

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082918\
 Data File : VW005004.D
 Acq On : 29 Aug 2018 15:19
 Operator : SY/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082918

Quant Time: Aug 30 01:52:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:51:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	577345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	819226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	802644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	441961	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	186402	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
35) Dibromofluoromethane	7.89	113	193803	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	10.33	98	1117322	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.62	95	402382	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	225947	45.301	ug/l	98
3) Chloromethane	2.22	50	328581	46.386	ug/l	98
4) Vinyl Chloride	2.36	62	330803	46.785	ug/l	98
5) Bromomethane	2.78	94	214053	46.313	ug/l	99
6) Chloroethane	2.92	64	197285	47.184	ug/l	97
7) Trichlorofluoromethane	3.26	101	344356	47.102	ug/l	97
8) Diethyl Ether	3.69	74	101572	48.862	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	212137	47.012	ug/l	99
10) Methyl Iodide	4.28	142	303509	44.049	ug/l	99
11) Tert butyl alcohol	5.21	59	62471	218.312	ug/l	98
12) 1,1-Dichloroethene	4.04	96	202905	48.129	ug/l	98
13) Acrolein	3.91	56	74771	222.032	ug/l	100
14) Allyl chloride	4.67	41	324369	49.966	ug/l	99
15) Acrylonitrile	5.38	53	257048	242.477	ug/l	100
16) Acetone	4.14	43	201076	225.774	ug/l	98
17) Carbon Disulfide	4.38	76	848895	47.905	ug/l	100
18) Methyl Acetate	4.68	43	100258	46.476	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	467459	51.598	ug/l	98
20) Methylene Chloride	4.92	84	304352	48.073	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	218236	47.675	ug/l	97
22) Diisopropyl ether	6.32	45	703133	53.058	ug/l	97
23) Vinyl Acetate	6.26	43	1792704	264.591	ug/l	100
24) 1,1-Dichloroethane	6.22	63	382487	47.703	ug/l	99
25) 2-Butanone	7.18	43	342198	246.393	ug/l	99
26) 2,2-Dichloropropane	7.17	77	347852	49.427	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	241532	48.503	ug/l	99
28) Bromochloromethane	7.51	49	168410	47.766	ug/l	100
29) Tetrahydrofuran	7.54	42	174477	248.689	ug/l	99
30) Chloroform	7.68	83	370666	47.000	ug/l	99
31) Cyclohexane	7.96	56	434021	51.073	ug/l	100
32) 1,1,1-Trichloroethane	7.88	97	355991	49.057	ug/l	99
36) 1,1-Dichloropropene	8.09	75	358185	51.601	ug/l	100
37) Ethyl Acetate	7.26	43	127125	50.810	ug/l	99
38) Carbon Tetrachloride	8.07	117	320705	47.741	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	495628	51.796	ug/l	98
40) Benzene	8.33	78	1120426	50.427	ug/l	99
41) Methacrylonitrile	7.49	41	74049	50.787	ug/l	95
42) 1,2-Dichloroethane	8.40	62	227438	46.002	ug/l	99
43) Isopropyl Acetate	8.43	43	248758	49.967	ug/l	99
44) Trichloroethene	9.10	130	286199	50.430	ug/l	97
45) 1,2-Dichloropropane	9.37	63	255575	50.275	ug/l	99
46) Dibromomethane	9.46	93	112591	46.795	ug/l	98
47) Bromodichloromethane	9.65	83	285145	47.962	ug/l	100
48) Methyl methacrylate	9.44	41	142035	48.438	ug/l	98
49) 1,4-Dioxane	9.48	88	49112	983.614	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	946224	253.770	ug/l	99
52) Toluene	10.39	92	804942	48.831	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	328041	51.665	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	383701	51.824	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	189883	48.215	ug/l	98
56) Ethyl methacrylate	10.65	69	268362	51.951	ug/l	98
57) 1,3-Dichloropropane	10.94	76	324477	50.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	588675	264.516	ug/l	100
59) 2-Hexanone	10.98	43	704772	261.057	ug/l	100
60) Dibromochloromethane	11.13	129	217347	50.286	ug/l	99
61) 1,2-Dibromoethane	11.24	107	185223	50.167	ug/l	100
64) Tetrachloroethene	10.87	164	289858	49.531	ug/l	96
65) Chlorobenzene	11.66	112	875996	49.675	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	250447	51.708	ug/l	99
67) Ethyl Benzene	11.74	91	1561304	51.707	ug/l	99
68) m/p-Xylenes	11.84	106	1258800	102.210	ug/l	100
69) o-Xylene	12.17	106	586780	52.142	ug/l	100
70) Styrene	12.19	104	972156	52.076	ug/l	100
71) Bromoform	12.35	173	137138	50.922	ug/l #	100
73) Isopropylbenzene	12.47	105	1585767	53.824	ug/l	99
74) N-amyl acetate	12.28	43	301506	54.230	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	232283	52.072	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	316525	101.120	ug/l #	100
77) Bromobenzene	12.75	156	370055	51.193	ug/l	100
78) n-propylbenzene	12.81	91	1934858	53.241	ug/l	99
79) 2-Chlorotoluene	12.90	91	1090852	51.971	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1370558	52.653	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	76137	54.971	ug/l	98
82) 4-Chlorotoluene	12.99	91	1161539	51.940	ug/l	99
83) tert-Butylbenzene	13.21	119	1171146	53.568	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1401189	53.053	ug/l	100
85) sec-Butylbenzene	13.39	105	1709846	53.278	ug/l	100
86) p-Isopropyltoluene	13.51	119	1545140	53.740	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	773580	50.481	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	760691	50.114	ug/l	99
89) n-Butylbenzene	13.83	91	1459786	54.084	ug/l	100
90) Hexachloroethane	14.10	117	235971	52.210	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	685413	50.810	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	39591	51.388	ug/l	99

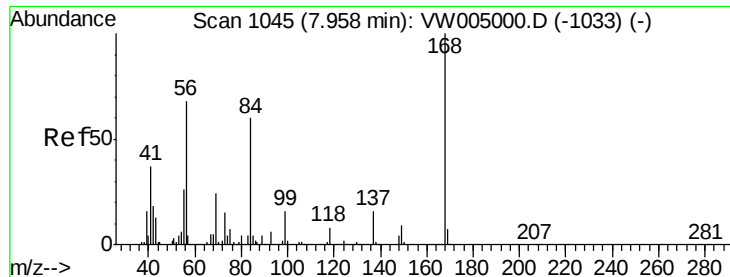
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Quant Title : SW846 8260
QLast Update : Thu Aug 30 01:51:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	504066	53.338	ug/l	100
94) Hexachlorobutadiene	15.24	225	302311	51.104	ug/l	99
95) Naphthalene	15.38	128	871943	49.442	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	444636	53.258	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

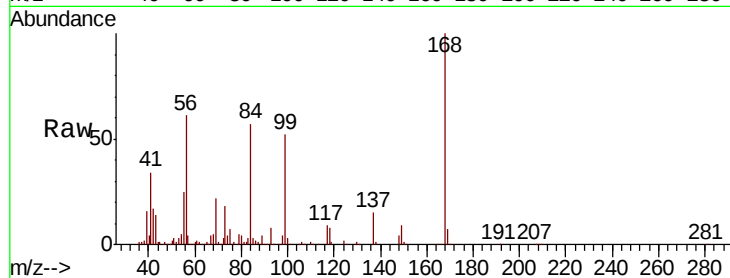
ICVW082918

Tgt Ion:168 Resp: 577345

Ion Ratio Lower Upper

168 100

99 51.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

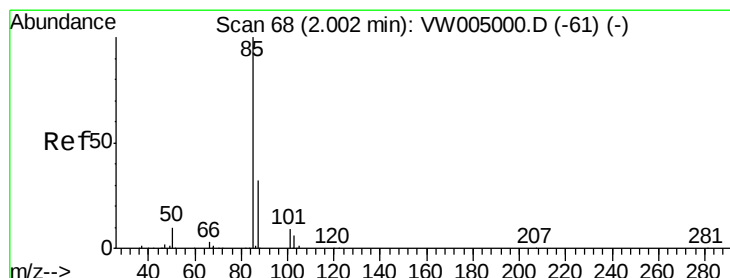
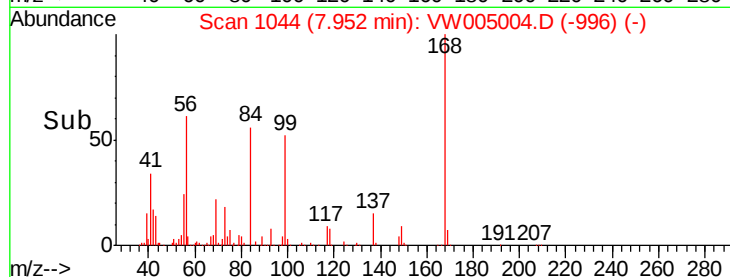
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 45.301 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005004.D

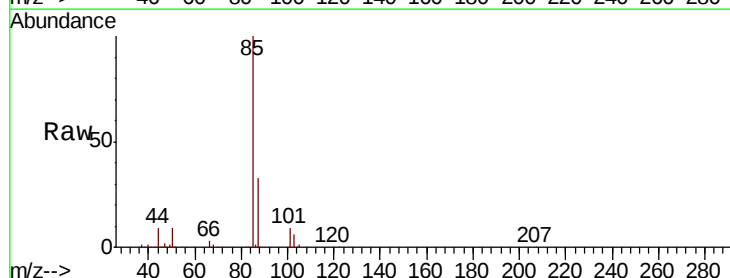
Acq: 29 Aug 2018 15:19

Tgt Ion: 85 Resp: 225947

Ion Ratio Lower Upper

85 100

87 32.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

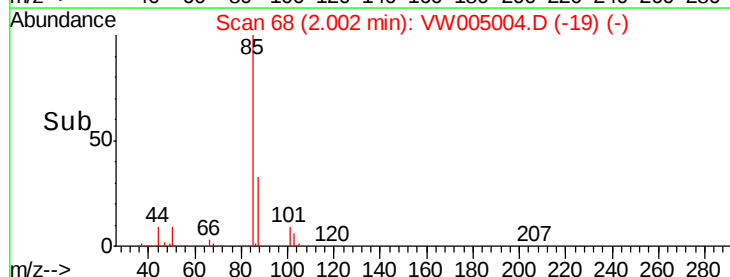
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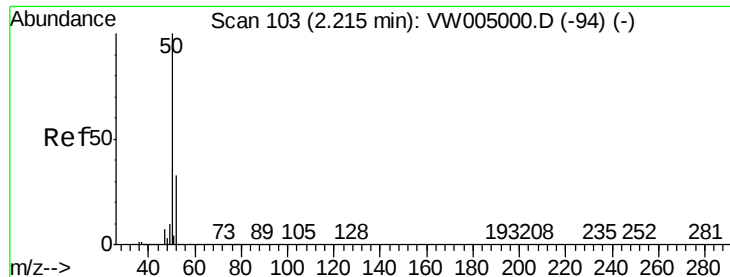
100000

50000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 46.386 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

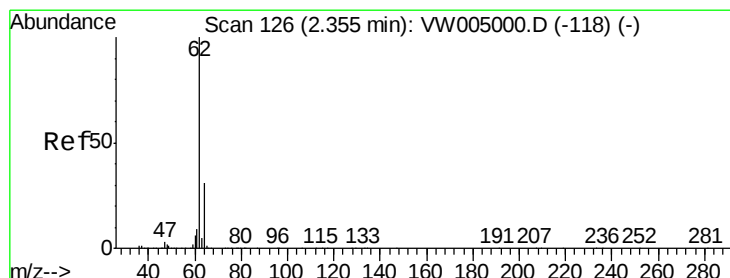
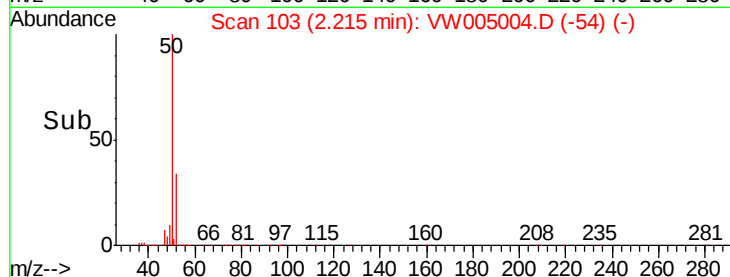
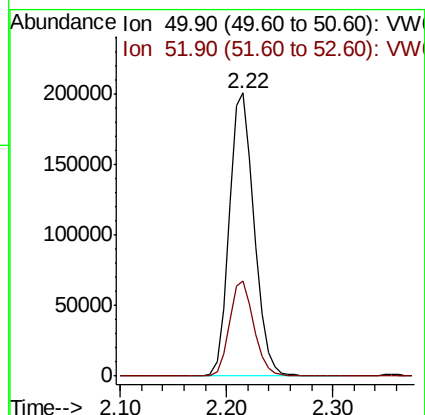
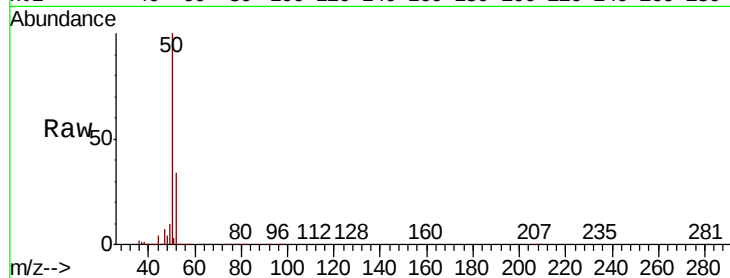
ICVW082918

Tgt Ion: 50 Resp: 328581

Ion Ratio Lower Upper

50 100

52 33.7 26.1 39.1



#4

Vinyl Chloride

Concen: 46.785 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW005004.D

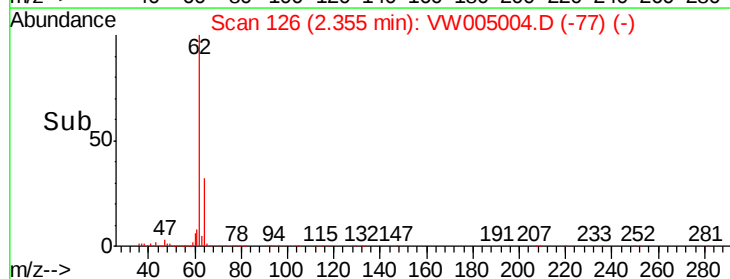
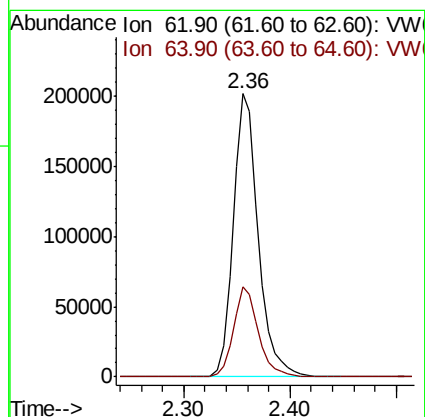
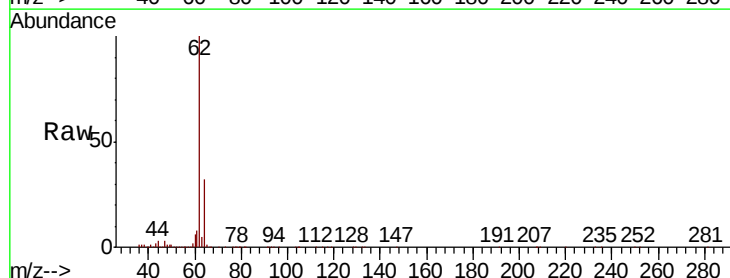
Acq: 29 Aug 2018 15:19

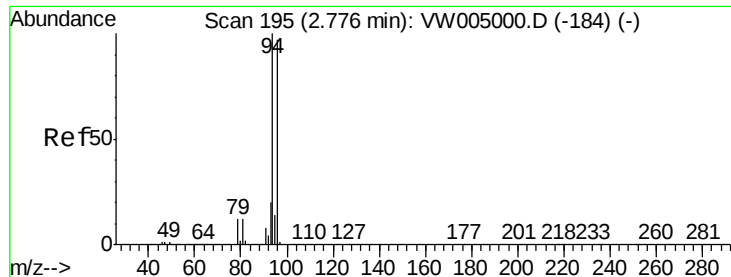
Tgt Ion: 62 Resp: 330803

Ion Ratio Lower Upper

62 100

64 31.9 24.8 37.2





#5

Bromomethane

Concen: 46.313 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

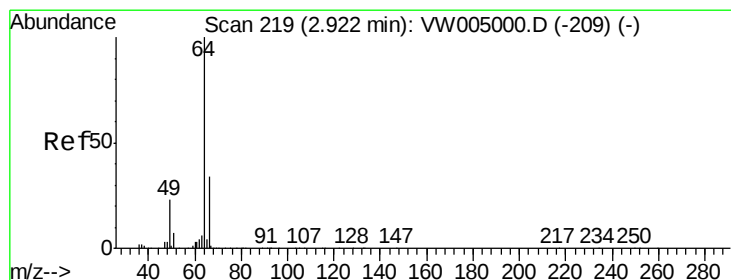
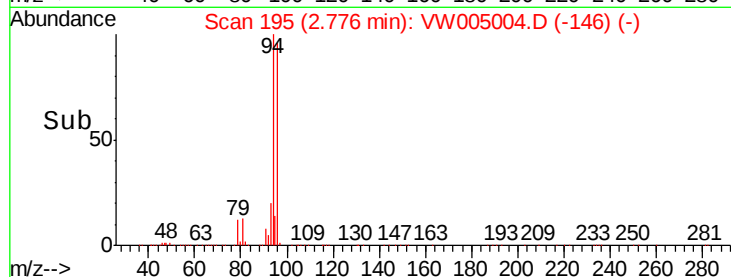
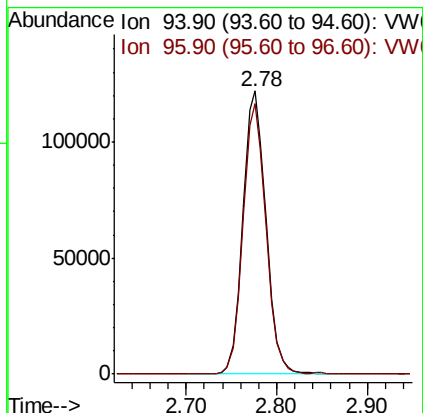
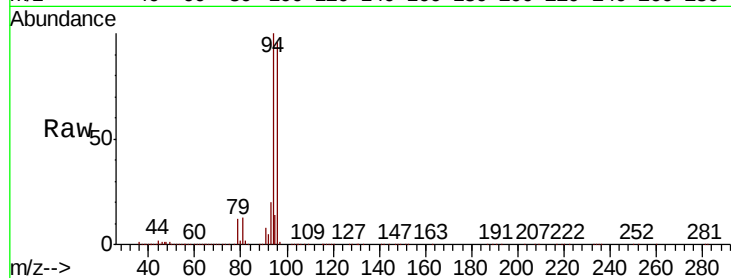
ICVW082918

Tgt Ion: 94 Resp: 214053

Ion Ratio Lower Upper

94 100

96 95.5 77.5 116.3



#6

Chloroethane

Concen: 47.184 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005004.D

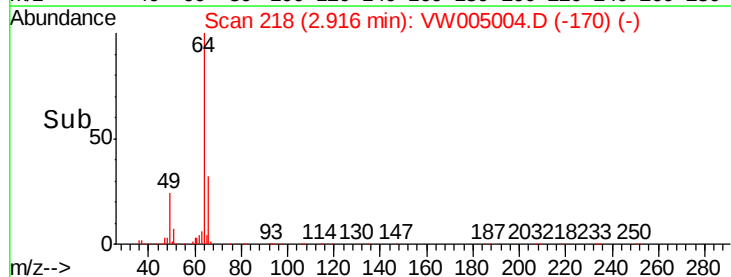
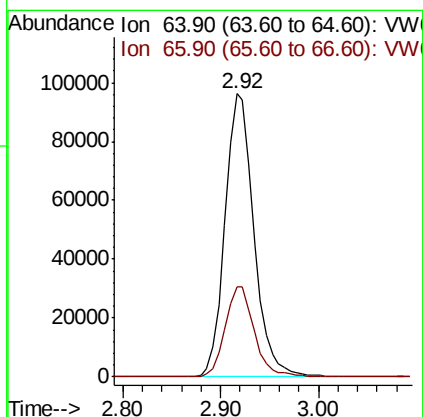
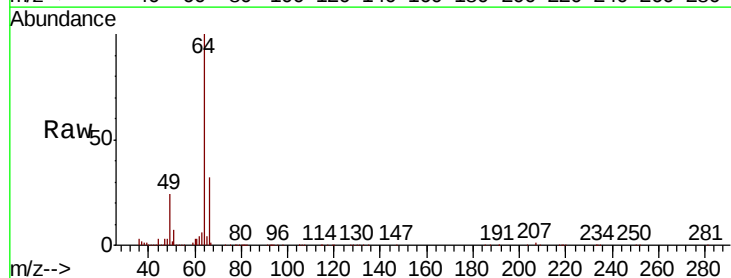
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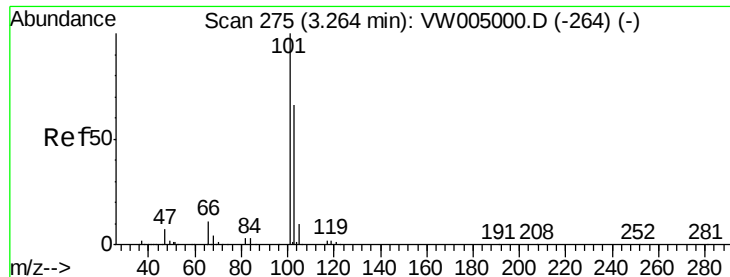
Tgt Ion: 64 Resp: 197285

Ion Ratio Lower Upper

64 100

66 31.5 26.8 40.2



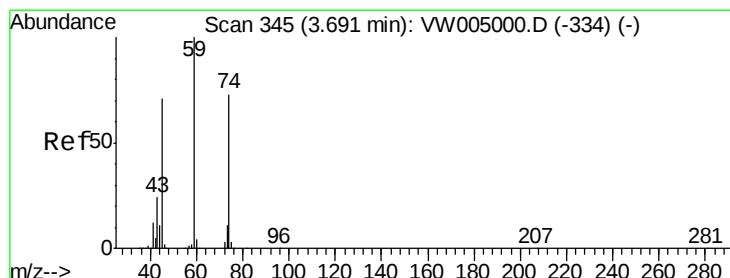
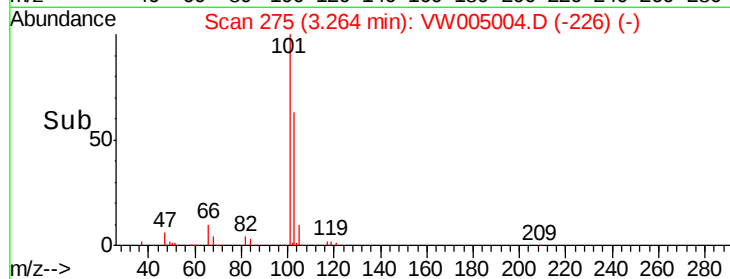
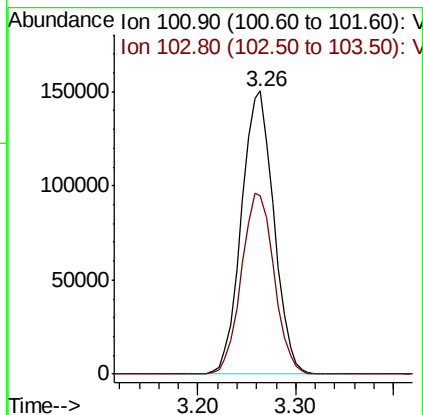
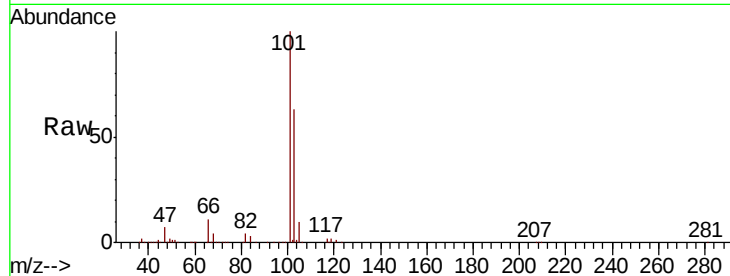


#7

Trichlorofluoromethane
 Concen: 47.102 ug/l
 RT: 3.26 min Scan# 275
 Delta R.T. 0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Instrument :
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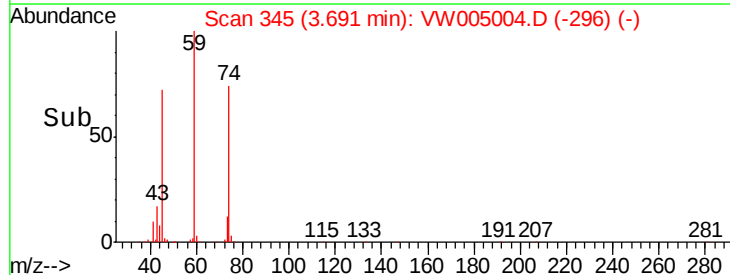
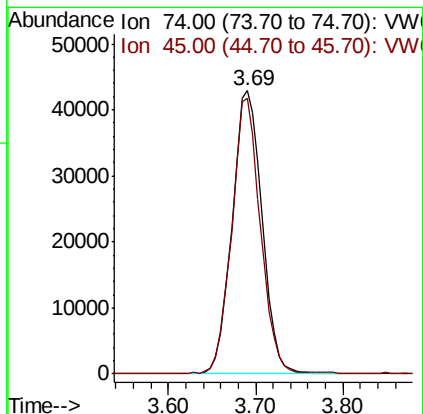
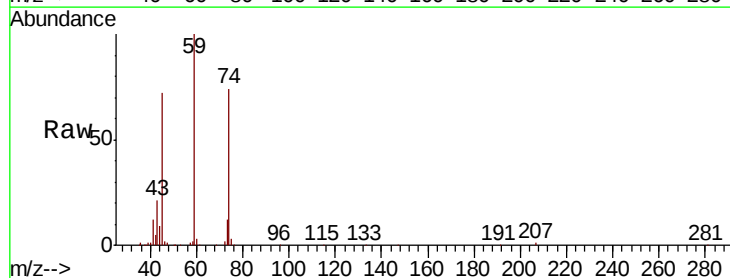
Tgt Ion: 101 Resp: 344356
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.6 78.8

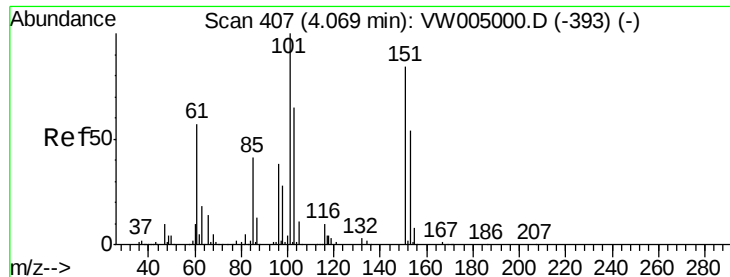


#8

Diethyl Ether
 Concen: 48.862 ug/l
 RT: 3.69 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 74 Resp: 101572
 Ion Ratio Lower Upper
 74 100
 45 93.5 47.8 143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.012 ug/l

RT: 4.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

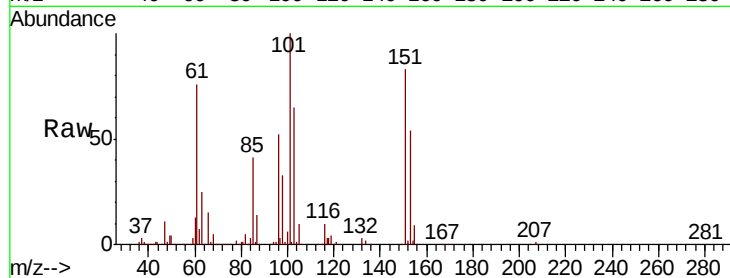
Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

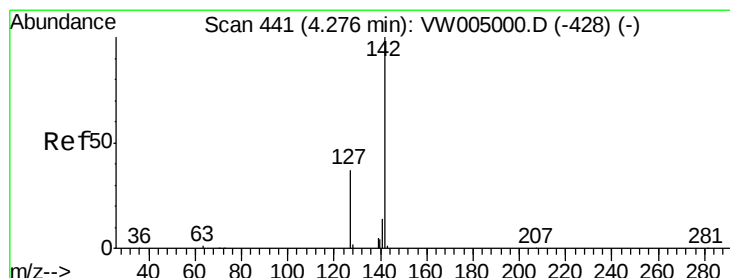
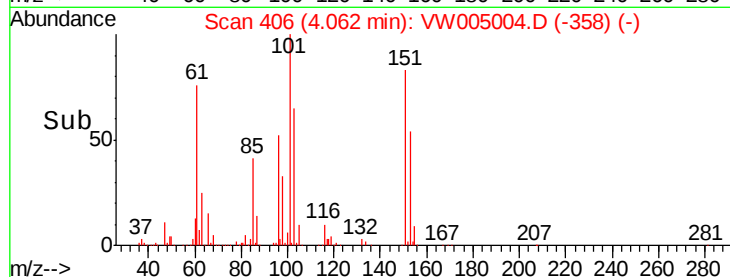
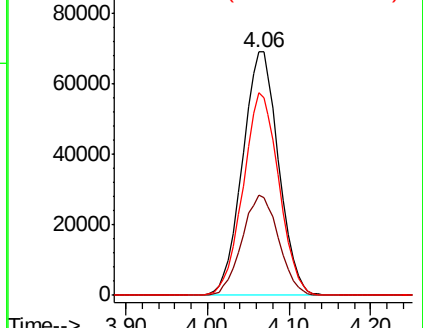
Tgt Ion:	101	Resp:	212137
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.4	50.0
151	82.6	67.0	100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.049 ug/l

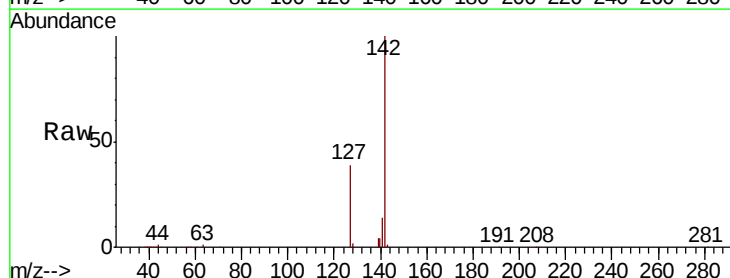
RT: 4.28 min Scan# 441

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

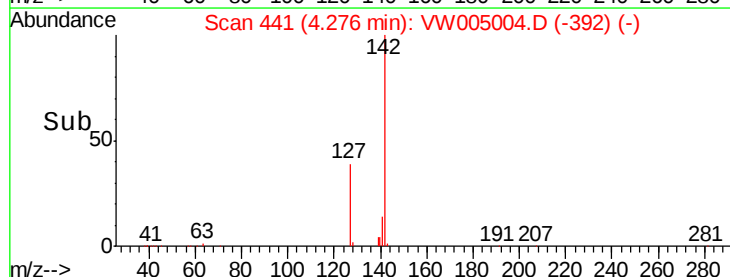
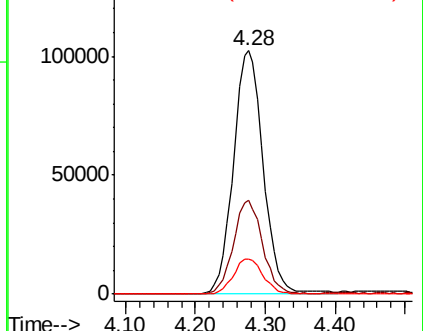
Tgt Ion:	142	Resp:	303509
Ion Ratio	Lower	Upper	
142	100		
127	37.7	31.1	46.7
141	14.3	11.4	17.2

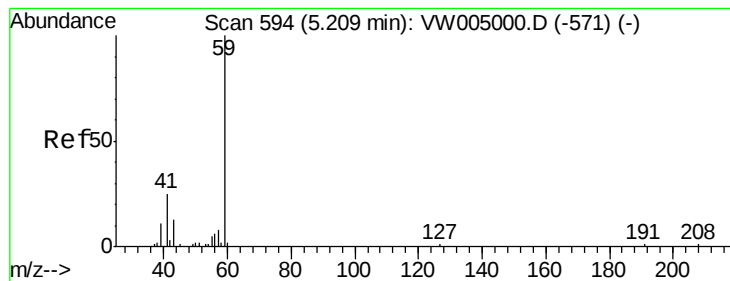


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 218.312 ug/l

RT: 5.21 min Scan# 595

Delta R.T. 0.01 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

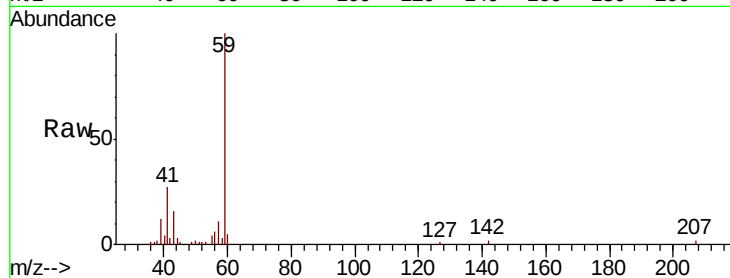
ICVW082918

Tgt Ion: 59 Resp: 62471

Ion Ratio Lower Upper

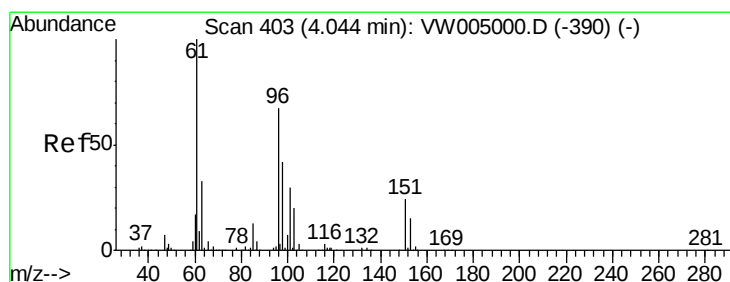
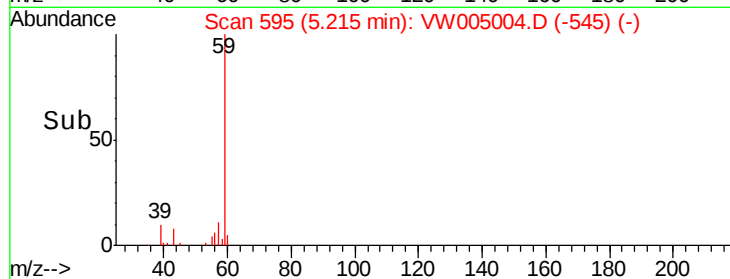
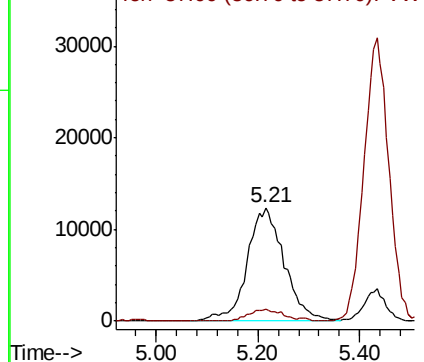
59 100

57 9.3 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 48.129 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

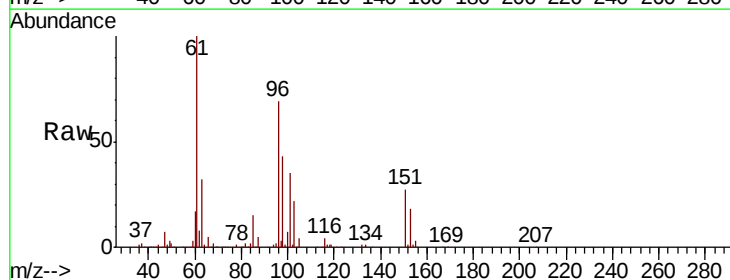
Tgt Ion: 96 Resp: 202905

Ion Ratio Lower Upper

96 100

61 145.6 119.5 179.3

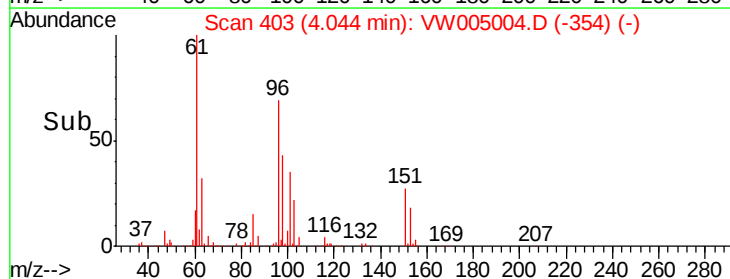
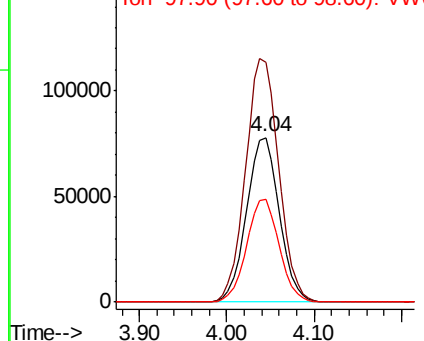
98 62.7 50.4 75.6

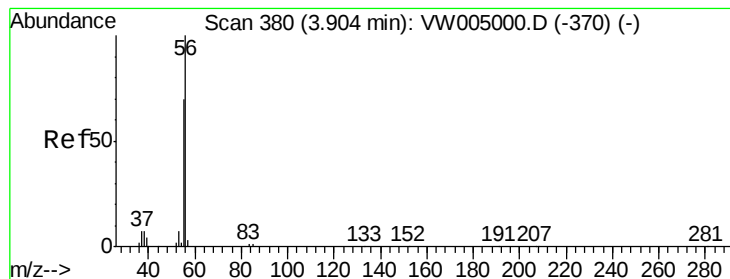


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 222.032 ug/l

RT: 3.91 min Scan# 381

Delta R.T. 0.01 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

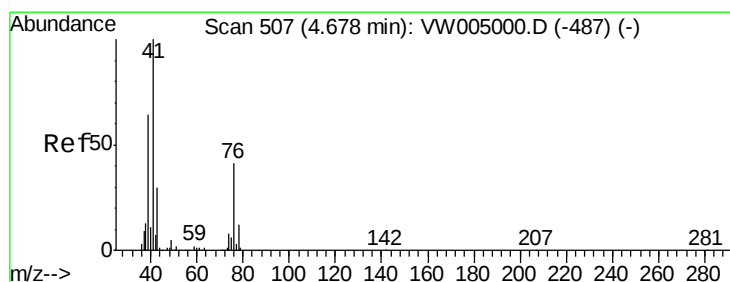
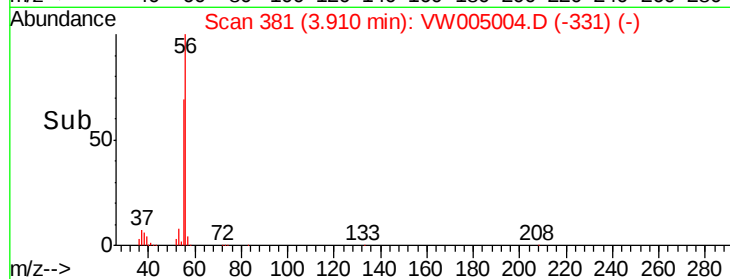
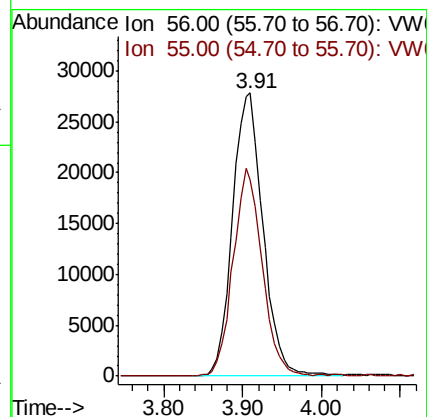
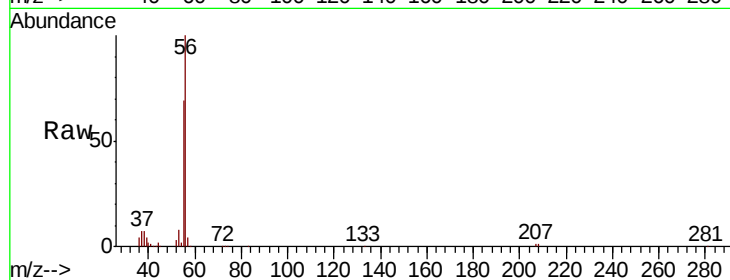
ICVW082918

Tgt Ion: 56 Resp: 74771

Ion Ratio Lower Upper

56 100

55 70.2 56.4 84.6



#14

Allyl chloride

Concen: 49.966 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

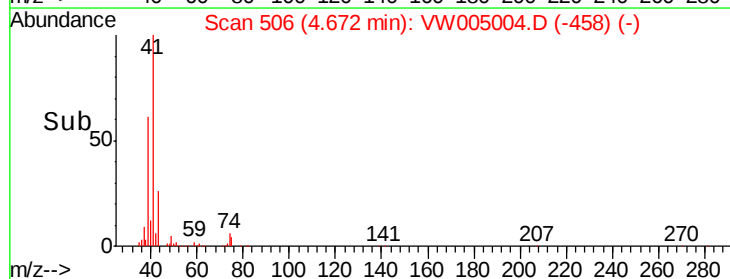
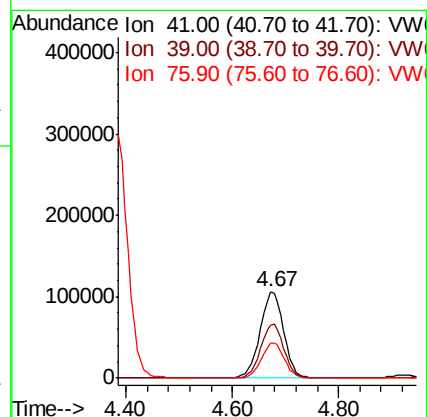
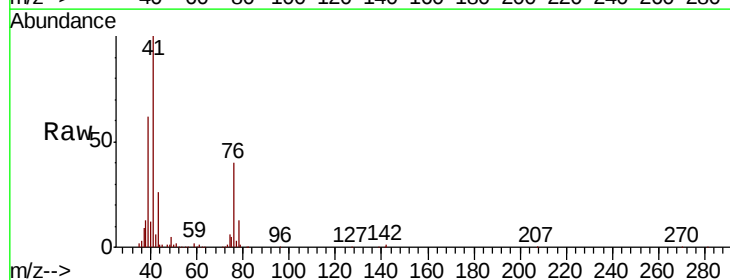
Tgt Ion: 41 Resp: 324369

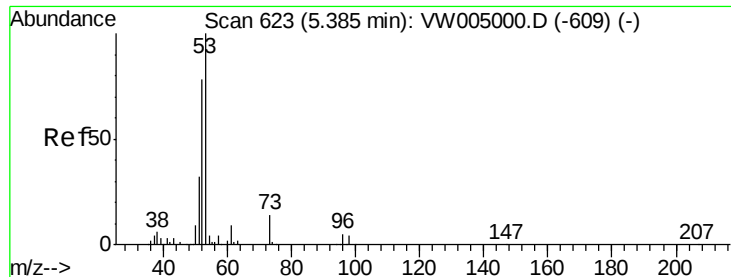
Ion Ratio Lower Upper

41 100

39 61.2 49.4 74.2

76 38.5 31.4 47.2





#15

Acrylonitrile

Concen: 242.477 ug/l

RT: 5.38 min Scan# 622

Delta R.T. -0.01 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

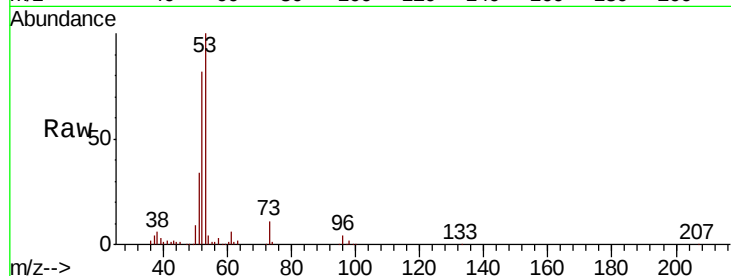
Tgt Ion: 53 Resp: 257048

Ion Ratio Lower Upper

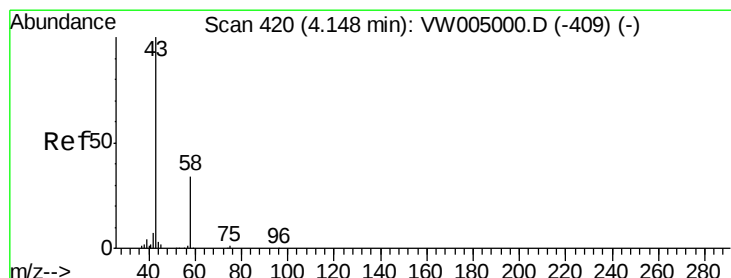
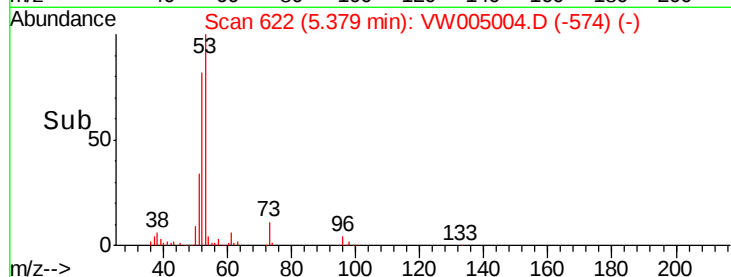
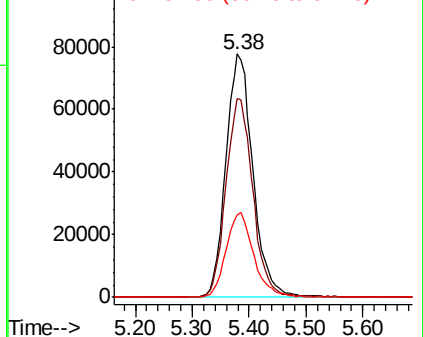
53 100

52 81.1 65.0 97.6

51 35.6 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 225.774 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW005004.D

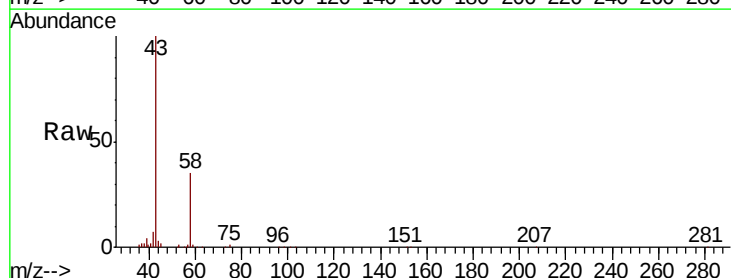
Acq: 29 Aug 2018 15:19

Tgt Ion: 43 Resp: 201076

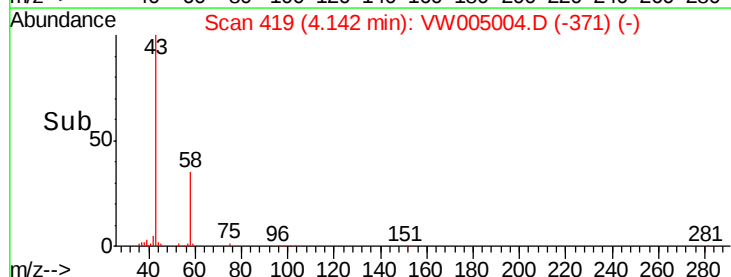
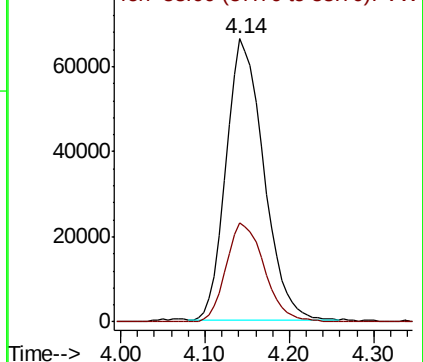
Ion Ratio Lower Upper

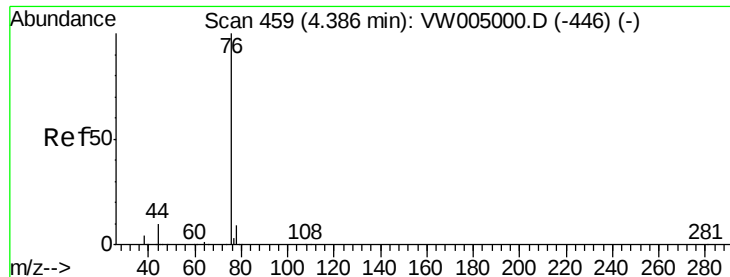
43 100

58 35.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

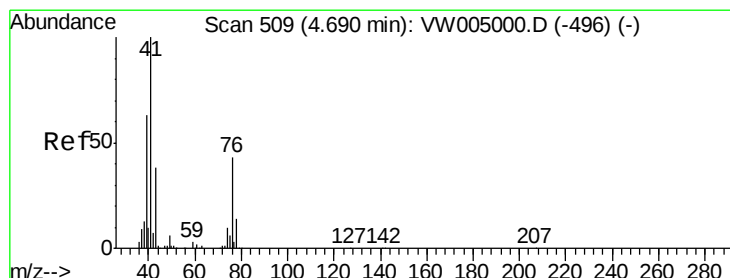
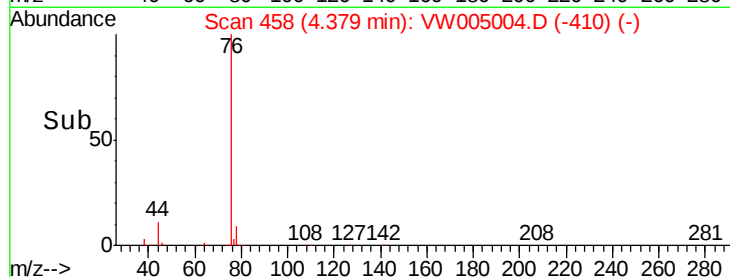
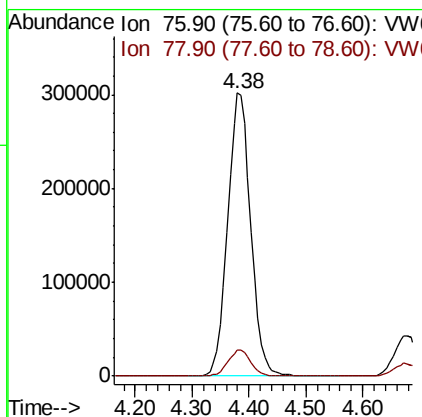
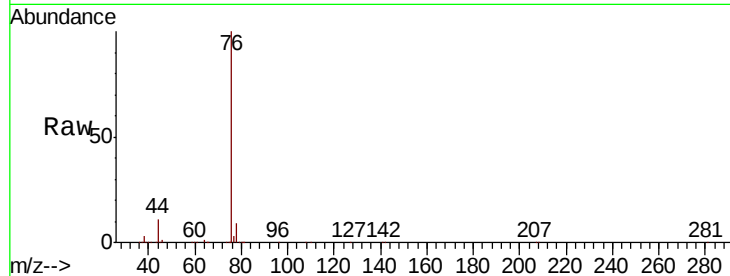




#17
Carbon Disulfide
Concen: 47.905 ug/l
RT: 4.38 min Scan# 458
Delta R.T. -0.01 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

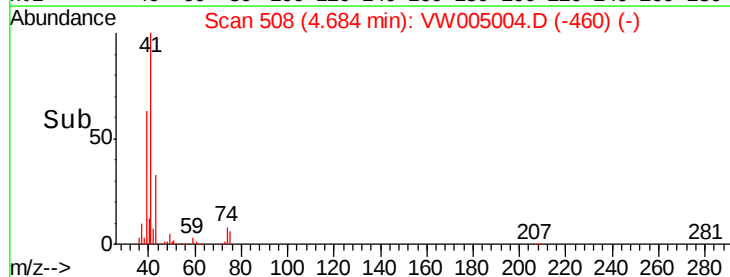
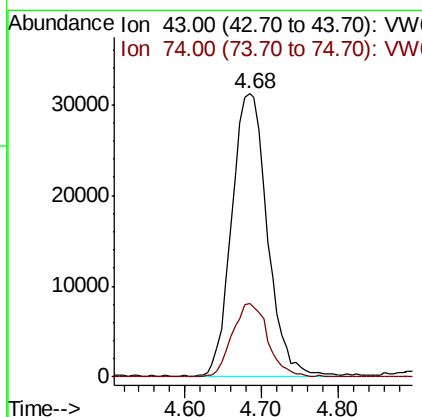
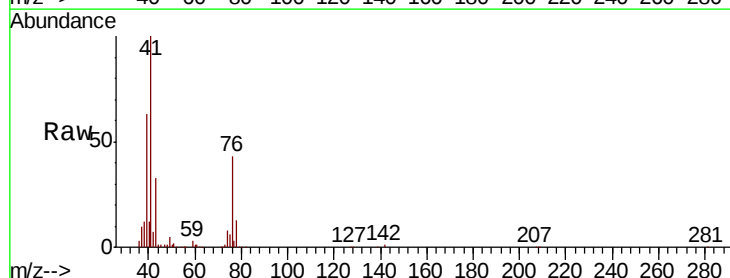
Instrument :
MSVOA_W
ClientSampleId :
ICVW082918

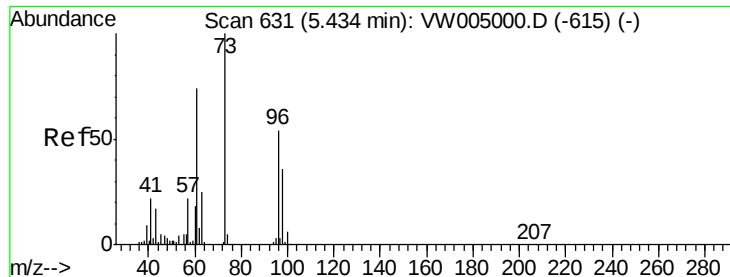
Tgt Ion: 76 Resp: 848895
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 46.476 ug/l
RT: 4.68 min Scan# 508
Delta R.T. -0.01 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

Tgt Ion: 43 Resp: 100258
Ion Ratio Lower Upper
43 100
74 26.1 20.3 30.5



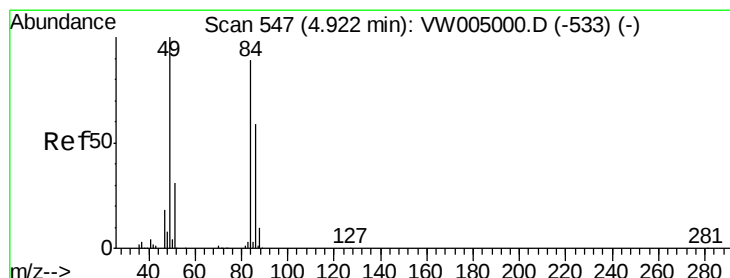
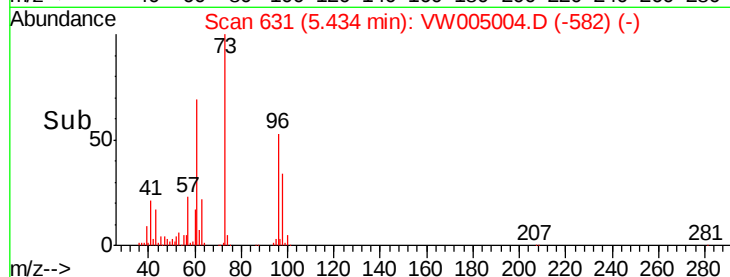
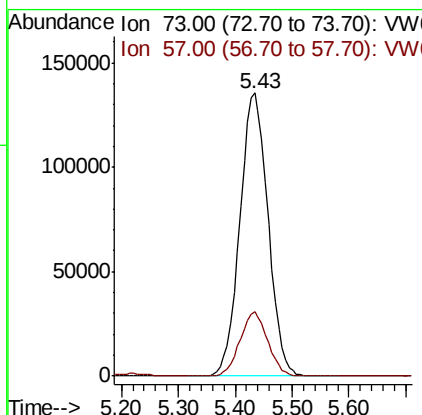
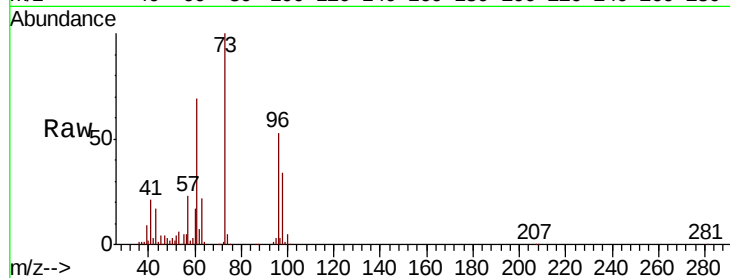


#19

Methyl tert-butyl Ether
 Concen: 51.598 ug/l
 RT: 5.43 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082918

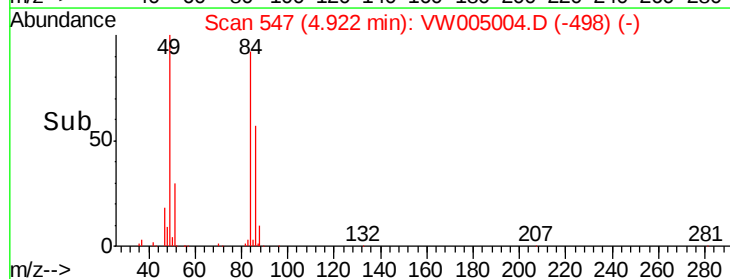
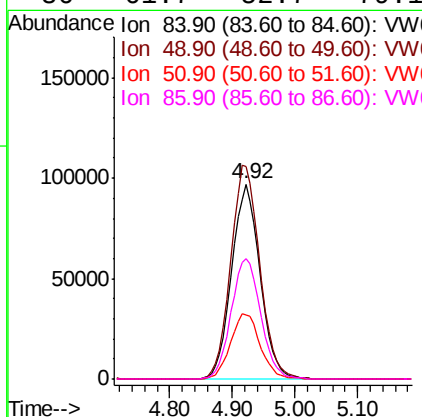
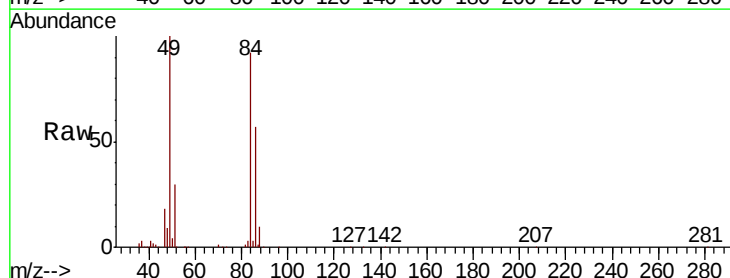
Tgt Ion: 73 Resp: 467459
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.6 26.4

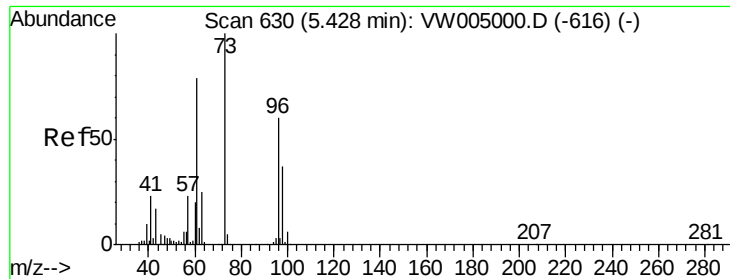


#20

Methylene Chloride
 Concen: 48.073 ug/l
 RT: 4.92 min Scan# 547
 Delta R.T. 0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 84 Resp: 304352
 Ion Ratio Lower Upper
 84 100
 49 109.0 89.7 134.5
 51 32.9 27.5 41.3
 86 61.7 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 47.675 ug/l

RT: 5.43 min Scan# 631

Delta R.T. 0.01 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

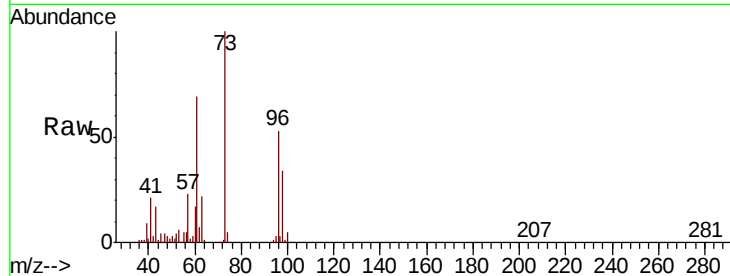
Tgt Ion: 96 Resp: 218236

Ion Ratio Lower Upper

96 100

61 128.2 106.2 159.2

98 63.6 49.5 74.3

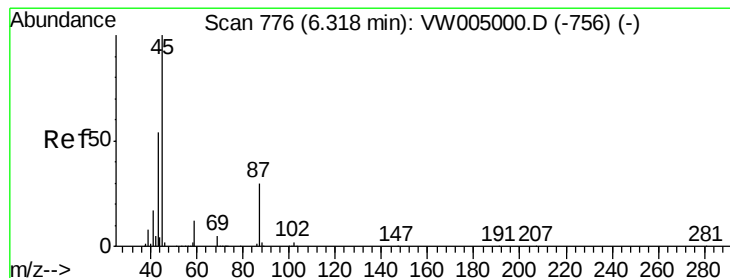
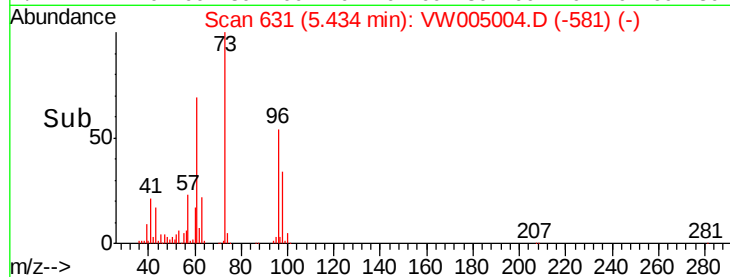
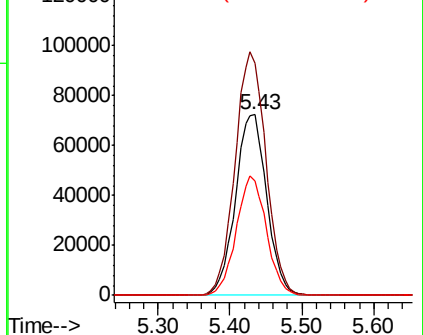


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 53.058 ug/l

RT: 6.32 min Scan# 776

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Tgt Ion: 45 Resp: 703133

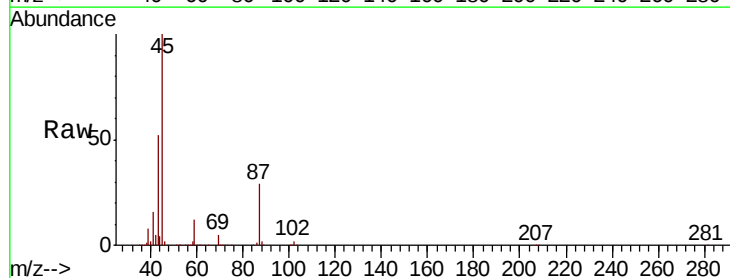
Ion Ratio Lower Upper

45 100

43 51.4 43.5 65.3

87 28.8 23.8 35.8

59 12.1 9.8 14.6



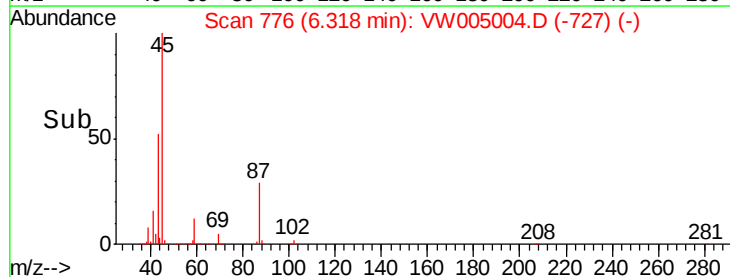
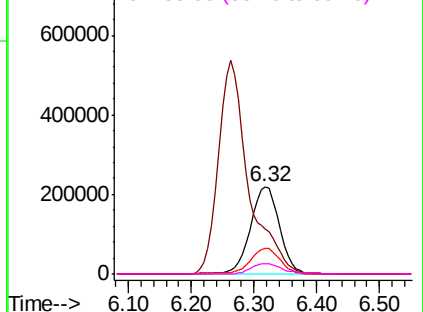
Abundance

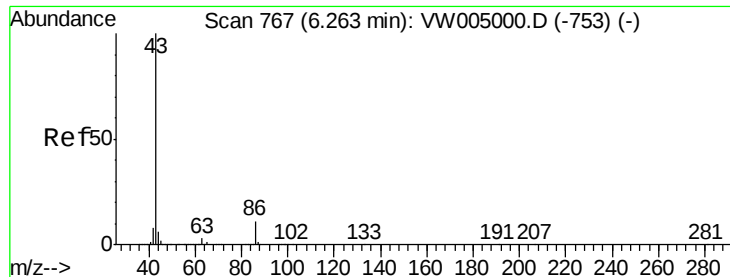
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 264.591 ug/l

RT: 6.26 min Scan# 767

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

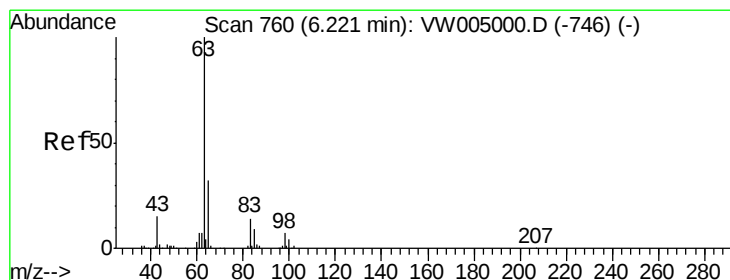
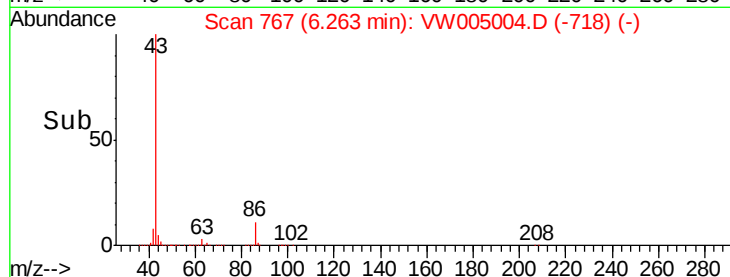
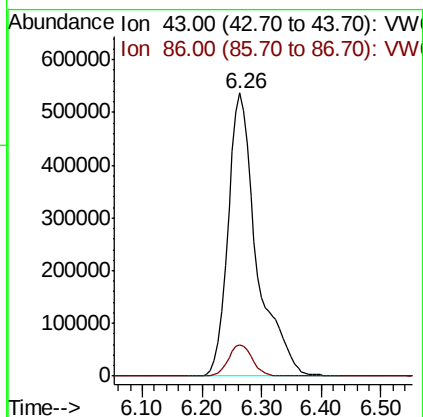
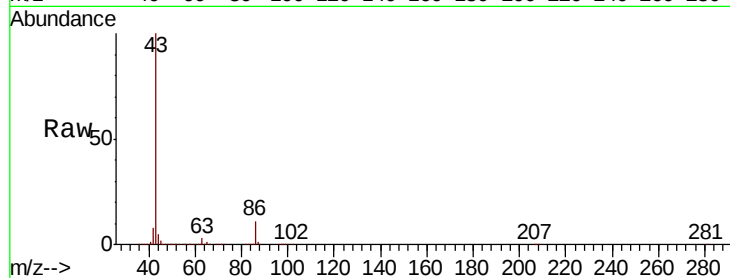
ICVW082918

Tgt Ion: 43 Resp: 1792704

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.6



#24

1,1-Dichloroethane

Concen: 47.703 ug/l

RT: 6.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

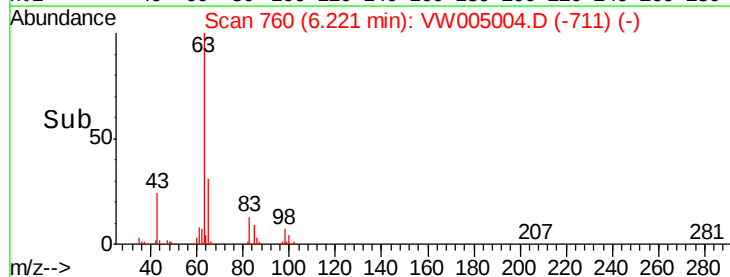
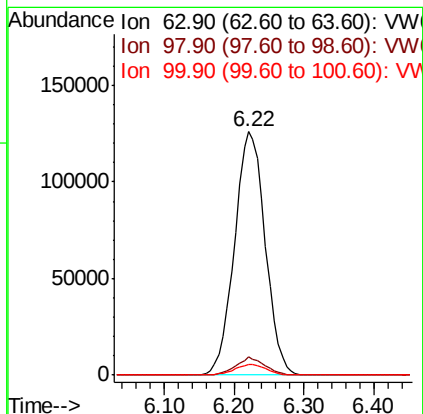
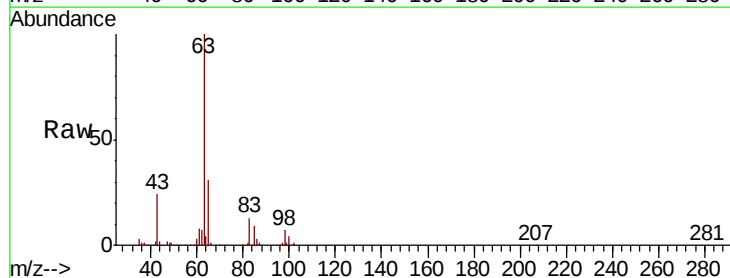
Tgt Ion: 63 Resp: 382487

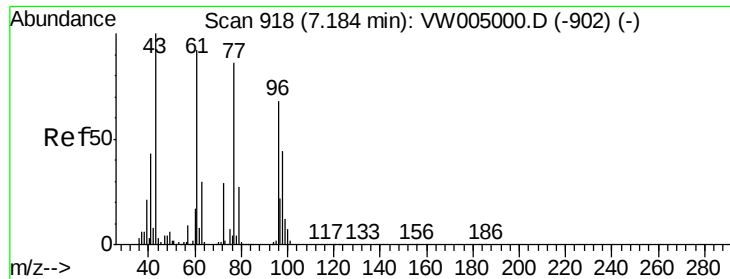
Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 246.393 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

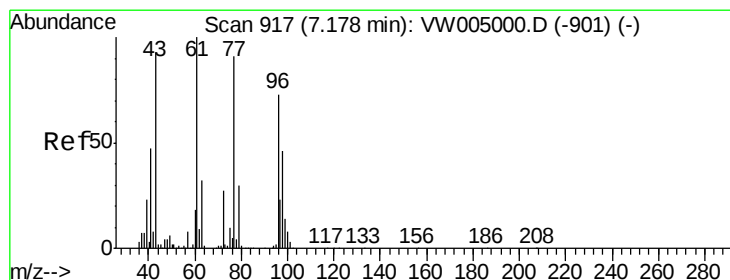
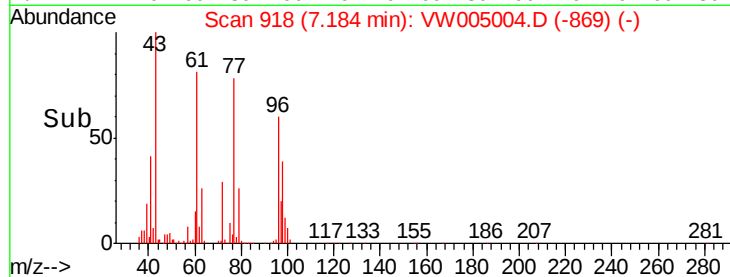
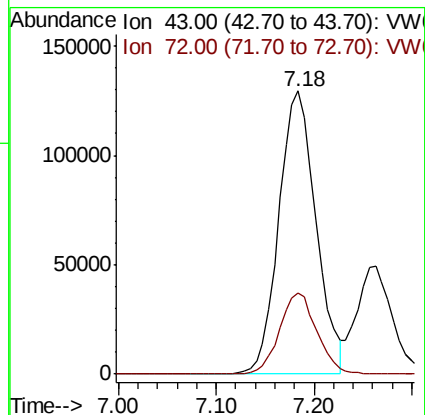
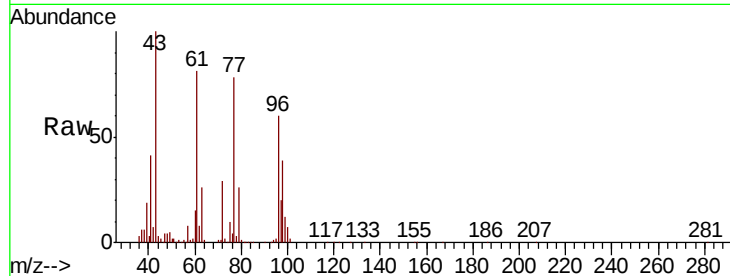
ICVW082918

Tgt Ion: 43 Resp: 342198

Ion Ratio Lower Upper

43 100

72 28.7 23.4 35.2



#26

2,2-Dichloropropane

Concen: 49.427 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005004.D

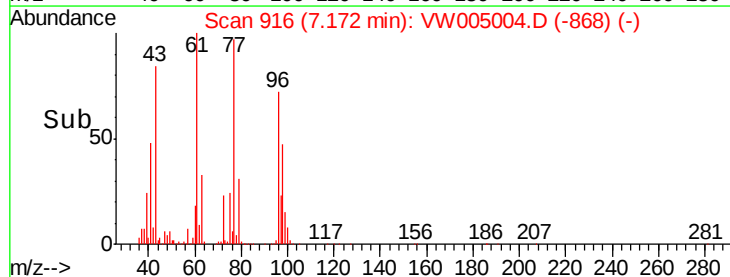
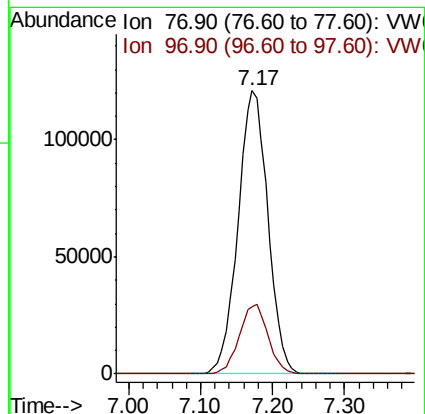
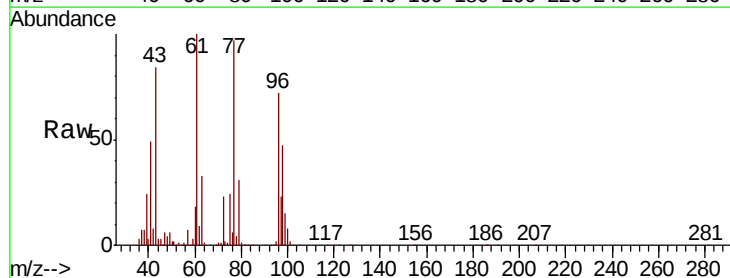
Acq: 29 Aug 2018 15:19

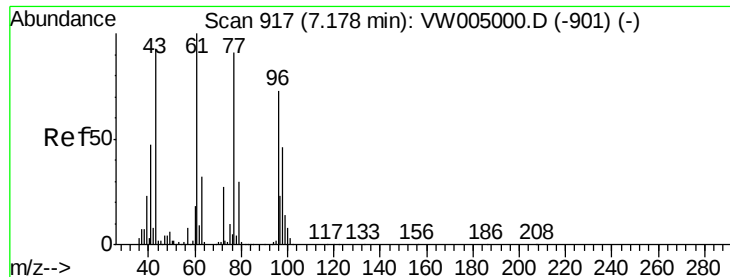
Tgt Ion: 77 Resp: 347852

Ion Ratio Lower Upper

77 100

97 23.7 12.2 36.4



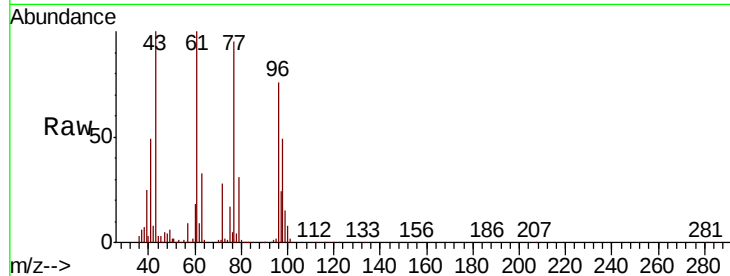


#27

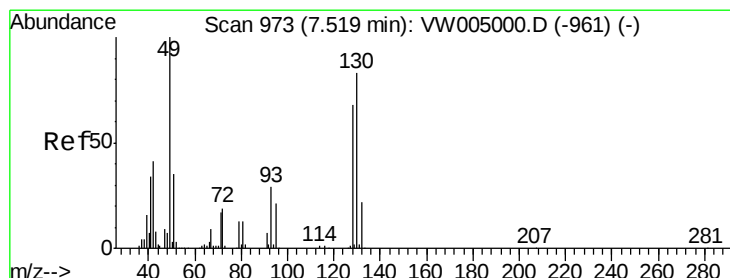
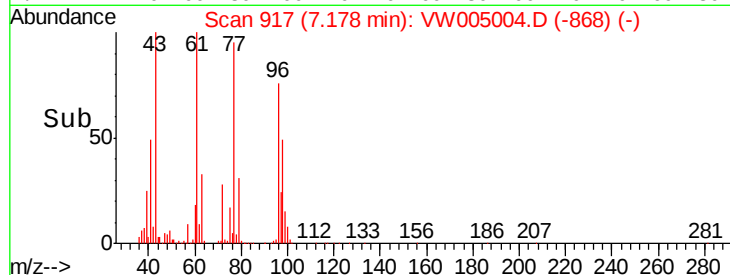
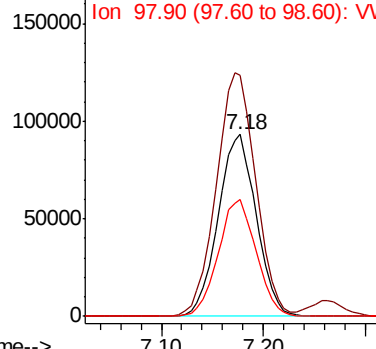
cis-1,2-Dichloroethene
Concen: 48.503 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW082918

Tgt Ion: 96 Resp: 241532
Ion Ratio Lower Upper
96 100
61 139.0 0.0 281.6
98 64.3 0.0 129.0



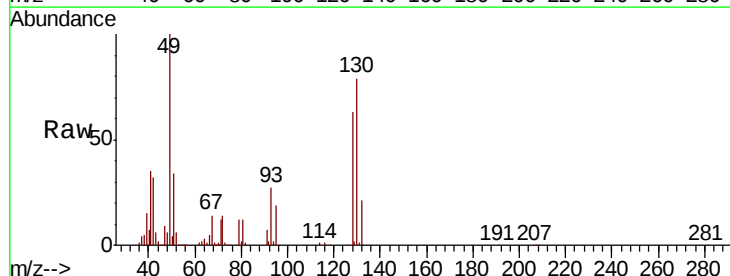
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



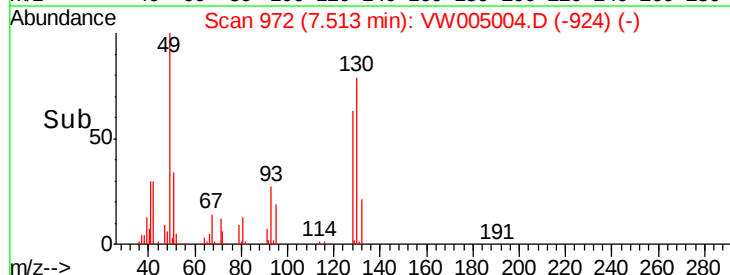
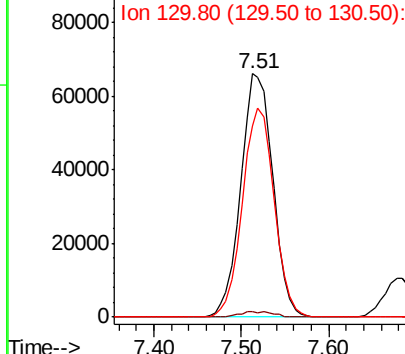
#28

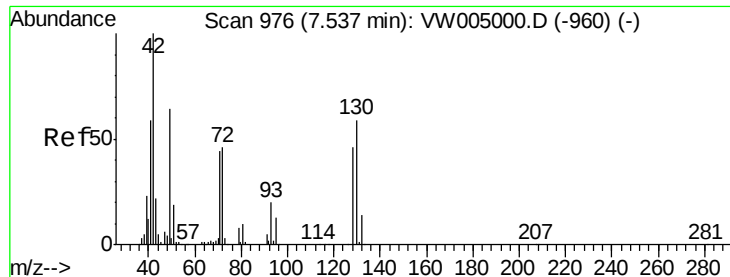
Bromochloromethane
Concen: 47.766 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

Tgt Ion: 49 Resp: 168410
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.2
130 85.0 68.2 102.2



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 248.689 ug/l

RT: 7.54 min Scan# 976

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

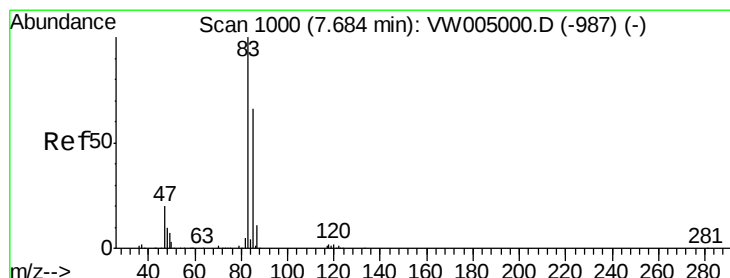
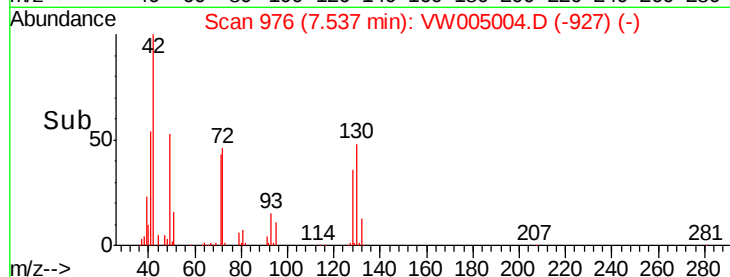
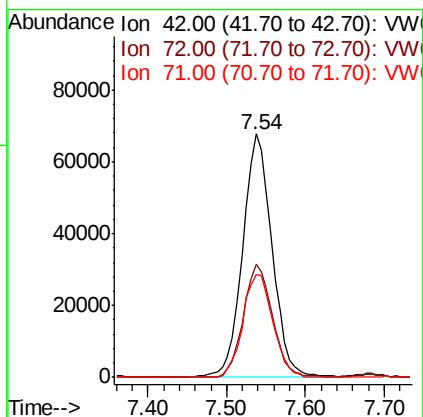
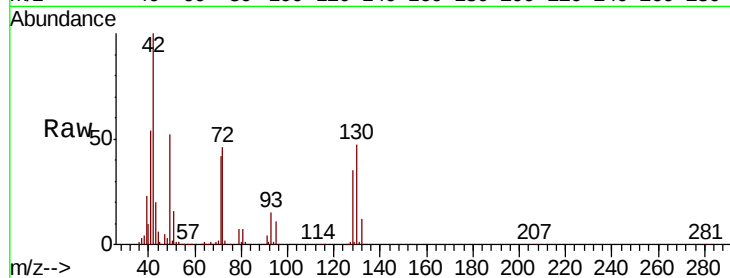
Tgt Ion: 42 Resp: 174477

Ion Ratio Lower Upper

42 100

72 46.2 36.6 55.0

71 43.9 35.4 53.2



#30

Chloroform

Concen: 47.000 ug/l

RT: 7.68 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VW005004.D

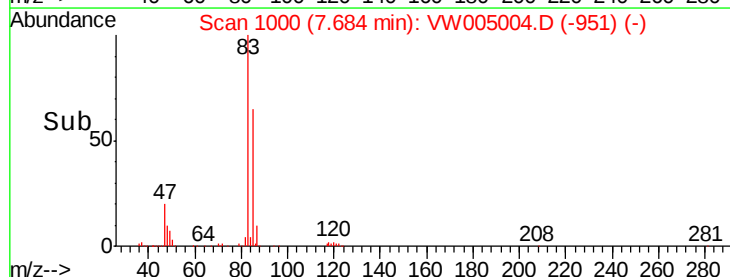
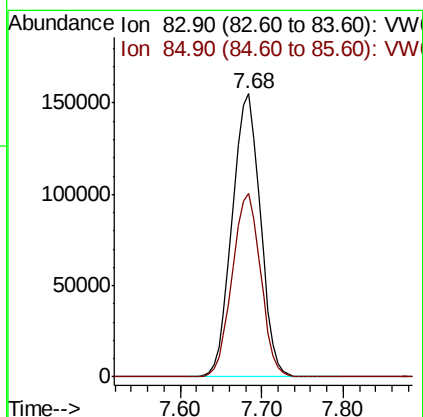
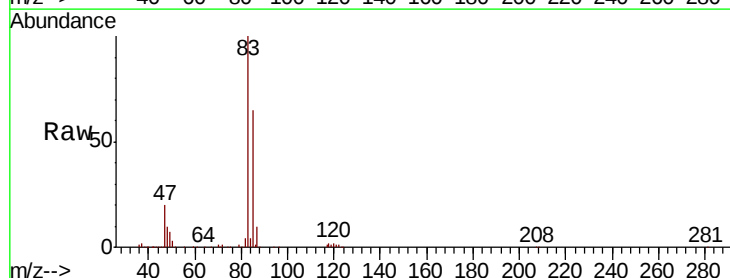
Acq: 29 Aug 2018 15:19

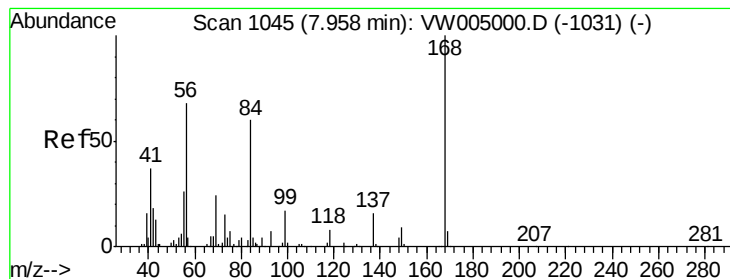
Tgt Ion: 83 Resp: 370666

Ion Ratio Lower Upper

83 100

85 64.8 52.6 78.8





#31

Cyclohexane

Concen: 51.073 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

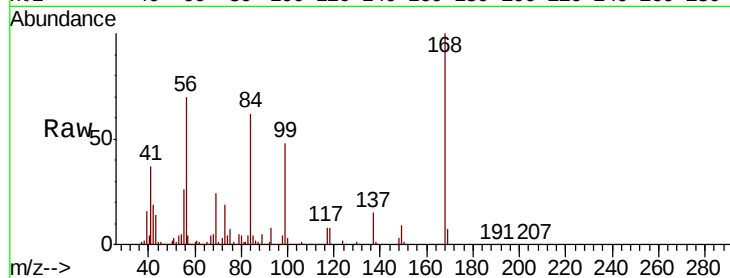
Tgt Ion: 56 Resp: 434021

Ion Ratio Lower Upper

56 100

69 34.5 27.9 41.9

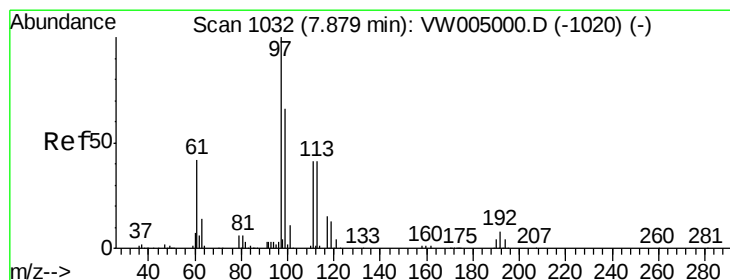
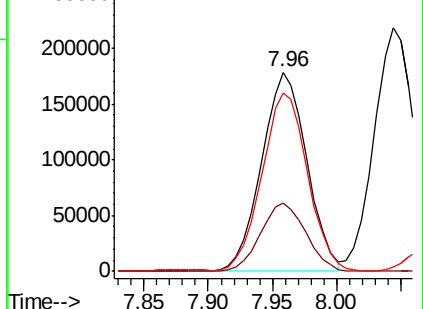
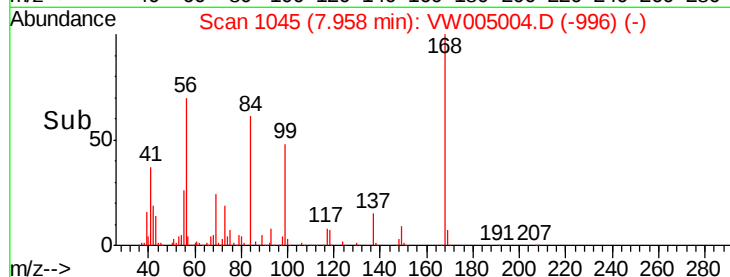
84 88.4 70.5 105.7



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 49.057 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

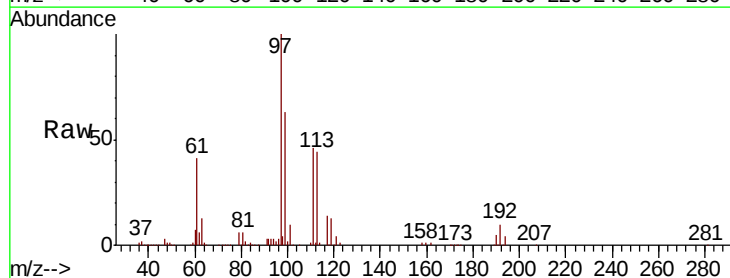
Tgt Ion: 97 Resp: 355991

Ion Ratio Lower Upper

97 100

99 64.5 52.3 78.5

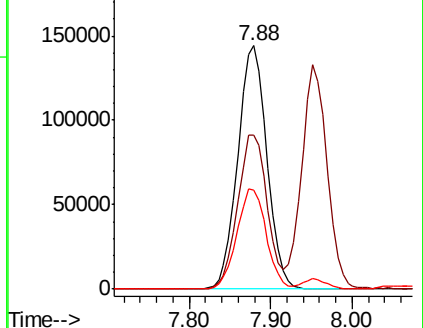
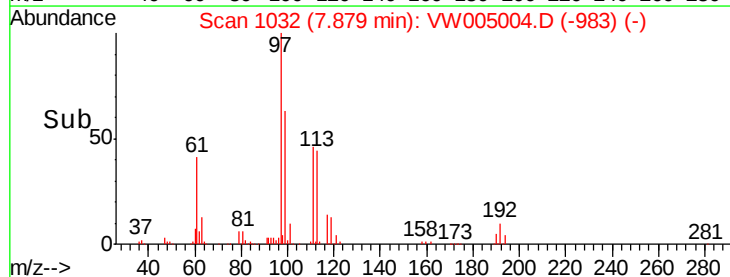
61 41.7 33.2 49.8

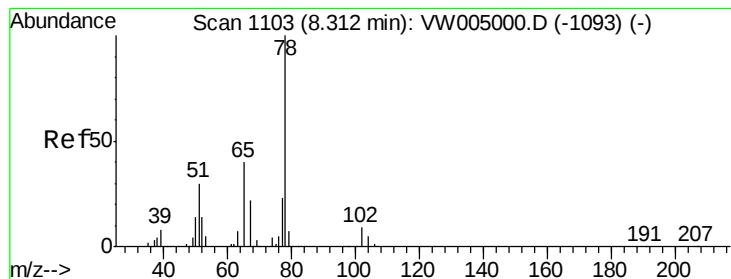


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 47.199 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

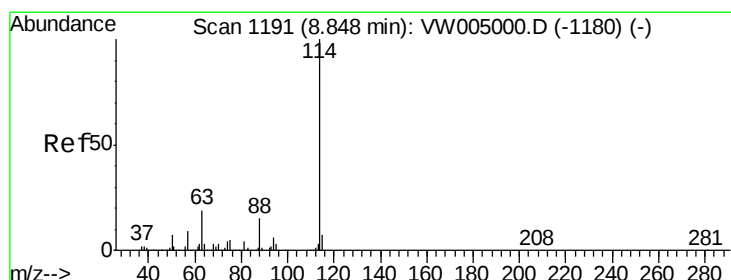
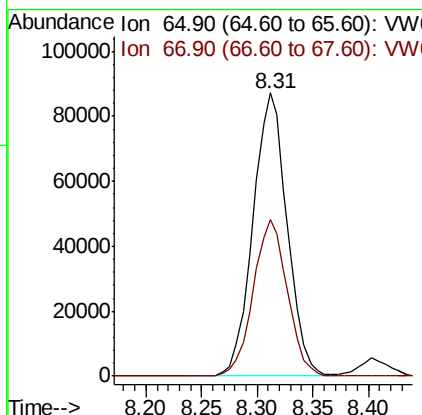
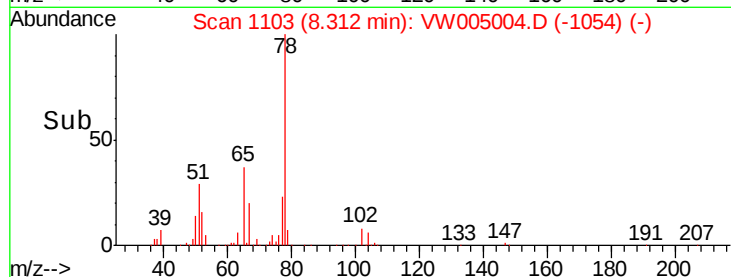
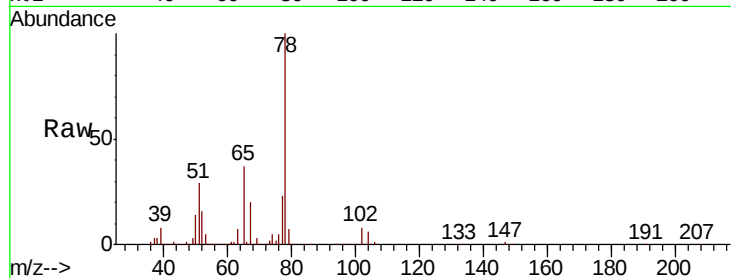
ICVW082918

Tgt Ion: 65 Resp: 186402

Ion Ratio Lower Upper

65 100

67 55.2 0.0 112.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

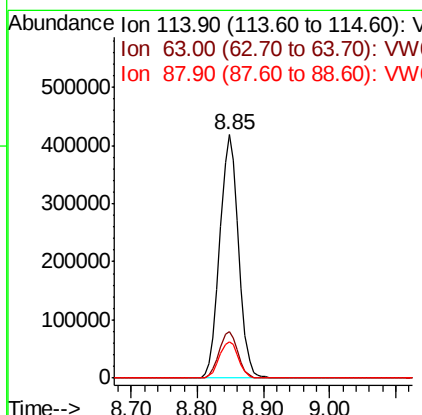
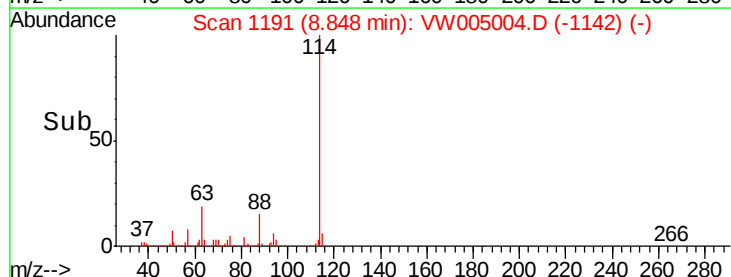
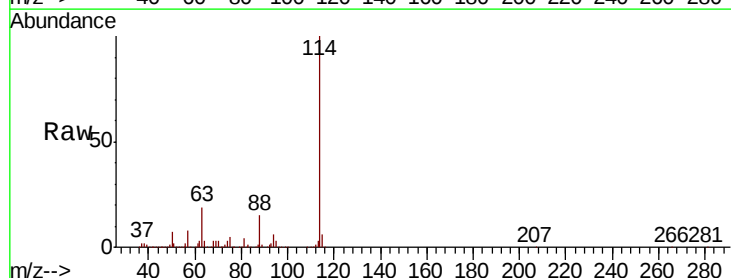
Tgt Ion: 114 Resp: 819226

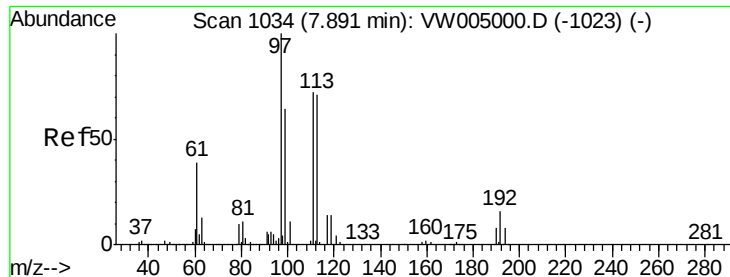
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 15.1 0.0 30.6

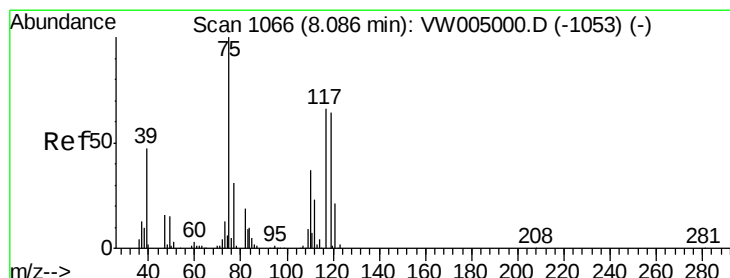
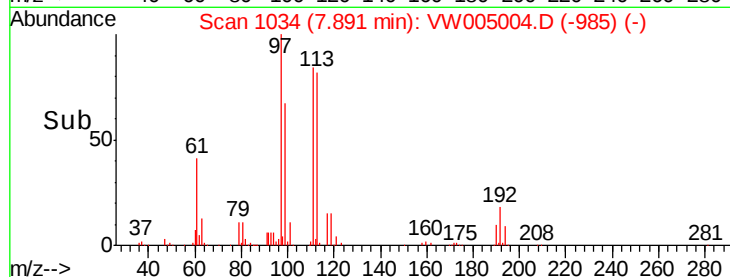
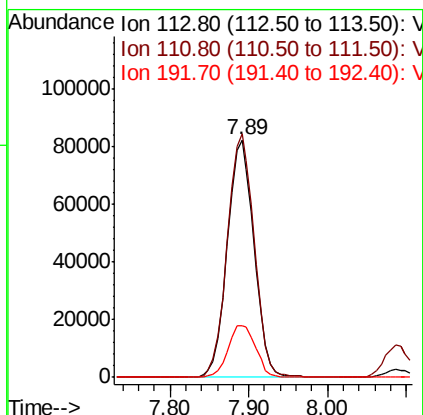
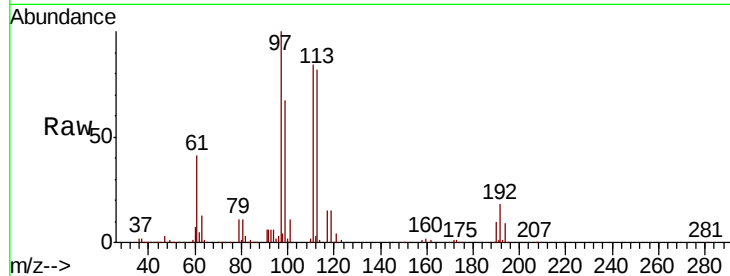




#35
 Dibromofluoromethane
 Concen: 47.739 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

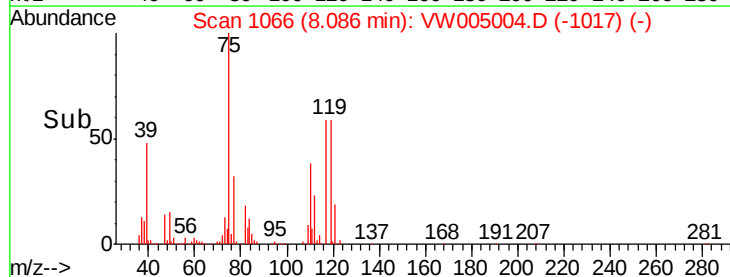
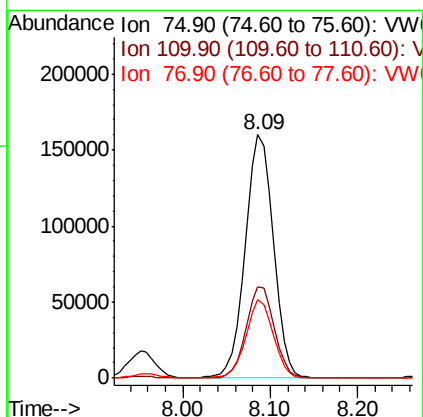
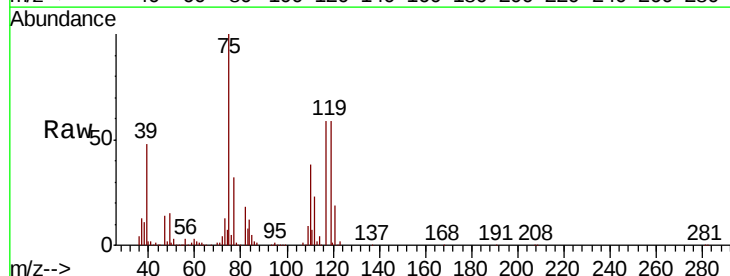
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082918

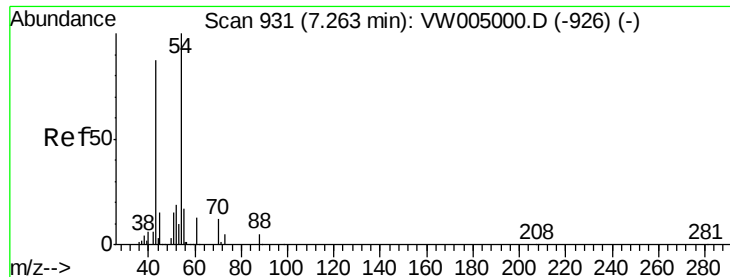
Tgt Ion: 113 Resp: 193803
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.3 121.9
 192 22.4 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 51.601 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 75 Resp: 358185
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.7 56.1
 77 31.5 24.9 37.3





#37

Ethyl Acetate

Concen: 50.810 ug/l

RT: 7.26 min Scan# 931

Delta R.T. -0.00 min

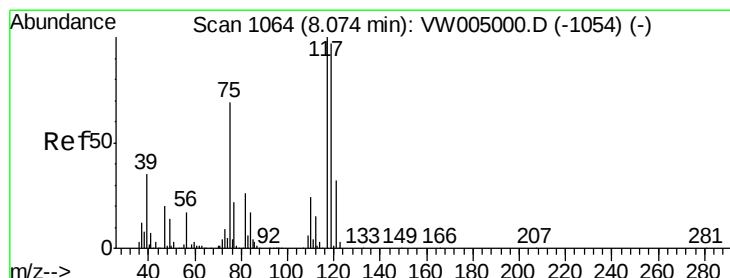
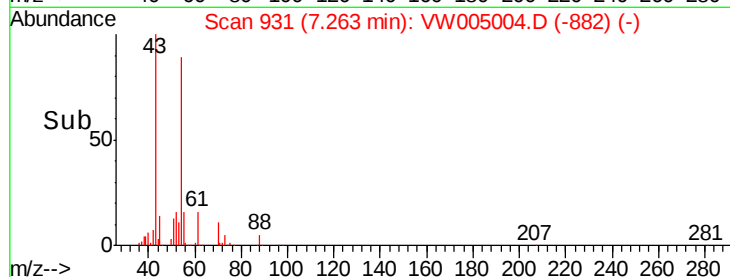
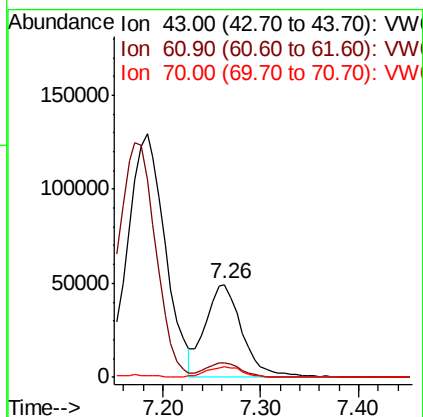
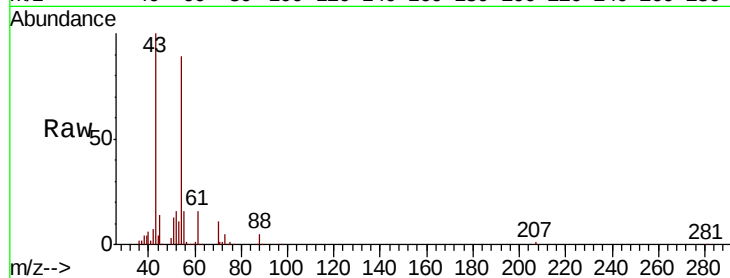
Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :
MSVOA_W
ClientSampleId :
ICVW082918

Tgt Ion: 43 Resp: 127125

Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.3	18.5
70	11.3	9.7	14.5



#38

Carbon Tetrachloride

Concen: 47.741 ug/l

RT: 8.07 min Scan# 1064

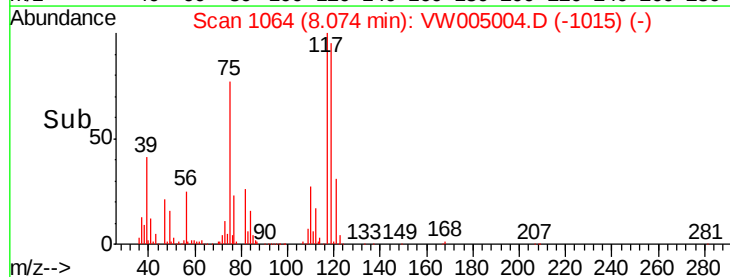
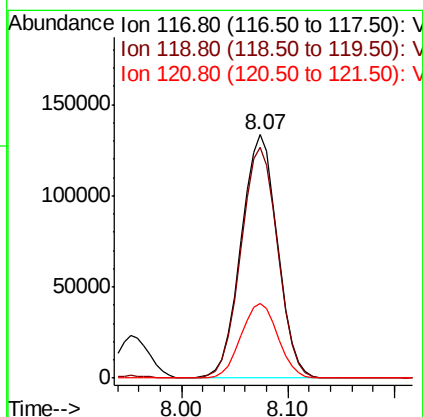
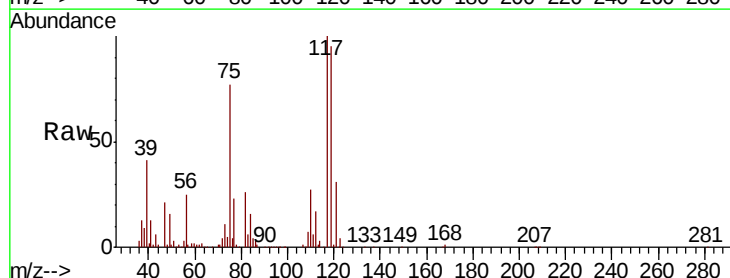
Delta R.T. -0.00 min

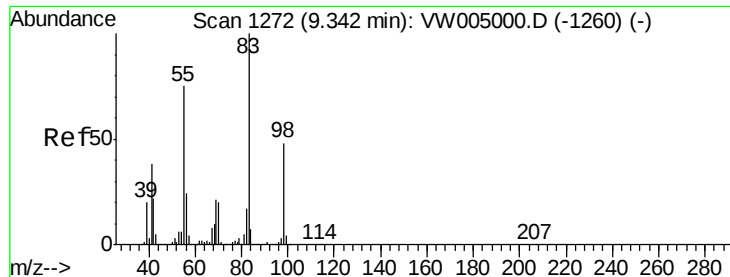
Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Tgt Ion: 117 Resp: 320705

Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.8	116.8
121	30.7	25.2	37.8

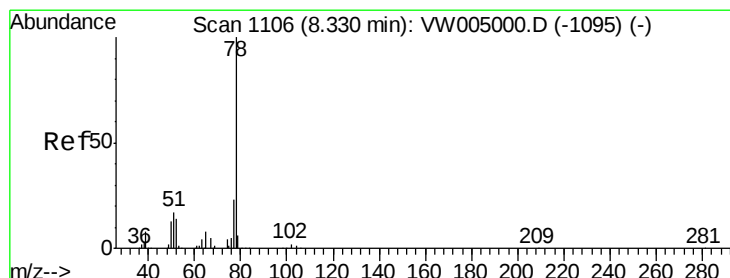
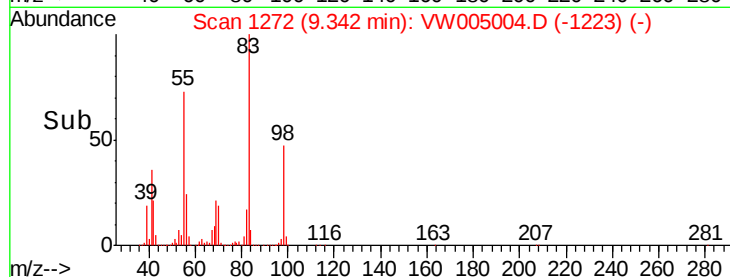
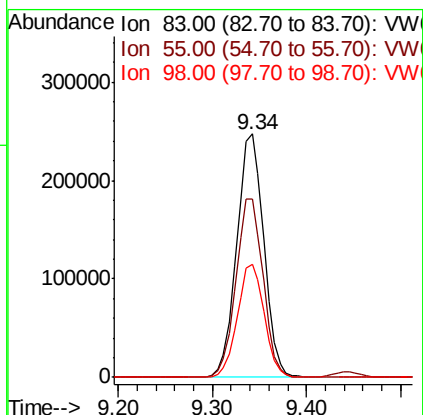
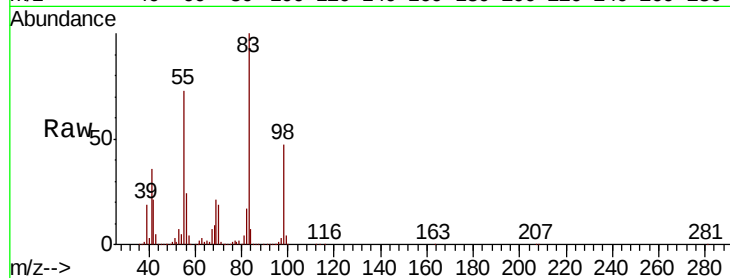




#39
Methylcyclohexane
Concen: 51.796 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

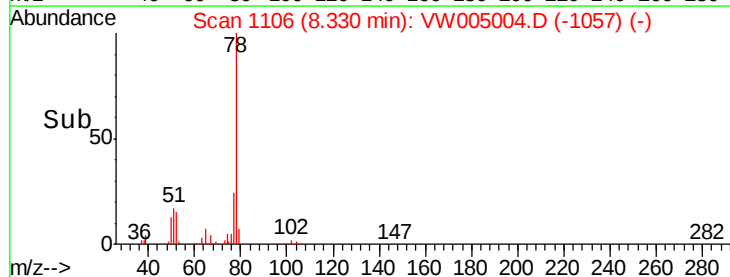
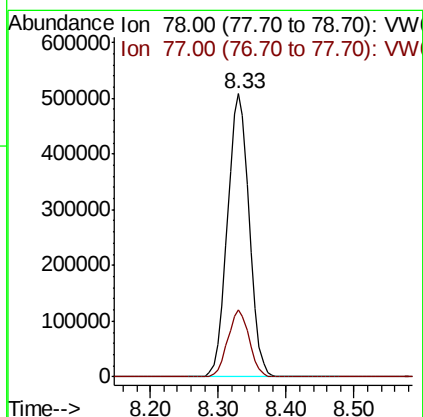
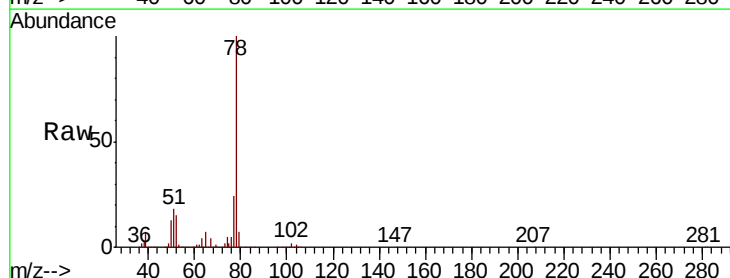
Instrument :
MSVOA_W
ClientSampleId :
ICVW082918

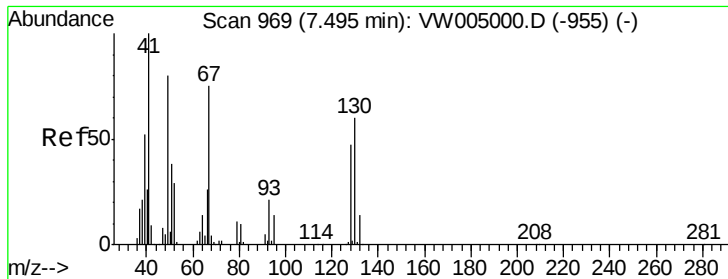
Tgt Ion: 83 Resp: 495628
Ion Ratio Lower Upper
83 100
55 73.1 60.2 90.2
98 46.7 38.6 57.8



#40
Benzene
Concen: 50.427 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

Tgt Ion: 78 Resp: 1120426
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0

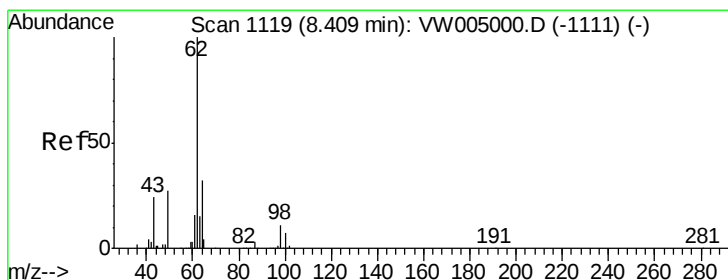
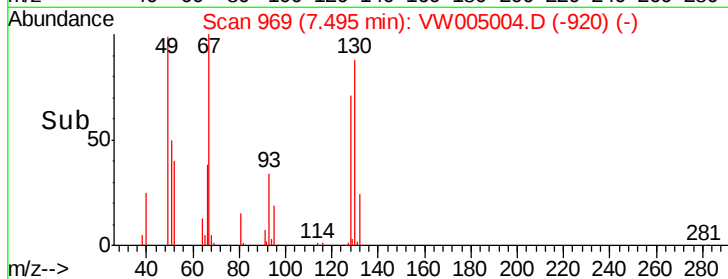
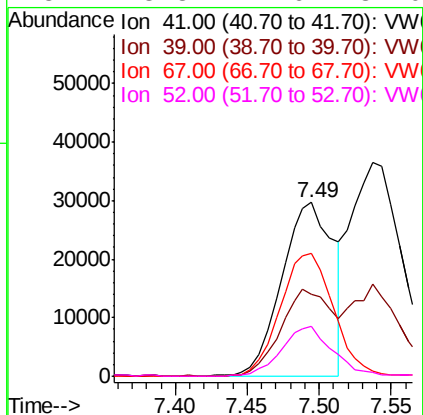
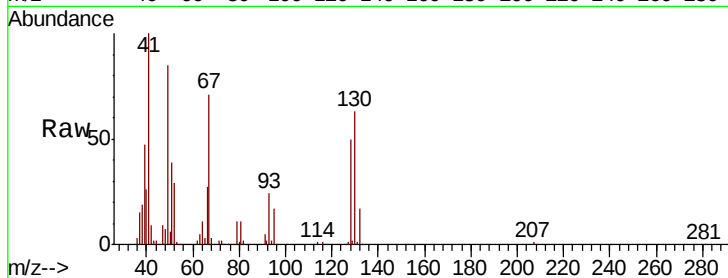




#41
Methacrylonitrile
Concen: 50.787 ug/l
RT: 7.49 min Scan# 969
Delta R.T. -0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

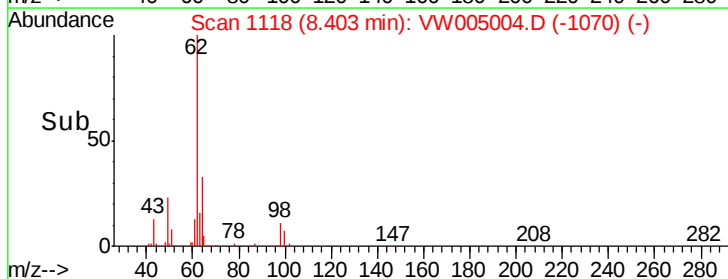
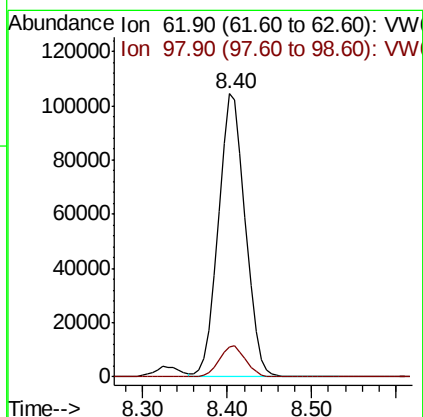
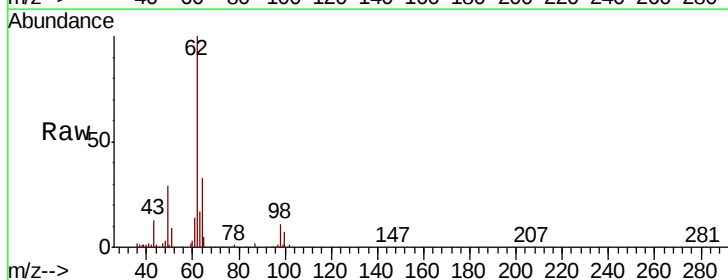
Instrument :
MSVOA_W
ClientSampleId :
ICVW082918

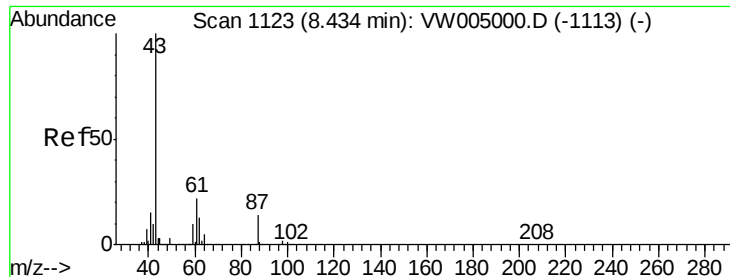
Tgt Ion:	41	Resp:	74049
Ion	Ratio	Lower	Upper
41	100		
39	49.9	42.0	63.0
67	73.6	63.4	95.2
52	28.8	24.6	37.0



#42
1,2-Dichloroethane
Concen: 46.002 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

Tgt Ion:	62	Resp:	227438
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.8





#43

Isopropyl Acetate

Concen: 49.967 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

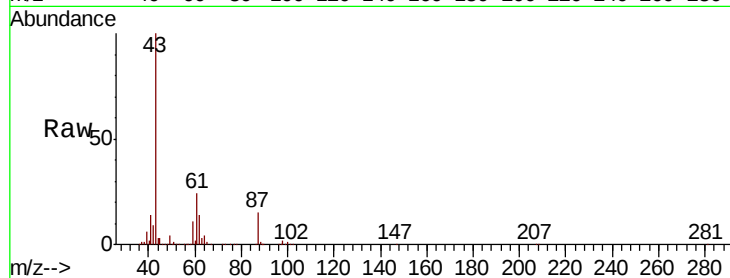
Tgt Ion: 43 Resp: 248758

Ion Ratio Lower Upper

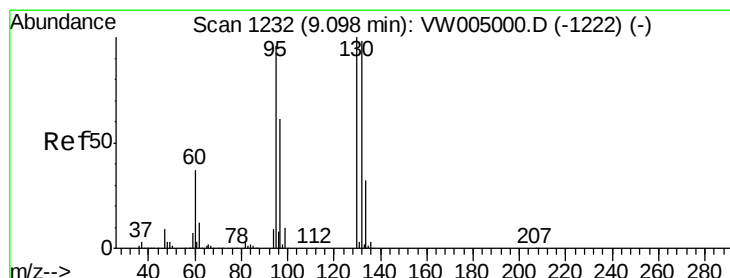
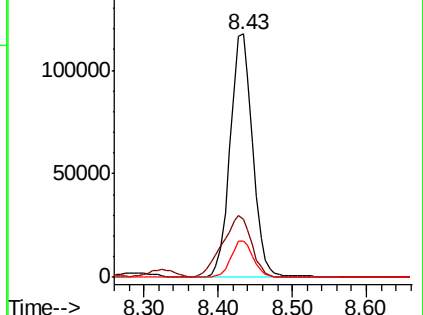
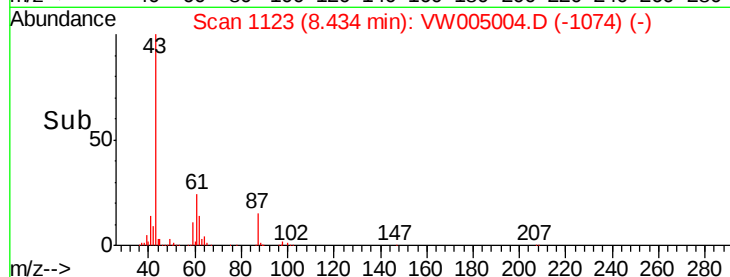
43 100

61 32.4 26.2 39.4

87 14.8 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.430 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW005004.D

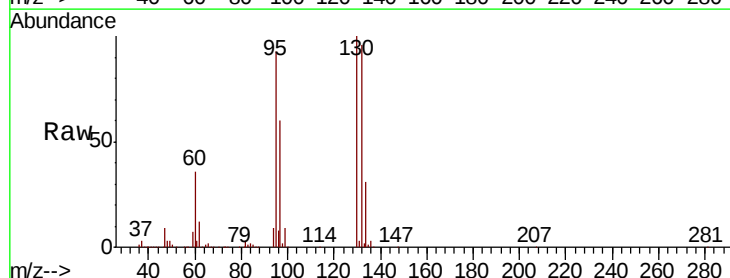
Acq: 29 Aug 2018 15:19

Tgt Ion: 130 Resp: 286199

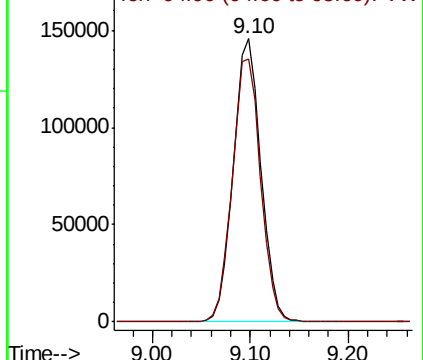
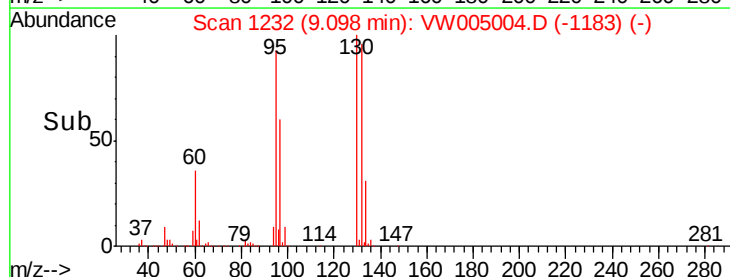
Ion Ratio Lower Upper

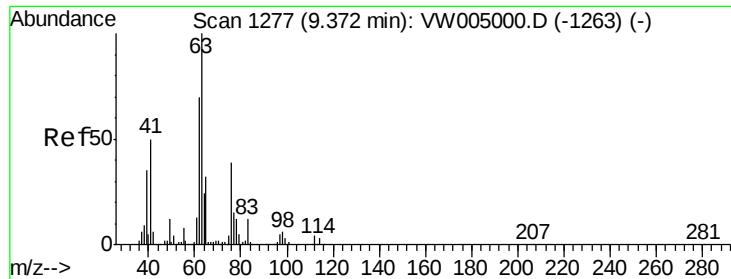
130 100

95 93.0 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

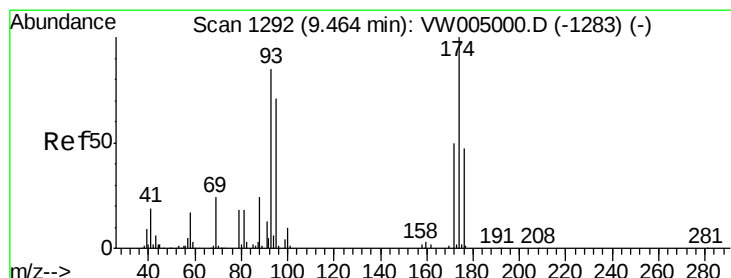
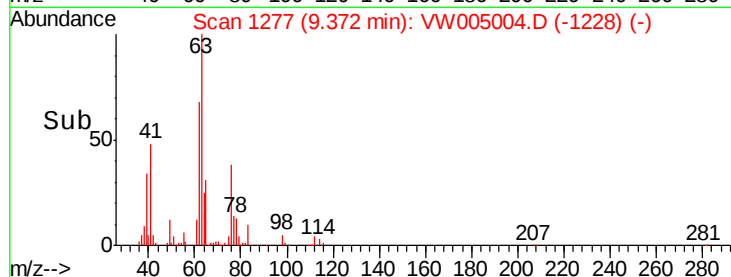
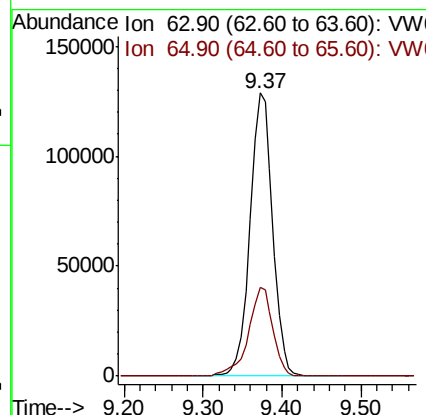
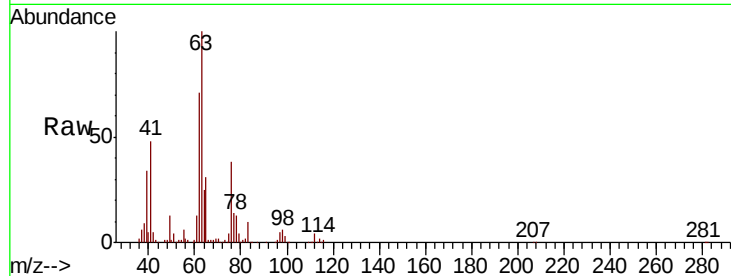




#45
 1,2-Dichloropropane
 Concen: 50.275 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

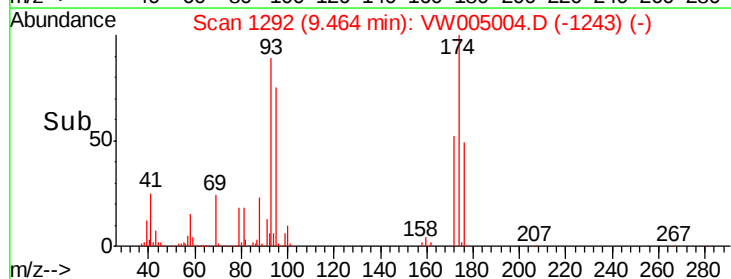
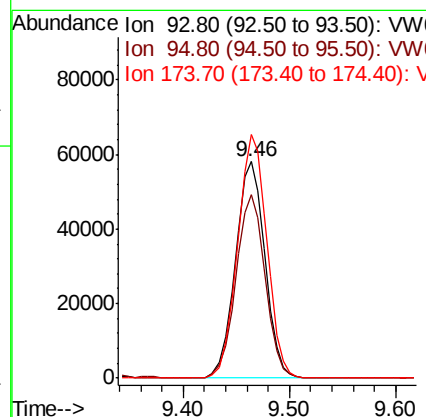
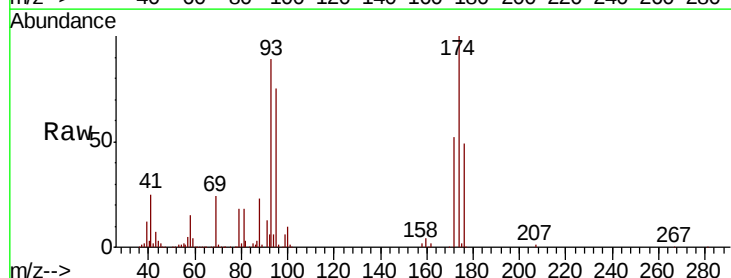
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082918

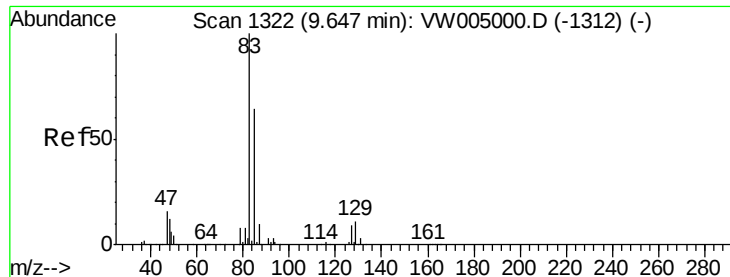
Tgt Ion: 63 Resp: 255575
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.3 37.9



#46
 Dibromomethane
 Concen: 46.795 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 93 Resp: 112591
 Ion Ratio Lower Upper
 93 100
 95 83.9 68.0 102.0
 174 112.3 91.4 137.0





#47

Bromodichloromethane

Concen: 47.962 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

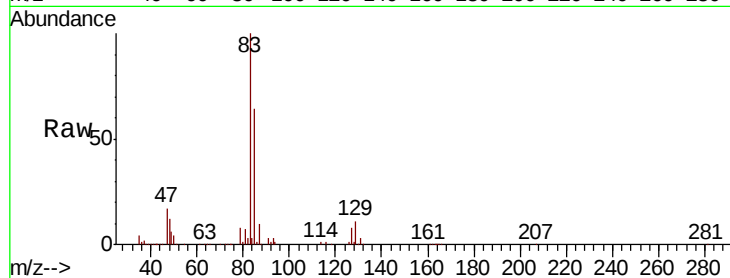
Tgt Ion: 83 Resp: 285145

Ion Ratio Lower Upper

83 100

85 64.2 51.3 76.9

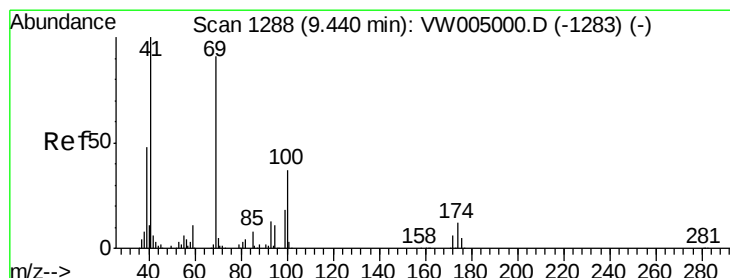
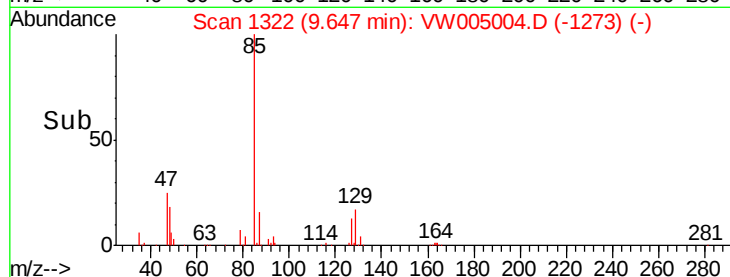
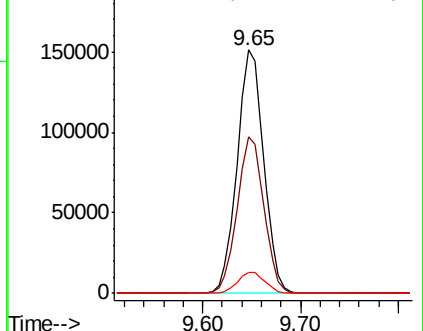
127 8.4 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 48.438 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

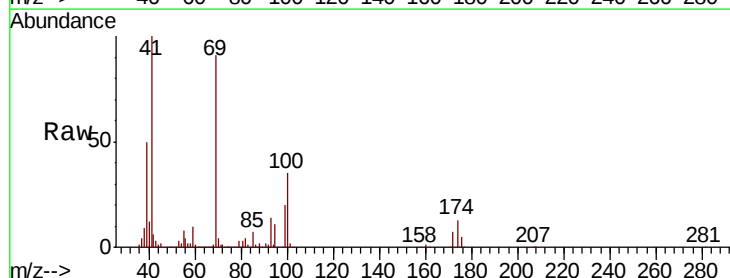
Tgt Ion: 41 Resp: 142035

Ion Ratio Lower Upper

41 100

69 93.2 72.5 108.7

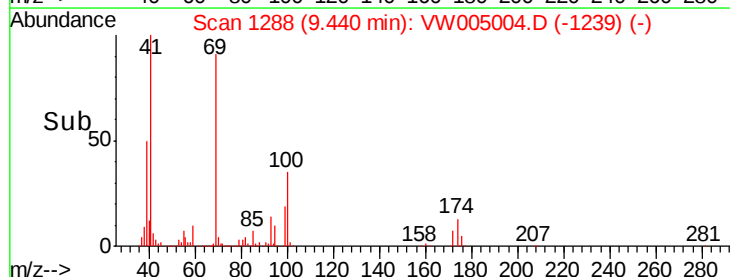
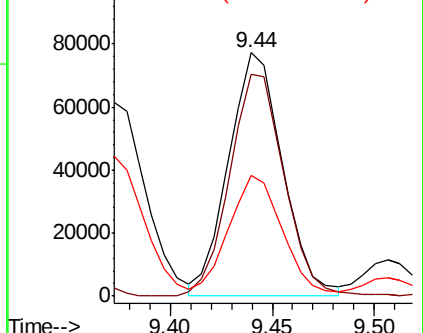
39 45.7 37.0 55.6

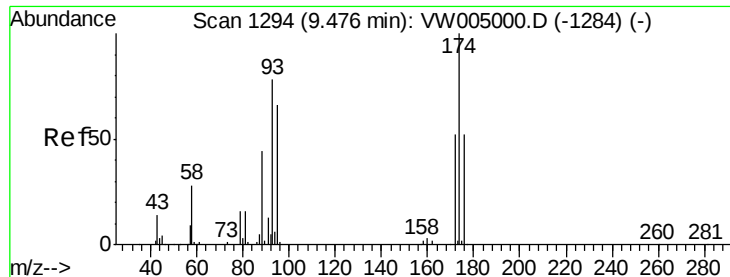


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 983.614 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

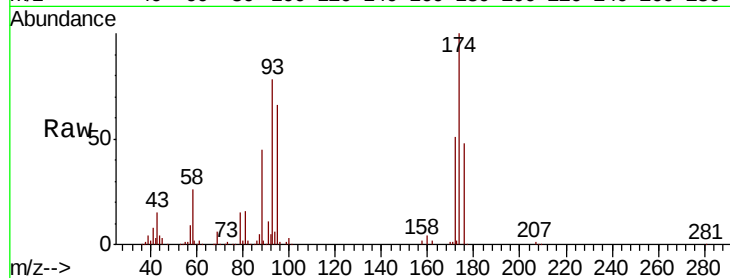
Tgt Ion: 88 Resp: 49112

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 69.8 57.0 85.4

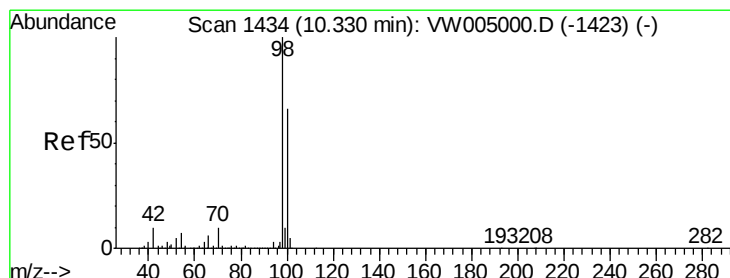
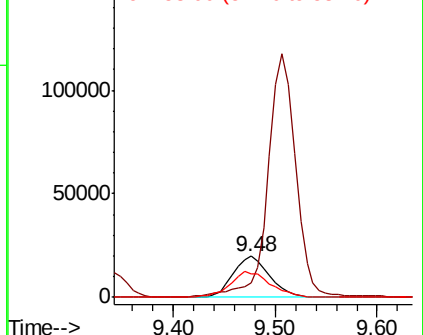
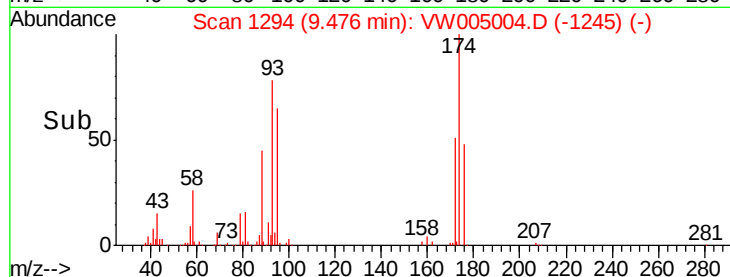


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.131 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW005004.D

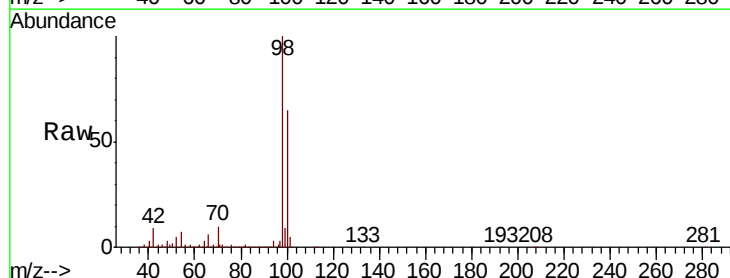
Acq: 29 Aug 2018 15:19

Tgt Ion: 98 Resp: 1117322

Ion Ratio Lower Upper

98 100

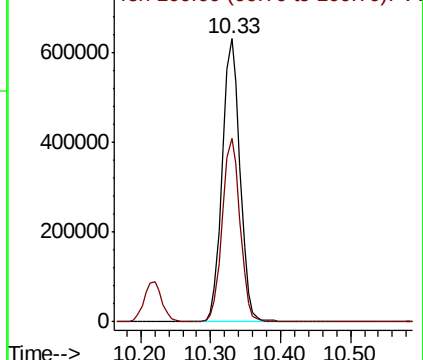
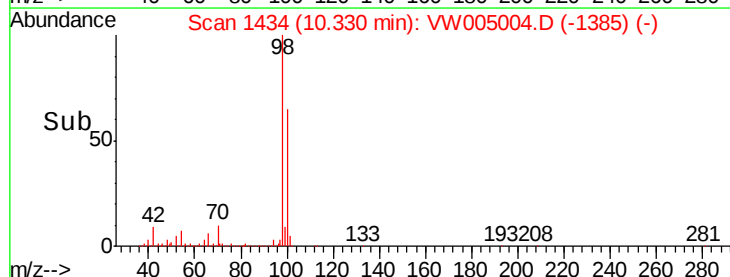
100 65.2 51.9 77.9

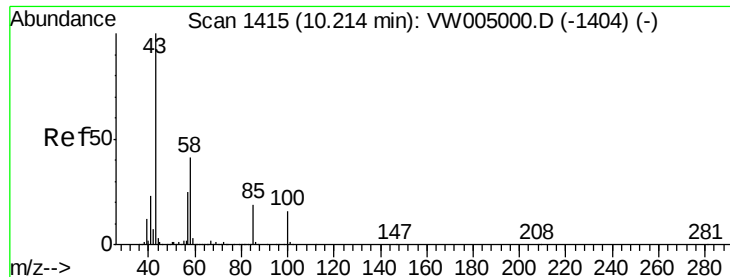


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

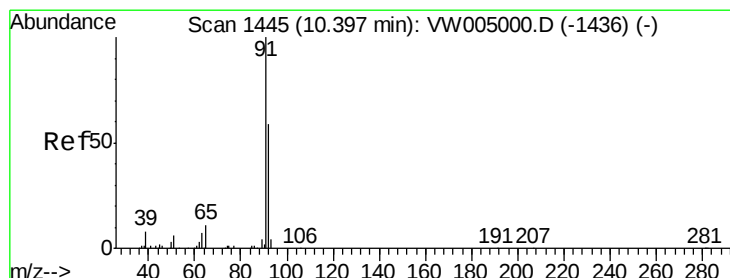
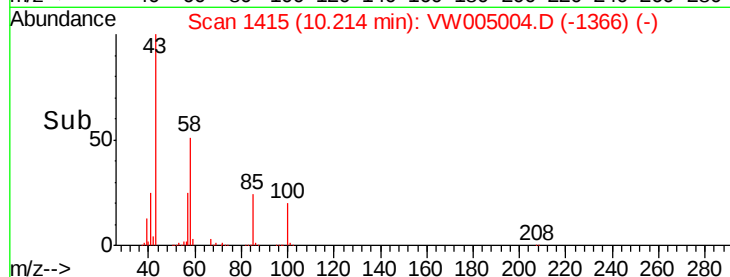
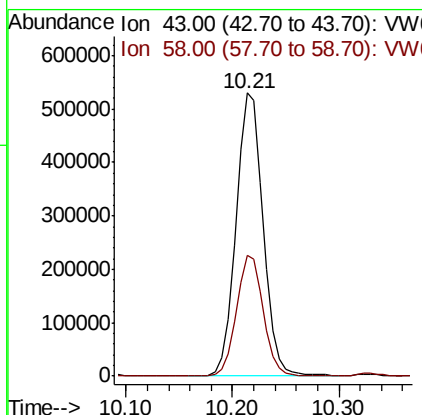
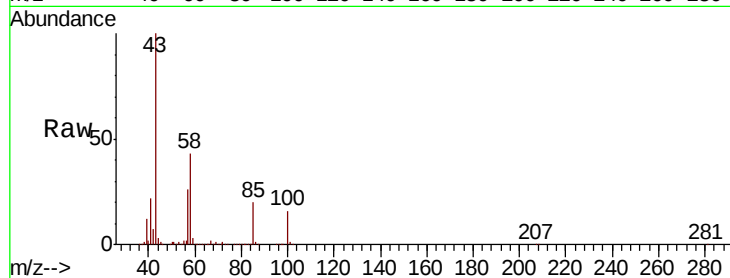




#51
 4-Methyl-2-Pentanone
 Concen: 253.770 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

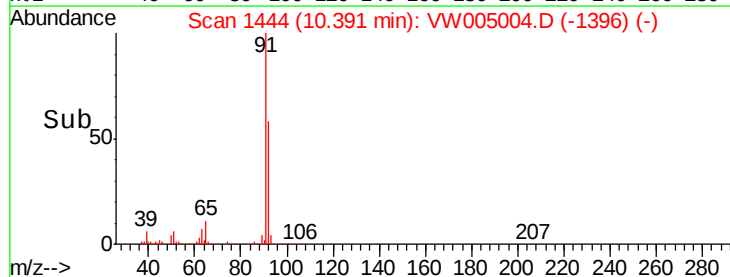
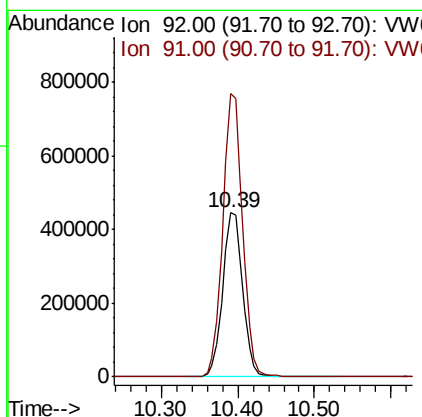
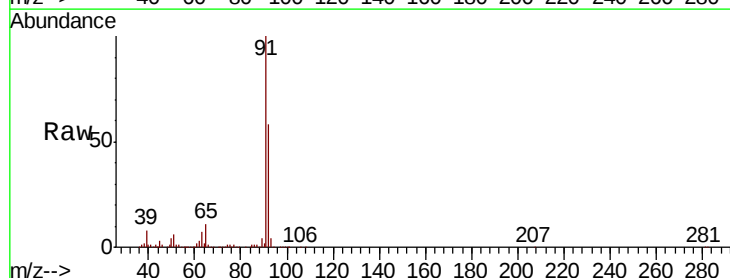
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082918

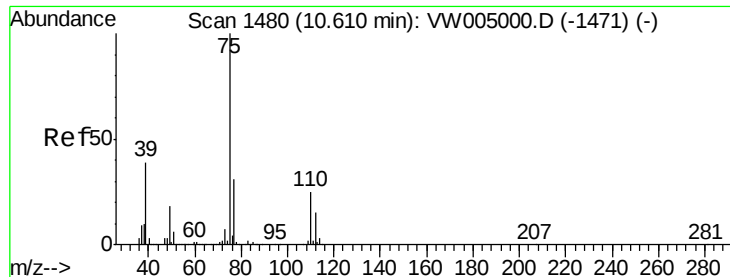
Tgt Ion: 43 Resp: 946224
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.5 50.3



#52
 Toluene
 Concen: 48.831 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 92 Resp: 804942
 Ion Ratio Lower Upper
 92 100
 91 171.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 51.665 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

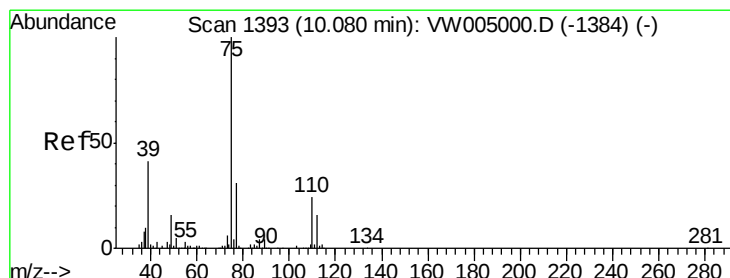
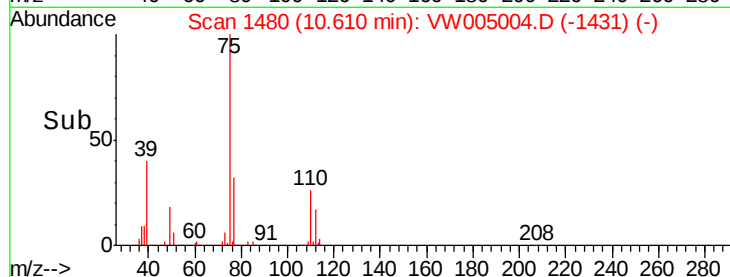
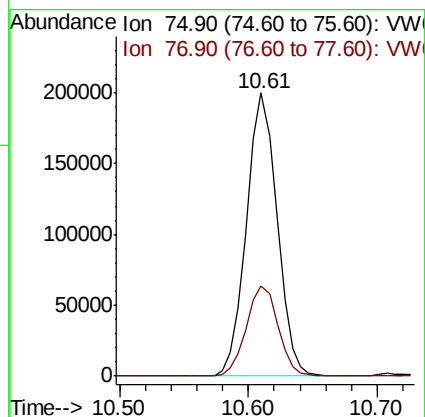
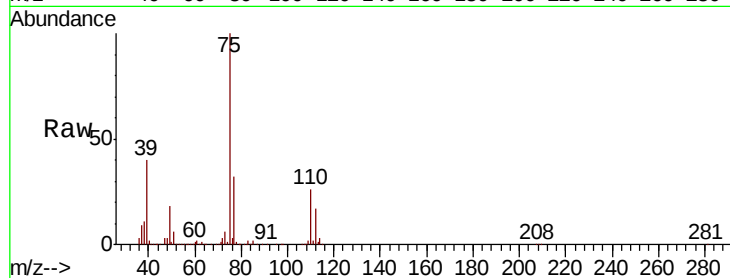
ICVW082918

Tgt Ion: 75 Resp: 328041

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 51.824 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

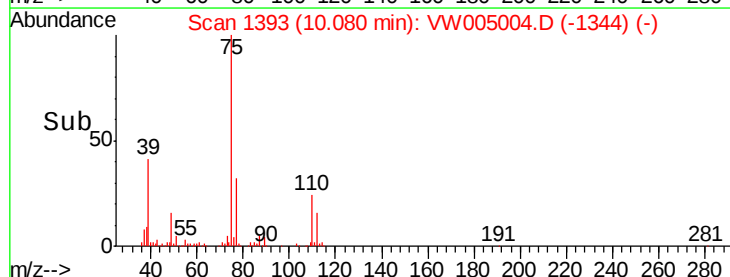
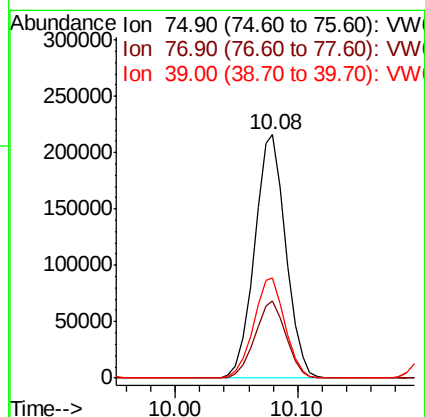
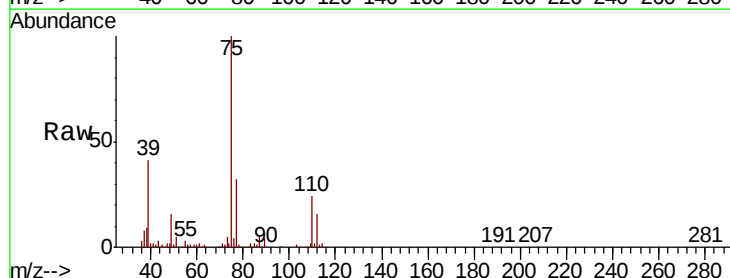
Tgt Ion: 75 Resp: 383701

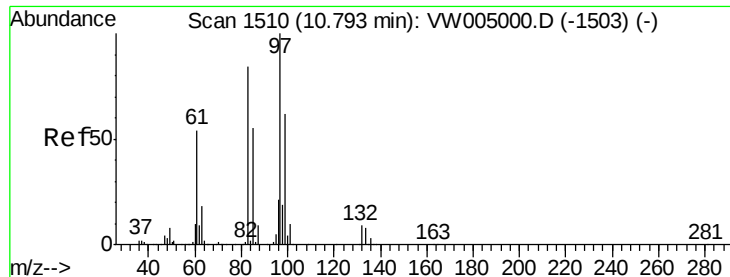
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 41.1 32.9 49.3





#55

1,1,2-Trichloroethane

Concen: 48.215 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

Tgt Ion: 97 Resp: 189883

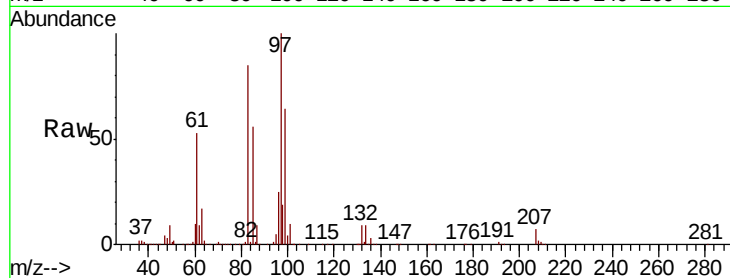
Ion Ratio Lower Upper

97 100

83 85.1 67.3 100.9

85 55.9 44.3 66.5

99 64.2 49.4 74.0

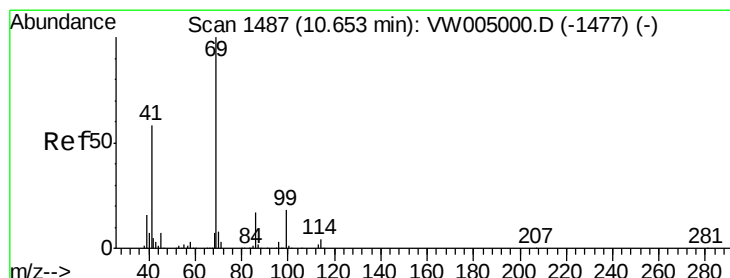
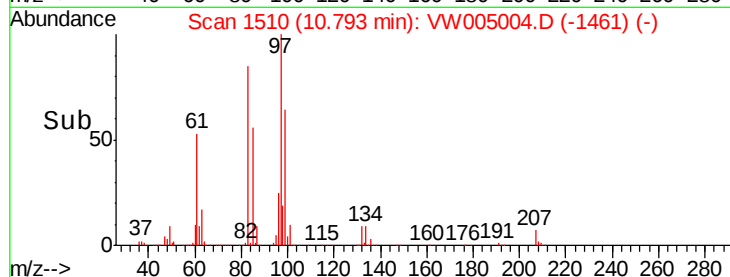
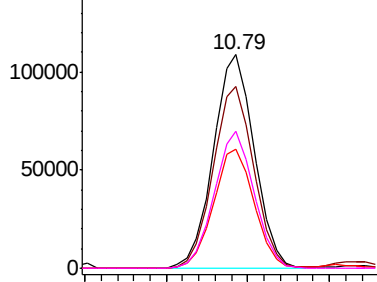


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 51.951 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

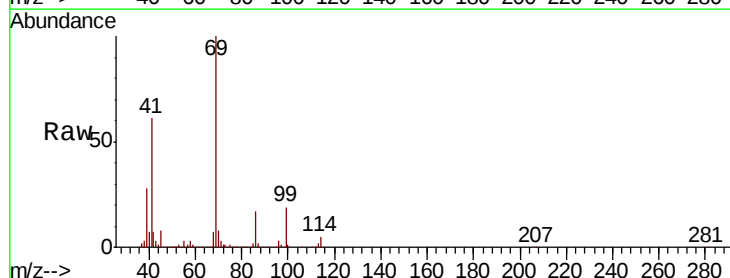
Tgt Ion: 69 Resp: 268362

Ion Ratio Lower Upper

69 100

41 61.7 47.7 71.5

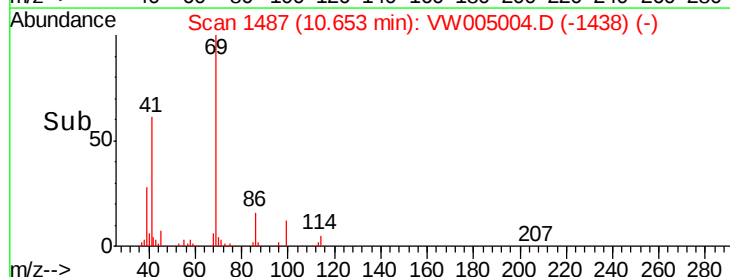
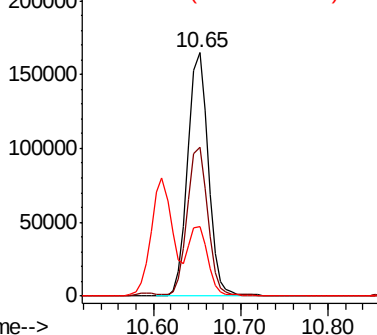
39 26.5 21.0 31.6

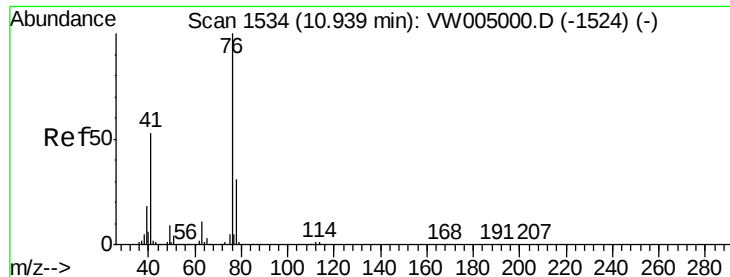


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

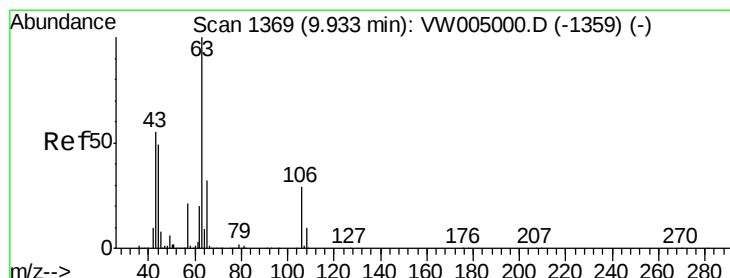
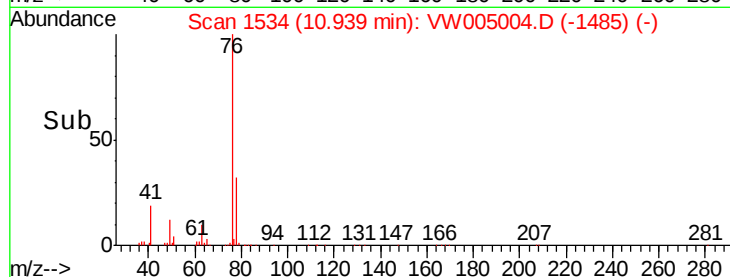
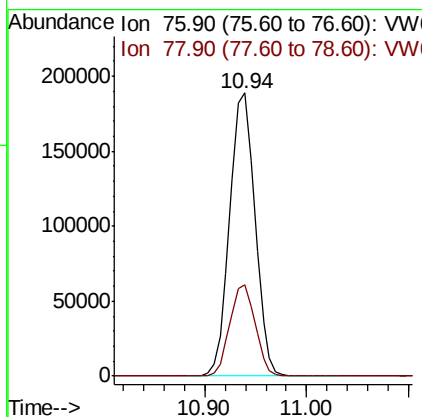
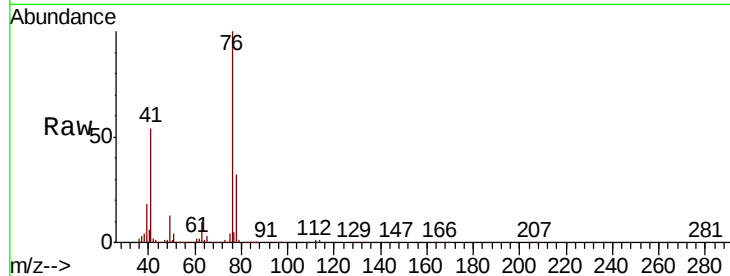




#57
 1,3-Dichloropropane
 Concen: 50.070 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

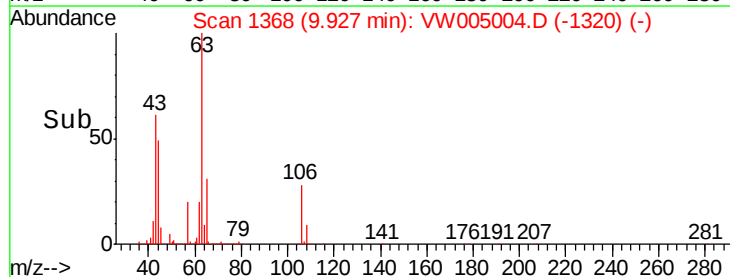
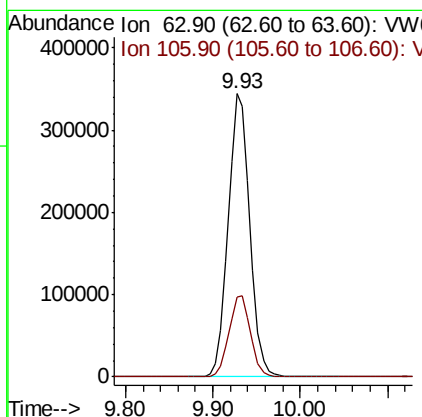
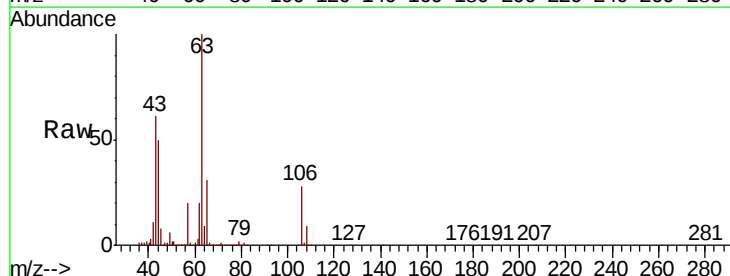
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082918

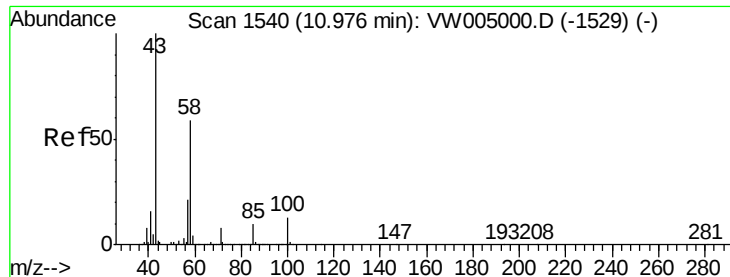
Tgt Ion: 76 Resp: 324477
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.516 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 63 Resp: 588675
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.2 34.8

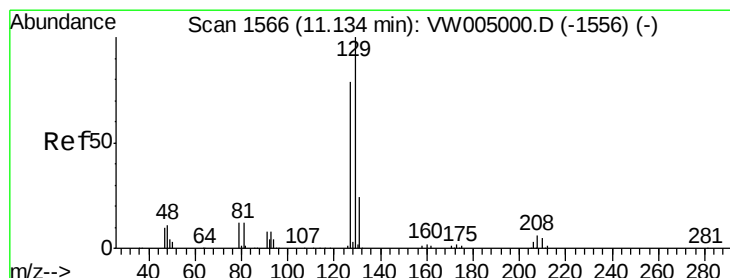
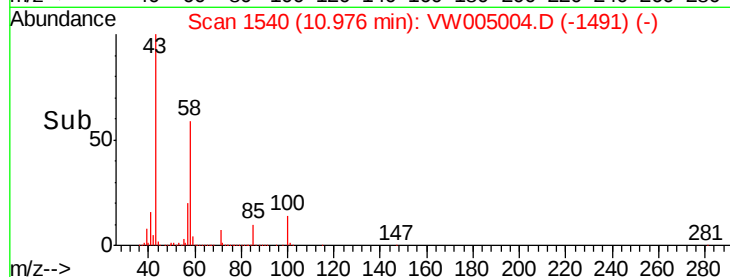
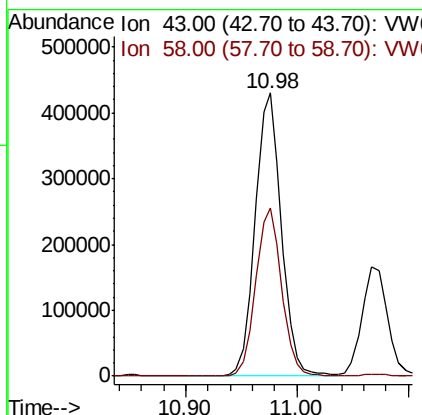
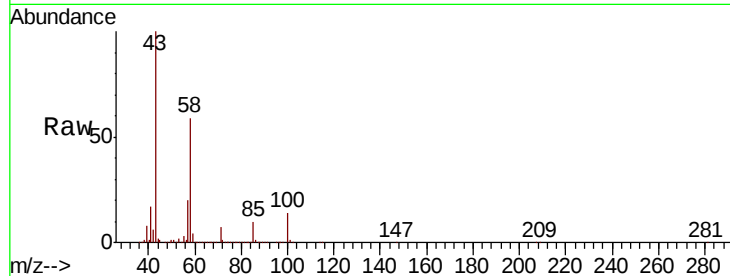




#59
2-Hexanone
Concen: 261.057 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

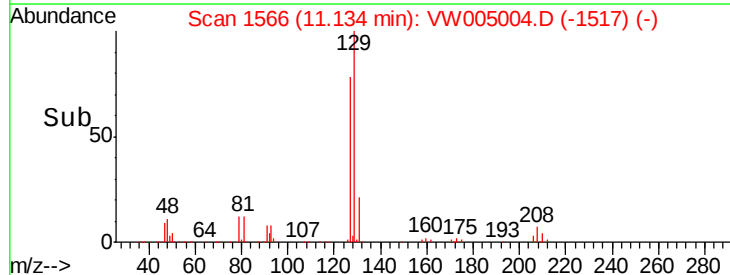
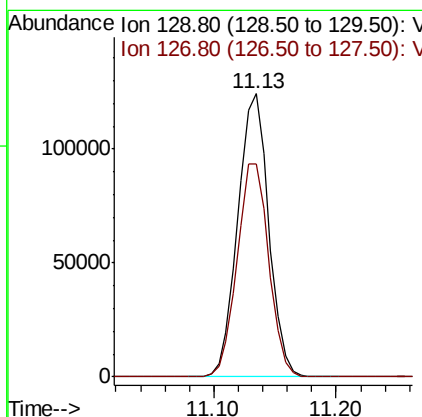
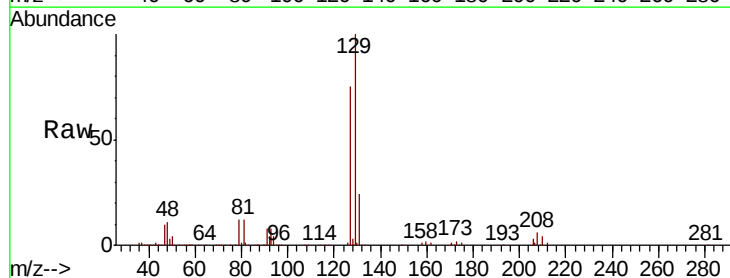
Instrument :
MSVOA_W
ClientSampleId :
ICVW082918

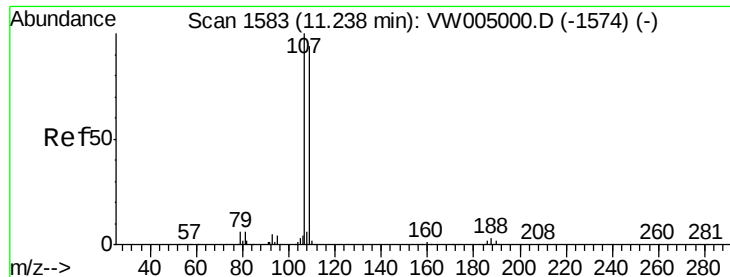
Tgt Ion: 43 Resp: 704772
Ion Ratio Lower Upper
43 100
58 58.7 29.2 87.6



#60
Dibromochloromethane
Concen: 50.286 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

Tgt Ion: 129 Resp: 217347
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8

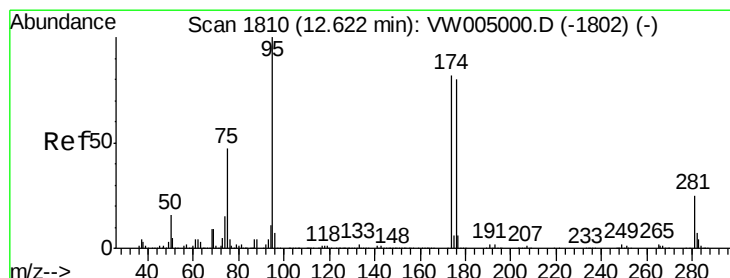
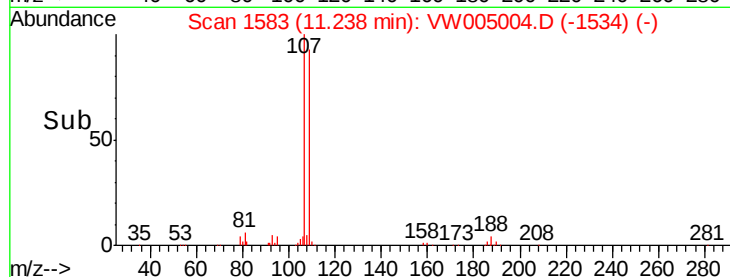
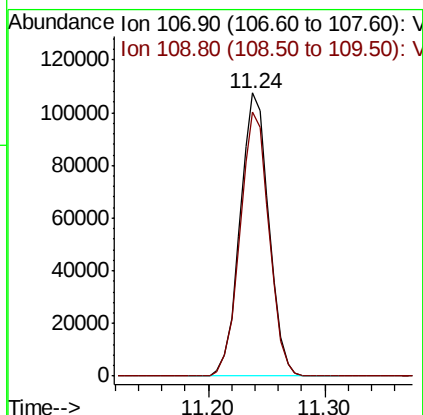
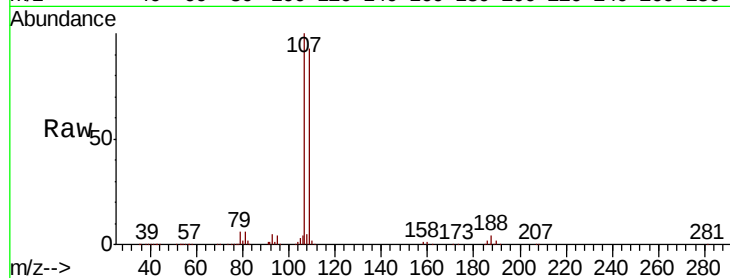




#61
 1,2-Dibromoethane
 Concen: 50.167 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

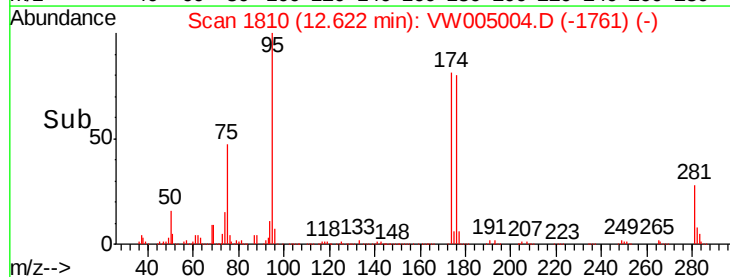
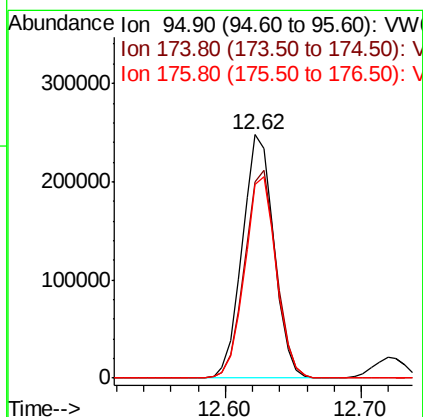
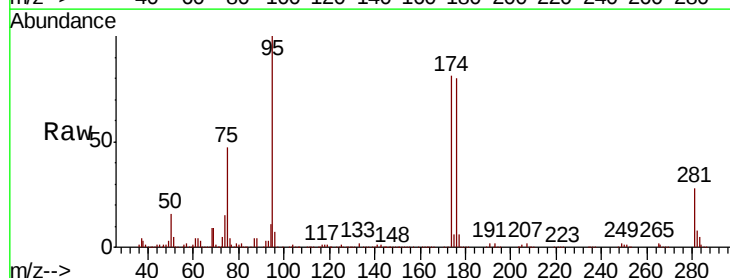
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082918

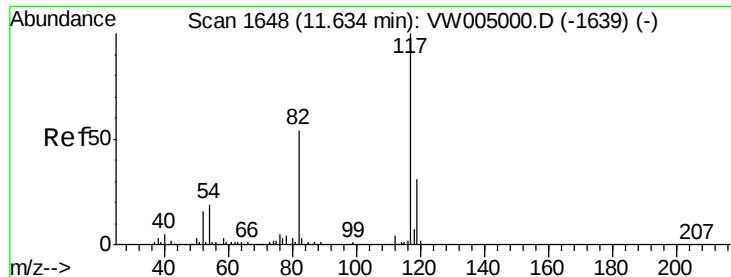
Tgt Ion: 107 Resp: 185223
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.517 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 95 Resp: 402382
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 173.4
 176 82.9 0.0 167.8

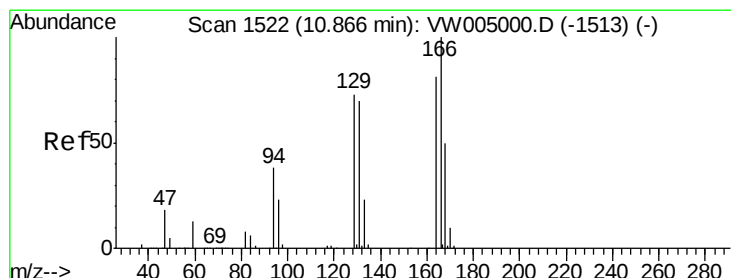
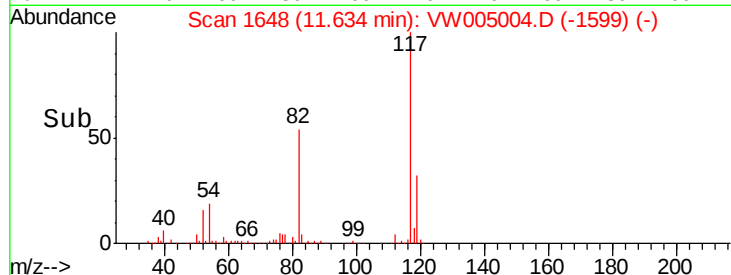
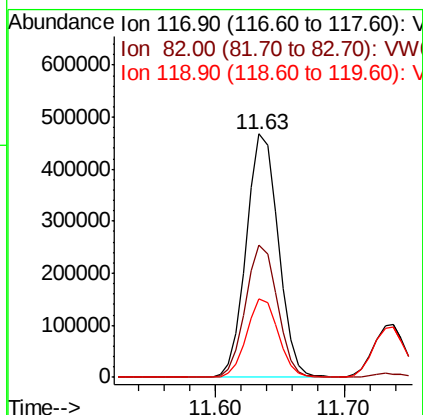
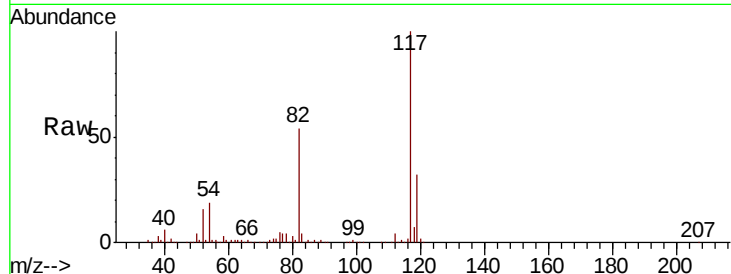




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

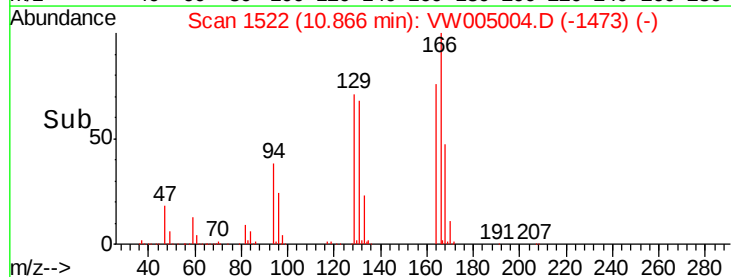
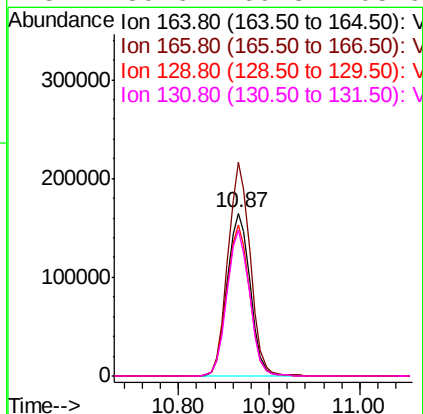
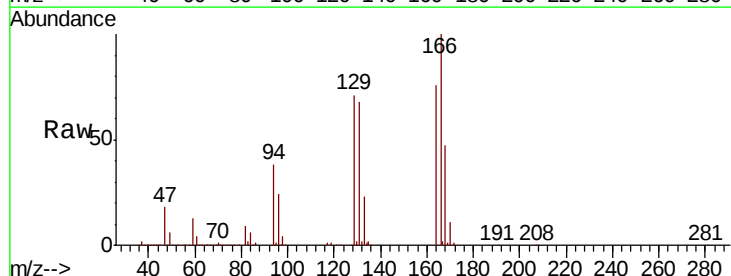
Instrument :
MSVOA_W
ClientSampleId :
ICVW082918

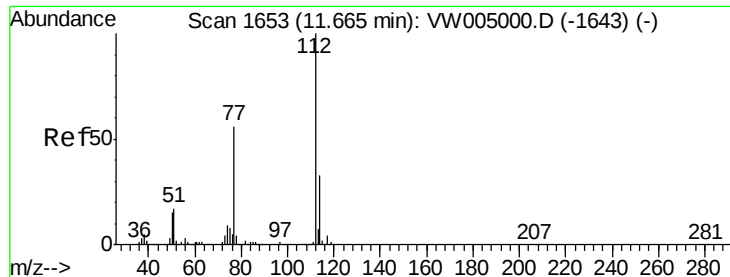
Tgt Ion:117 Resp: 802644
Ion Ratio Lower Upper
117 100
82 54.4 43.3 64.9
119 32.1 25.0 37.6



#64
Tetrachloroethene
Concen: 49.531 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

Tgt Ion:164 Resp: 289858
Ion Ratio Lower Upper
164 100
166 131.2 99.4 149.0
129 93.0 72.2 108.2
131 89.6 69.3 103.9





#65

Chlorobenzene

Concen: 49.675 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

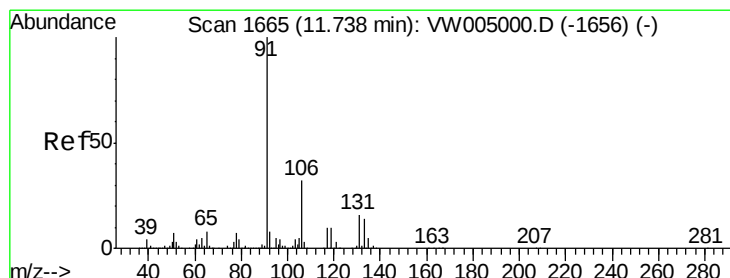
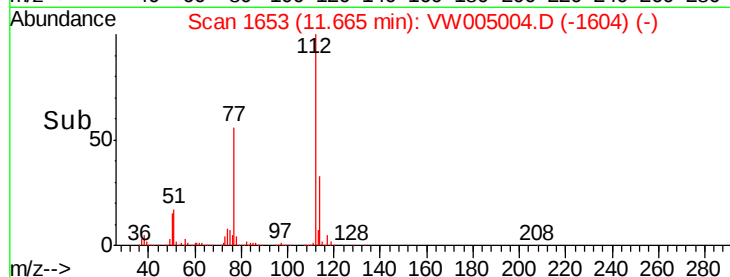
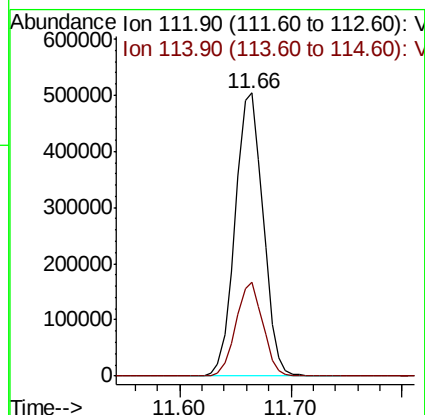
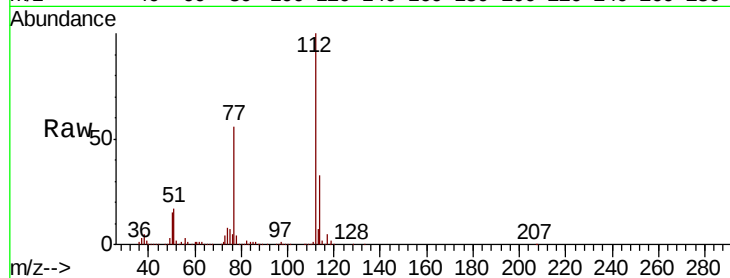
ICVW082918

Tgt Ion:112 Resp: 875996

Ion Ratio Lower Upper

112 100

114 33.3 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 51.708 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

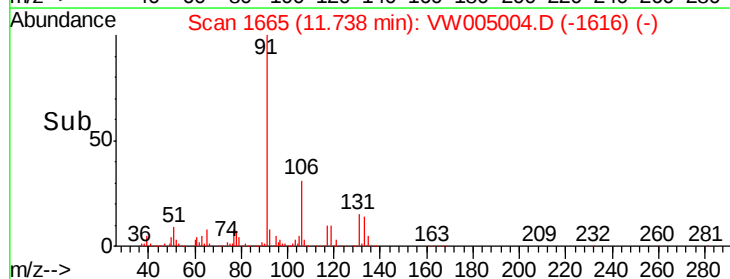
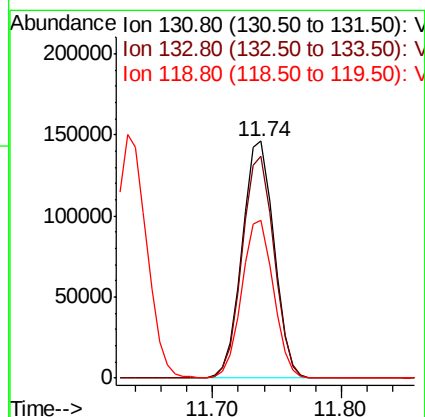
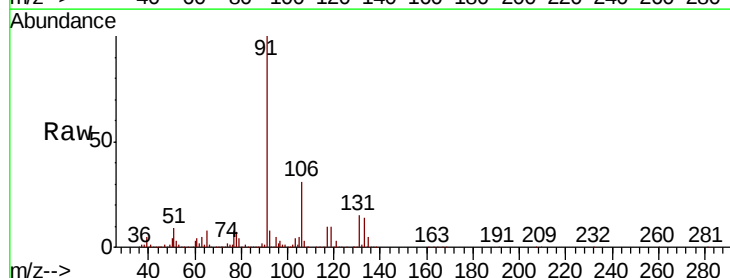
Tgt Ion:131 Resp: 250447

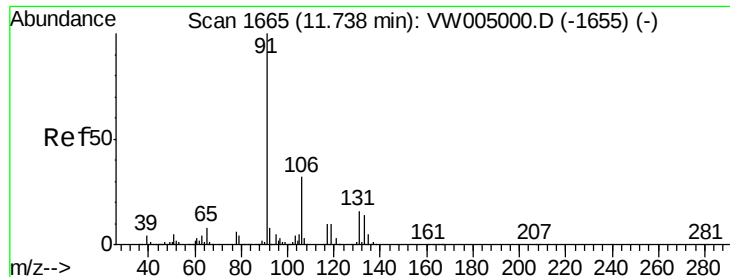
Ion Ratio Lower Upper

131 100

133 93.9 47.4 142.3

119 66.2 33.1 99.3

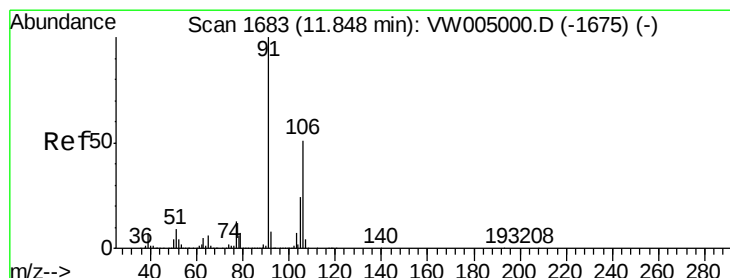
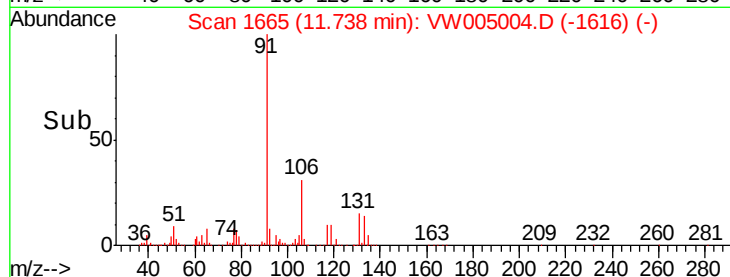
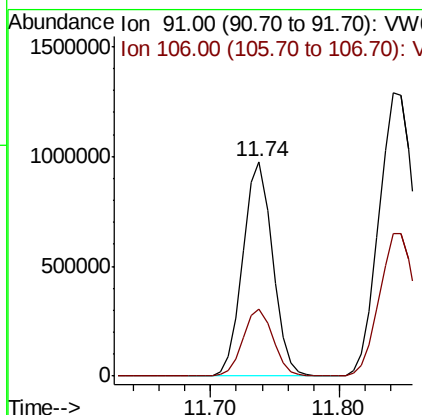
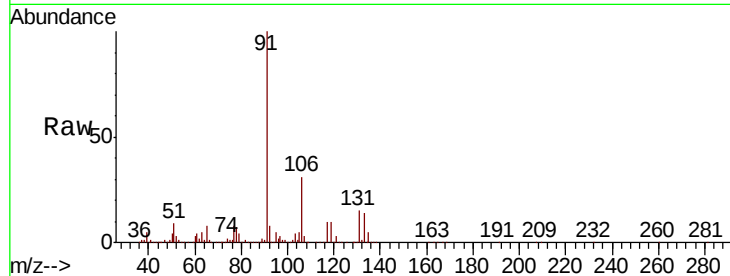




#67
Ethyl Benzene
Concen: 51.707 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

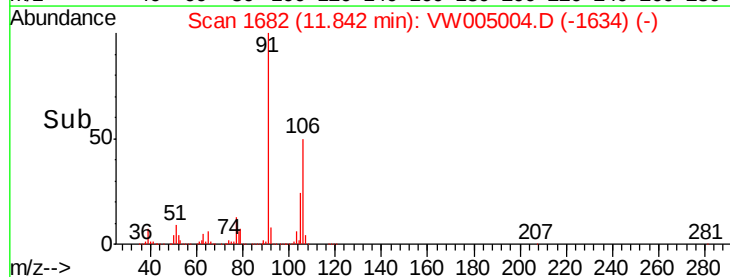
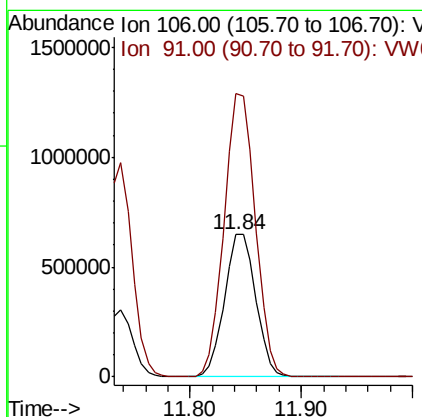
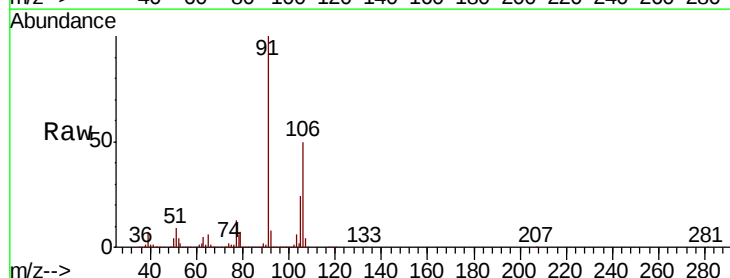
Instrument :
MSVOA_W
ClientSampleId :
ICVW082918

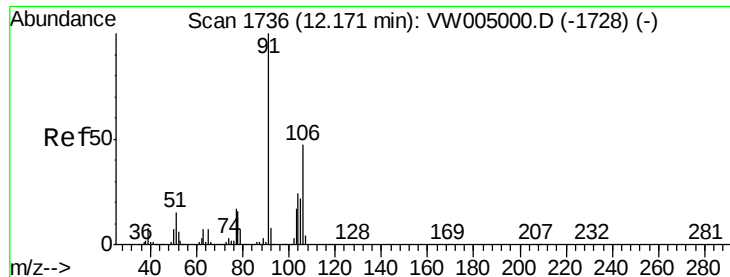
Tgt Ion: 91 Resp: 1561304
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2



#68
m/p-Xylenes
Concen: 102.210 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

Tgt Ion: 106 Resp: 1258800
Ion Ratio Lower Upper
106 100
91 198.6 158.4 237.6

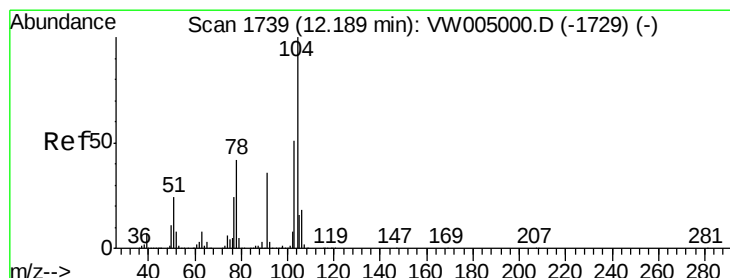
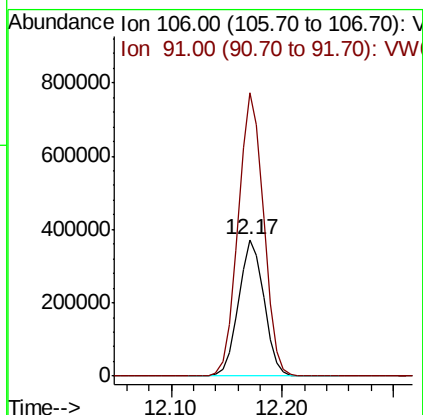
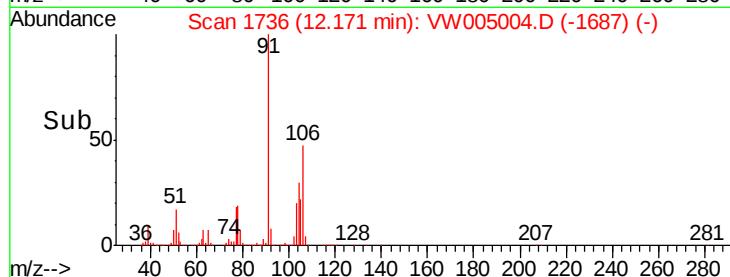
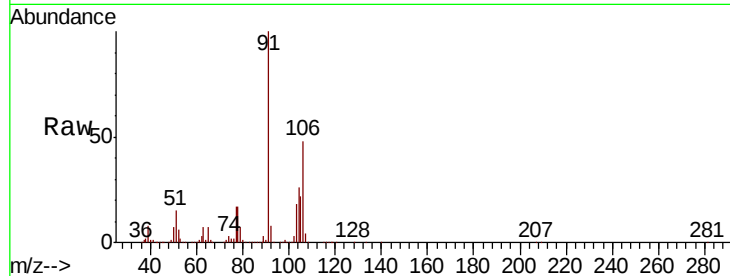




#69
o-Xylene
Concen: 52.142 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

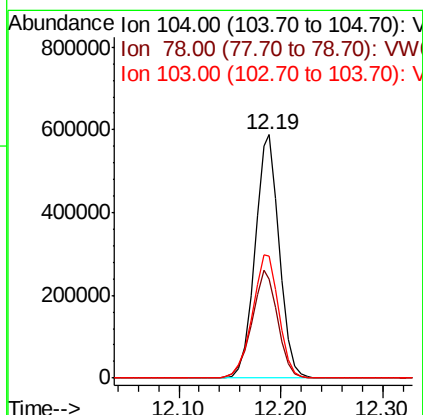
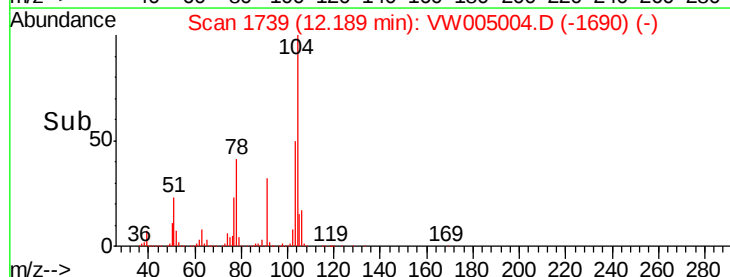
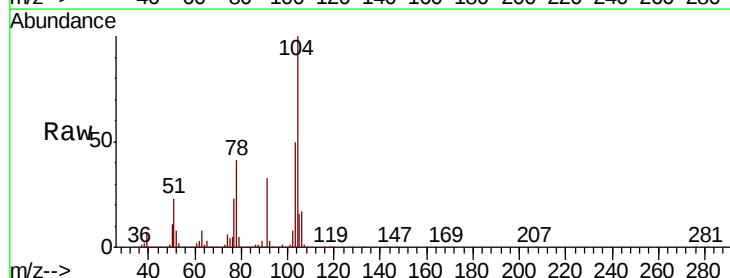
Instrument :
MSVOA_W
ClientSampleId :
ICVW082918

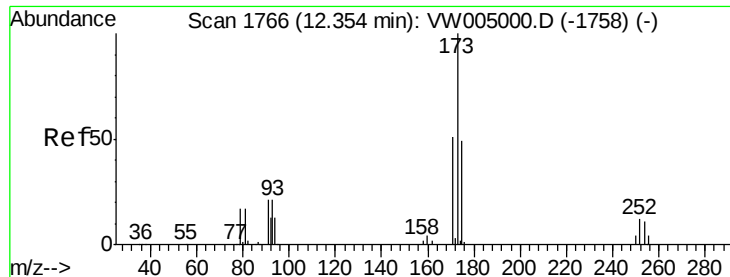
Tgt Ion:106 Resp: 586780
Ion Ratio Lower Upper
106 100
91 208.4 104.4 313.1



#70
Styrene
Concen: 52.076 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

Tgt Ion:104 Resp: 972156
Ion Ratio Lower Upper
104 100
78 47.0 37.6 56.4
103 55.2 43.9 65.9

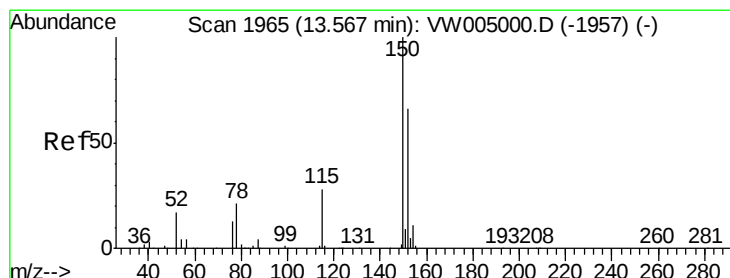
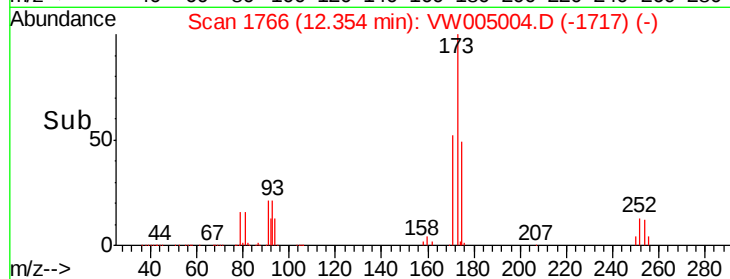
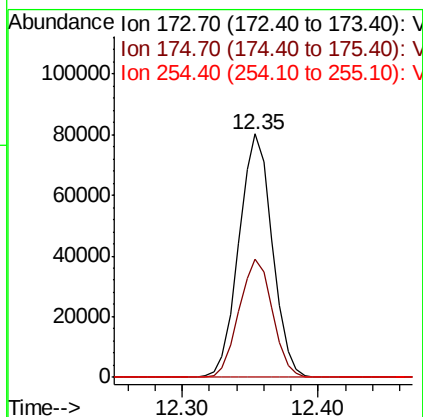
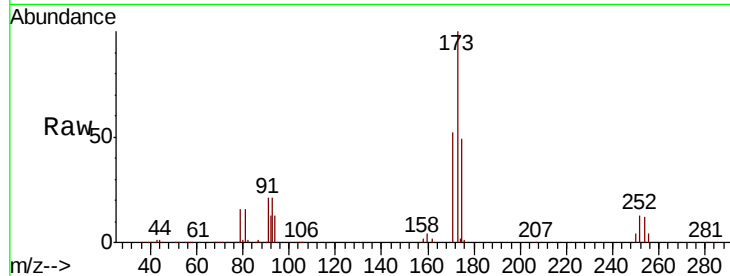




#71
Bromoform
Concen: 50.922 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

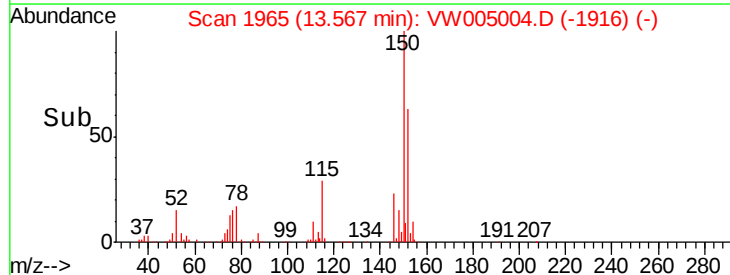
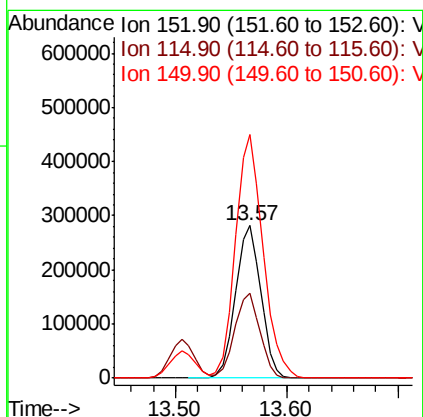
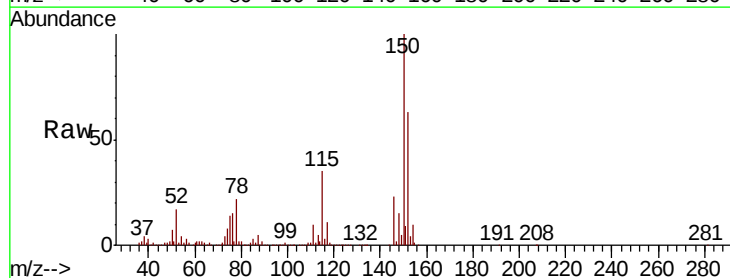
Instrument :
MSVOA_W
ClientSampleId :
ICVW082918

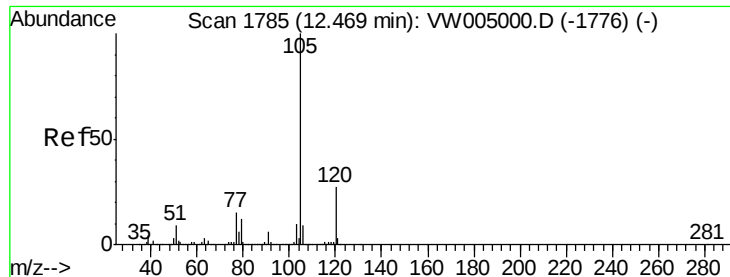
Tgt Ion:173 Resp: 137138
Ion Ratio Lower Upper
173 100
175 48.8 24.3 73.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005004.D
Acq: 29 Aug 2018 15:19

Tgt Ion:152 Resp: 441961
Ion Ratio Lower Upper
152 100
115 55.7 28.0 83.9
150 174.5 0.0 347.2





#73

Isopropylbenzene

Concen: 53.824 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

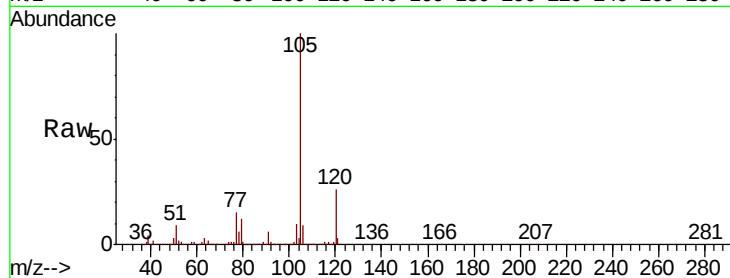
ICVW082918

Tgt Ion:105 Resp: 1585767

Ion Ratio Lower Upper

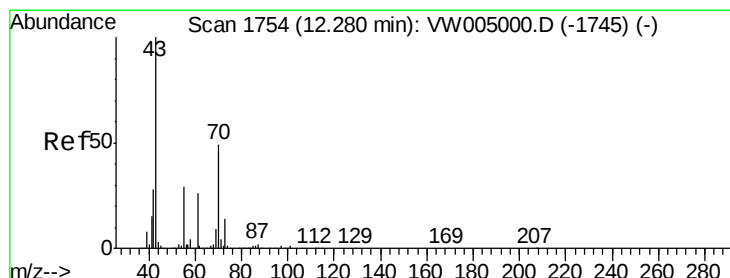
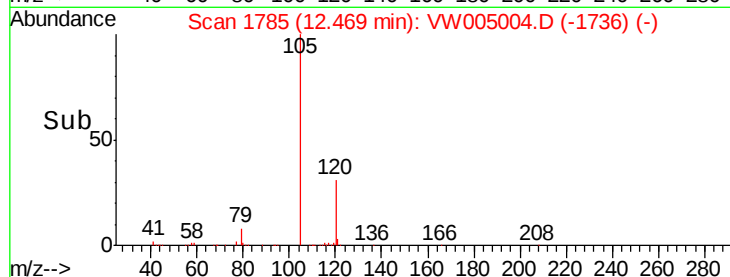
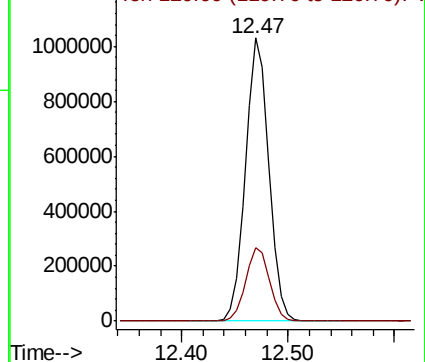
105 100

120 26.5 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.230 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Tgt Ion: 43 Resp: 301506

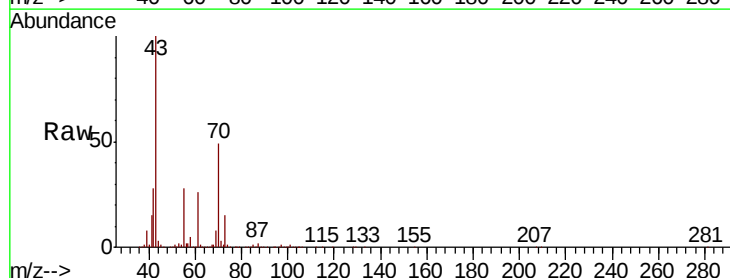
Ion Ratio Lower Upper

43 100

70 47.6 38.6 57.8

55 28.6 23.6 35.4

61 26.2 21.0 31.6

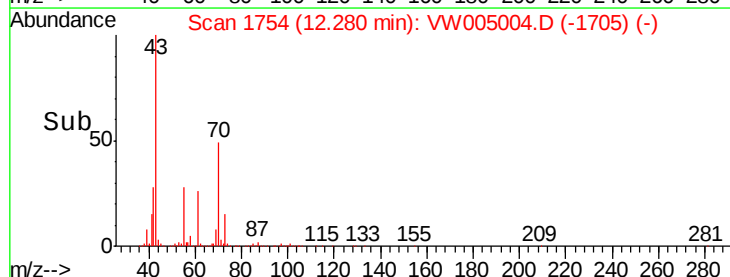
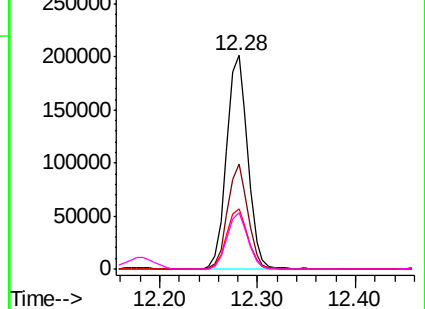


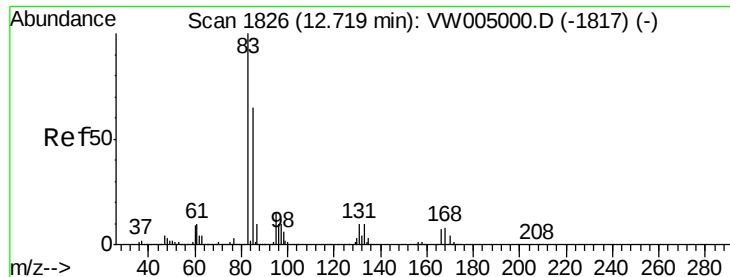
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 52.072 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

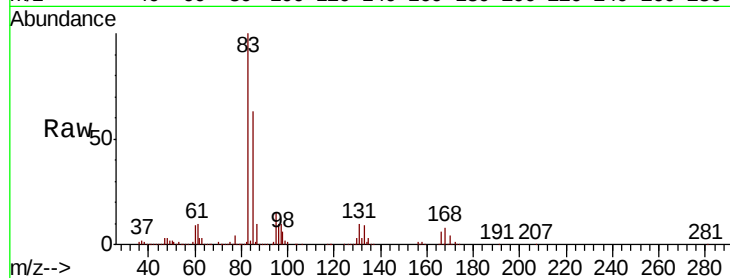
Tgt Ion: 83 Resp: 232283

Ion Ratio Lower Upper

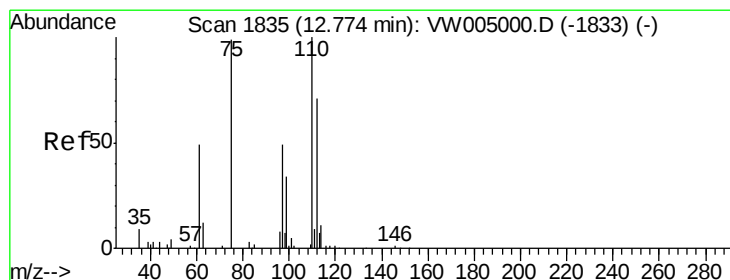
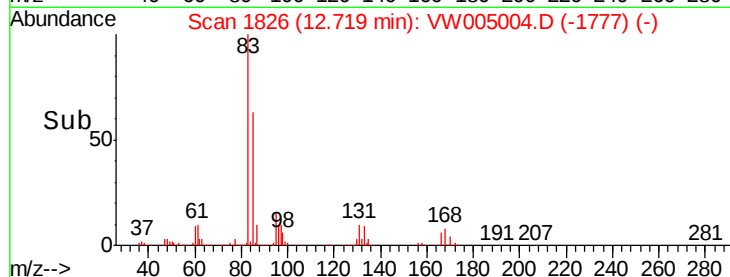
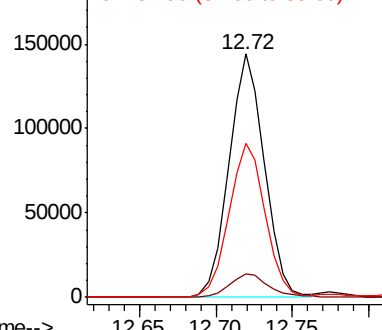
83 100

131 10.6 5.5 16.5

85 64.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 101.120 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW005004.D

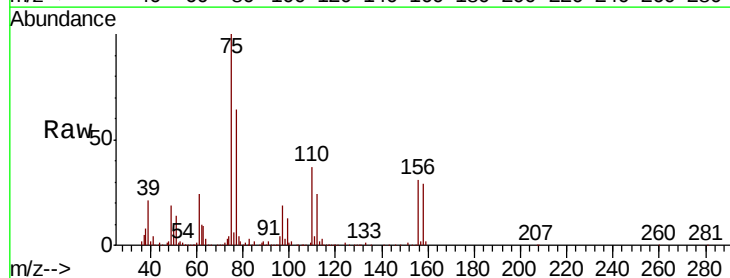
Acq: 29 Aug 2018 15:19

Tgt Ion: 75 Resp: 316525

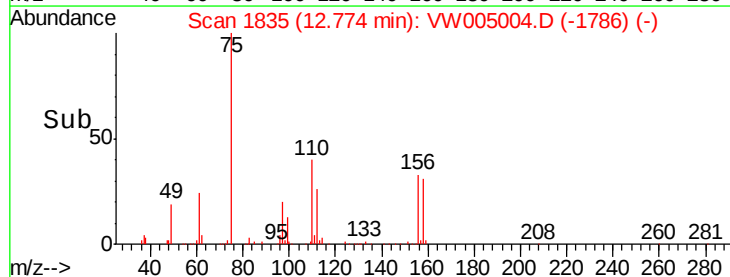
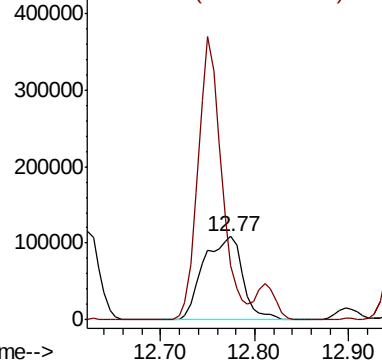
Ion Ratio Lower Upper

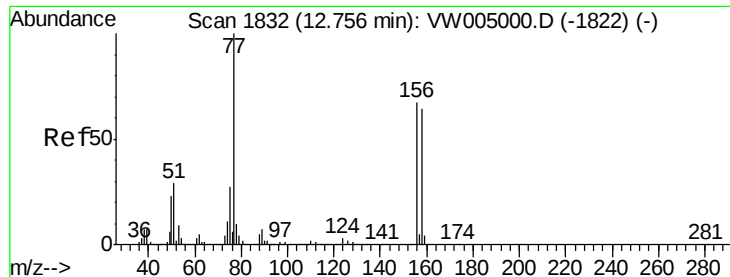
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.193 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

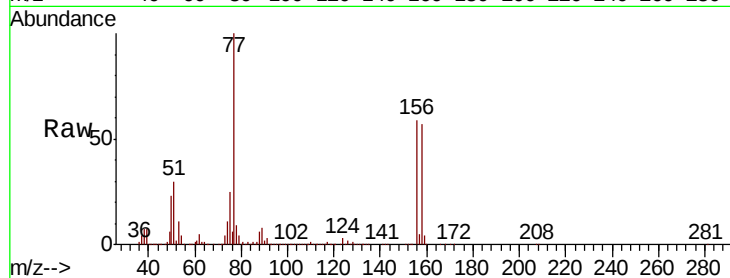
Tgt Ion:156 Resp: 370055

Ion Ratio Lower Upper

156 100

77 174.4 86.9 260.6

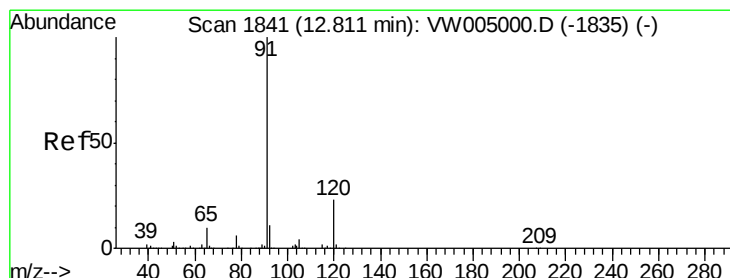
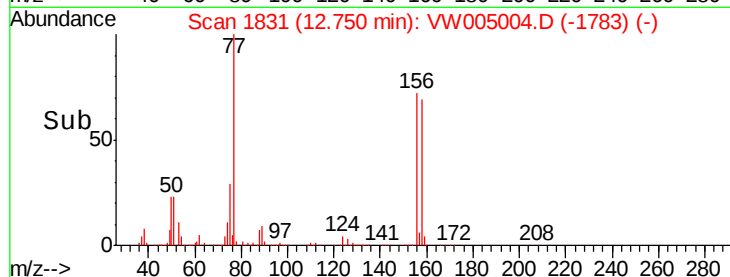
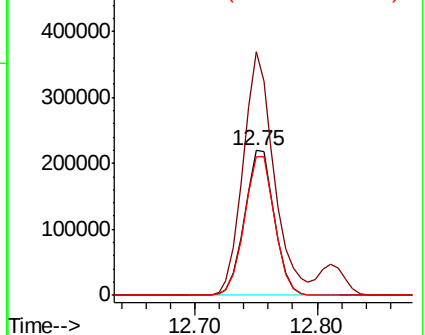
158 97.2 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.241 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW005004.D

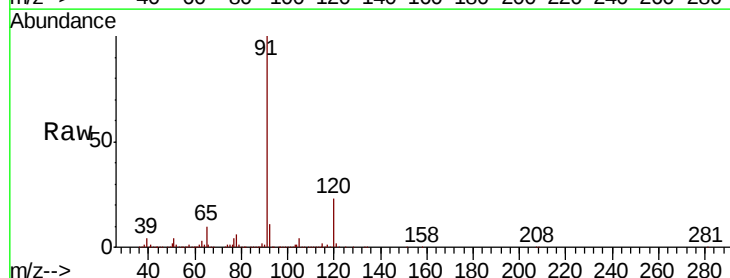
Acq: 29 Aug 2018 15:19

Tgt Ion: 91 Resp: 1934858

Ion Ratio Lower Upper

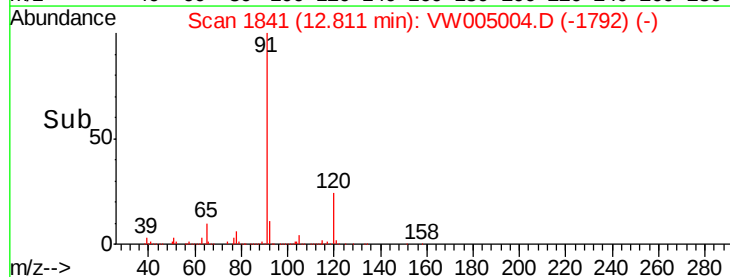
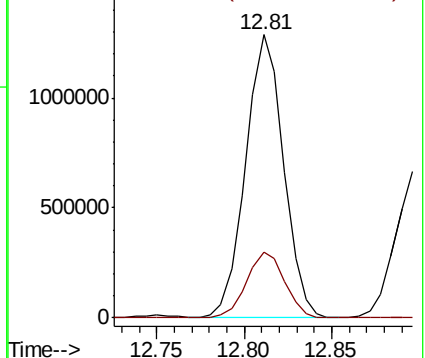
91 100

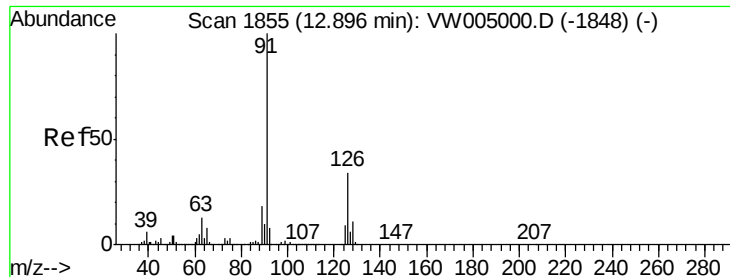
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

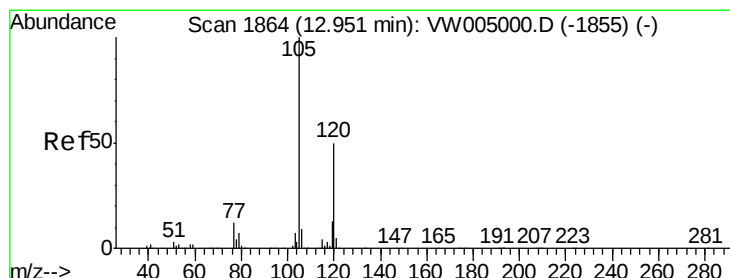
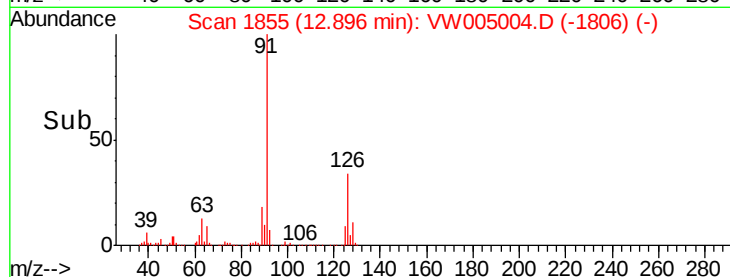
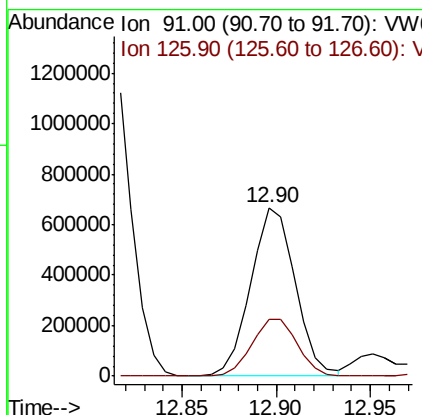
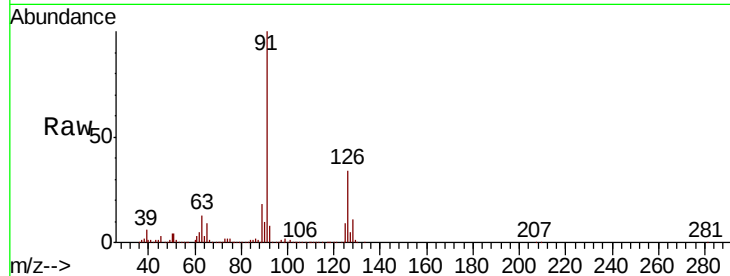




#79
 2-Chlorotoluene
 Concen: 51.971 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

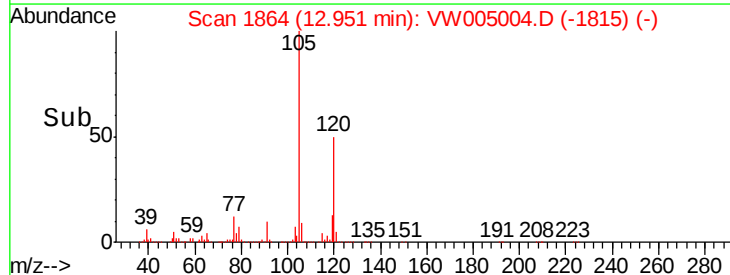
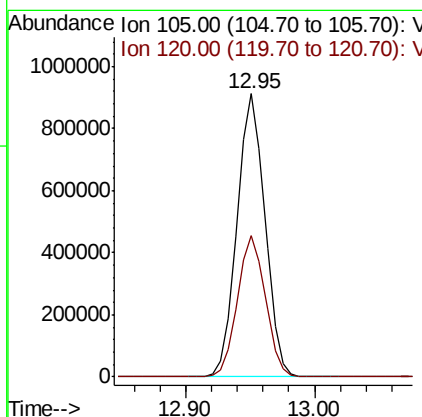
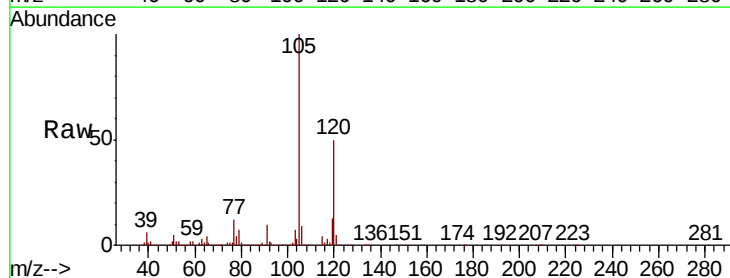
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082918

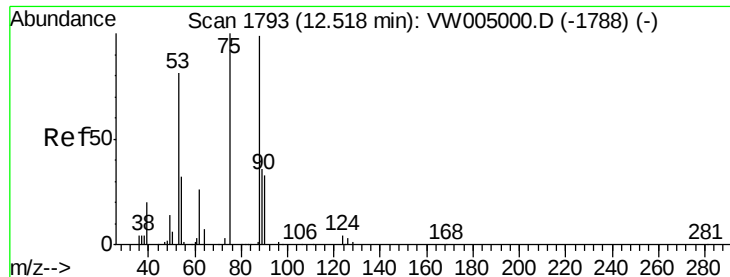
Tgt Ion: 91 Resp: 1090852
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 52.653 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Tgt Ion: 105 Resp: 1370558
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 54.971 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

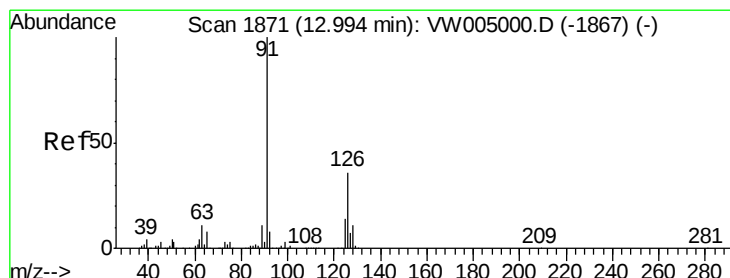
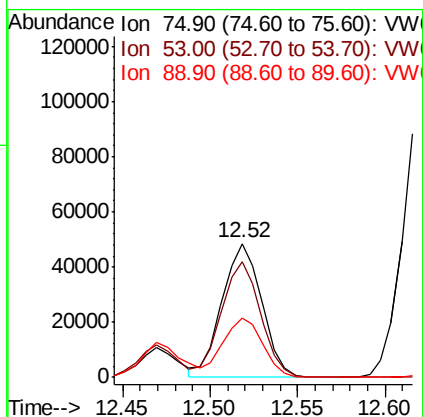
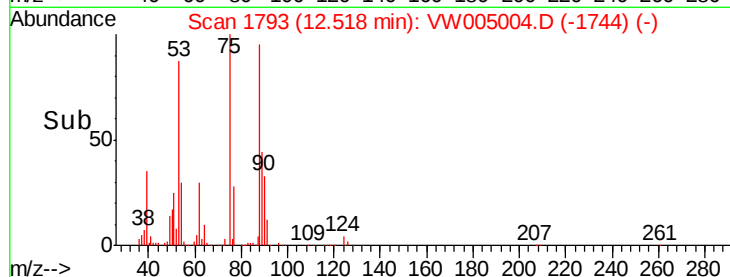
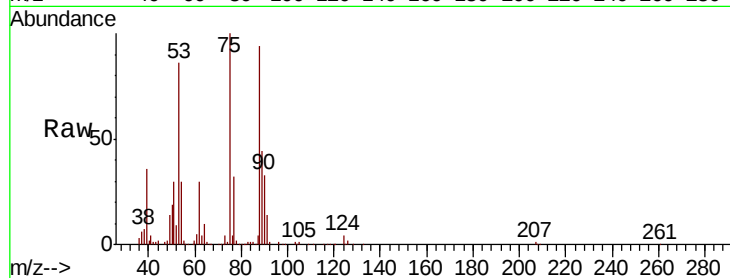
Tgt Ion: 75 Resp: 76137

Ion Ratio Lower Upper

75 100

53 86.5 67.4 101.2

89 44.7 35.0 52.6



#82

4-Chlorotoluene

Concen: 51.940 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW005004.D

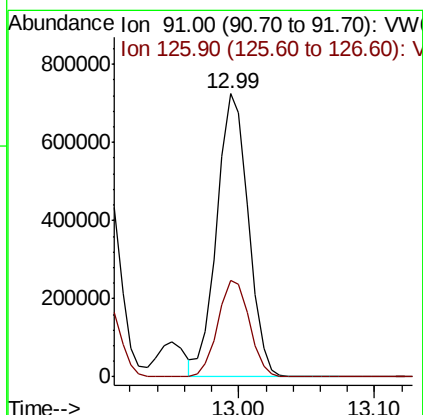
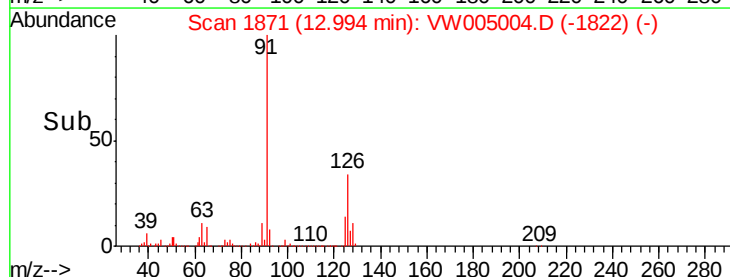
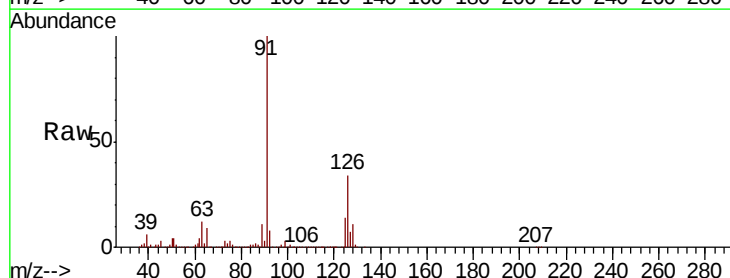
Acq: 29 Aug 2018 15:19

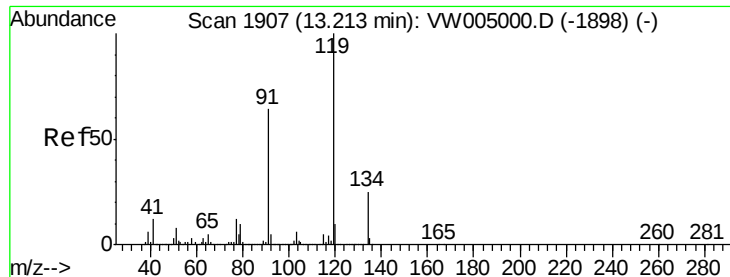
Tgt Ion: 91 Resp: 1161539

Ion Ratio Lower Upper

91 100

126 34.3 17.5 52.5

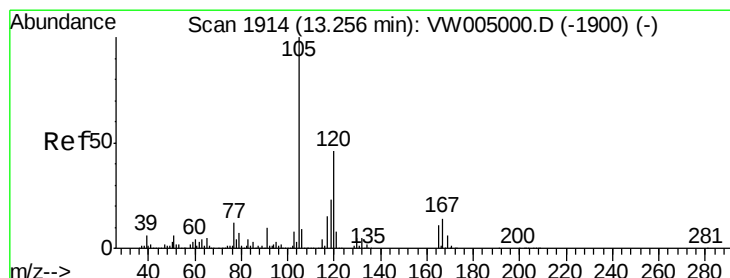
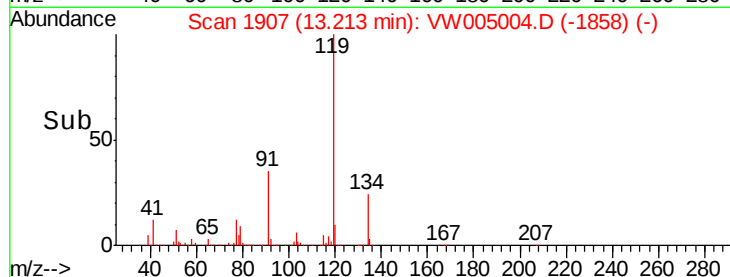
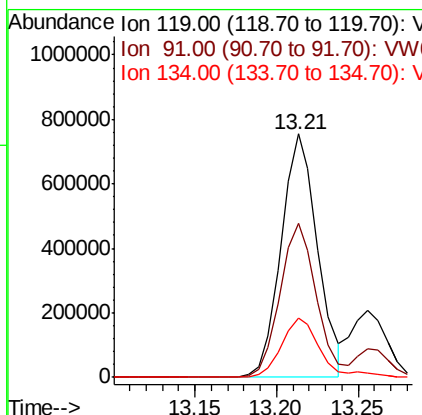
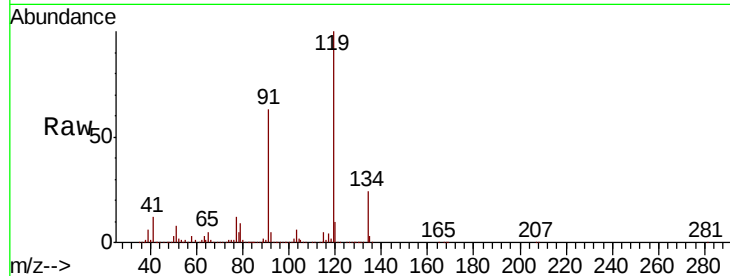




#83
 tert-Butylbenzene
 Concen: 53.568 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

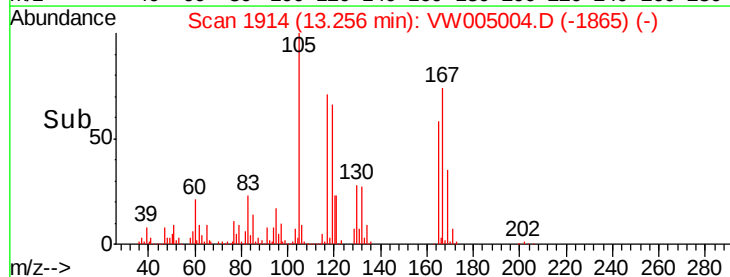
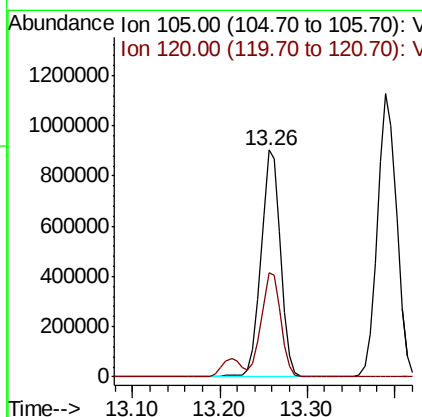
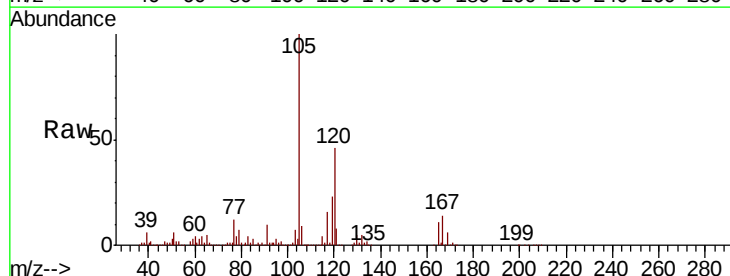
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082918

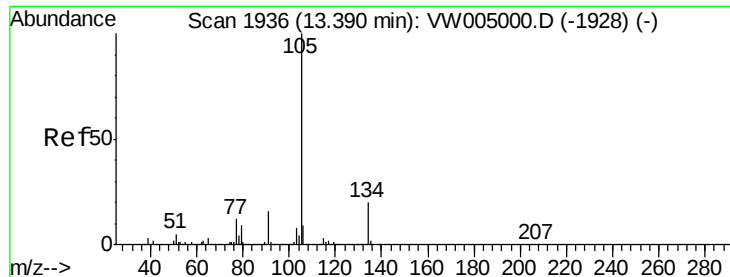
Tgt Ion:119 Resp: 1171146
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.9 95.5
 134 26.0 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 53.053 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Tgt Ion:105 Resp: 1401189
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.7

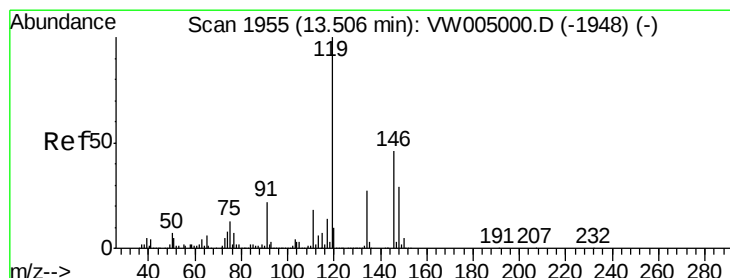
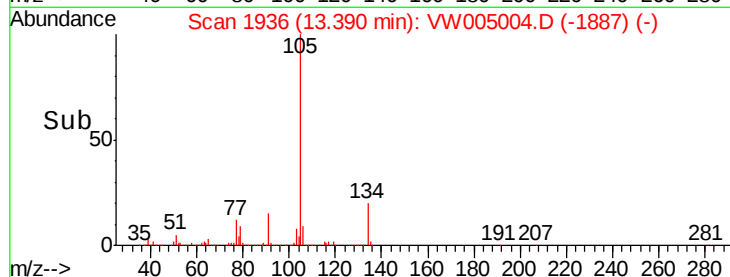
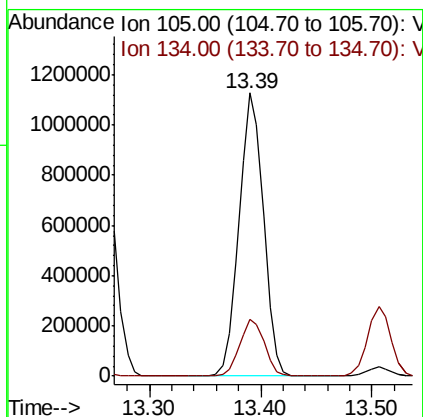
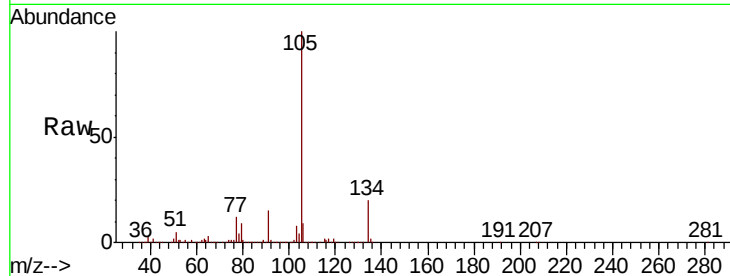




#85
 sec-Butylbenzene
 Concen: 53.278 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

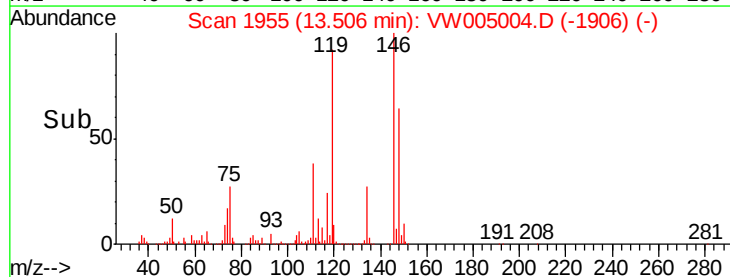
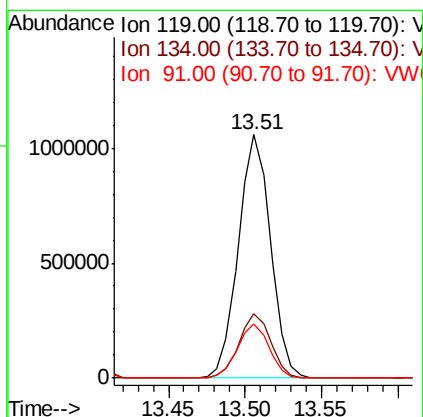
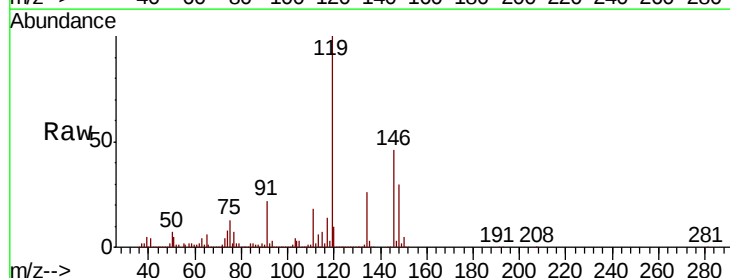
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082918

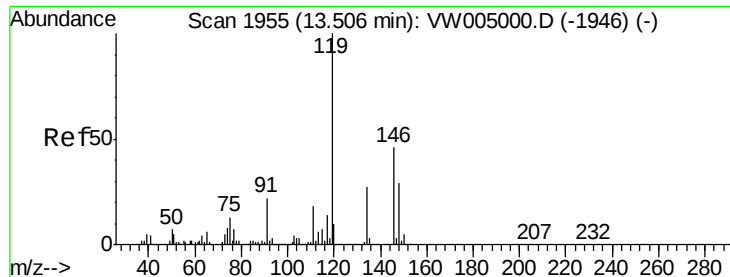
Tgt Ion:105 Resp: 1709846
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 53.740 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Tgt Ion:119 Resp: 1545140
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 21.8 10.9 32.9

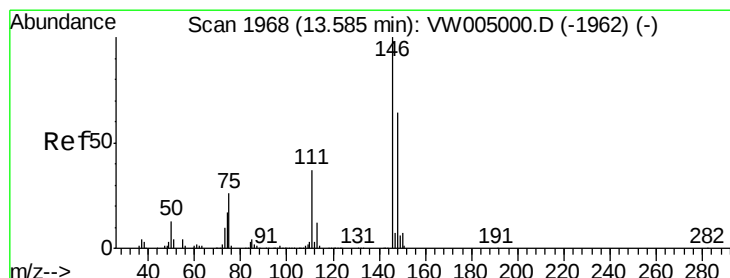
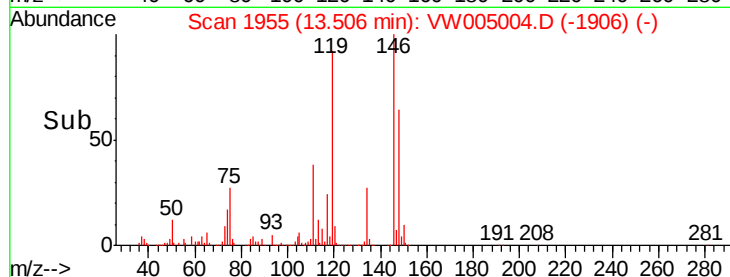
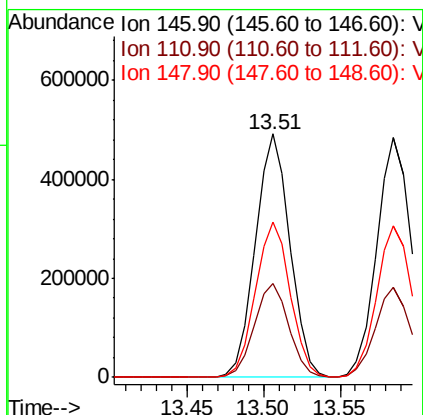
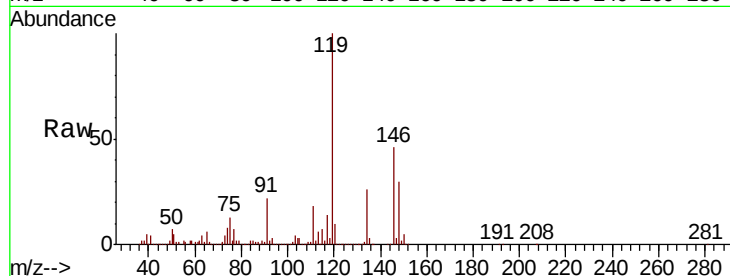




#87
 1,3-Dichlorobenzene
 Concen: 50.481 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

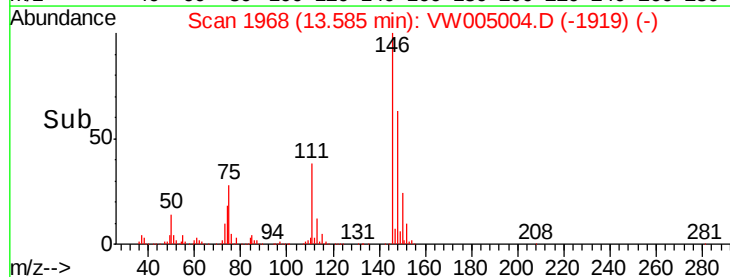
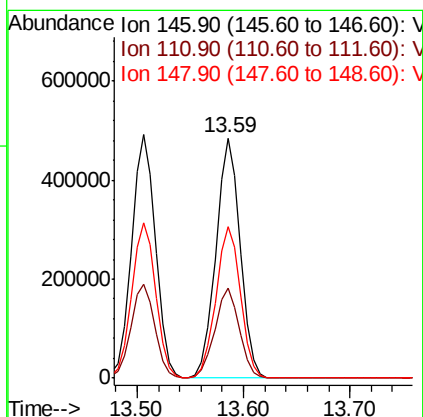
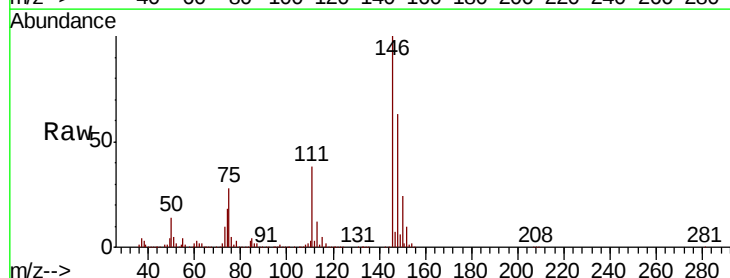
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW082918

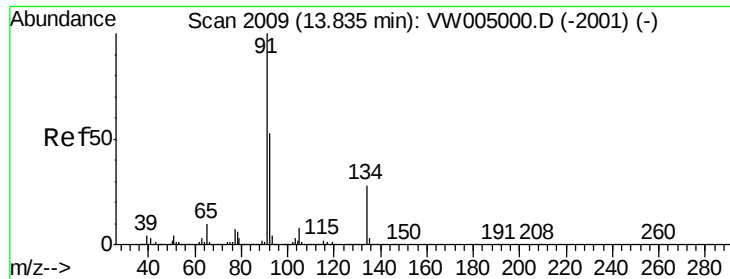
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.8
148	64.1	31.6	94.7



#88
 1,4-Dichlorobenzene
 Concen: 50.114 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW005004.D
 Acq: 29 Aug 2018 15:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	64.2	31.7	95.1





#89

n-Butylbenzene

Concen: 54.084 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.01 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

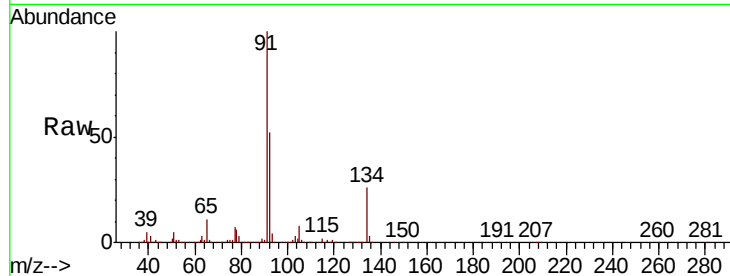
Tgt Ion: 91 Resp: 1459786

Ion Ratio Lower Upper

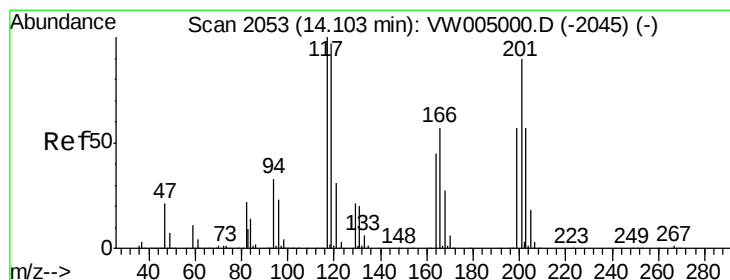
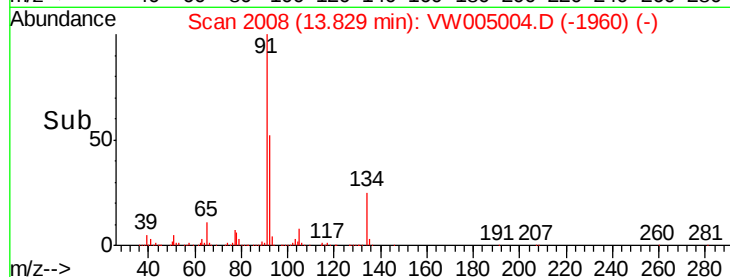
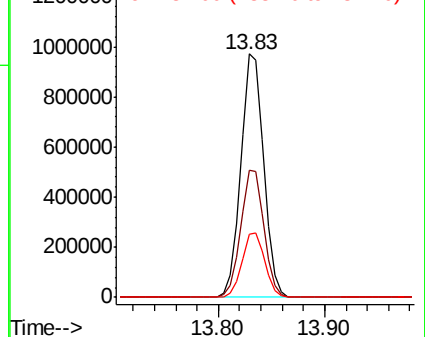
91 100

92 53.0 26.5 79.4

134 26.7 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.210 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW005004.D

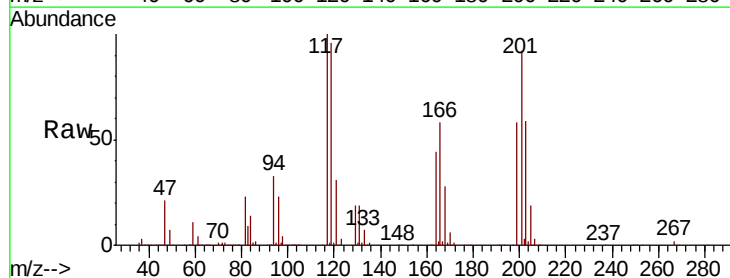
Acq: 29 Aug 2018 15:19

Tgt Ion: 117 Resp: 235971

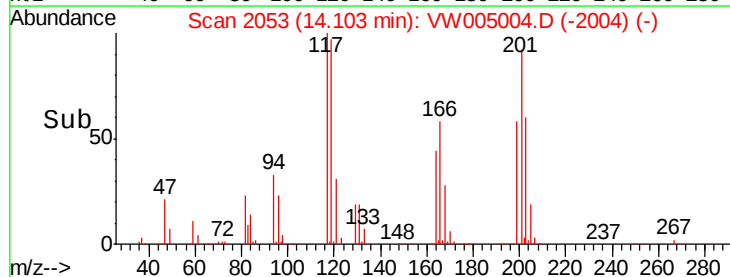
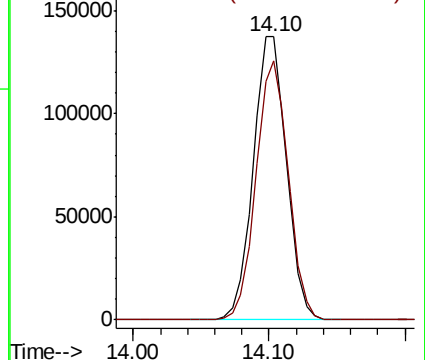
Ion Ratio Lower Upper

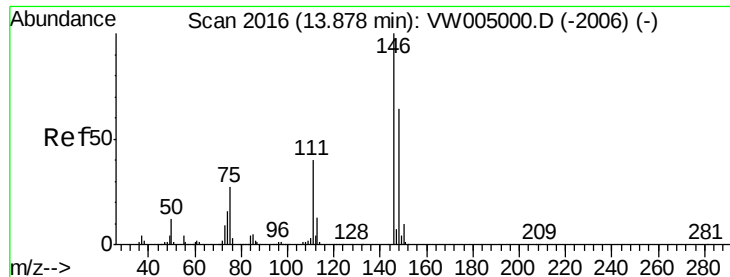
117 100

201 88.8 44.3 132.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.810 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

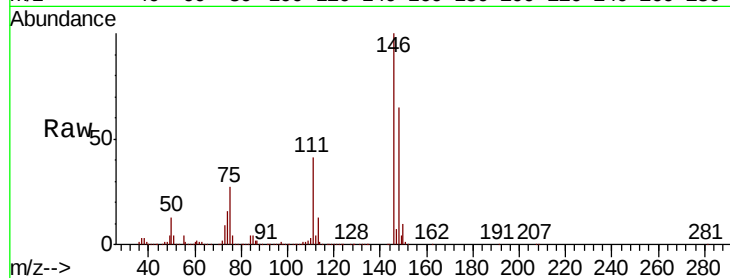
Tgt Ion:146 Resp: 685413

Ion Ratio Lower Upper

146 100

111 40.5 19.9 59.7

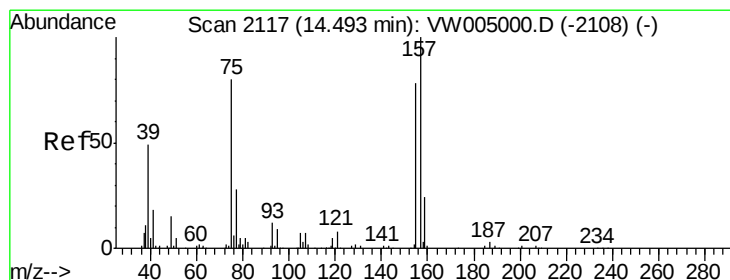
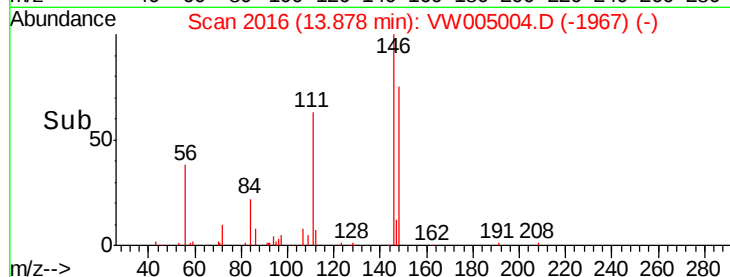
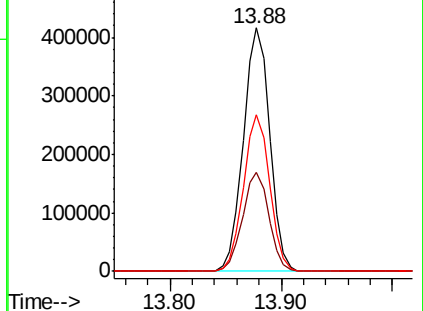
148 63.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.388 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

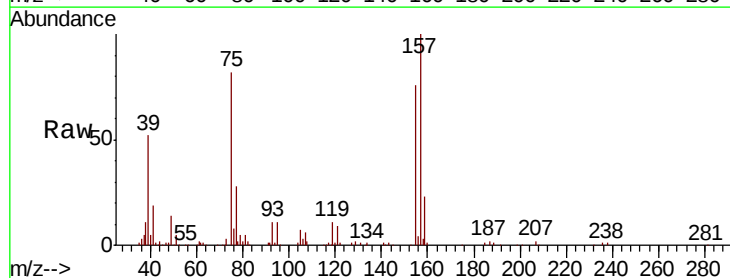
Tgt Ion: 75 Resp: 39591

Ion Ratio Lower Upper

75 100

155 90.4 46.1 138.2

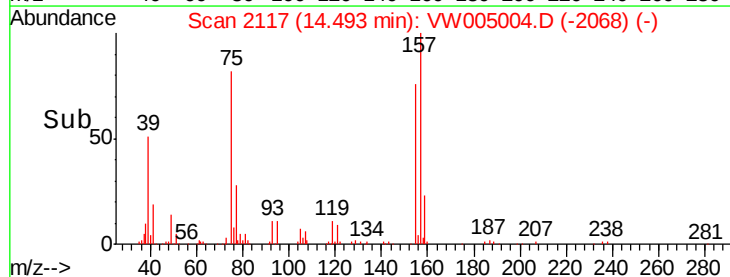
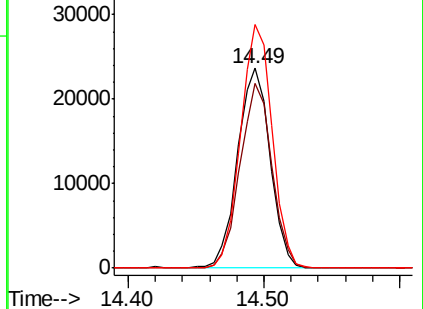
157 118.1 58.7 176.1

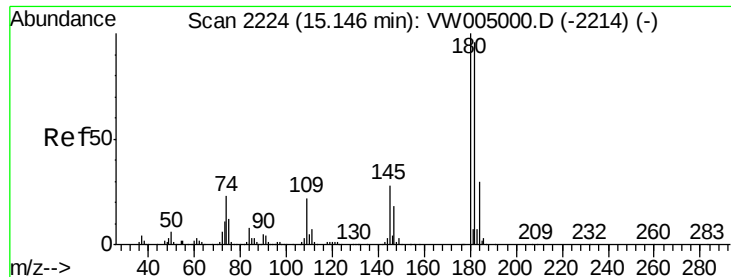


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 53.338 ug/l

RT: 15.14 min Scan# 2223

Delta R.T. -0.01 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

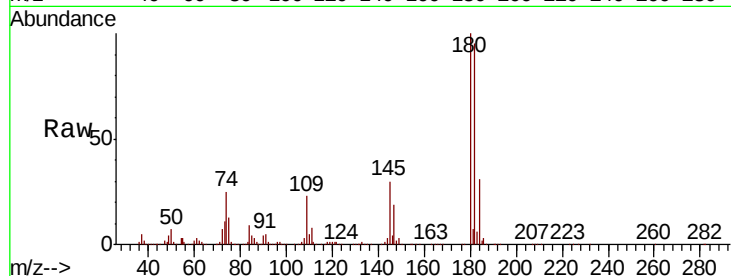
Tgt Ion:180 Resp: 504066

Ion Ratio Lower Upper

180 100

182 95.2 47.6 142.8

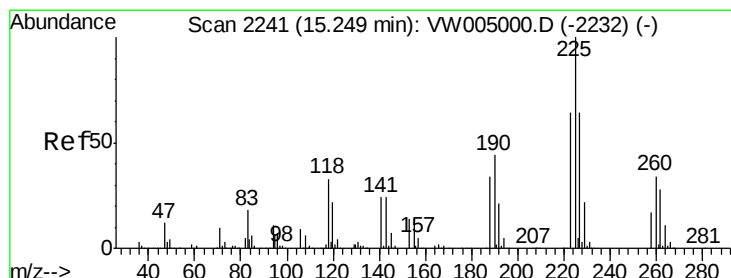
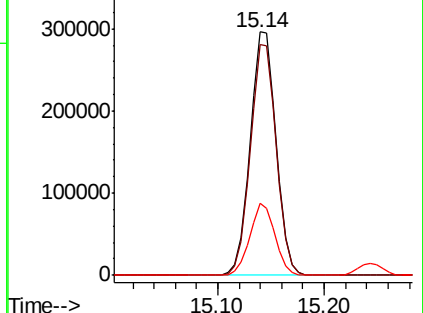
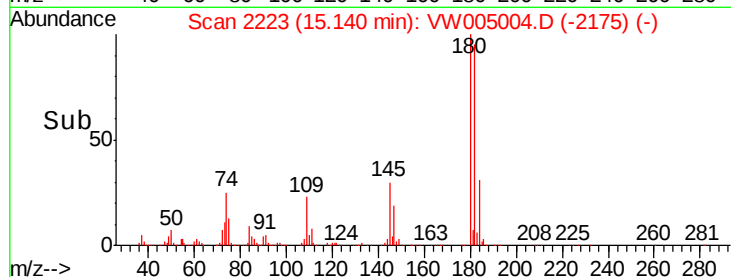
145 28.8 14.3 42.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 51.104 ug/l

RT: 15.24 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

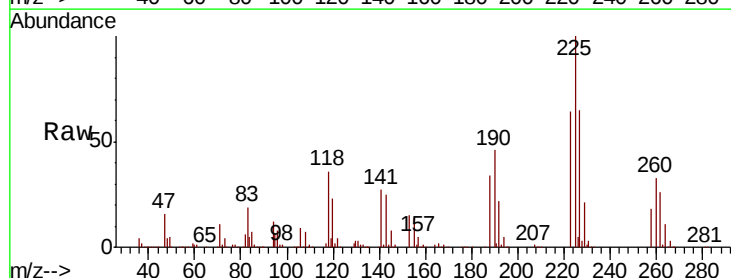
Tgt Ion:225 Resp: 302311

Ion Ratio Lower Upper

225 100

223 63.8 32.0 96.0

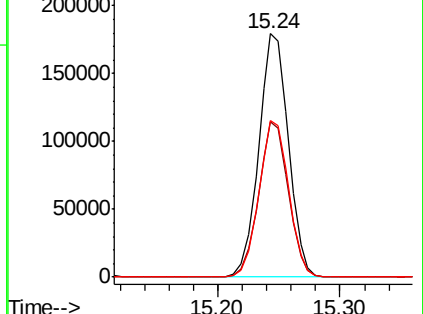
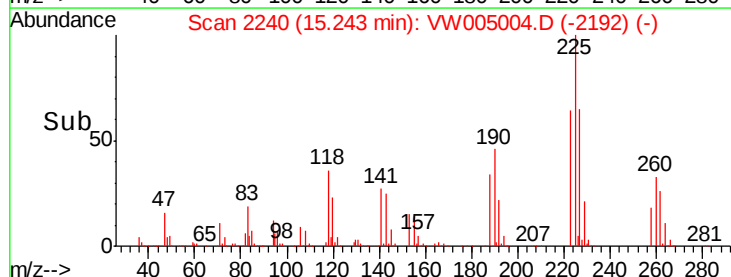
227 64.6 31.9 95.7

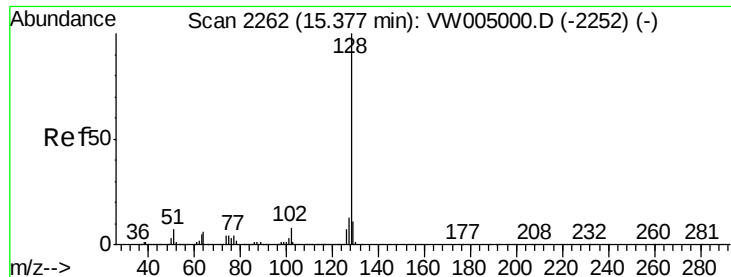


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.442 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

Instrument :

MSVOA_W

ClientSampleId :

ICVW082918

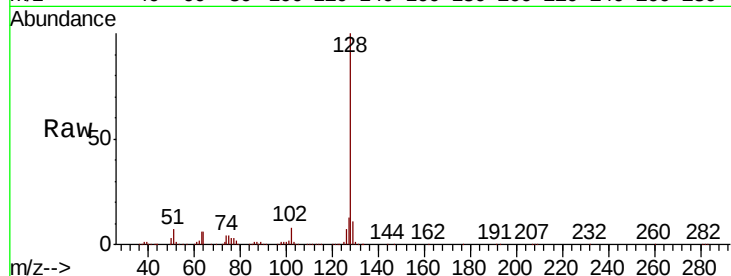
Tgt Ion:128 Resp: 871943

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

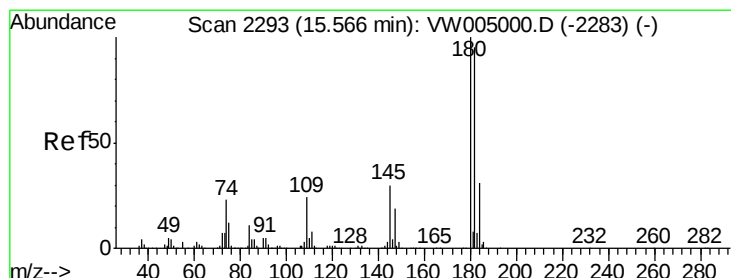
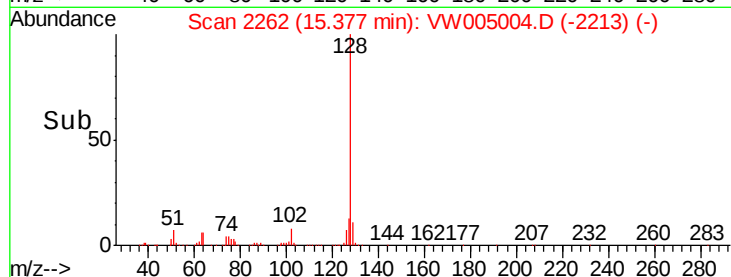
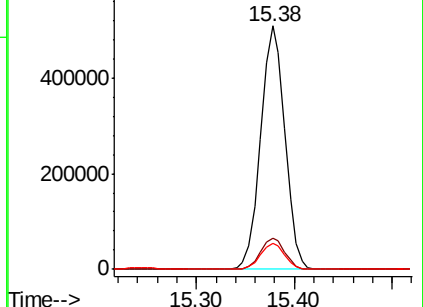
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.258 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW005004.D

Acq: 29 Aug 2018 15:19

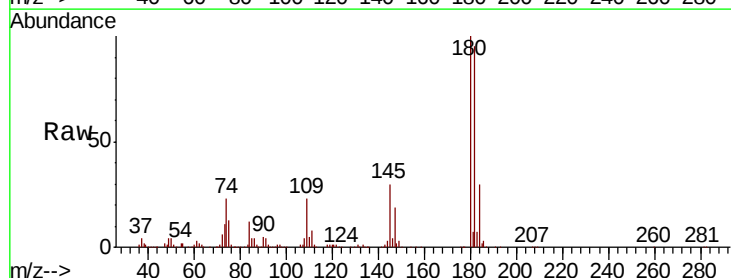
Tgt Ion:180 Resp: 444636

Ion Ratio Lower Upper

180 100

182 94.8 47.6 142.8

145 30.5 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

