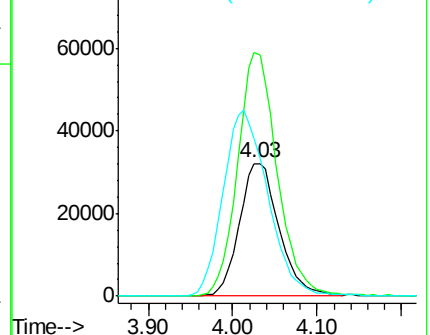
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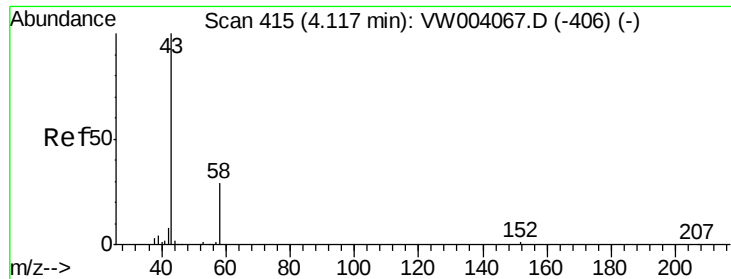


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.821 ug/L

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

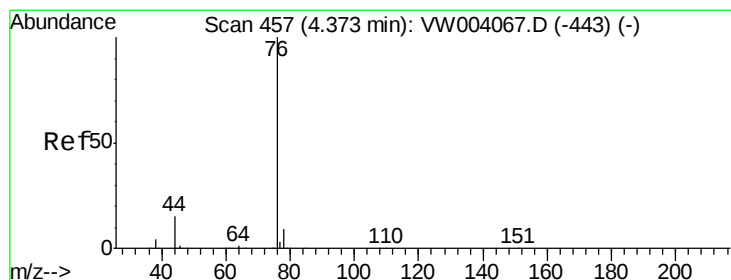
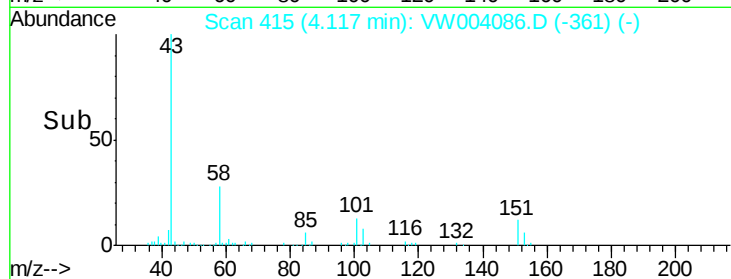
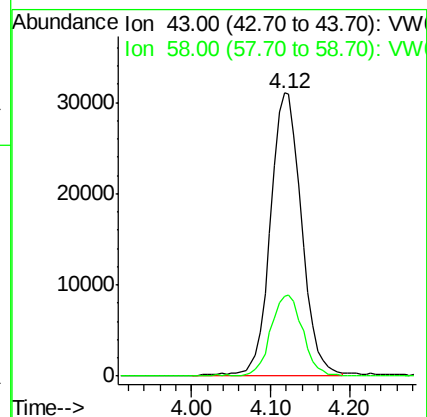
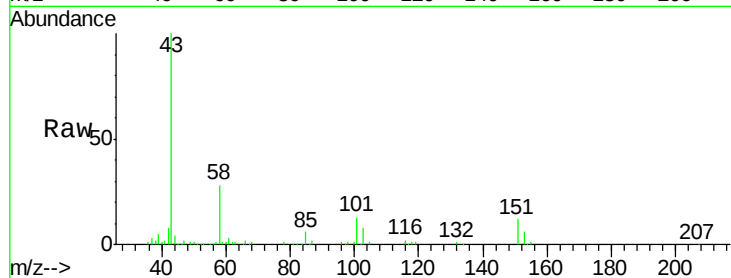
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 85545

Ion Ratio Lower Upper

43 100

58 29.2 0.0 59.4



#14

Carbon disulfide

Concen: 24.888 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW004086.D

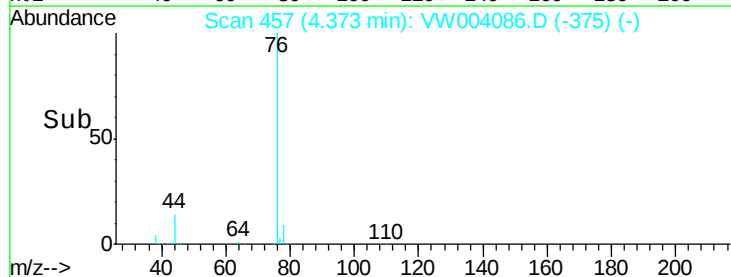
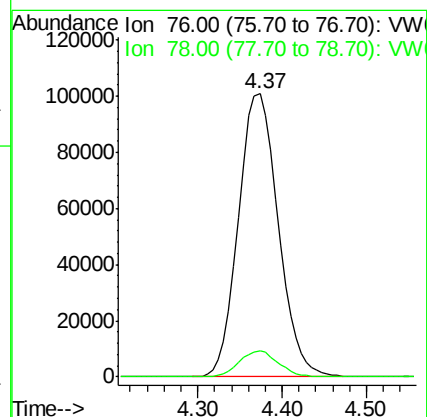
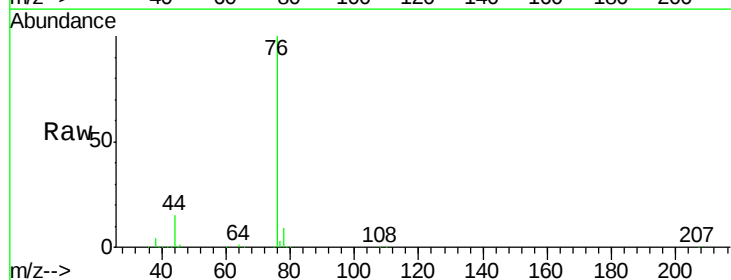
Acq: 20 Jul 2018 21:02

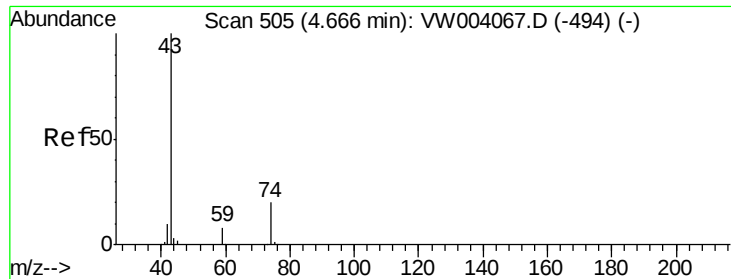
Tgt Ion: 76 Resp: 324386

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

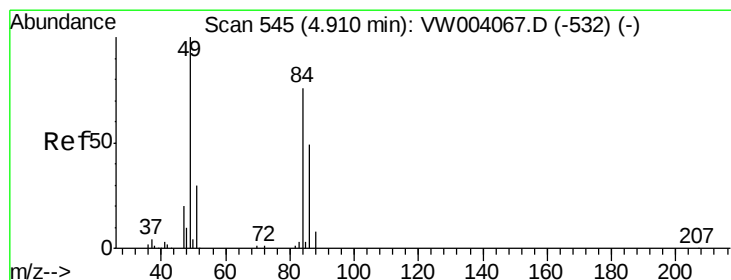
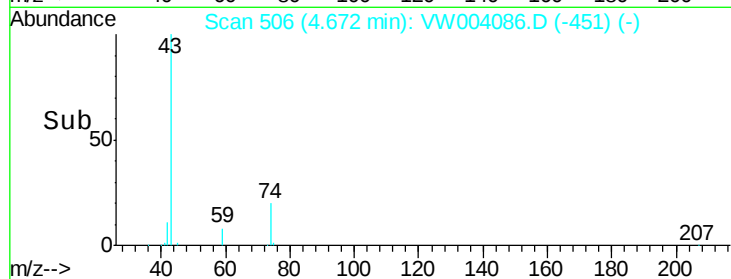
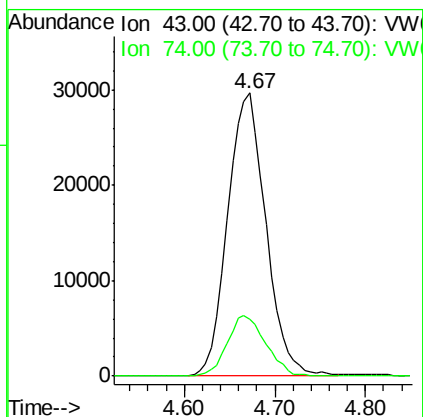
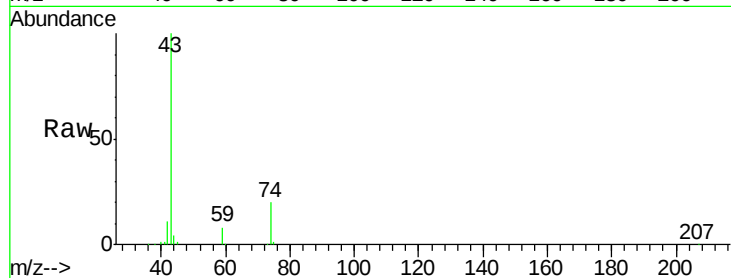




#15
Methyl Acetate
Concen: 26.693 ug/L
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

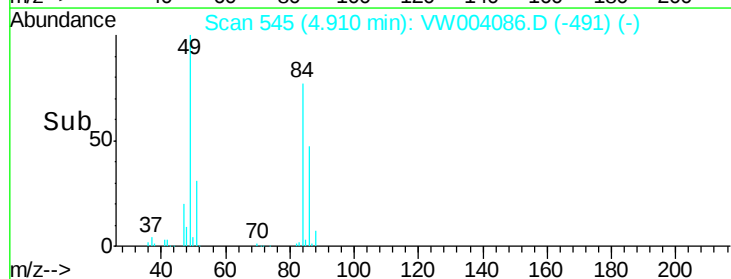
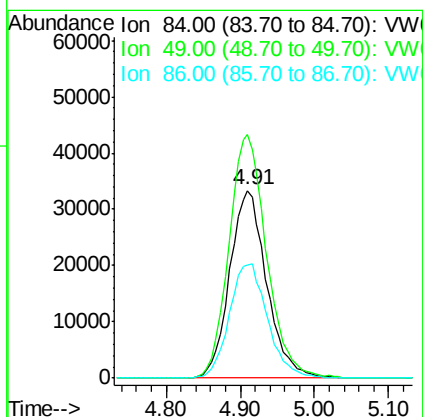
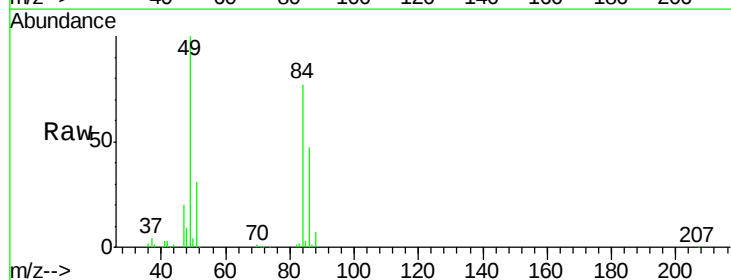
Instrument :
MSVOA_W
ClientSampleId :

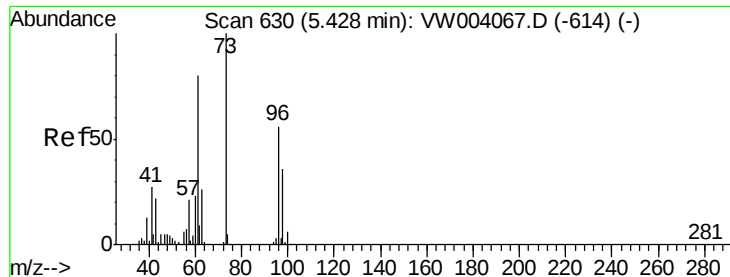
Tot Ion: 43 Resp: 86911
Ion Ratio Lower Upper
43 100
74 21.5 16.6 24.8



#16
Methylene chloride
Concen: 19.952 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

Tgt Ion: 84 Resp: 115846
Ion Ratio Lower Upper
84 100
49 129.8 94.2 175.0
86 60.5 45.1 83.9

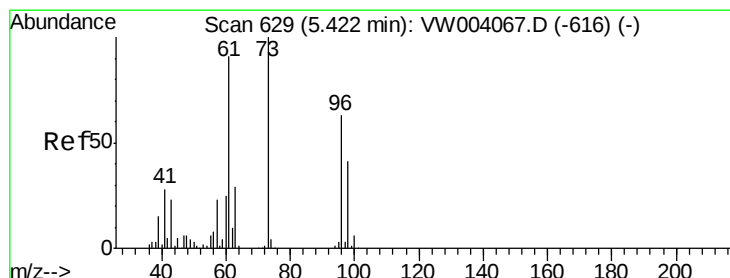
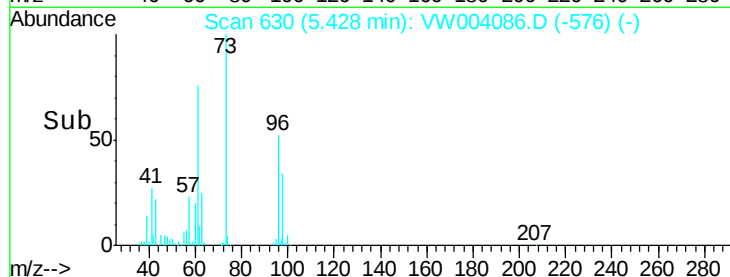
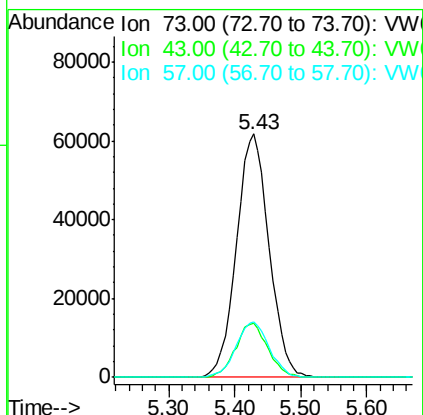
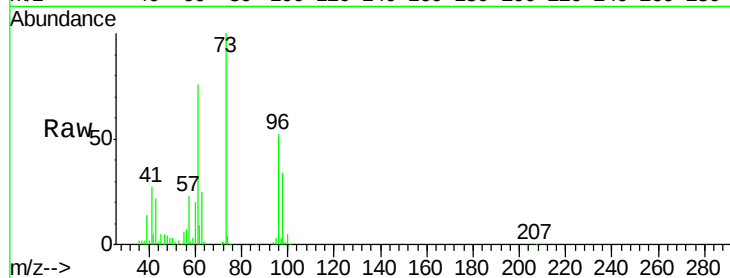




#17
Methvl tert-butvl Ether
Concen: 27.075 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

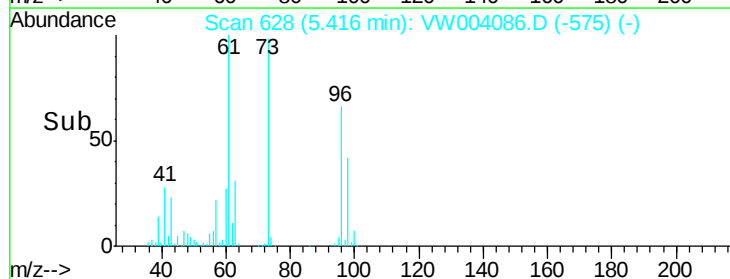
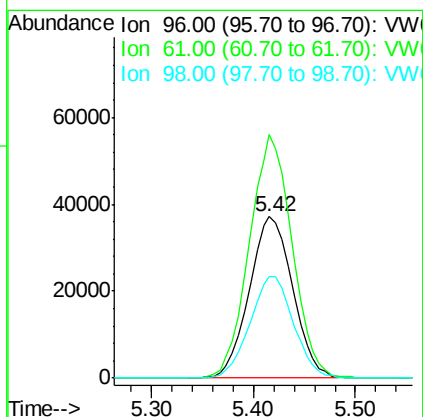
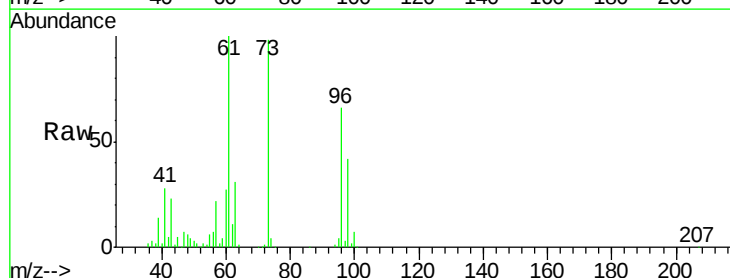
Instrument :
MSVOA_W
ClientSampled :

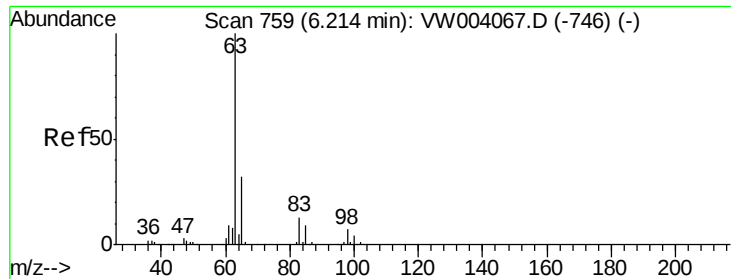
Tot Ion	Ratio	Lower	Upper
73	100		
43	22.1	18.1	27.1
57	23.2	19.0	28.4



#18
trans-1,2-Dichloroethene
Concen: 26.478 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	99.8	185.4
98	63.2	44.9	83.3

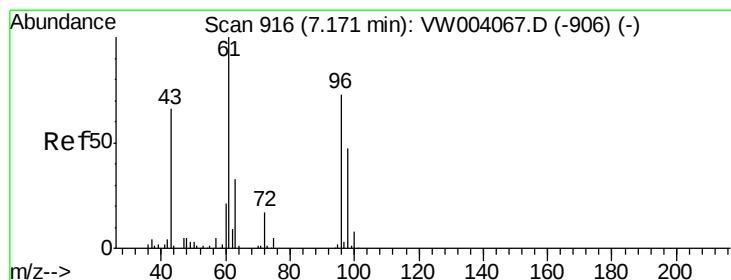
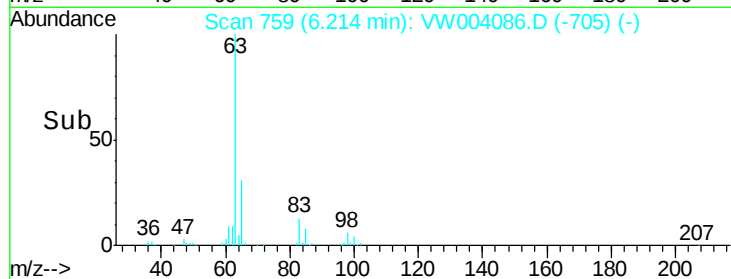
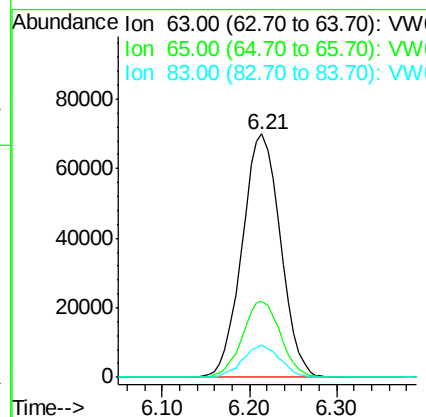
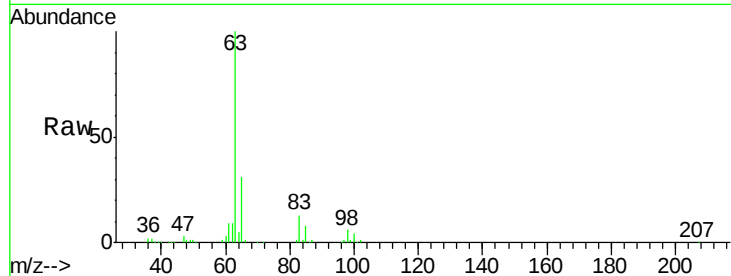




#19
 1,1-Dichloroethane
 Concen: 27.085 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

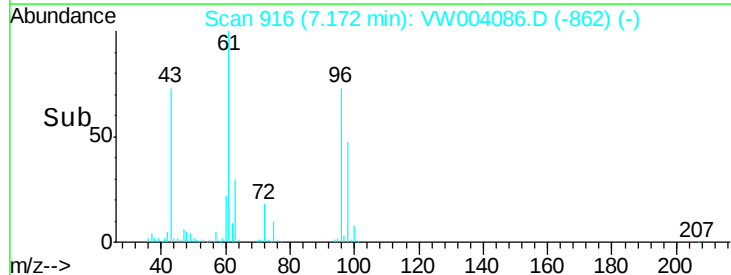
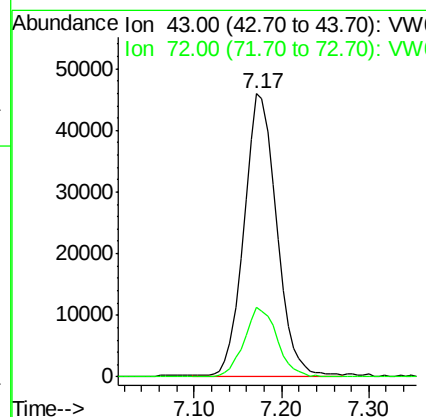
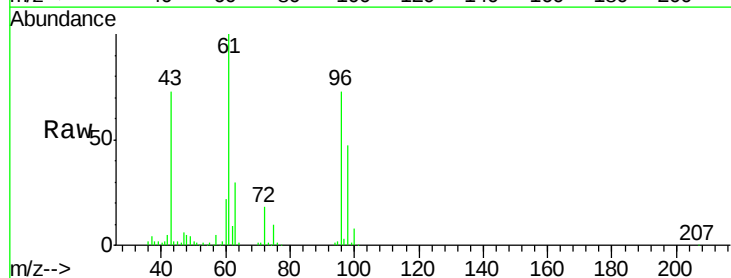
Instrument :
 MSVOA_W
 ClientSampled :

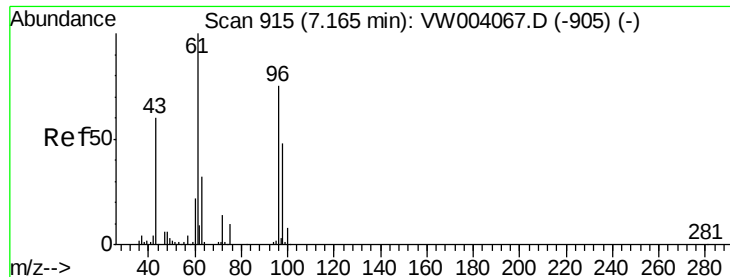
Tot Ion: 63 Resp: 213730
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.4 41.6
 83 13.1 9.2 17.2



#21
 2-Butanone
 Concen: 50.644 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

Tgt Ion: 43 Resp: 119930
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.1 36.3



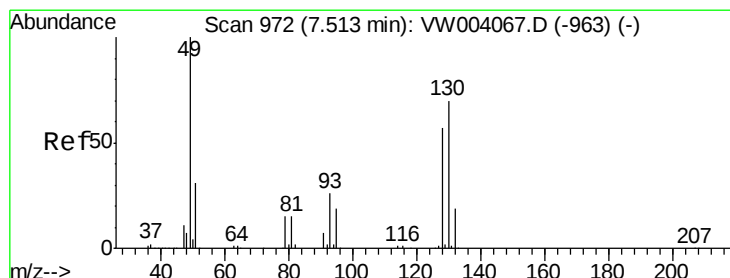
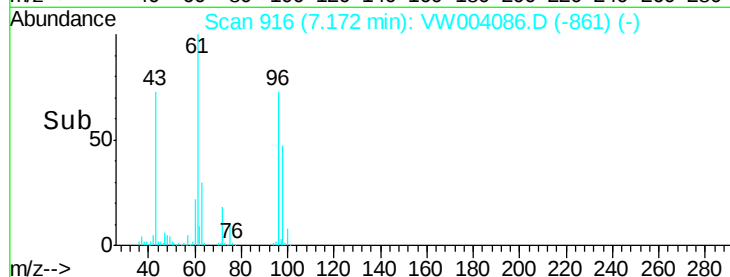
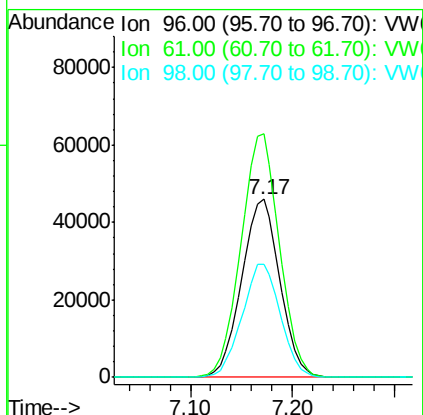
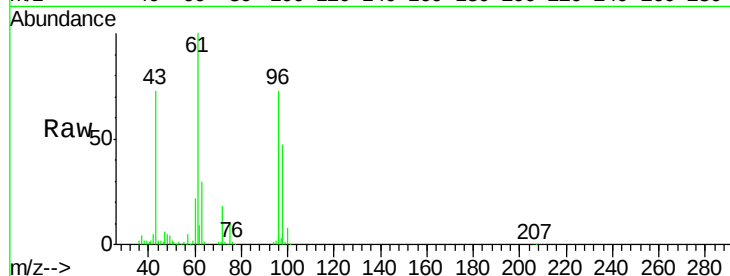


#22

cis-1,2-Dichloroethene
Concen: 27.021 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

Instrument :
MSVOA_W
ClientSampleId :

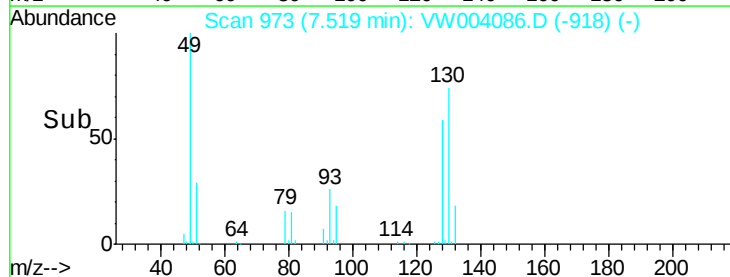
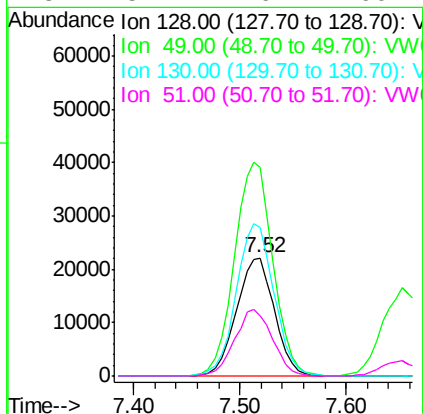
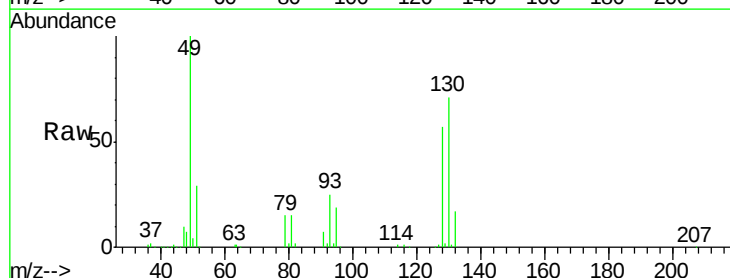
Tot Ion: 96 Resp: 119796
Ion Ratio Lower Upper
96 100
61 137.0 92.5 171.9
98 63.8 43.0 80.0

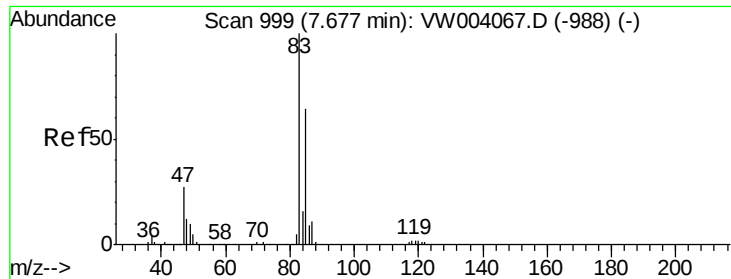


#23

Bromochloromethane
Concen: 26.594 ug/L
RT: 7.52 min Scan# 973
Delta R.T. 0.01 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

Tgt Ion: 128 Resp: 55437
Ion Ratio Lower Upper
128 100
49 176.2 126.4 234.8
130 125.5 87.8 163.0
51 51.2 46.2 69.2





#25

Chloroform

Concen: 26.787 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

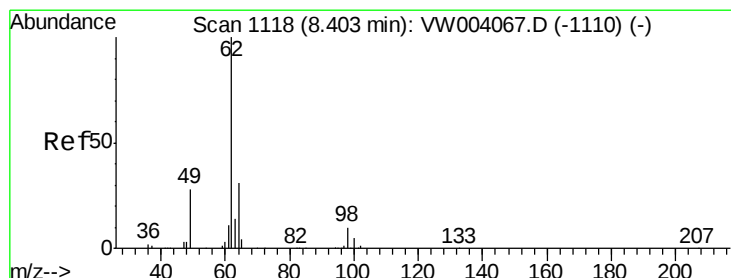
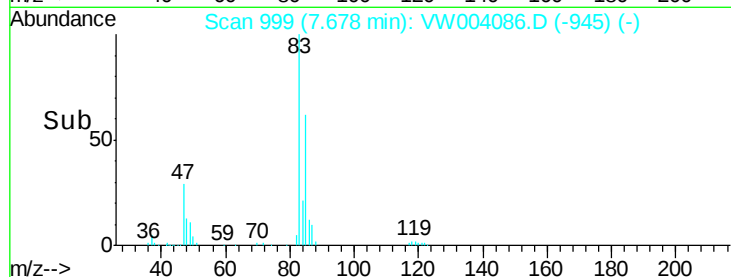
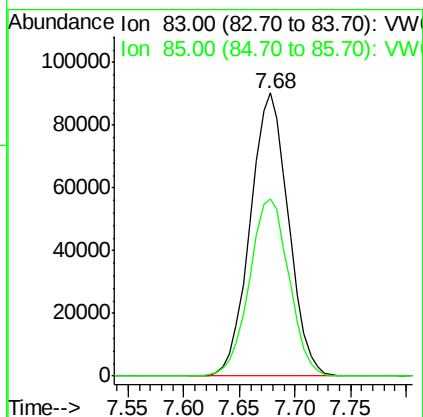
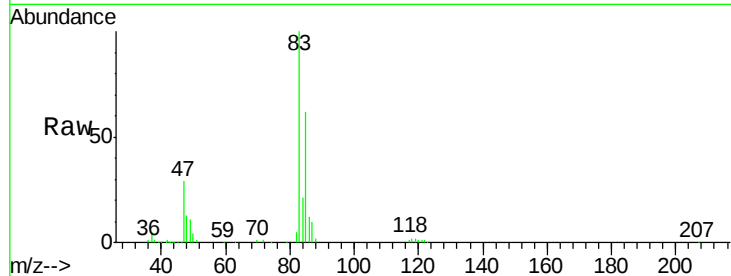
ClientSampled :

Tot Ion: 83 Resp: 215855

Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1



#27

1,2-Dichloroethane

Concen: 26.886 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004086.D

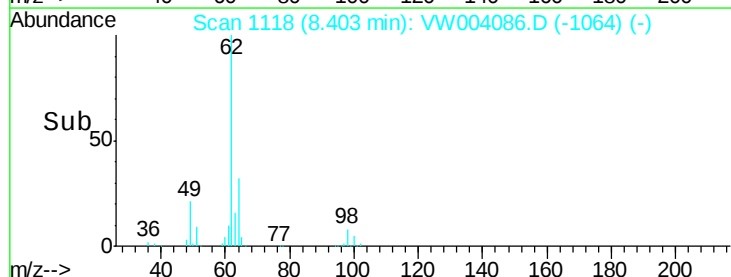
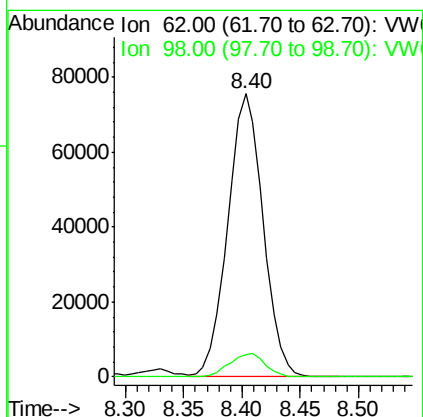
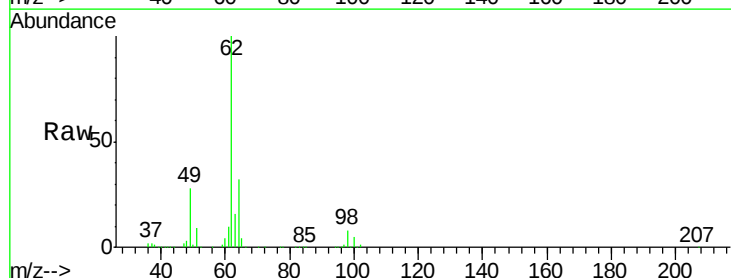
Acq: 20 Jul 2018 21:02

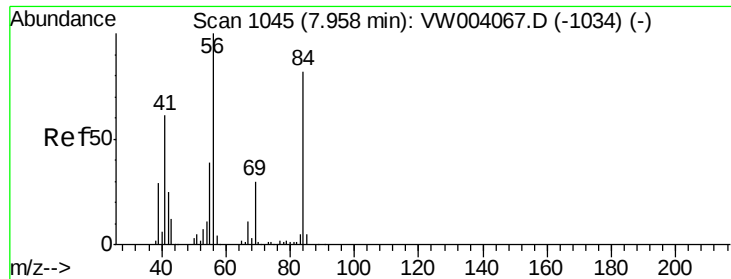
Tgt Ion: 62 Resp: 159678

Ion Ratio Lower Upper

62 100

98 8.0 6.2 9.4

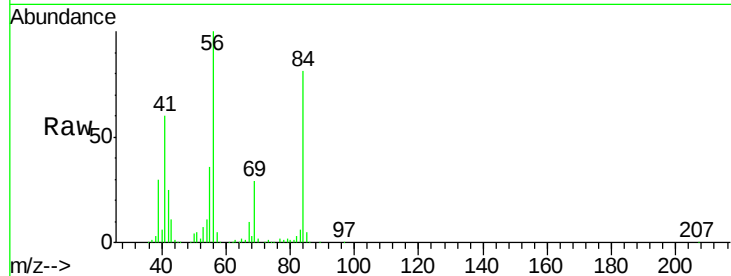




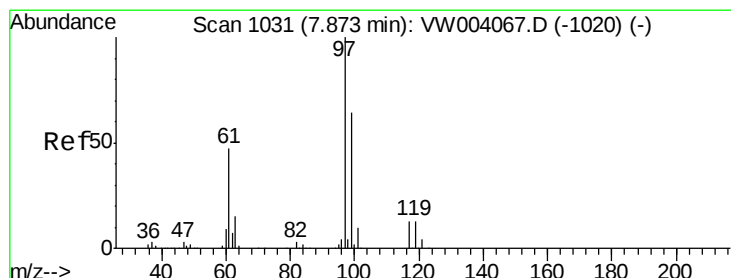
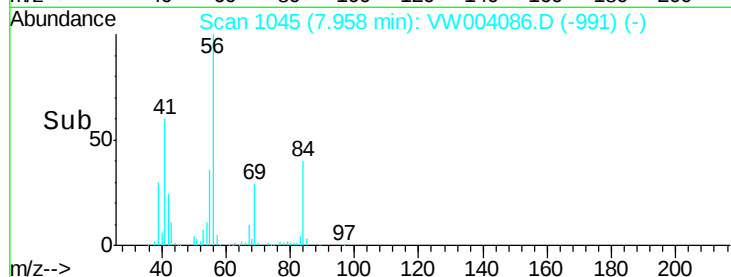
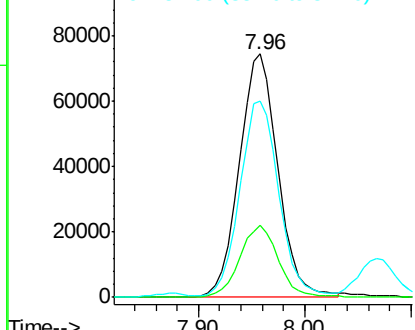
#30
Cyclohexane
Concen: 27.486 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	22.8	34.2
84	81.8	64.6	96.8

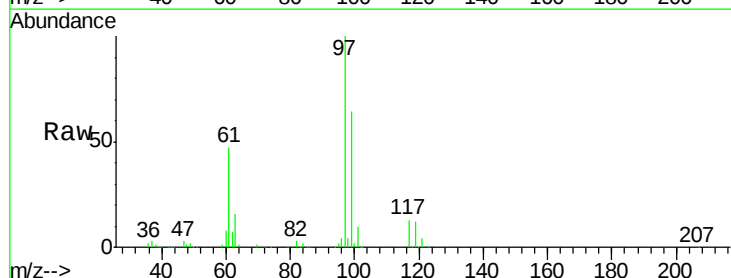


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

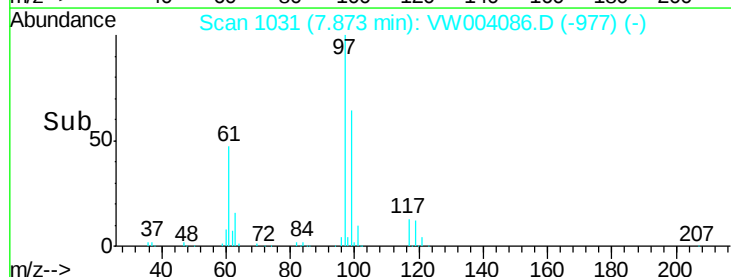
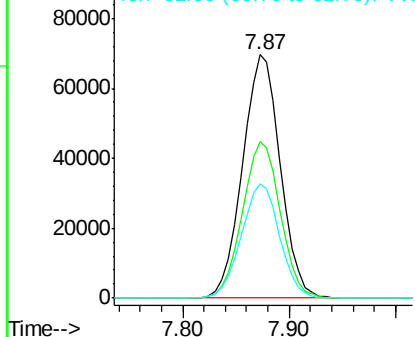


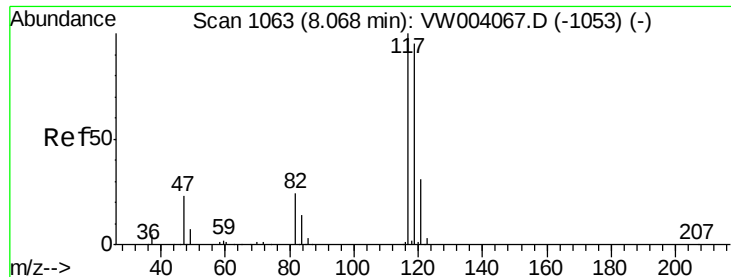
#31
1,1,1-Trichloroethane
Concen: 26.947 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	47.4	38.6	57.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 26.717 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

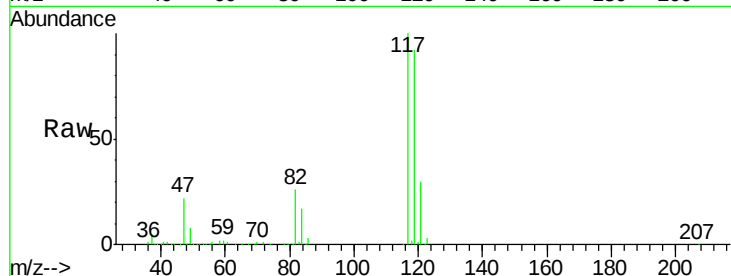
ClientSampleId :

Tot Ion:117 Resp: 165852

Ion Ratio Lower Upper

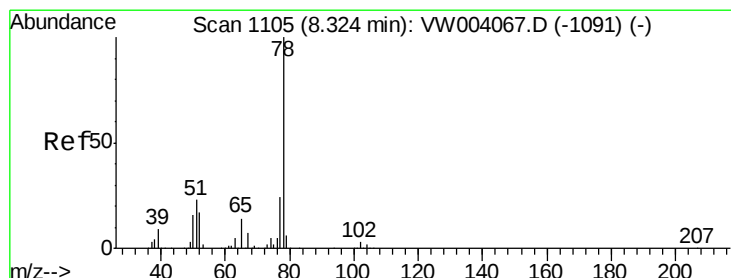
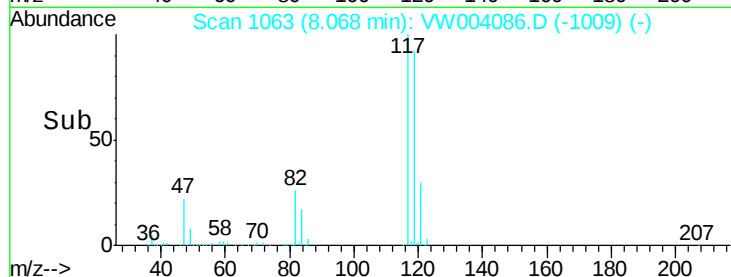
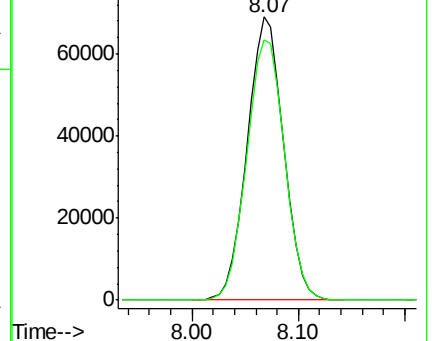
117 100

119 95.7 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: 27.414 ug/L

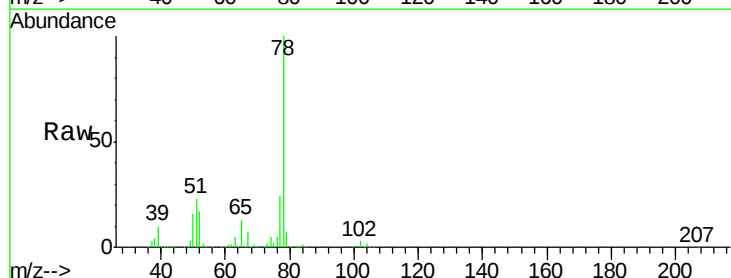
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

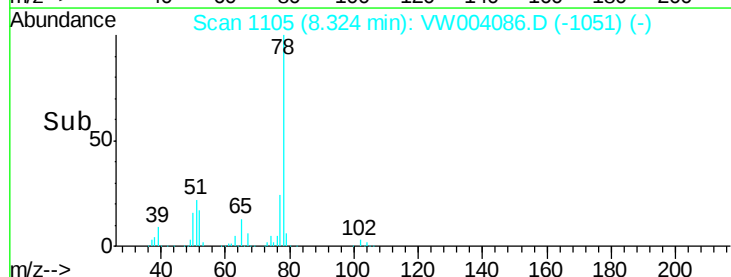
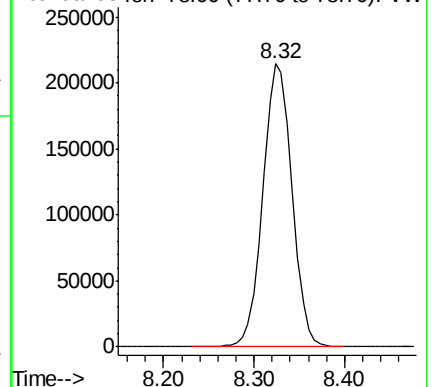
Lab File: VW004086.D

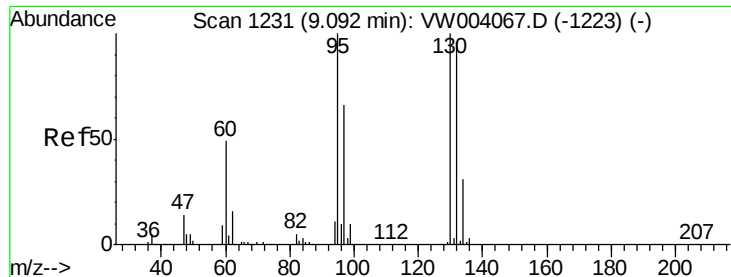
Acq: 20 Jul 2018 21:02

Tgt Ion: 78 Resp: 475409



Abundance Ion 78.00 (77.70 to 78.70): VW

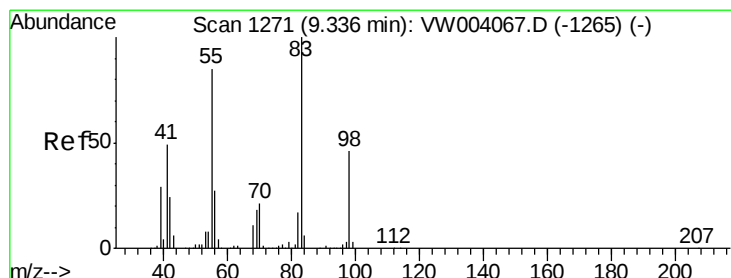
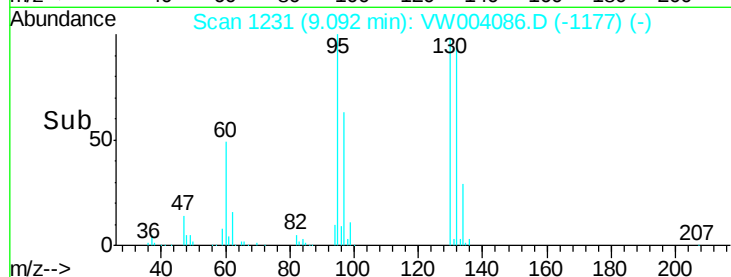
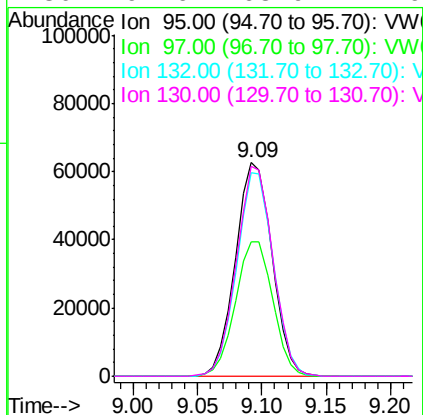
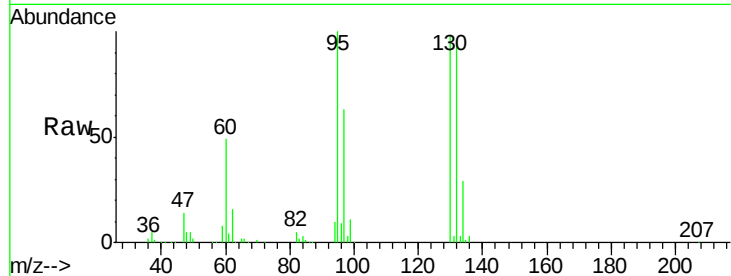




#35
 Trichloroethene
 Concen: 26.669 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

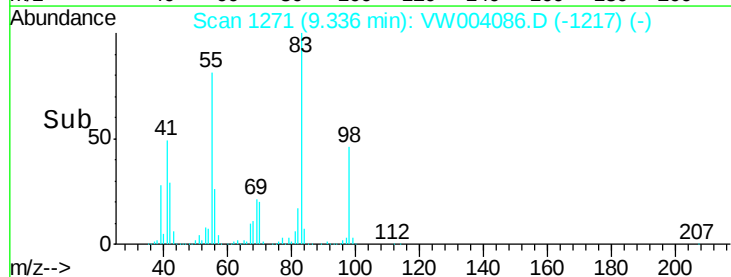
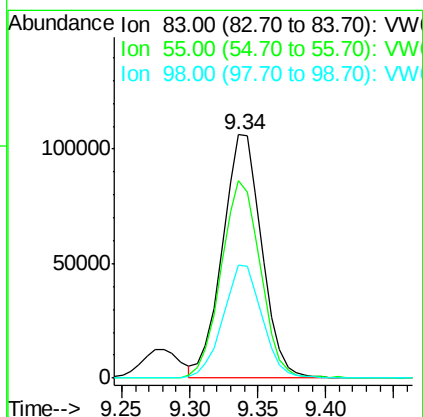
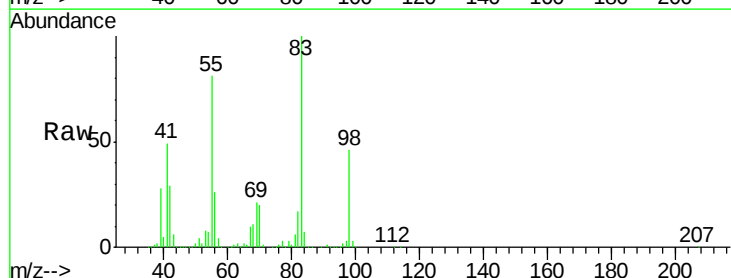
Instrument :
 MSVOA_W
 ClientSampled :

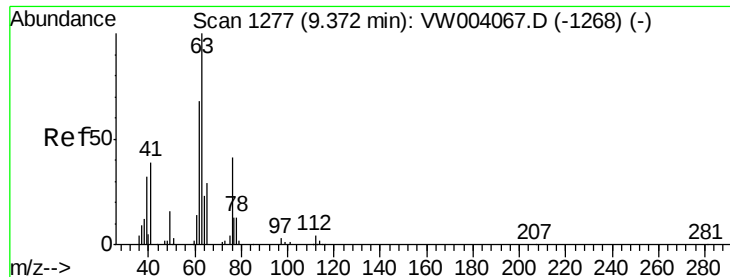
Tot Ion: 95 Resp: 123744
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.7 83.1
 132 94.9 66.1 122.7
 130 97.6 68.9 127.9



#36
 Methylcyclohexane
 Concen: 27.726 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

Tgt Ion: 83 Resp: 212627
 Ion Ratio Lower Upper
 83 100
 55 81.1 65.8 98.6
 98 46.4 37.0 55.6

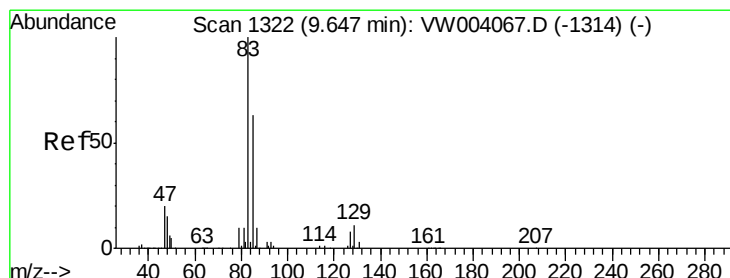
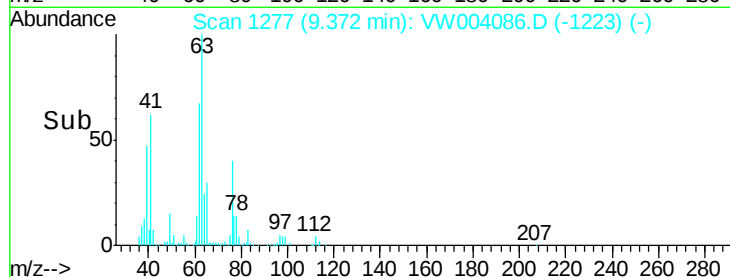
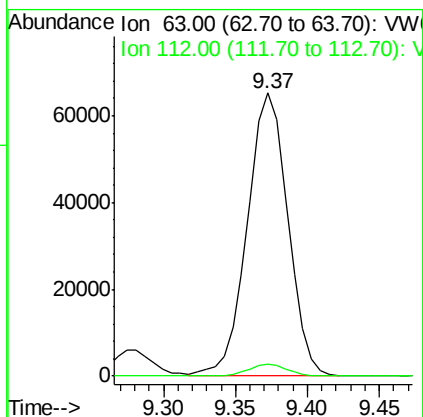
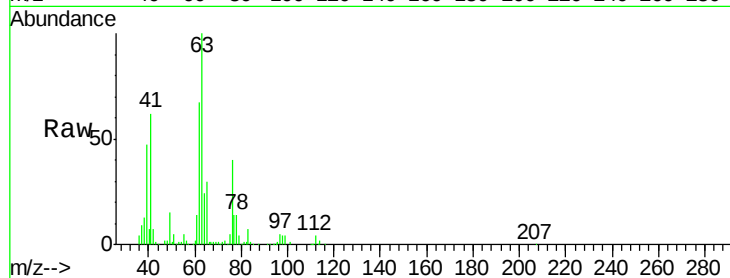




#40
 1,2-Dichloropropane
 Concen: 27.084 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

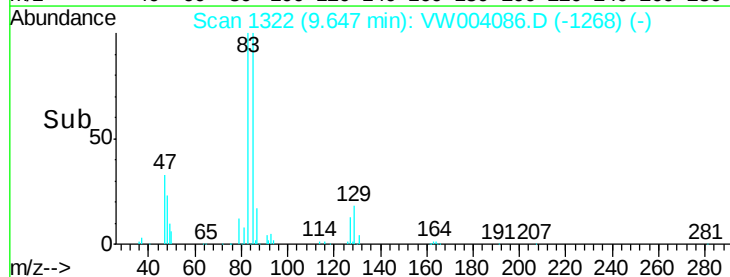
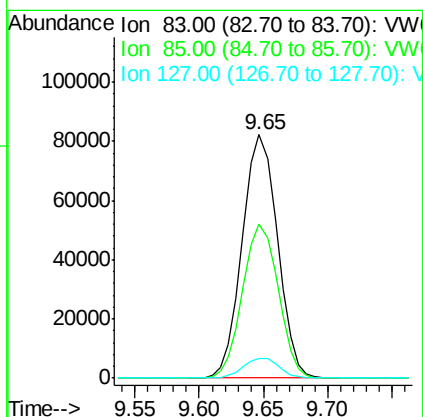
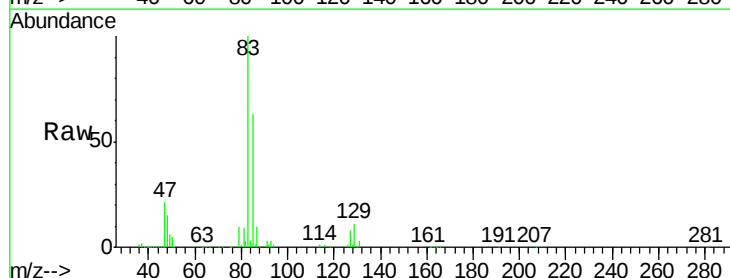
Instrument :
 MSVOA_W
 ClientSampleId :

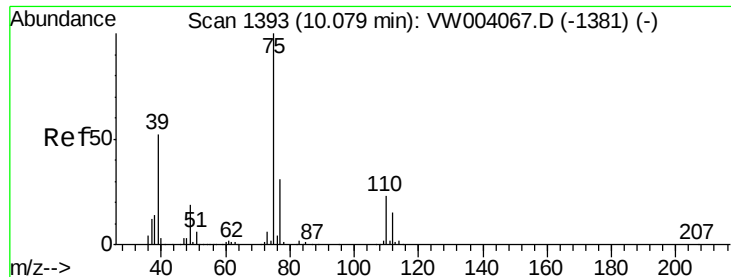
Tot Ion: 63 Resp: 127329
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.0 4.4



#41
 Bromodichloromethane
 Concen: 27.041 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

Tgt Ion: 83 Resp: 156518
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.7 82.9
 127 8.2 6.7 10.1

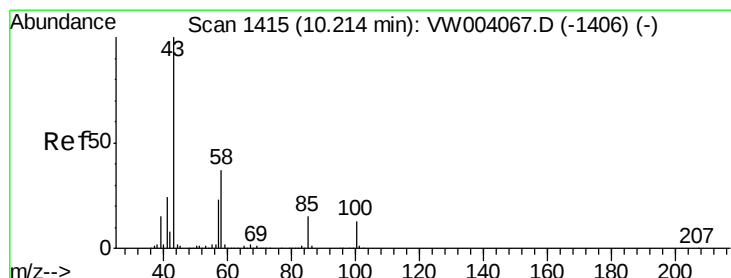
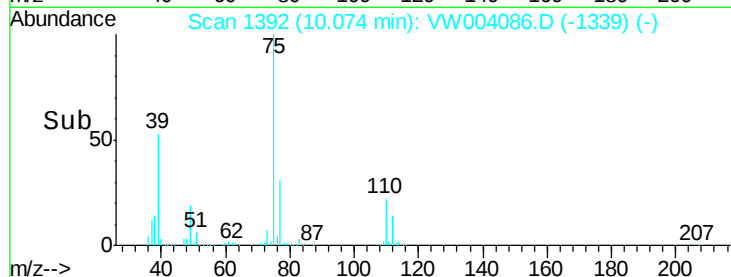
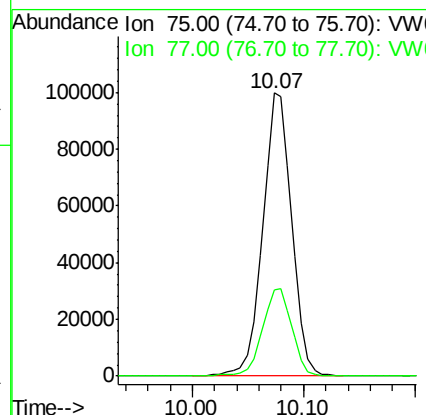
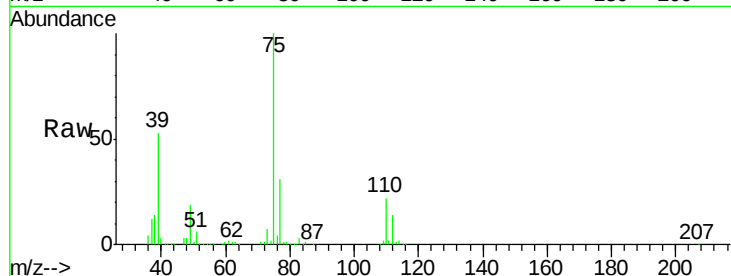




#42
 cis-1,3-Dichloropropene
 Concen: 27.299 ug/L
 RT: 10.07 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

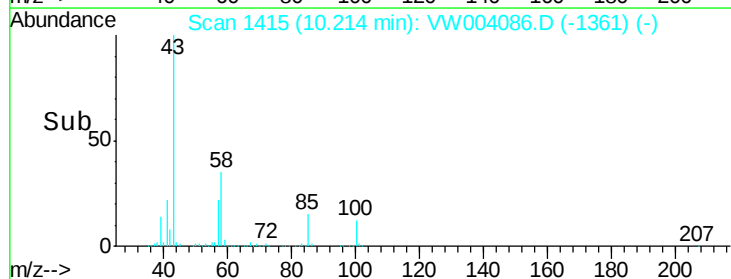
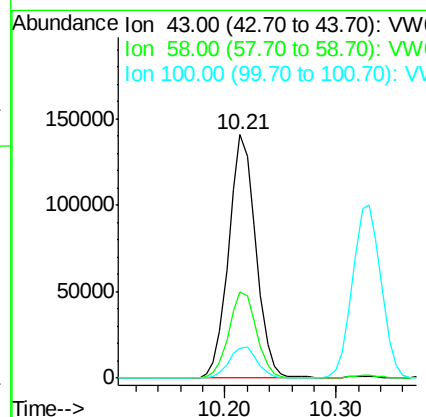
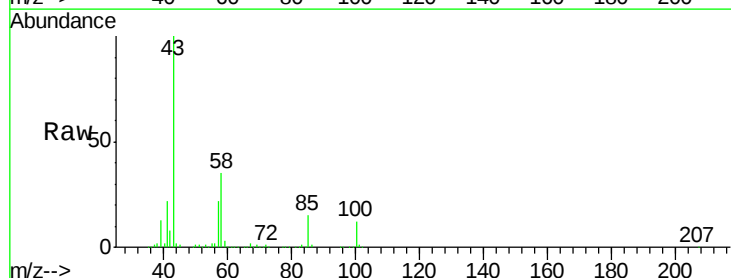
Instrument :
 MSVOA_W
 ClientSampled :

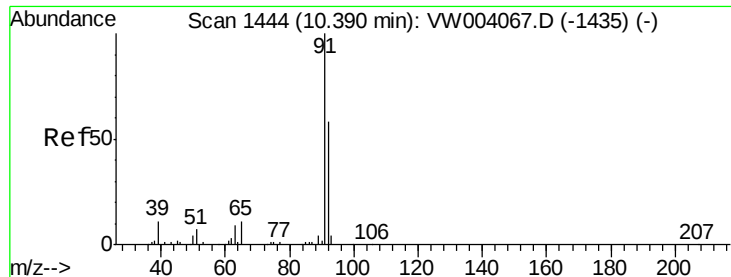
Tot Ion: 75 Resp: 180837
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 57.530 ug/L
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

Tgt Ion: 43 Resp: 237762
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.4 44.2
 100 13.1 10.8 16.2





#44

Toluene

Concen: 28.033 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

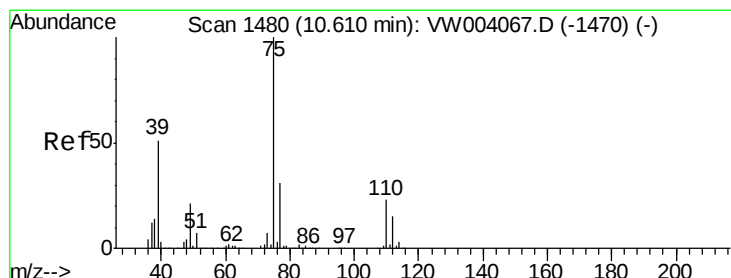
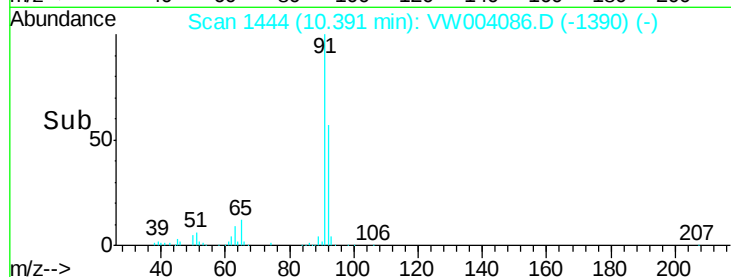
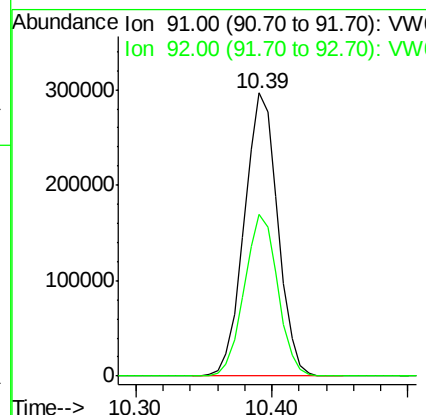
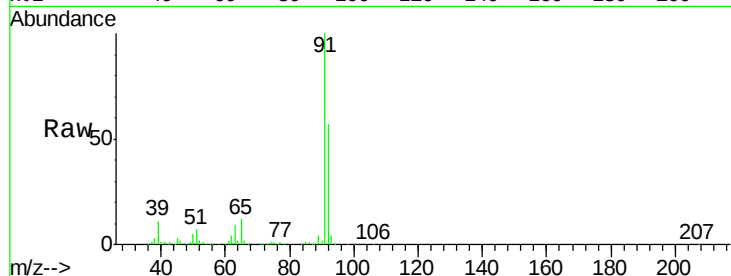
ClientSampleId :

Tot Ion: 91 Resp: 509415

Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 27.206 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004086.D

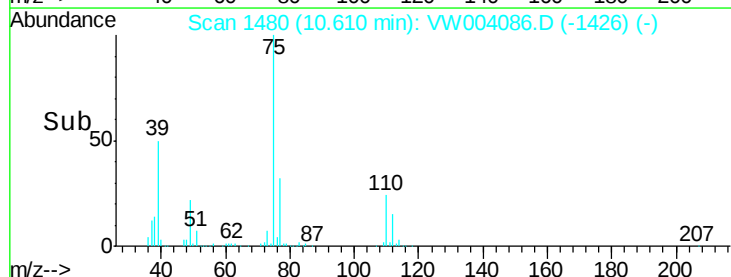
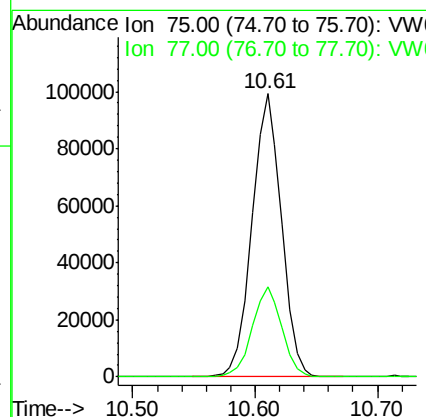
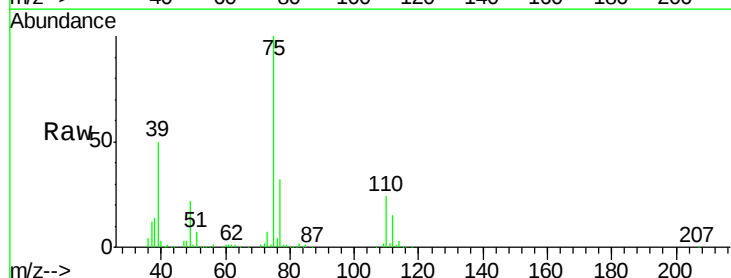
Acq: 20 Jul 2018 21:02

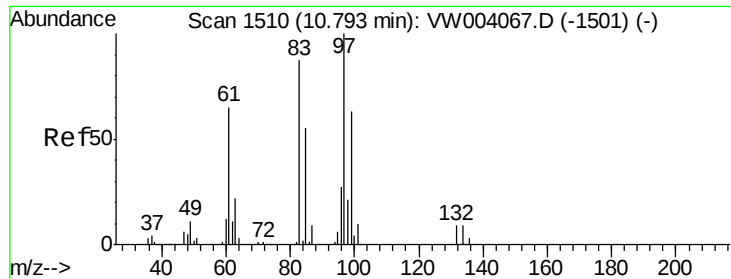
Tgt Ion: 75 Resp: 166228

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7

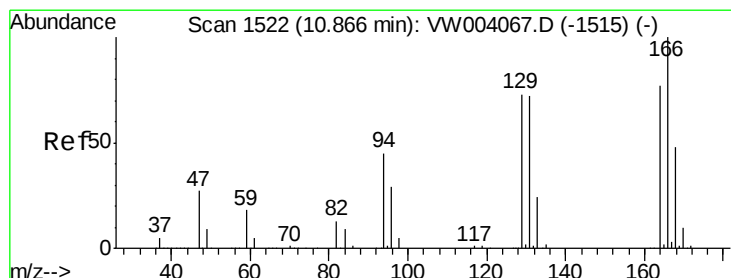
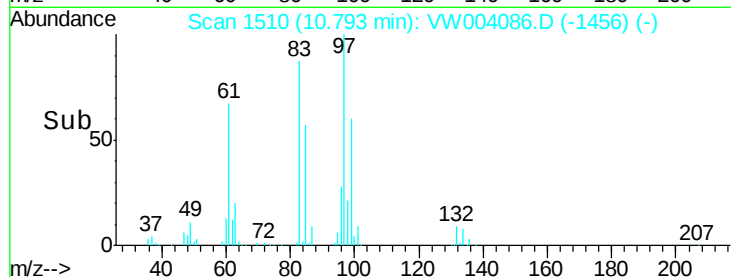
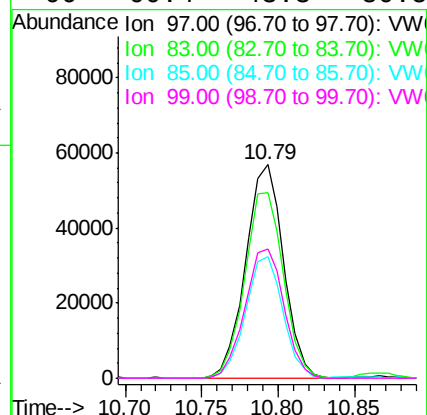
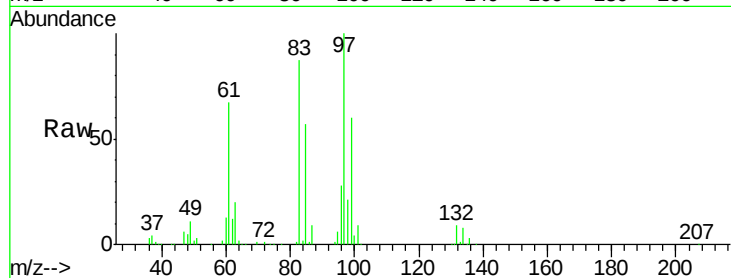




#46
 1,1,2-Trichloroethane
 Concen: 26.747 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

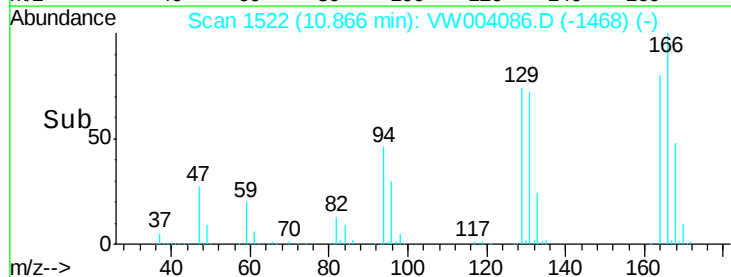
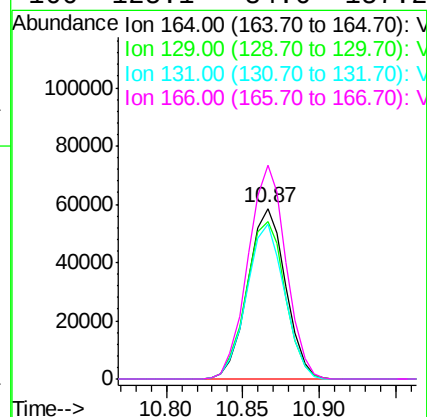
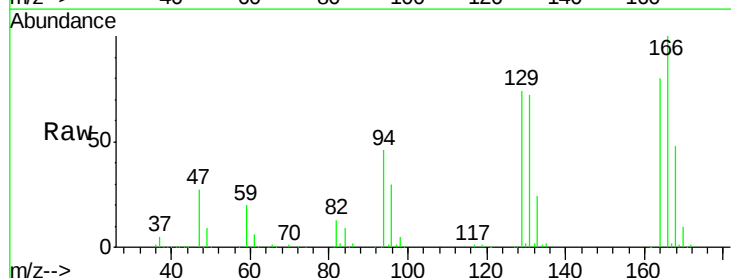
Instrument :
 MSVOA_W
 ClientSampleId :

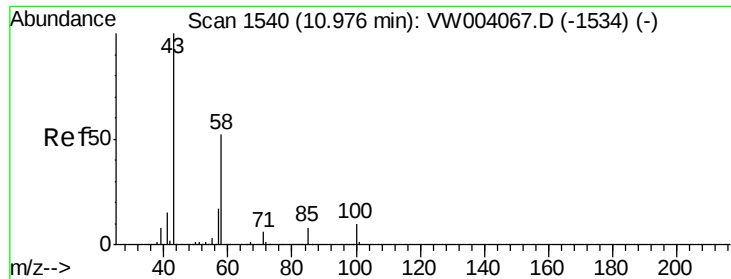
Tot Ion:	97	Resp:	97726
Ion	Ratio	Lower	Upper
97	100		
83	86.7	59.4	110.4
85	56.7	40.0	74.2
99	60.4	43.3	80.5



#47
 Tetrachloroethene
 Concen: 26.843 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

Tgt Ion:	164	Resp:	100452
Ion	Ratio	Lower	Upper
164	100		
129	92.4	63.1	117.3
131	90.5	62.8	116.6
166	125.1	84.6	157.2

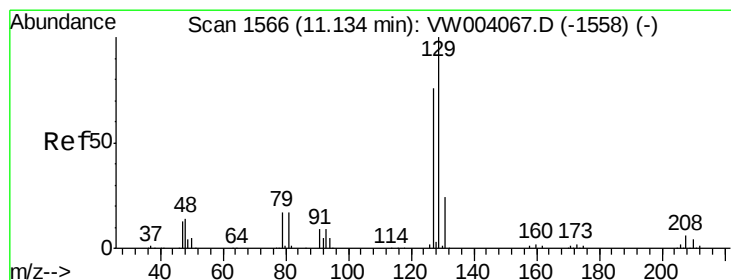
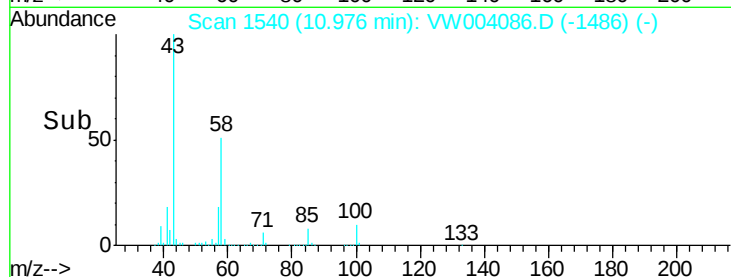
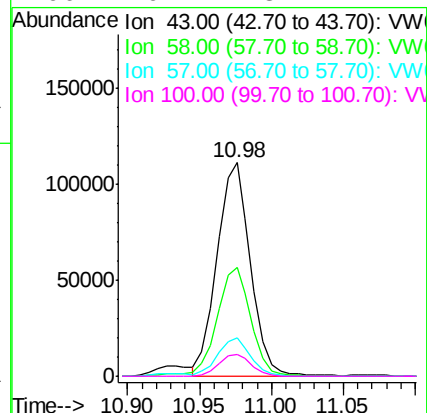
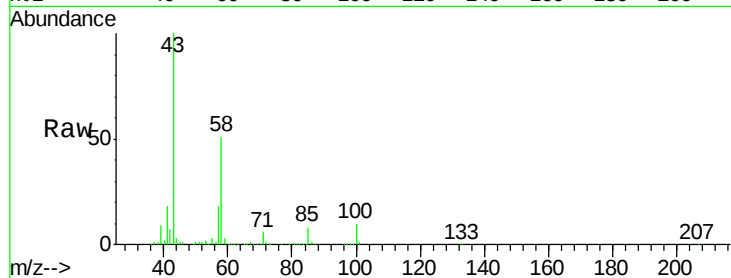




#49
2-Hexanone
Concen: 55.787 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

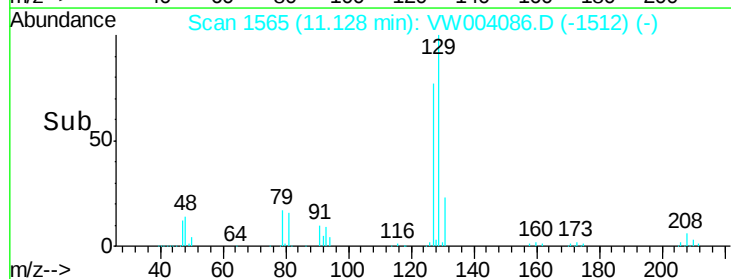
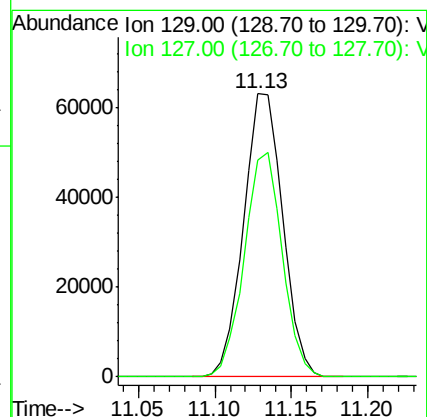
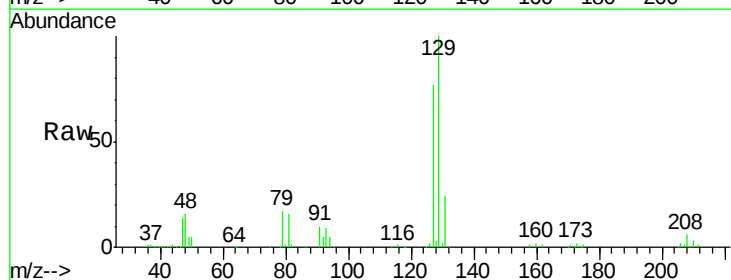
Instrument :
MSVOA_W
ClientSampleId :

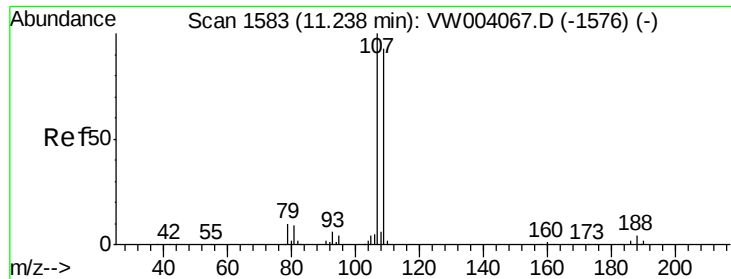
Tot Ion: 43 Resp: 178496
Ion Ratio Lower Upper
43 100
58 51.4 40.4 60.6
57 17.9 14.0 21.0
100 10.4 8.2 12.2



#50
Dibromochloromethane
Concen: 27.494 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

Tgt Ion: 129 Resp: 112535
Ion Ratio Lower Upper
129 100
127 76.7 56.1 104.3

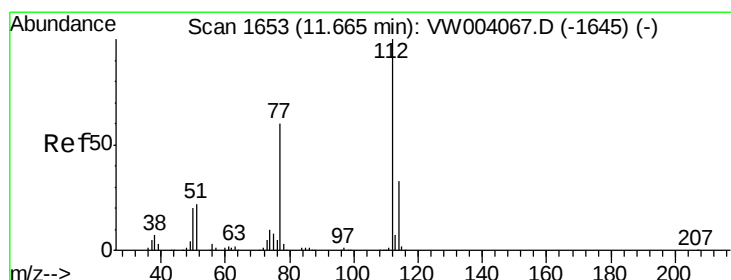
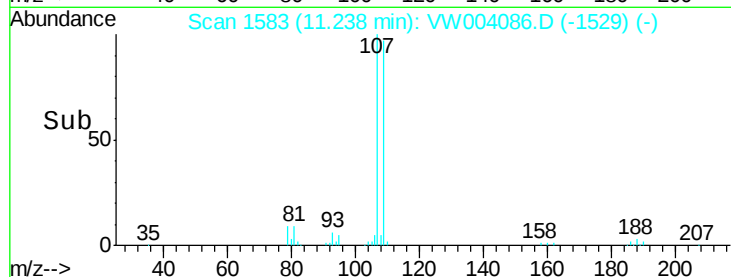
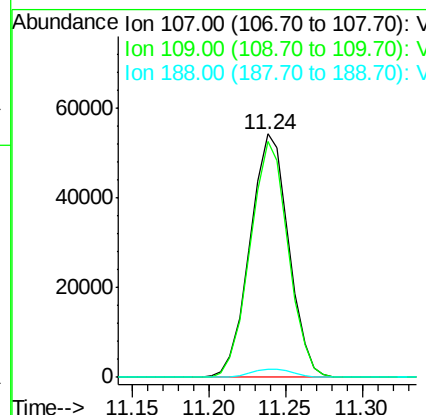
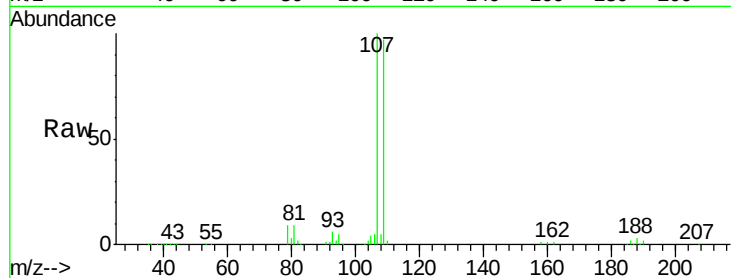




#51
1,2-Dibromoethane
Concen: 26.717 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

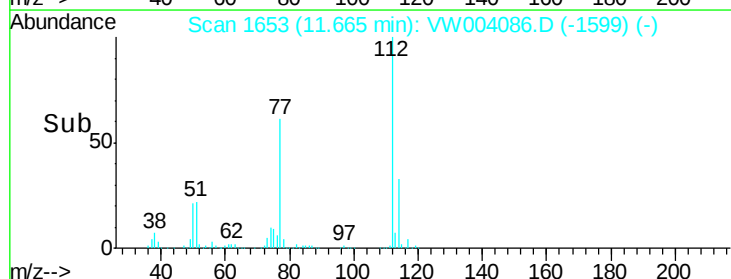
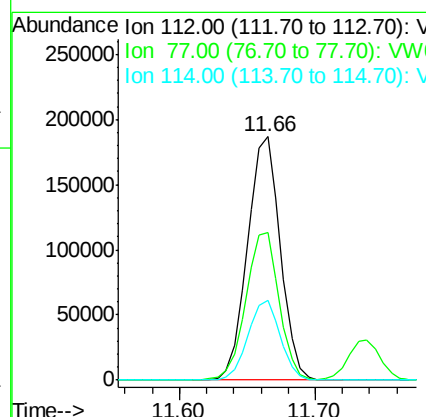
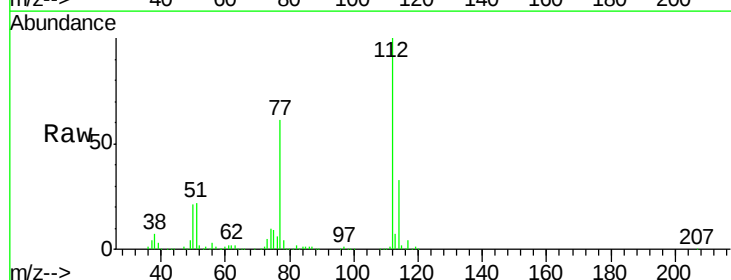
Instrument :
MSVOA_W
ClientSampleId :

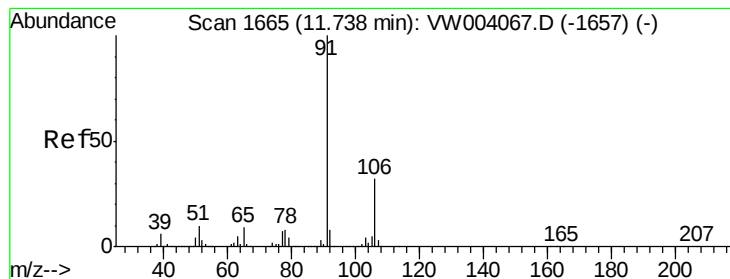
Tot Ion:107 Resp: 95339
Ion Ratio Lower Upper
107 100
109 96.7 65.2 121.0
188 3.2 2.9 4.3



#52
Chlorobenzene
Concen: 27.073 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004086.D
Acq: 20 Jul 2018 21:02

Tgt Ion:112 Resp: 315435
Ion Ratio Lower Upper
112 100
77 60.8 47.7 71.5
114 32.7 22.2 41.2





#53

Ethylbenzene

Concen: 28.326 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

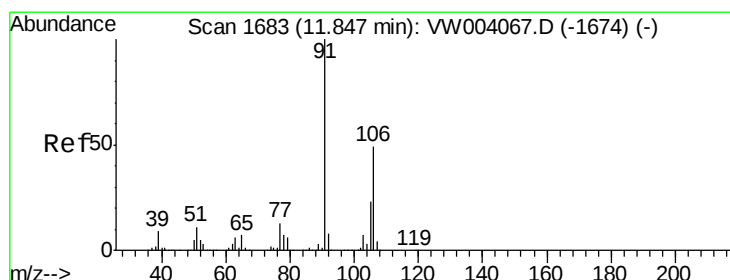
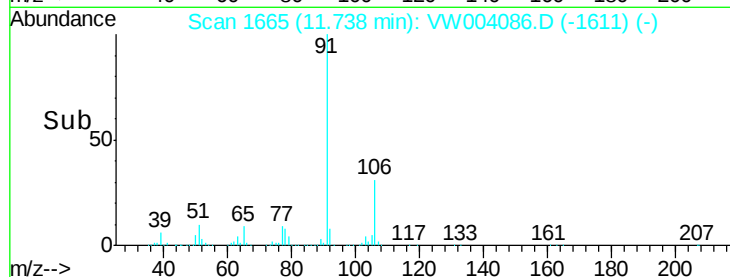
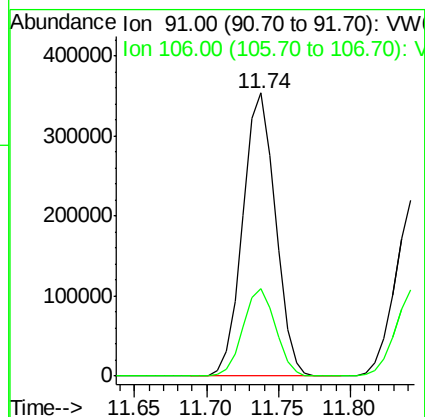
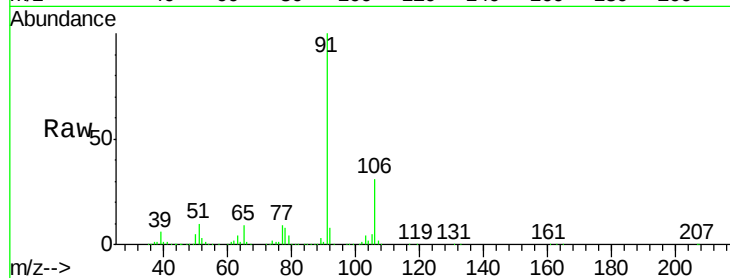
ClientSampled :

Tot Ion: 91 Resp: 557186

Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.5



#54

m,p-Xylene

Concen: 28.629 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004086.D

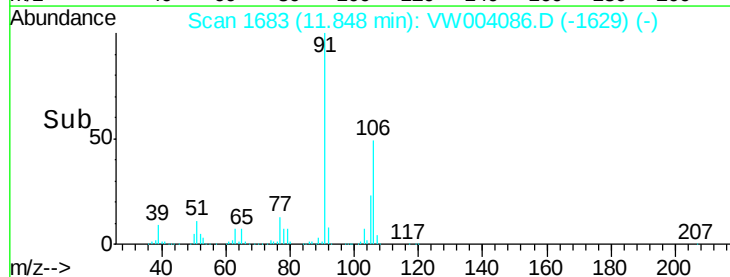
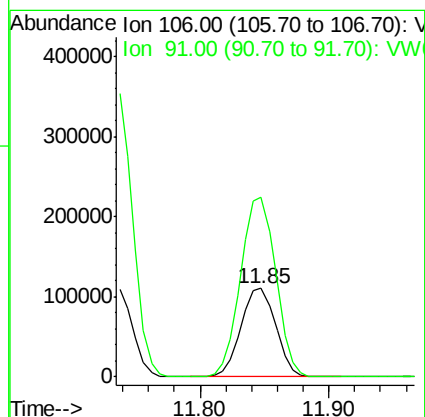
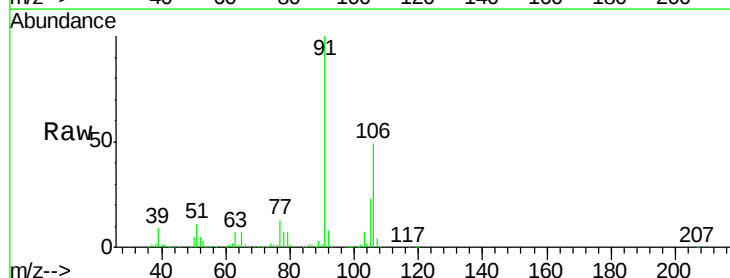
Acq: 20 Jul 2018 21:02

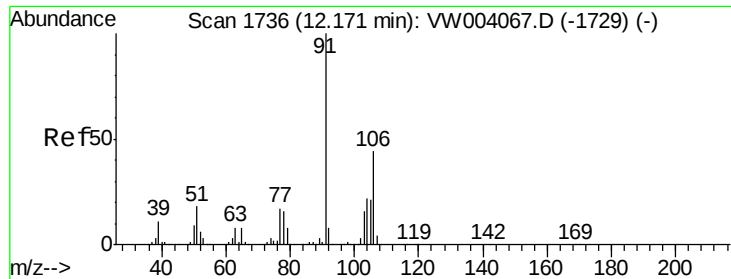
Tgt Ion: 106 Resp: 207558

Ion Ratio Lower Upper

106 100

91 203.0 142.1 263.9





#55

o-xylene

Concen: 28.905 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

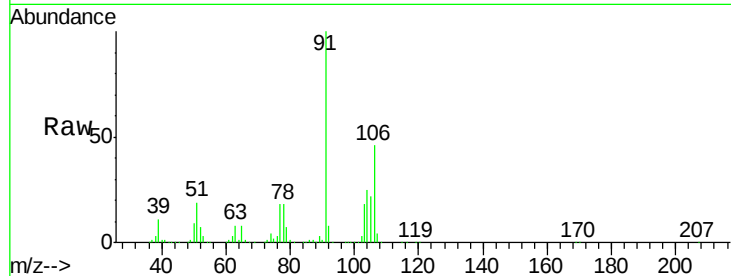
ClientSampled :

Tot Ion:106 Resp: 200444

Ion Ratio Lower Upper

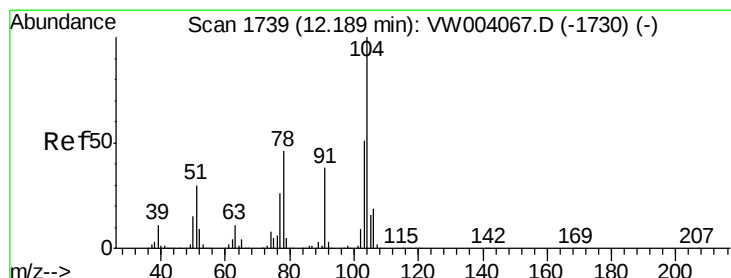
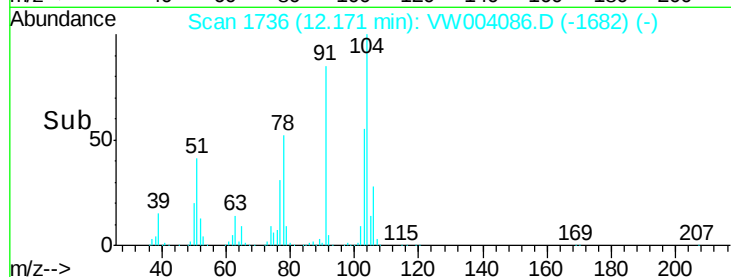
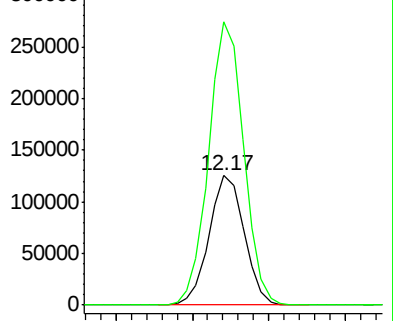
106 100

91 218.5 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 29.582 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004086.D

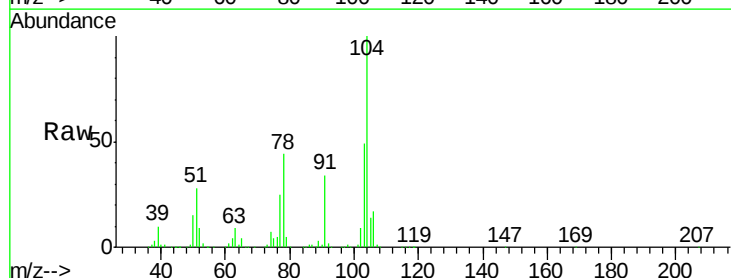
Acq: 20 Jul 2018 21:02

Tgt Ion:104 Resp: 354376

Ion Ratio Lower Upper

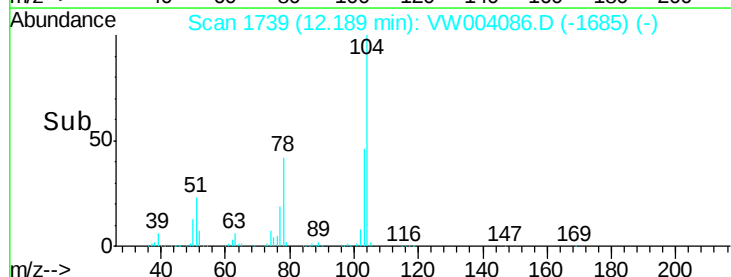
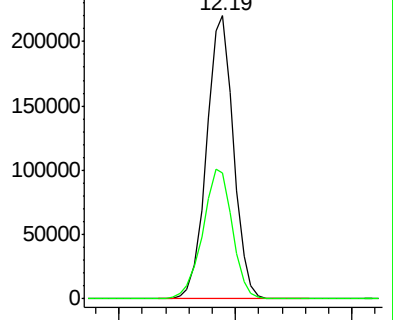
104 100

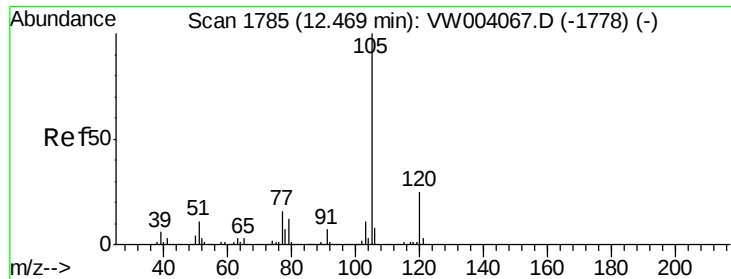
78 44.3 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 29.217 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

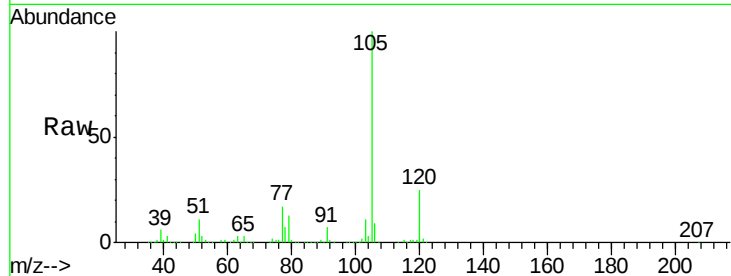
Tot Ion:105 Resp: 555477

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

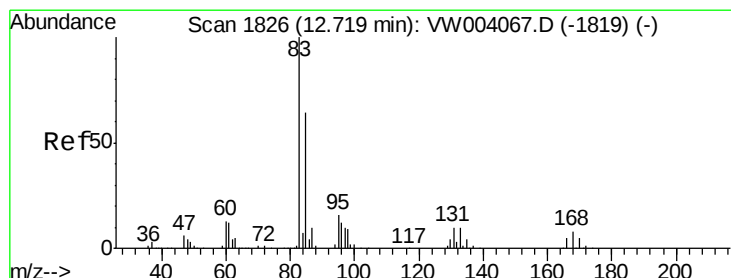
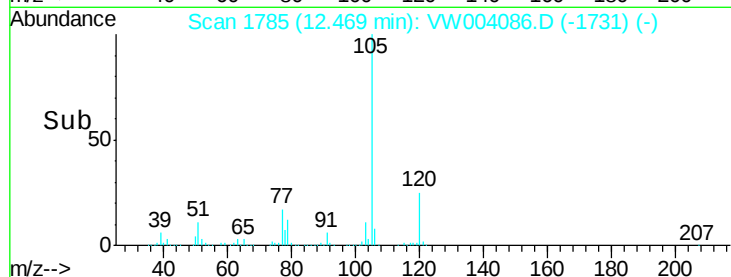
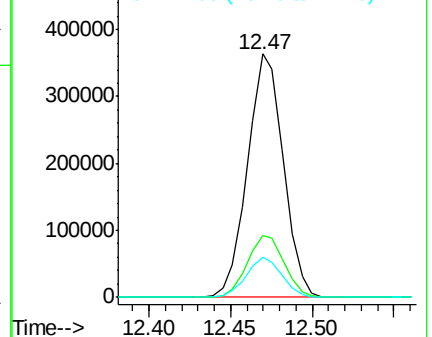
77 16.3 13.1 19.7



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: 27.204 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

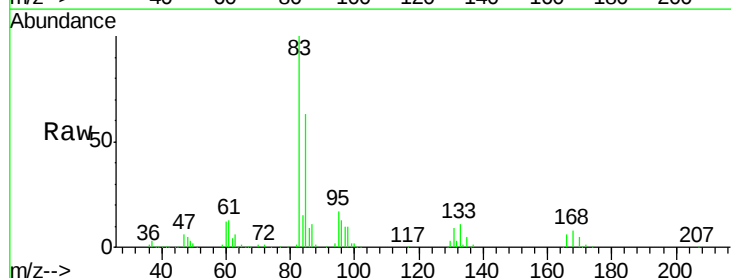
Tgt Ion: 83 Resp: 142074

Ion Ratio Lower Upper

83 100

85 62.7 44.7 83.1

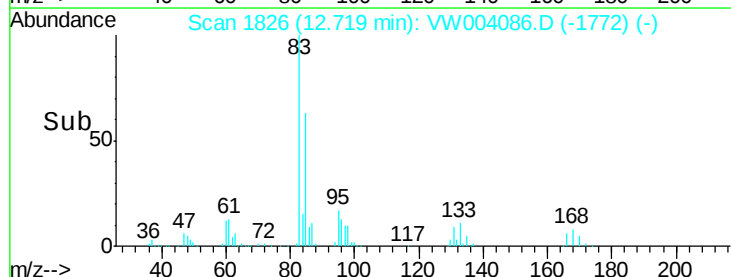
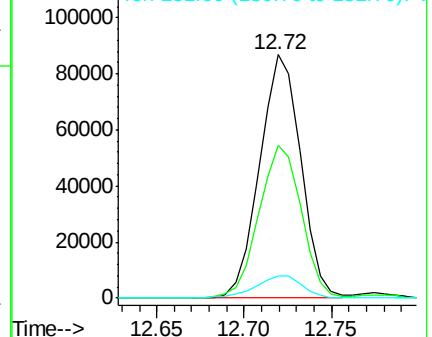
131 9.2 7.8 11.6

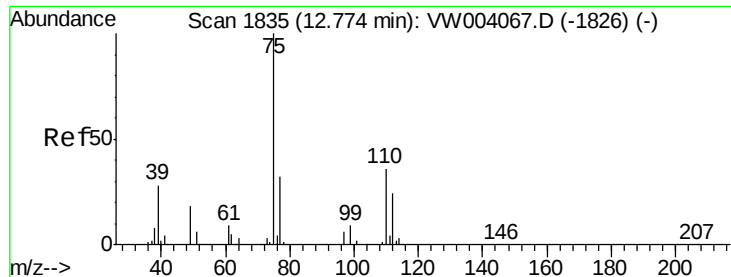


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.233 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

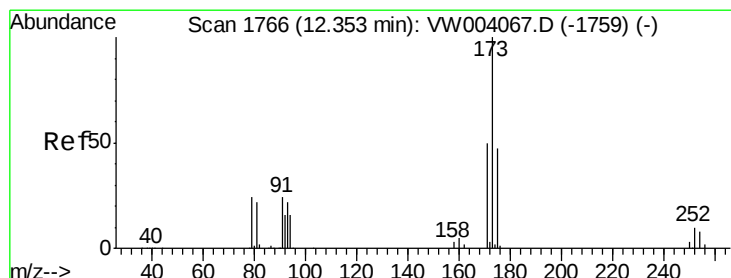
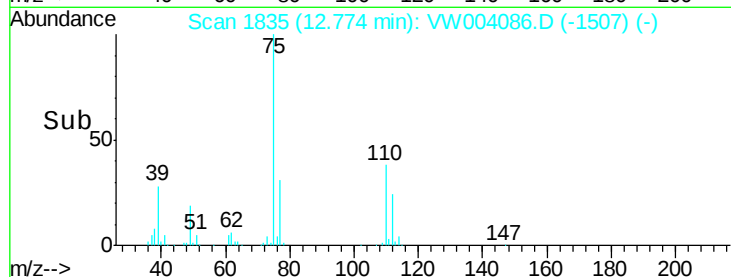
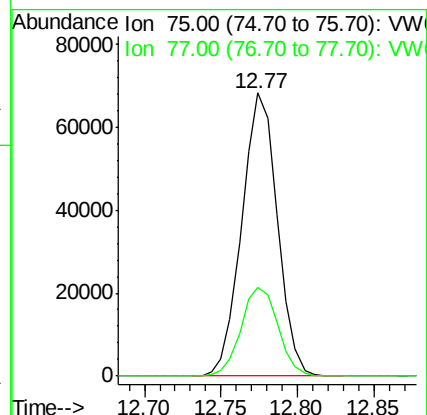
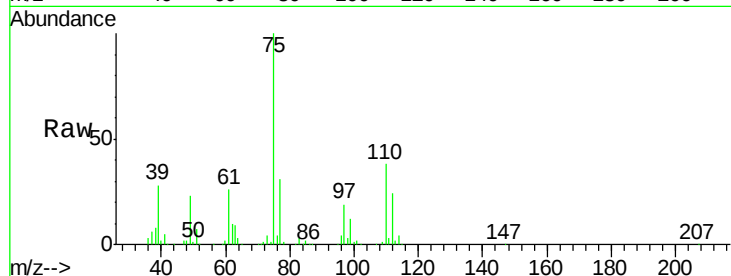
ClientSampleId :

Tot Ion: 75 Resp: 110097

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0



#62

Bromoform

Concen: 26.773 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

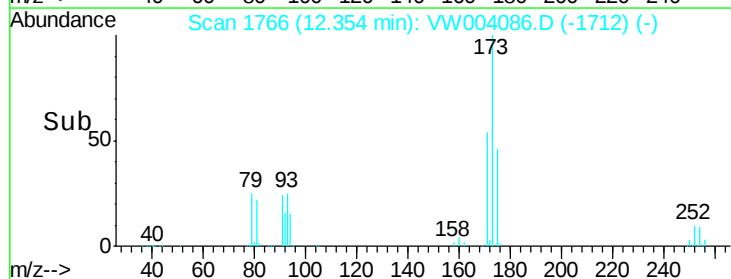
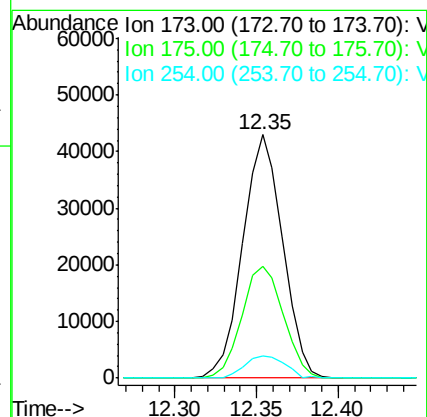
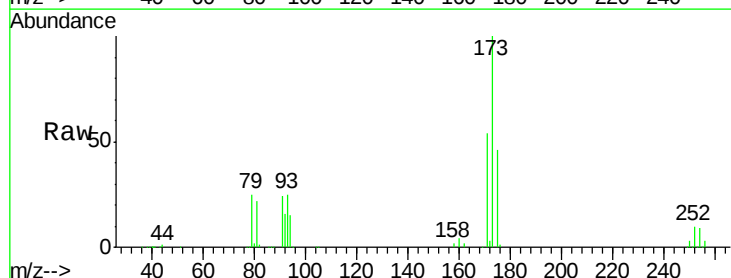
Tgt Ion: 173 Resp: 73382

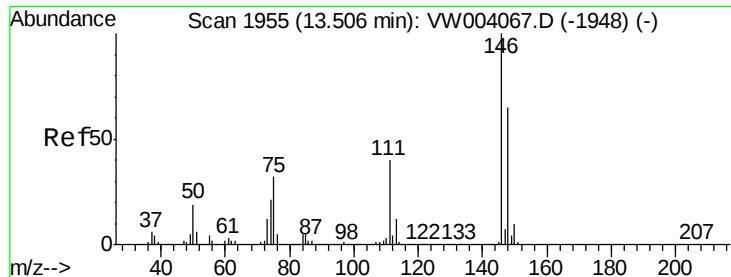
Ion Ratio Lower Upper

173 100

175 47.9 39.4 59.0

254 9.1 7.4 11.2





#63

1,3-Dichlorobenzene

Concen: 27.121 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

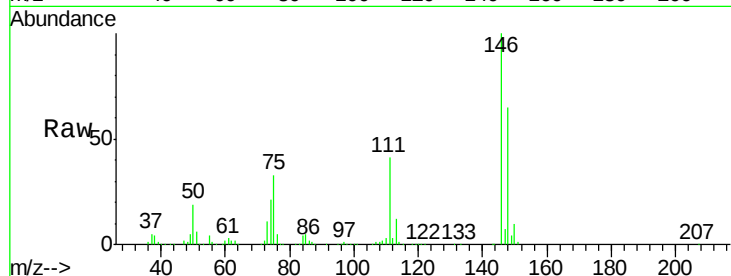
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146 Resp: 242600

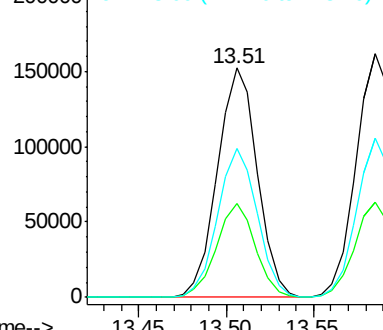
Ion	Ratio	Lower	Upper
146	100		
111	41.1	27.9	51.7
148	65.1	44.2	82.0



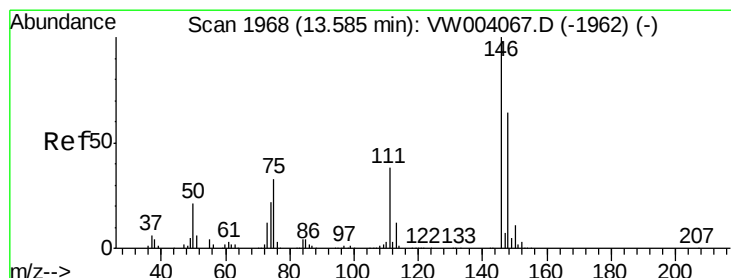
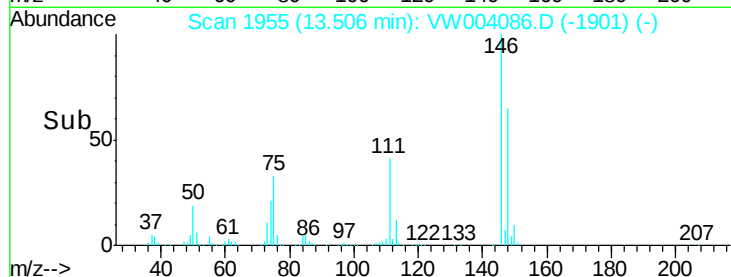
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#64

1,4-Dichlorobenzene

Concen: 26.721 ug/L

RT: 13.59 min Scan# 1968

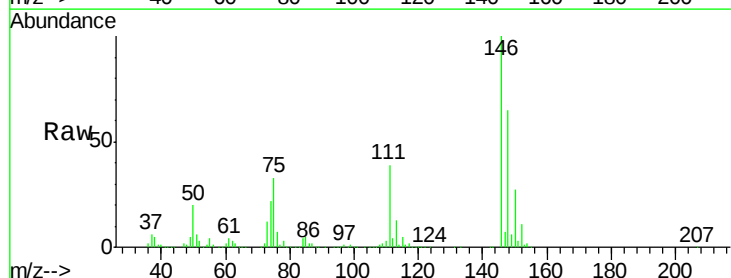
Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Tgt Ion:146 Resp: 256288

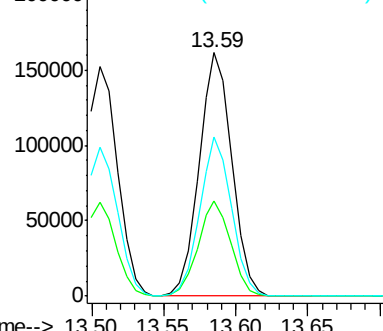
Ion	Ratio	Lower	Upper
146	100		
111	39.3	26.8	49.8
148	65.2	44.3	82.3



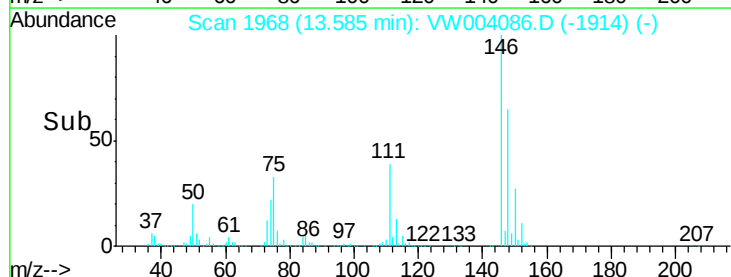
Abundance Ion 146.00 (145.70 to 146.70): V

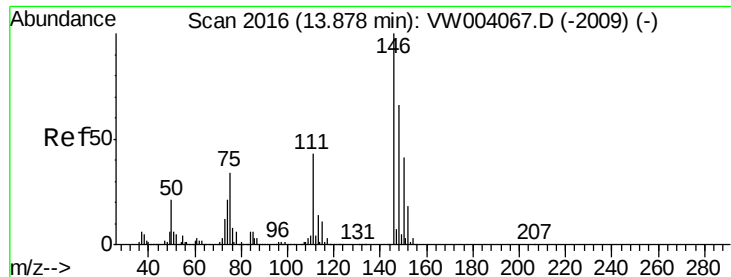
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->





#65

1,2-Dichlorobenzene

Concen: 27.214 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

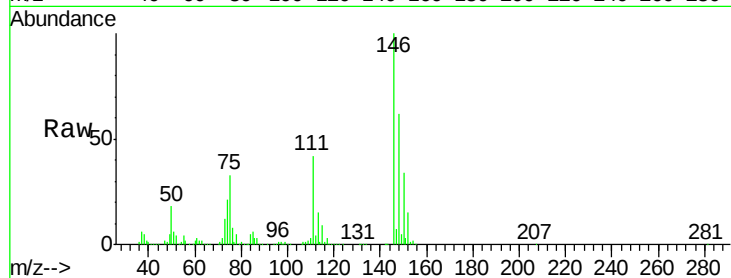
Tot Ion:146 Resp: 237227

Ion Ratio Lower Upper

146 100

111 41.7 33.2 49.8

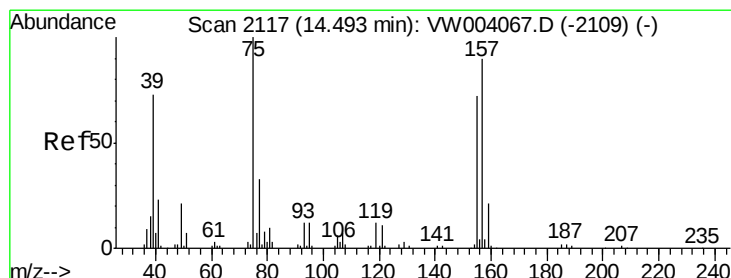
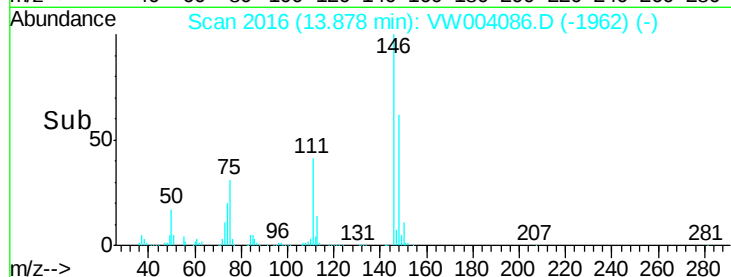
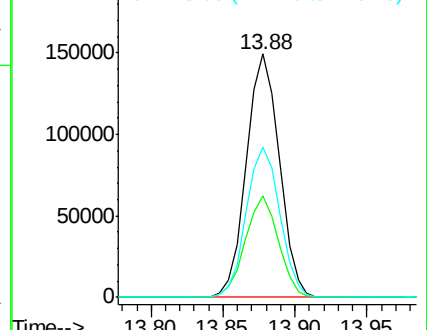
148 61.7 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 26.900 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

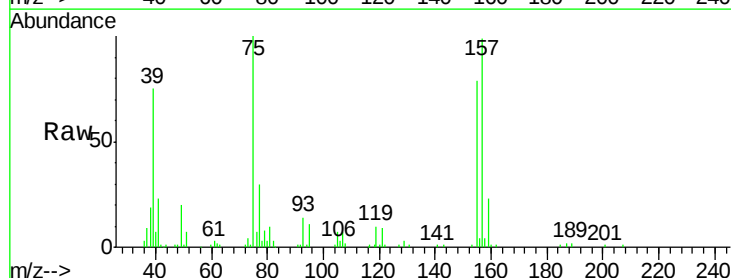
Tgt Ion: 75 Resp: 27338

Ion Ratio Lower Upper

75 100

157 98.9 77.9 116.9

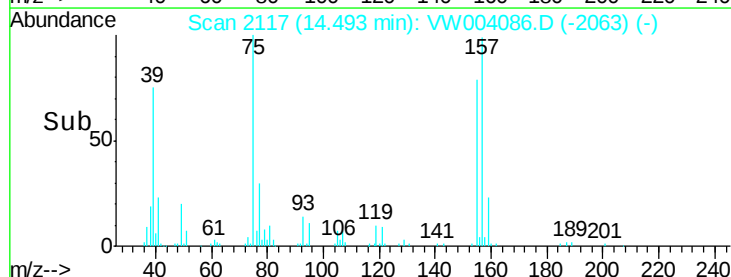
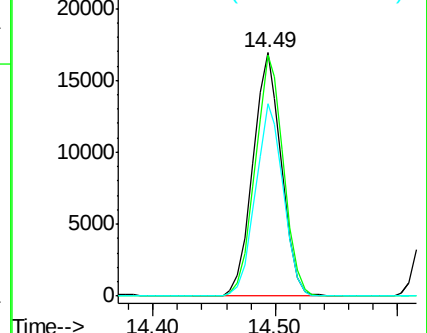
155 78.8 61.8 92.8

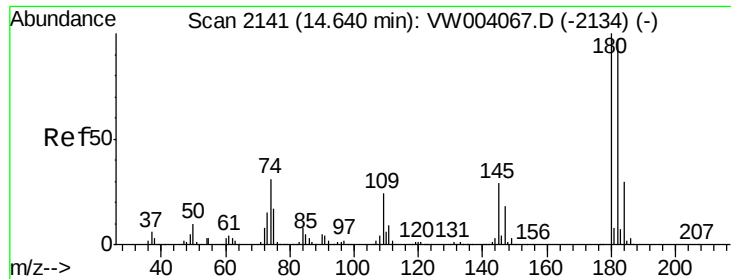


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

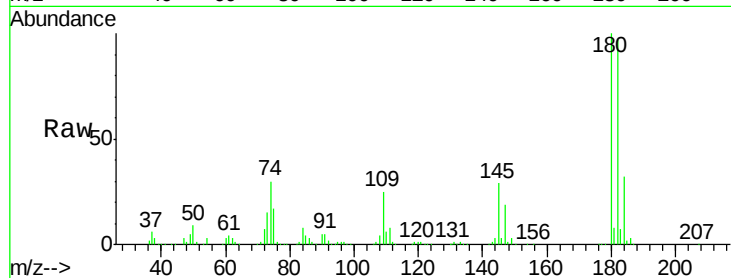




#67
 1,3,5-Trichlorobenzene
 Concen: 26.639 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	180	Resp	188430
Ion Ratio	Lower	Upper	
180	100		
182	95.8	75.5	113.3
184	30.7	24.0	36.0
145	29.5	23.3	34.9

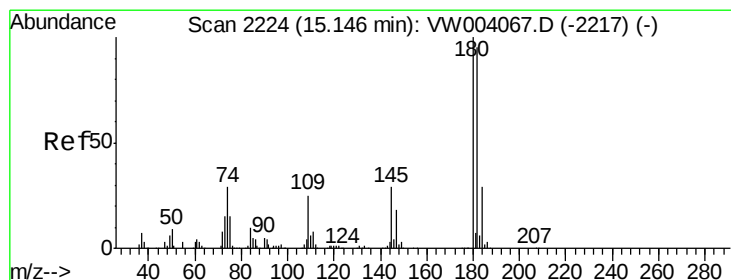
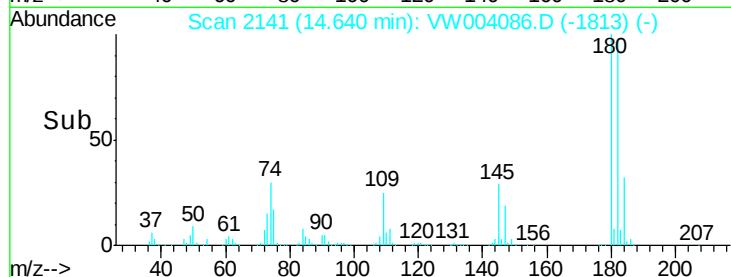
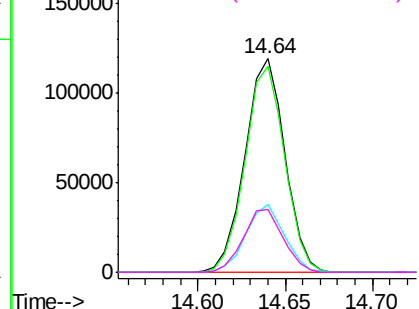


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

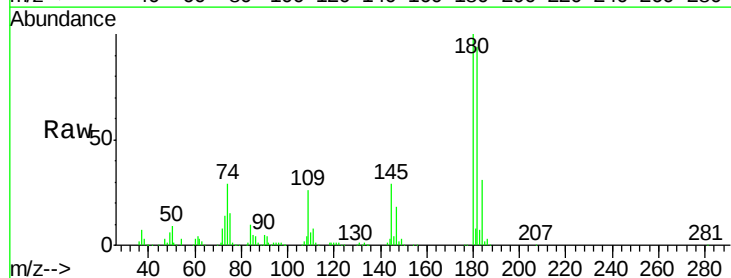
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.900 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004086.D
 Acq: 20 Jul 2018 21:02

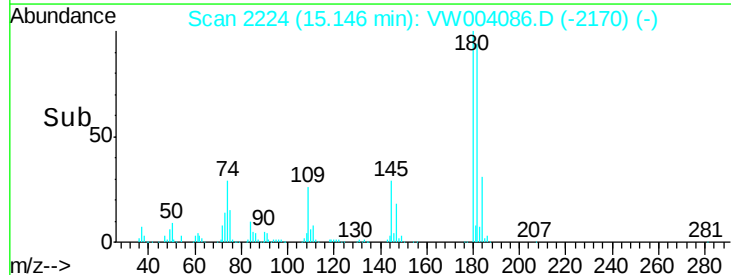
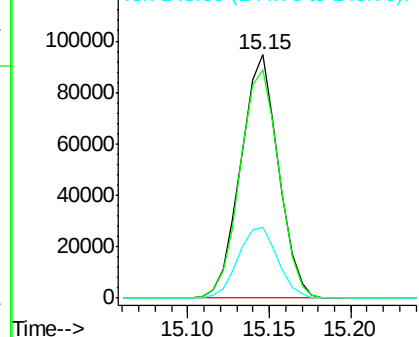
Tgt Ion	180	Resp	152587
Ion Ratio	Lower	Upper	
180	100		
182	96.9	77.8	116.6
145	30.4	24.4	36.6

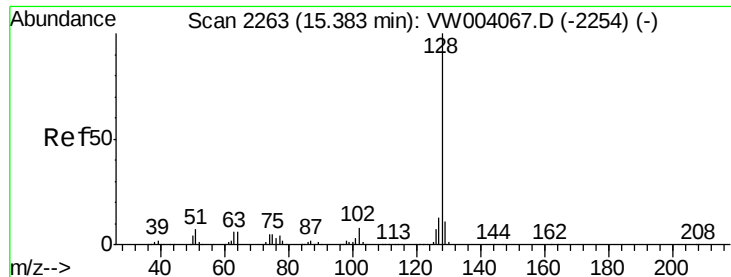


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 29.290 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

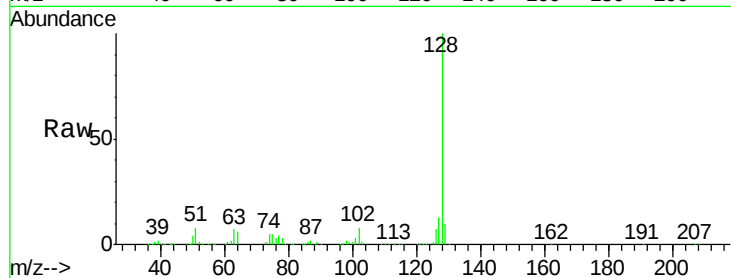
Tot Ion:128 Resp: 374080

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

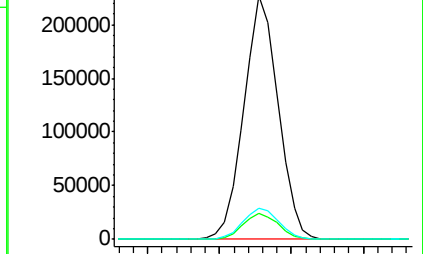
127 13.4 10.9 16.3



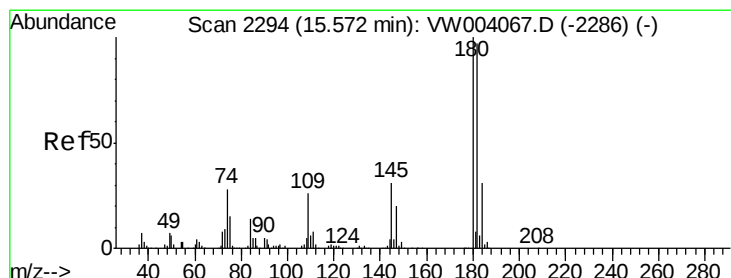
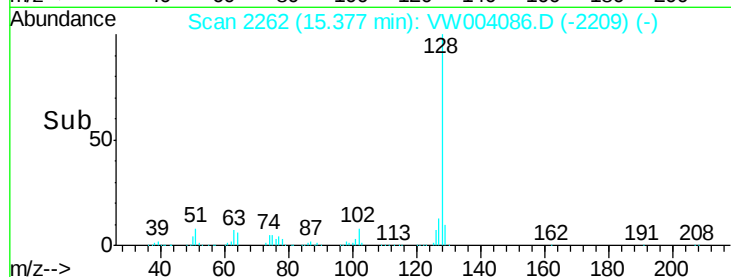
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 28.296 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW004086.D

Acq: 20 Jul 2018 21:02

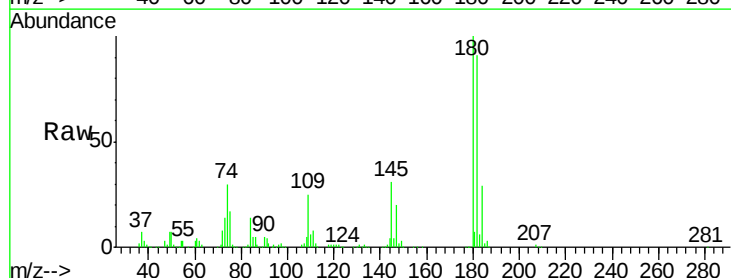
Tgt Ion:180 Resp: 152717

Ion Ratio Lower Upper

180 100

182 93.7 76.6 115.0

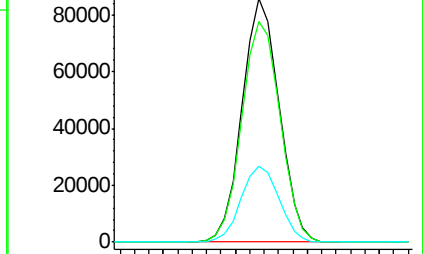
145 32.0 25.3 37.9



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



Time-->

