

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100118\
 Data File : VW005765.D
 Acq On : 02 Oct 2018 05:23
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/105ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 02 07:21:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 02 07:19:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	269458	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	255978	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	134069	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	82061	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.56%
7) Chloroethane-d5	2.90	69	66521	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.28%
10) 1,1-Dichloroethene-d2	4.02	63	181589	24.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.84%
20) 2-Butanone-d5	7.09	46	72675	65.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.80%
24) Chloroform-d	7.65	84	189541	27.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.52%
26) 1,2-Dichloroethane-d4	8.31	65	115863	27.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.56%
29) Benzene-d6	8.28	84	360003	28.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.64%
33) 1,2-Dichloropropane-d6	9.28	67	108946	29.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	118.96%
37) Toluene-d8	10.33	98	340473	27.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.88%
38) trans-1,3-Dichloropropene-	10.59	79	50172	26.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.32%
39) 2-Hexanone-d5	10.93	63	58976	68.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.52%#
48) 1,1,2,2-Tetrachloroethane-	12.70	84	111363	31.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	125.20%#
61) 1,2-Dichlorobenzene-d4	13.86	152	133873	28.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	65396	20.697	ug/L	93
3) Chloromethane	2.21	50	55642	18.905	ug/L	97
5) Vinyl chloride	2.37	62	97391	22.948	ug/L	98
6) Bromomethane	2.79	94	55274	21.647	ug/L	98
8) Chloroethane	2.93	64	55778	23.638	ug/L	97
9) Trichlorofluoromethane	3.26	101	64089	19.764	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	93073	25.408	ug/L	98
12) 1,1-Dichloroethene	4.03	96	82123	23.473	ug/L #	77
13) Acetone	4.14	43	49749	43.321	ug/L	69
14) Carbon disulfide	4.38	76	240420	21.917	ug/L	99
15) Methyl Acetate	4.68	43	55236	27.103	ug/L	98
16) Methylene chloride	4.92	84	94867	21.352	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	132595	23.819	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	84728	23.547	ug/L	97
19) 1,1-Dichloroethane	6.22	63	161891	24.315	ug/L	100
21) 2-Butanone	7.18	43	73851	53.698	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	94036	24.043	ug/L	97

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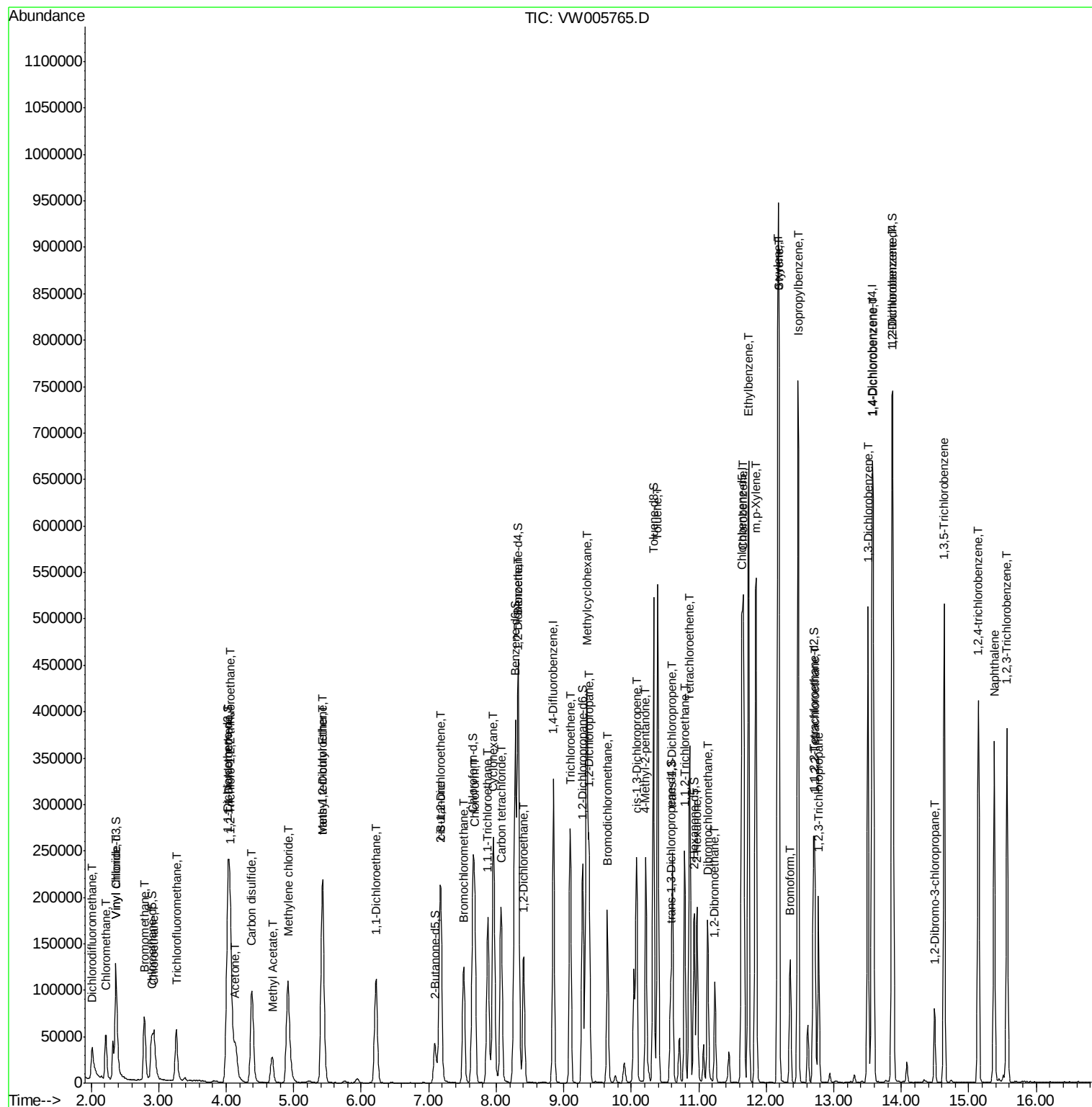
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	44597	24.568	ug/L	98
25) Chloroform	7.68	83	174844	24.544	ug/L	100
27) 1,2-Dichloroethane	8.41	62	129763	24.741	ug/L	97
30) Cyclohexane	7.96	56	145122	25.014	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	151401	24.153	ug/L	100
32) Carbon tetrachloride	8.07	117	146970	24.076	ug/L	100
34) Benzene	8.33	78	366432	25.335	ug/L	100
35) Trichloroethene	9.10	95	95554	24.695	ug/L	99
36) Methylcyclohexane	9.34	83	166390	24.729	ug/L	98
40) 1,2-Dichloropropane	9.37	63	93097	26.412	ug/L	100
41) Bromodichloromethane	9.65	83	125757	25.376	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	137854	23.682	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	156361	54.358	ug/L	100
44) Toluene	10.39	91	398840	24.676	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	129925	23.971	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	75329	25.611	ug/L	97
47) Tetrachloroethene	10.87	164	82025	24.061	ug/L	97
49) 2-Hexanone	10.98	43	115220	57.064	ug/L	100
50) Dibromochloromethane	11.13	129	93537	25.357	ug/L	96
51) 1,2-Dibromoethane	11.24	107	72874	25.627	ug/L	94
52) Chlorobenzene	11.66	112	253362	23.828	ug/L	99
53) Ethylbenzene	11.74	91	456474	24.666	ug/L	99
54) m,p-Xylene	11.85	106	171724	24.630	ug/L	97
55) o-xylene	12.17	106	162848	24.781	ug/L	98
56) Styrene	12.19	104	293172	25.421	ug/L	99
57) Isopropylbenzene	12.47	105	465689	24.810	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	102208	27.240	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	82913	27.222	ug/L	100
62) Bromoform	12.35	173	63311	26.556	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	207030	24.311	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	213192	23.972	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	205253	25.048	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	19933	25.584	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	164560	23.544	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	137734	23.989	ug/L	99
69) Naphthalene	15.38	128	308831	26.844	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	134592	25.012	ug/L	100

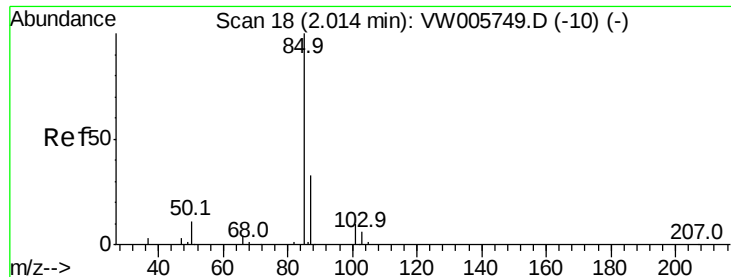
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.697 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

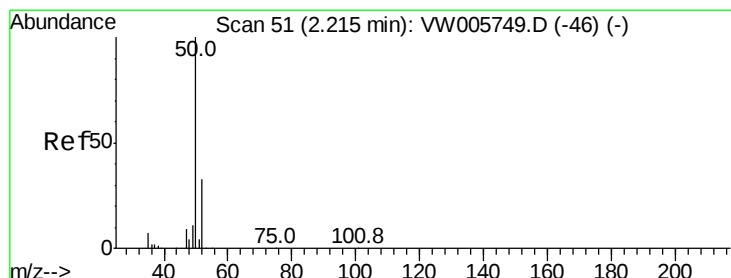
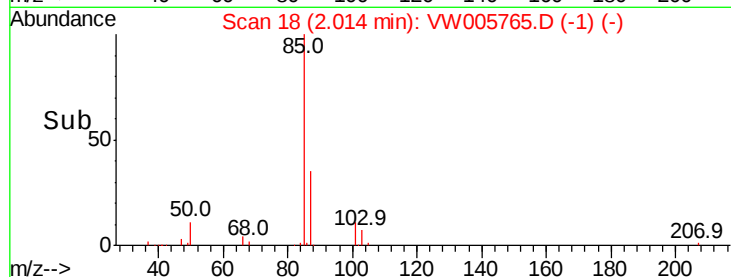
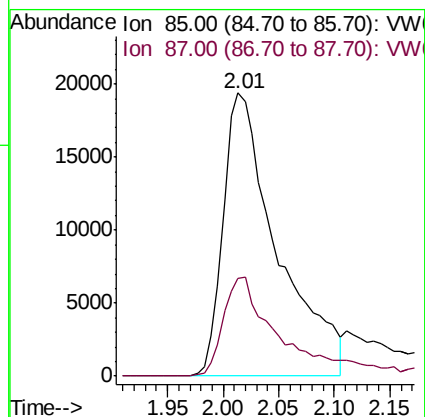
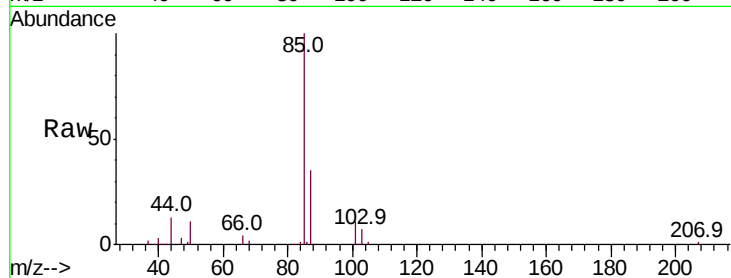
ClientSampled :

Tot Ion: 85 Resp: 65396

Ion Ratio Lower Upper

85 100

87 30.8 19.2 35.6



#3

Chloromethane

Concen: 18.905 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005765.D

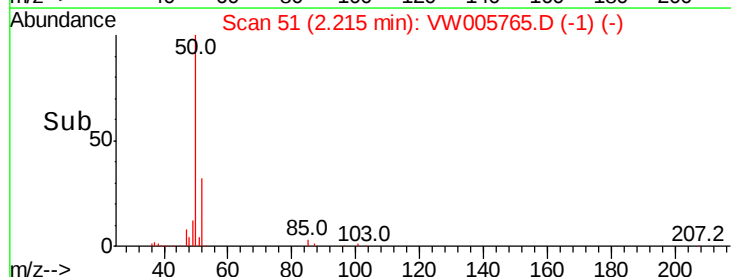
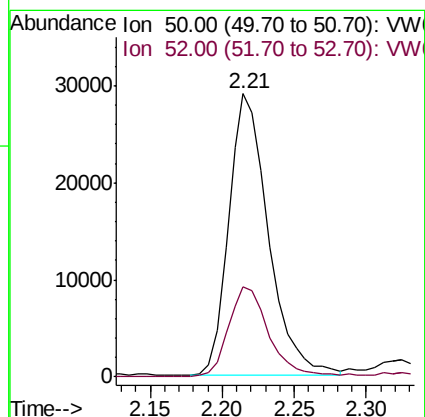
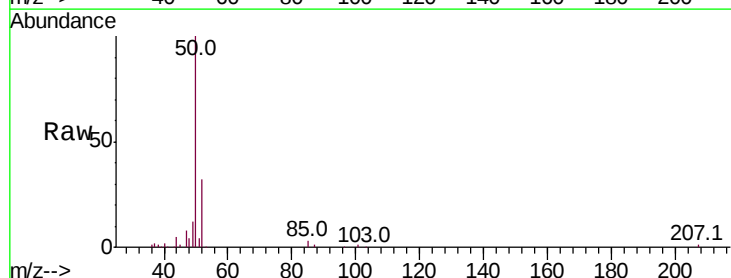
Acq: 02 Oct 2018 05:23

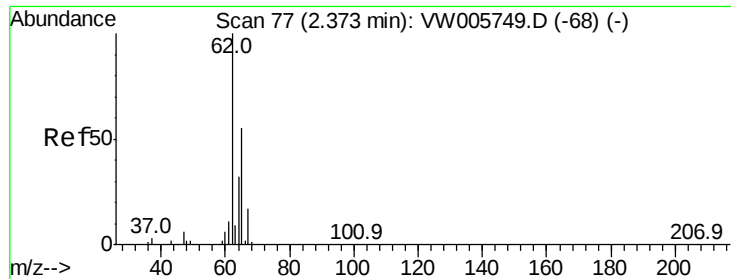
Tgt Ion: 50 Resp: 55642

Ion Ratio Lower Upper

50 100

52 31.7 23.4 43.4





#5

Vinyl chloride

Concen: 22.948 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

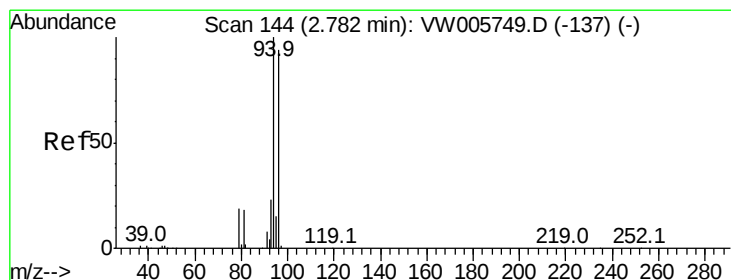
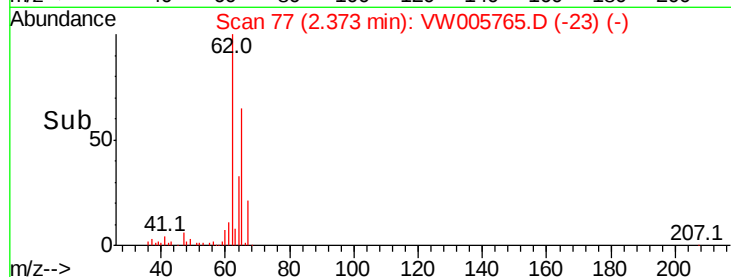
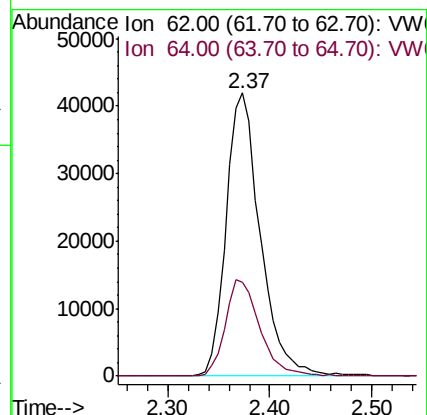
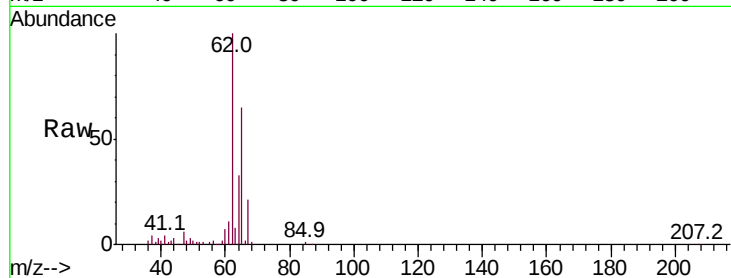
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 62 Resp: 97391

Ion Ratio Lower Upper

62 100

64 33.0 24.1 44.7



#6

Bromomethane

Concen: 21.647 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005765.D

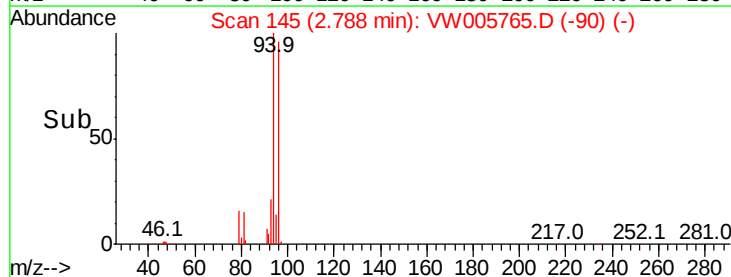
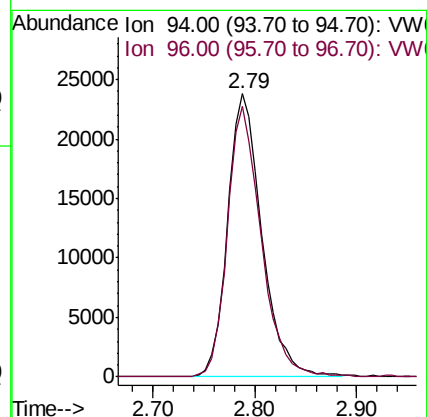
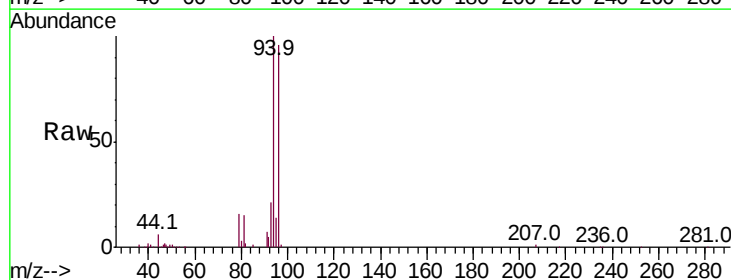
Acq: 02 Oct 2018 05:23

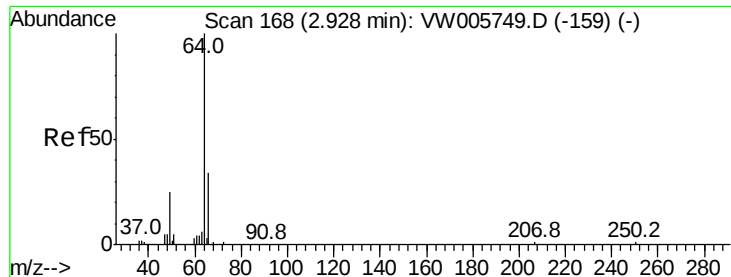
Tgt Ion: 94 Resp: 55274

Ion Ratio Lower Upper

94 100

96 93.8 9.6 181.6





#8

Chloroethane

Concen: 23.638 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

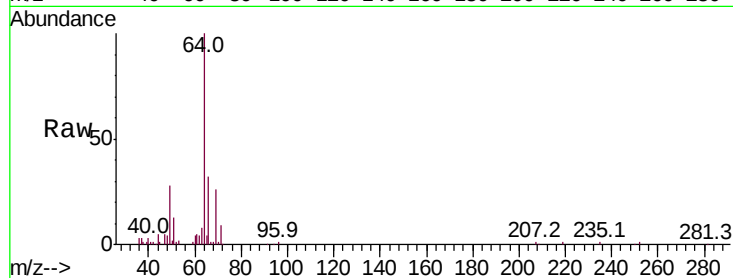
ClientSampleId :

Tot Ion: 64 Resp: 55778

Ion Ratio Lower Upper

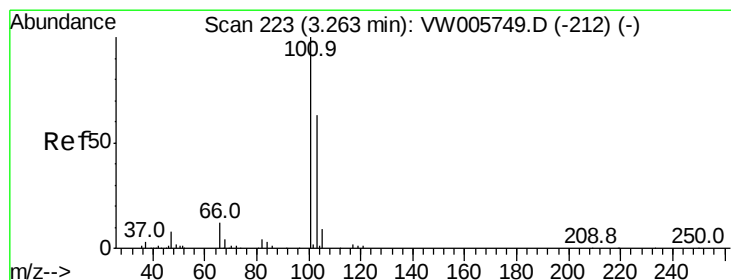
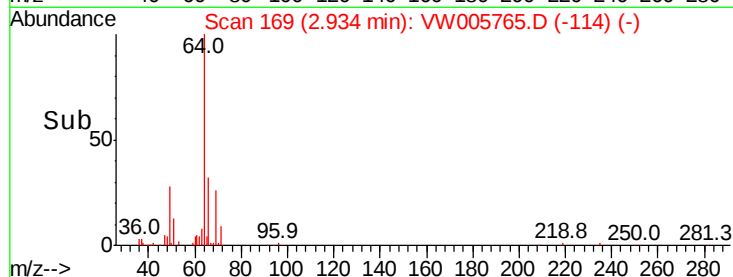
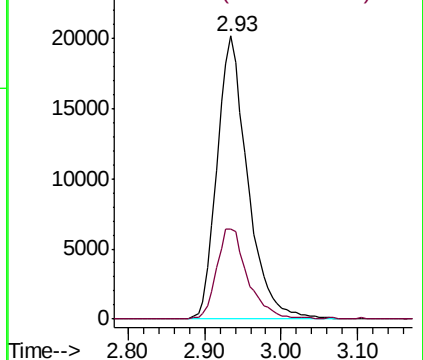
64 100

66 31.9 21.1 39.3



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 19.764 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW005765.D

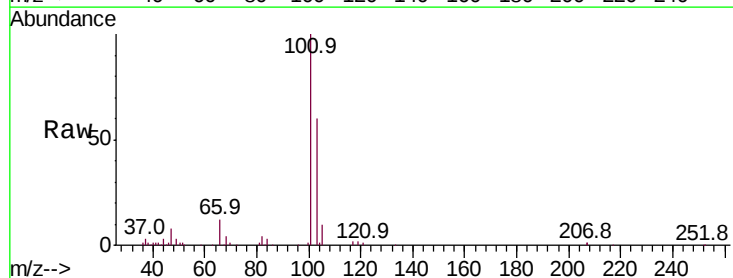
Acq: 02 Oct 2018 05:23

Tgt Ion: 101 Resp: 64089

Ion Ratio Lower Upper

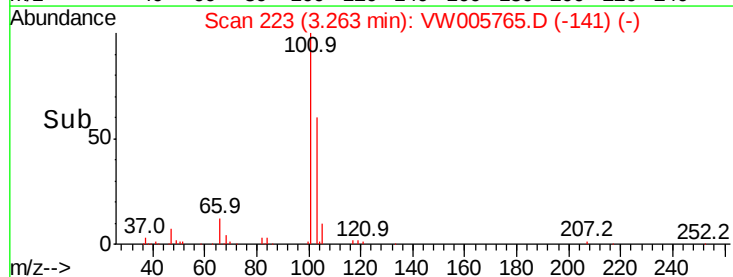
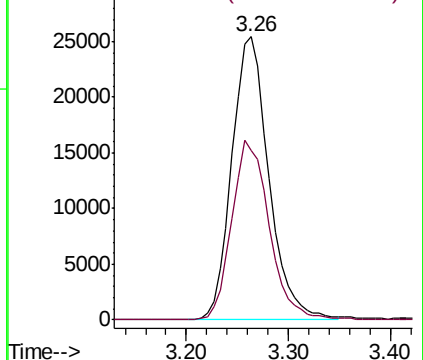
101 100

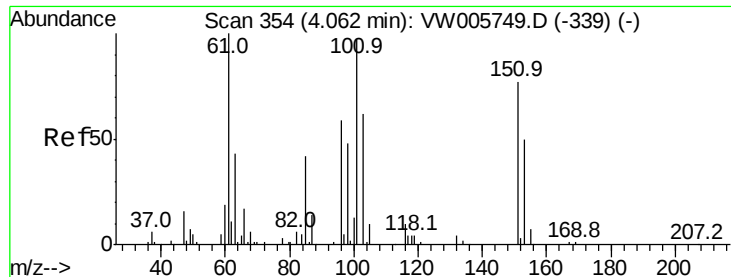
103 64.1 44.9 83.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 25.408 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

ClientSampled :

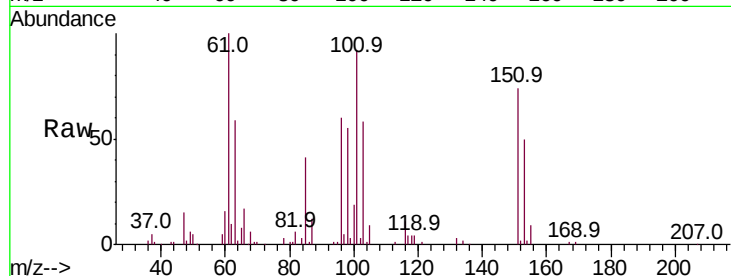
Tot Ion:101 Resp: 93073

Ion Ratio Lower Upper

101 100

85 43.0 35.0 52.4

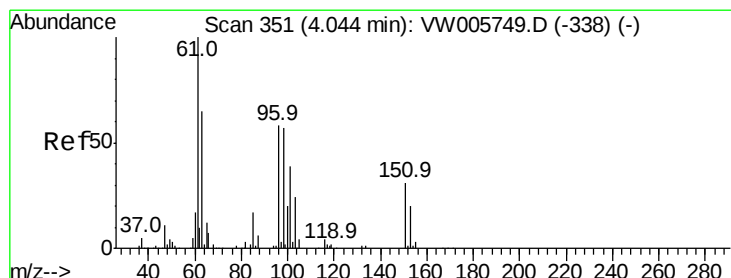
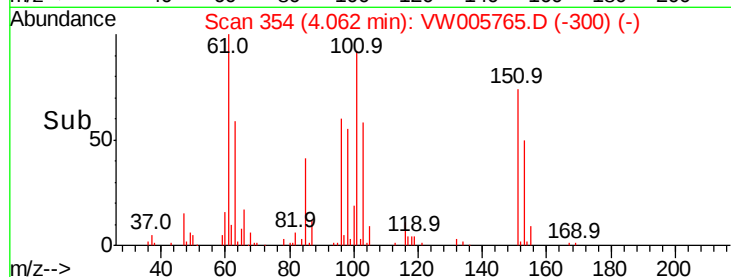
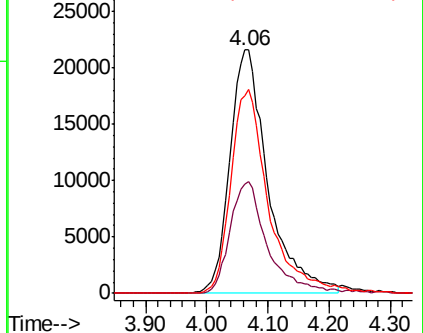
151 81.2 66.4 99.6



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: 23.473 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

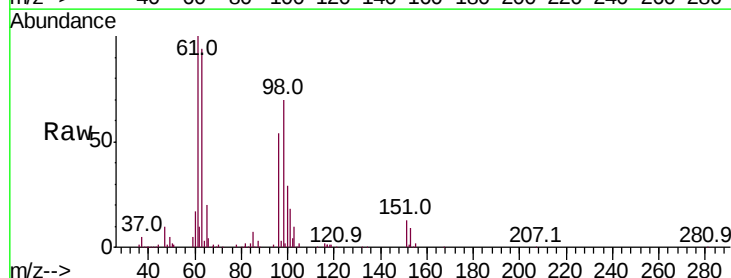
Tgt Ion: 96 Resp: 82123

Ion Ratio Lower Upper

96 100

61 185.5 121.4 225.6

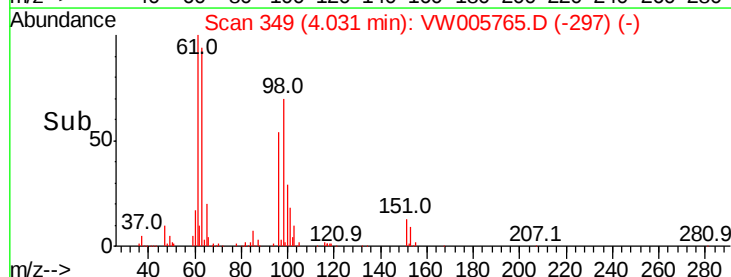
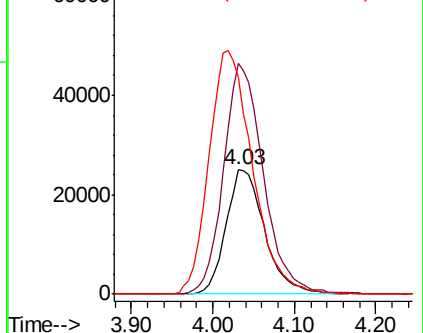
63 174.6 87.2 161.9#

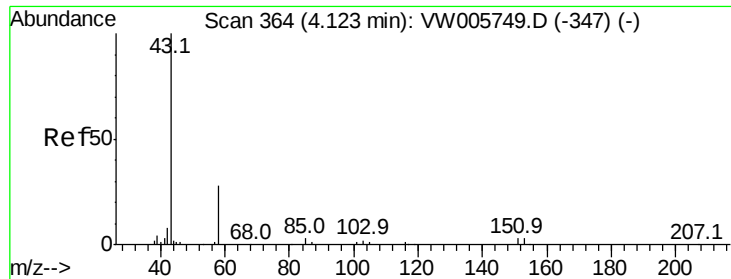


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.321 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

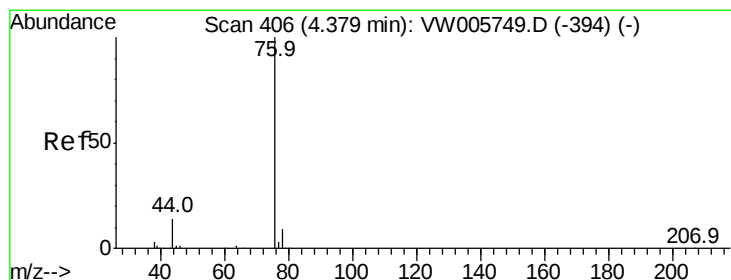
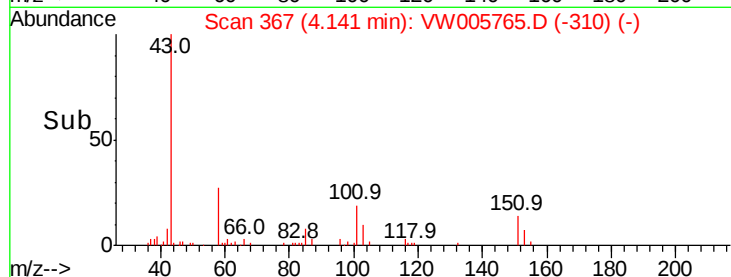
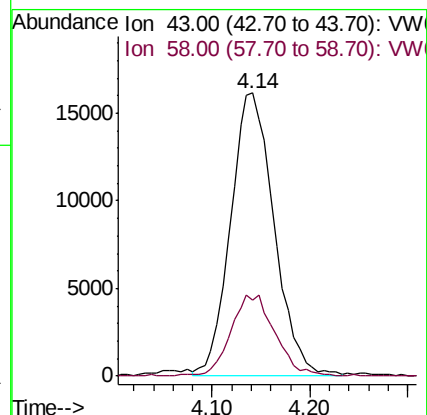
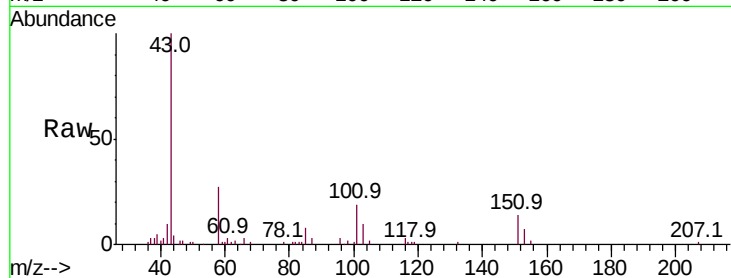
ClientSampled :

Tot Ion: 43 Resp: 49749

Ion Ratio Lower Upper

43 100

58 29.2 0.0 31.8



#14

Carbon disulfide

Concen: 21.917 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW005765.D

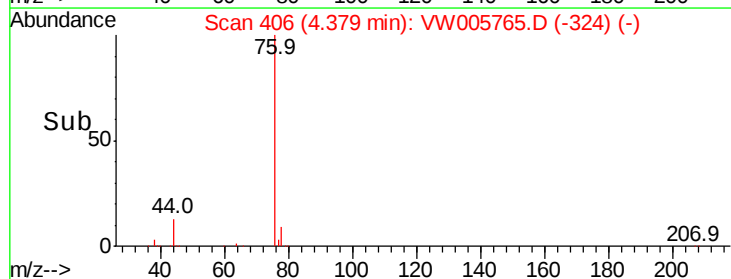
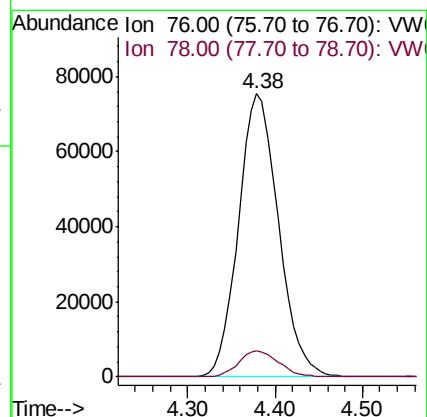
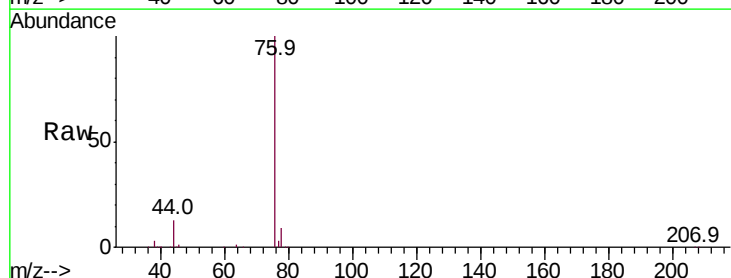
Acq: 02 Oct 2018 05:23

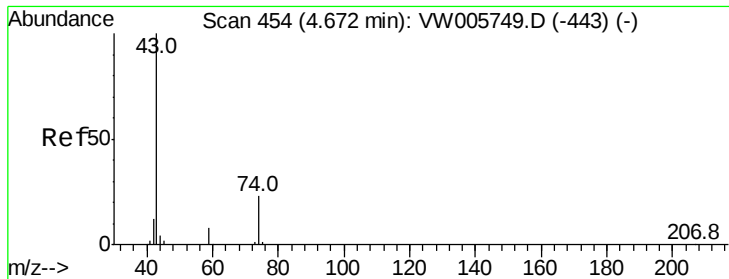
Tgt Ion: 76 Resp: 240420

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

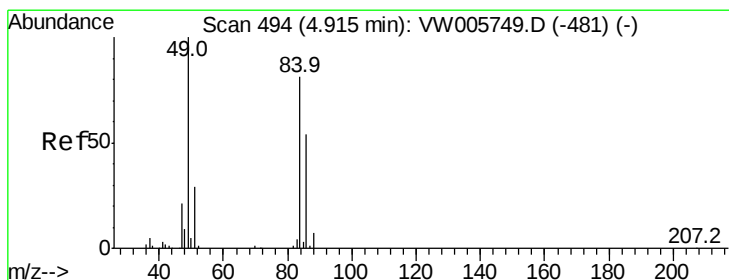
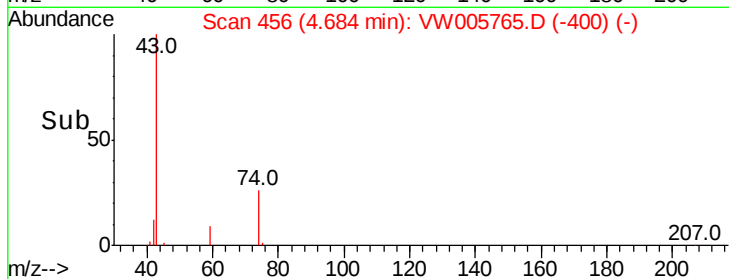
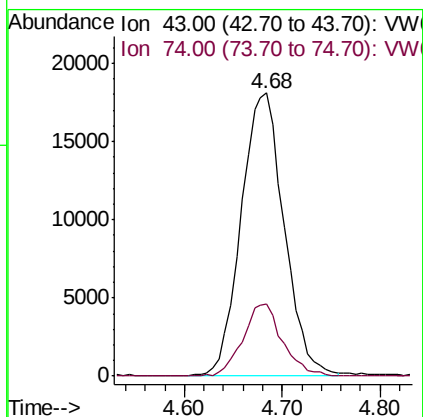
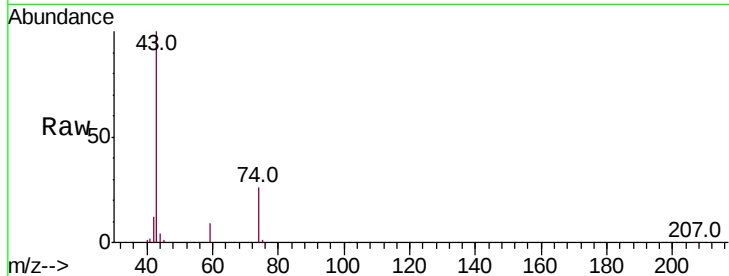




#15
Methvl Acetate
Concen: 27.103 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005765.D
Acq: 02 Oct 2018 05:23

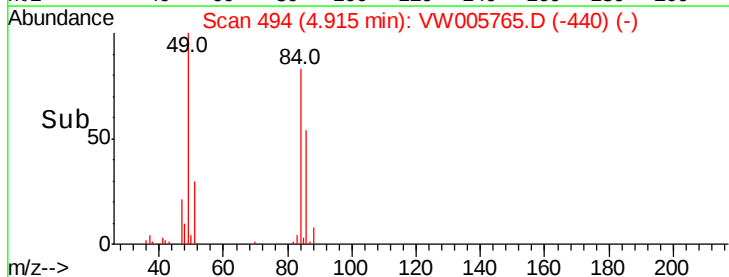
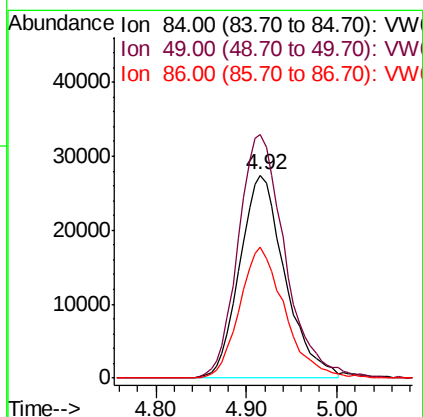
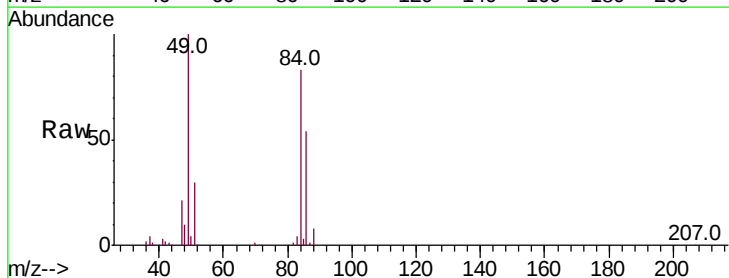
Instrument :
MSVOA_W
ClientSampled :

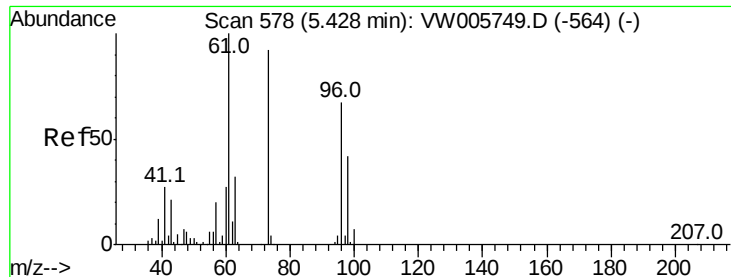
Tot Ion: 43 Resp: 55236
Ion Ratio Lower Upper
43 100
74 23.4 19.5 29.3



#16
Methylene chloride
Concen: 21.352 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW005765.D
Acq: 02 Oct 2018 05:23

Tgt Ion: 84 Resp: 94867
Ion Ratio Lower Upper
84 100
49 119.9 87.2 162.0
86 64.5 43.2 80.2





#17

Methvl tert-butvl Ether

Concen: 23.819 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

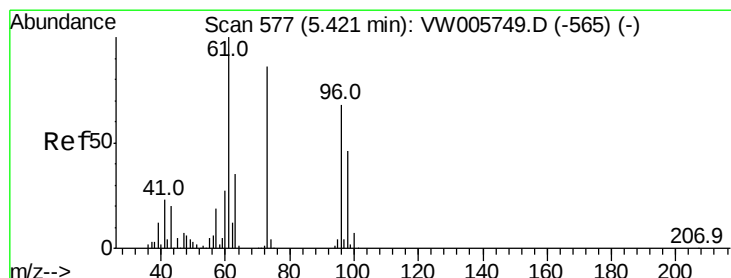
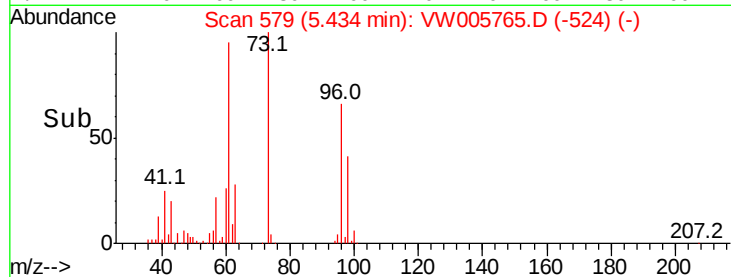
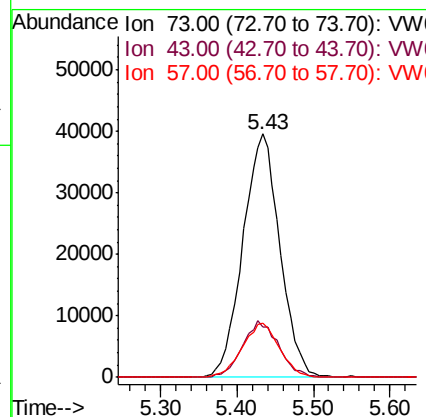
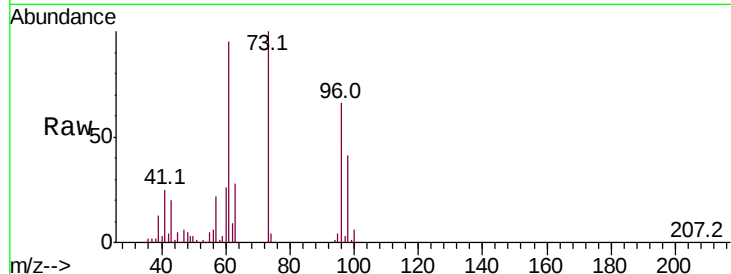
Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 132595

Ion	Ratio	Lower	Upper
73	100		
43	22.7	18.2	27.4
57	22.4	17.5	26.3



#18

trans-1,2-Dichloroethene

Concen: 23.547 ug/L

RT: 5.42 min Scan# 577

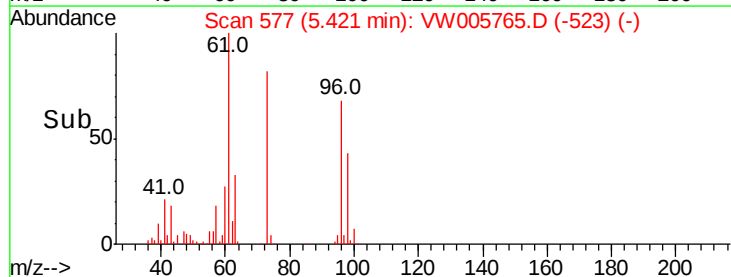
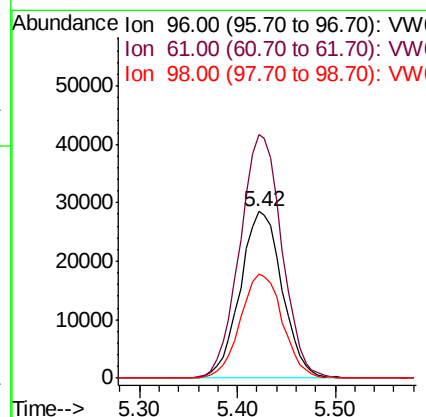
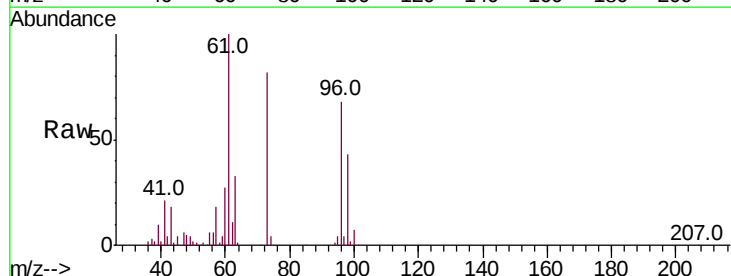
Delta R.T. -0.00 min

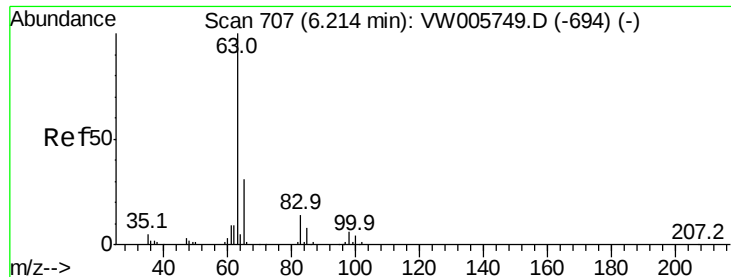
Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Tgt Ion: 96 Resp: 84728

Ion	Ratio	Lower	Upper
96	100		
61	146.5	98.6	183.2
98	62.5	43.7	81.1





#19

1,1-Dichloroethane

Concen: 24.315 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

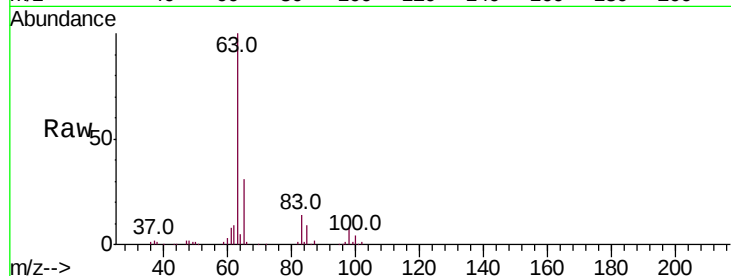
Tot Ion: 63 Resp: 161891

Ion Ratio Lower Upper

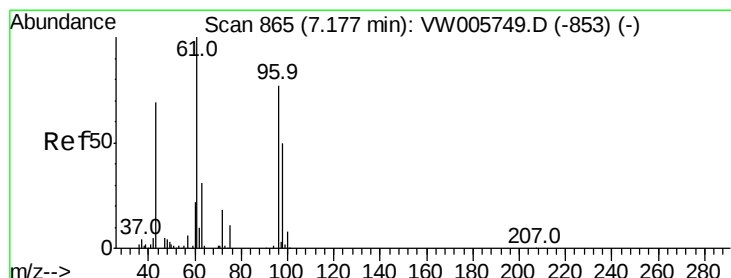
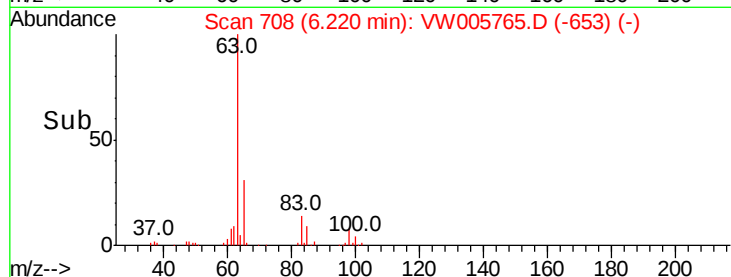
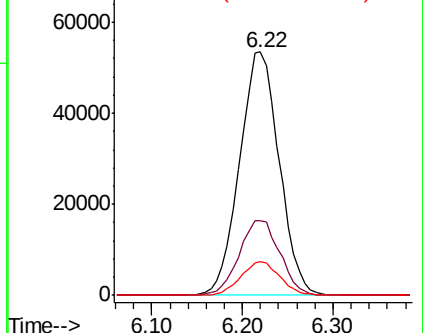
63 100

65 30.8 21.8 40.4

83 14.0 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 53.698 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005765.D

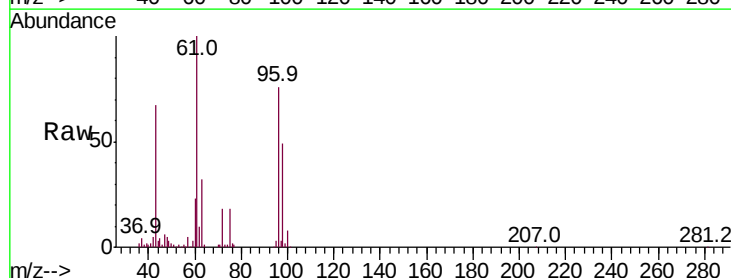
Acq: 02 Oct 2018 05:23

Tgt Ion: 43 Resp: 73851

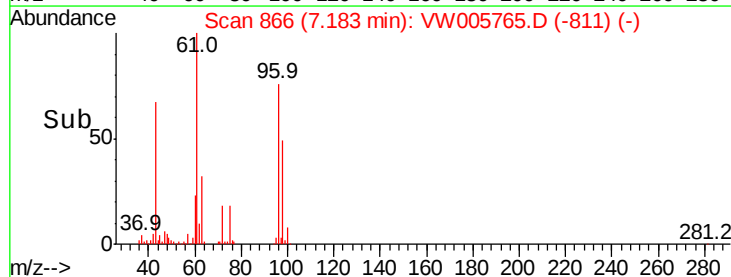
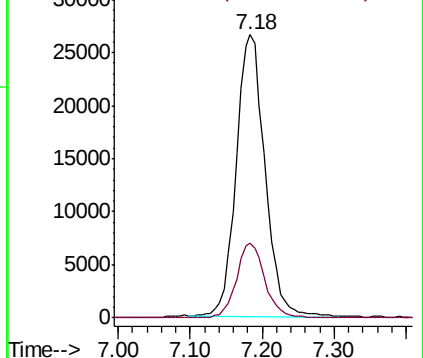
Ion Ratio Lower Upper

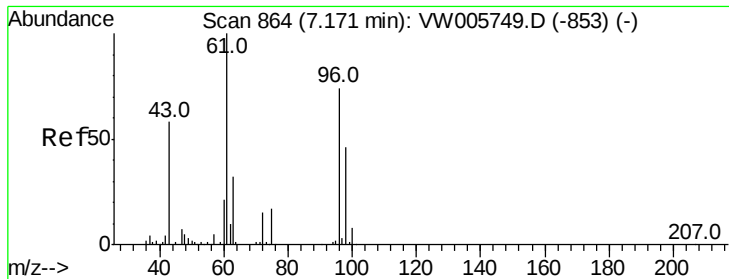
43 100

72 25.8 13.2 39.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



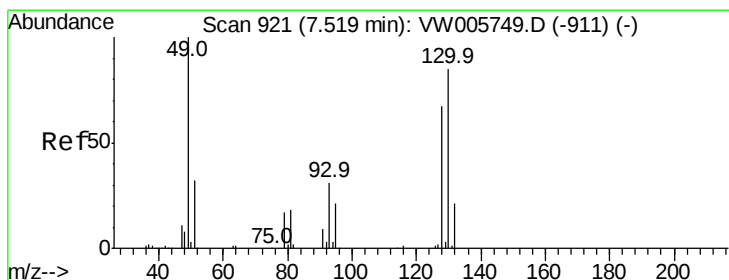
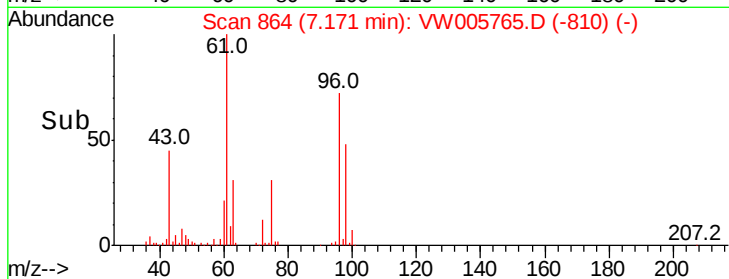
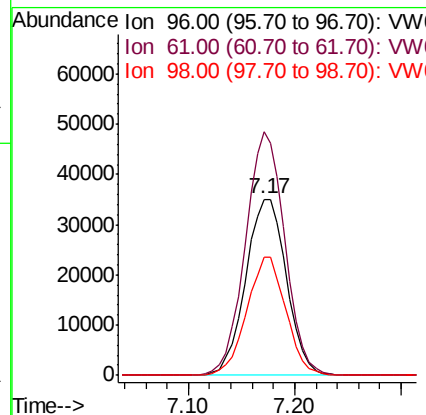
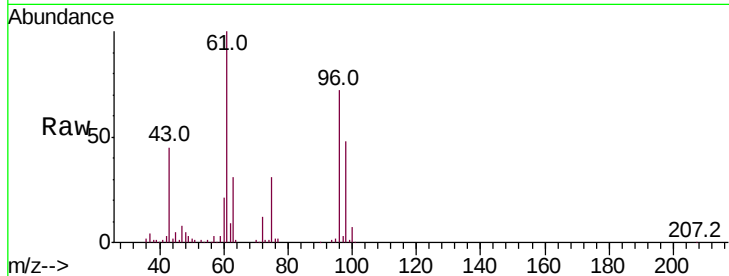


#22

cis-1,2-Dichloroethene
Concen: 24.043 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW005765.D
Acq: 02 Oct 2018 05:23

Instrument :
MSVOA_W
ClientSampleId :

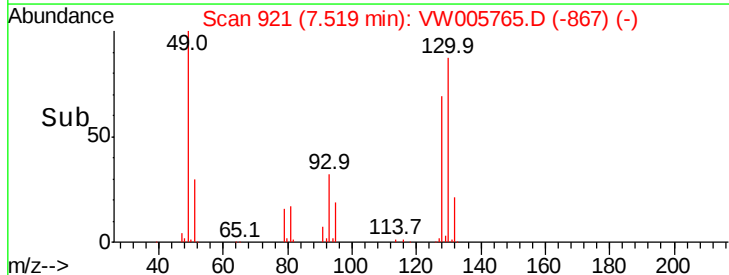
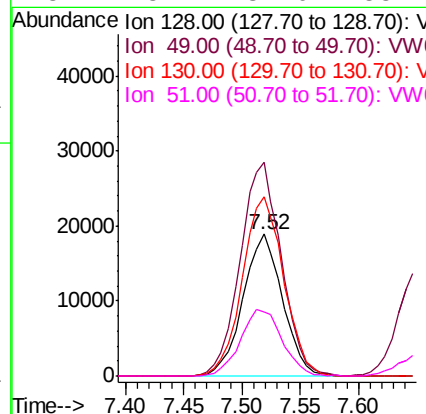
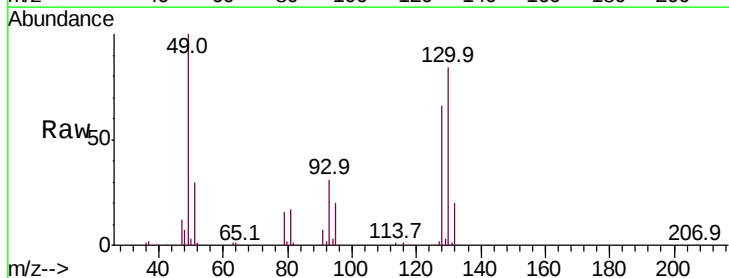
Tot Ion	96	Resp	94036
Ion	Ratio	Lower	Upper
96	100		
61	138.3	95.7	177.7
98	67.0	44.1	81.9

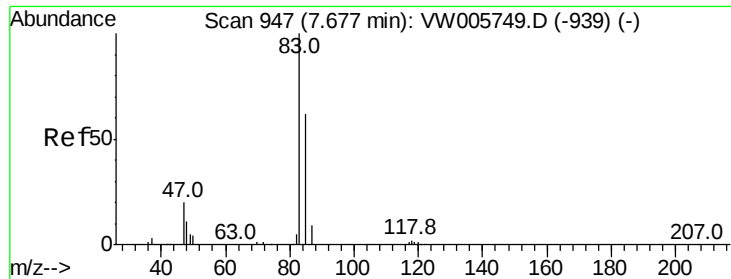


#23

Bromochloromethane
Concen: 24.568 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW005765.D
Acq: 02 Oct 2018 05:23

Tgt Ion	128	Resp	44597
Ion	Ratio	Lower	Upper
128	100		
49	150.5	108.1	200.7
130	126.0	89.3	165.9
51	45.4	37.0	55.4





#25

Chloroform

Concen: 24.544 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

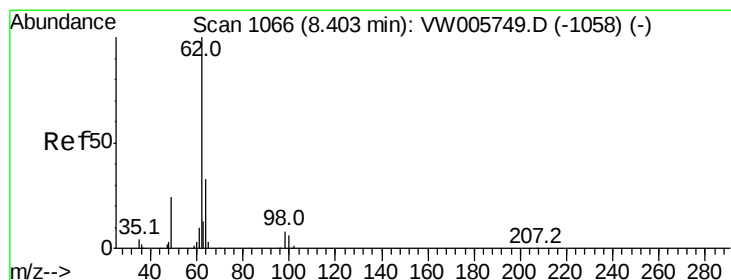
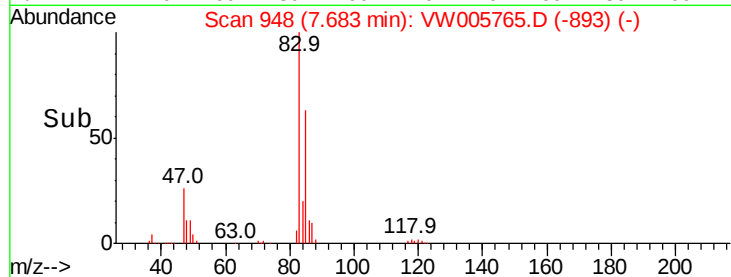
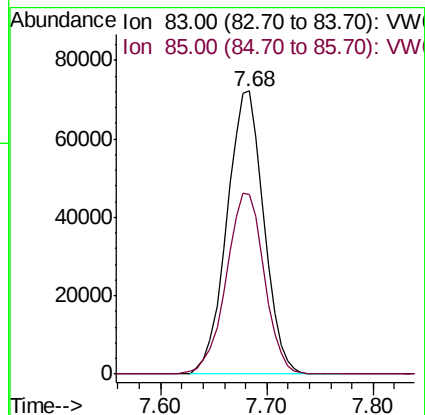
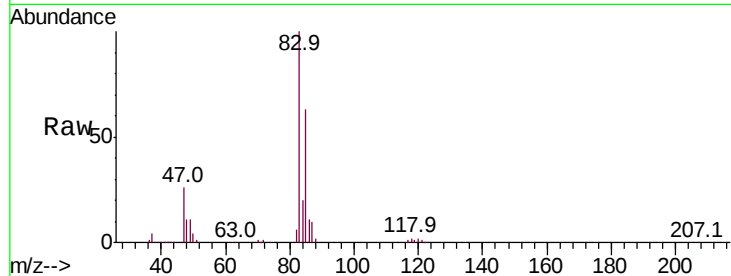
ClientSampled :

Tot Ion: 83 Resp: 174844

Ion Ratio Lower Upper

83 100

85 66.0 46.0 85.4



#27

1,2-Dichloroethane

Concen: 24.741 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW005765.D

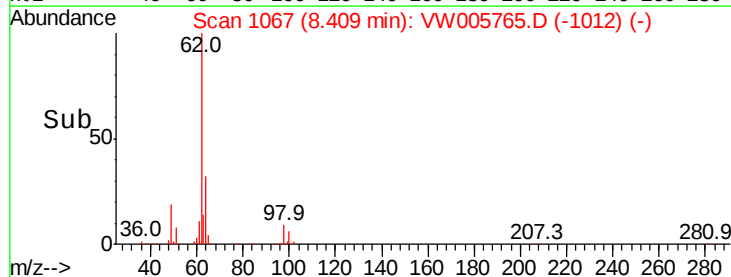
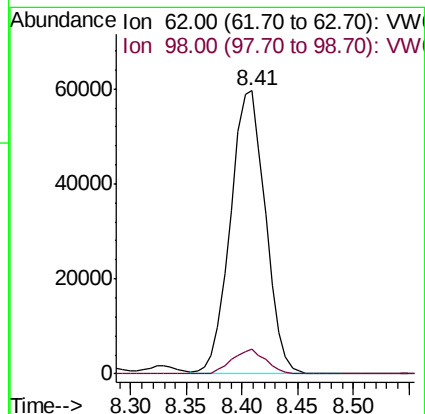
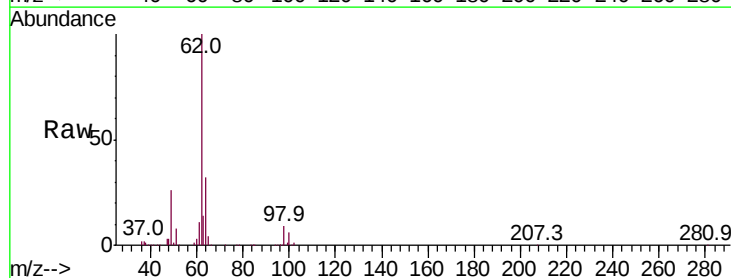
Acq: 02 Oct 2018 05:23

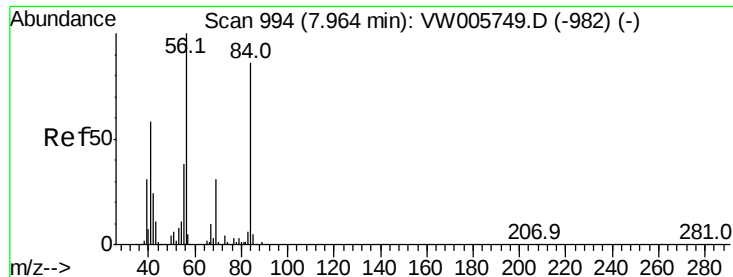
Tgt Ion: 62 Resp: 129763

Ion Ratio Lower Upper

62 100

98 8.6 6.2 9.2

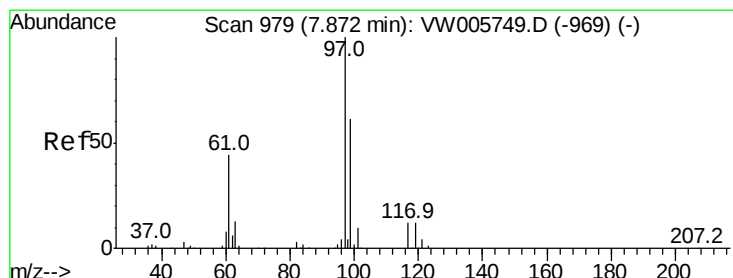
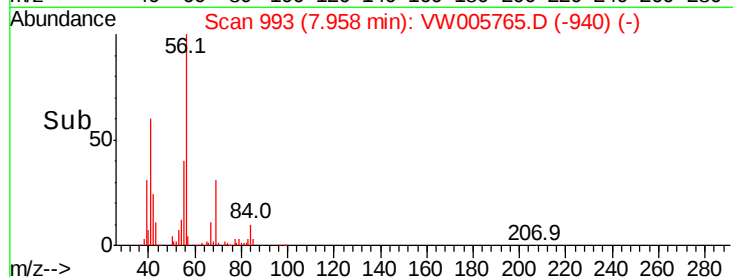
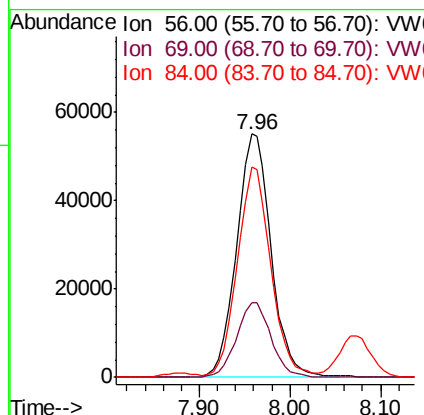
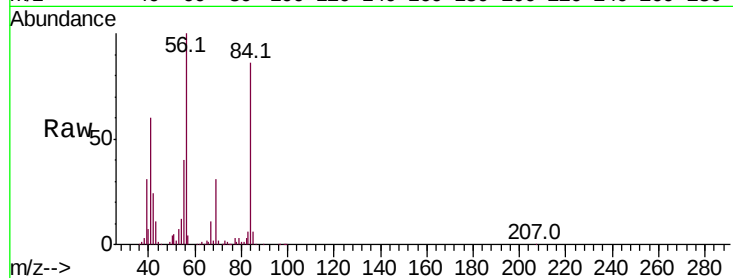




#30
Cyclohexane
Concen: 25.014 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005765.D
Acq: 02 Oct 2018 05:23

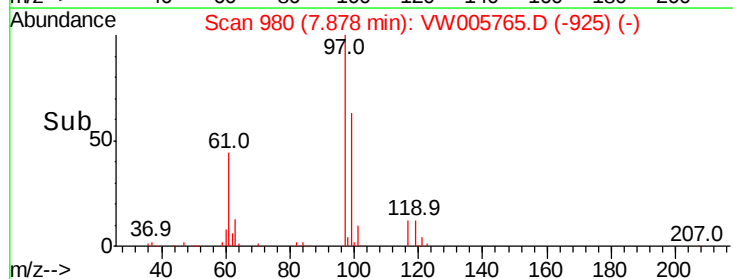
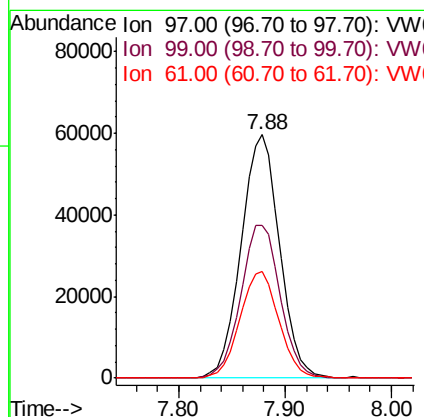
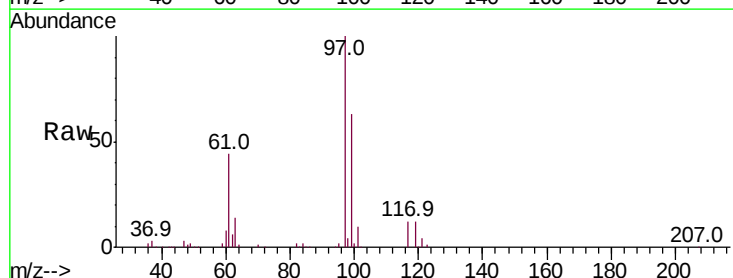
Instrument :
MSVOA_W
ClientSampled :

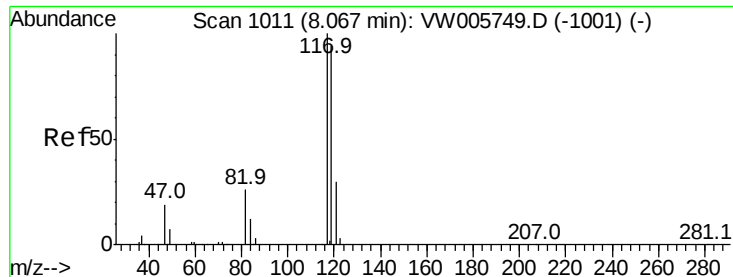
Tot Ion: 56 Resp: 145122
Ion Ratio Lower Upper
56 100
69 30.5 25.0 37.6
84 84.1 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 24.153 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW005765.D
Acq: 02 Oct 2018 05:23

Tgt Ion: 97 Resp: 151401
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.8
61 44.3 35.4 53.2





#32

Carbon tetrachloride

Concen: 24.076 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

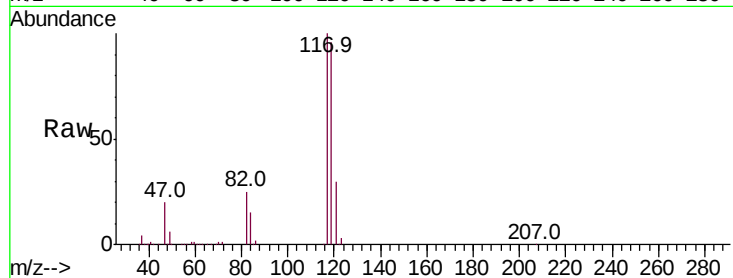
ClientSampleId :

Tot Ion:117 Resp: 146970

Ion Ratio Lower Upper

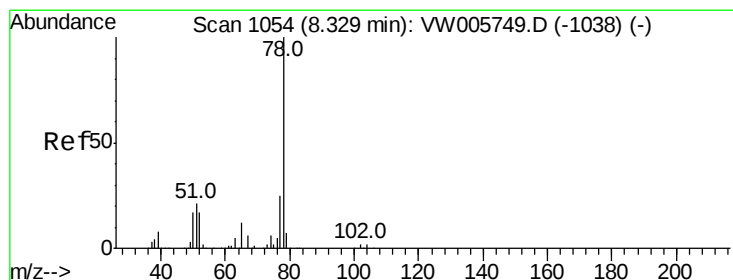
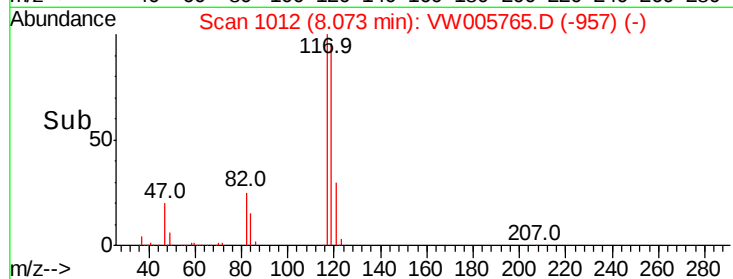
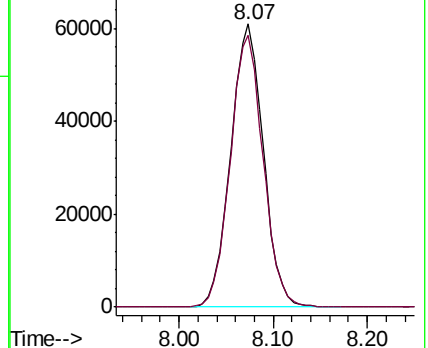
117 100

119 96.6 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.335 ug/L

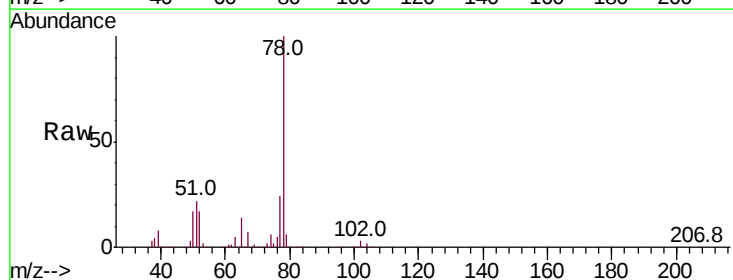
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

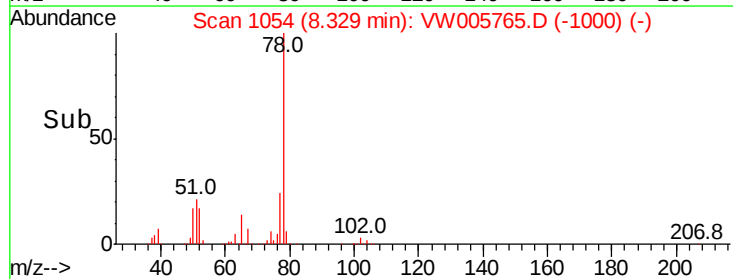
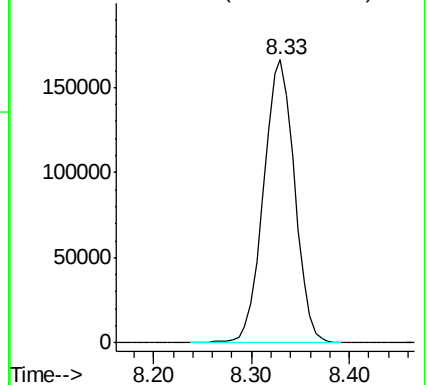
Lab File: VW005765.D

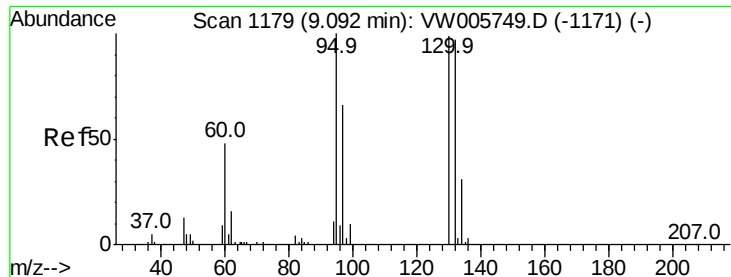
Acq: 02 Oct 2018 05:23

Tgt Ion: 78 Resp: 366432



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.695 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 95554

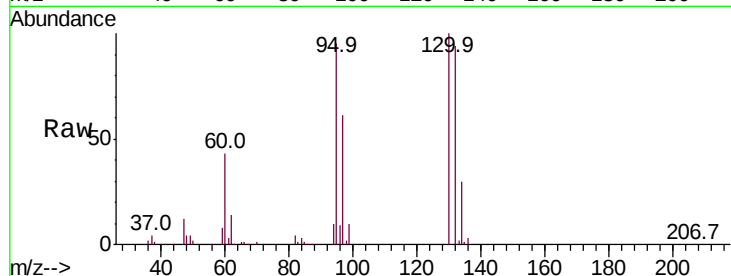
Ion Ratio Lower Upper

95 100

97 65.0 45.2 84.0

132 98.4 68.0 126.4

130 102.3 71.3 132.5

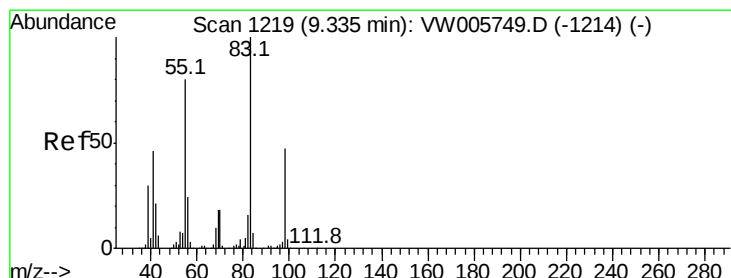
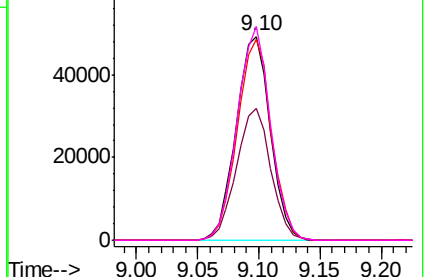
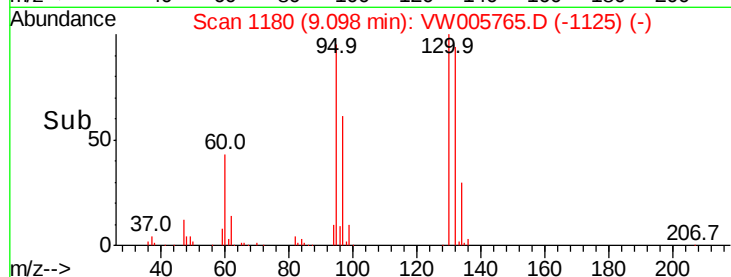


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.729 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

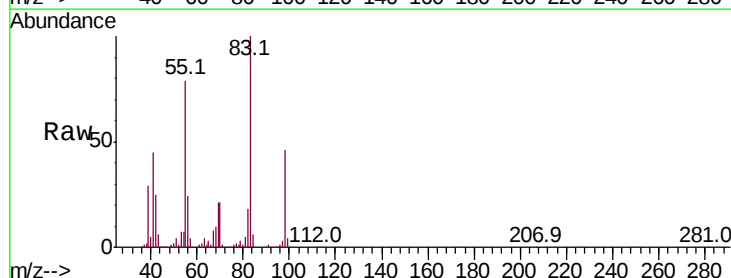
Tgt Ion: 83 Resp: 166390

Ion Ratio Lower Upper

83 100

55 80.8 62.5 93.7

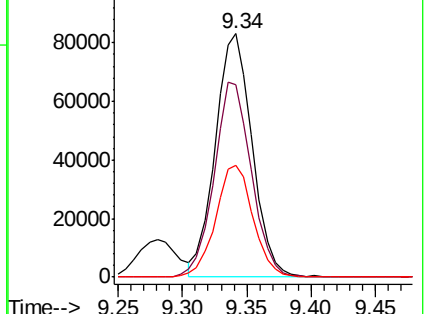
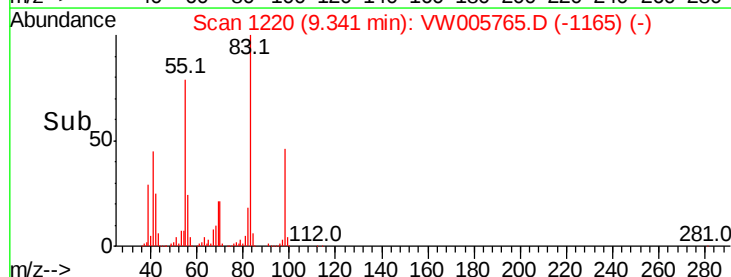
98 46.7 37.7 56.5

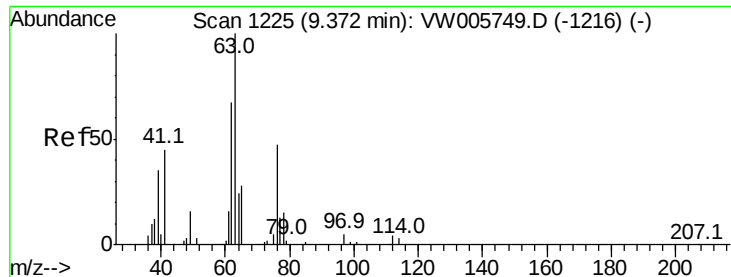


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 26.412 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

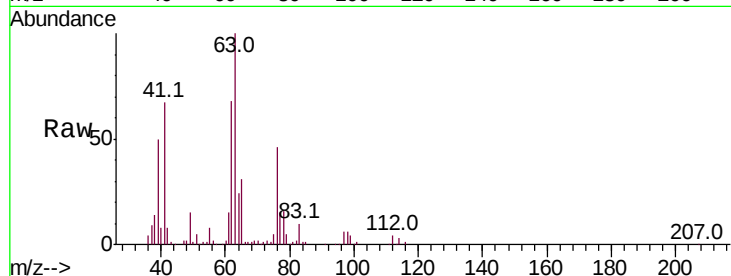
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 93097

Ion Ratio Lower Upper

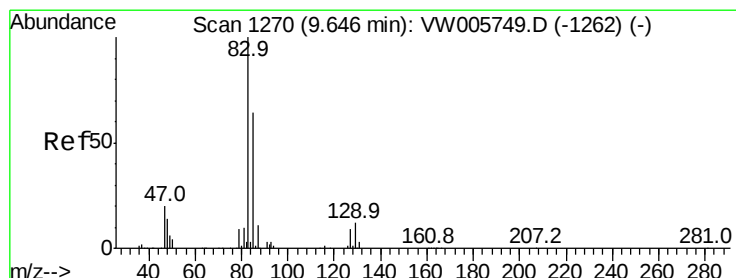
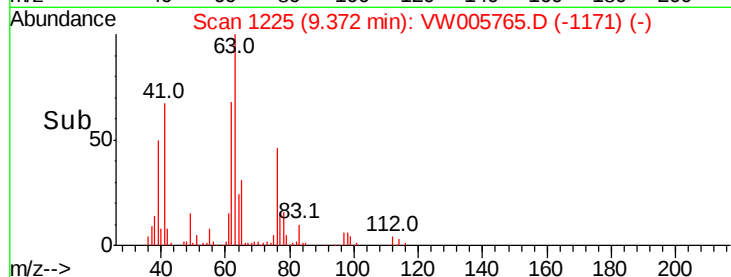
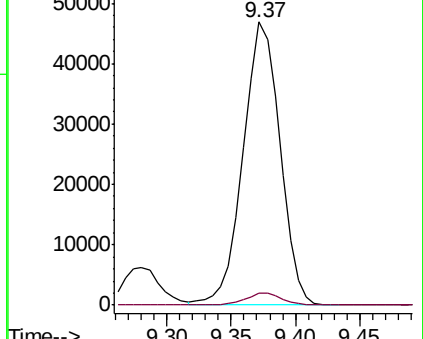
63 100

112 4.3 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.376 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

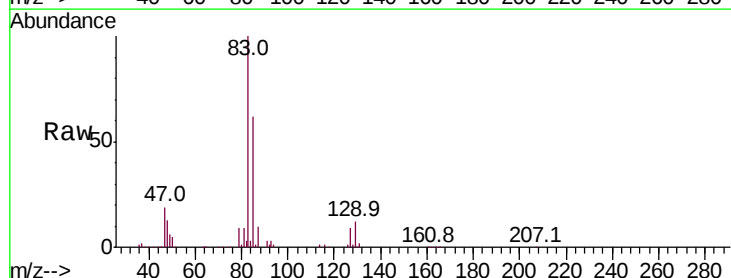
Tgt Ion: 83 Resp: 125757

Ion Ratio Lower Upper

83 100

85 62.4 44.1 81.9

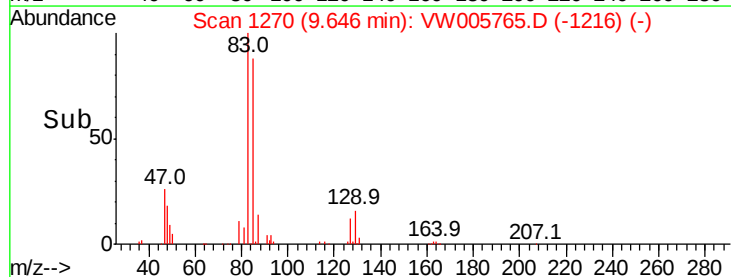
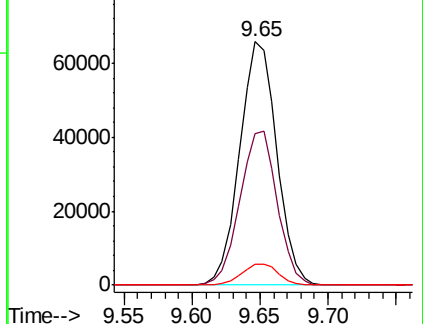
127 8.8 7.5 11.3

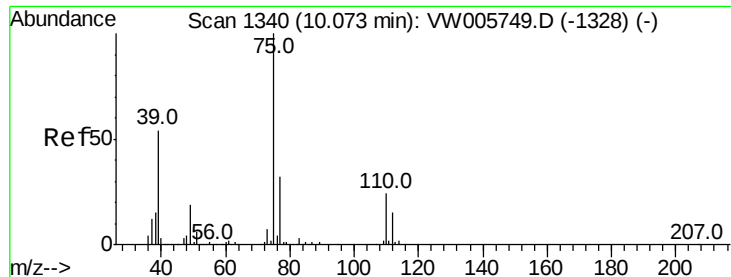


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

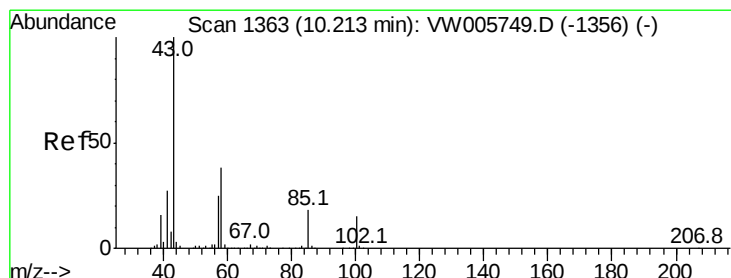
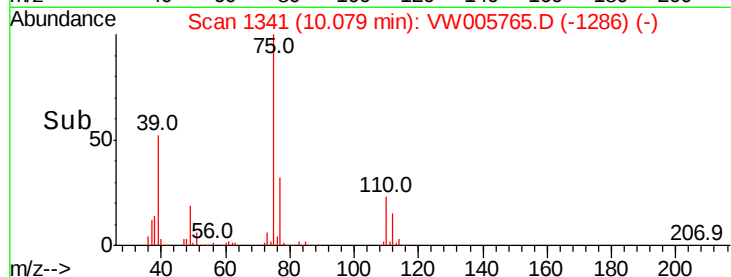
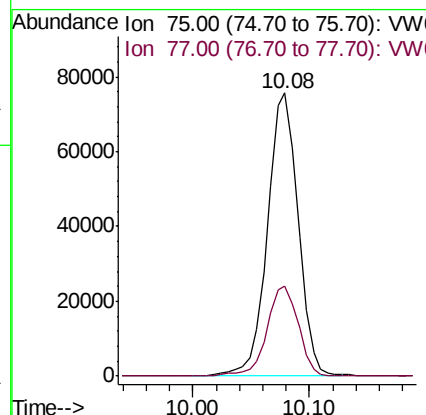
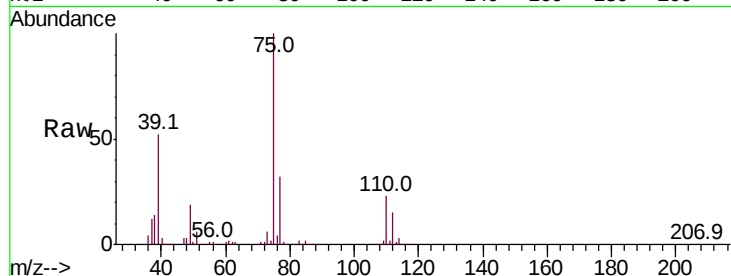




#42
 cis-1,3-Dichloropropene
 Concen: 23.682 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW005765.D
 Acq: 02 Oct 2018 05:23

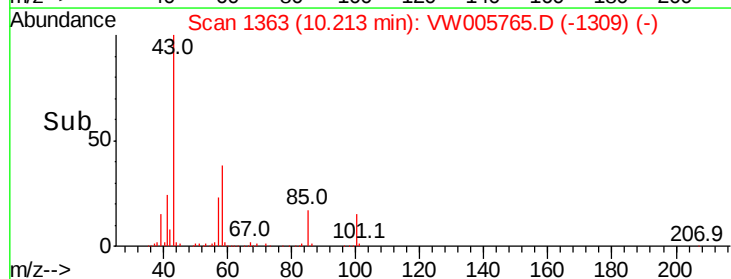
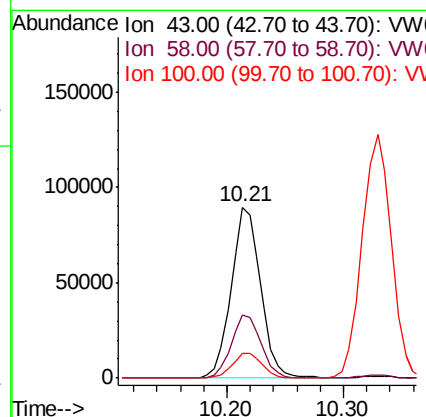
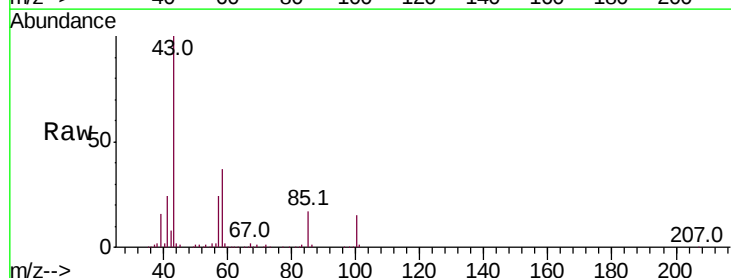
Instrument :
 MSVOA_W
 ClientSampleId :

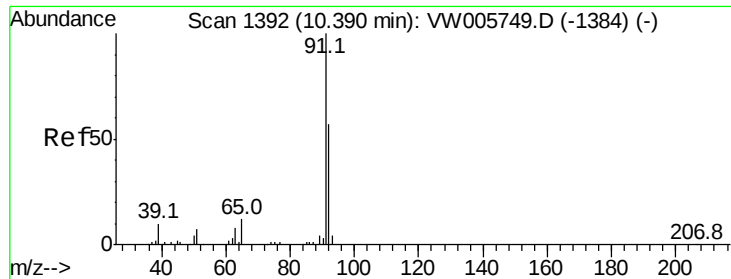
Tot Ion: 75 Resp: 137854
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 54.358 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005765.D
 Acq: 02 Oct 2018 05:23

Tgt Ion: 43 Resp: 156361
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.8 44.8
 100 15.0 12.2 18.4





#44

Toluene

Concen: 24.676 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

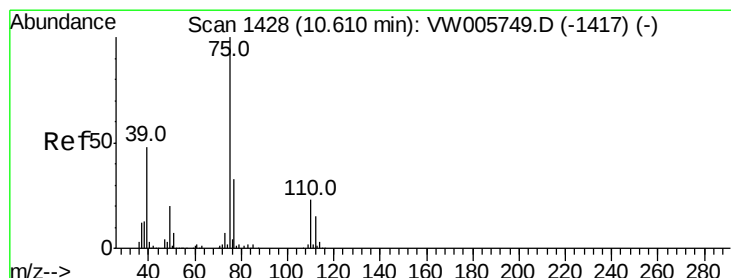
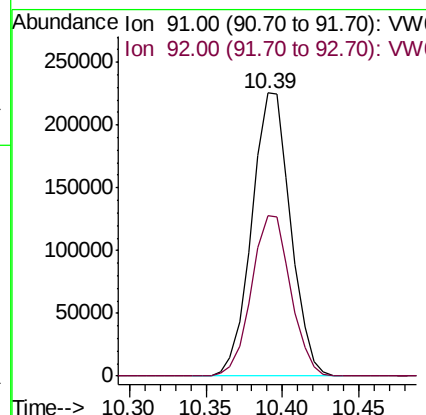
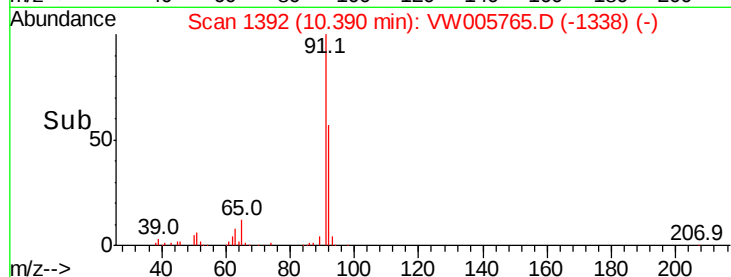
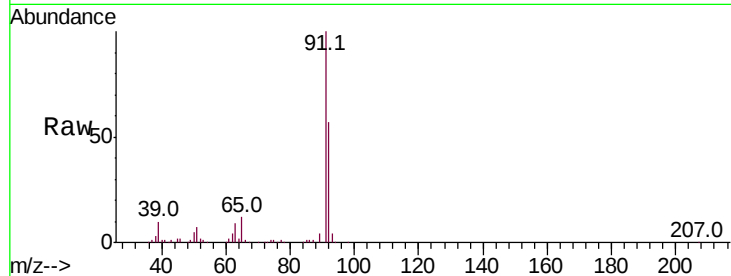
ClientSampleId :

Tot Ion: 91 Resp: 398840

Ion Ratio Lower Upper

91 100

92 56.9 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 23.971 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005765.D

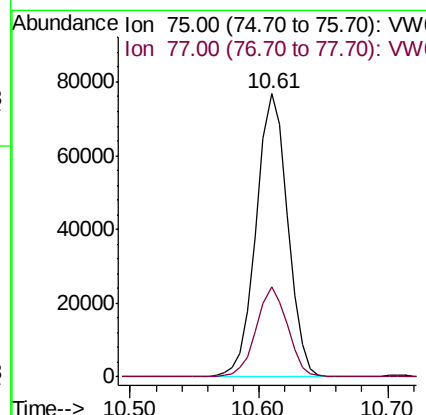
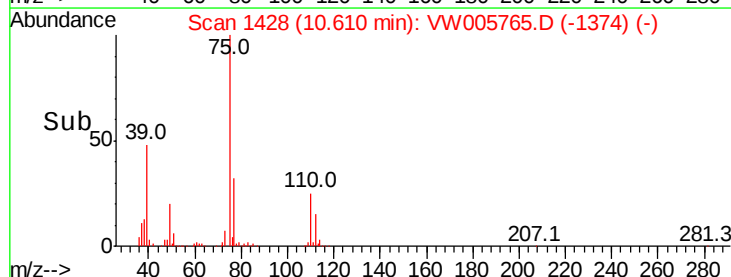
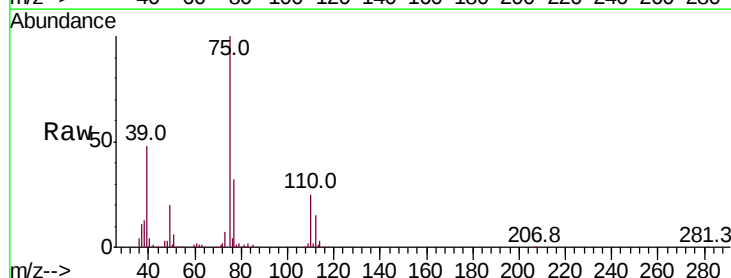
Acq: 02 Oct 2018 05:23

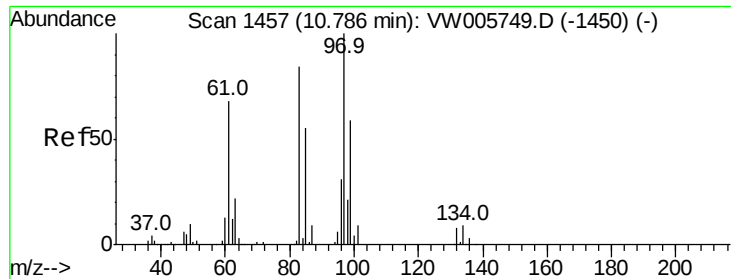
Tgt Ion: 75 Resp: 129925

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1

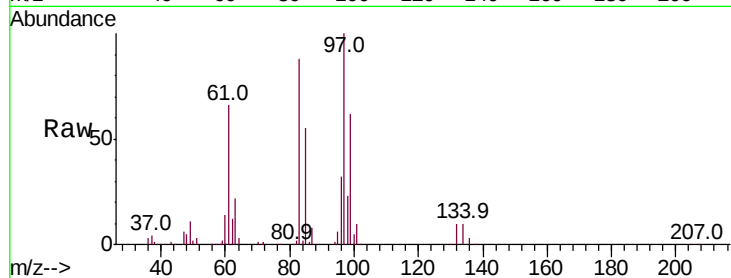




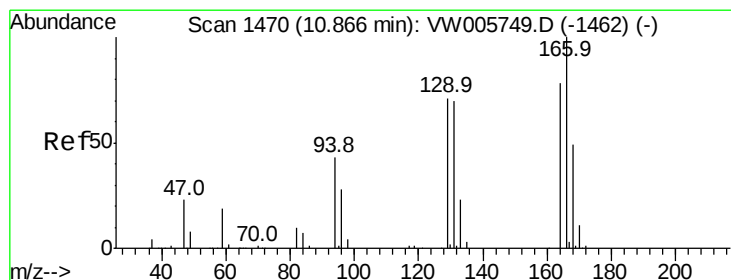
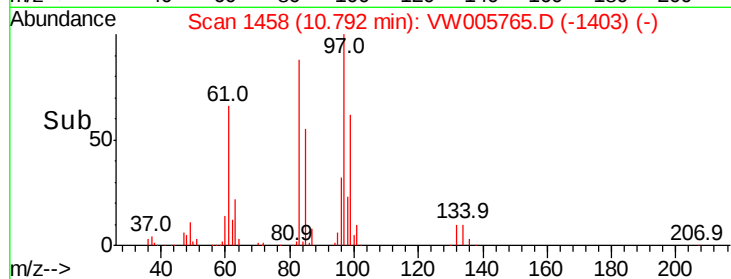
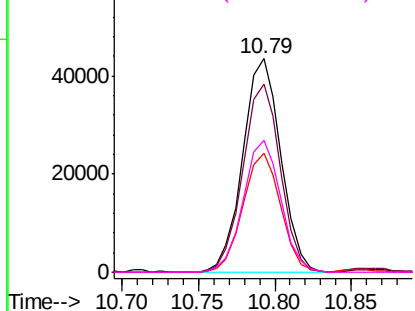
#46
1,1,2-Trichloroethane
Concen: 25.611 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW005765.D
Acq: 02 Oct 2018 05:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 97 Resp: 75329
Ion Ratio Lower Upper
97 100
83 87.9 58.3 108.3
85 55.5 38.0 70.6
99 61.7 42.8 79.4

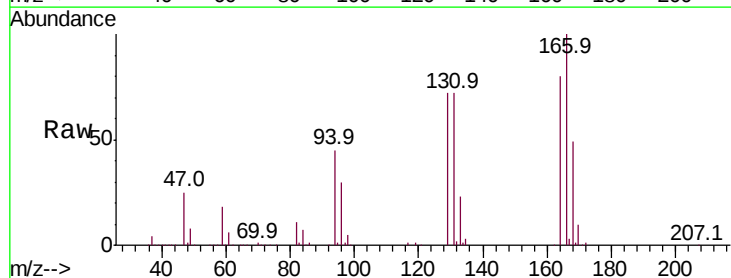


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

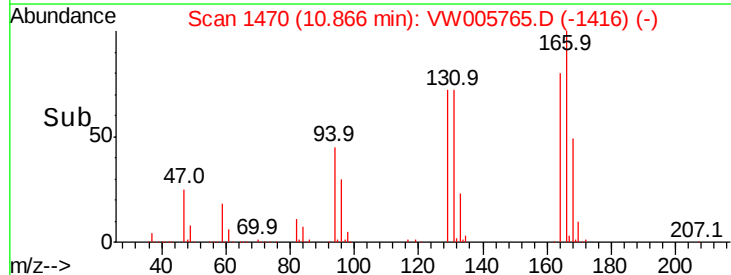
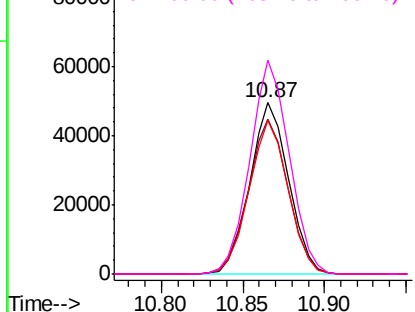


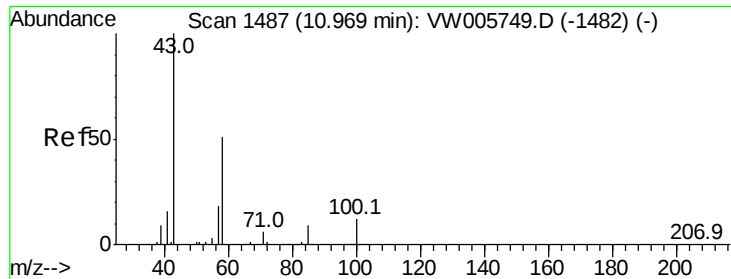
#47
Tetrachloroethene
Concen: 24.061 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005765.D
Acq: 02 Oct 2018 05:23

Tgt Ion:164 Resp: 82025
Ion Ratio Lower Upper
164 100
129 90.5 63.8 118.4
131 90.1 61.5 114.3
166 124.9 83.2 154.6



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 57.064 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 115220

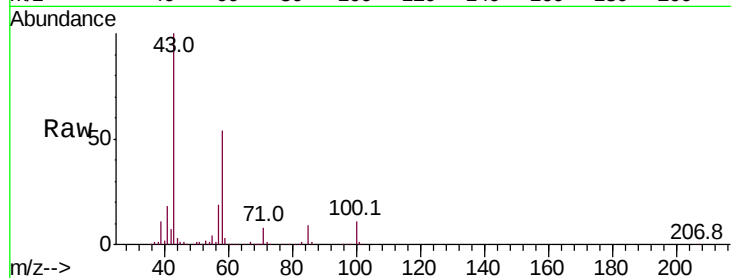
Ion Ratio Lower Upper

43 100

58 52.6 42.0 63.0

57 19.2 15.7 23.5

100 11.5 9.7 14.5

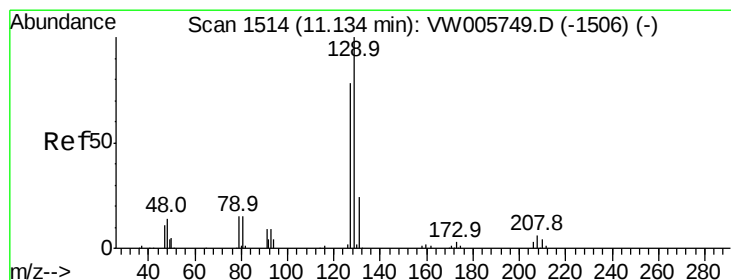
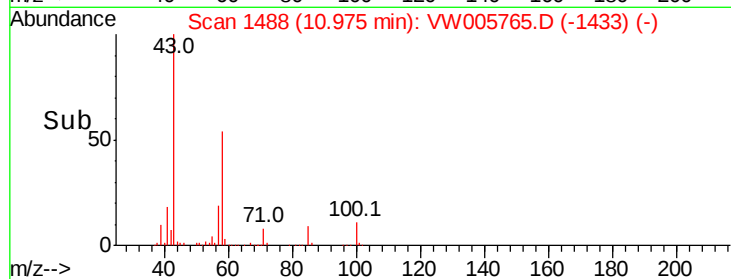
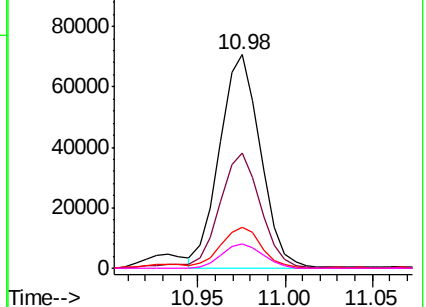


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.357 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VW005765.D

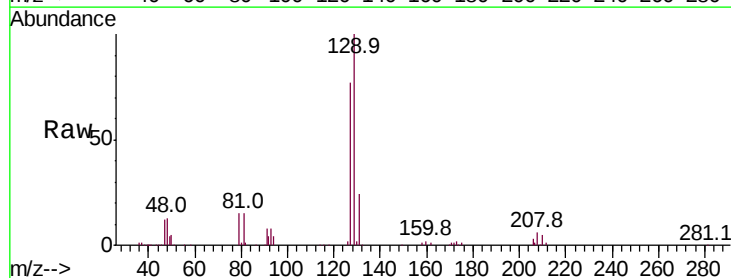
Acq: 02 Oct 2018 05:23

Tgt Ion:129 Resp: 93537

Ion Ratio Lower Upper

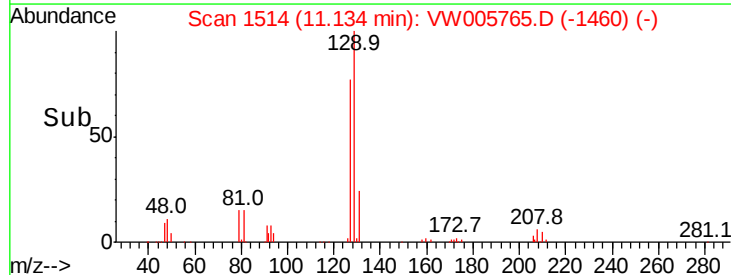
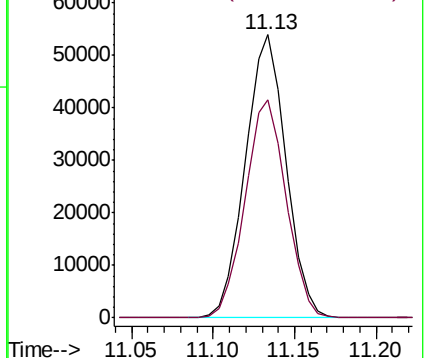
129 100

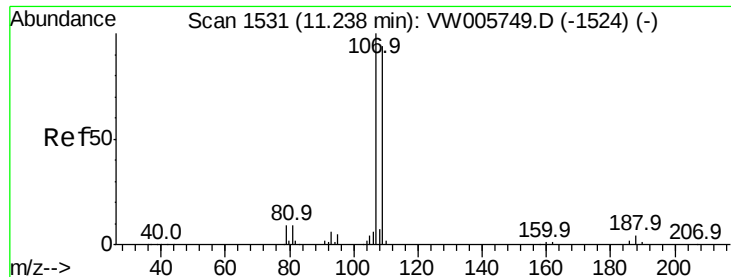
127 76.8 51.7 95.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

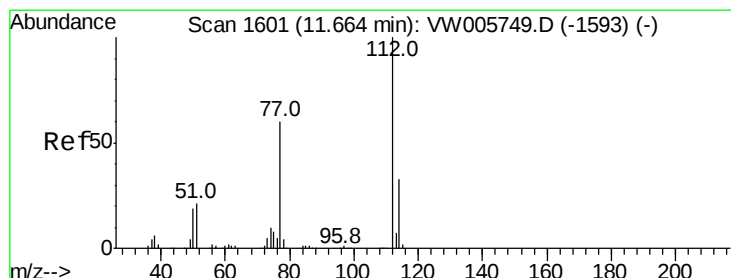
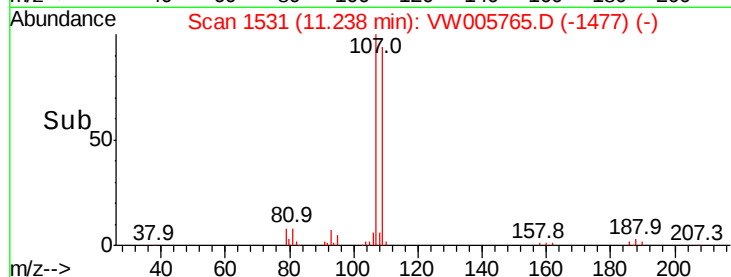
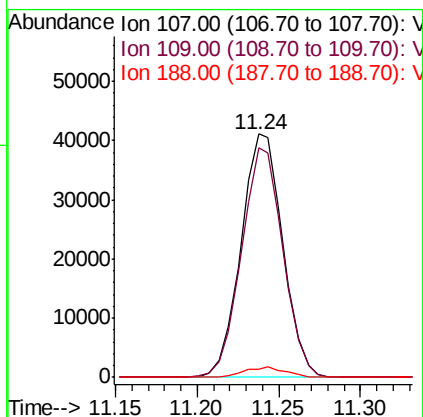
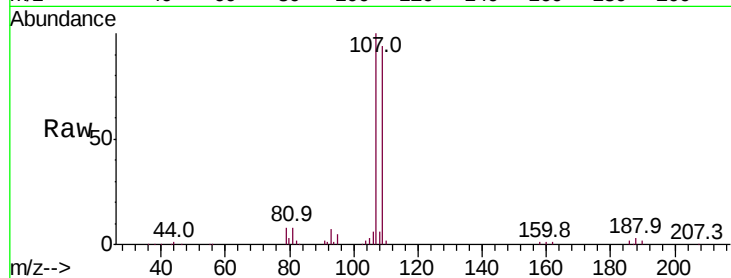




#51
 1,2-Dibromoethane
 Concen: 25.627 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005765.D
 Acq: 02 Oct 2018 05:23

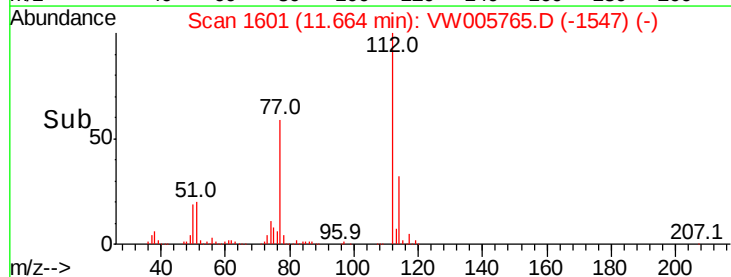
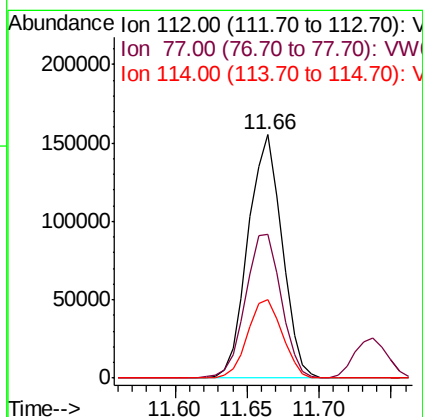
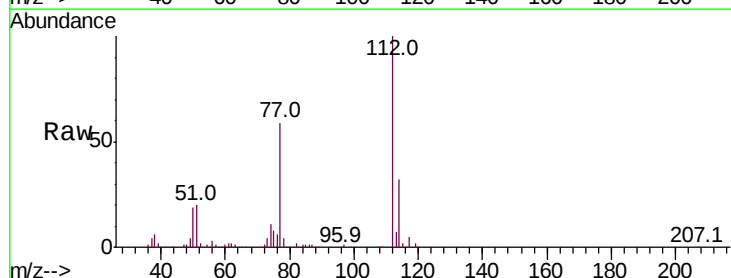
Instrument :
 MSVOA_W
 ClientSampled :

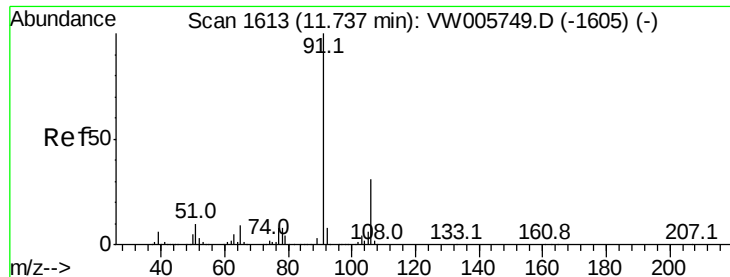
Tot Ion:107 Resp: 72874
 Ion Ratio Lower Upper
 107 100
 109 94.5 70.1 130.3
 188 3.5 3.4 5.2



#52
 Chlorobenzene
 Concen: 23.828 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: VW005765.D
 Acq: 02 Oct 2018 05:23

Tgt Ion:112 Resp: 253362
 Ion Ratio Lower Upper
 112 100
 77 58.8 46.7 70.1
 114 32.3 21.8 40.6





#53

Ethylbenzene

Concen: 24.666 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

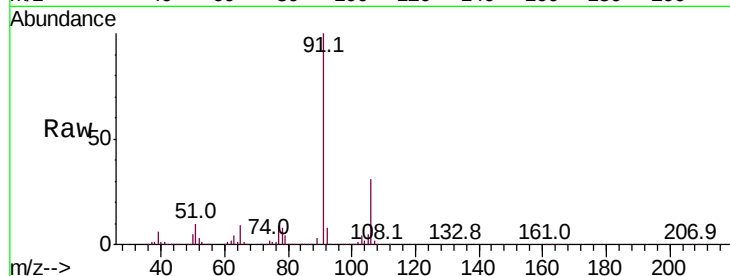
ClientSampleId :

Tot Ion: 91 Resp: 456474

Ion Ratio Lower Upper

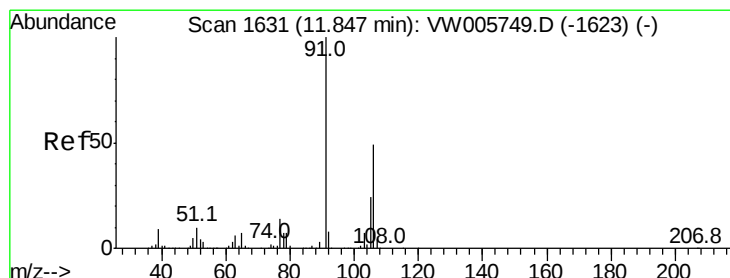
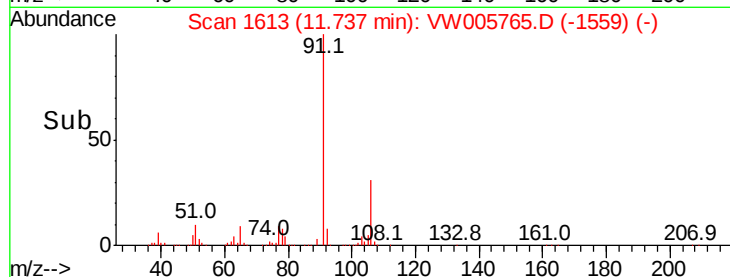
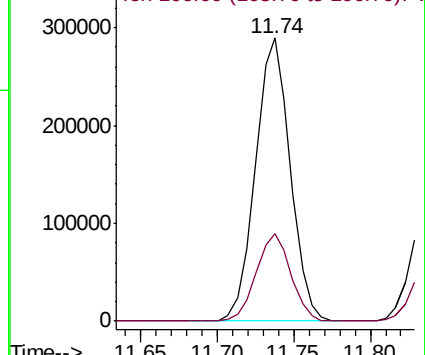
91 100

106 31.1 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.630 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005765.D

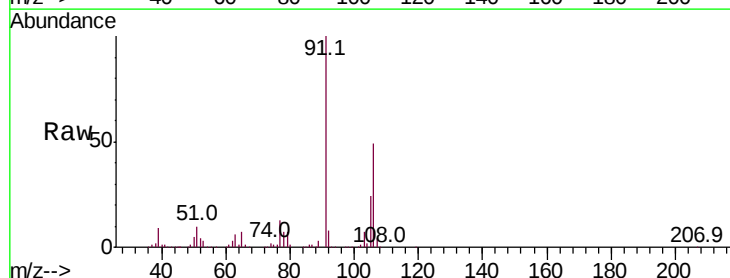
Acq: 02 Oct 2018 05:23

Tgt Ion:106 Resp: 171724

Ion Ratio Lower Upper

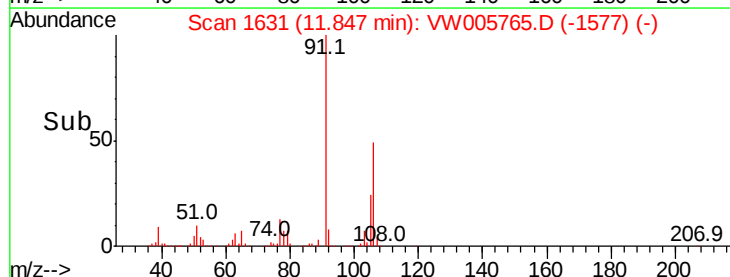
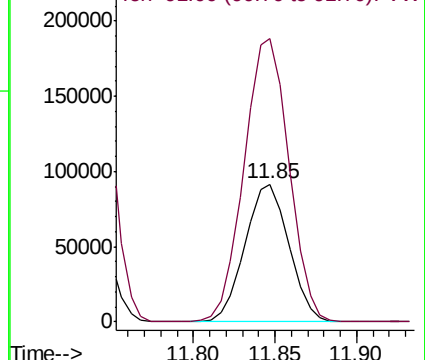
106 100

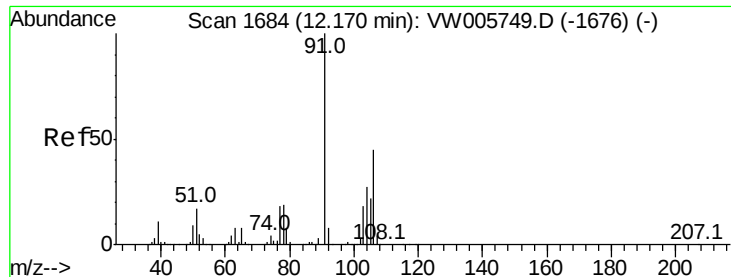
91 205.7 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 24.781 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

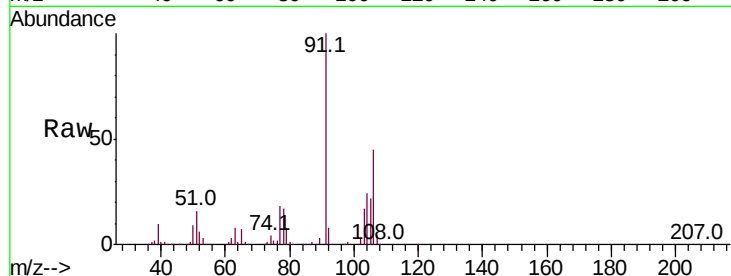
ClientSampled :

Tot Ion:106 Resp: 162848

Ion Ratio Lower Upper

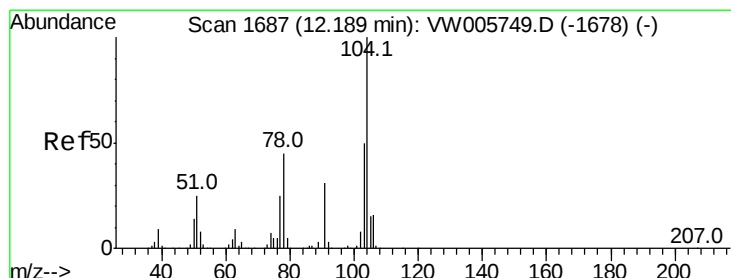
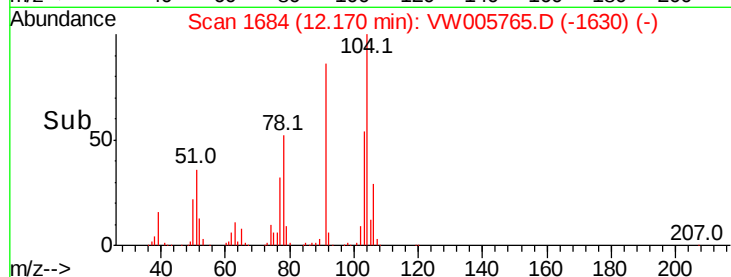
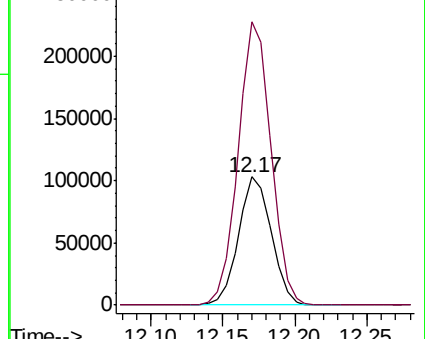
106 100

91 220.9 156.5 290.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.421 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VW005765.D

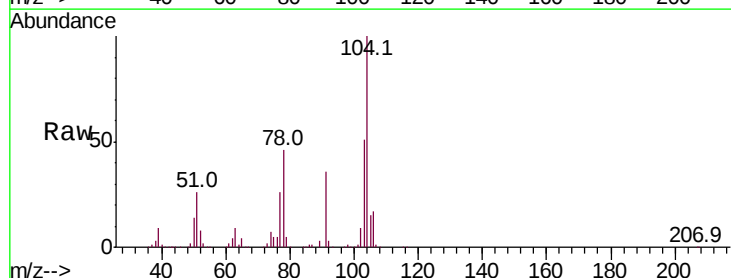
Acq: 02 Oct 2018 05:23

Tgt Ion:104 Resp: 293172

Ion Ratio Lower Upper

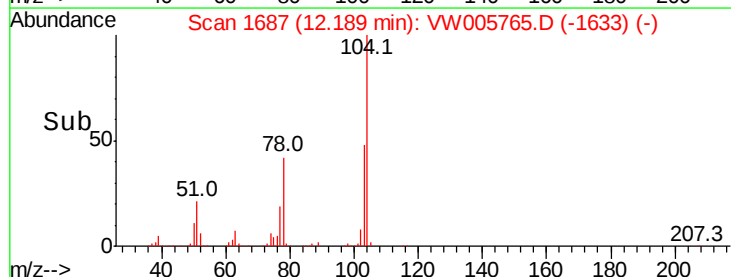
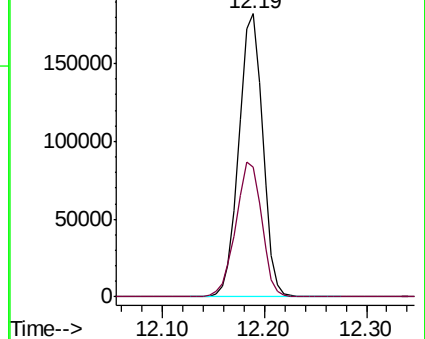
104 100

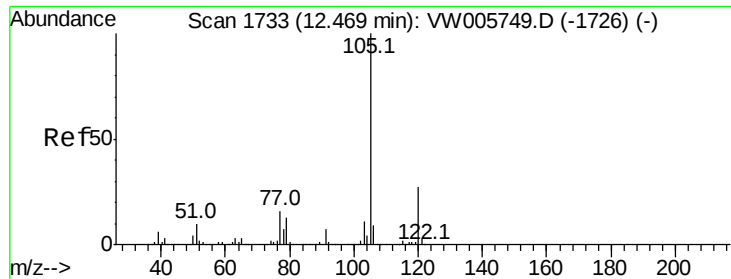
78 45.6 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.810 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

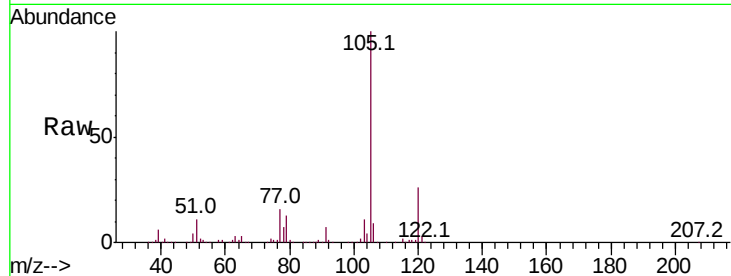
Tot Ion:105 Resp: 465689

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

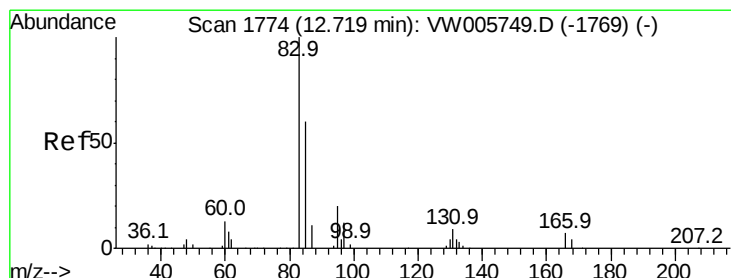
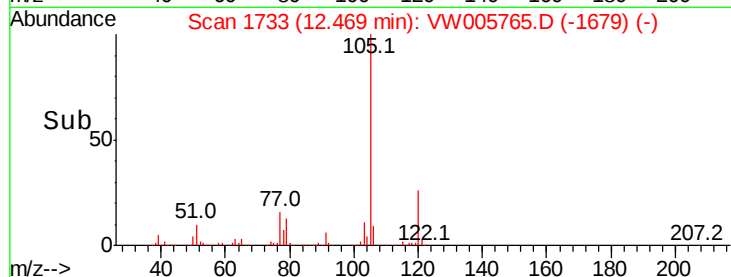
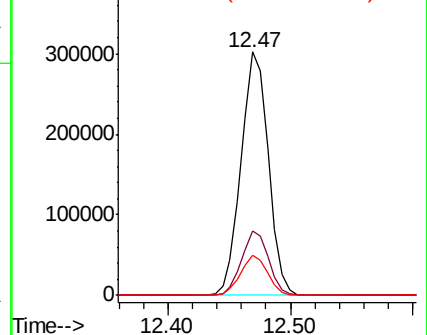
77 16.2 13.0 19.6



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: 27.240 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

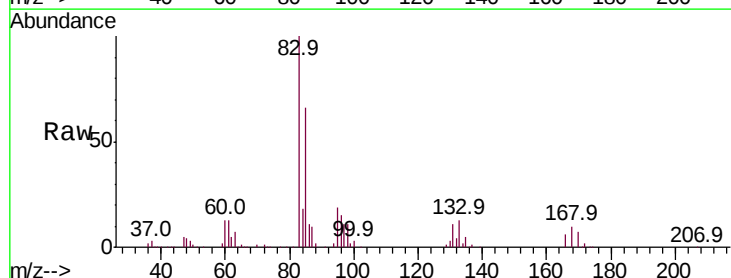
Tgt Ion: 83 Resp: 102208

Ion Ratio Lower Upper

83 100

85 65.5 43.0 80.0

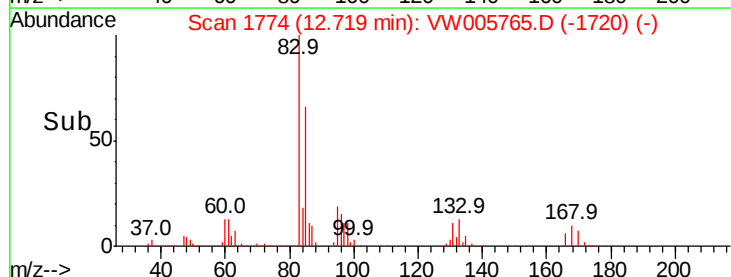
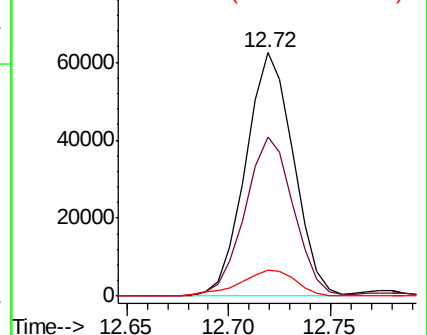
131 10.7 8.0 12.0

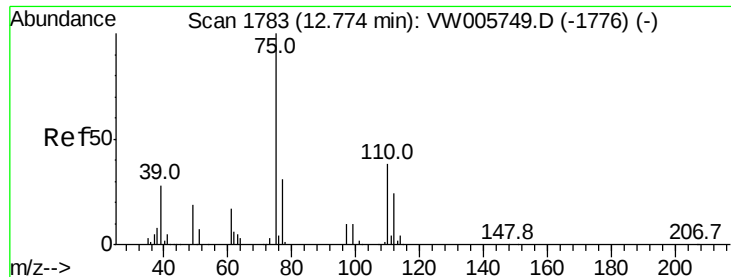


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.222 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

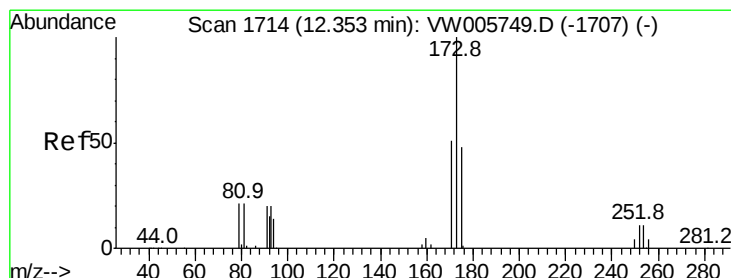
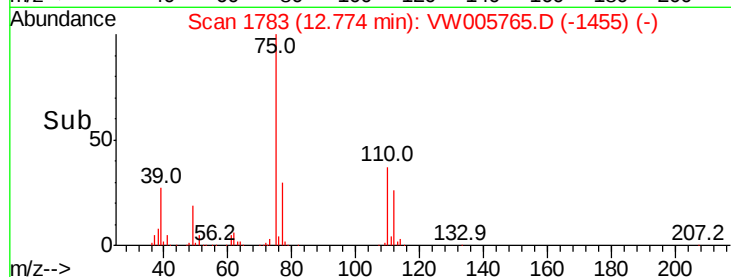
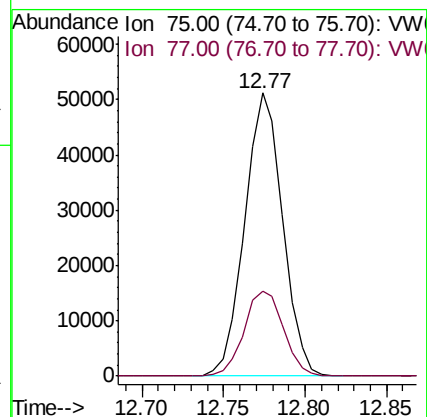
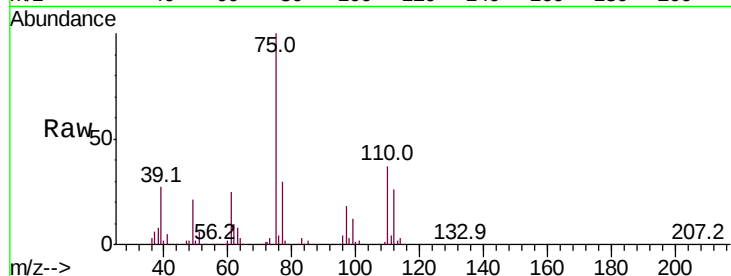
ClientSampled :

Tot Ion: 75 Resp: 82913

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



#62

Bromoform

Concen: 26.556 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

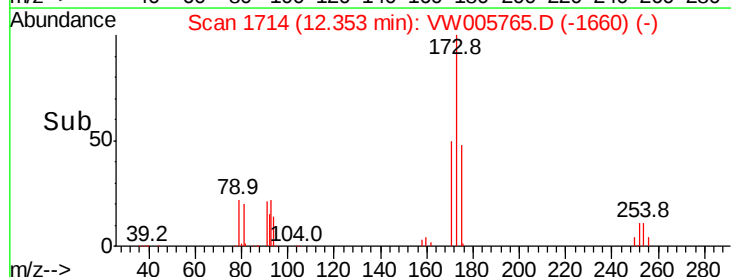
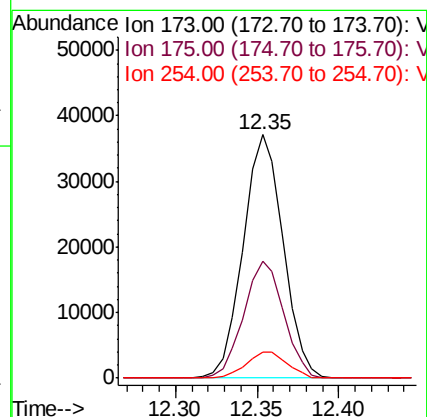
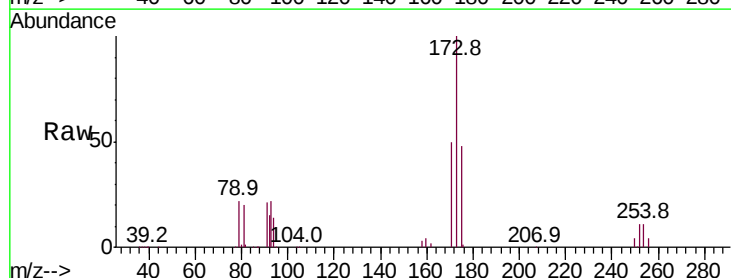
Tgt Ion: 173 Resp: 63311

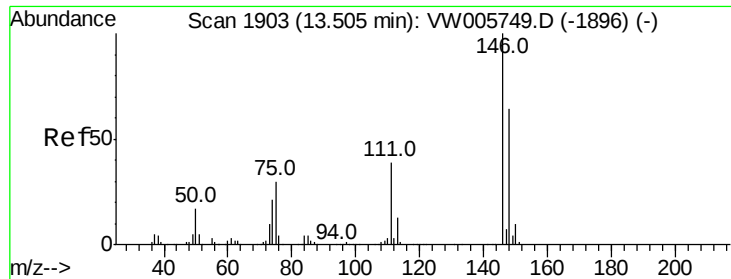
Ion Ratio Lower Upper

173 100

175 48.2 40.0 60.0

254 10.8 8.6 13.0

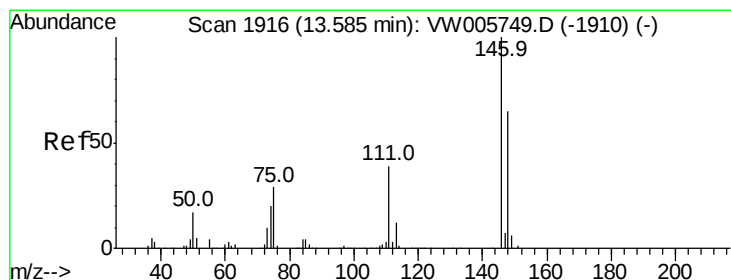
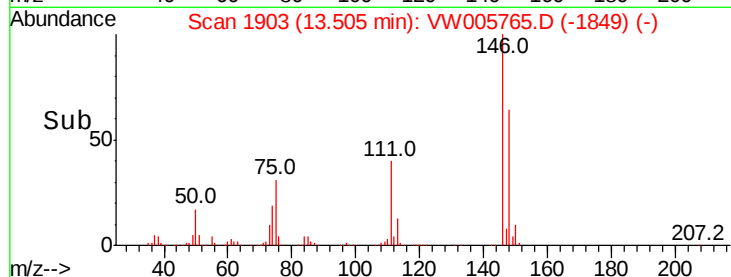
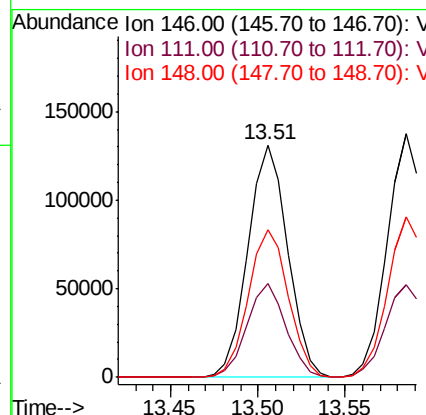
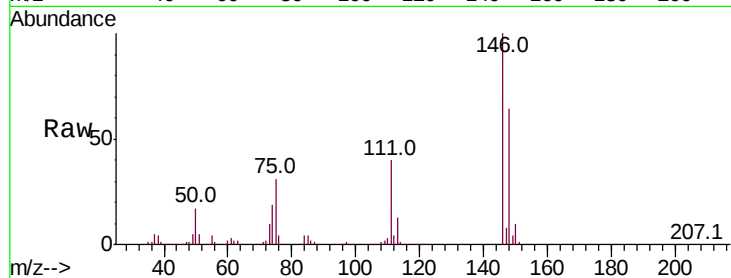




#63
 1,3-Dichlorobenzene
 Concen: 24.311 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005765.D
 Acq: 02 Oct 2018 05:23

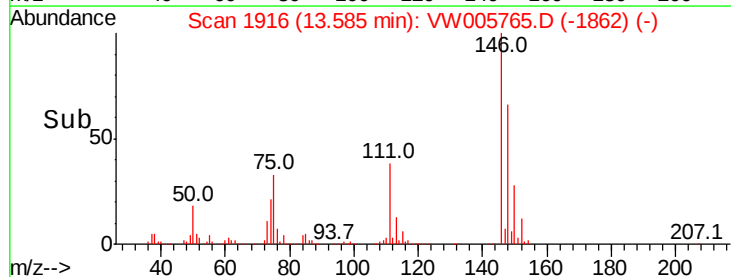
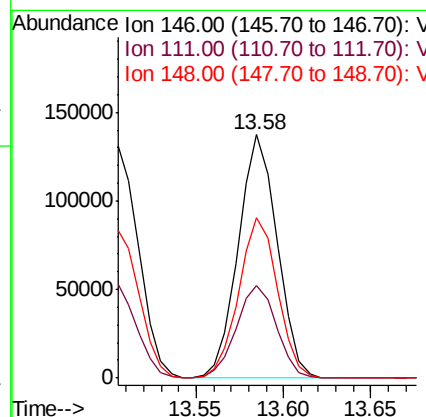
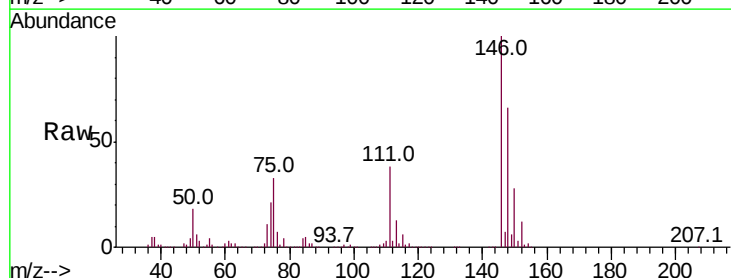
Instrument :
 MSVOA_W
 ClientSampleId :

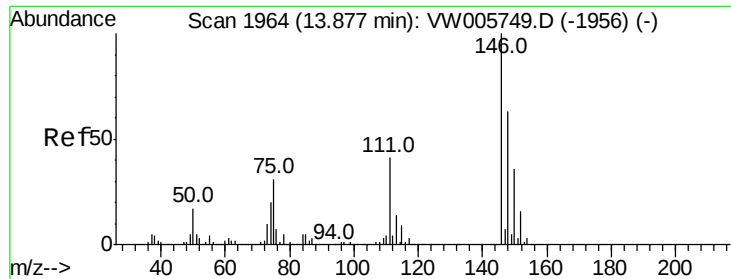
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	27.2	50.6
148	63.7	46.2	85.8



#64
 1,4-Dichlorobenzene
 Concen: 23.972 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005765.D
 Acq: 02 Oct 2018 05:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	28.4	52.8
148	66.0	46.3	86.1

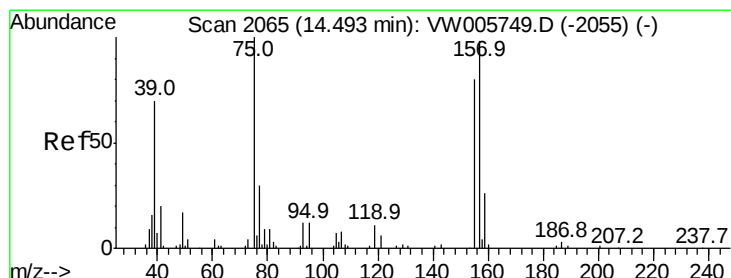
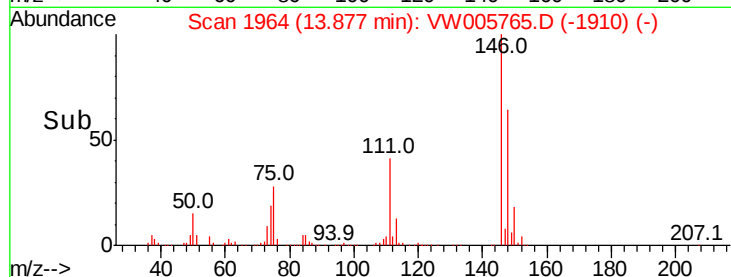
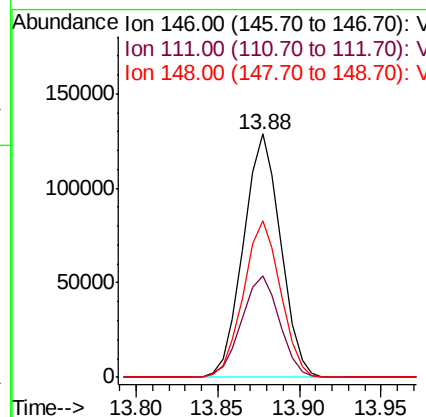
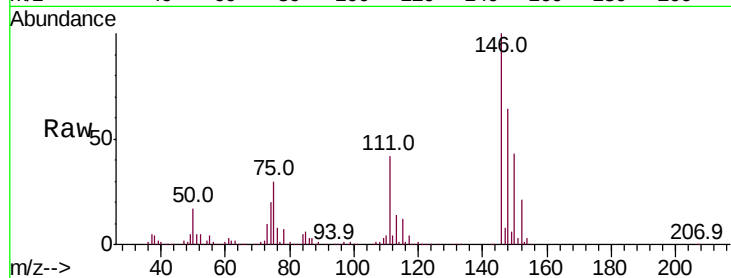




#65
1,2-Dichlorobenzene
Concen: 25.048 ug/L
RT: 13.88 min Scan# 1964
Delta R.T. -0.00 min
Lab File: VW005765.D
Acq: 02 Oct 2018 05:23

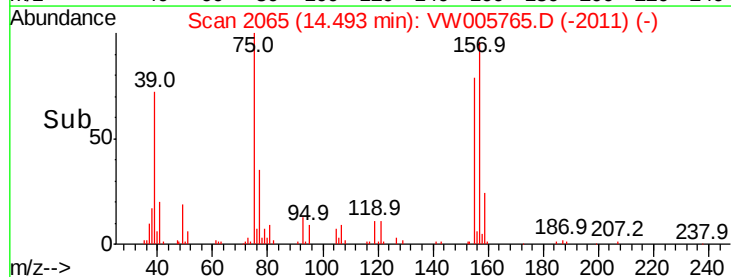
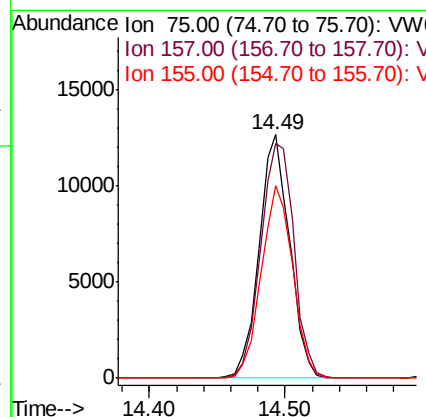
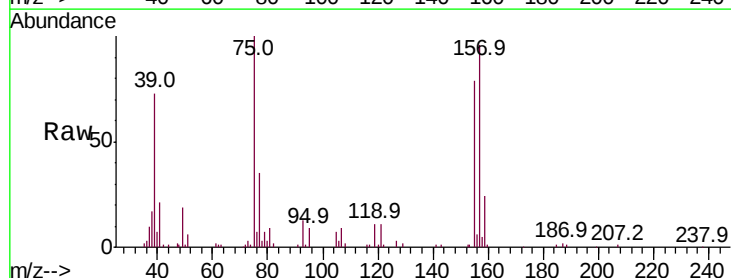
Instrument :
MSVOA_W
ClientSampleId :

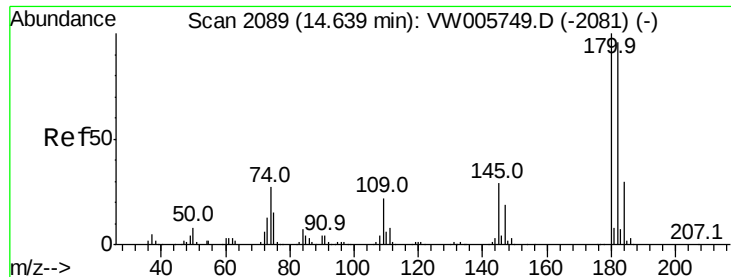
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	34.6	51.8
148	64.4	51.5	77.3



#66
1,2-Dibromo-3-chloropropane
Concen: 25.584 ug/L
RT: 14.49 min Scan# 2065
Delta R.T. 0.00 min
Lab File: VW005765.D
Acq: 02 Oct 2018 05:23

Tgt Ion	Ratio	Lower	Upper
75	100		
157	96.4	76.9	115.3
155	78.8	64.2	96.2

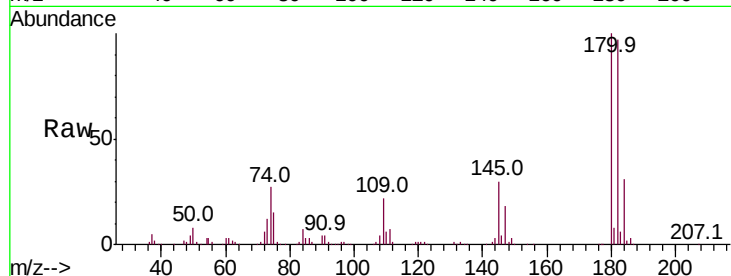




#67
 1,3,5-Trichlorobenzene
 Concen: 23.544 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005765.D
 Acq: 02 Oct 2018 05:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.7	116.5
184	30.9	24.6	37.0
145	29.9	23.8	35.6



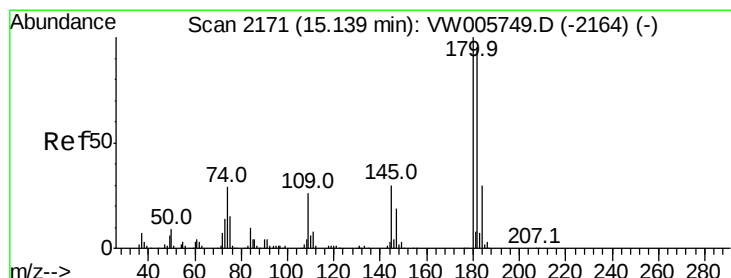
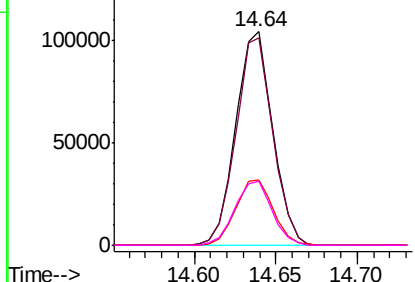
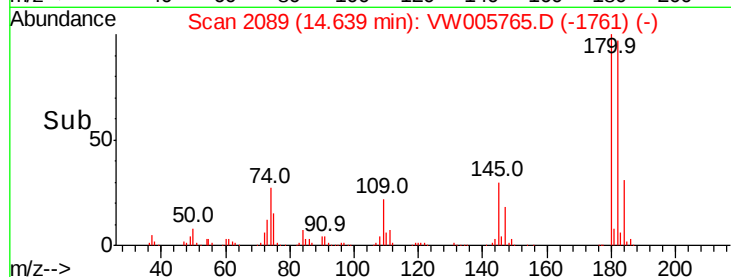
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

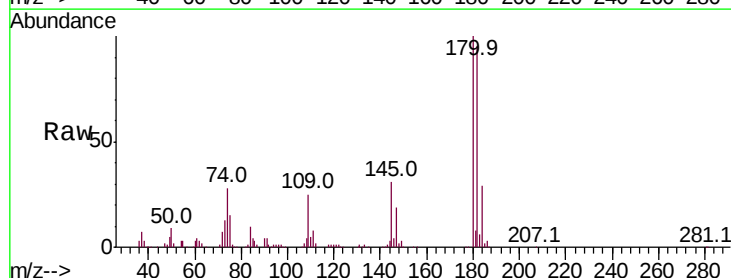
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.989 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005765.D
 Acq: 02 Oct 2018 05:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.6
145	30.2	23.8	35.6

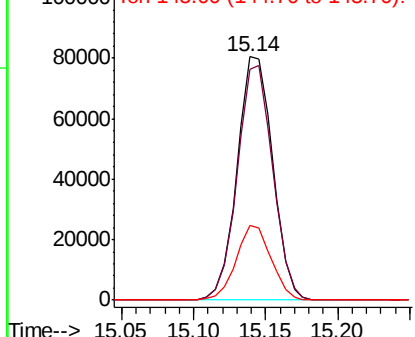
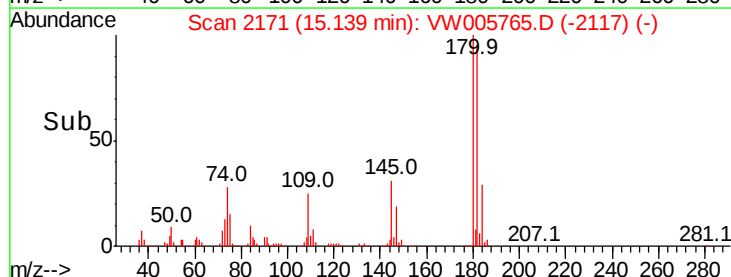


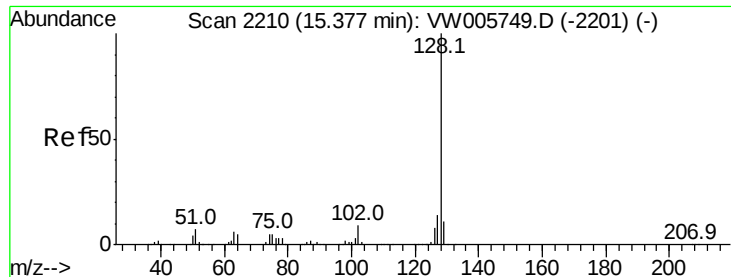
Abundance

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: 26.844 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

Instrument :

MSVOA_W

ClientSampleId :

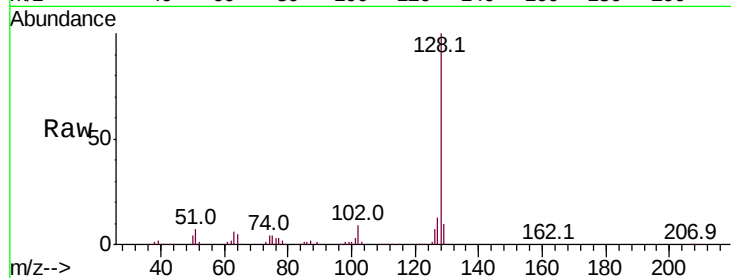
Tot Ion:128 Resp: 308831

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

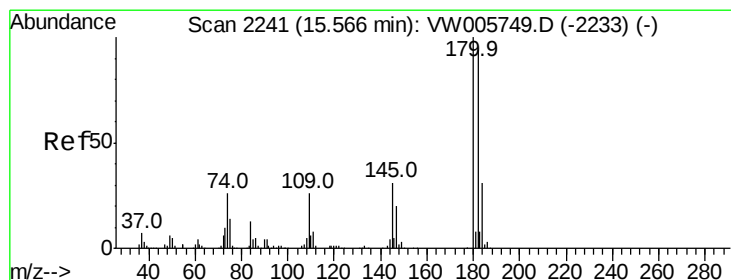
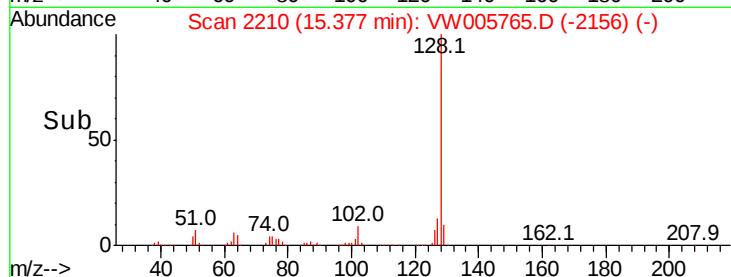
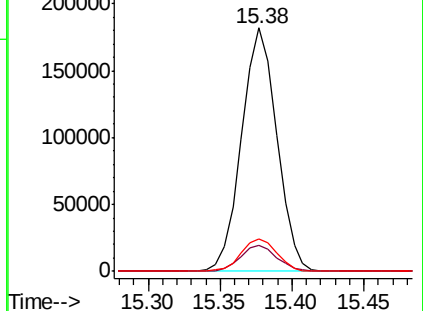
127 13.6 11.0 16.4



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: 25.012 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005765.D

Acq: 02 Oct 2018 05:23

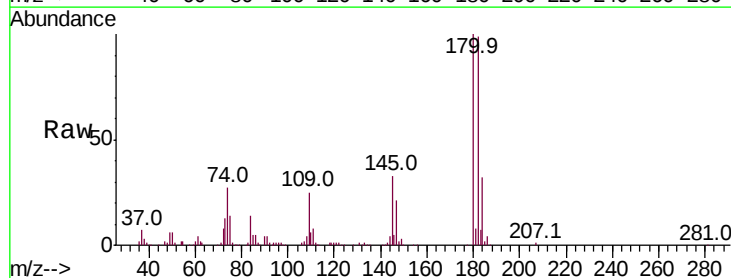
Tgt Ion:180 Resp: 134592

Ion Ratio Lower Upper

180 100

182 96.1 76.8 115.2

145 32.4 25.5 38.3



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

