

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100918\
 Data File : VW005946.D
 Acq On : 09 Oct 2018 16:54
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 10 07:55:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 10 07:48:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	331080	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	310231	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	170431	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	76091	20.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.52%
7) Chloroethane-d5	2.90	69	67781	21.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.36%
10) 1,1-Dichloroethene-d2	4.01	63	158249	22.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.28%
20) 2-Butanone-d5	7.08	46	69454	56.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.24%
24) Chloroform-d	7.65	84	162368	22.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.56%
26) 1,2-Dichloroethane-d4	8.31	65	91796	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.56%
29) Benzene-d6	8.27	84	316819	22.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.96%
33) 1,2-Dichloropropane-d6	9.27	67	93388	21.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.88%
37) Toluene-d8	10.33	98	316262	22.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.80%
38) trans-1,3-Dichloropropene-	10.58	79	47277	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.56%
39) 2-Hexanone-d5	10.93	63	56157	54.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	105183	25.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	133862	22.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	84152	26.892	ug/L 98
3) Chloromethane	2.21	50	74027	24.089	ug/L 100
5) Vinyl chloride	2.37	62	122004	24.633	ug/L 98
6) Bromomethane	2.79	94	90616	23.496	ug/L 98
8) Chloroethane	2.93	64	74786	24.634	ug/L 98
9) Trichlorofluoromethane	3.26	101	96270	24.296	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	94351	23.817	ug/L 96
12) 1,1-Dichloroethene	4.03	96	93923	24.709	ug/L 91
13) Acetone	4.12	43	77270	61.800	ug/L 100
14) Carbon disulfide	4.38	76	299229	24.080	ug/L 100
15) Methyl Acetate	4.67	43	59125	29.194	ug/L 99
16) Methylene chloride	4.92	84	95957	22.449	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	156225	25.248	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	102059	24.251	ug/L 96
19) 1,1-Dichloroethane	6.21	63	167057	24.530	ug/L 99
21) 2-Butanone	7.18	43	94937	57.143	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	110771	24.130	ug/L 96

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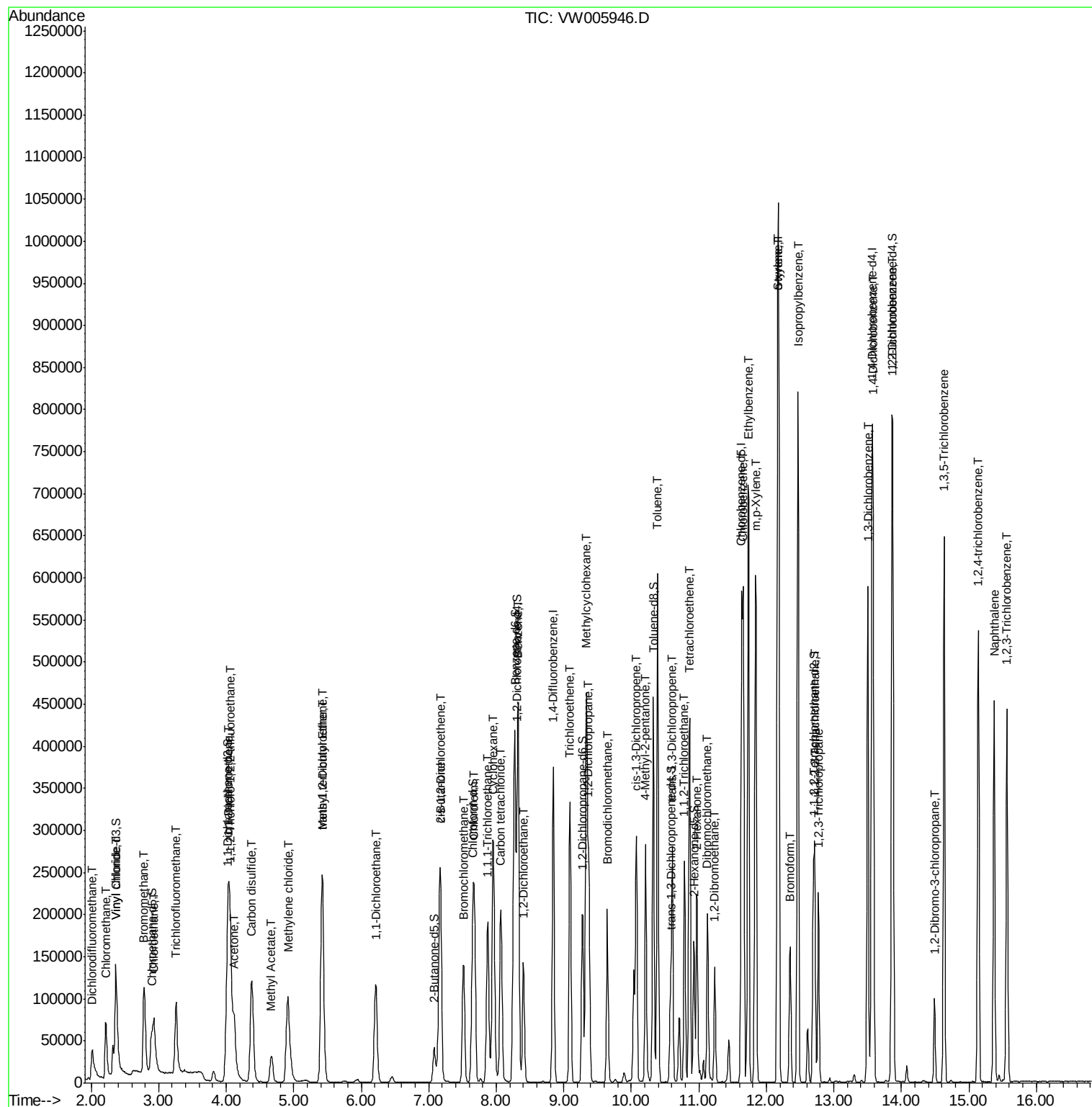
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	52900	24.500	ug/L	94
25) Chloroform	7.68	83	179498	24.486	ug/L	99
27) 1,2-Dichloroethane	8.40	62	126256	25.267	ug/L	97
30) Cyclohexane	7.96	56	167321	24.539	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	159062	24.502	ug/L	99
32) Carbon tetrachloride	8.07	117	156260	24.544	ug/L	100
34) Benzene	8.32	78	388930	24.421	ug/L	100
35) Trichloroethene	9.09	95	110437	24.646	ug/L	99
36) Methylcyclohexane	9.34	83	199977	24.357	ug/L	99
40) 1,2-Dichloropropane	9.37	63	97349	24.641	ug/L	100
41) Bromodichloromethane	9.65	83	131700	24.687	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	158334	24.537	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	177553	56.086	ug/L	99
44) Toluene	10.39	91	436811	24.427	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	142042	25.201	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	82847	25.182	ug/L	99
47) Tetrachloroethene	10.87	164	100773	24.295	ug/L	97
49) 2-Hexanone	10.97	43	141822	60.787	ug/L	99
50) Dibromochloromethane	11.13	129	105739	25.075	ug/L	98
51) 1,2-Dibromoethane	11.24	107	89599	26.164	ug/L	99
52) Chlorobenzene	11.66	112	296501	24.501	ug/L	99
53) Ethylbenzene	11.73	91	507804	24.392	ug/L	100
54) m,p-Xylene	11.84	106	199348	24.429	ug/L	100
55) o-xylene	12.17	106	191300	24.552	ug/L	98
56) Styrene	12.18	104	328143	24.456	ug/L	100
57) Isopropylbenzene	12.47	105	529535	24.425	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	117966	27.592	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	88102	27.620	ug/L	98
62) Bromoform	12.35	173	74603	26.124	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	255283	24.391	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	258396	24.517	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	239802	24.906	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	22307	28.783	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	208733	24.742	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	180736	25.124	ug/L	100
69) Naphthalene	15.38	128	398391	27.352	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	165045	25.537	ug/L	99

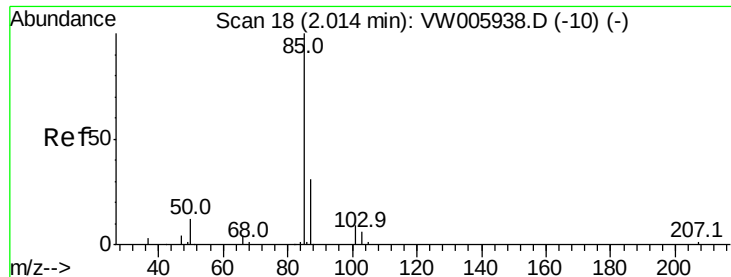
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.892 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

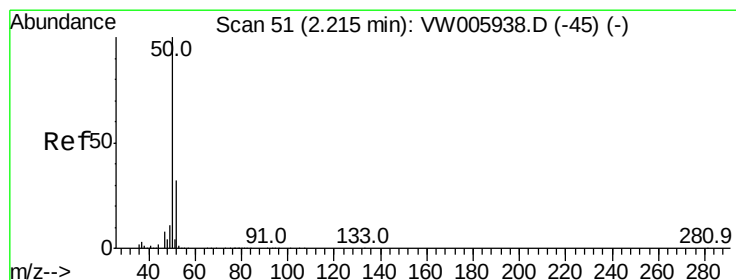
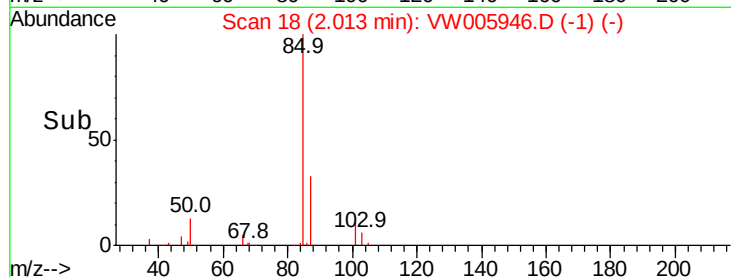
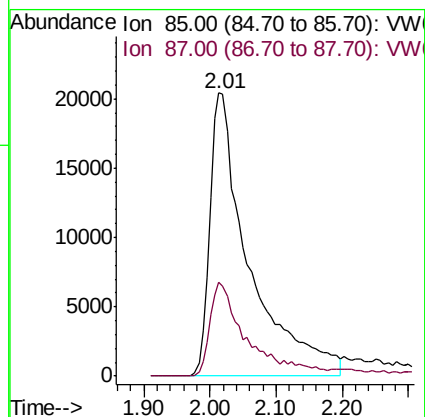
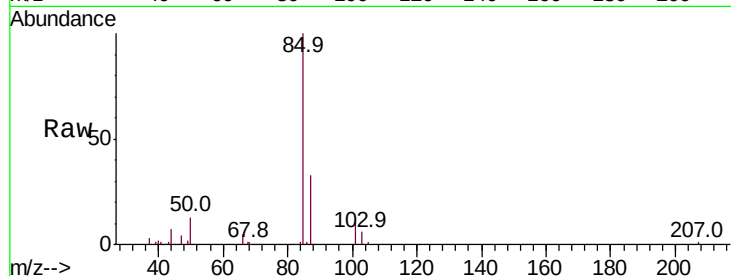
ClientSampleId :

Tot Ion: 85 Resp: 84152

Ion Ratio Lower Upper

85 100

87 26.1 19.2 35.6



#3

Chloromethane

Concen: 24.089 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005946.D

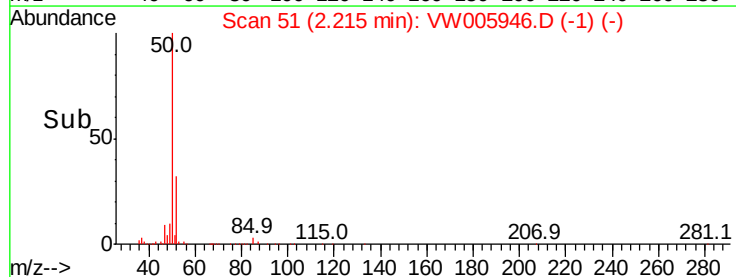
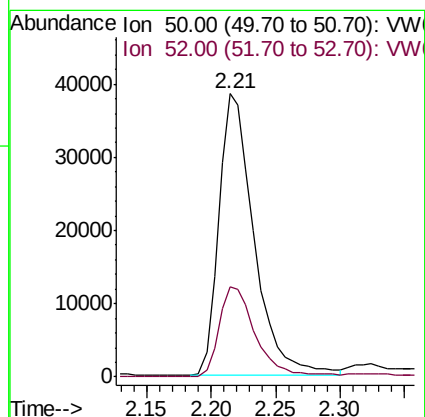
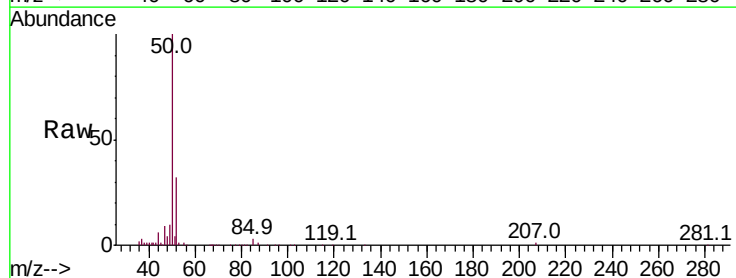
Acq: 09 Oct 2018 16:54

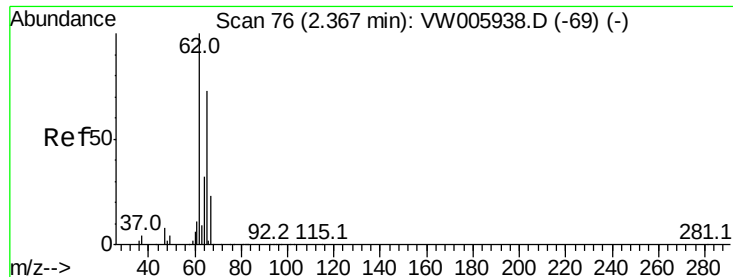
Tgt Ion: 50 Resp: 74027

Ion Ratio Lower Upper

50 100

52 32.0 22.3 41.3





#5

Vinyl chloride

Concen: 24.633 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

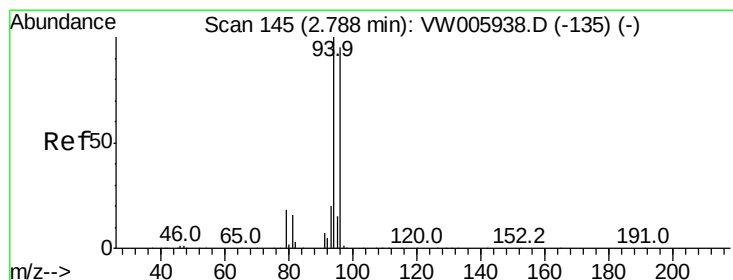
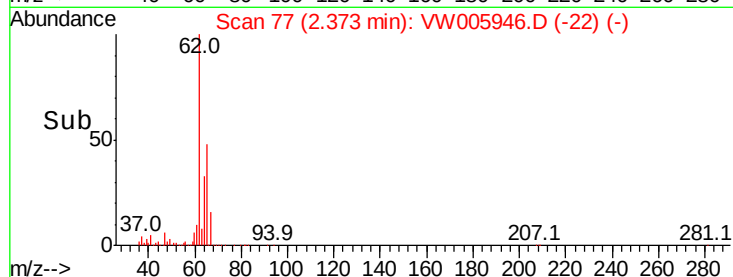
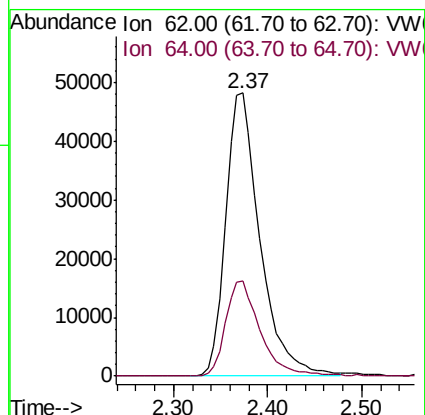
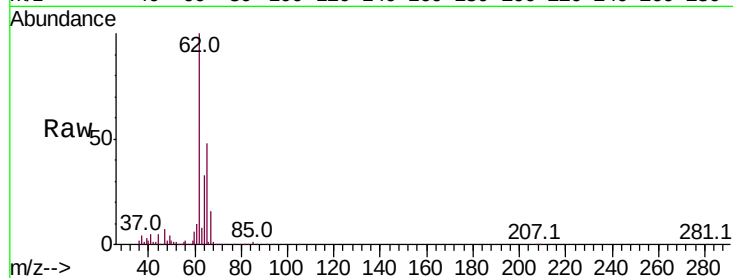
ClientSampleId :

Tot Ion: 62 Resp: 122004

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.3



#6

Bromomethane

Concen: 23.496 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW005946.D

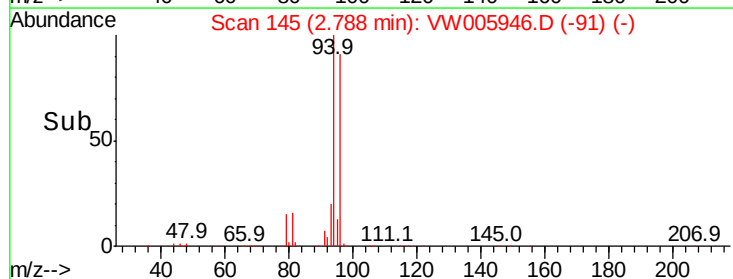
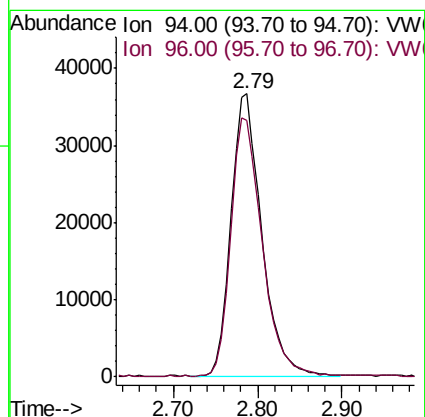
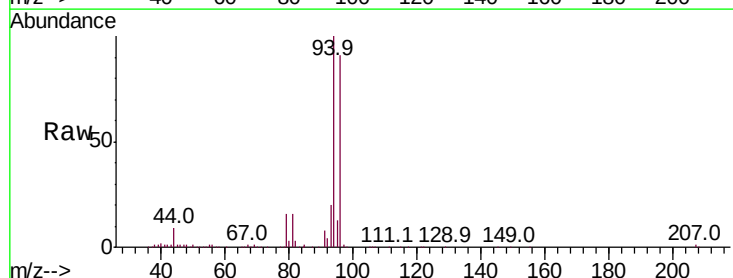
Acq: 09 Oct 2018 16:54

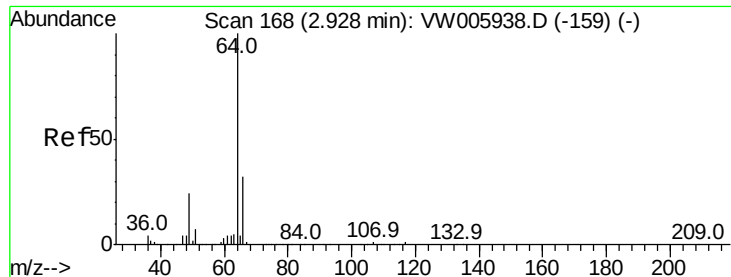
Tgt Ion: 94 Resp: 90616

Ion Ratio Lower Upper

94 100

96 93.5 9.5 181.3





#8

Chloroethane

Concen: 24.634 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

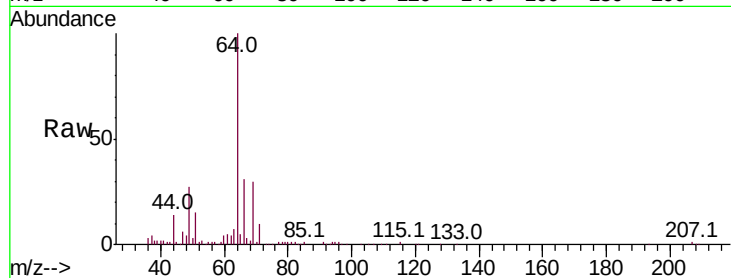
ClientSampleId :

Tot Ion: 64 Resp: 74786

Ion Ratio Lower Upper

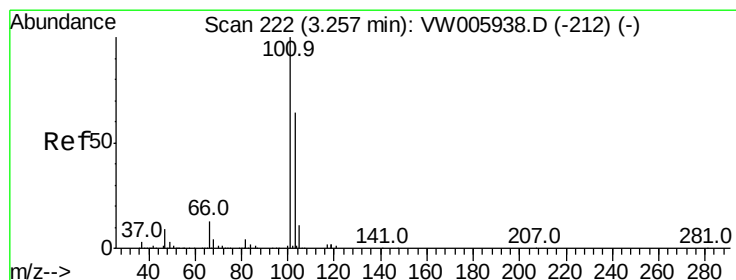
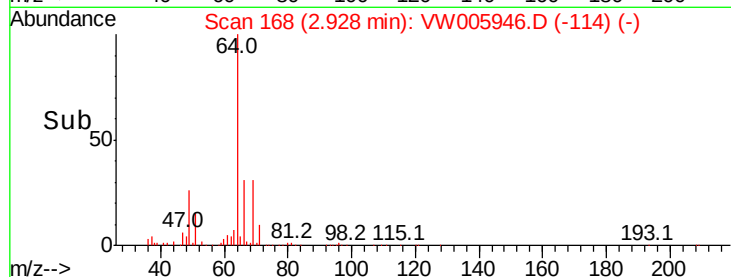
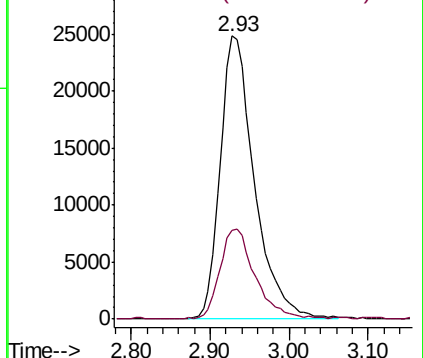
64 100

66 31.5 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 24.296 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW005946.D

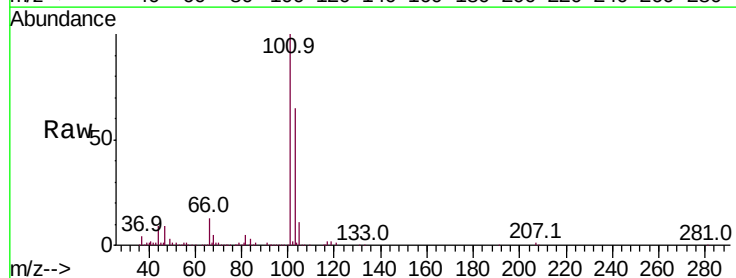
Acq: 09 Oct 2018 16:54

Tgt Ion: 101 Resp: 96270

Ion Ratio Lower Upper

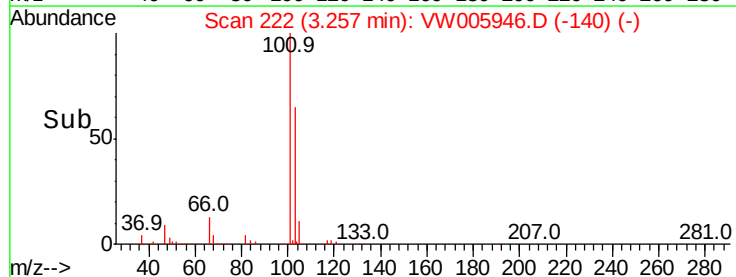
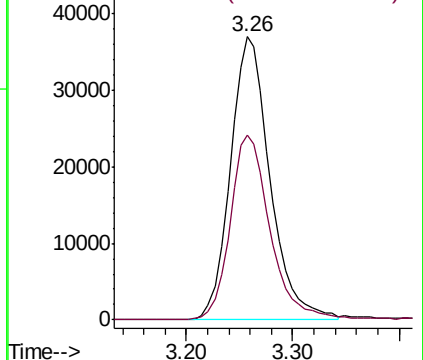
101 100

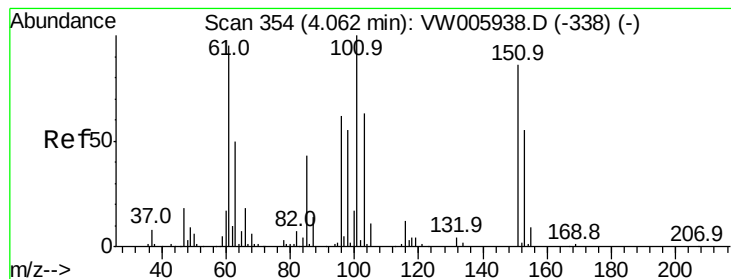
103 65.9 45.6 84.6



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: 23.817 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

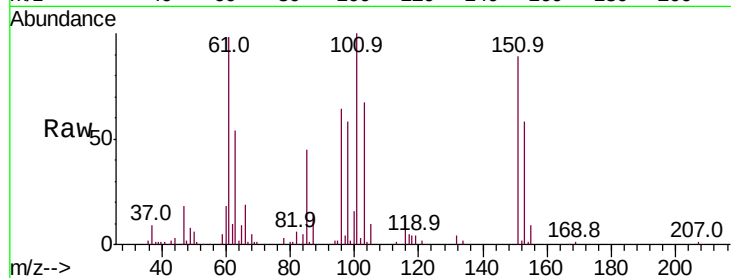
Tot Ion:101 Resp: 94351

Ion Ratio Lower Upper

101 100

85 45.9 33.4 50.2

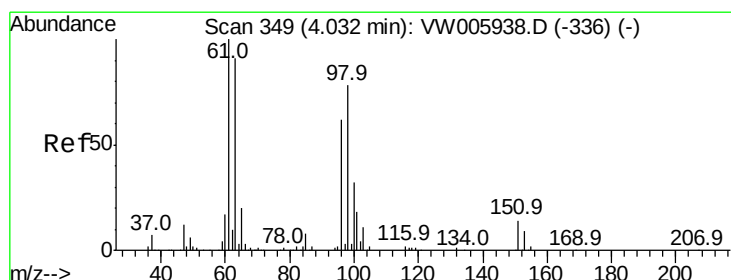
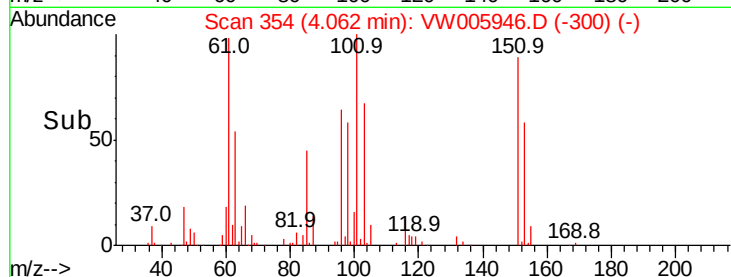
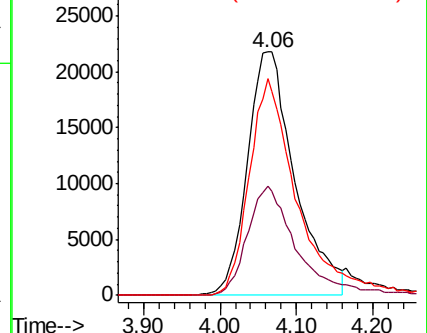
151 88.1 68.7 103.1



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: 24.709 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

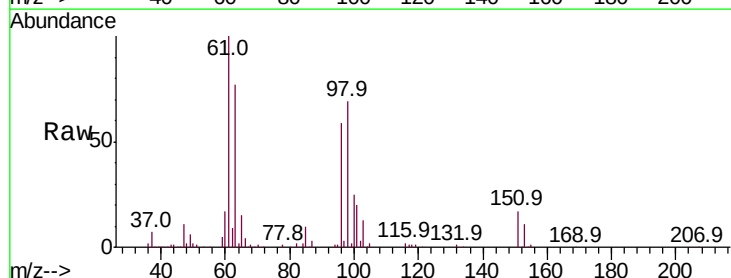
Tgt Ion: 96 Resp: 93923

Ion Ratio Lower Upper

96 100

61 169.1 112.3 208.7

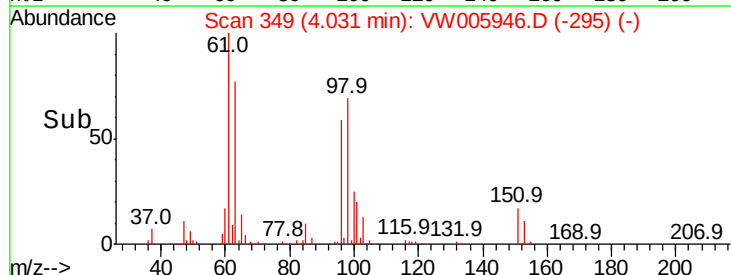
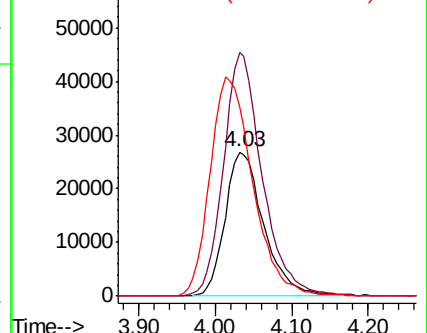
63 131.0 102.6 190.6

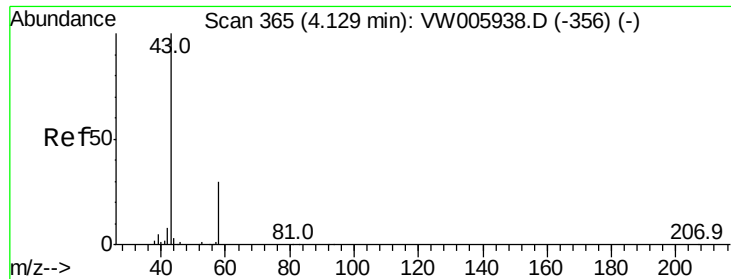


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 61.800 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

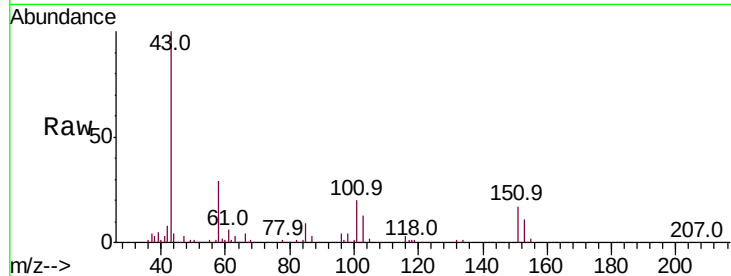
ClientSampleId :

Tot Ion: 43 Resp: 77270

Ion Ratio Lower Upper

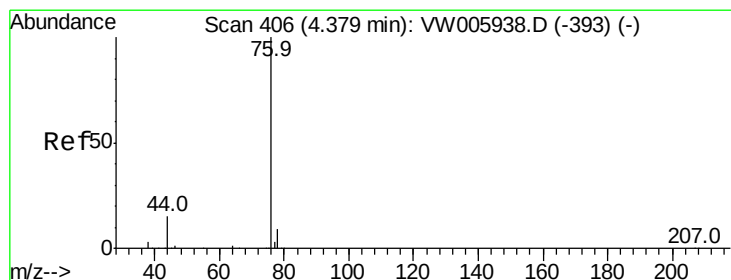
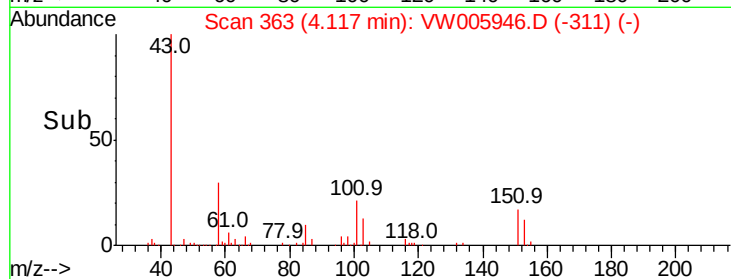
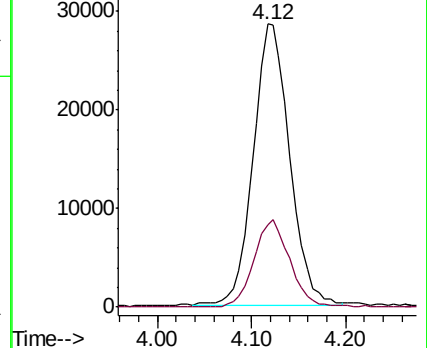
43 100

58 30.5 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.080 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW005946.D

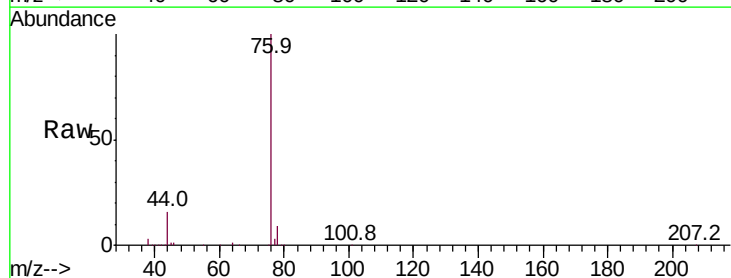
Acq: 09 Oct 2018 16:54

Tgt Ion: 76 Resp: 299229

Ion Ratio Lower Upper

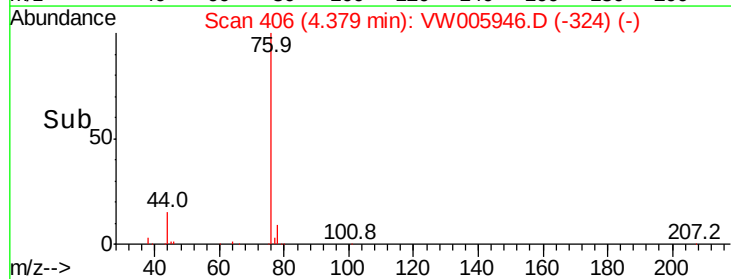
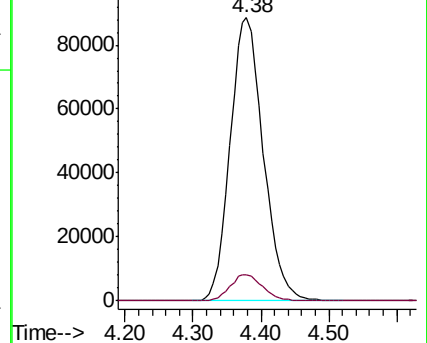
76 100

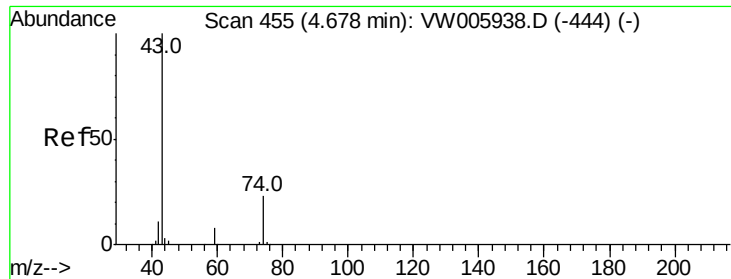
78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

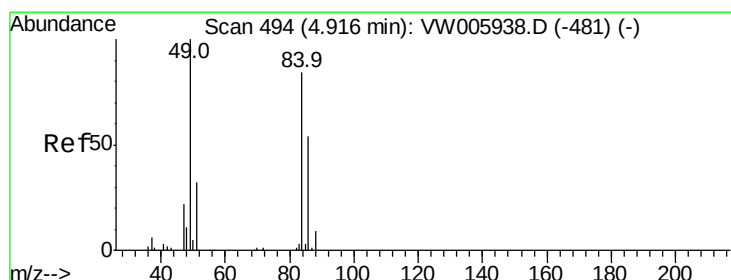
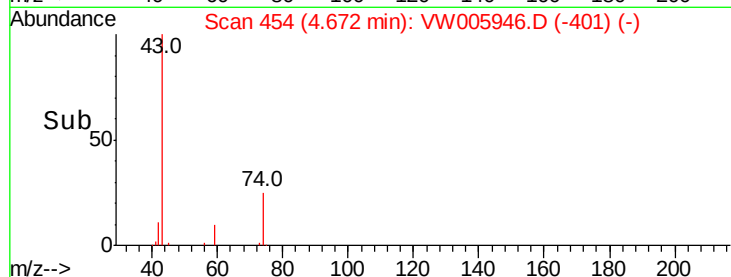
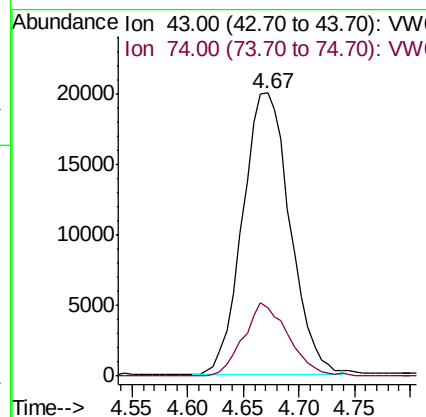
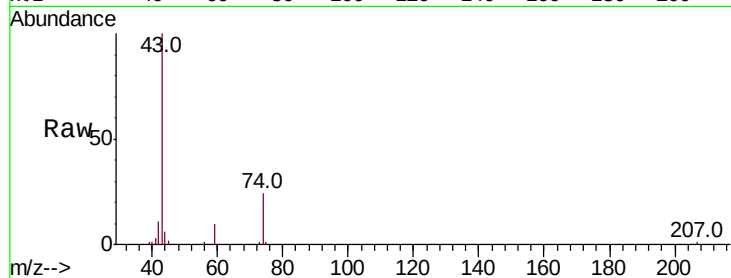




#15
Methvl Acetate
Concen: 29.194 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW005946.D
Acq: 09 Oct 2018 16:54

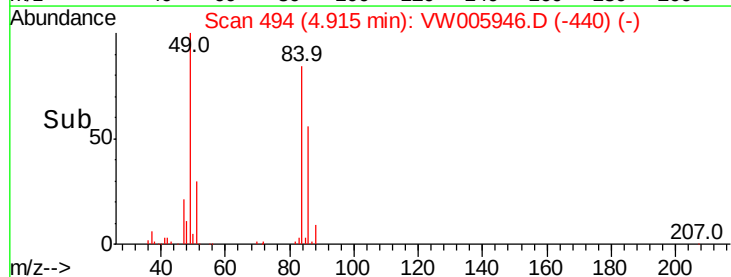
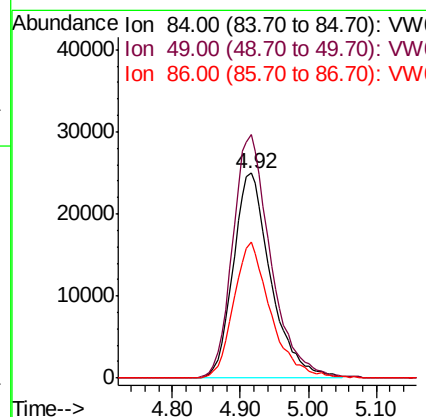
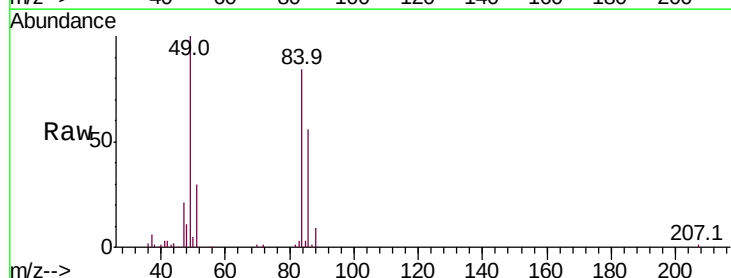
Instrument :
MSVOA_W
ClientSampled :

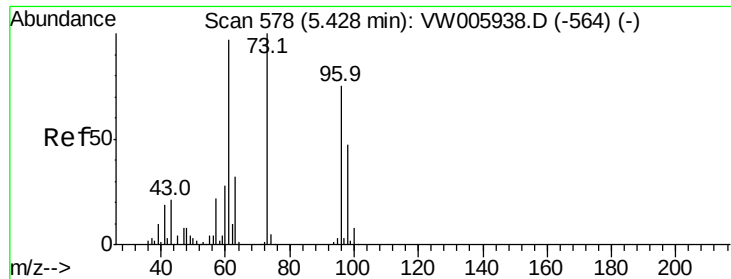
Tot Ion: 43 Resp: 59125
Ion Ratio Lower Upper
43 100
74 24.6 19.4 29.2



#16
Methylene chloride
Concen: 22.449 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW005946.D
Acq: 09 Oct 2018 16:54

Tgt Ion: 84 Resp: 95957
Ion Ratio Lower Upper
84 100
49 118.8 83.5 155.1
86 66.1 44.9 83.5

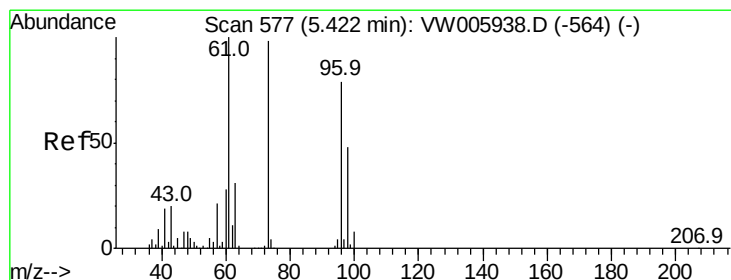
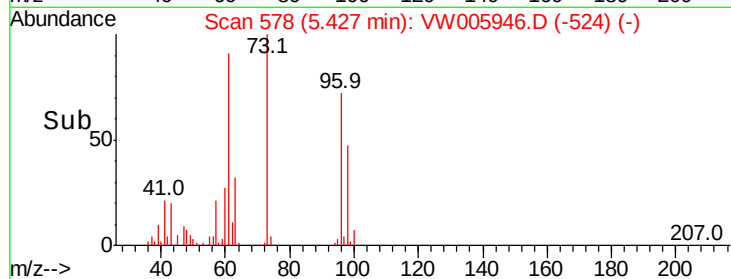
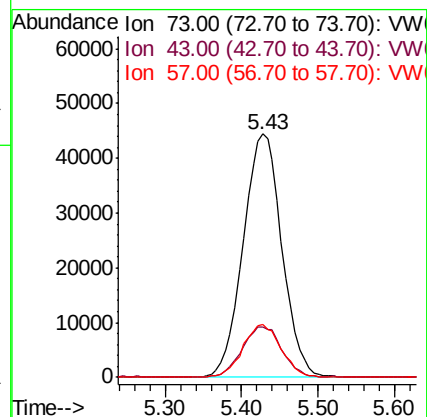
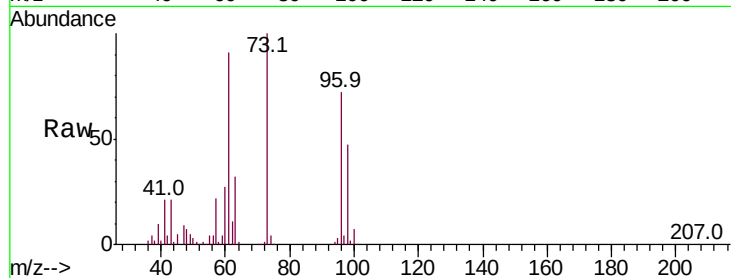




#17
Methyl tert-butyl Ether
Concen: 25.248 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005946.D
Acq: 09 Oct 2018 16:54

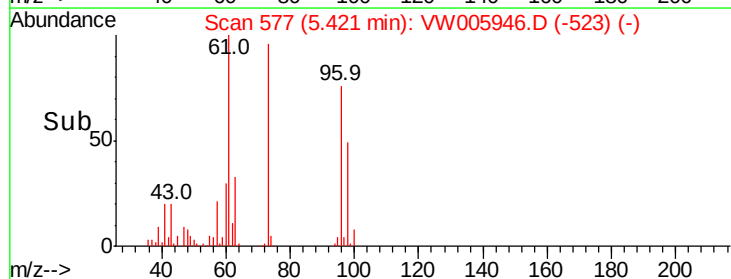
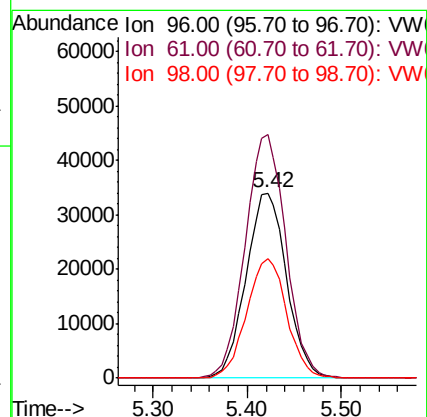
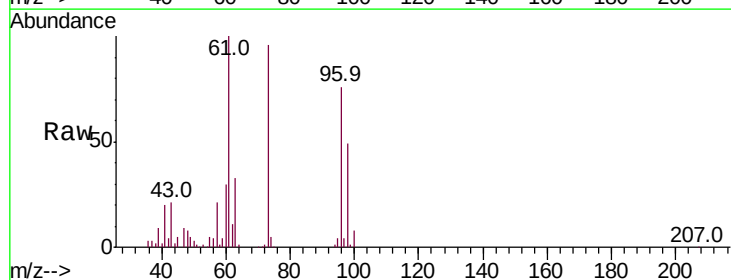
Instrument :
MSVOA_W
ClientSampleId :

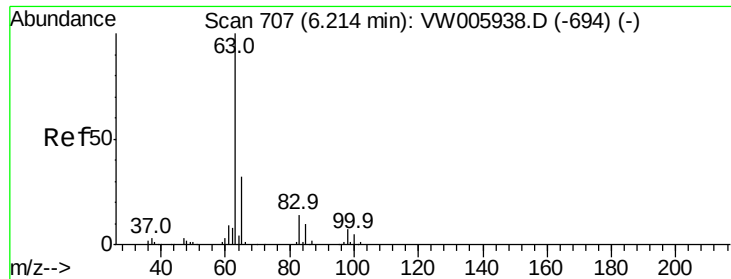
Tot Ion: 73 Resp: 156225
Ion Ratio Lower Upper
73 100
43 21.2 17.0 25.4
57 21.2 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 24.251 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW005946.D
Acq: 09 Oct 2018 16:54

Tgt Ion: 96 Resp: 102059
Ion Ratio Lower Upper
96 100
61 131.6 89.0 165.2
98 64.8 42.4 78.6

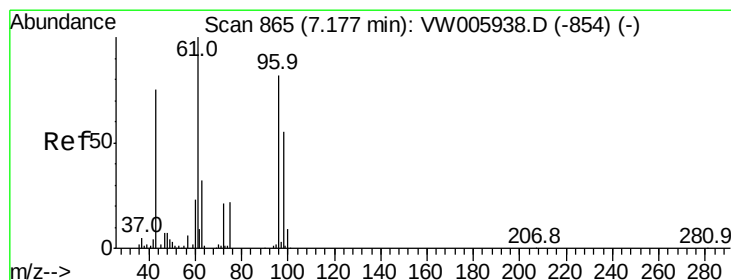
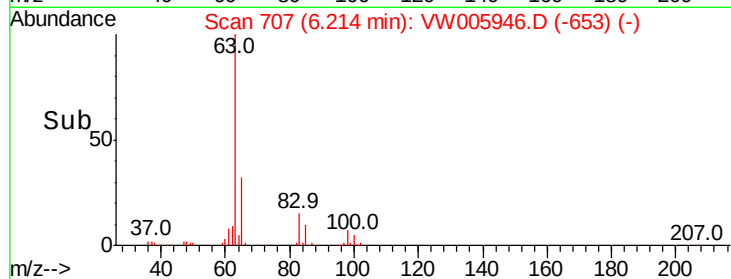
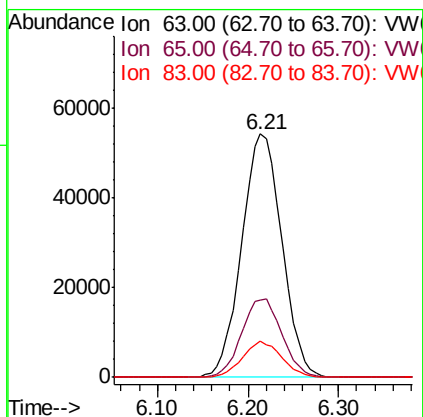
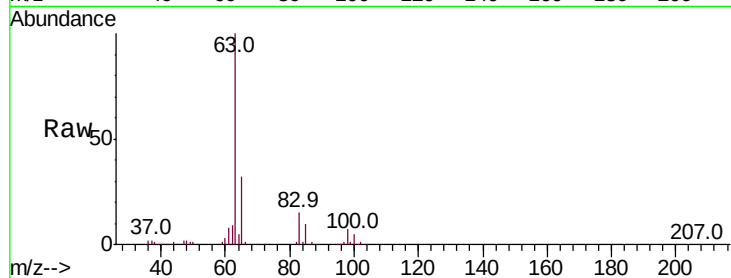




#19
 1,1-Dichloroethane
 Concen: 24.530 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW005946.D
 Acq: 09 Oct 2018 16:54

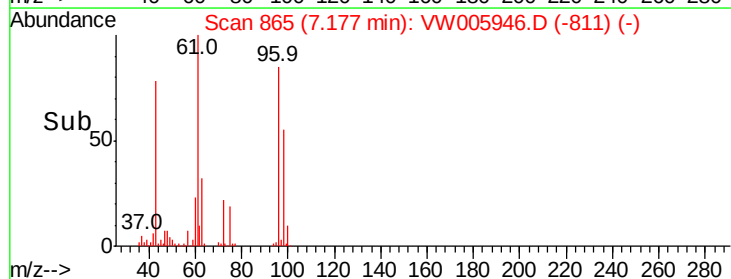
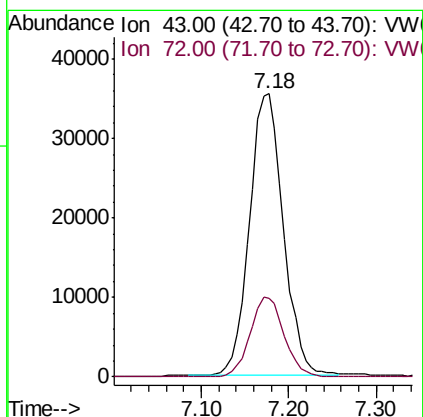
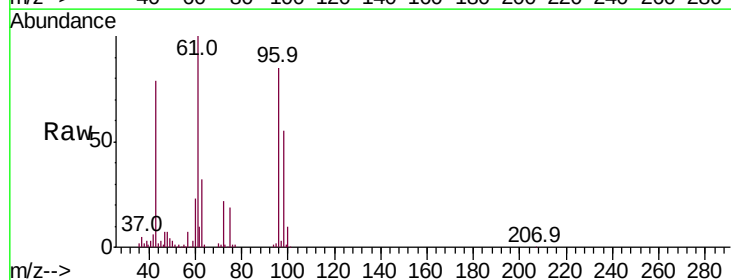
Instrument :
 MSVOA_W
 ClientSampled :

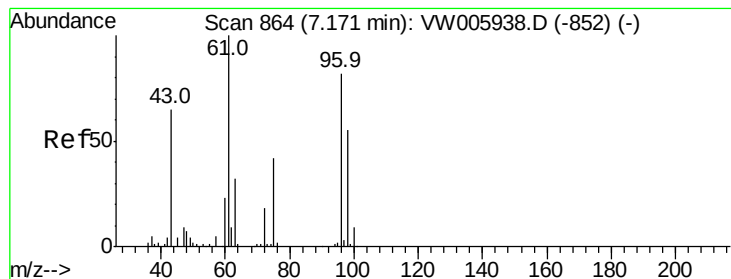
Tot Ion: 63 Resp: 167057
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.3 41.5
 83 14.6 9.7 18.1



#21
 2-Butanone
 Concen: 57.143 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW005946.D
 Acq: 09 Oct 2018 16:54

Tgt Ion: 43 Resp: 94937
 Ion Ratio Lower Upper
 43 100
 72 28.3 13.8 41.4



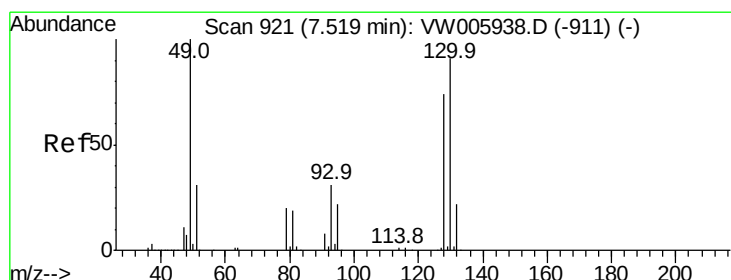
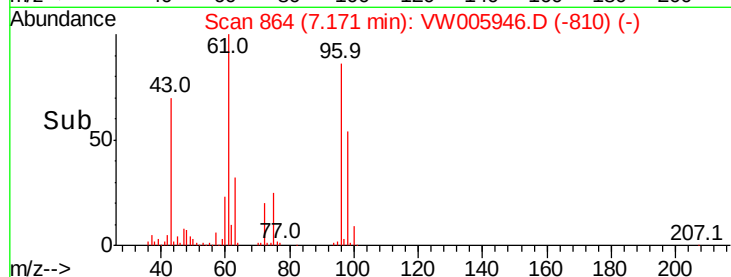
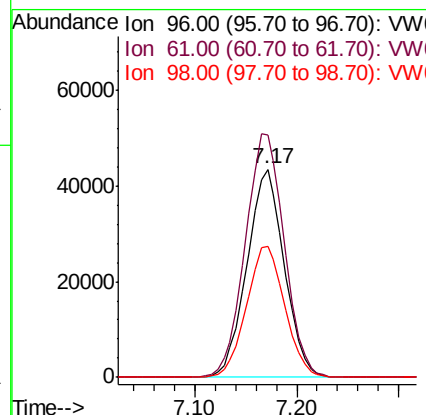
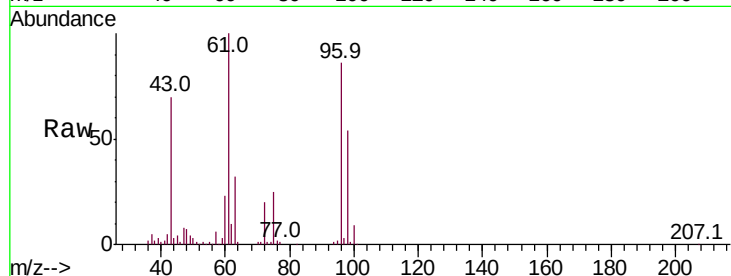


#22

cis-1,2-Dichloroethene
Concen: 24.130 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW005946.D
Acq: 09 Oct 2018 16:54

Instrument :
MSVOA_W
ClientSampleId :

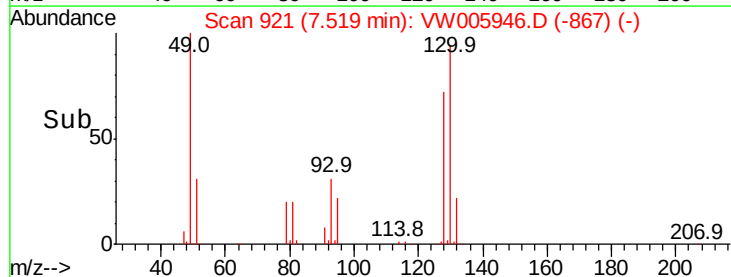
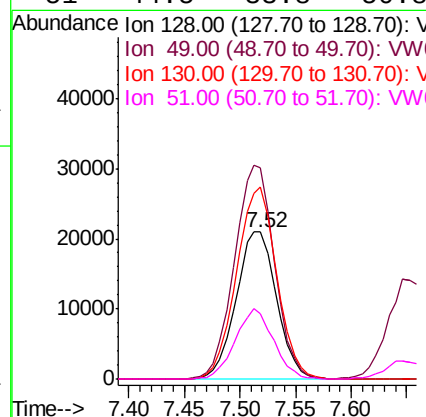
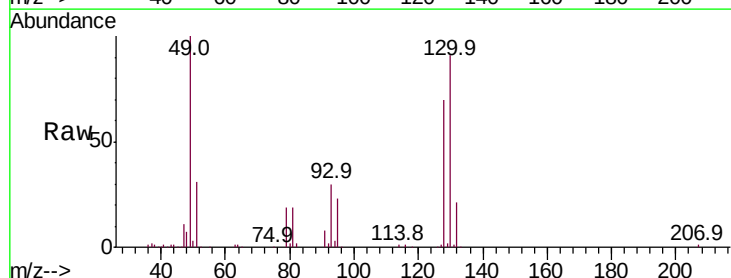
Tot Ion: 96 Resp: 110771
Ion Ratio Lower Upper
96 100
61 116.4 85.1 158.1
98 63.2 46.3 86.1

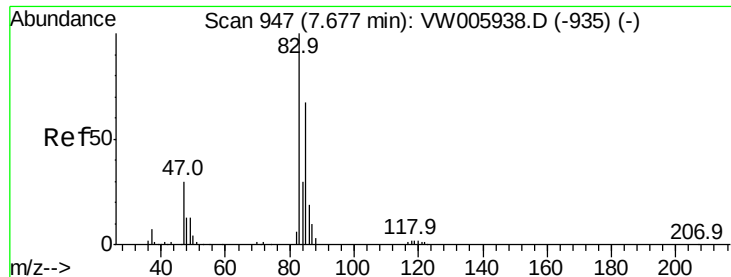


#23

Bromochloromethane
Concen: 24.500 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW005946.D
Acq: 09 Oct 2018 16:54

Tgt Ion: 128 Resp: 52900
Ion Ratio Lower Upper
128 100
49 143.5 95.2 176.8
130 130.7 86.3 160.3
51 44.5 33.8 50.8





#25

Chloroform

Concen: 24.486 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

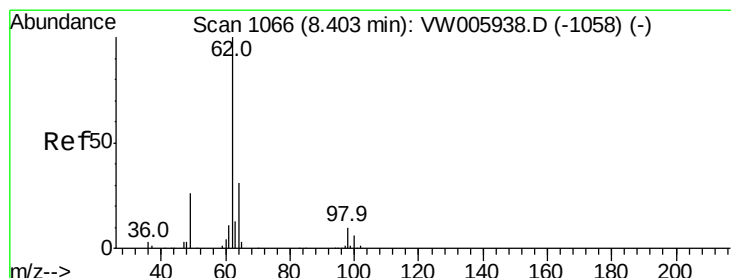
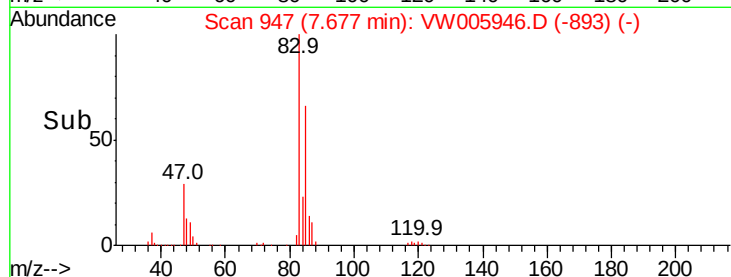
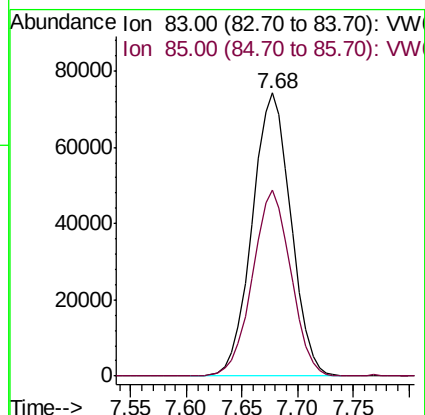
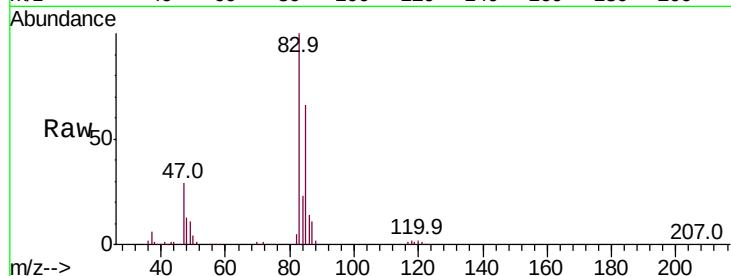
ClientSampleId :

Tot Ion: 83 Resp: 179498

Ion Ratio Lower Upper

83 100

85 65.5 46.3 85.9



#27

1,2-Dichloroethane

Concen: 25.267 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW005946.D

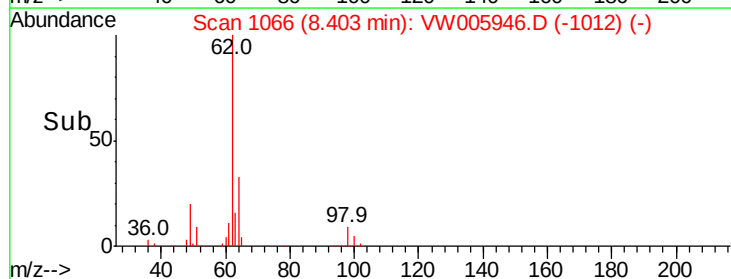
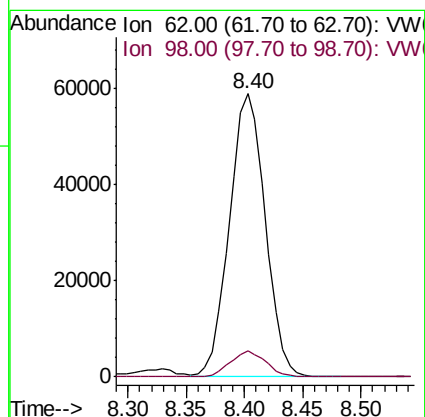
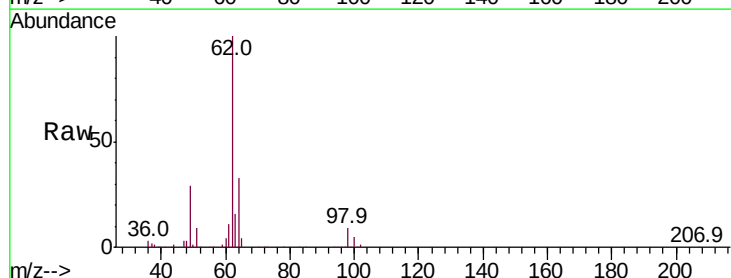
Acq: 09 Oct 2018 16:54

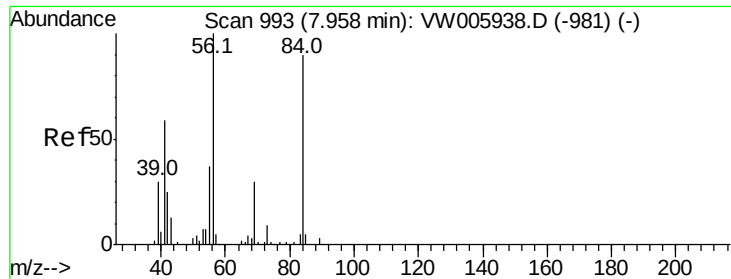
Tgt Ion: 62 Resp: 126256

Ion Ratio Lower Upper

62 100

98 9.1 8.0 12.0

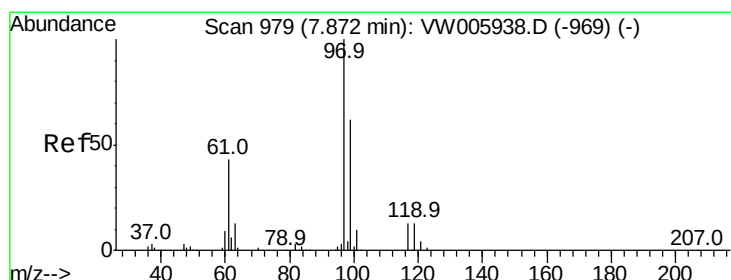
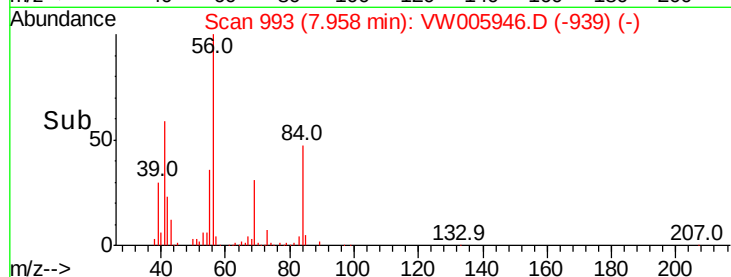
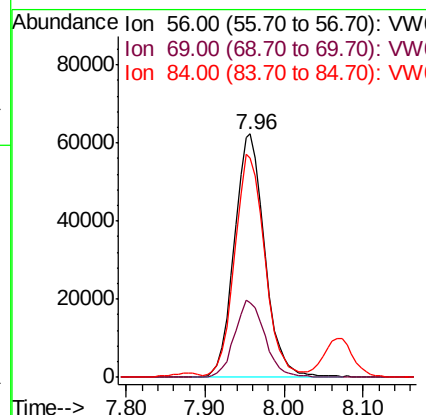
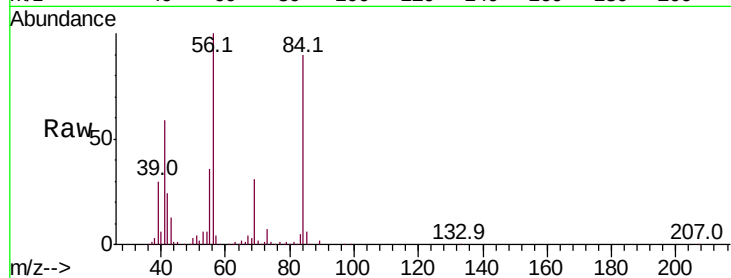




#30
Cyclohexane
Concen: 24.539 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005946.D
Acq: 09 Oct 2018 16:54

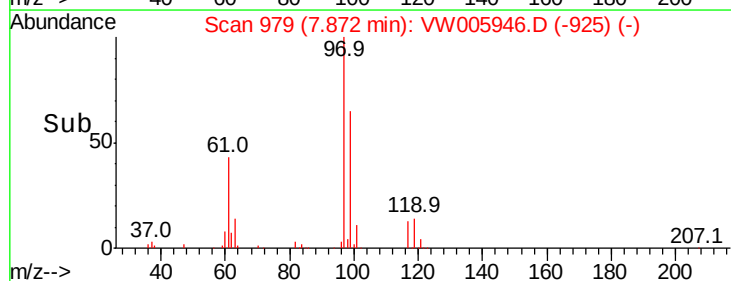
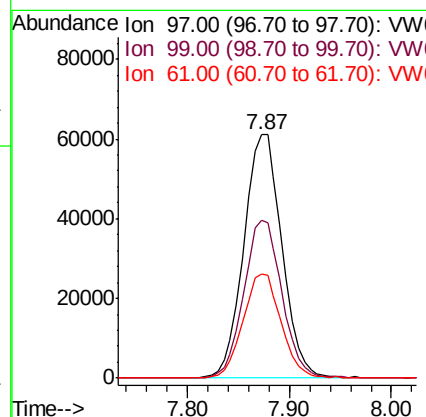
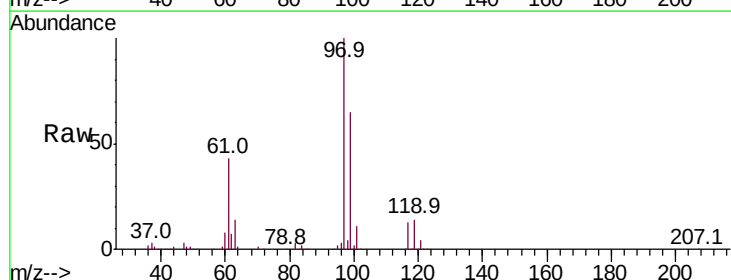
Instrument :
MSVOA_W
ClientSampleId :

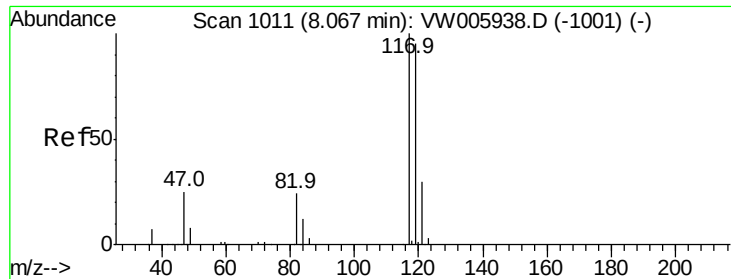
Tot Ion: 56 Resp: 167321
Ion Ratio Lower Upper
56 100
69 31.3 25.4 38.0
84 91.4 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 24.502 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW005946.D
Acq: 09 Oct 2018 16:54

Tgt Ion: 97 Resp: 159062
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 42.6 33.6 50.4





#32

Carbon tetrachloride

Concen: 24.544 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

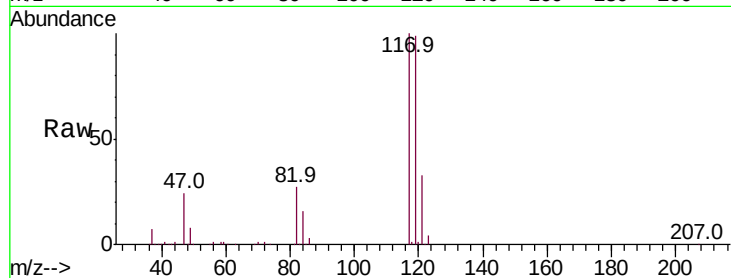
ClientSampleId :

Tot Ion:117 Resp: 156260

Ion Ratio Lower Upper

117 100

119 96.1 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

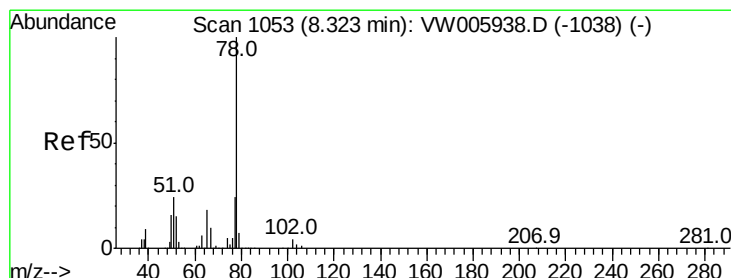
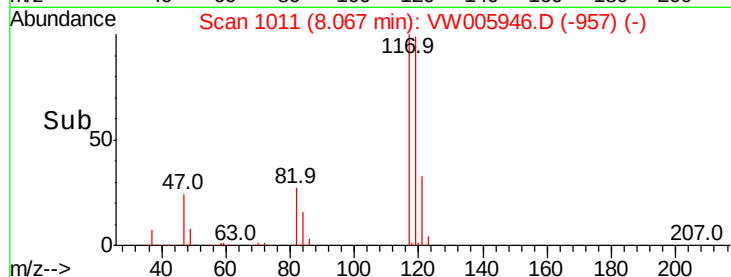
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 24.421 ug/L

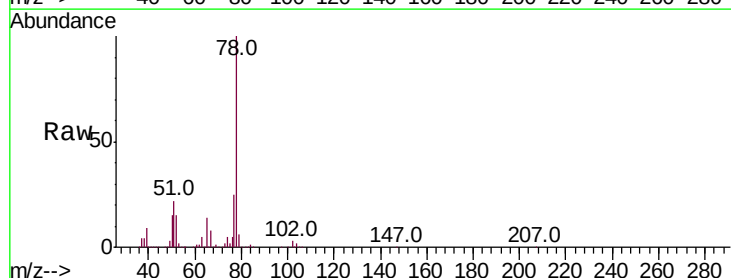
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Tgt Ion: 78 Resp: 388930



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

150000

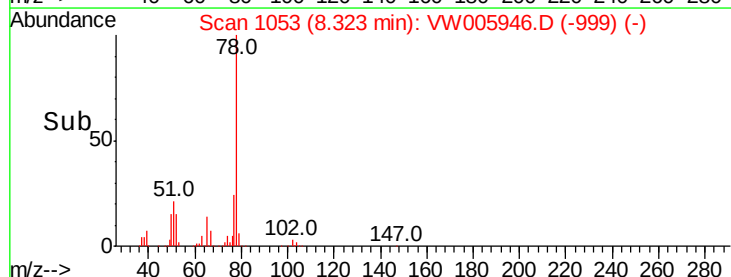
100000

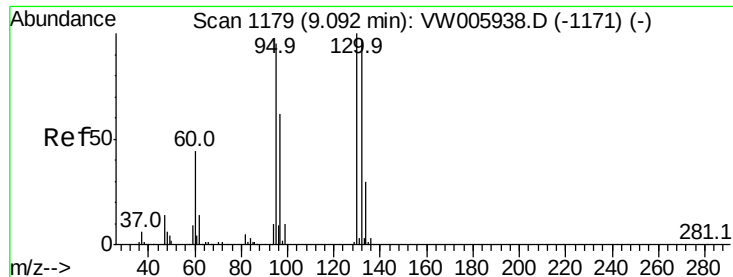
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 24.646 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 110437

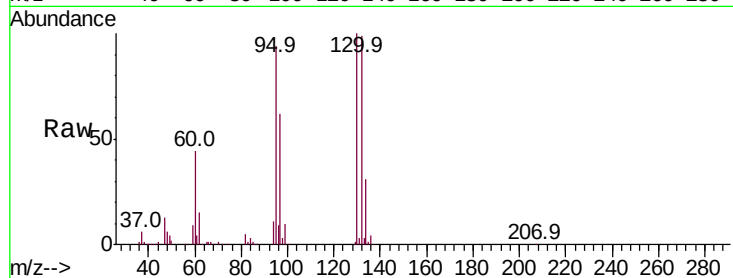
Ion Ratio Lower Upper

95 100

97 65.2 45.8 85.0

132 102.8 72.9 135.3

130 107.3 75.8 140.8

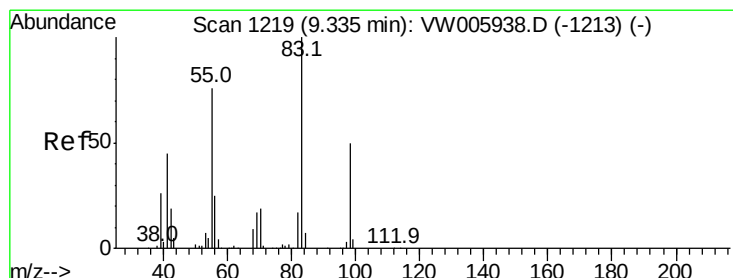
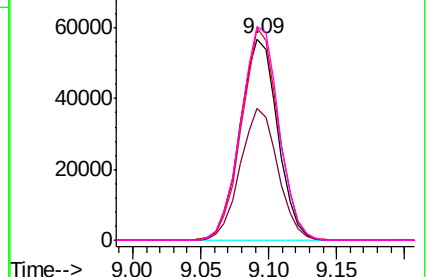
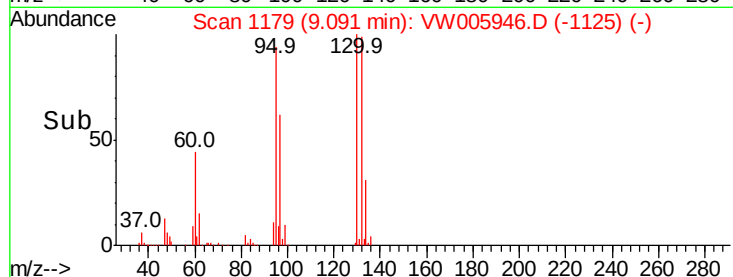


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.357 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

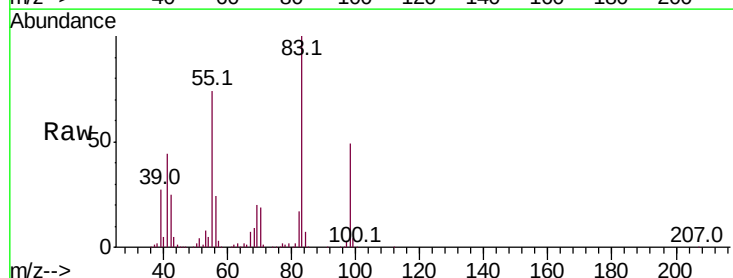
Tgt Ion: 83 Resp: 199977

Ion Ratio Lower Upper

83 100

55 71.8 57.1 85.7

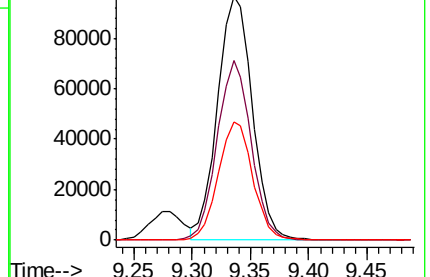
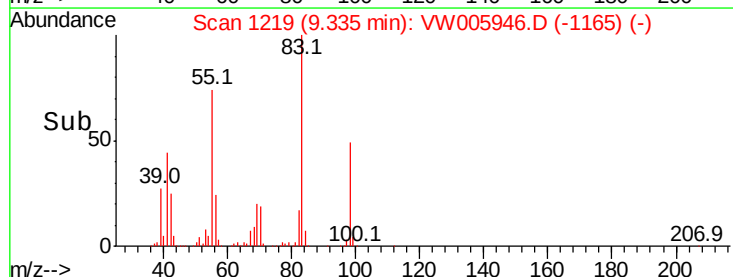
98 48.1 38.9 58.3

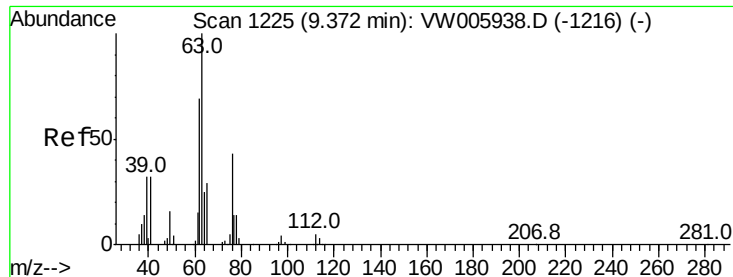


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.641 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

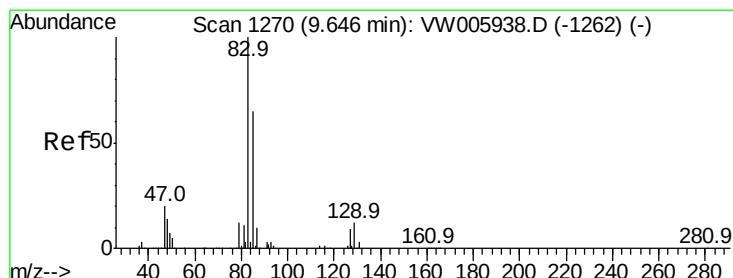
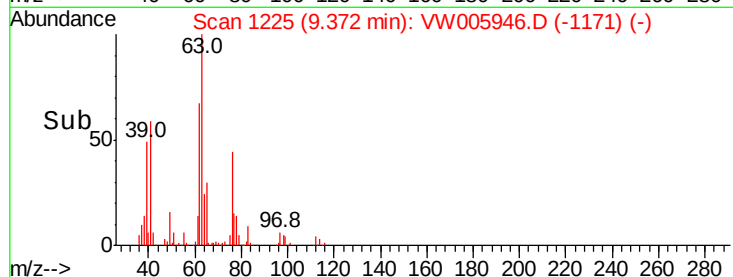
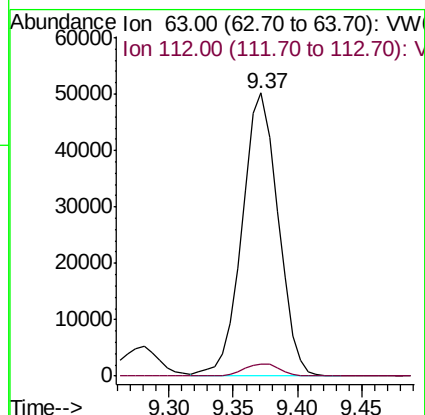
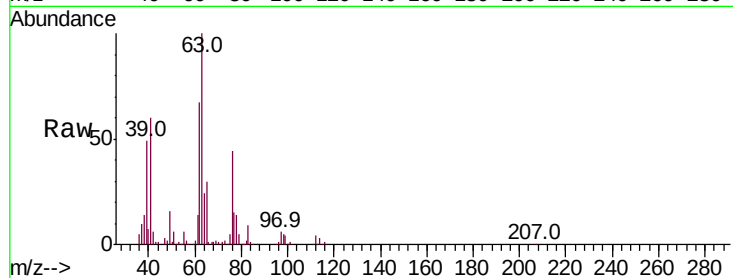
ClientSampled :

Tot Ion: 63 Resp: 97349

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



#41

Bromodichloromethane

Concen: 24.687 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

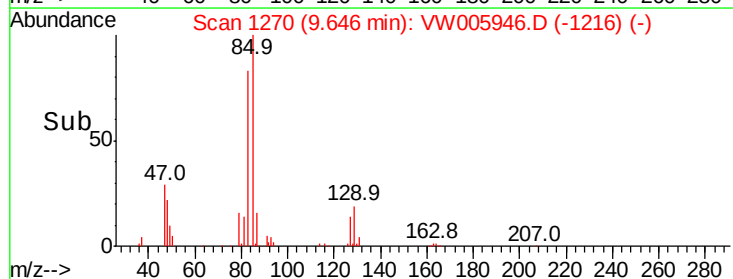
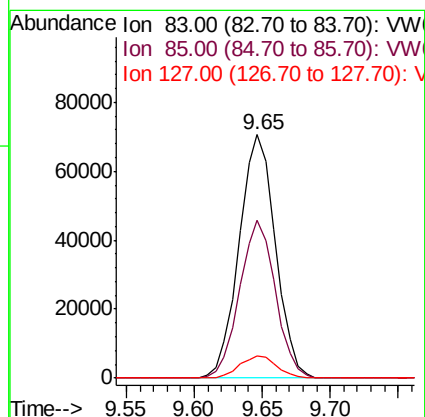
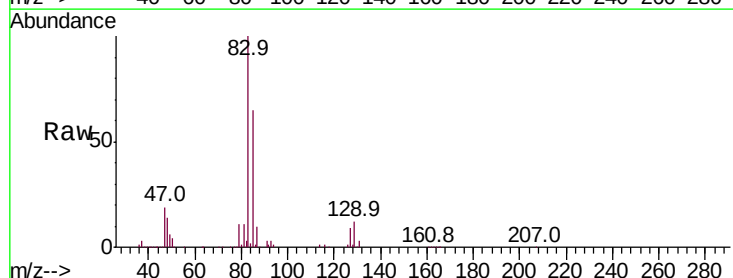
Tgt Ion: 83 Resp: 131700

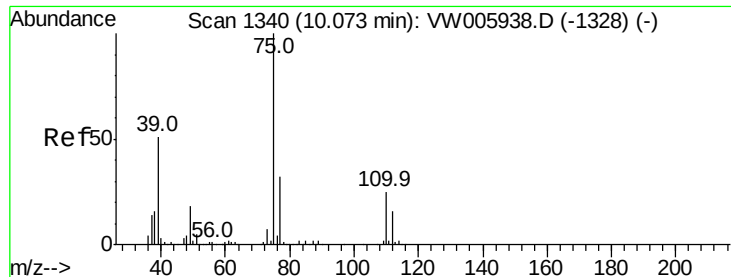
Ion Ratio Lower Upper

83 100

85 64.9 45.5 84.5

127 9.0 7.4 11.2

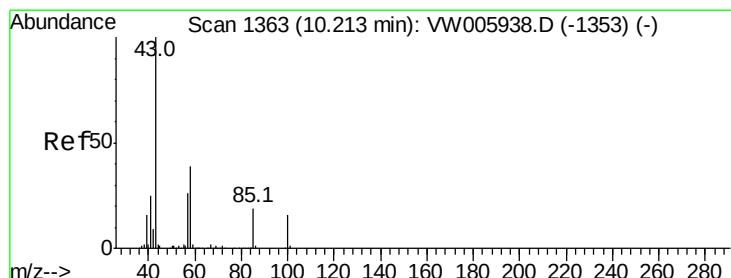
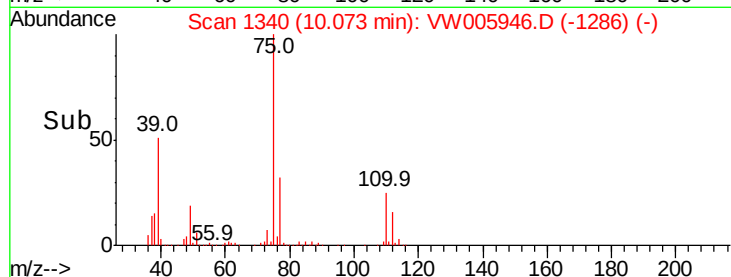
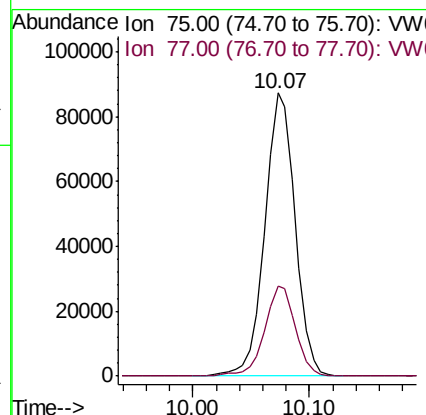
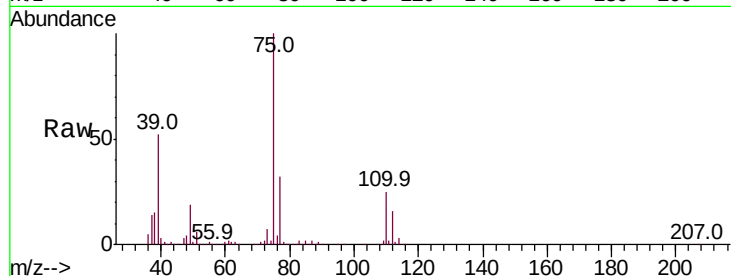




#42
 cis-1,3-Dichloropropene
 Concen: 24.537 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW005946.D
 Acq: 09 Oct 2018 16:54

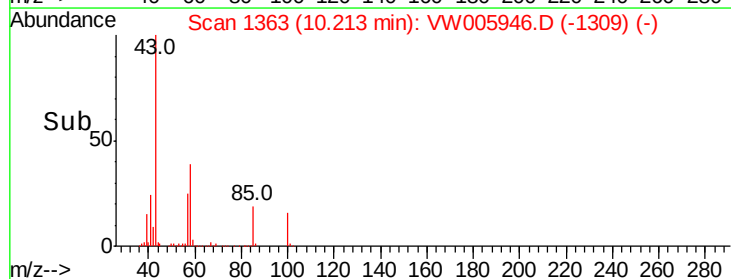
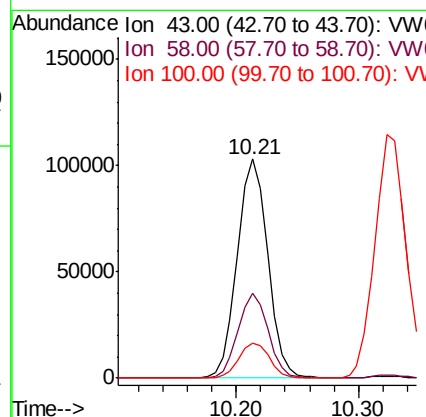
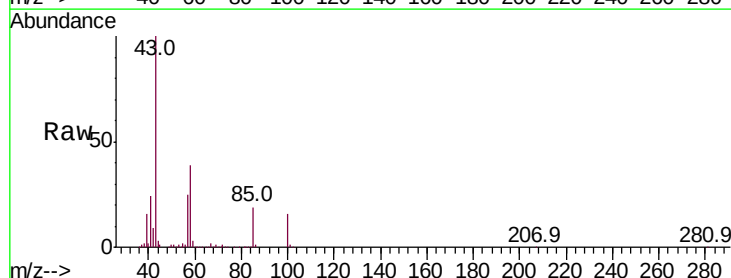
Instrument :
 MSVOA_W
 ClientSampleId :

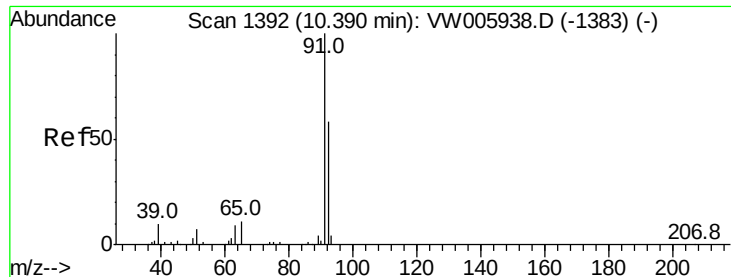
Tot Ion: 75 Resp: 158334
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.6 42.0



#43
 4-Methyl-2-pentanone
 Concen: 56.086 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005946.D
 Acq: 09 Oct 2018 16:54

Tgt Ion: 43 Resp: 177553
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.4 47.2
 100 16.3 13.3 19.9





#44

Toluene

Concen: 24.427 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

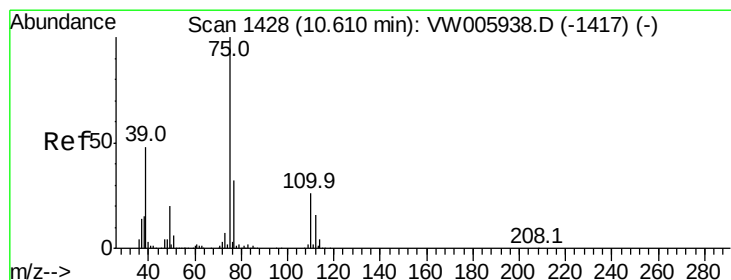
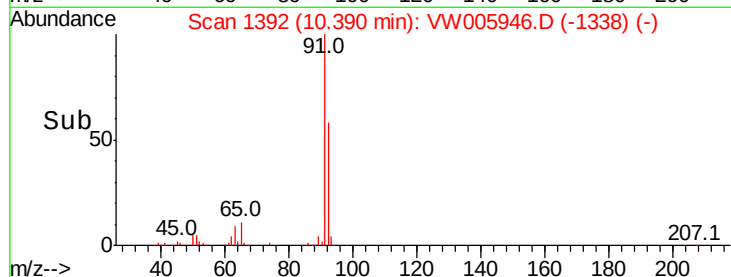
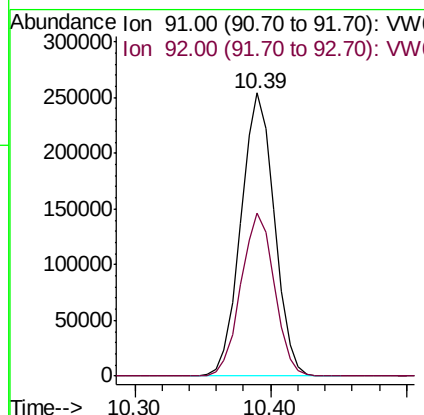
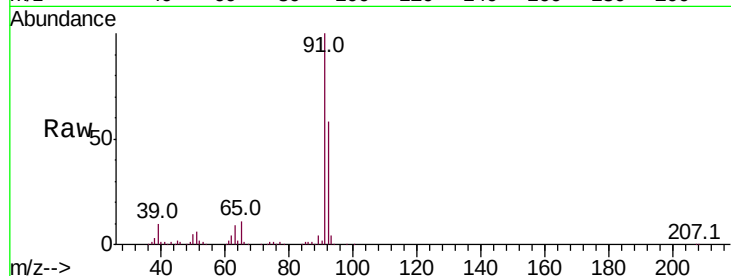
ClientSampleId :

Tot Ion: 91 Resp: 436811

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 25.201 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005946.D

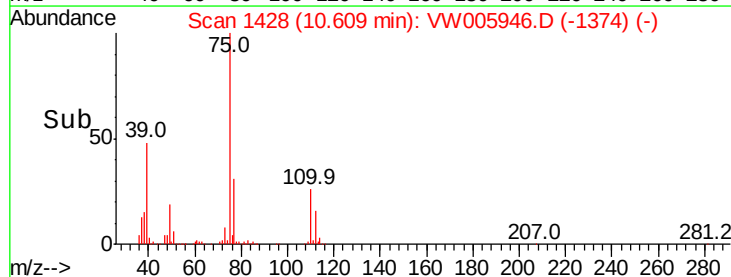
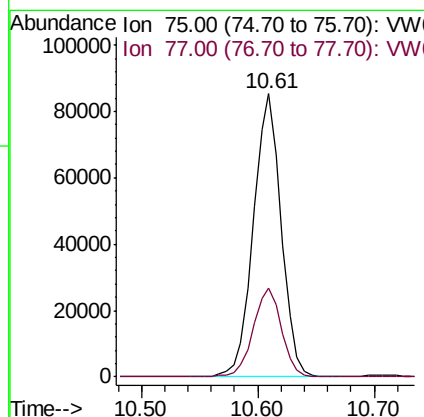
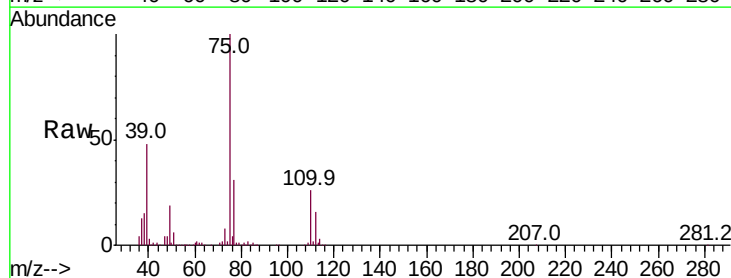
Acq: 09 Oct 2018 16:54

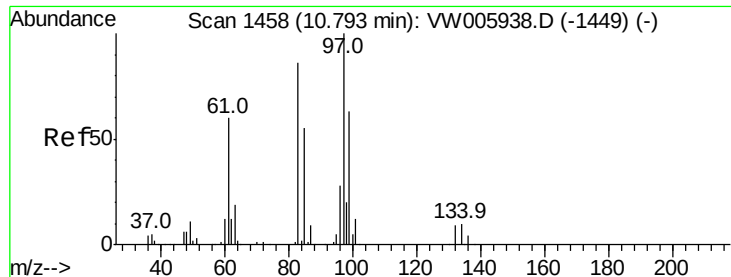
Tgt Ion: 75 Resp: 142042

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 25.182 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

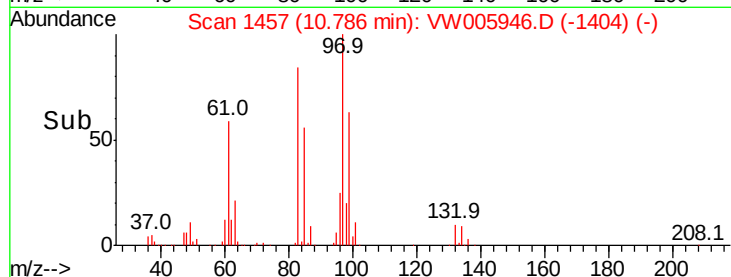
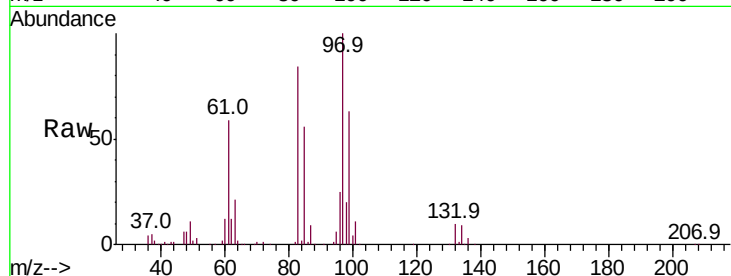
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 82847

Ion	Ratio	Lower	Upper
97	100		
83	84.4	60.0	111.4
85	55.9	38.7	71.9
99	63.2	44.3	82.3



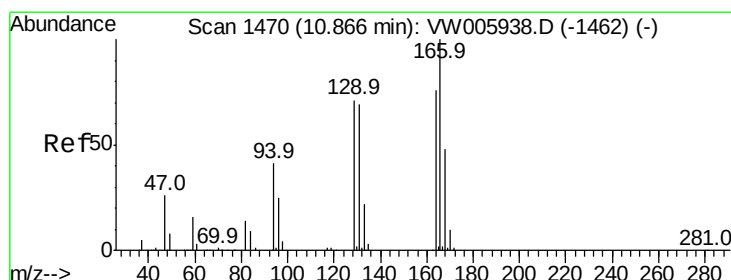
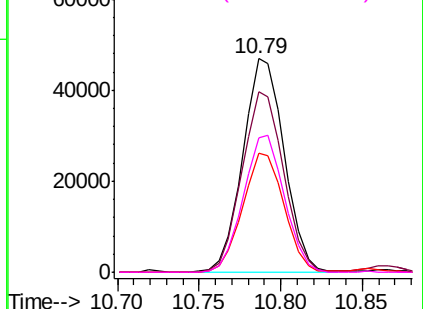
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.295 ug/L

RT: 10.87 min Scan# 1470

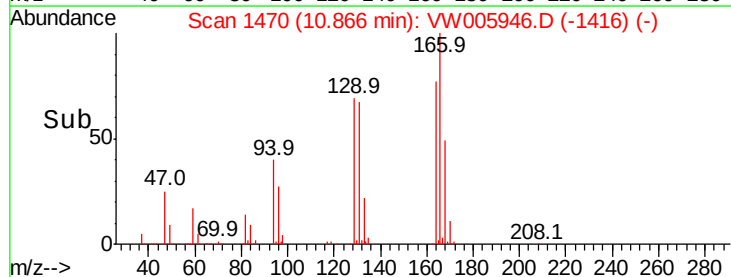
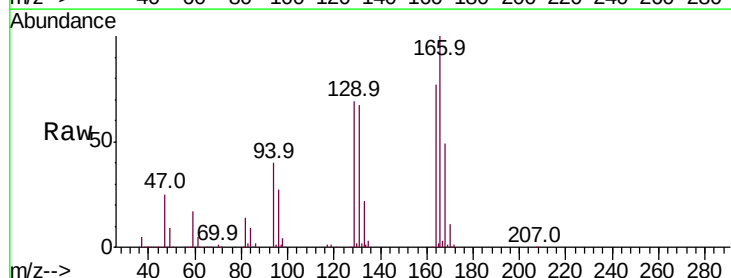
Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Tgt Ion: 164 Resp: 100773

Ion	Ratio	Lower	Upper
164	100		
129	89.4	65.4	121.4
131	87.3	63.8	118.4
166	129.9	92.3	171.3



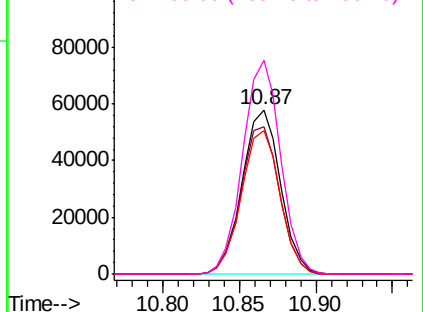
Abundance

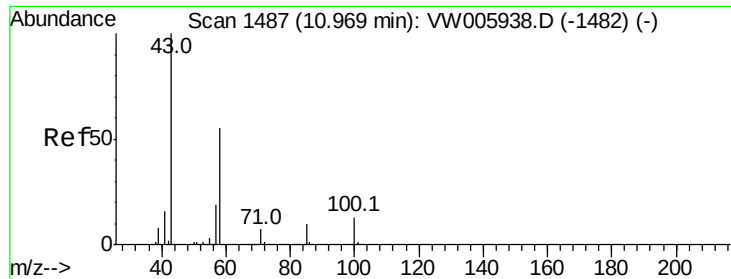
Ion 164.00 (163.70 to 164.70): V

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: 60.787 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 141822

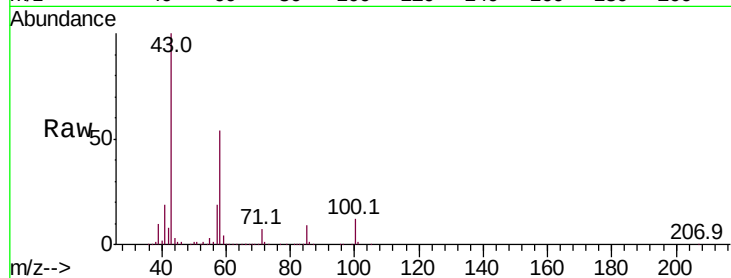
Ion Ratio Lower Upper

43 100

58 53.6 42.1 63.1

57 18.4 15.1 22.7

100 12.1 9.9 14.9

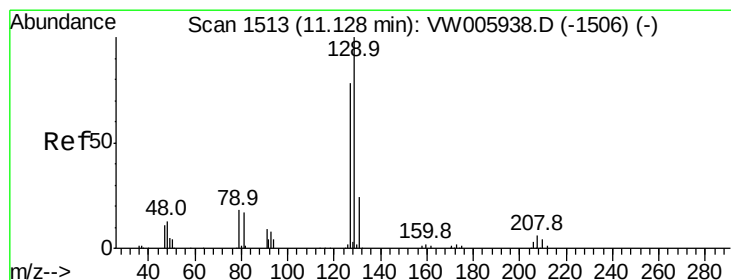
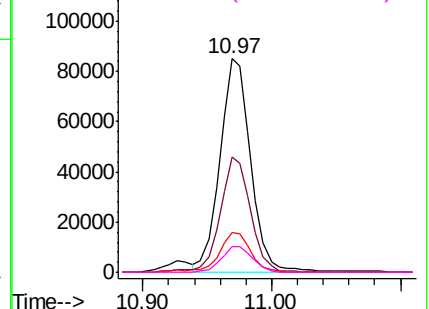
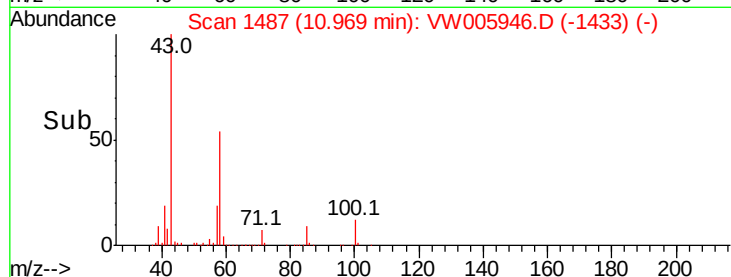


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.075 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW005946.D

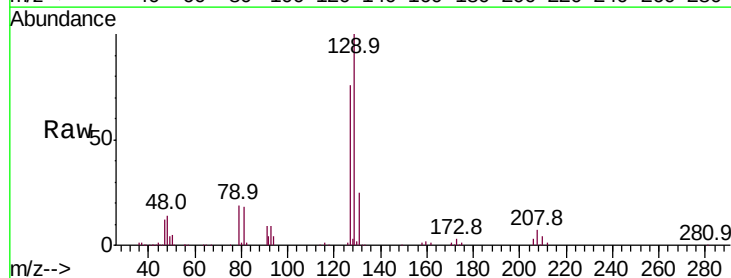
Acq: 09 Oct 2018 16:54

Tgt Ion:129 Resp: 105739

Ion Ratio Lower Upper

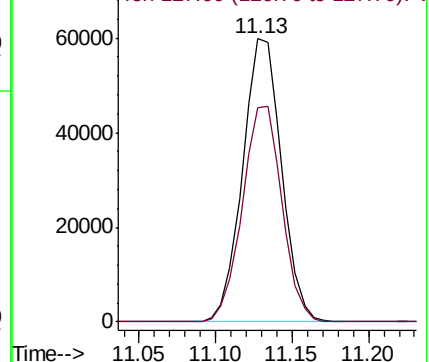
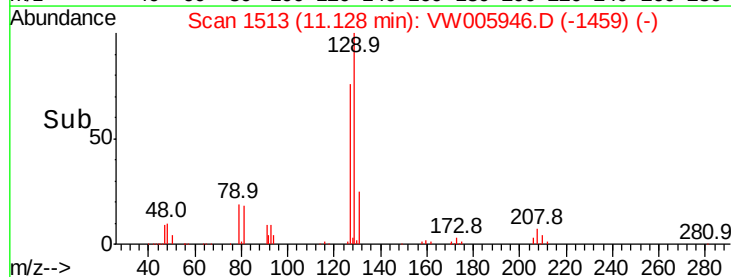
129 100

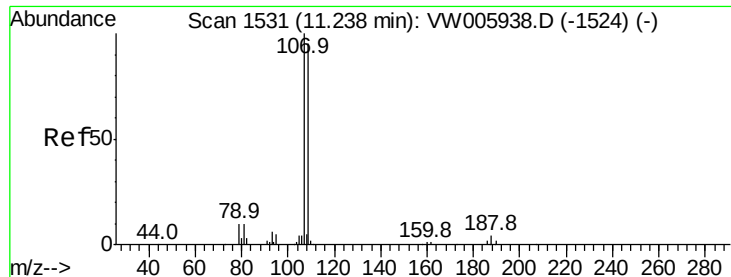
127 75.9 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

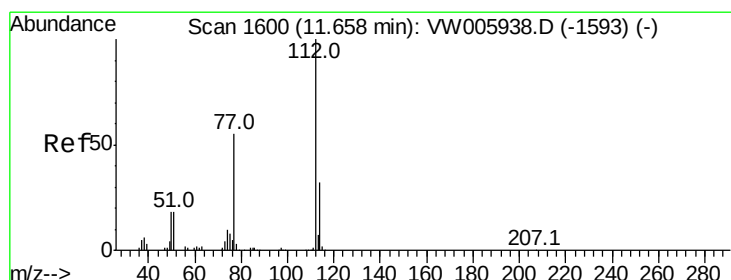
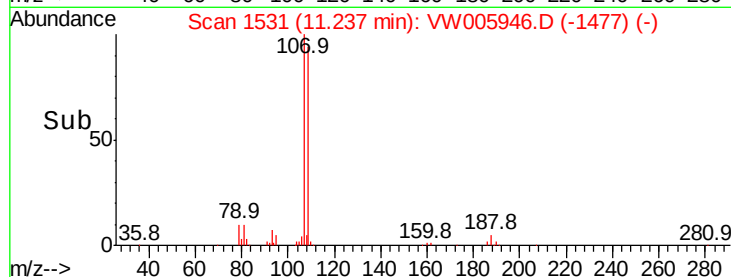
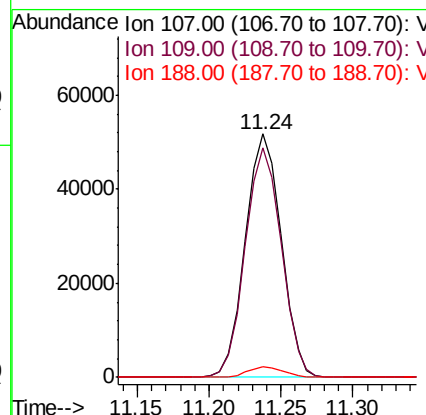
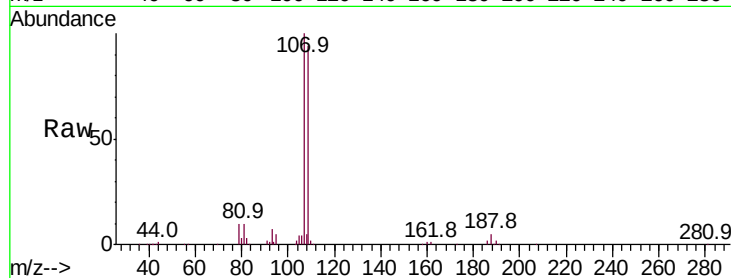




#51
 1,2-Dibromoethane
 Concen: 26.164 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005946.D
 Acq: 09 Oct 2018 16:54

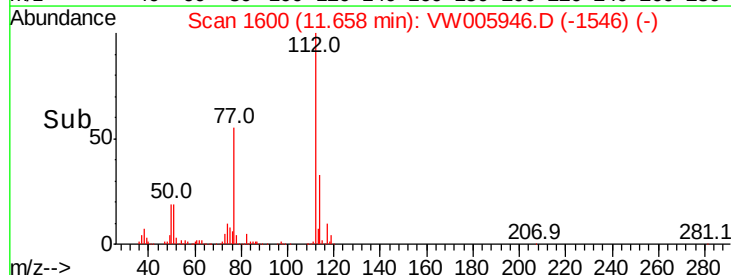
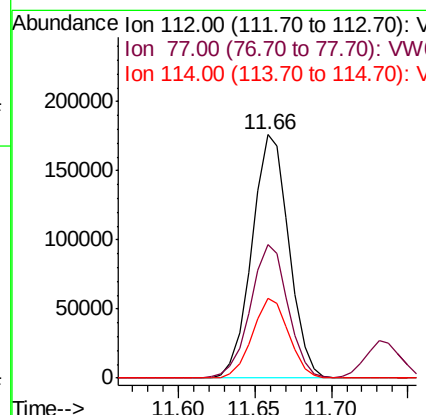
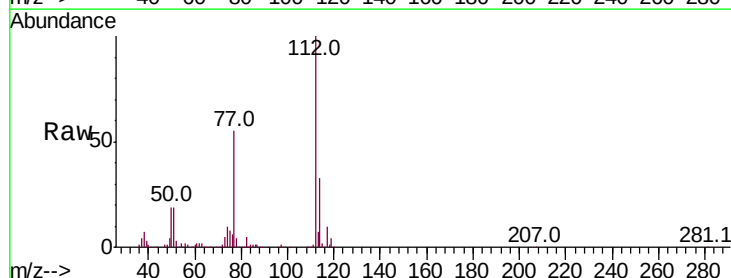
Instrument :
 MSVOA_W
 ClientSampleId :

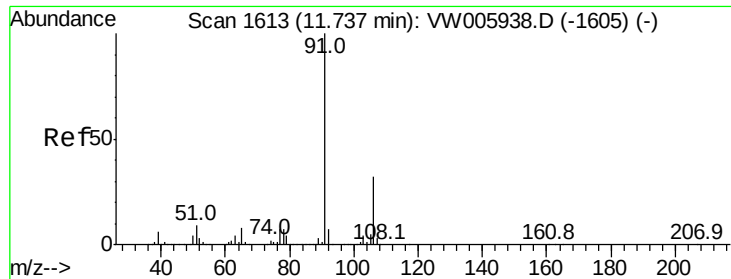
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	66.6	123.8
188	4.5	3.4	5.0



#52
 Chlorobenzene
 Concen: 24.501 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW005946.D
 Acq: 09 Oct 2018 16:54

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.1	44.2	66.2
114	32.6	22.1	41.1





#53

Ethylbenzene

Concen: 24.392 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

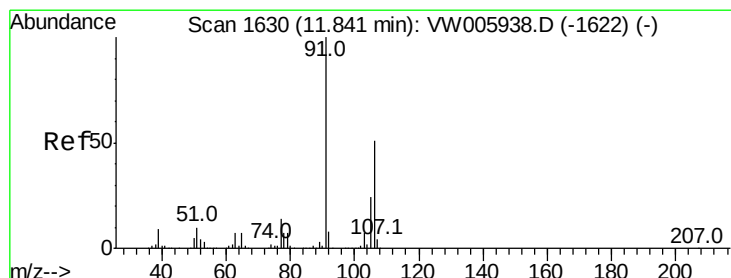
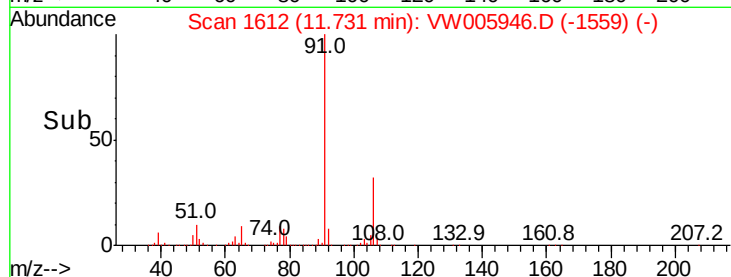
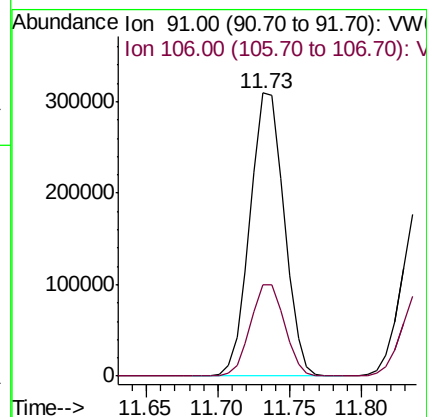
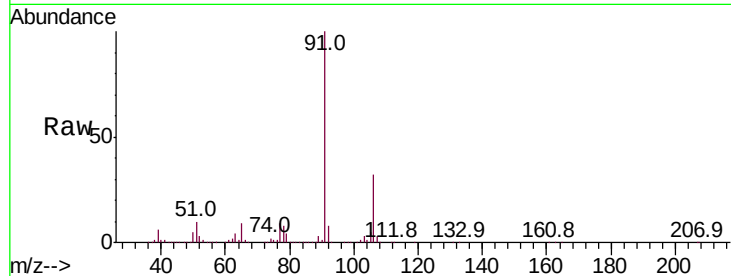
ClientSampleId :

Tot Ion: 91 Resp: 507804

Ion Ratio Lower Upper

91 100

106 32.1 22.6 42.0



#54

m,p-Xylene

Concen: 24.429 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW005946.D

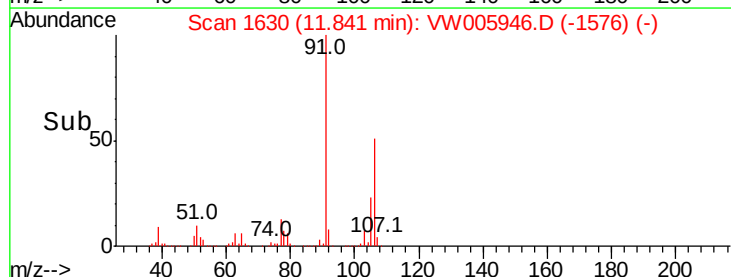
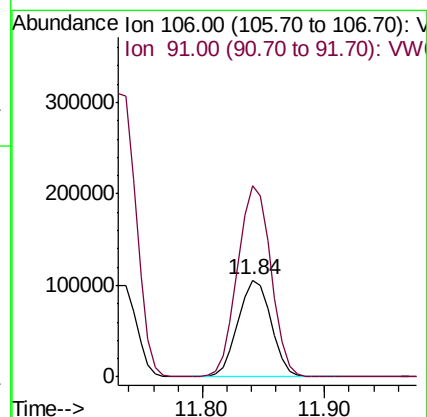
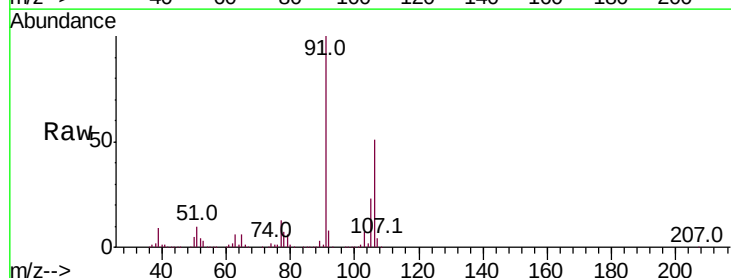
Acq: 09 Oct 2018 16:54

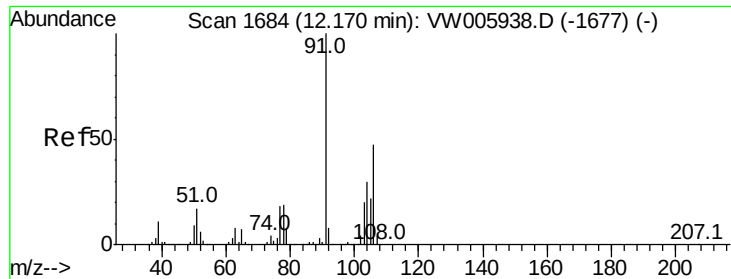
Tgt Ion:106 Resp: 199348

Ion Ratio Lower Upper

106 100

91 197.8 138.4 257.0





#55

o-xylene

Concen: 24.552 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

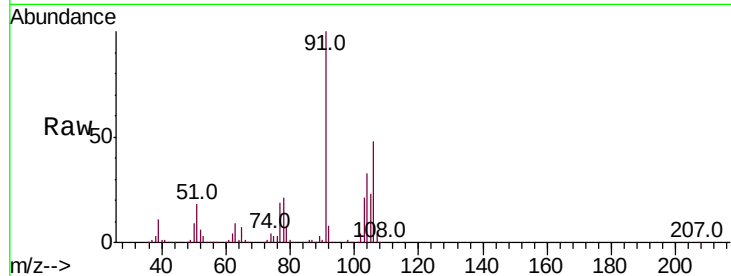
ClientSampled :

Tot Ion:106 Resp: 191300

Ion Ratio Lower Upper

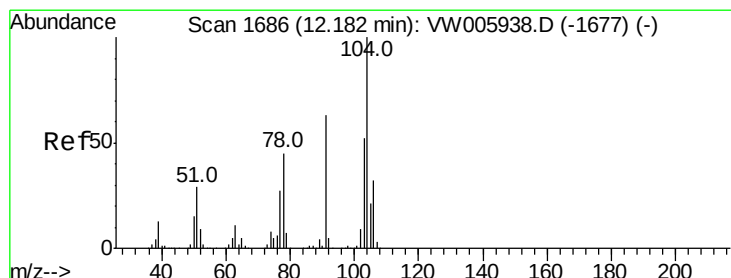
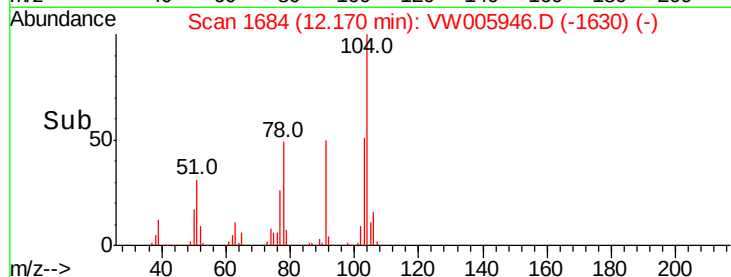
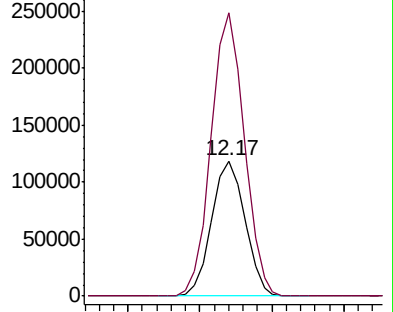
106 100

91 209.3 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.456 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW005946.D

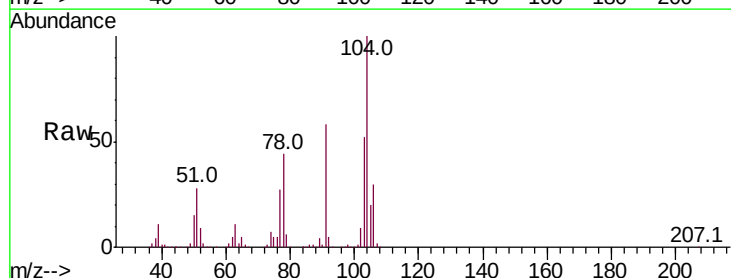
Acq: 09 Oct 2018 16:54

Tgt Ion:104 Resp: 328143

Ion Ratio Lower Upper

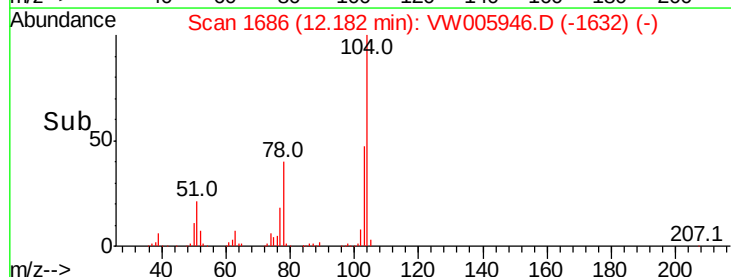
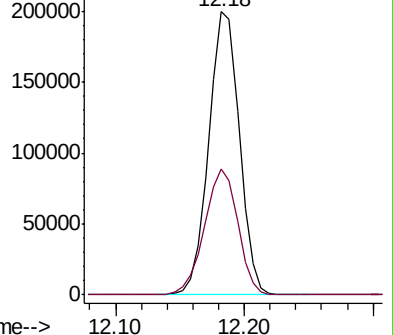
104 100

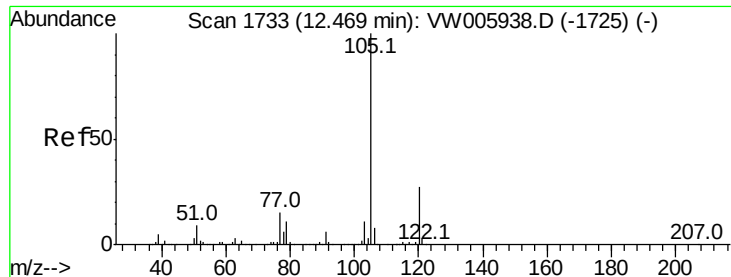
78 44.3 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.425 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

ClientSampled :

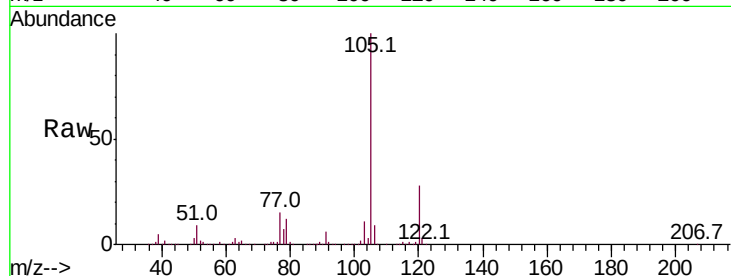
Tot Ion:105 Resp: 529535

Ion Ratio Lower Upper

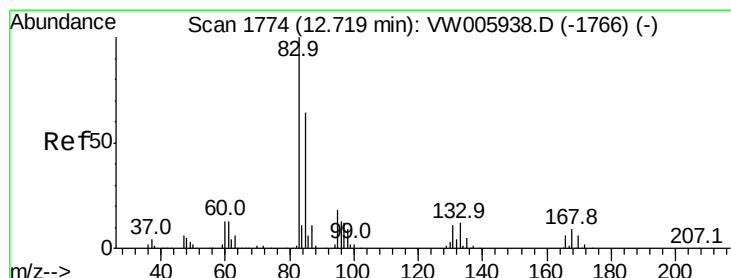
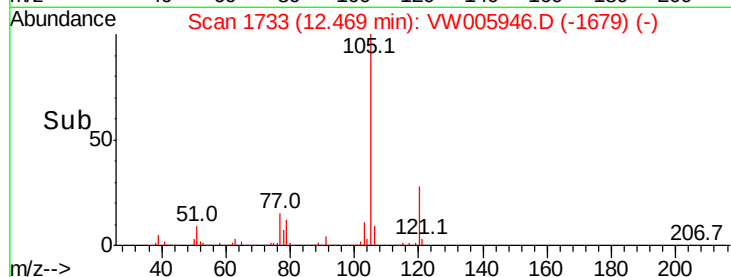
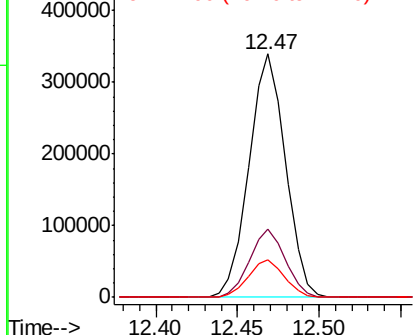
105 100

120 27.4 21.8 32.6

77 15.3 12.2 18.2



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: 27.592 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

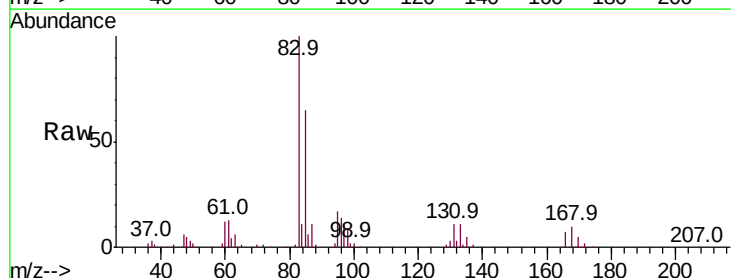
Tgt Ion: 83 Resp: 117966

Ion Ratio Lower Upper

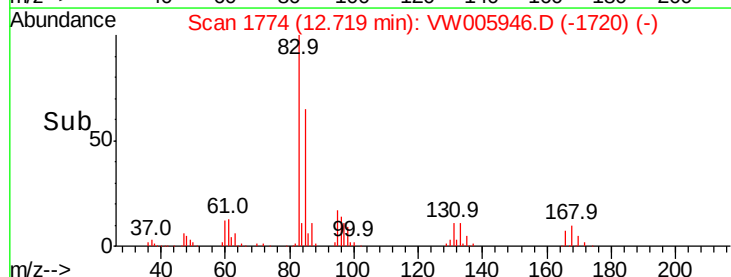
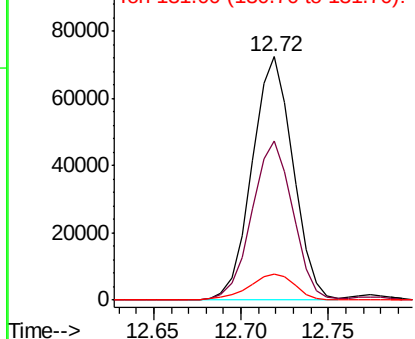
83 100

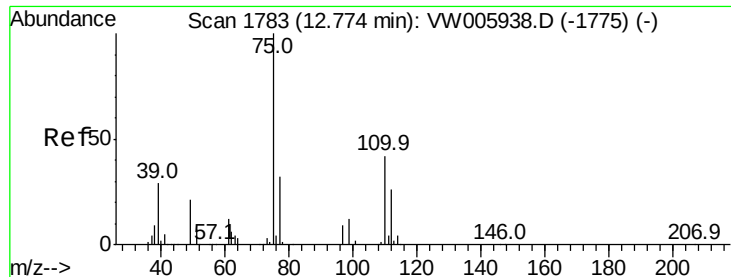
85 65.3 44.8 83.2

131 10.7 9.0 13.4



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: 27.620 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

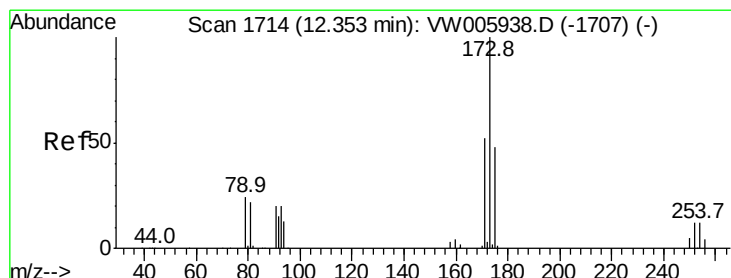
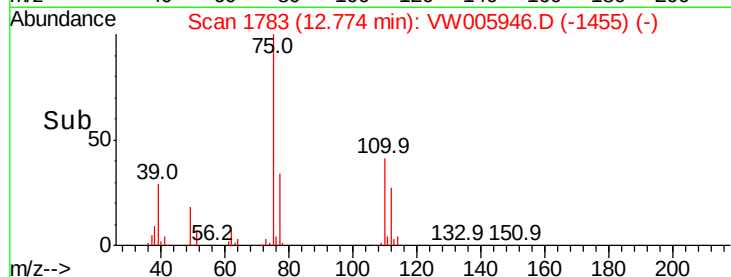
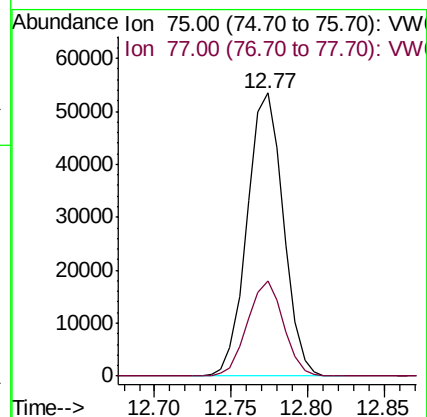
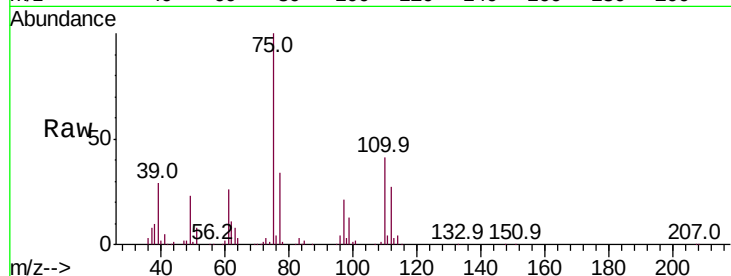
ClientSampled :

Tot Ion: 75 Resp: 88102

Ion Ratio Lower Upper

75 100

77 33.3 25.9 38.9



#62

Bromoform

Concen: 26.124 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

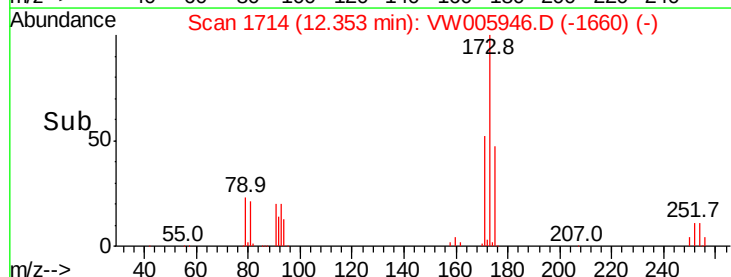
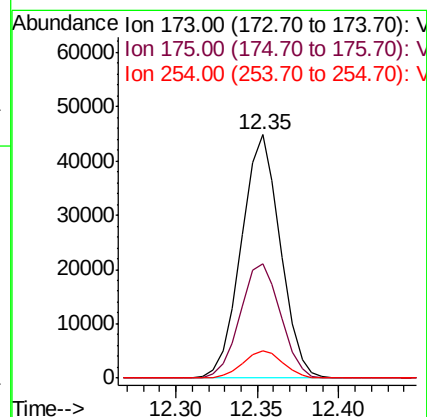
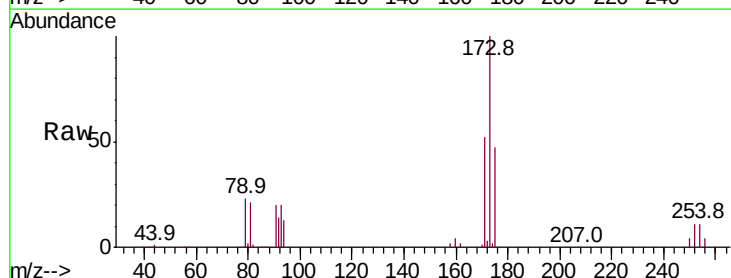
Tgt Ion:173 Resp: 74603

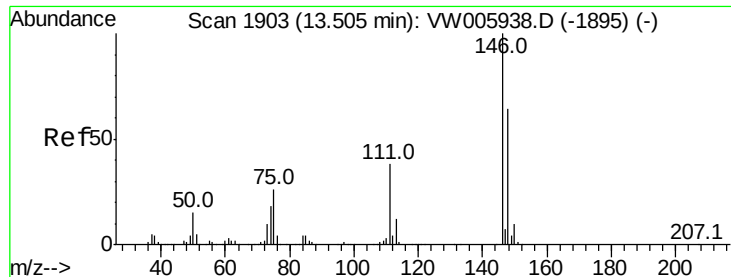
Ion Ratio Lower Upper

173 100

175 48.8 39.1 58.7

254 11.5 9.2 13.8

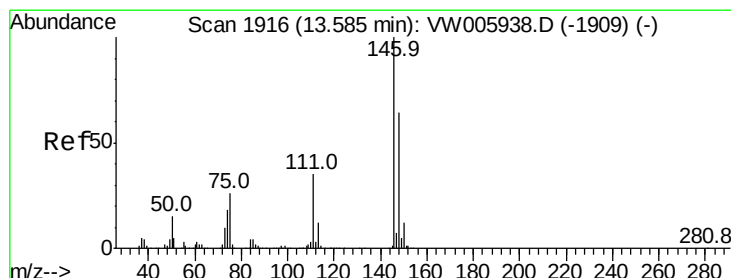
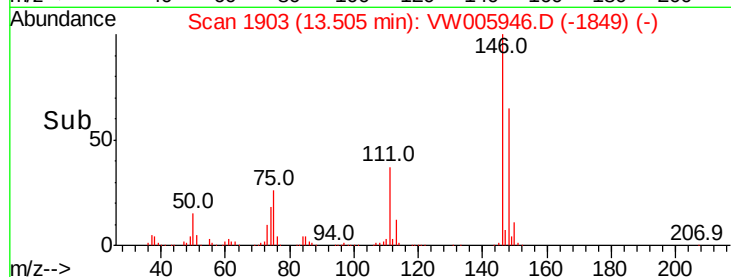
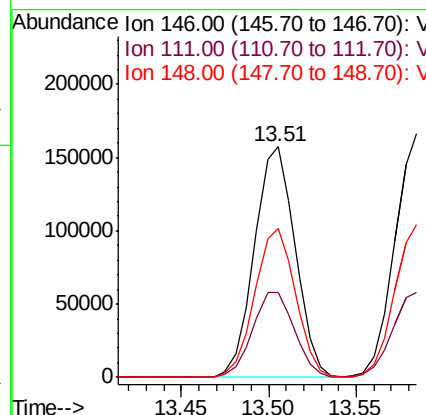
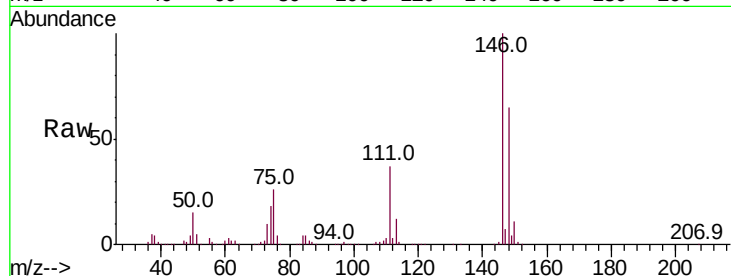




#63
1,3-Dichlorobenzene
Concen: 24.391 ug/L
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW005946.D
Acq: 09 Oct 2018 16:54

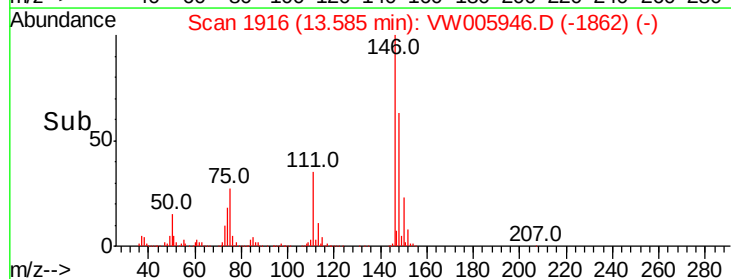
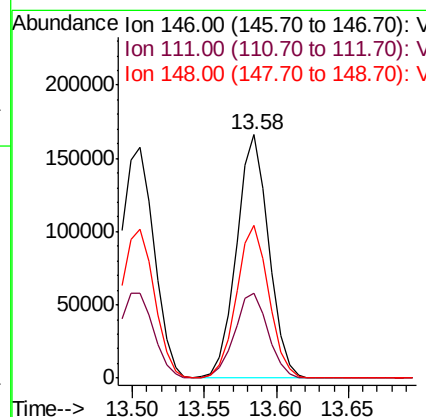
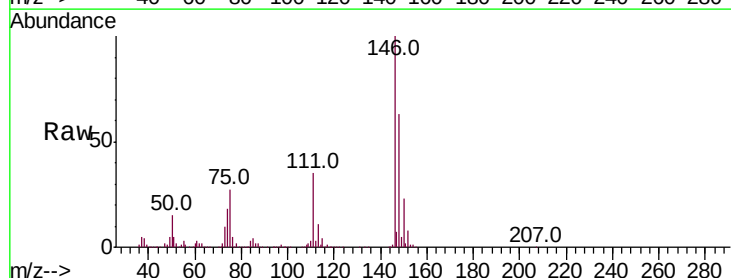
Instrument :
MSVOA_W
ClientSampled :

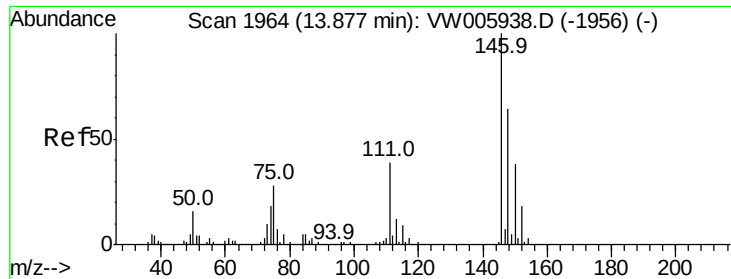
Tot Ion:146 Resp: 255283
Ion Ratio Lower Upper
146 100
111 37.0 26.3 48.9
148 64.7 44.7 82.9



#64
1,4-Dichlorobenzene
Concen: 24.517 ug/L
RT: 13.58 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VW005946.D
Acq: 09 Oct 2018 16:54

Tgt Ion:146 Resp: 258396
Ion Ratio Lower Upper
146 100
111 34.8 24.7 45.9
148 62.7 44.9 83.5

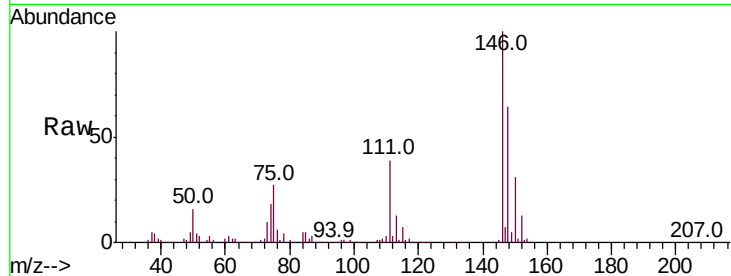




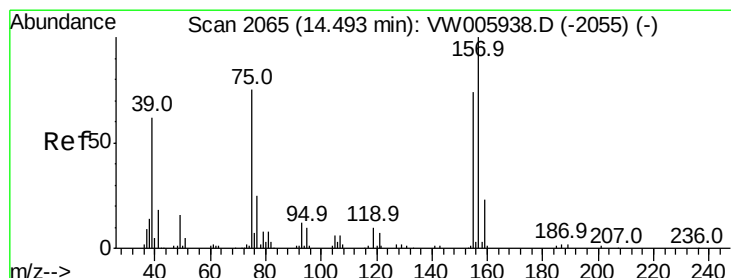
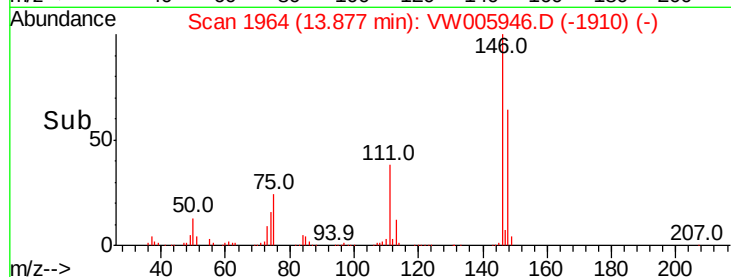
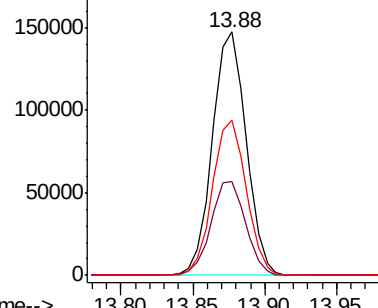
#65
 1,2-Dichlorobenzene
 Concen: 24.906 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005946.D
 Acq: 09 Oct 2018 16:54

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 239802
 Ion Ratio Lower Upper
 146 100
 111 38.7 31.1 46.7
 148 63.8 51.2 76.8

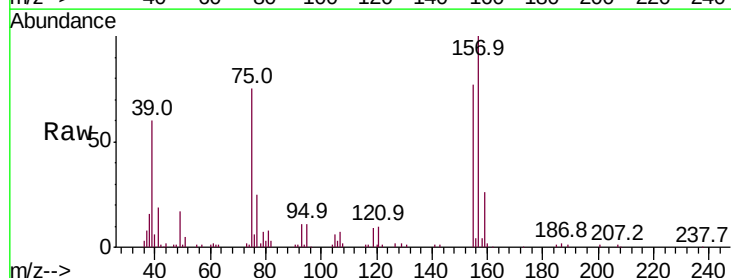


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

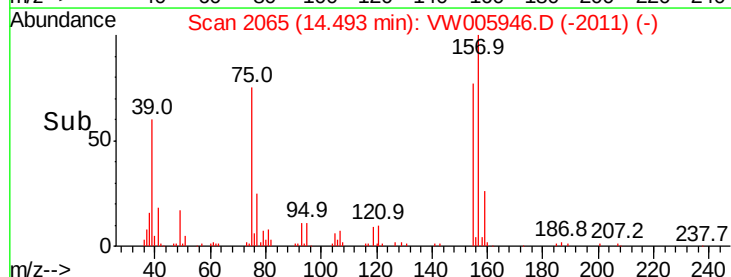
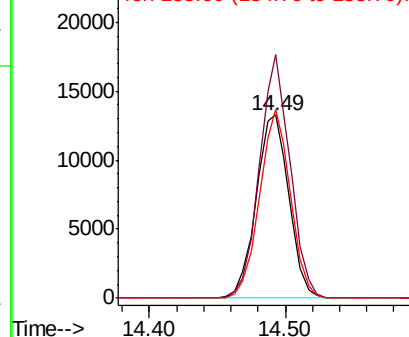


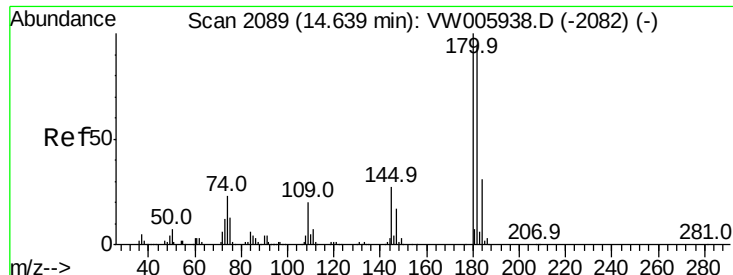
#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.783 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005946.D
 Acq: 09 Oct 2018 16:54

Tgt Ion: 75 Resp: 22307
 Ion Ratio Lower Upper
 75 100
 157 133.1 106.8 160.2
 155 102.9 79.2 118.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

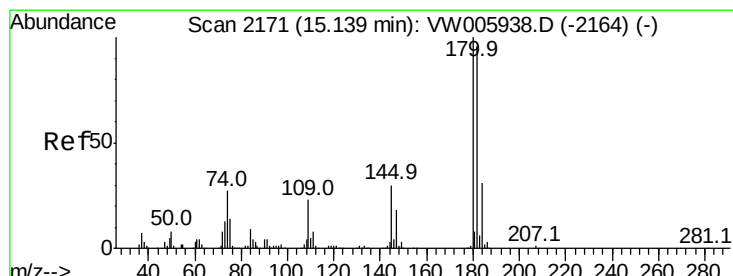
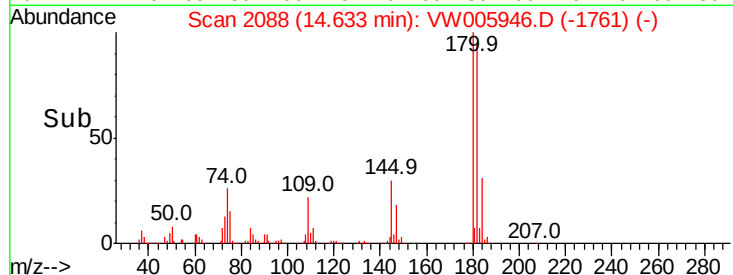
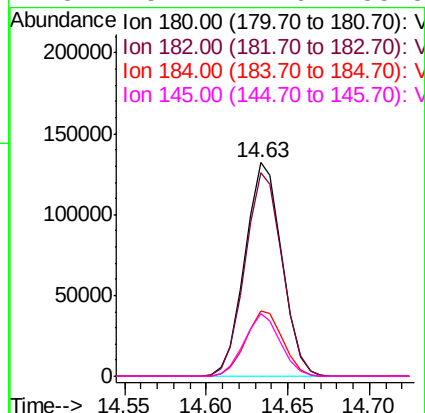
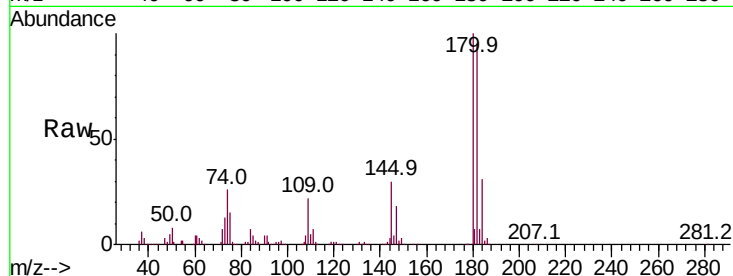




#67
 1,3,5-Trichlorobenzene
 Concen: 24.742 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW005946.D
 Acq: 09 Oct 2018 16:54

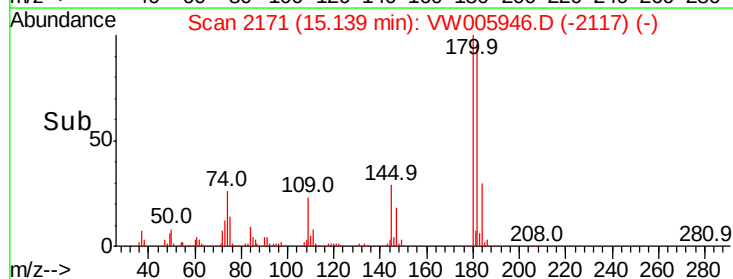
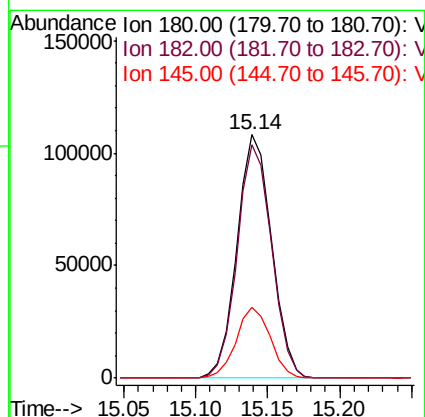
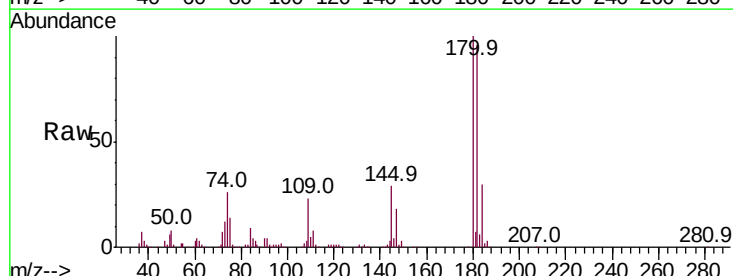
Instrument :
 MSVOA_W
 ClientSampleId :

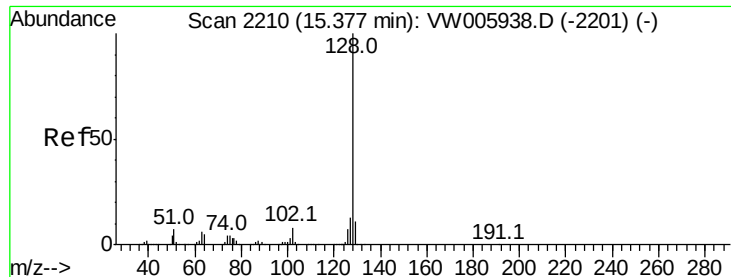
Tot Ion:	180	Resp:	208733
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.0	114.0
184	30.8	24.3	36.5
145	28.4	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 25.124 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005946.D
 Acq: 09 Oct 2018 16:54

Tgt Ion:	180	Resp:	180736
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
145	28.6	23.0	34.6





#69

Naphthalene

Concen: 27.352 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

Instrument :

MSVOA_W

ClientSampleId :

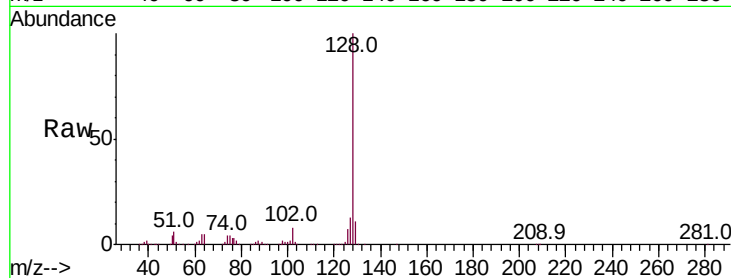
Tot Ion:128 Resp: 398391

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.0 10.5 15.7

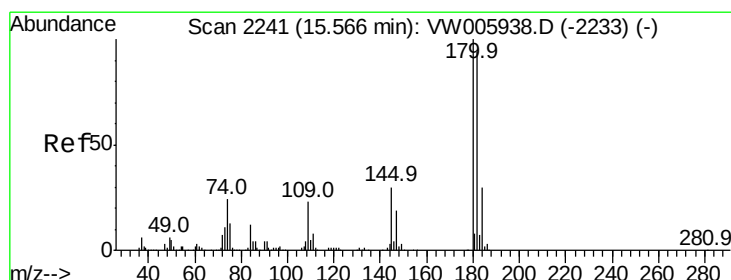
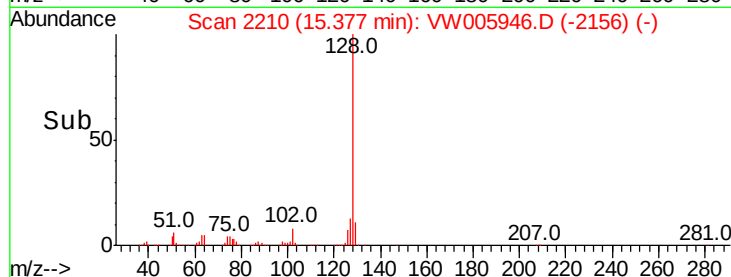
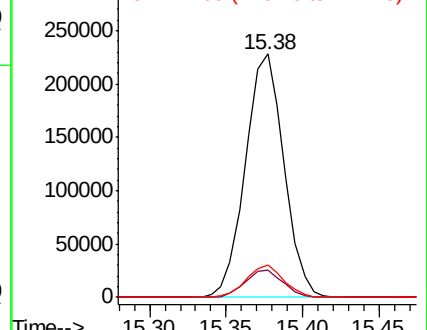


Abundance

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: 25.537 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005946.D

Acq: 09 Oct 2018 16:54

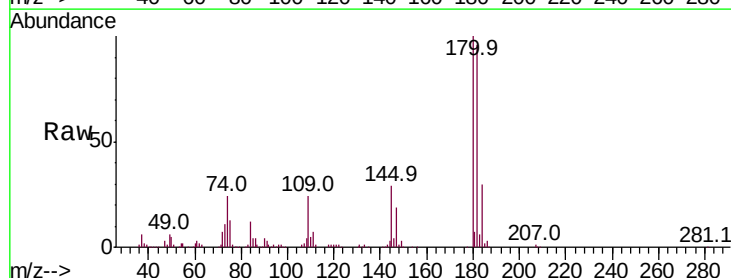
Tgt Ion:180 Resp: 165045

Ion Ratio Lower Upper

180 100

182 96.1 75.5 113.3

145 30.6 24.5 36.7



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

