

Data File : VW011157.D
Acq On : 08 Jul 2019 11:34
Operator : SY/VA
Sample : VSTDIC020
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Quant Time: Jul 09 05:48:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 05:44:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	388578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170624	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	58200	19.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.24%	
35) Dibromofluoromethane	7.88	113	45545	19.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.32%	
50) Toluene-d8	10.32	98	183487	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
62) 4-Bromofluorobenzene	12.62	95	66440	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	37369	21.228	ug/l	99
3) Chloromethane	2.21	50	45379	20.006	ug/l	98
4) Vinyl Chloride	2.35	62	60909	20.516	ug/l	97
5) Bromomethane	2.77	94	28685	19.228	ug/l	99
6) Chloroethane	2.92	64	31239	19.535	ug/l	99
7) Trichlorofluoromethane	3.24	101	19541	18.528	ug/l	99
8) Diethyl Ether	3.68	74	28785	19.725	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49697	19.672	ug/l	99
10) Methyl Iodide	4.27	142	68195	19.627	ug/l	98
11) Tert butyl alcohol	5.17	59	22035	100.350	ug/l	99
12) 1,1-Dichloroethene	4.04	96	51288	19.560	ug/l	93
13) Acrolein	3.88	56	16395	93.766	ug/l	99
14) Allyl chloride	4.66	41	92928	19.435	ug/l	99
15) Acrylonitrile	5.36	53	73902	99.434	ug/l	99
16) Acetone	4.12	43	69387	97.233	ug/l	98
17) Carbon Disulfide	4.38	76	151941	19.114	ug/l	99
18) Methyl Acetate	4.67	43	46977	21.050	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	79996	20.107	ug/l	100
20) Methylene Chloride	4.92	84	55838	19.835	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	52625	19.315	ug/l	99
22) Diisopropyl ether	6.31	45	204864	19.920	ug/l	97
23) Vinyl Acetate	6.25	43	623568	97.975	ug/l	100
24) 1,1-Dichloroethane	6.21	63	105887	19.608	ug/l	99
25) 2-Butanone	7.17	43	109879	98.090	ug/l	97
26) 2,2-Dichloropropane	7.16	77	54588	19.446	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	57795	19.664	ug/l	99
28) Bromochloromethane	7.51	49	50178	20.435	ug/l #	100
29) Tetrahydrofuran	7.52	42	73376	99.897	ug/l	99
30) Chloroform	7.67	83	98241	19.643	ug/l	99
31) Cyclohexane	7.95	56	111101	19.338	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	74489	19.580	ug/l	100
36) 1,1-Dichloropropene	8.08	75	81666	19.736	ug/l	99
37) Ethyl Acetate	7.25	43	50467	20.299	ug/l	99
38) Carbon Tetrachloride	8.06	117	66764	19.033	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97507	19.441	ug/l	98
40) Benzene	8.32	78	224936	19.669	ug/l	99
41) Methacrylonitrile	7.48	41	28927	20.343	ug/l	94
42) 1,2-Dichloroethane	8.40	62	73720	19.872	ug/l	100
43) Isopropyl Acetate	8.42	43	92697	19.748	ug/l	99
44) Trichloroethene	9.09	130	53741	19.528	ug/l	97
45) 1,2-Dichloropropane	9.37	63	60480	19.530	ug/l	98
46) Dibromomethane	9.46	93	28872	19.847	ug/l	99
47) Bromodichloromethane	9.64	83	72350	19.438	ug/l	97
48) Methyl methacrylate	9.43	41	44852	19.861	ug/l	99
49) 1,4-Dioxane	9.44	88	9734	400.878	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	246625	100.582	ug/l	99
52) Toluene	10.38	92	136730	19.710	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	77196	19.484	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	90976	19.508	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40820	19.780	ug/l	95
56) Ethyl methacrylate	10.65	69	61687	19.633	ug/l	99
57) 1,3-Dichloropropane	10.93	76	77823	19.942	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	146338	100.464	ug/l	100
59) 2-Hexanone	10.97	43	170291	100.144	ug/l	99
60) Dibromochloromethane	11.13	129	43484	19.215	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38353	19.620	ug/l	100
64) Tetrachloroethene	10.86	164	45543	19.695	ug/l	97
65) Chlorobenzene	11.66	112	137307	19.707	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47956	19.548	ug/l	99
67) Ethyl Benzene	11.73	91	259295	19.440	ug/l	98
68) m/p-Xylenes	11.84	106	190910	39.556	ug/l	99
69) o-Xylene	12.16	106	90449	19.884	ug/l	99
70) Styrene	12.18	104	154554	19.687	ug/l	100
71) Bromoform	12.35	173	24941	19.122	ug/l #	97
73) Isopropylbenzene	12.46	105	243484	19.090	ug/l	99
74) N-amyl acetate	12.27	43	87247	19.641	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50808	19.433	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	67676	34.230	ug/l #	100
77) Bromobenzene	12.75	156	54933	19.191	ug/l	99
78) n-propylbenzene	12.80	91	303397	19.310	ug/l	100
79) 2-Chlorotoluene	12.90	91	174526	19.303	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	208965	19.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16631	19.077	ug/l	99
82) 4-Chlorotoluene	12.99	91	183287	19.463	ug/l	99
83) tert-Butylbenzene	13.21	119	174718	19.334	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	212859	19.563	ug/l	99
85) sec-Butylbenzene	13.38	105	250246	19.191	ug/l	99
86) p-Isopropyltoluene	13.50	119	228496	19.537	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	106995	19.428	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	108421	19.550	ug/l	99
89) n-Butylbenzene	13.82	91	226027	19.372	ug/l	100
90) Hexachloroethane	14.10	117	40419	18.912	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	97921	19.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8855	19.094	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070819\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	67288	19.553	ug/l	99
94) Hexachlorobutadiene	15.24	225	41320	19.558	ug/l	99
95) Naphthalene	15.37	128	127481	19.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	59739	19.670	ug/l	99

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

Data File : VW011157.D

Acq On : 08 Jul 2019 11:34

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Misc : 5.00G/5ML/MSVOA W/SOIL

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

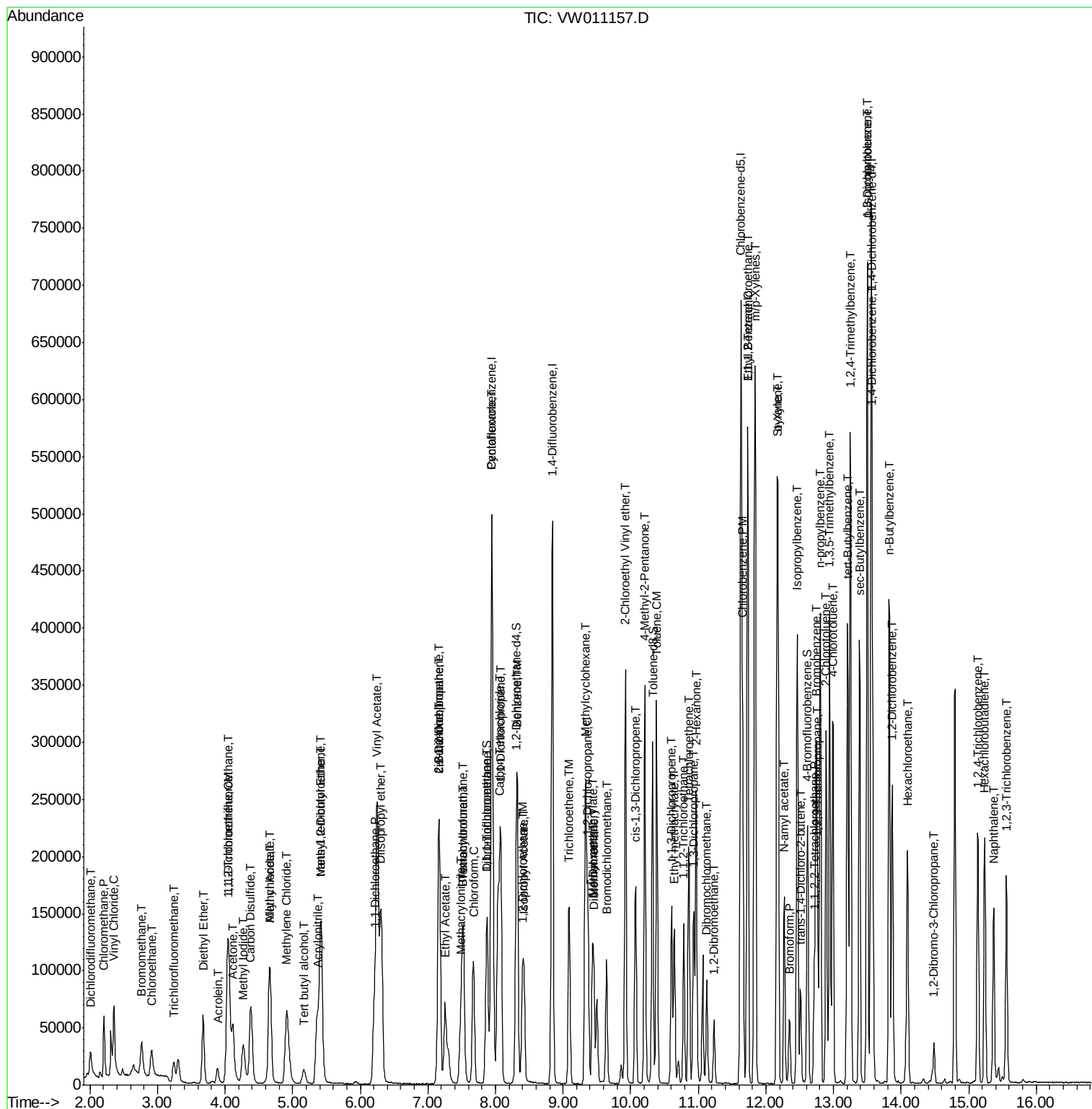
Quant Time: Jul 09 05:48:39 2019

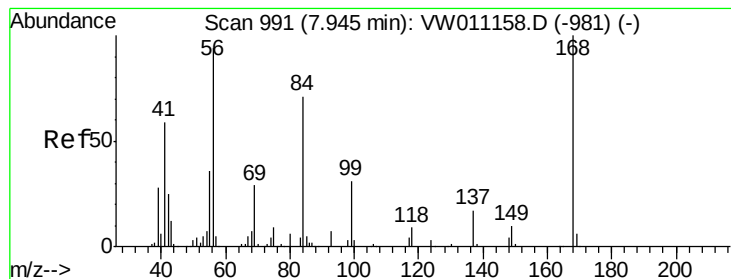
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W070819S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 09 05:44:32 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

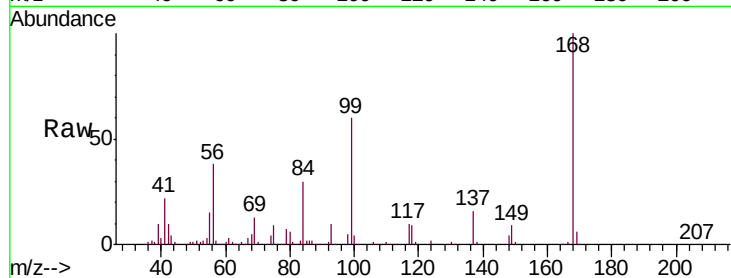
VSTDIC020

Tgt Ion: 168 Resp: 236033

Ion Ratio Lower Upper

168 100

99 59.6 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

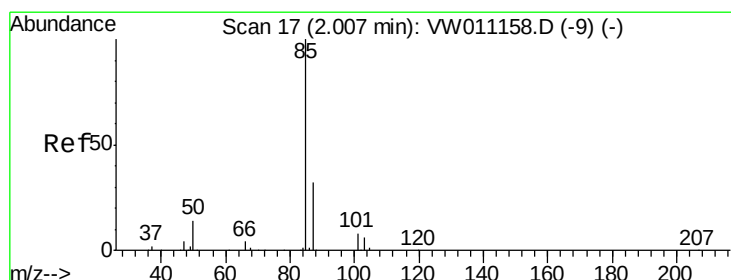
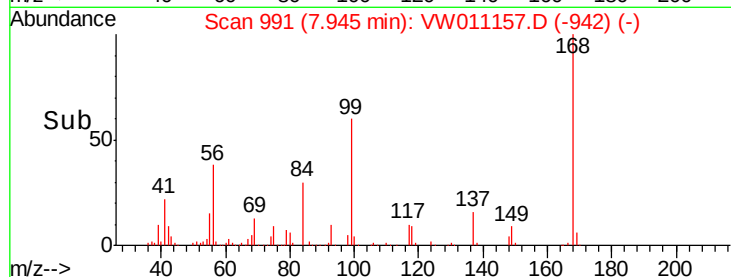
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.228 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011157.D

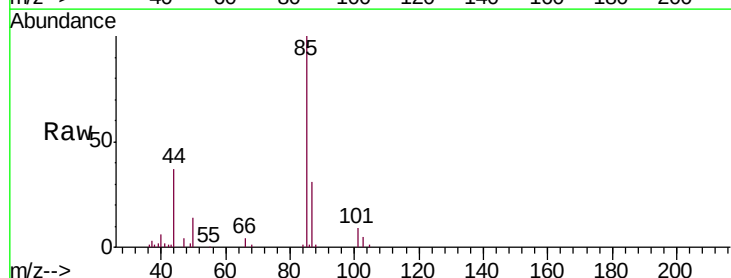
Acq: 08 Jul 2019 11:34

Tgt Ion: 85 Resp: 37369

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

15000

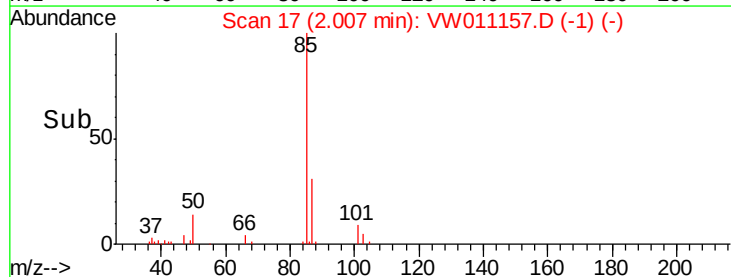
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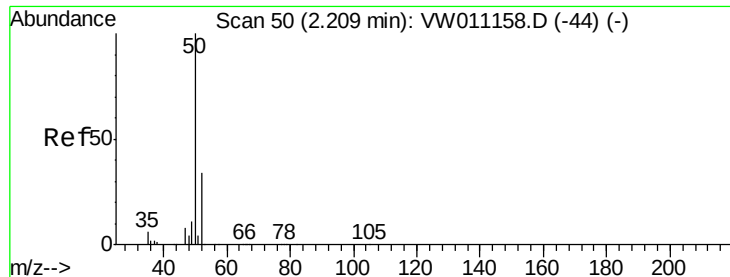
5000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 20.006 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

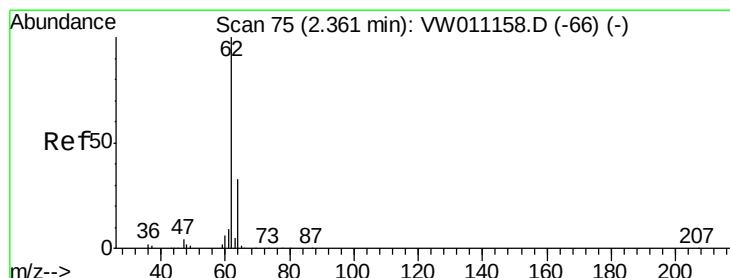
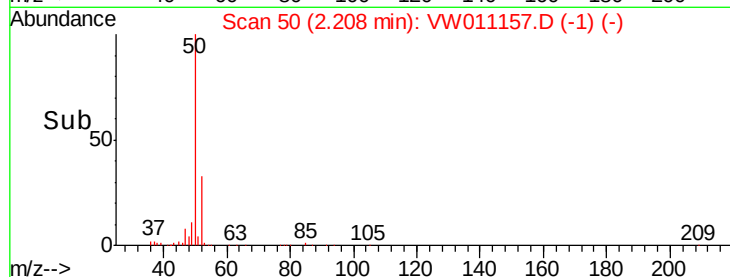
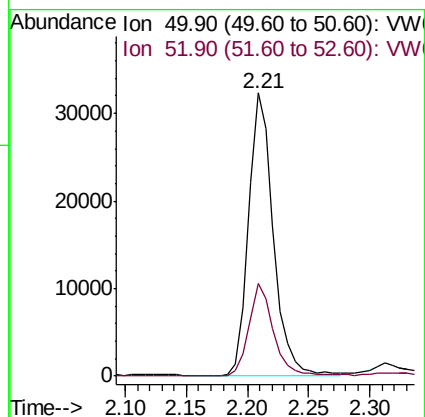
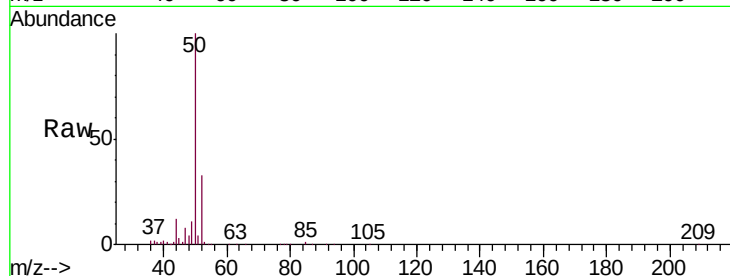
VSTDIC020

Tgt Ion: 50 Resp: 45379

Ion Ratio Lower Upper

50 100

52 32.6 26.9 40.3



#4

Vinyl Chloride

Concen: 20.516 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011157.D

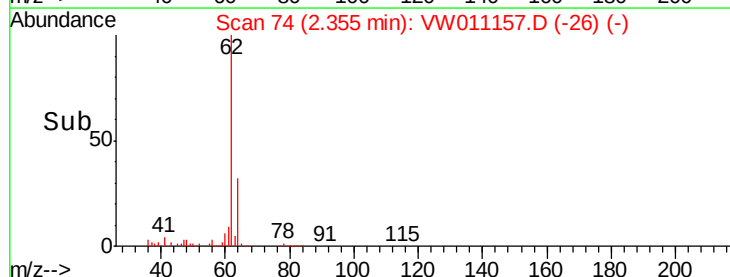
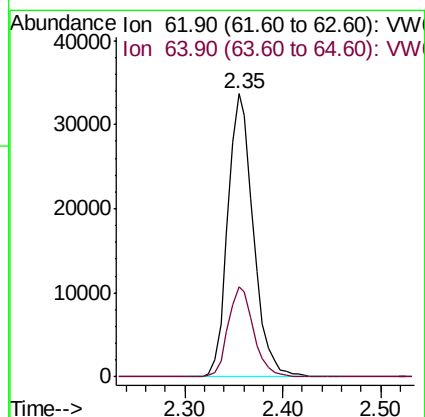
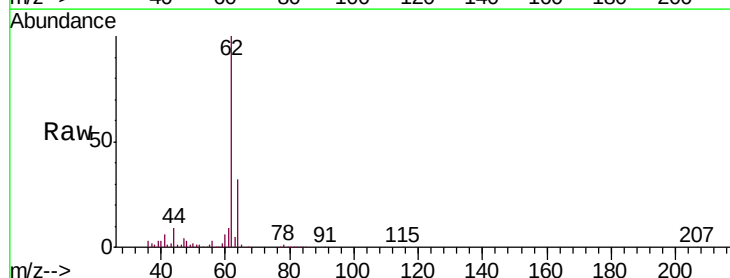
Acq: 08 Jul 2019 11:34

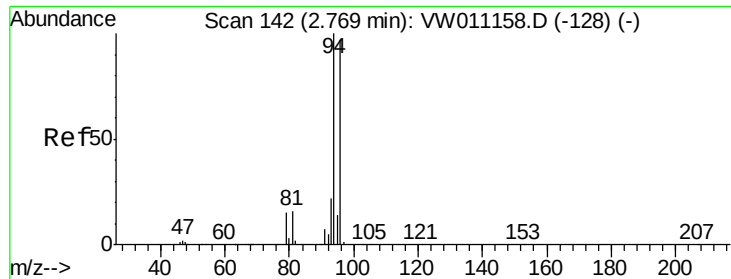
Tgt Ion: 62 Resp: 60909

Ion Ratio Lower Upper

62 100

64 31.7 26.6 40.0





#5

Bromomethane

Concen: 19.228 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

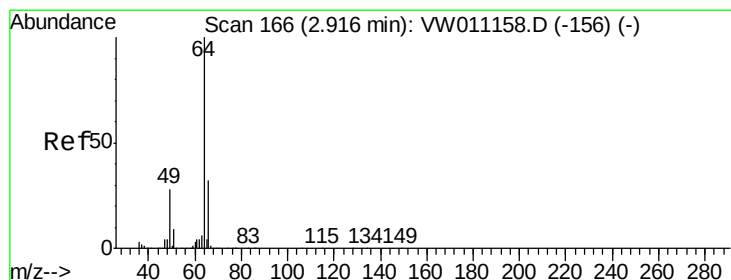
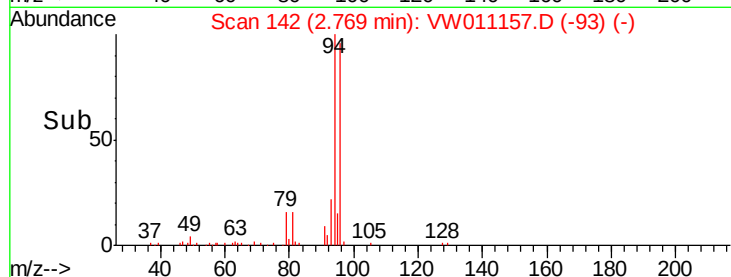
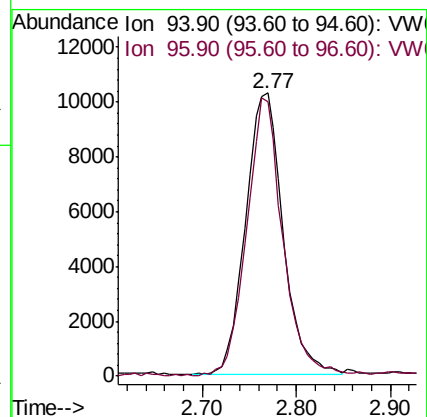
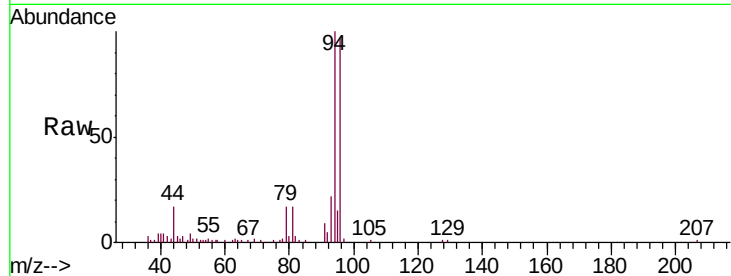
VSTDIC020

Tgt Ion: 94 Resp: 28685

Ion Ratio Lower Upper

94 100

96 97.3 77.4 116.0



#6

Chloroethane

Concen: 19.535 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011157.D

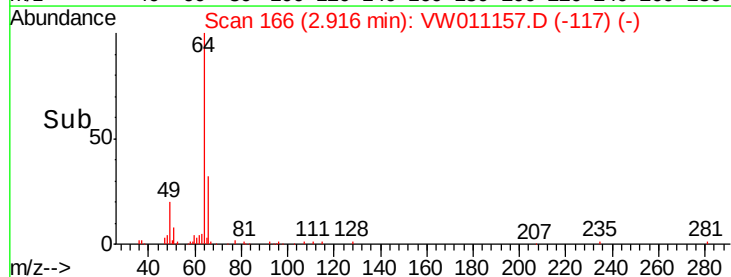
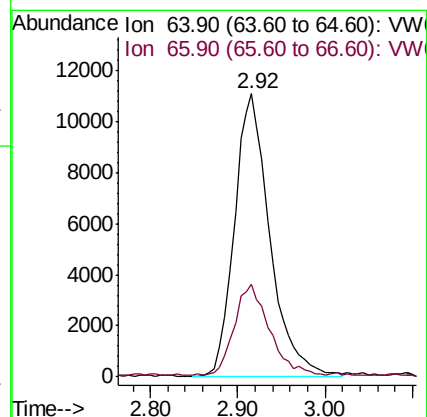
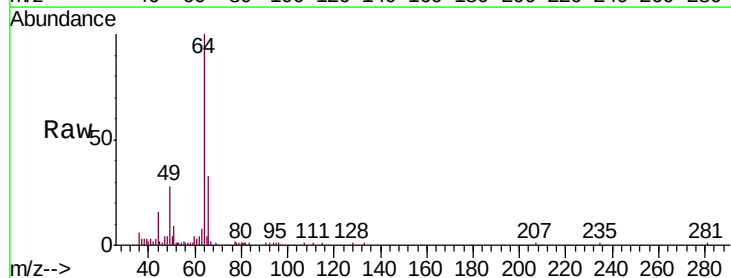
Acq: 08 Jul 2019 11:34

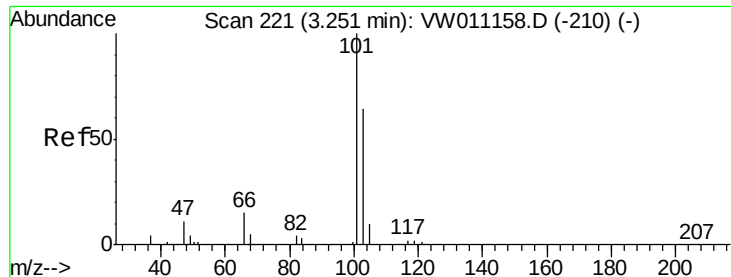
Tgt Ion: 64 Resp: 31239

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.8



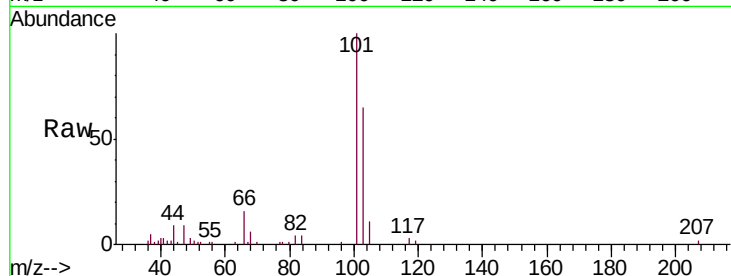


#7

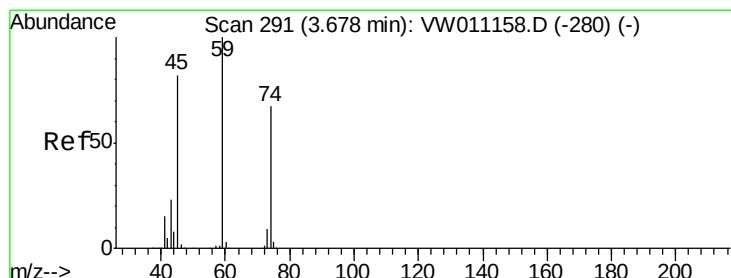
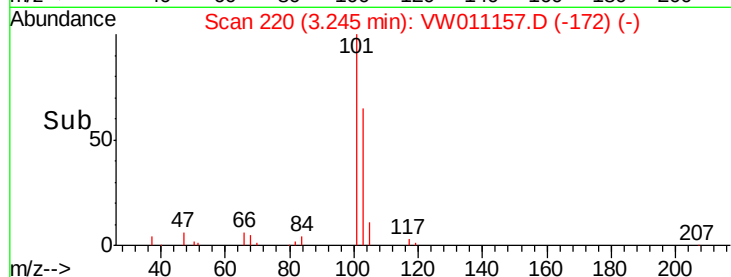
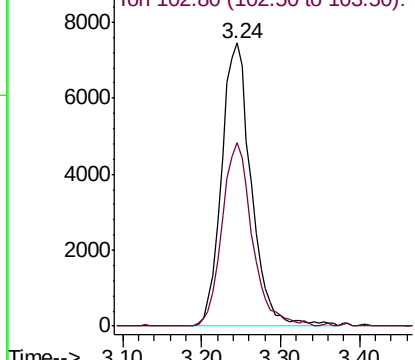
Trichlorofluoromethane
Concen: 18.528 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011157.D
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Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 19541
Ion Ratio Lower Upper
101 100
103 65.0 51.3 76.9



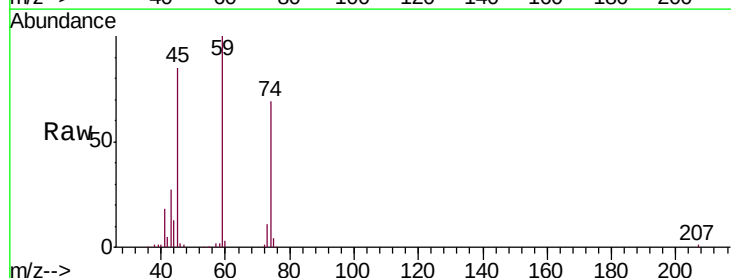
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



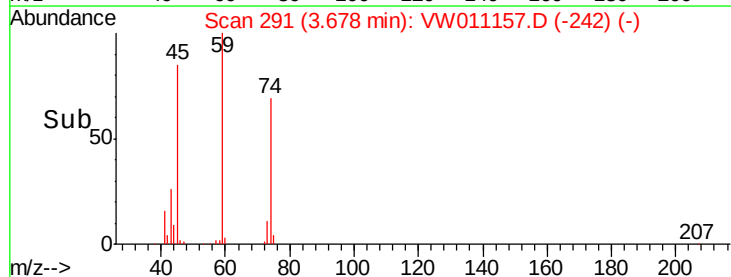
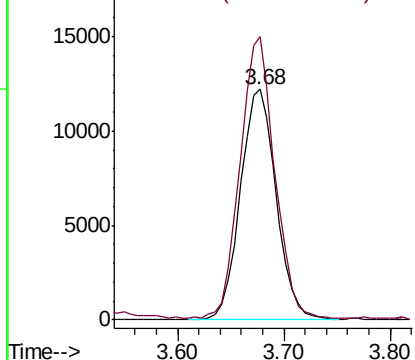
#8

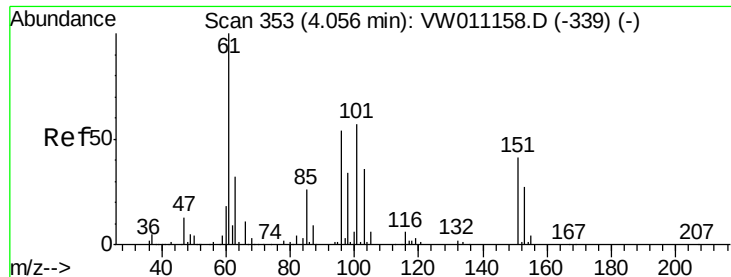
Diethyl Ether
Concen: 19.725 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion: 74 Resp: 28785
Ion Ratio Lower Upper
74 100
45 118.6 59.9 179.7



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.672 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

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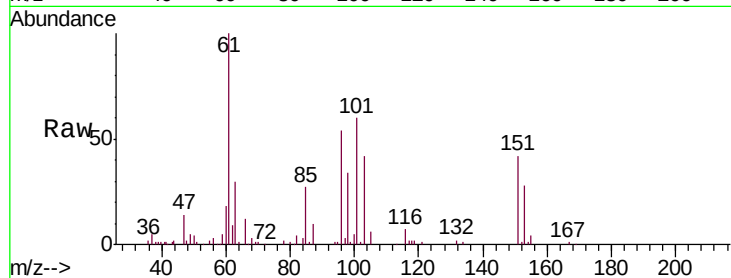
Tgt Ion:101 Resp: 49697

Ion Ratio Lower Upper

101 100

85 44.4 36.5 54.7

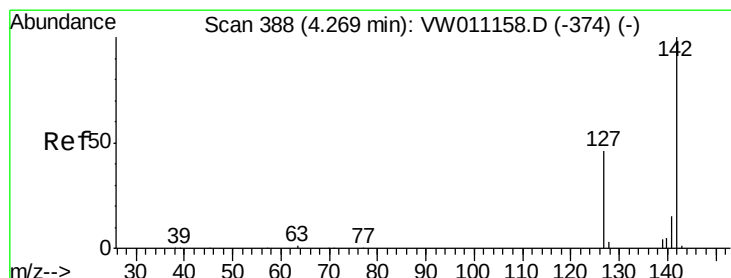
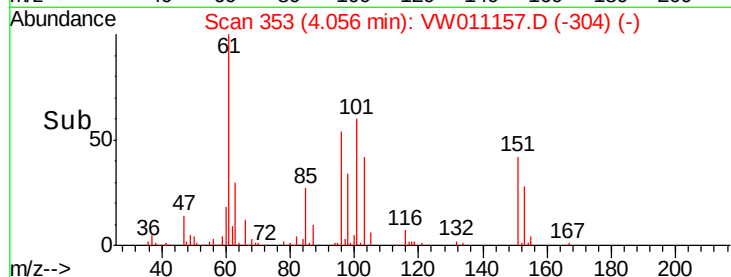
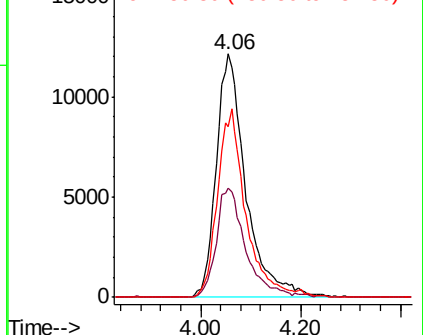
151 73.0 59.1 88.7



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: 19.627 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

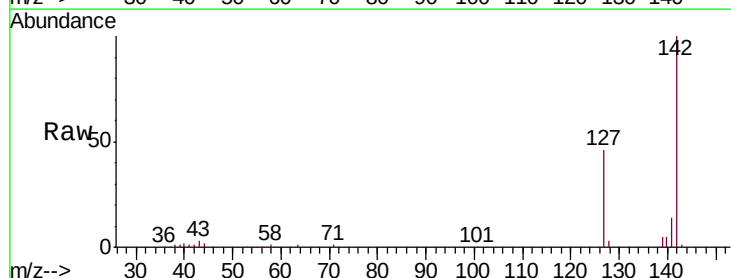
Tgt Ion:142 Resp: 68195

Ion Ratio Lower Upper

142 100

127 46.1 35.7 53.5

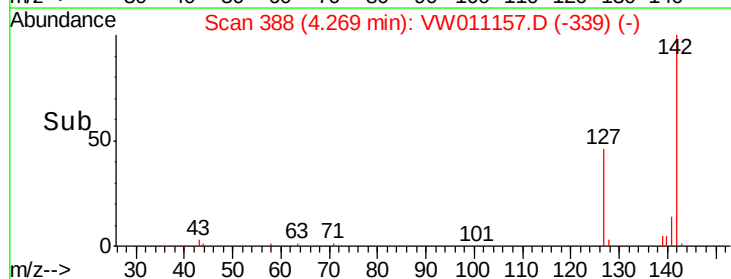
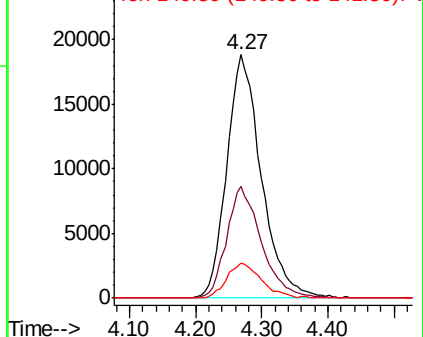
141 14.5 11.5 17.3

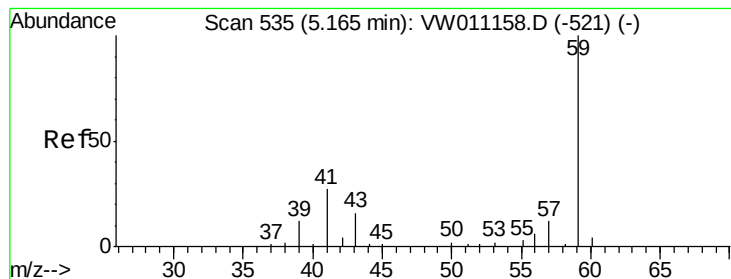


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



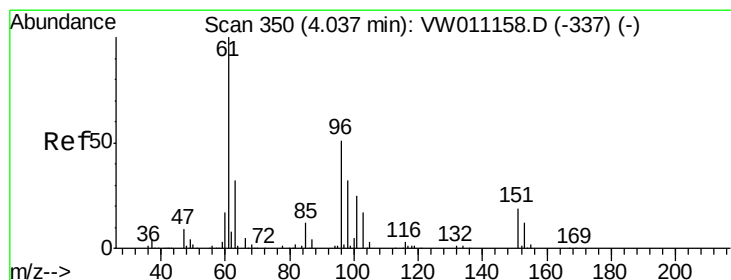
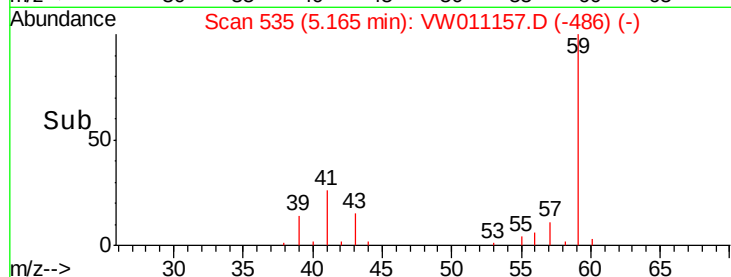
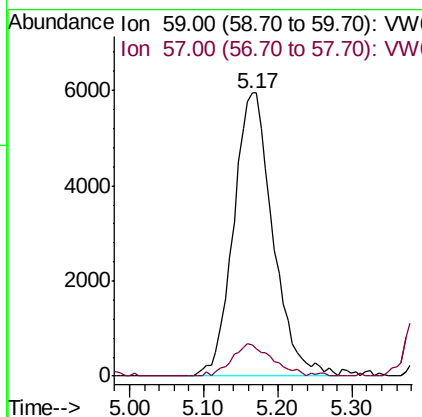
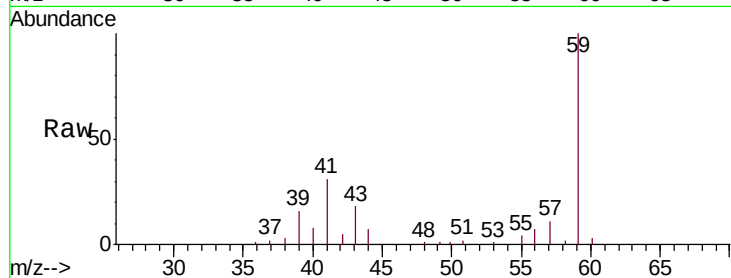


#11

Tert butyl alcohol
 Concen: 100.350 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

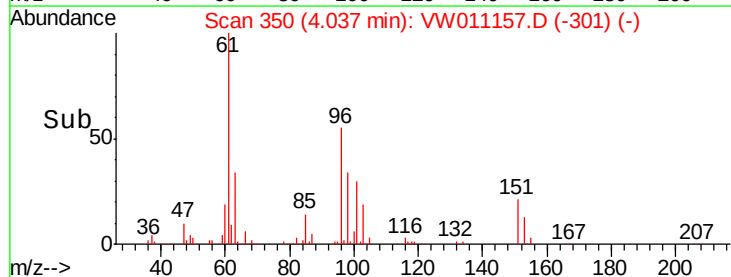
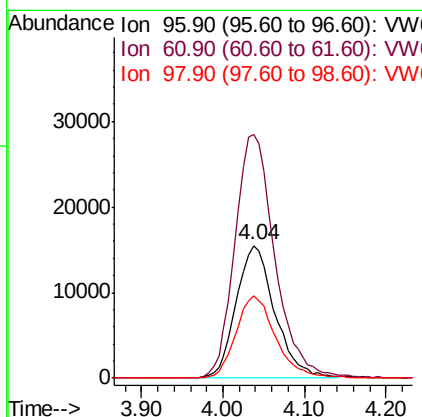
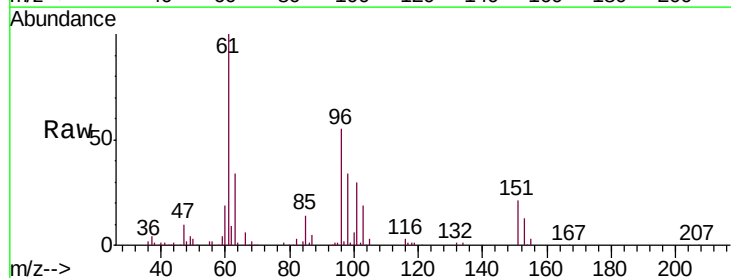
Tgt Ion: 59 Resp: 22035
 Ion Ratio Lower Upper
 59 100
 57 11.5 9.0 13.6

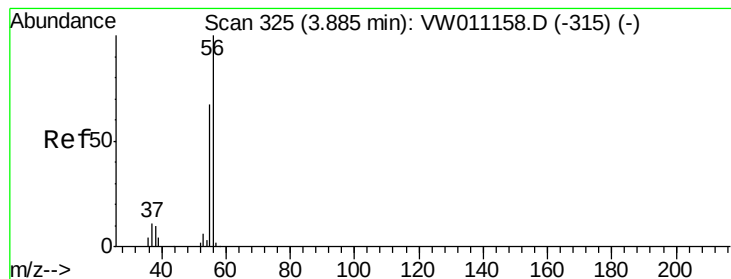


#12

1,1-Dichloroethene
 Concen: 19.560 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion: 96 Resp: 51288
 Ion Ratio Lower Upper
 96 100
 61 183.4 157.7 236.5
 98 62.2 50.9 76.3





#13

Acrolein

Concen: 93.766 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

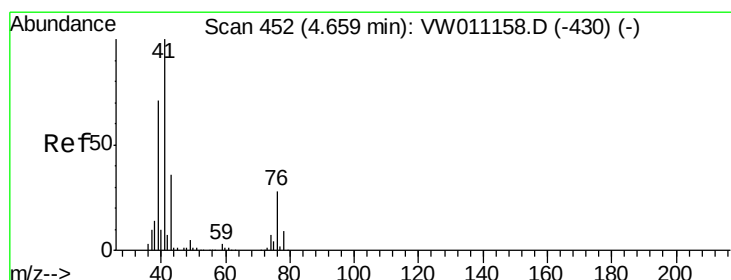
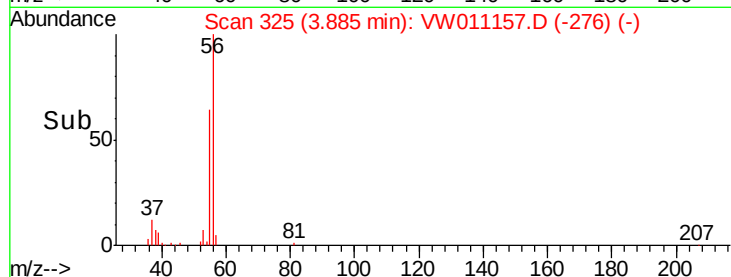
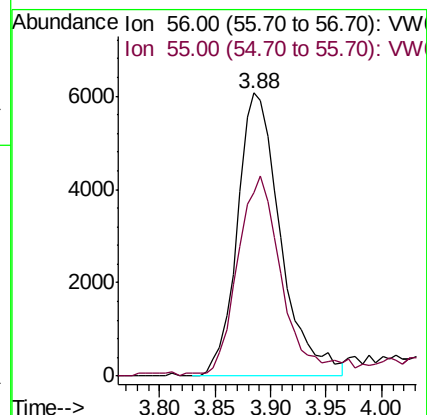
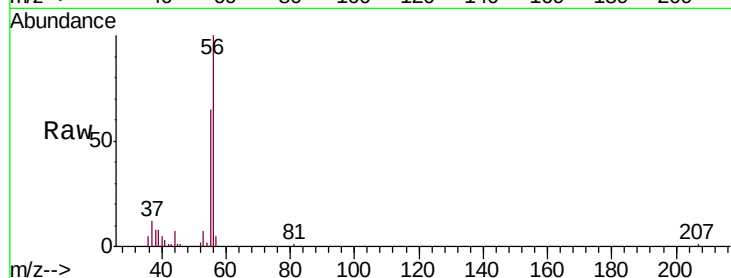
VSTDIC020

Tgt Ion: 56 Resp: 16395

Ion Ratio Lower Upper

56 100

55 71.2 56.4 84.6



#14

Allyl chloride

Concen: 19.435 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

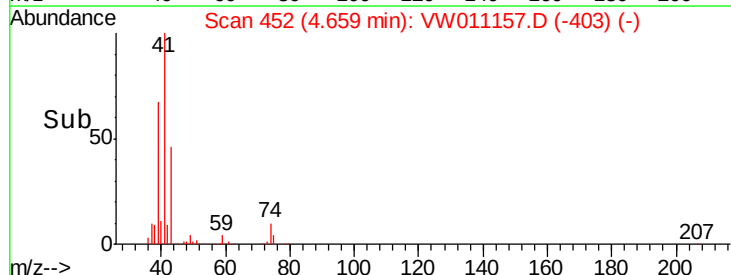
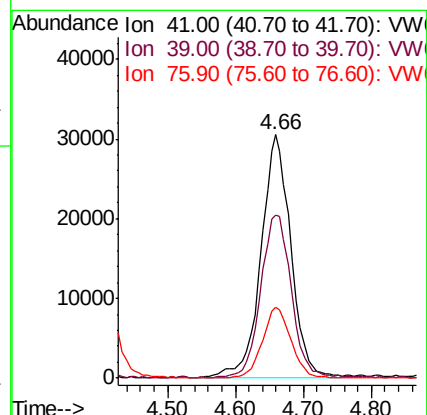
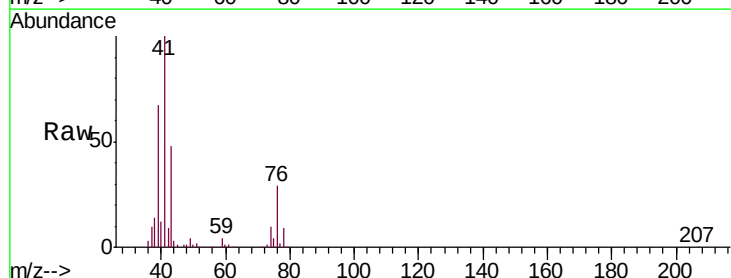
Tgt Ion: 41 Resp: 92928

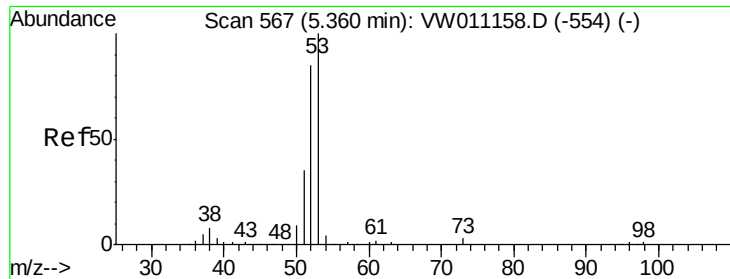
Ion Ratio Lower Upper

41 100

39 69.8 55.1 82.7

76 28.1 22.5 33.7





#15

Acrylonitrile

Concen: 99.434 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

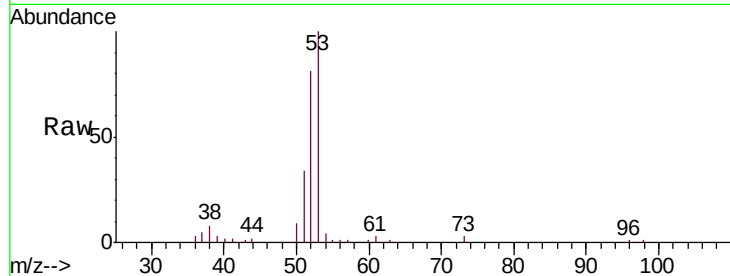
Tgt Ion: 53 Resp: 73902

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.4

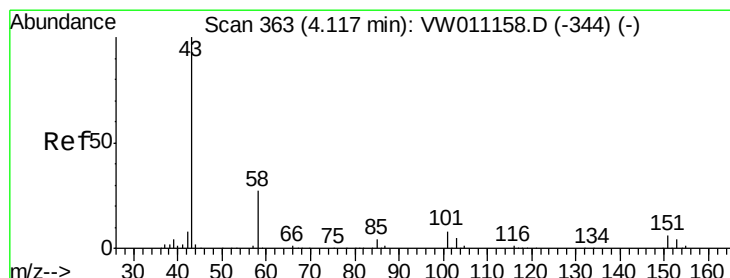
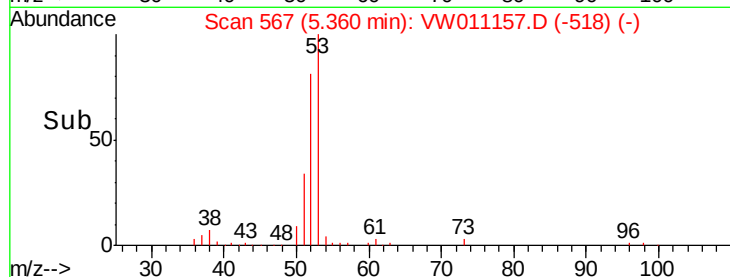
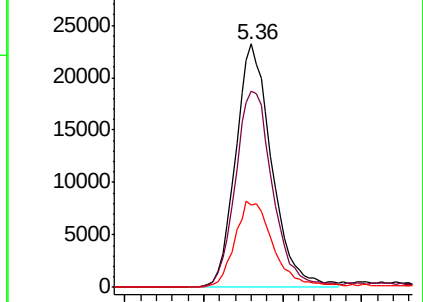
51 37.5 29.1 43.7



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: 97.233 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011157.D

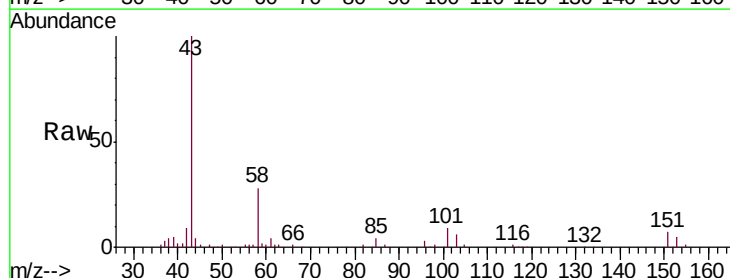
Acq: 08 Jul 2019 11:34

Tgt Ion: 43 Resp: 69387

Ion Ratio Lower Upper

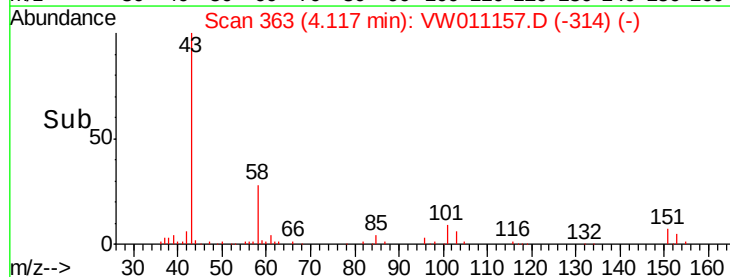
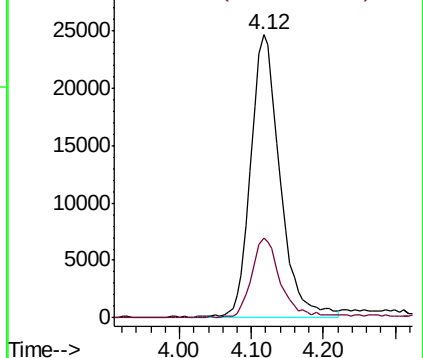
43 100

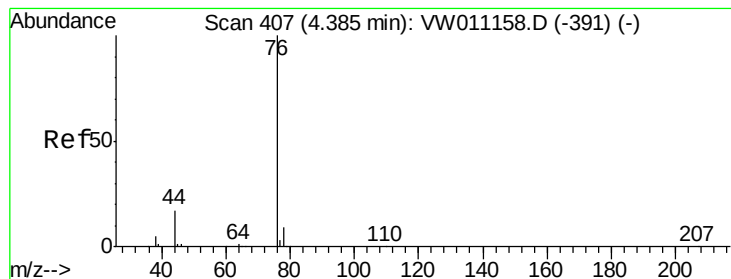
58 28.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 19.114 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

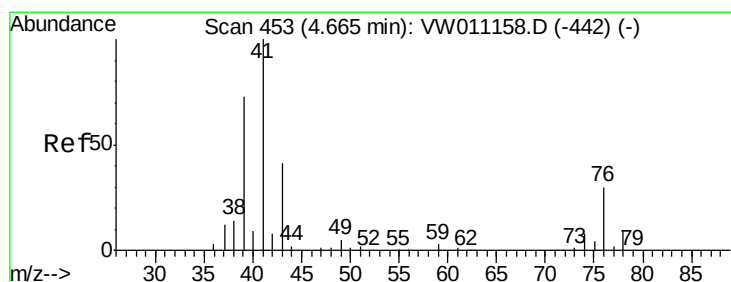
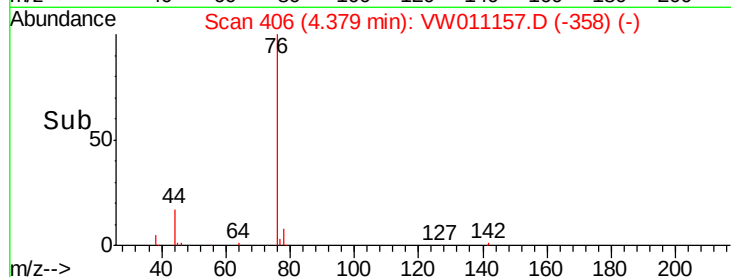
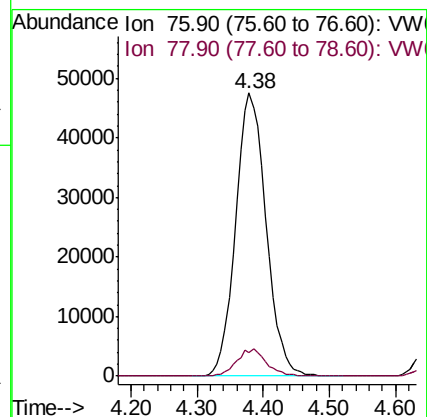
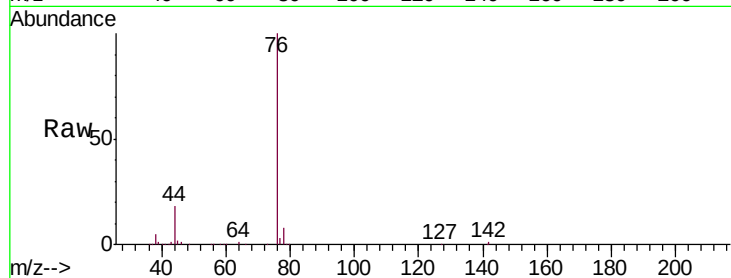
VSTDIC020

Tgt Ion: 76 Resp: 151941

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7



#18

Methyl Acetate

Concen: 21.050 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011157.D

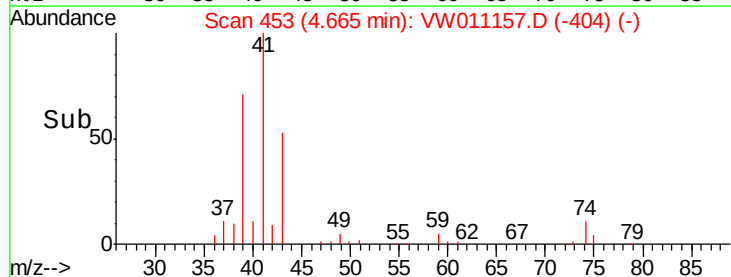
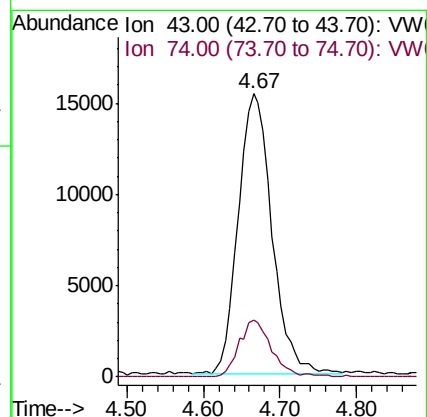
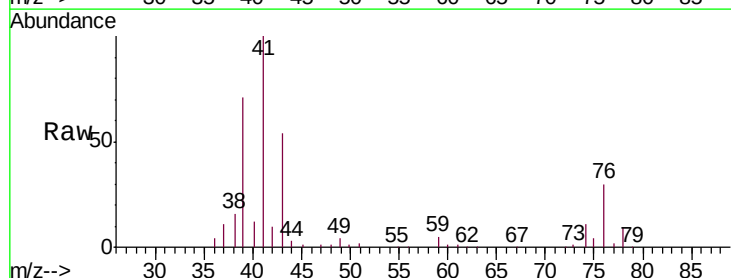
Acq: 08 Jul 2019 11:34

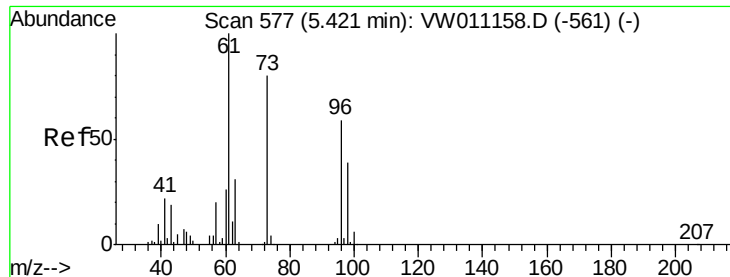
Tgt Ion: 43 Resp: 46977

Ion Ratio Lower Upper

43 100

74 19.6 15.7 23.5

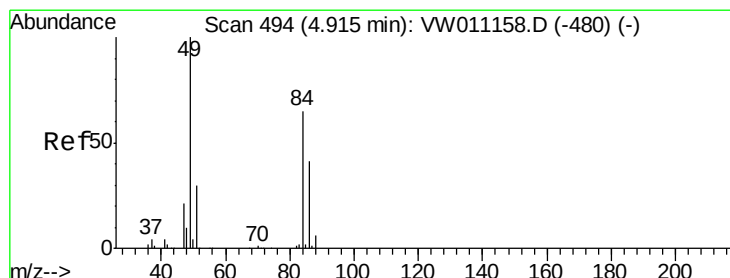
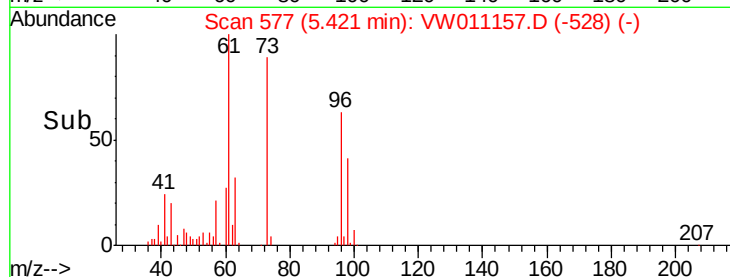
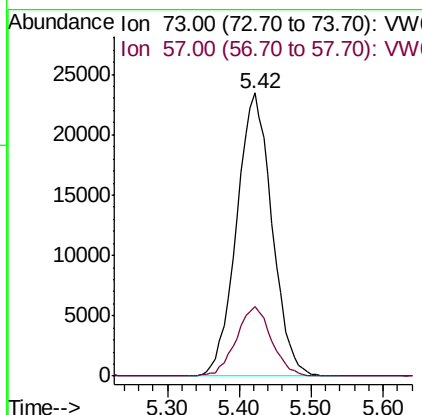
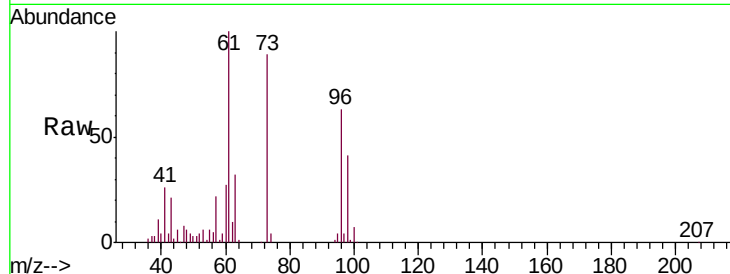




#19
Methyl tert-butyl Ether
Concen: 20.107 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

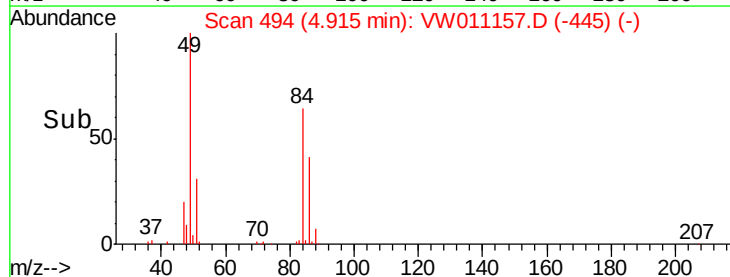
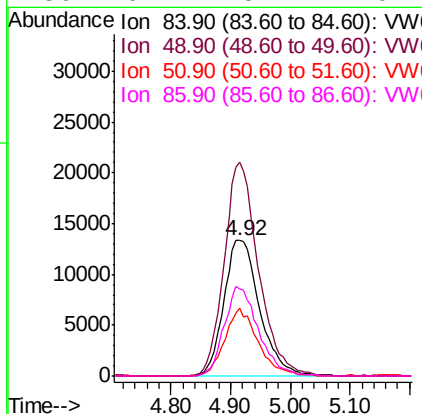
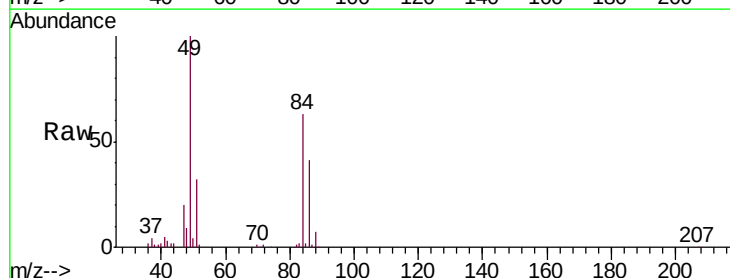
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

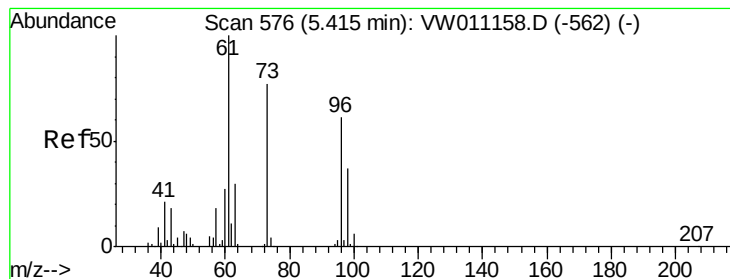
Tgt Ion: 73 Resp: 79996
Ion Ratio Lower Upper
73 100
57 24.6 19.7 29.5



#20
Methylene Chloride
Concen: 19.835 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion: 84 Resp: 55838
Ion Ratio Lower Upper
84 100
49 157.5 123.8 185.6
51 49.8 37.4 56.2
86 64.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.315 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

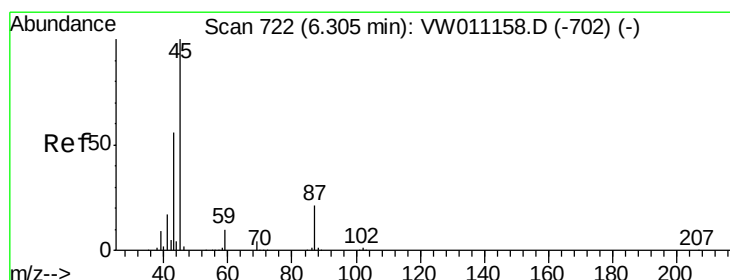
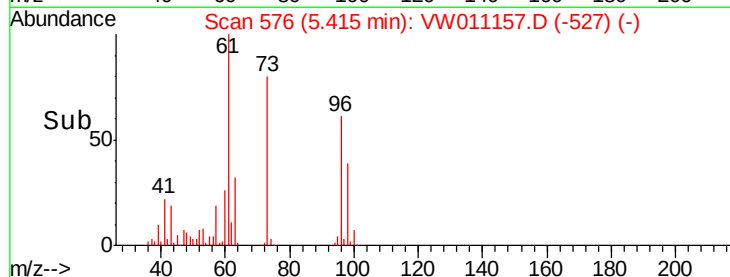
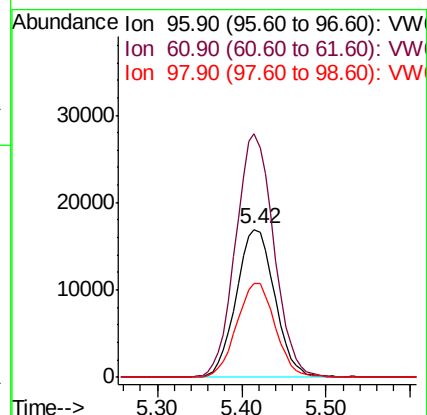
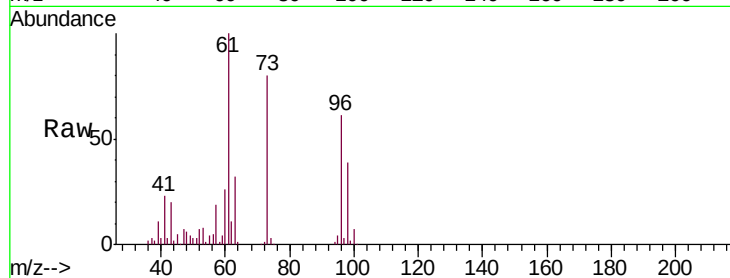
Tgt Ion: 96 Resp: 52625

Ion Ratio Lower Upper

96 100

61 164.4 132.2 198.2

98 63.5 49.4 74.0



#22

Diisopropyl ether

Concen: 19.920 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Tgt Ion: 45 Resp: 204864

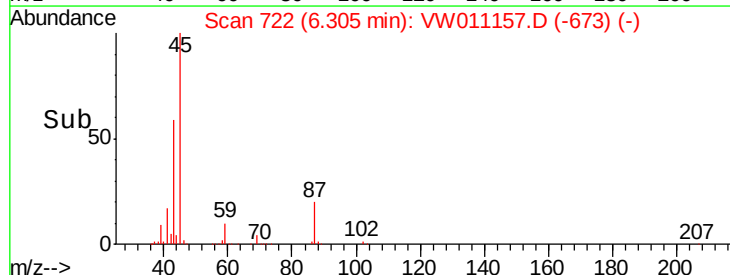
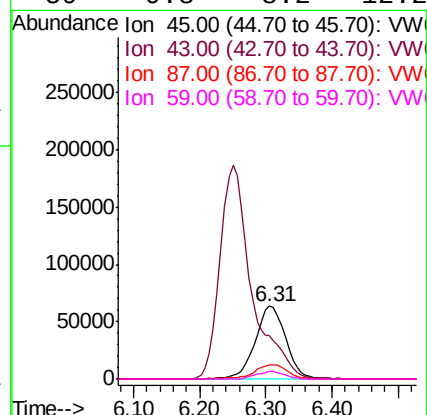
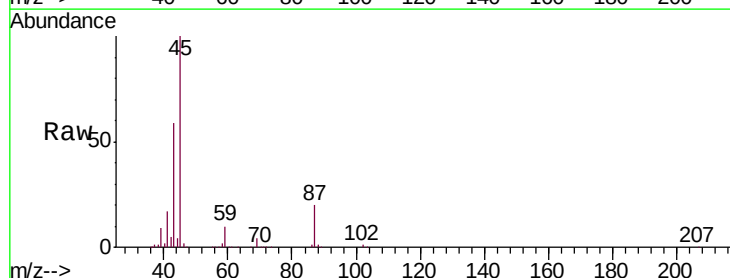
Ion Ratio Lower Upper

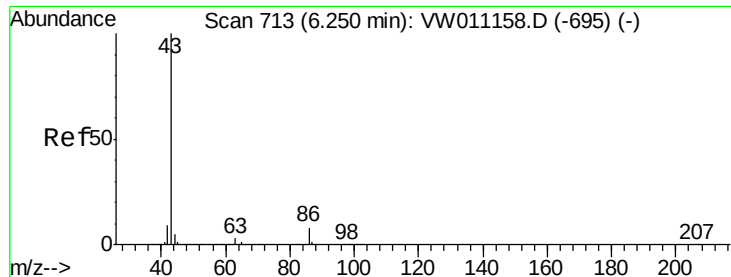
45 100

43 58.6 44.6 66.8

87 20.4 17.3 25.9

59 9.8 8.2 12.2





#23

Vinyl Acetate

Concen: 97.975 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

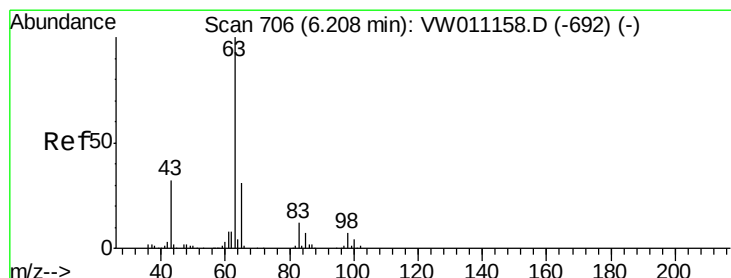
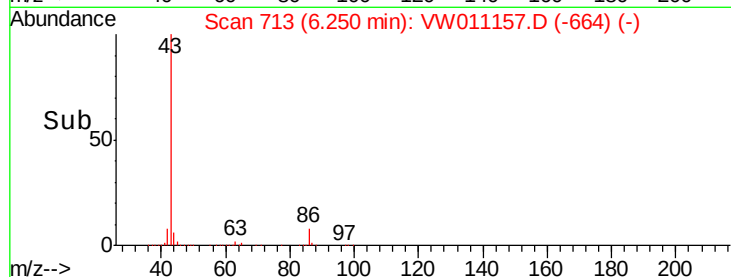
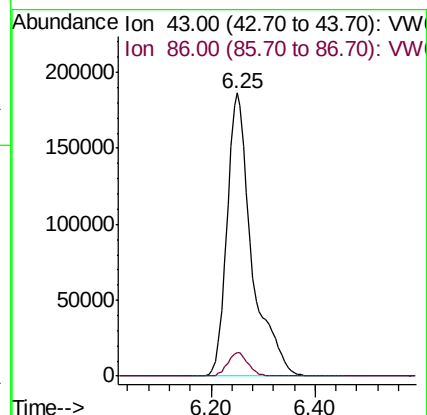
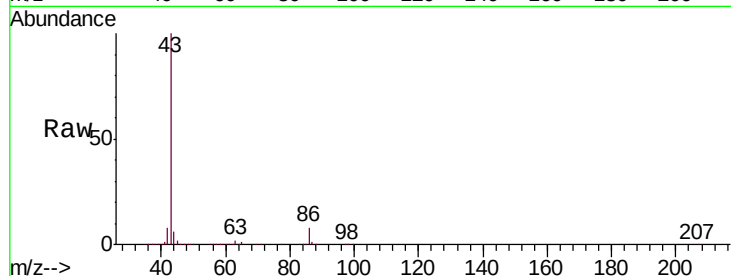
VSTDIC020

Tgt Ion: 43 Resp: 623568

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



#24

1,1-Dichloroethane

Concen: 19.608 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

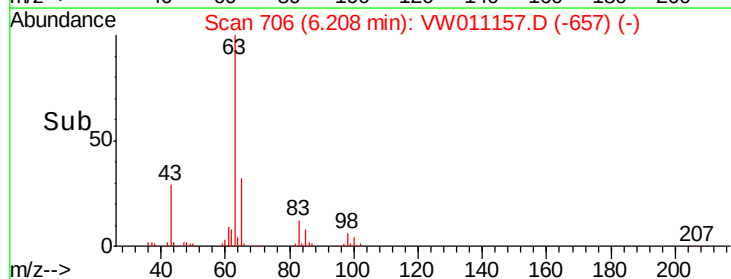
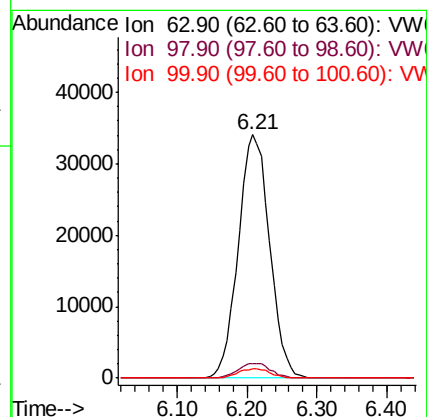
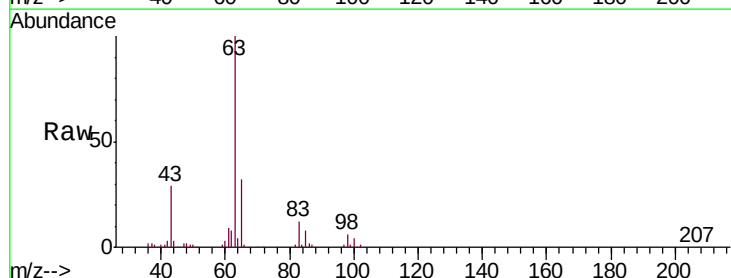
Tgt Ion: 63 Resp: 105887

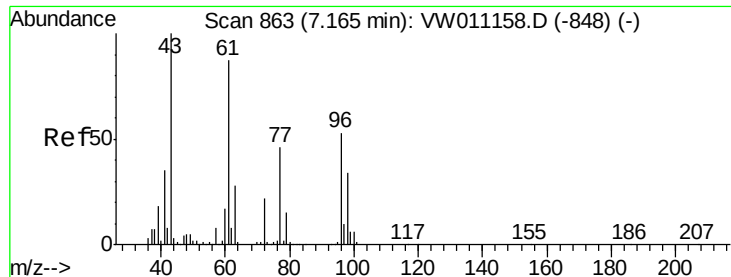
Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.9

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 98.090 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

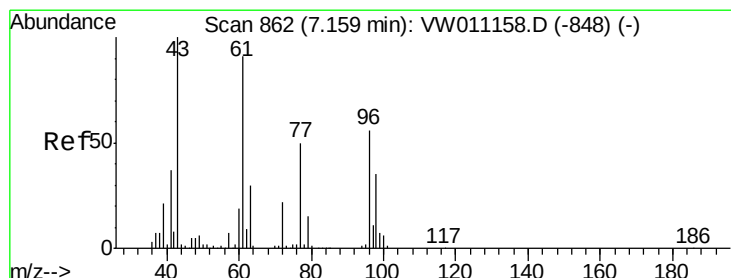
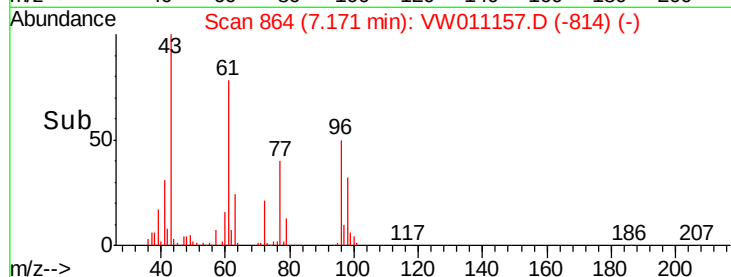
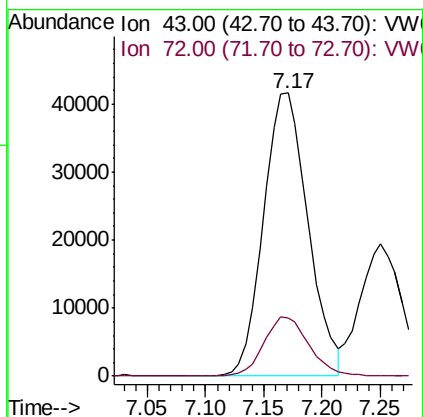
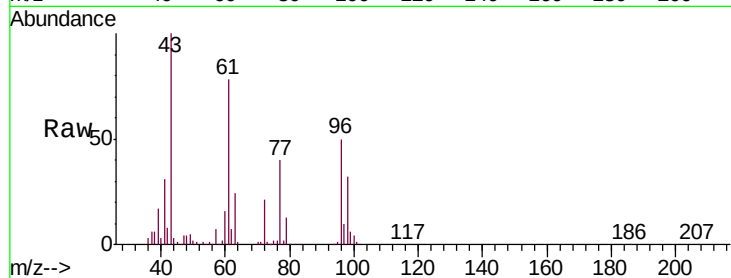
VSTDIC020

Tgt Ion: 43 Resp: 109879

Ion Ratio Lower Upper

43 100

72 20.6 17.6 26.4



#26

2,2-Dichloropropane

Concen: 19.446 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011157.D

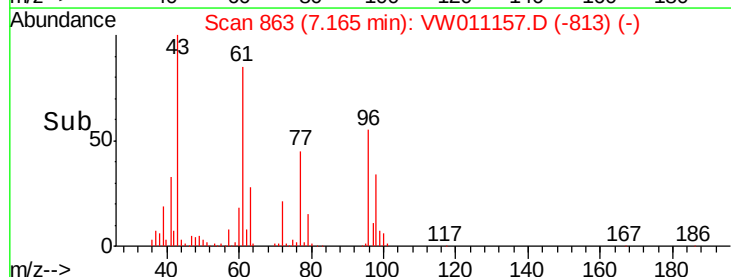
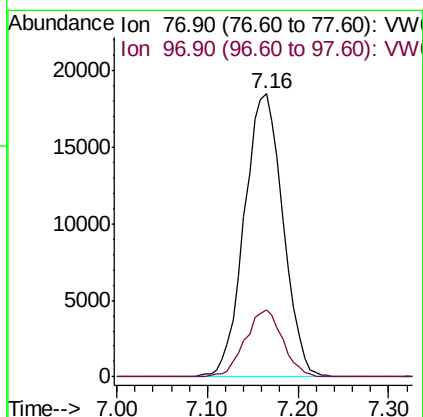
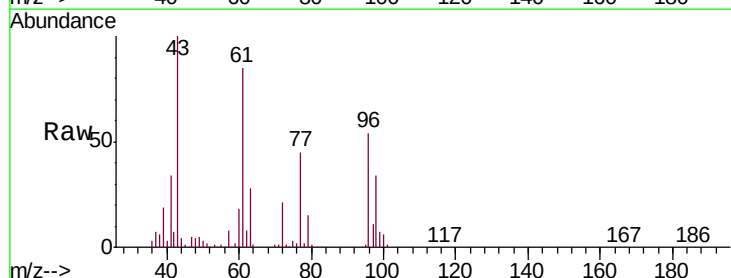
Acq: 08 Jul 2019 11:34

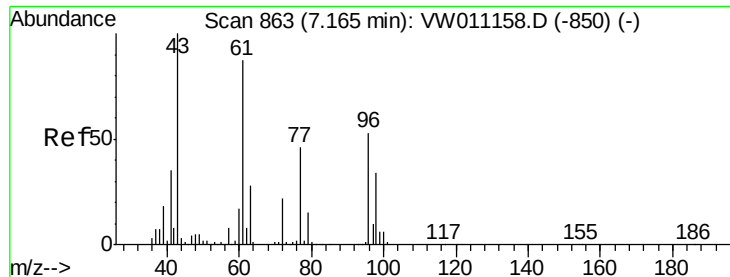
Tgt Ion: 77 Resp: 54588

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.5



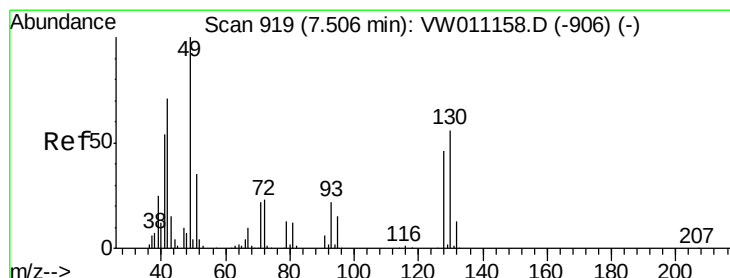
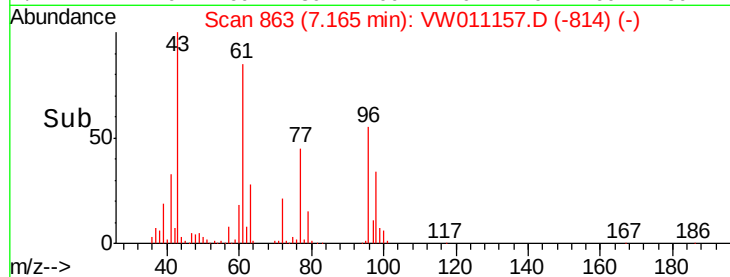
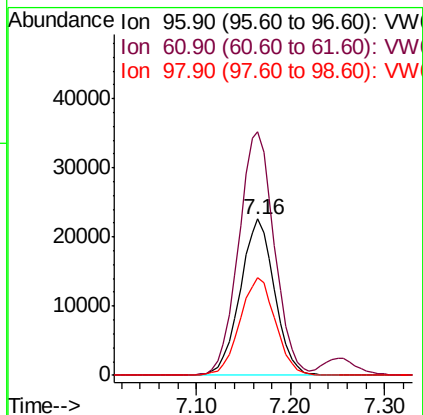
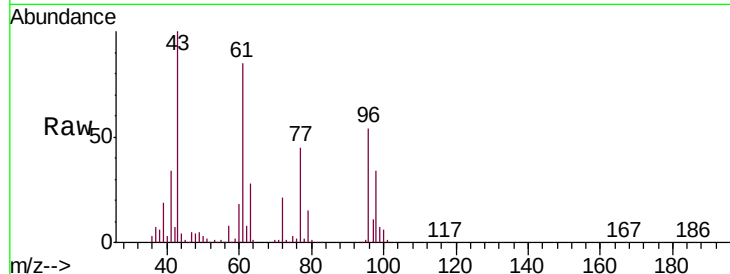


#27

cis-1,2-Dichloroethene
Concen: 19.664 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

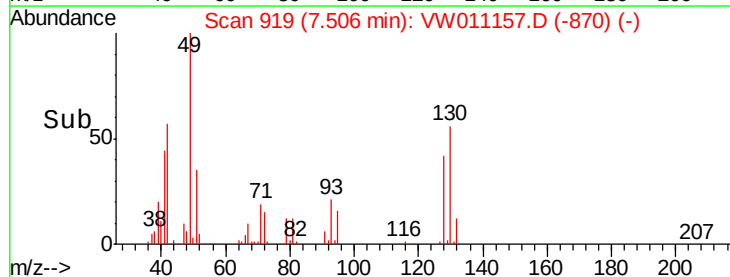
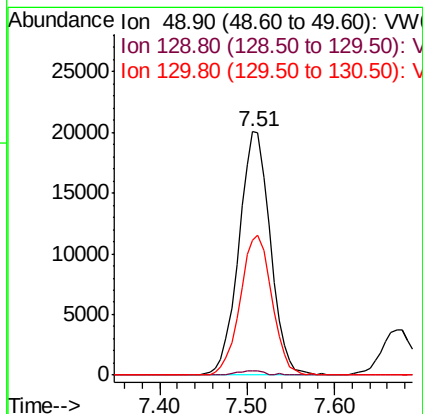
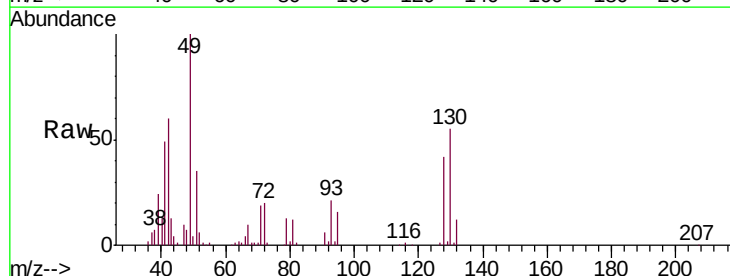
Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	325.6
98	64.5	0.0	128.2

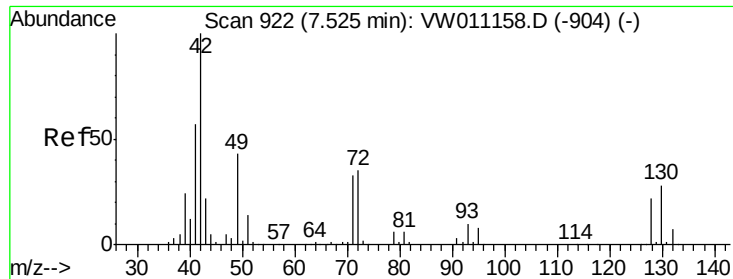


#28

Bromochloromethane
Concen: 20.435 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.4#
130	57.6	45.8	68.8

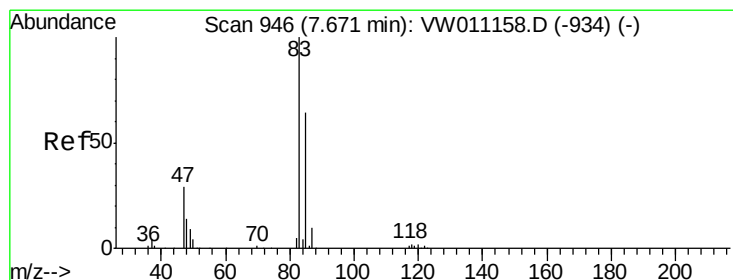
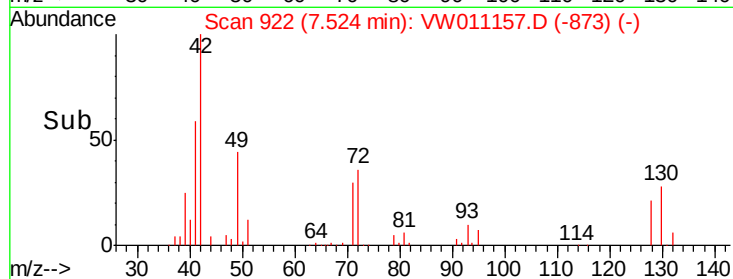
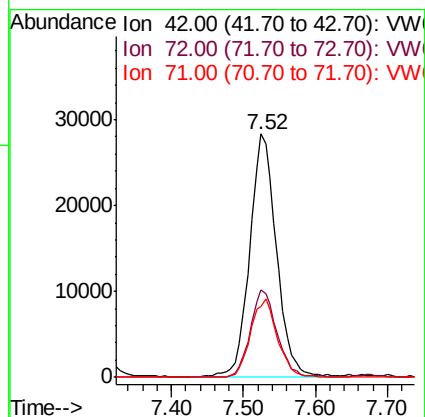
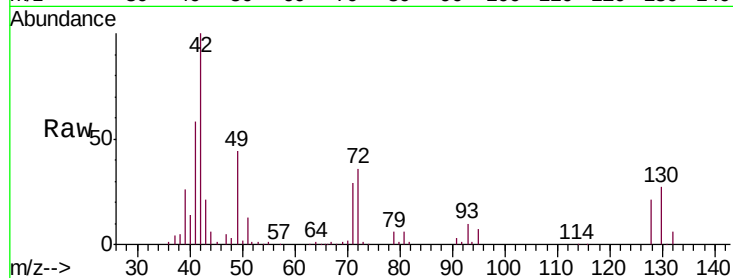




#29
Tetrahydrofuran
Concen: 99.897 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

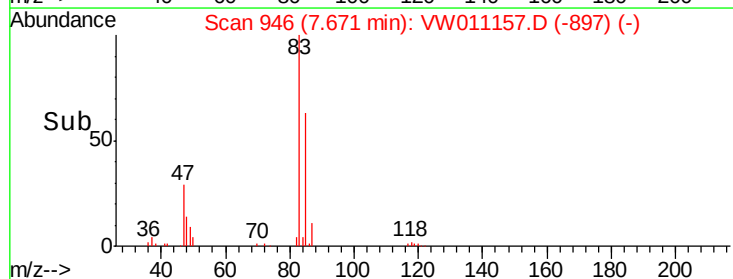
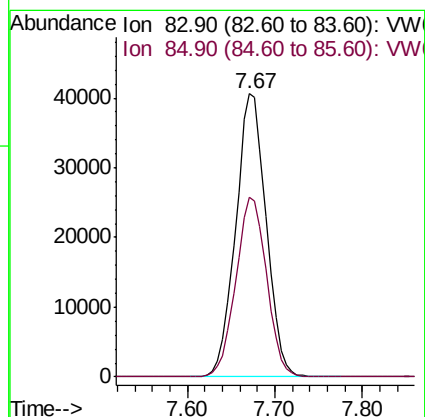
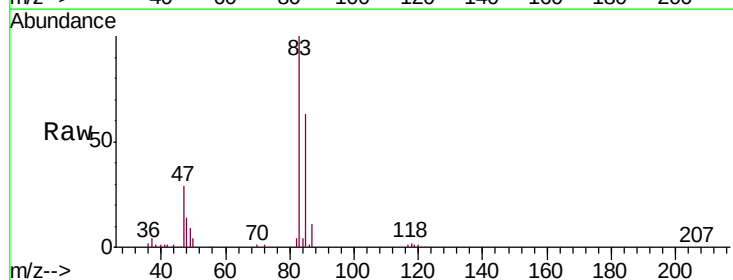
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

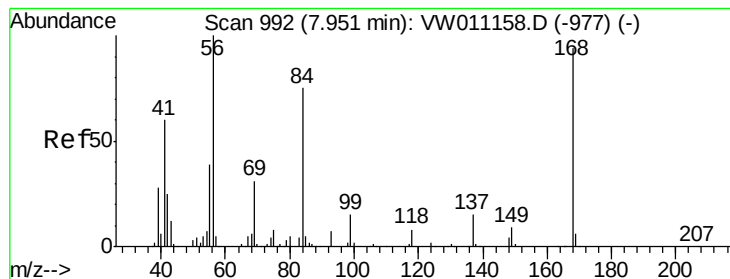
Tgt Ion: 42 Resp: 73376
Ion Ratio Lower Upper
42 100
72 35.6 27.4 41.2
71 32.3 25.9 38.9



#30
Chloroform
Concen: 19.643 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion: 83 Resp: 98241
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2





#31

Cyclohexane

Concen: 19.338 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

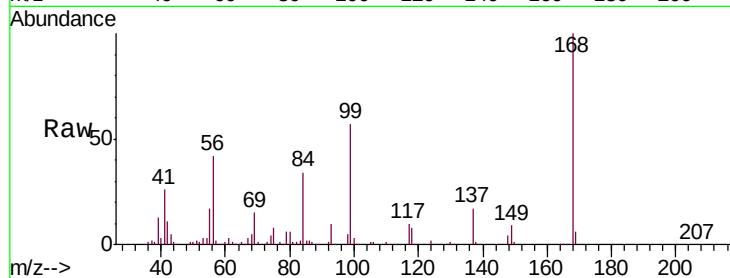
Tgt Ion: 56 Resp: 111101

Ion Ratio Lower Upper

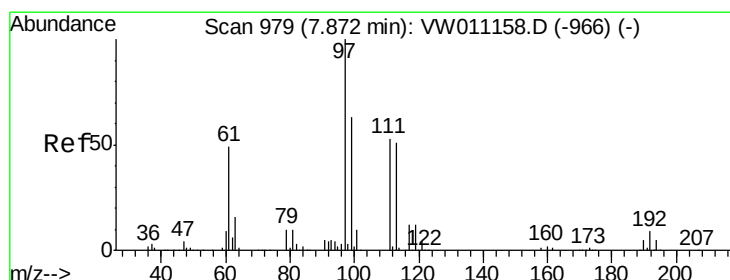
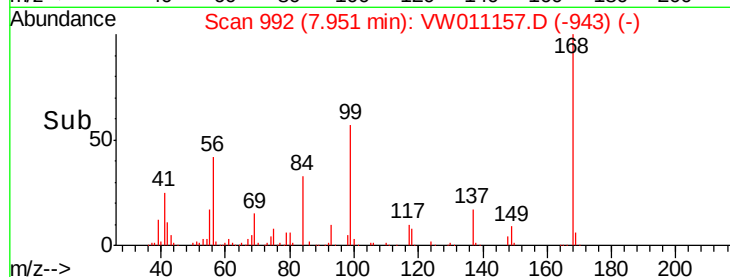
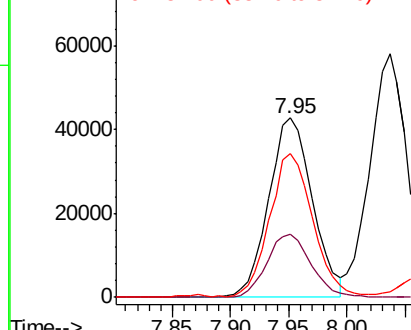
56 100

69 35.3 24.6 36.8

84 79.4 60.1 90.1



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: 19.580 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

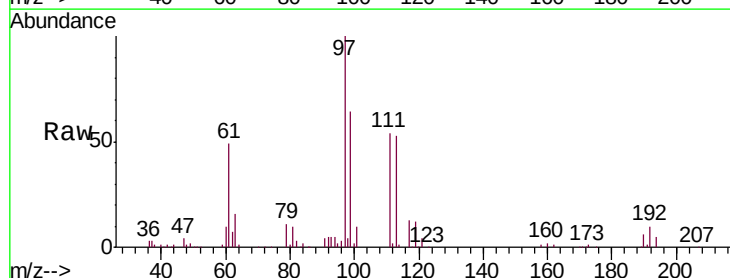
Tgt Ion: 97 Resp: 74489

Ion Ratio Lower Upper

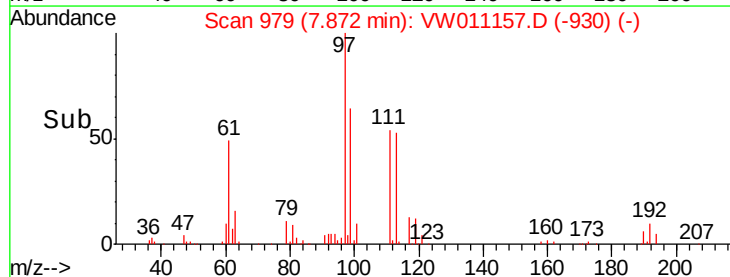
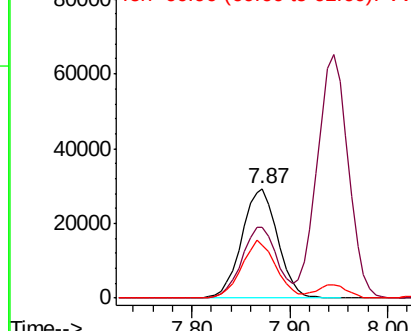
97 100

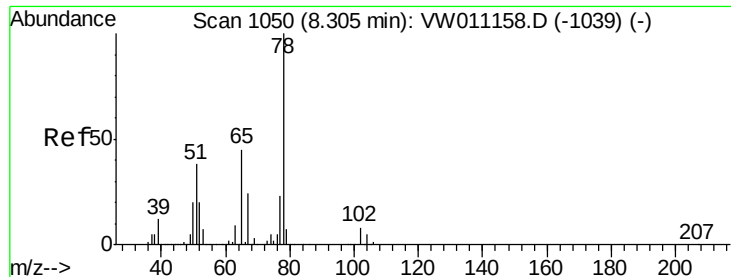
99 63.7 51.0 76.4

61 50.6 40.4 60.6



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

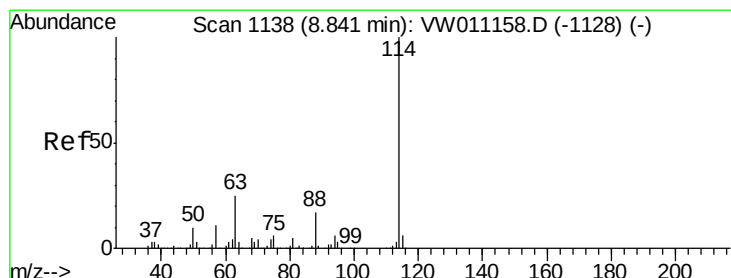
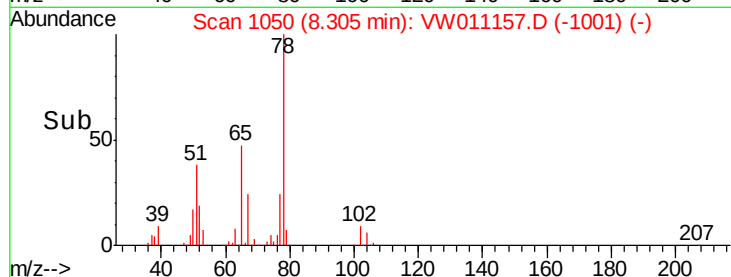
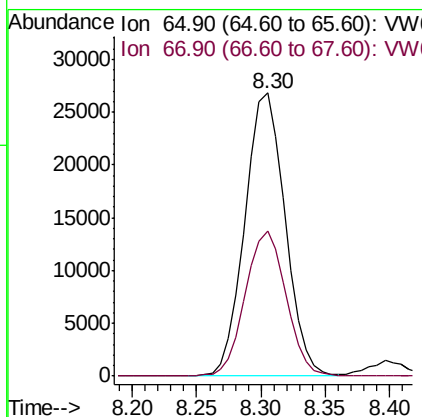
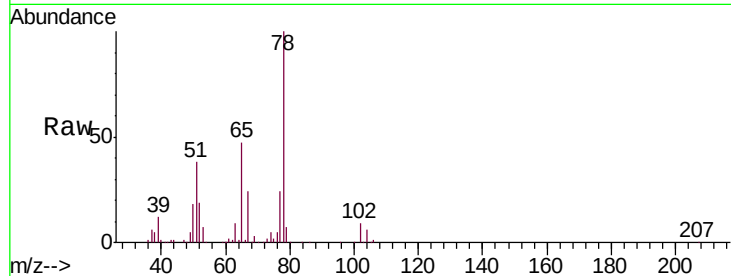




#33
 1,2-Dichloroethane-d4
 Concen: 19.623 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

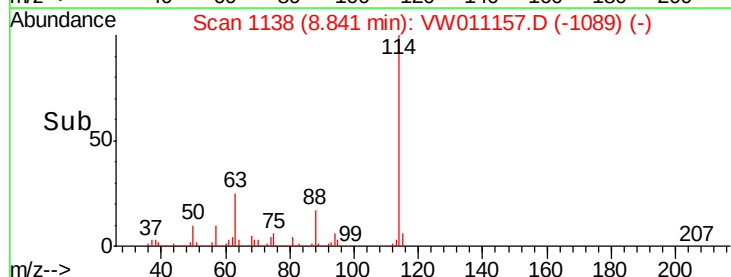
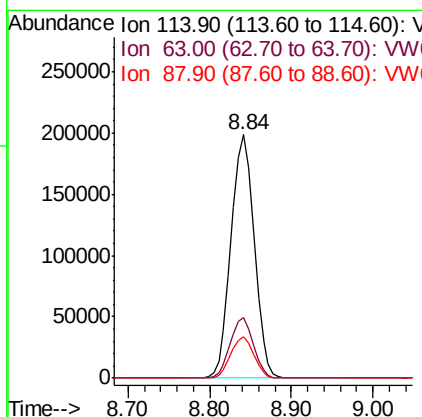
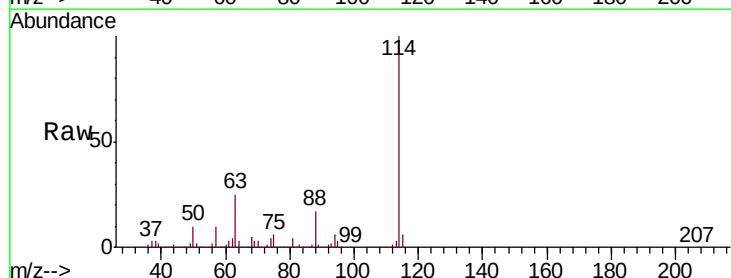
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

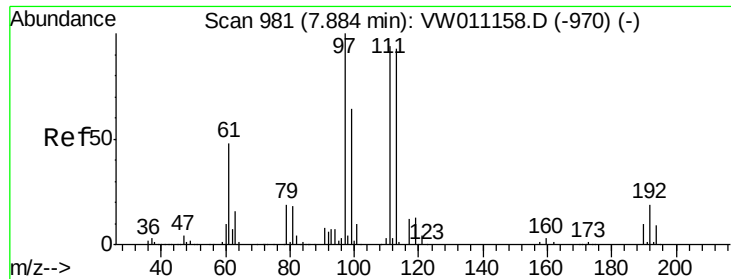
Tgt Ion: 65 Resp: 58200
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion: 114 Resp: 388578
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.8
 88 16.8 0.0 34.2

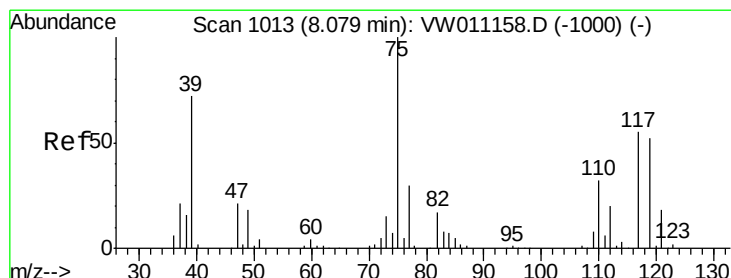
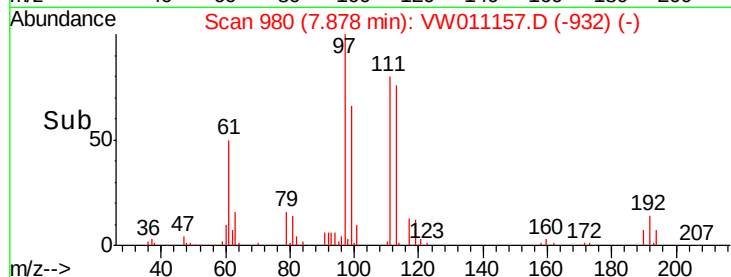
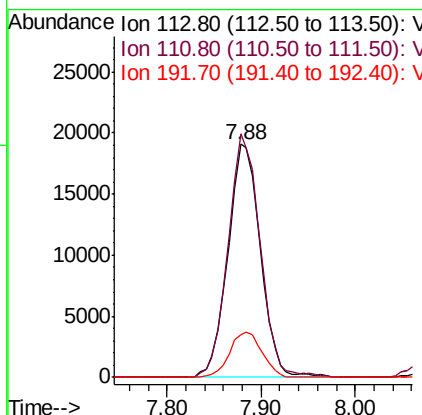
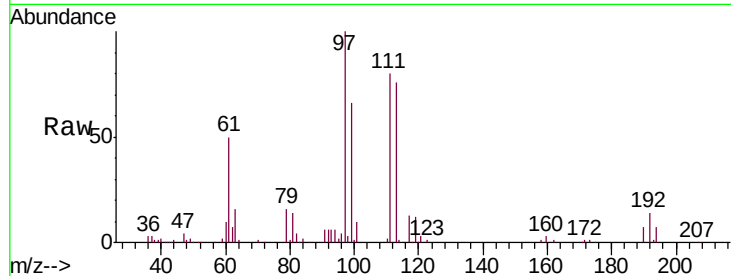




#35
 Dibromofluoromethane
 Concen: 19.665 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

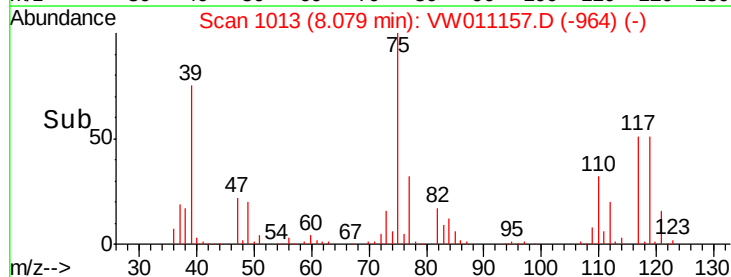
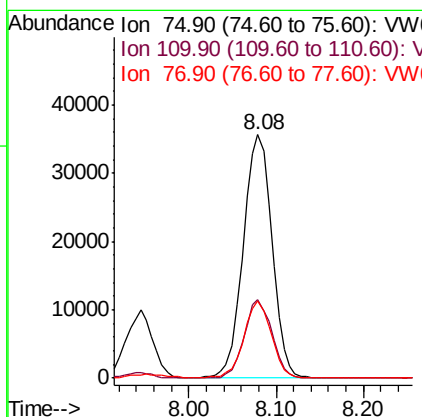
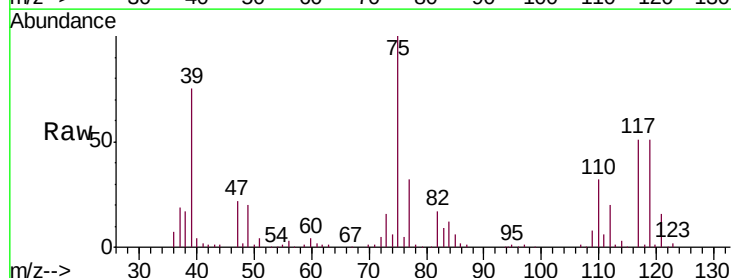
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

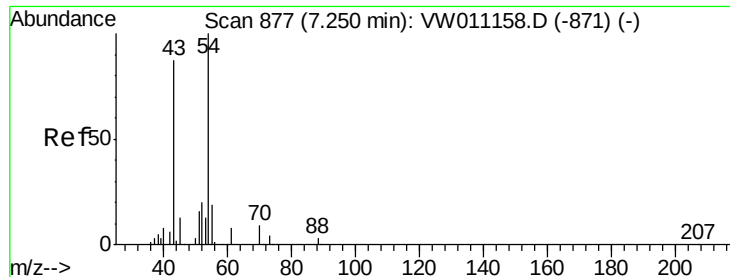
Tgt Ion:113 Resp: 45545
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.4 123.6
 192 19.3 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 19.736 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion: 75 Resp: 81666
 Ion Ratio Lower Upper
 75 100
 110 30.9 15.9 47.6
 77 30.3 24.6 36.8

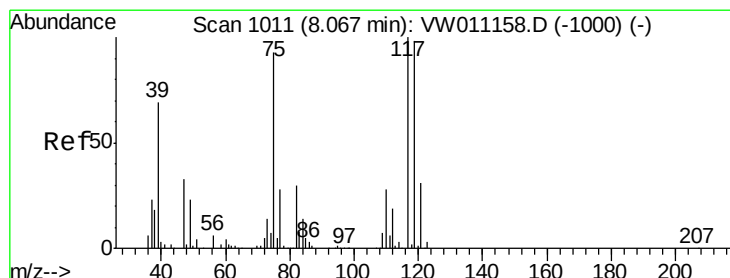
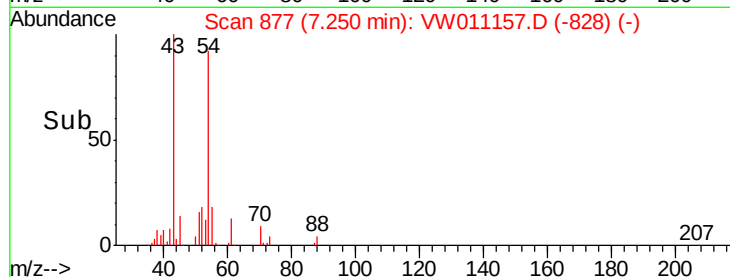
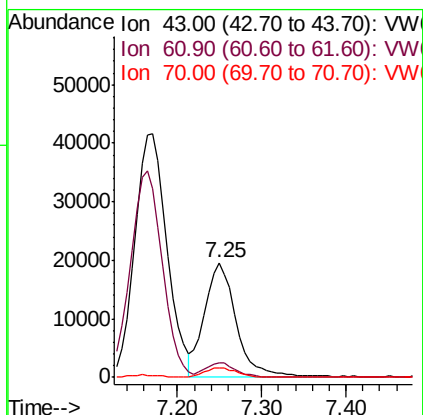
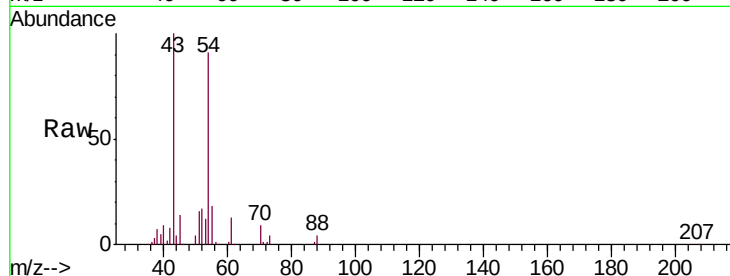




#37
Ethyl Acetate
Concen: 20.299 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

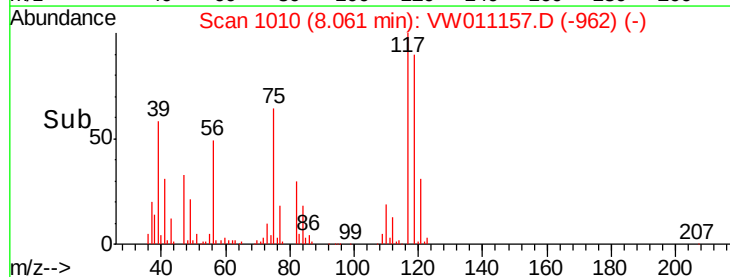
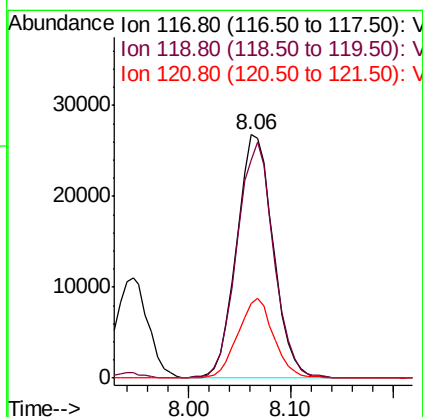
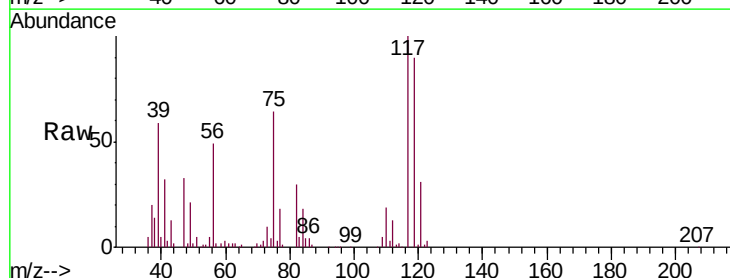
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

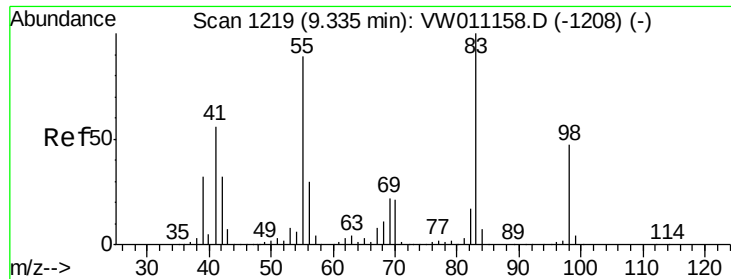
Tgt Ion: 43 Resp: 50467
Ion Ratio Lower Upper
43 100
61 12.4 9.5 14.3
70 8.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.033 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion: 117 Resp: 66764
Ion Ratio Lower Upper
117 100
119 89.7 78.1 117.1
121 30.9 25.1 37.7

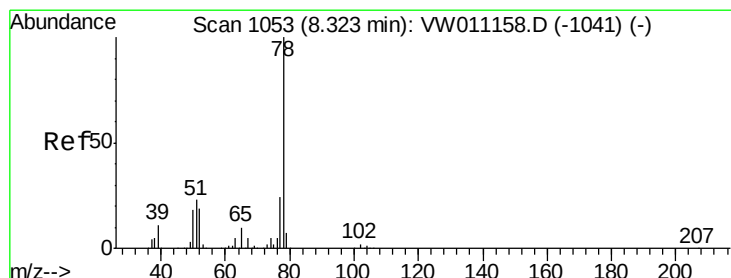
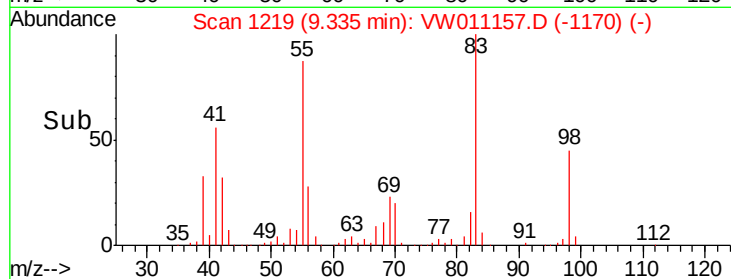
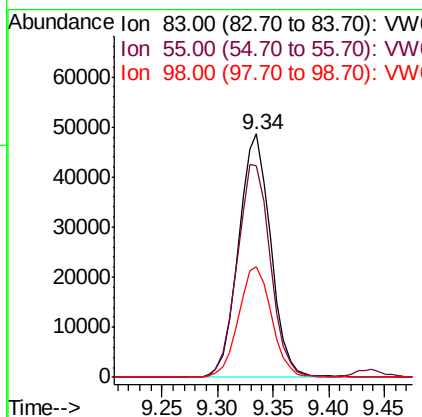
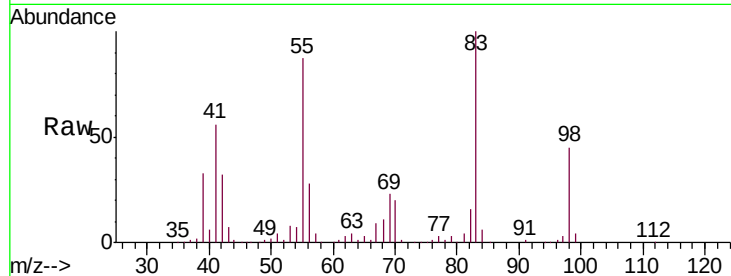




#39
Methylcyclohexane
Concen: 19.441 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

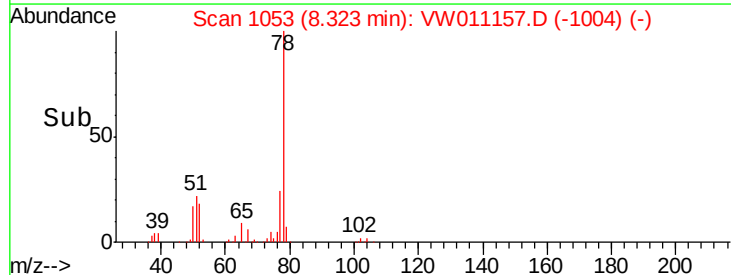
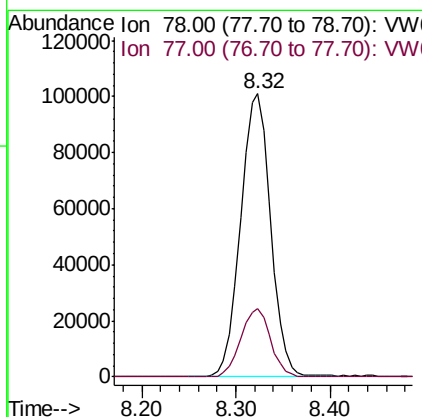
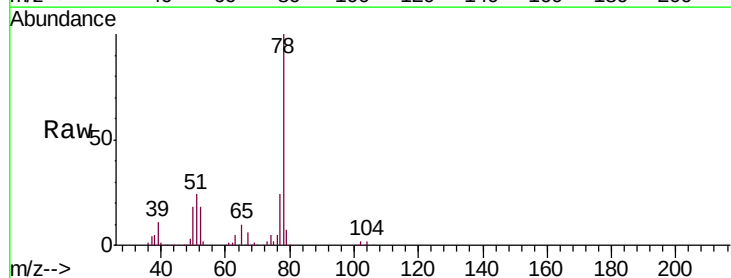
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

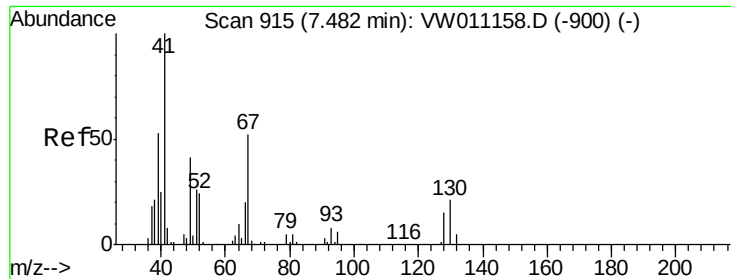
Tgt Ion: 83 Resp: 97507
Ion Ratio Lower Upper
83 100
55 86.8 71.2 106.8
98 45.2 37.5 56.3



#40
Benzene
Concen: 19.669 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion: 78 Resp: 224936
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6

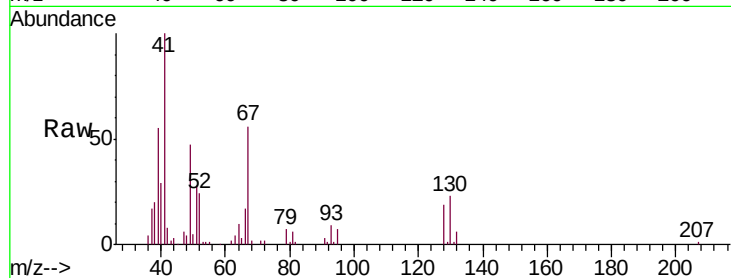




#41
Methacrylonitrile
Concen: 20.343 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tgt Ion:	41	Resp:	28927
Ion	Ratio	Lower	Upper
41	100		
39	54.9	48.0	72.0
67	57.9	49.7	74.5
52	27.5	23.4	35.0



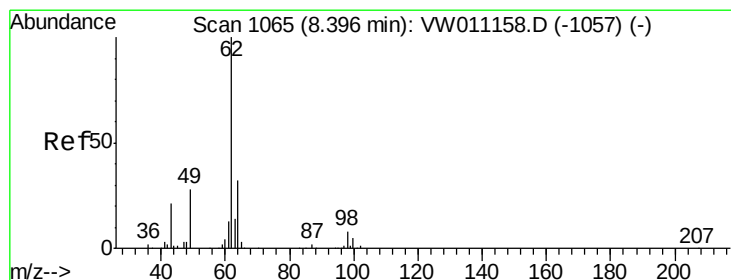
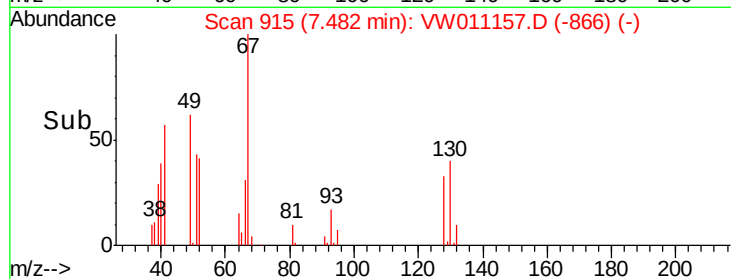
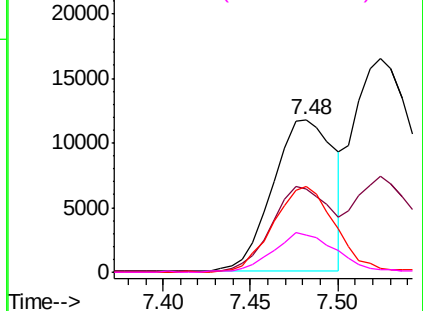
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

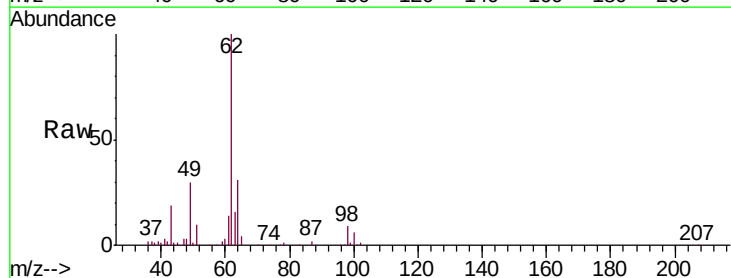
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 19.872 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

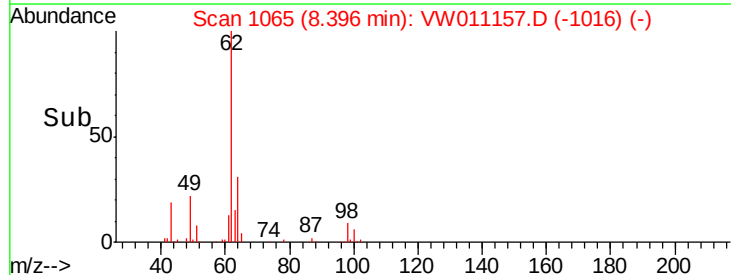
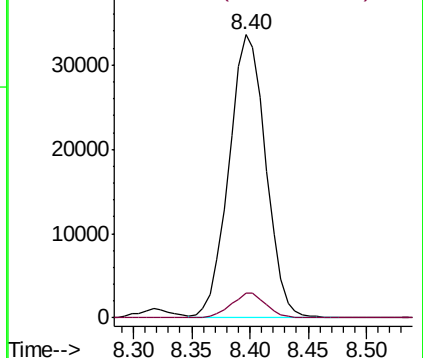
Tgt Ion:	62	Resp:	73720
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.8

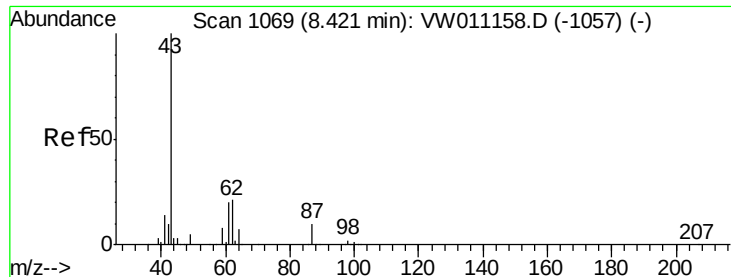


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.748 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

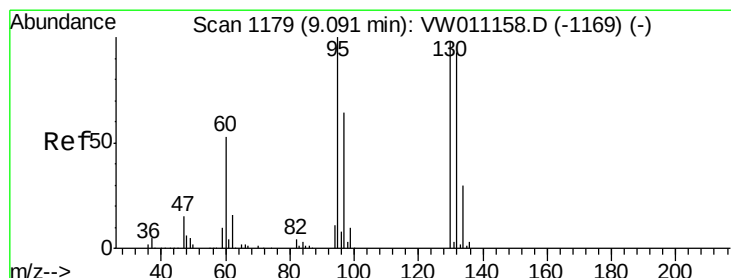
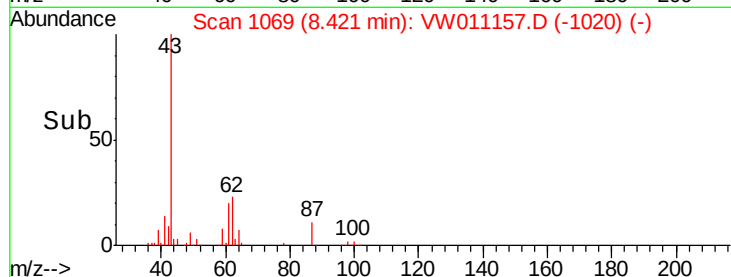
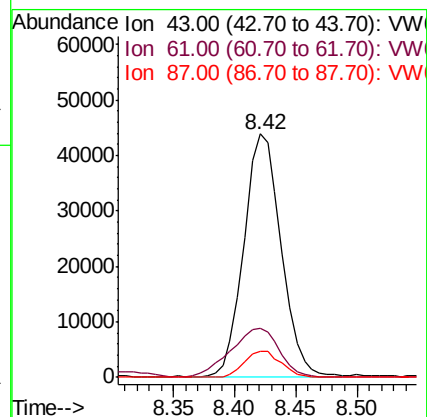
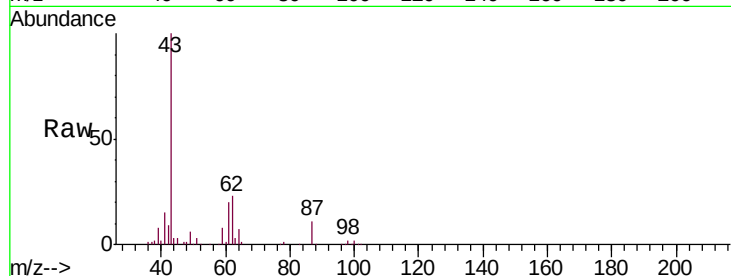
Tgt Ion: 43 Resp: 92697

Ion Ratio Lower Upper

43 100

61 26.0 20.7 31.1

87 10.8 8.1 12.1



#44

Trichloroethene

Concen: 19.528 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011157.D

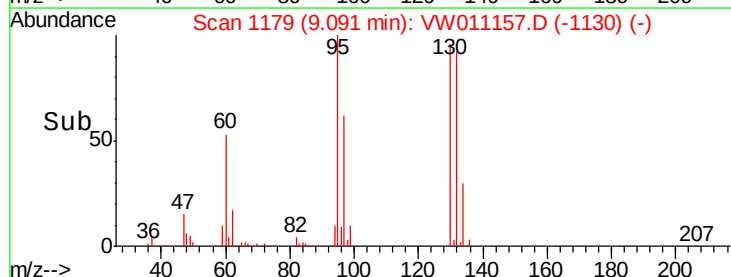
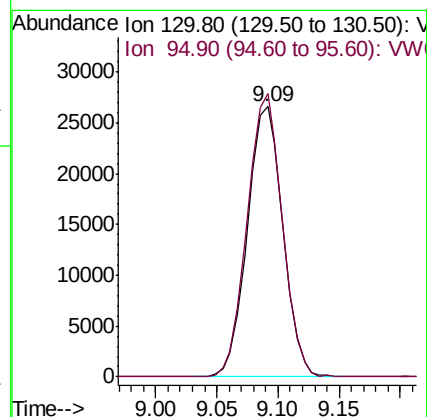
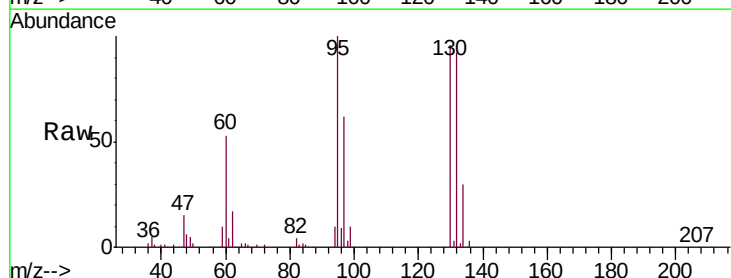
Acq: 08 Jul 2019 11:34

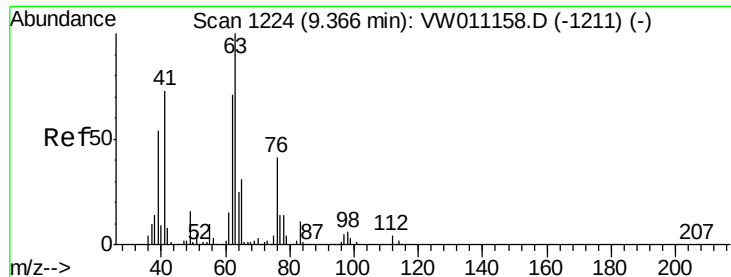
Tgt Ion: 130 Resp: 53741

Ion Ratio Lower Upper

130 100

95 104.7 0.0 203.6

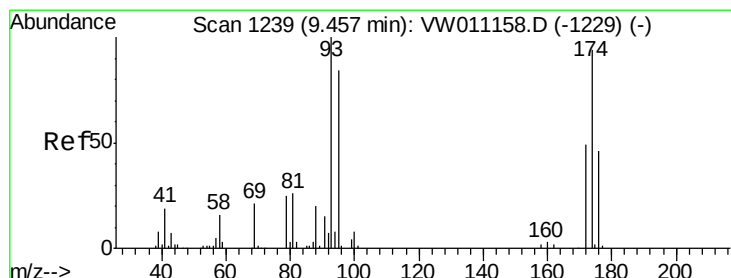
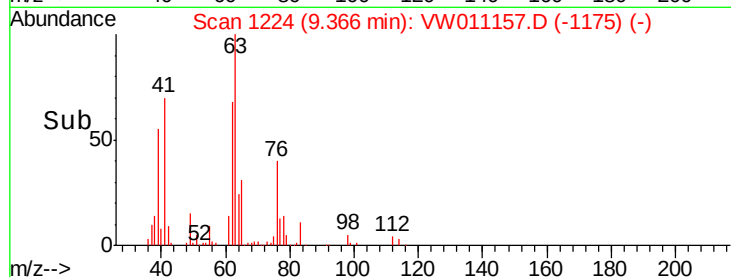
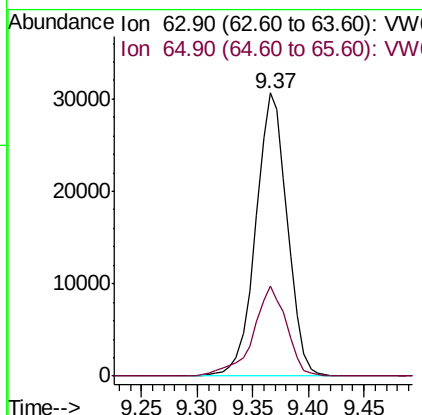
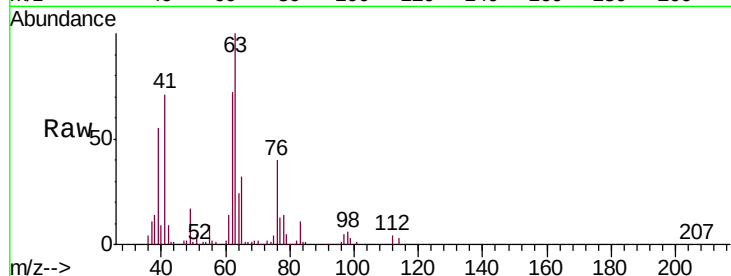




#45
 1,2-Dichloropropane
 Concen: 19.530 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

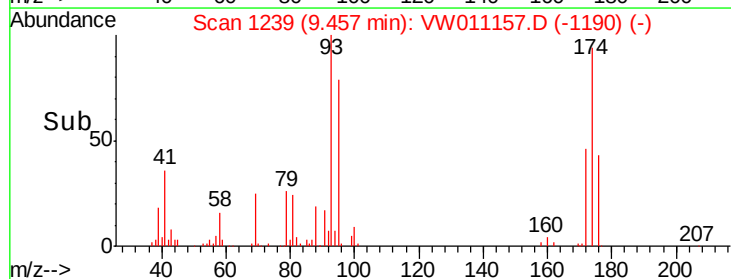
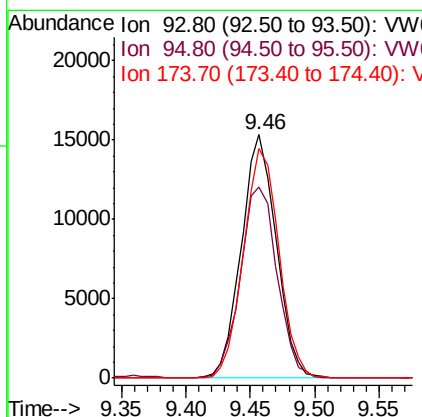
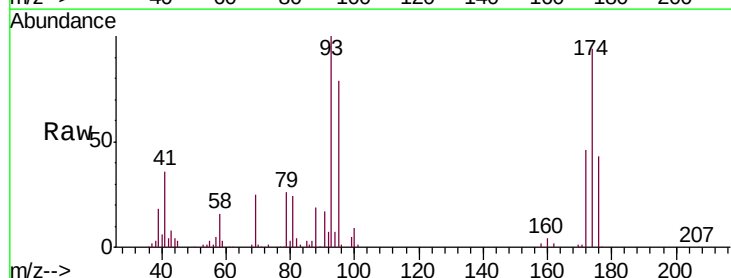
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

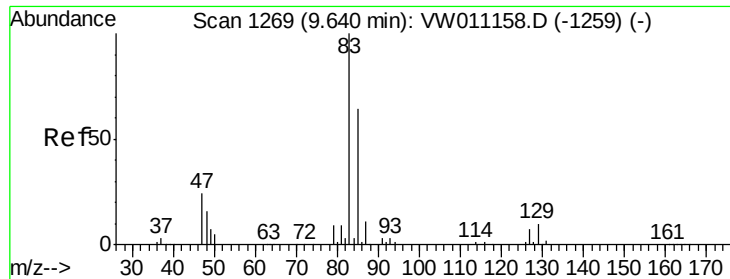
Tgt Ion: 63 Resp: 60480
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.4 36.6



#46
 Dibromomethane
 Concen: 19.847 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion: 93 Resp: 28872
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.2 100.8
 174 95.4 76.3 114.5





#47

Bromodichloromethane

Concen: 19.438 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

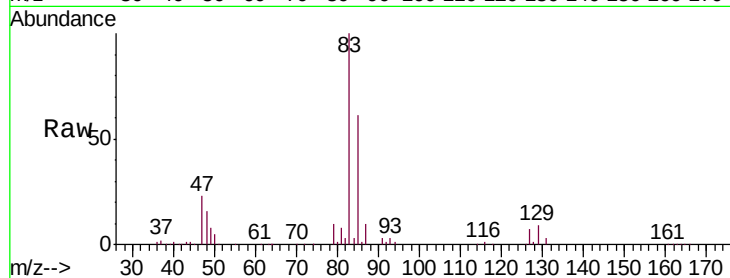
Tgt Ion: 83 Resp: 72350

Ion Ratio Lower Upper

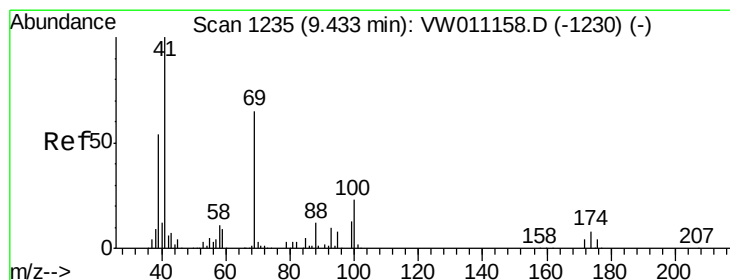
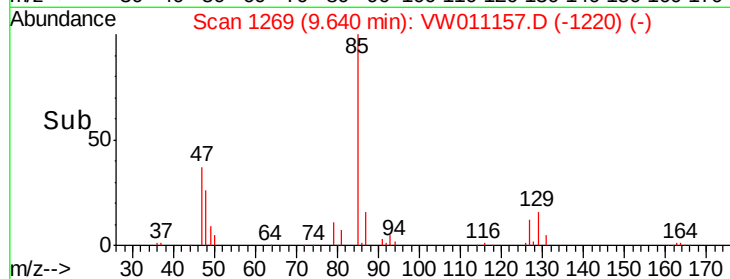
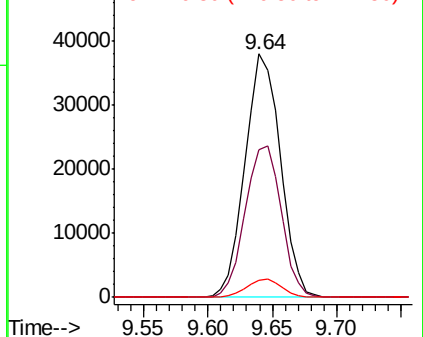
83 100

85 60.9 51.0 76.4

127 7.1 6.0 9.0



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: 19.861 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

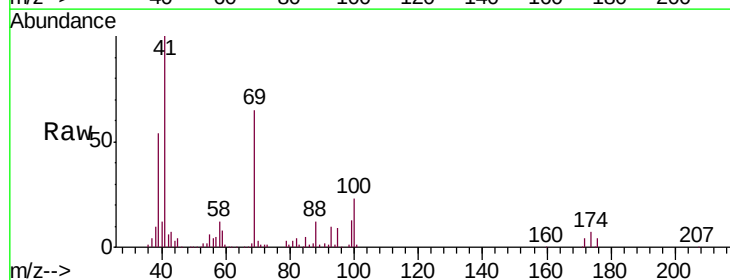
Tgt Ion: 41 Resp: 44852

Ion Ratio Lower Upper

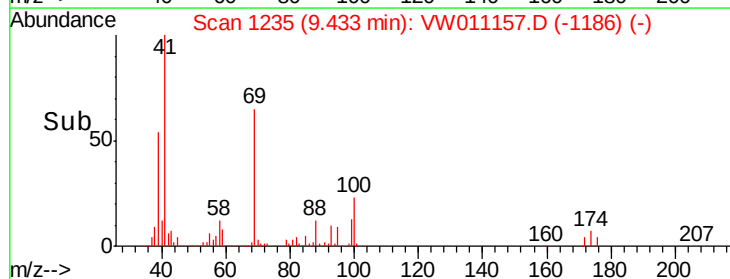
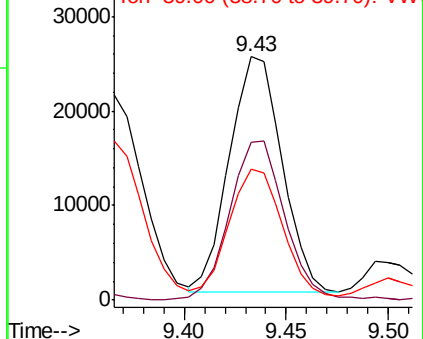
41 100

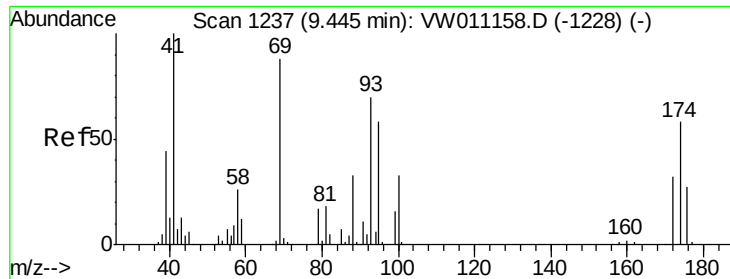
69 71.4 56.0 84.0

39 53.5 43.5 65.3



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

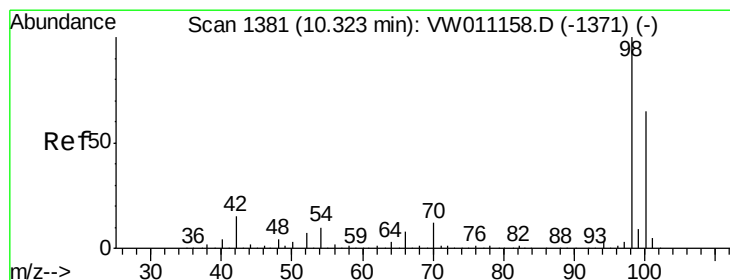
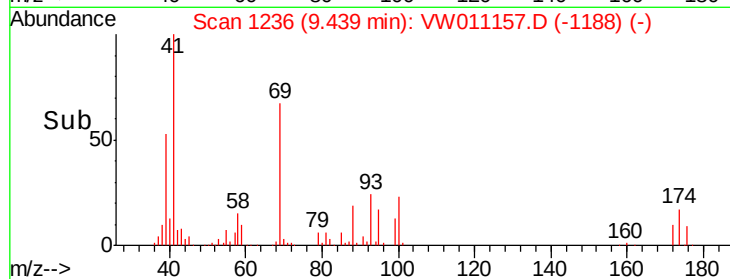
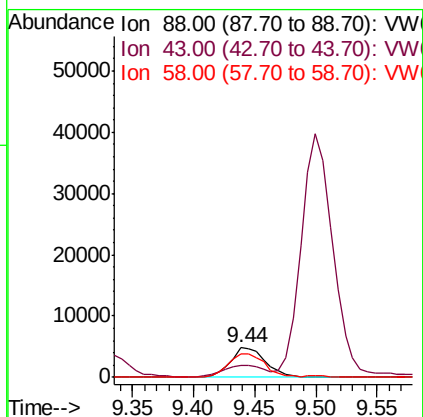
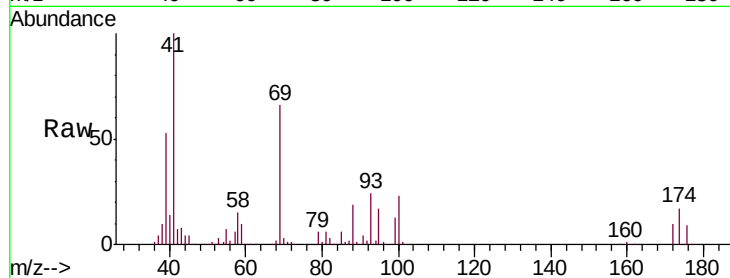




#49
1,4-Dioxane
Concen: 400.878 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

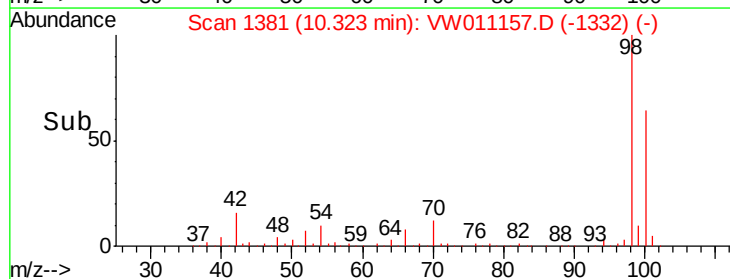
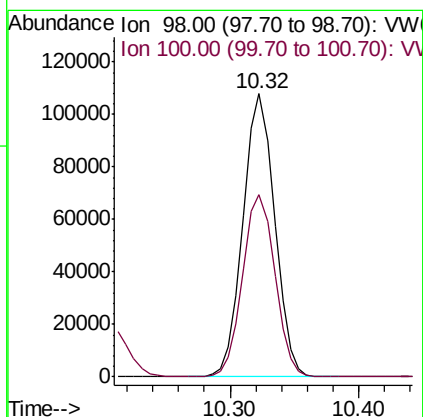
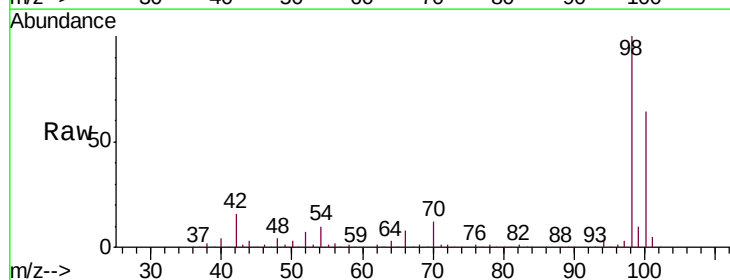
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

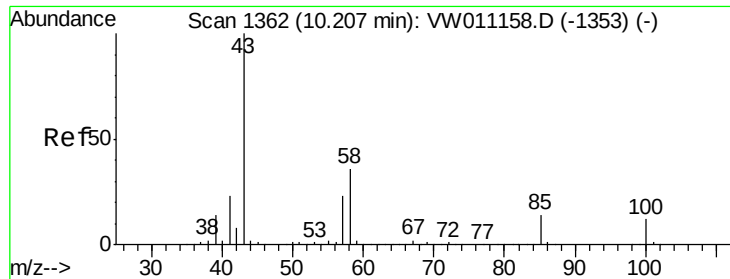
Tgt Ion: 88 Resp: 9734
Ion Ratio Lower Upper
88 100
43 43.7 33.4 50.0
58 83.3 64.5 96.7



#50
Toluene-d8
Concen: 19.599 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion: 98 Resp: 183487
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 100.582 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

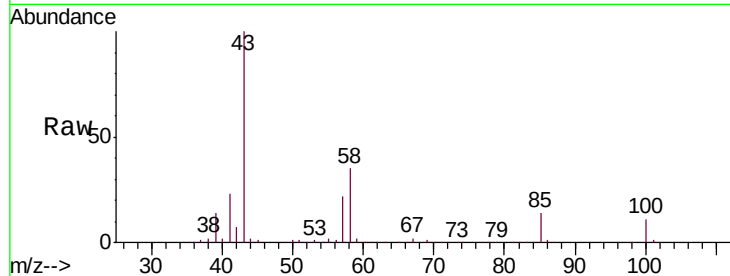
VSTDIC020

Tgt Ion: 43 Resp: 246625

Ion Ratio Lower Upper

43 100

58 34.8 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

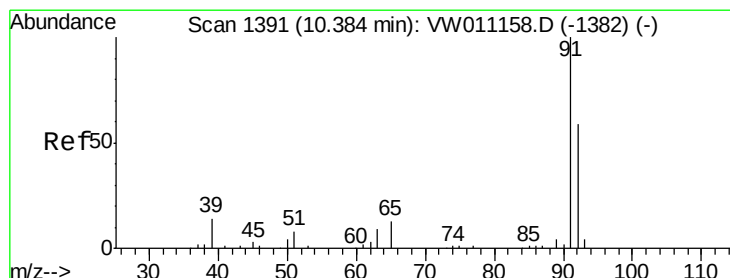
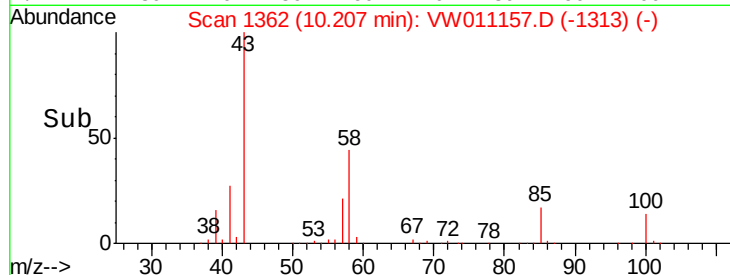
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 19.710 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011157.D

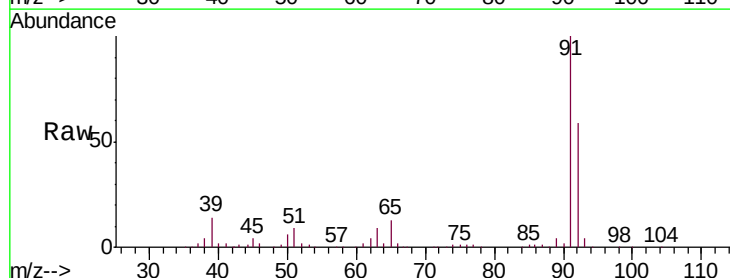
Acq: 08 Jul 2019 11:34

Tgt Ion: 92 Resp: 136730

Ion Ratio Lower Upper

92 100

91 171.2 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

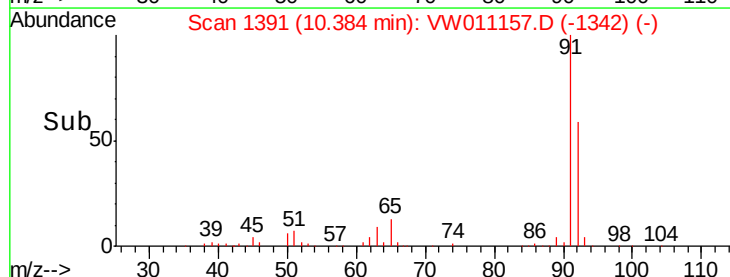
150000

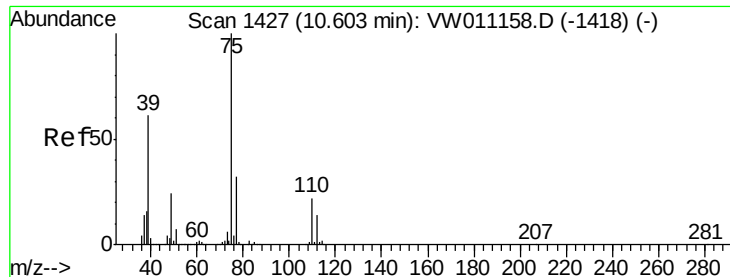
100000

50000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 19.484 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampled :

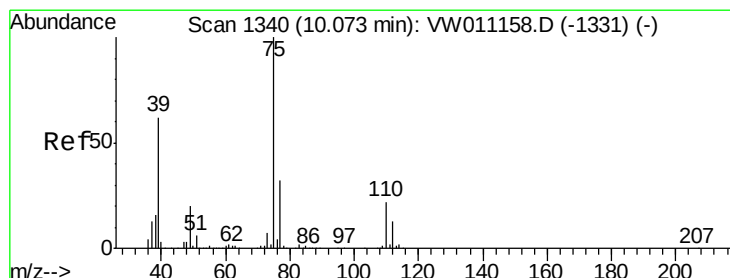
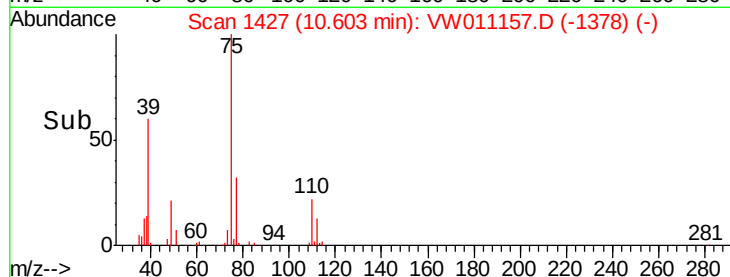
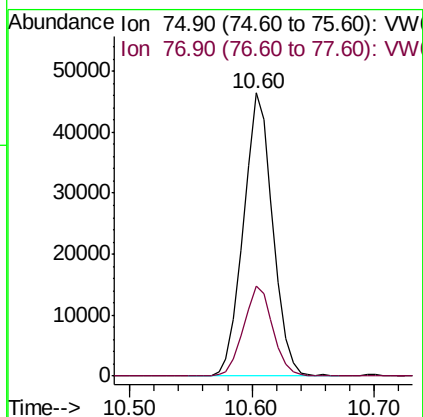
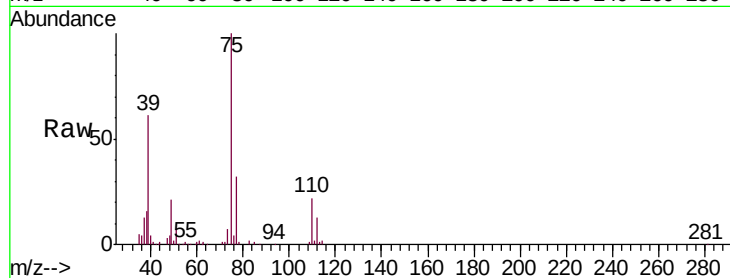
VSTDIC020

Tgt Ion: 75 Resp: 77196

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.508 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

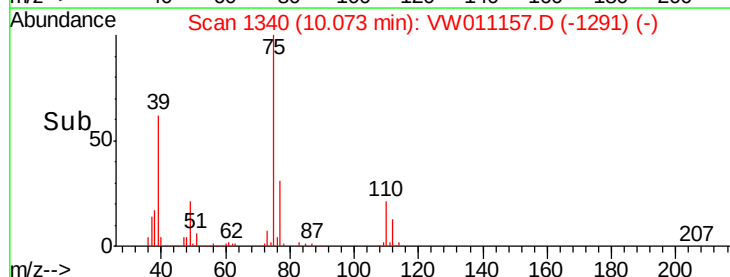
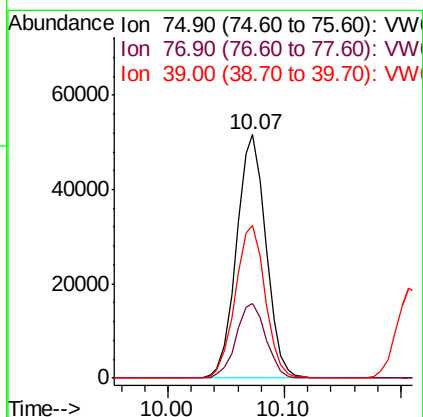
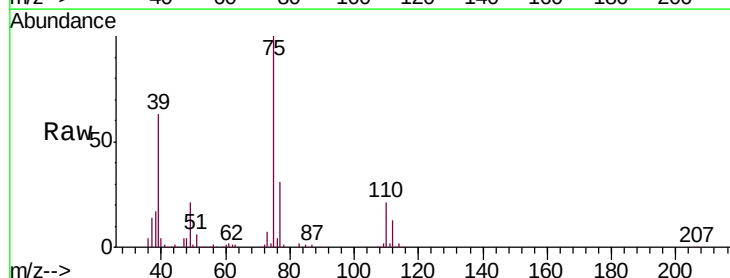
Tgt Ion: 75 Resp: 90976

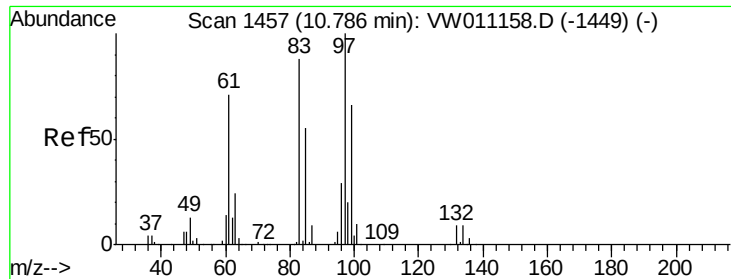
Ion Ratio Lower Upper

75 100

77 30.9 25.7 38.5

39 62.2 49.8 74.8

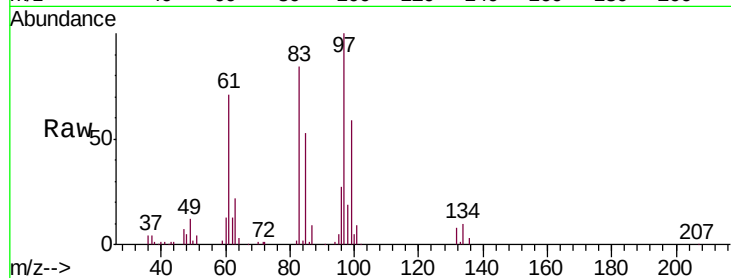




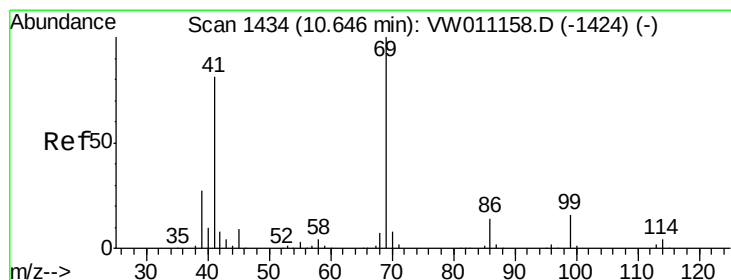
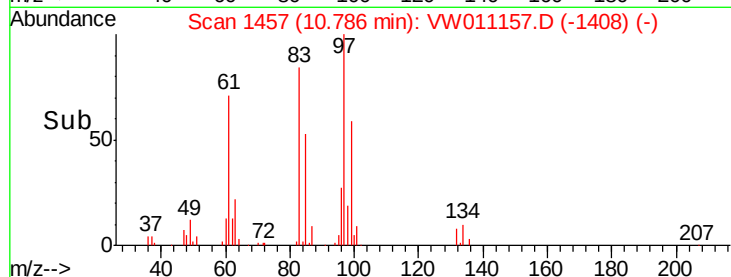
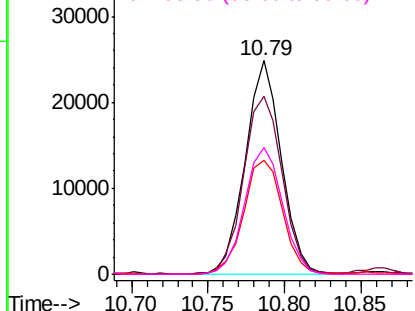
#55
 1,1,2-Trichloroethane
 Concen: 19.780 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	40820
Ion	Ratio	Lower	Upper
97	100		
83	83.6	70.2	105.4
85	53.1	44.2	66.2
99	59.2	52.6	79.0

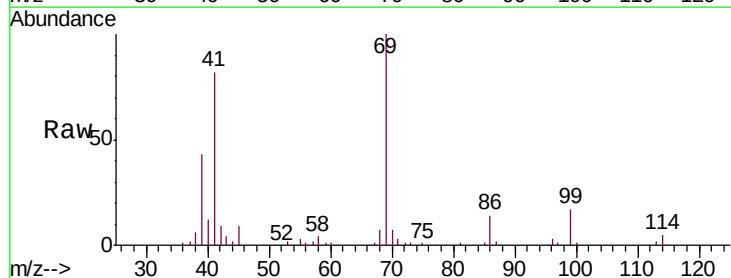


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

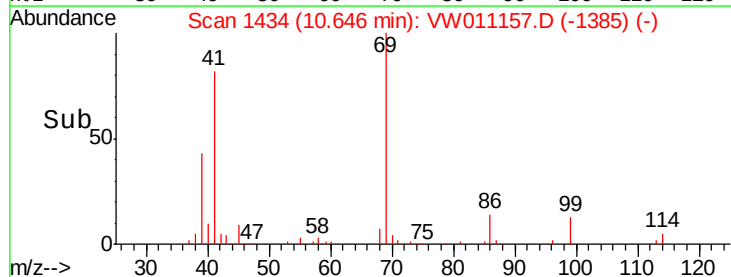
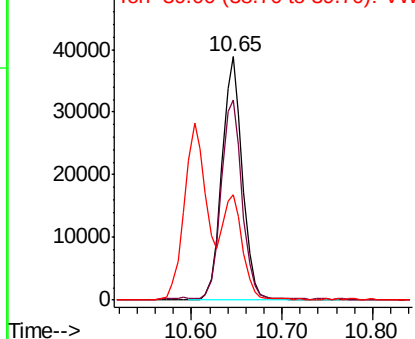


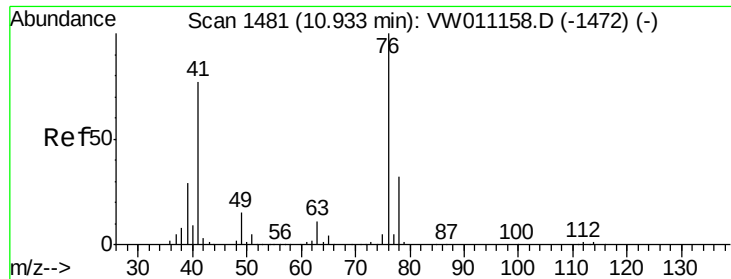
#56
 Ethyl methacrylate
 Concen: 19.633 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion:	69	Resp:	61687
Ion	Ratio	Lower	Upper
69	100		
41	83.9	66.5	99.7
39	41.5	32.5	48.7



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

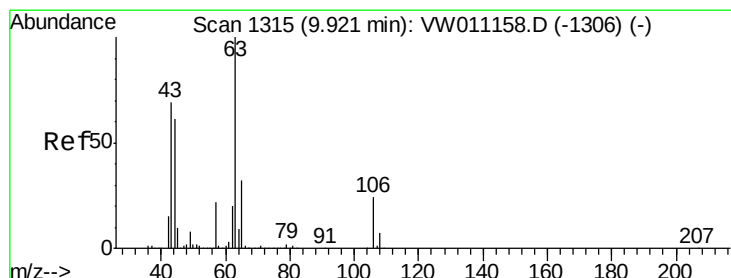
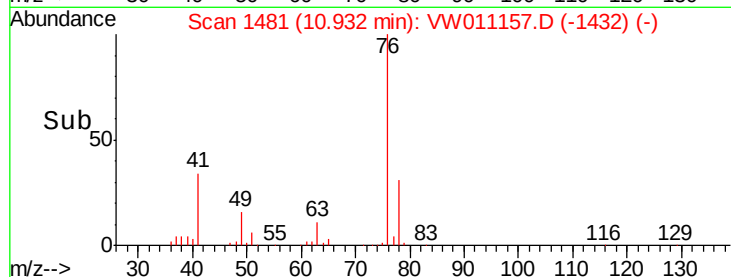
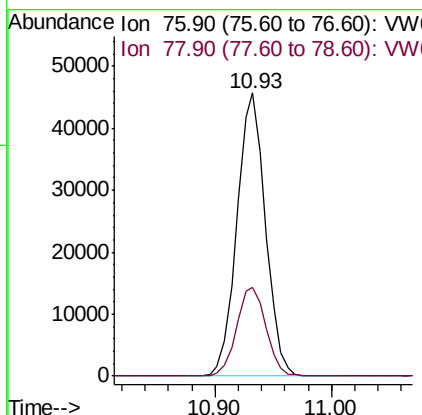
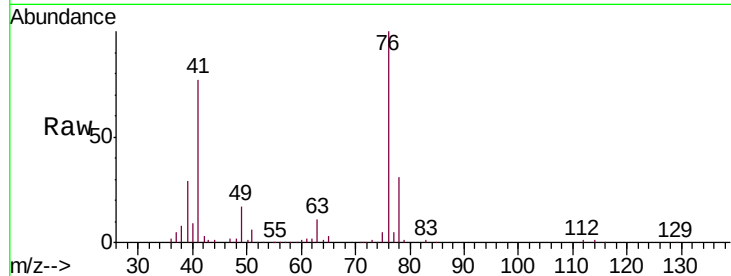




#57
 1,3-Dichloropropane
 Concen: 19.942 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

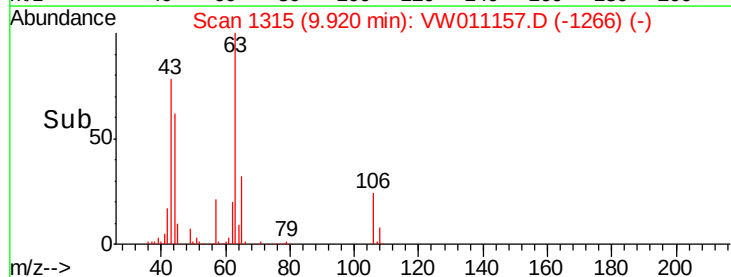
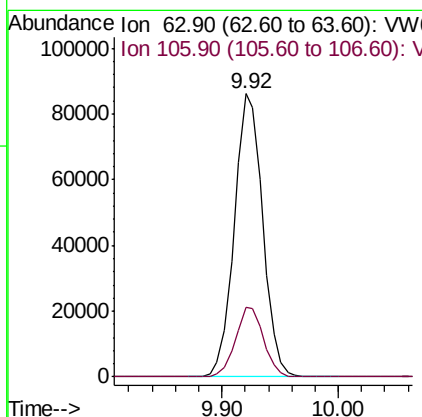
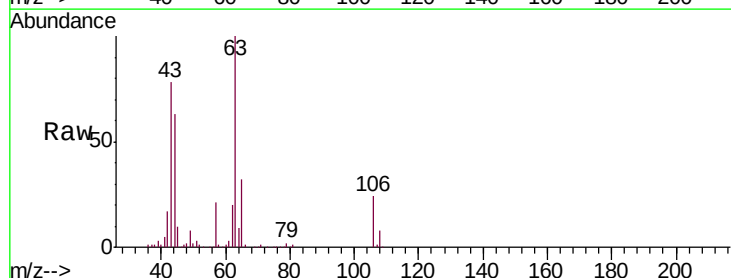
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

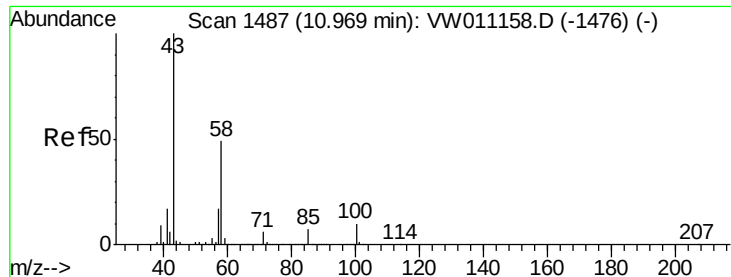
Tgt Ion: 76 Resp: 77823
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.464 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion: 63 Resp: 146338
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.0

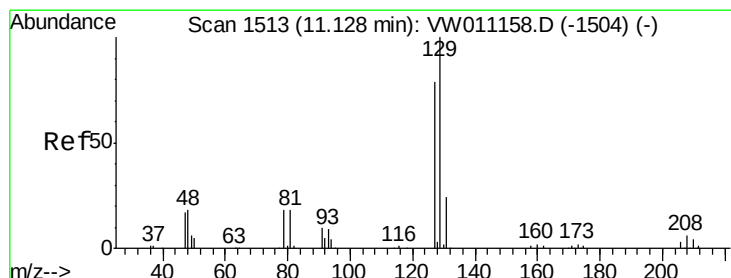
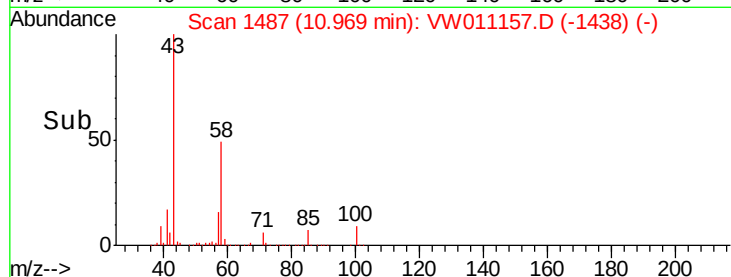
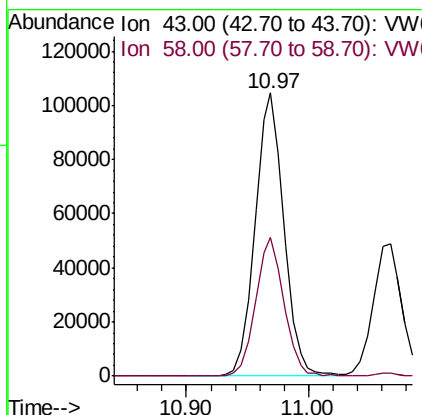
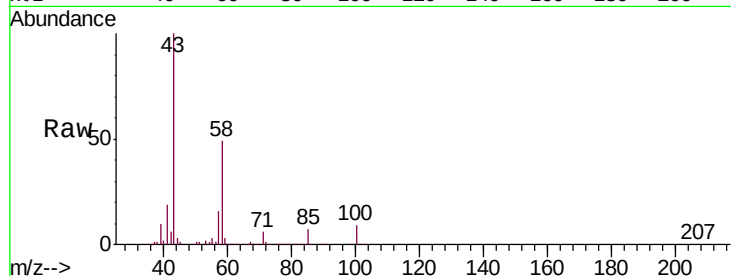




#59
2-Hexanone
Concen: 100.144 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

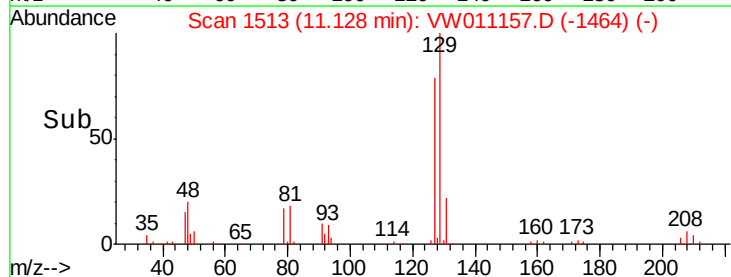
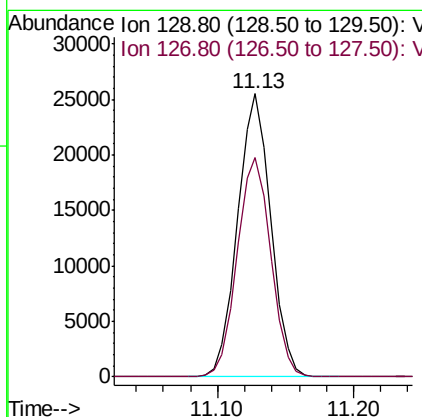
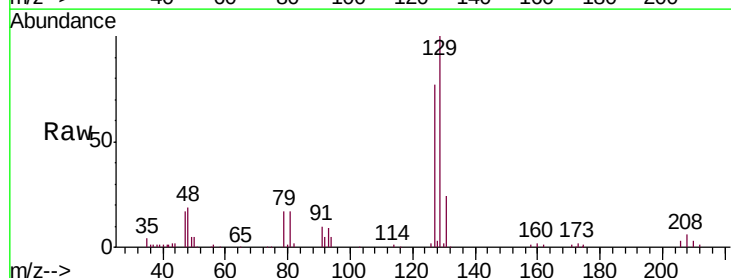
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

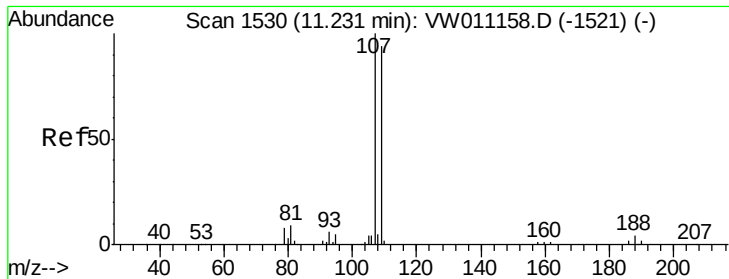
Tgt Ion: 43 Resp: 170291
Ion Ratio Lower Upper
43 100
58 48.5 24.4 73.4



#60
Dibromochloromethane
Concen: 19.215 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion: 129 Resp: 43484
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.3

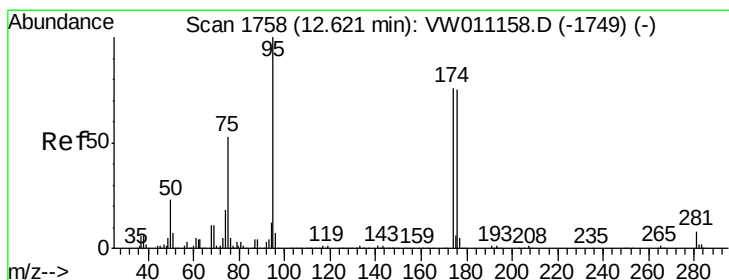
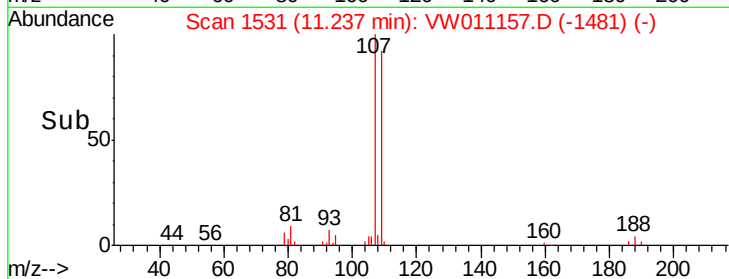
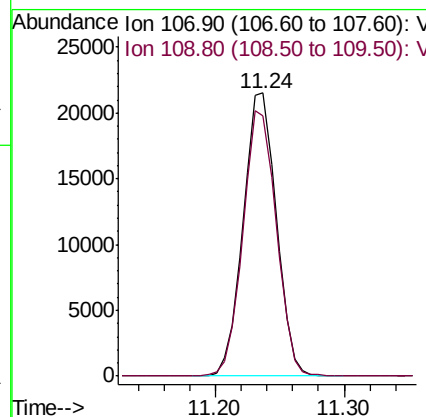
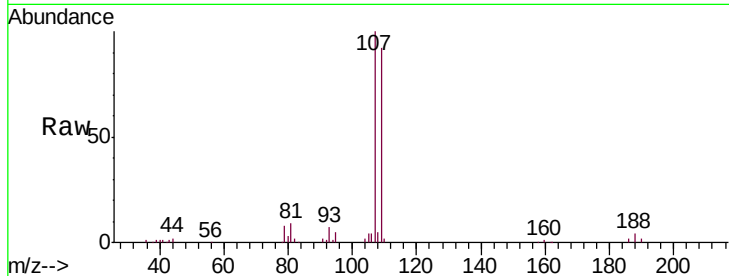




#61
 1,2-Dibromoethane
 Concen: 19.620 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

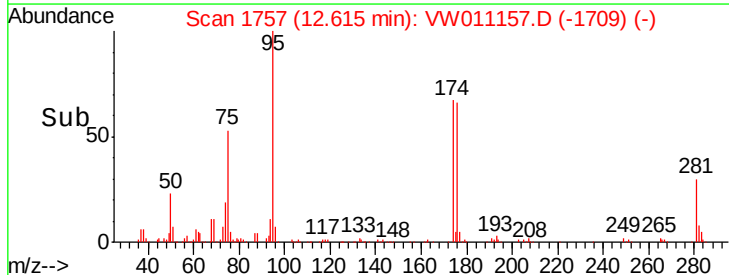
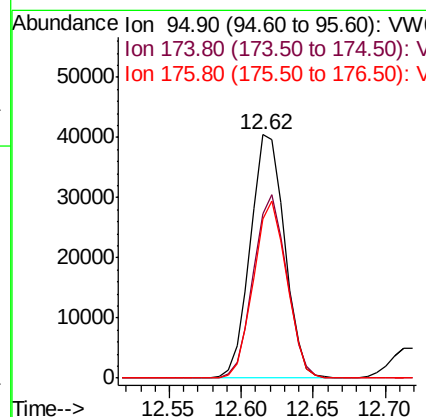
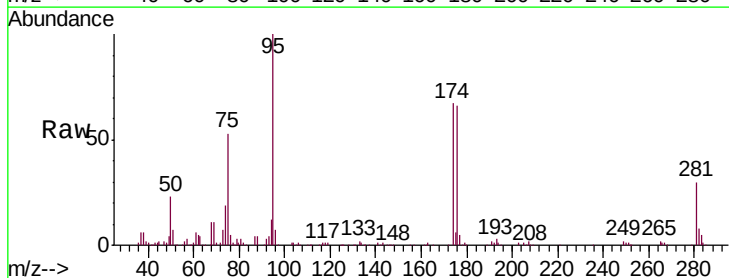
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

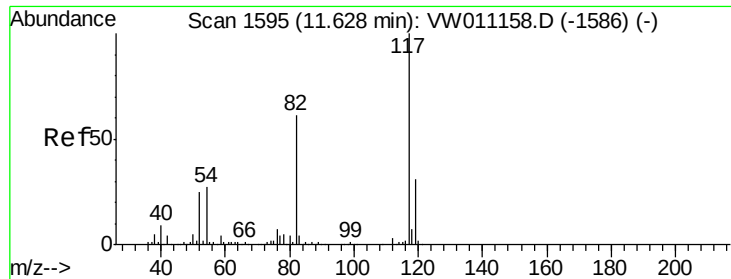
Tgt Ion: 107 Resp: 38353
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 19.362 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion: 95 Resp: 66440
 Ion Ratio Lower Upper
 95 100
 174 73.5 0.0 147.6
 176 70.7 0.0 144.6

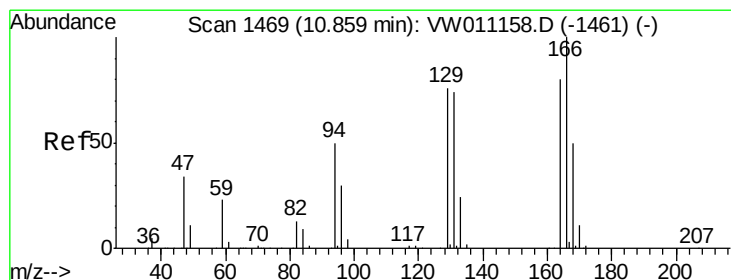
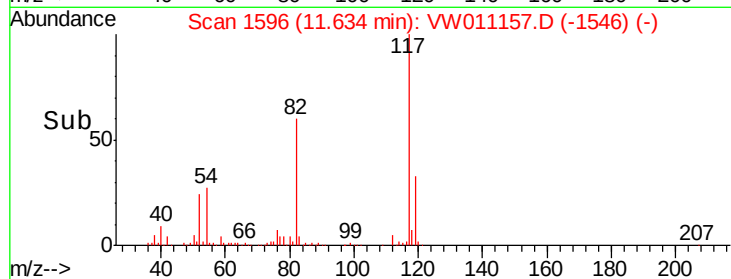
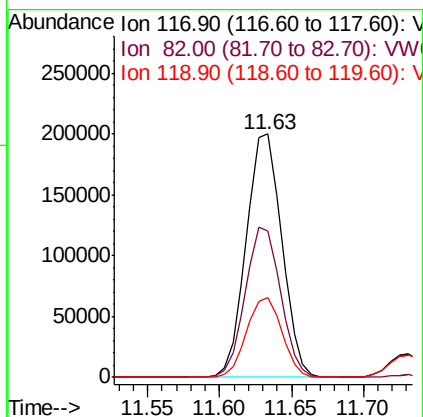
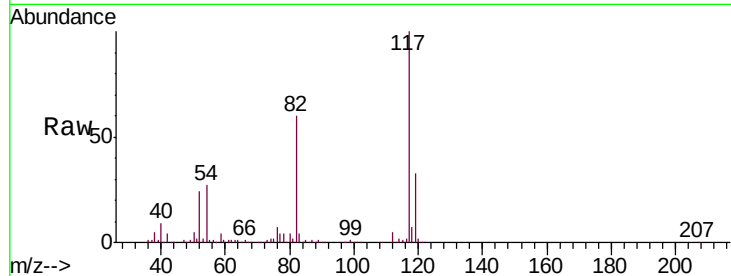




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

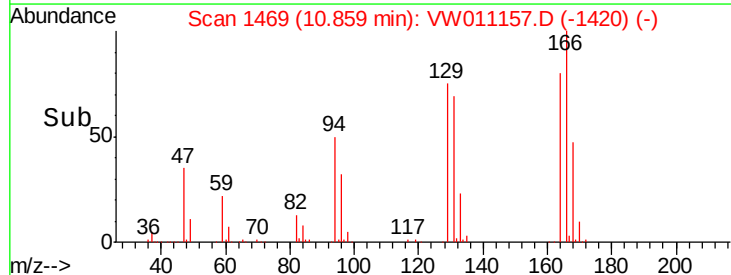
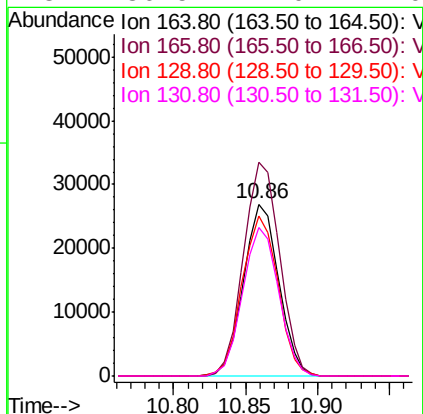
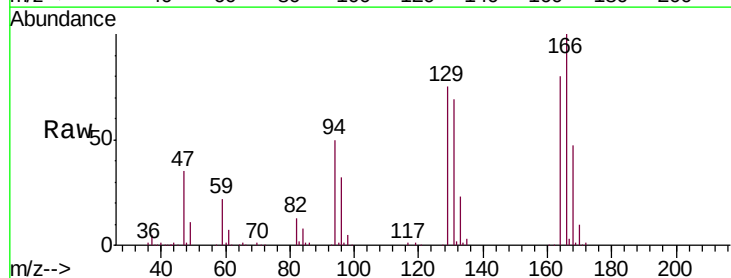
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

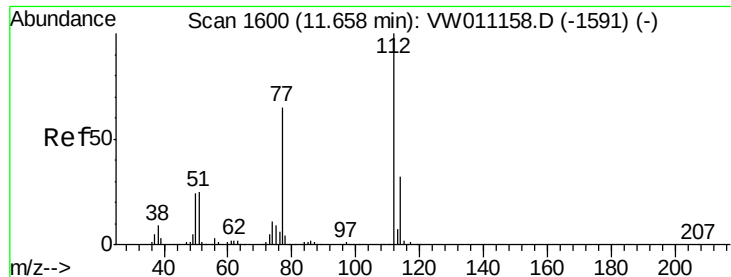
Tgt Ion:117 Resp: 342696
Ion Ratio Lower Upper
117 100
82 60.1 48.9 73.3
119 32.8 25.0 37.6



#64
Tetrachloroethene
Concen: 19.695 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion:164 Resp: 45543
Ion Ratio Lower Upper
164 100
166 124.5 99.7 149.5
129 93.0 76.2 114.2
131 86.5 74.0 111.0

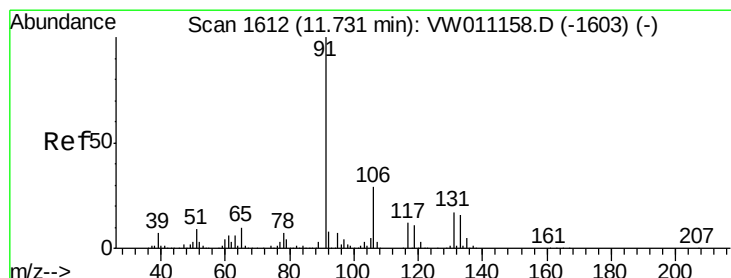
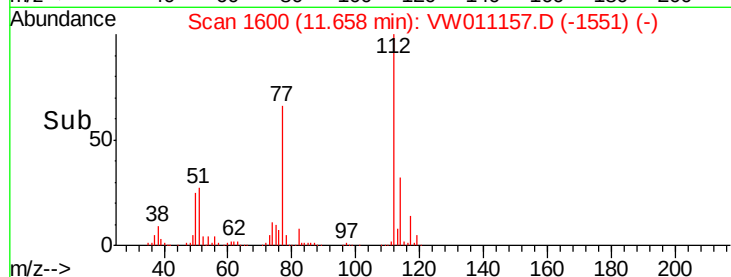
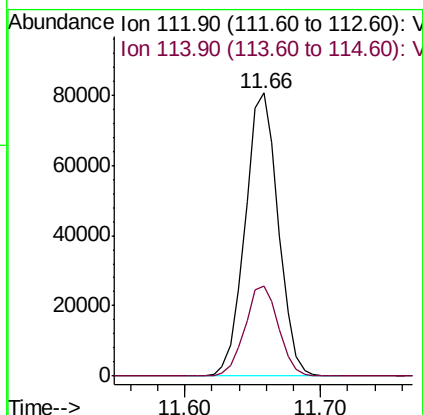
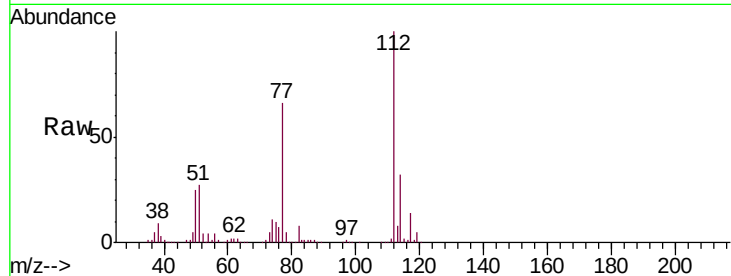




#65
Chlorobenzene
Concen: 19.707 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

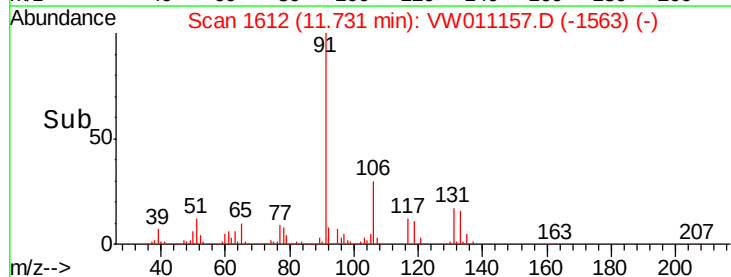
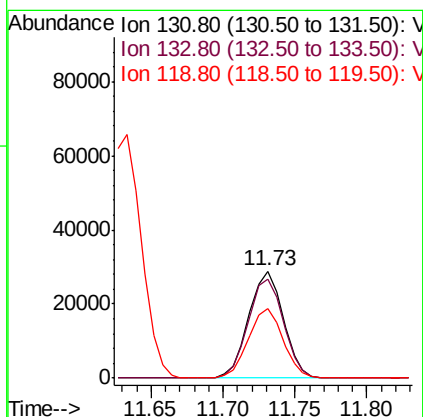
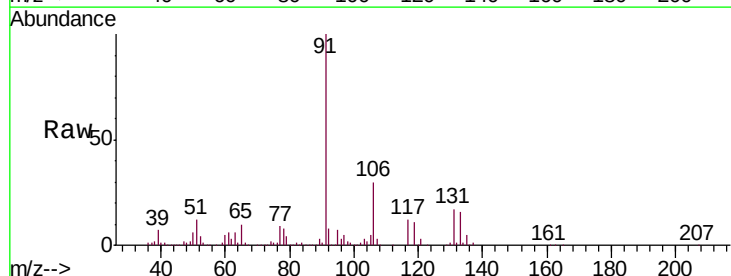
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

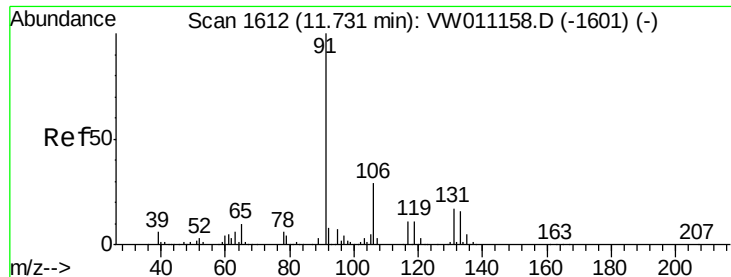
Tgt Ion:112 Resp: 137307
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.548 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion:131 Resp: 47956
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.8
119 65.4 33.1 99.2

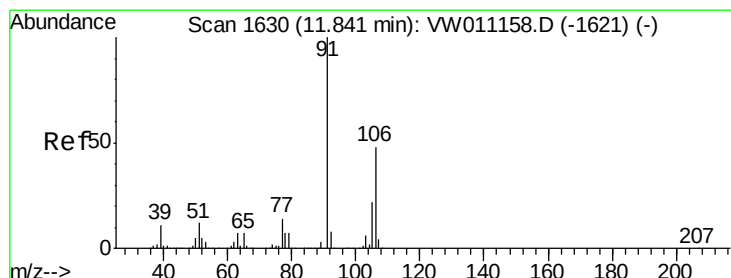
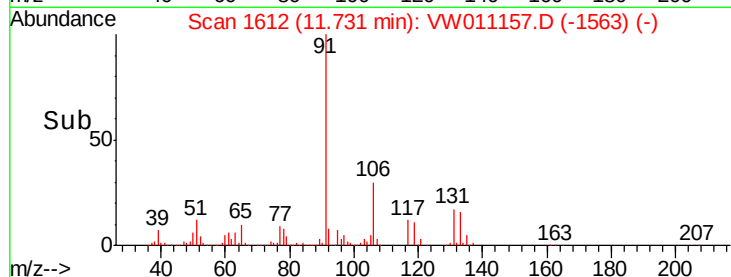
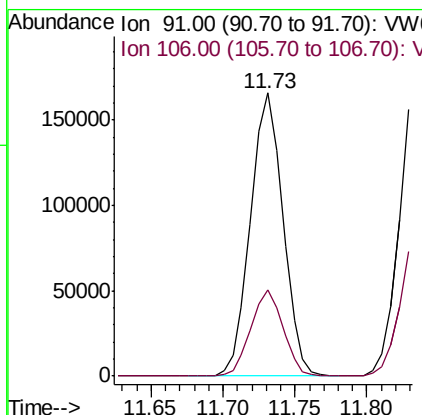
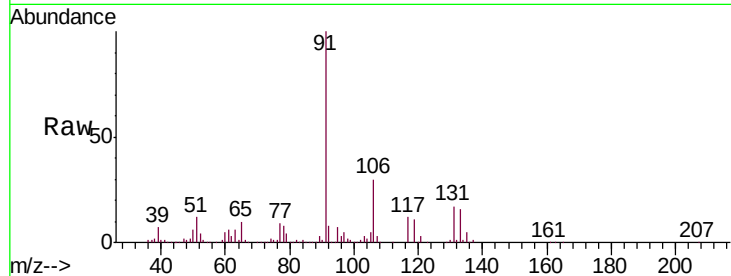




#67
Ethyl Benzene
Concen: 19.440 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

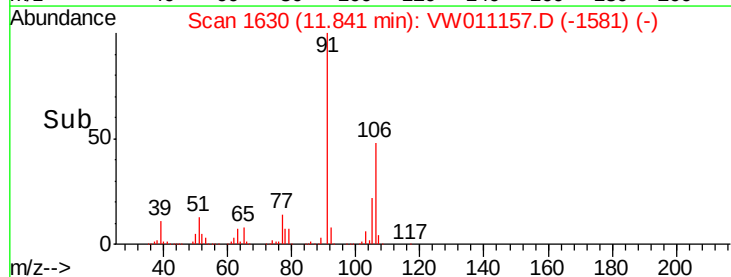
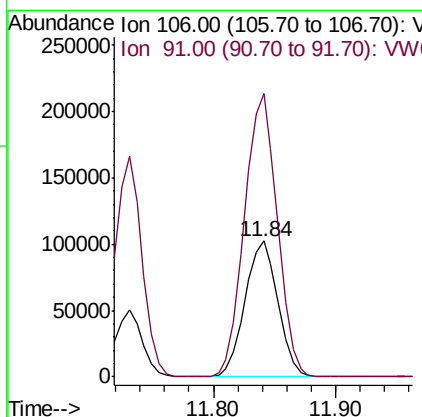
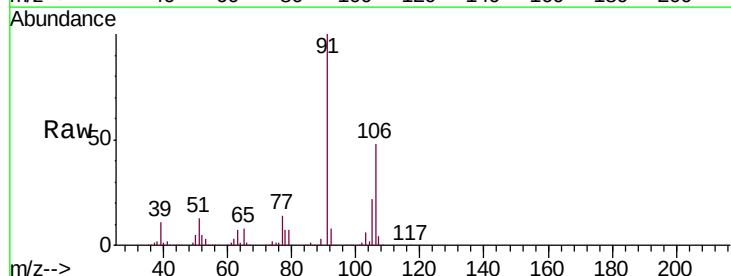
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

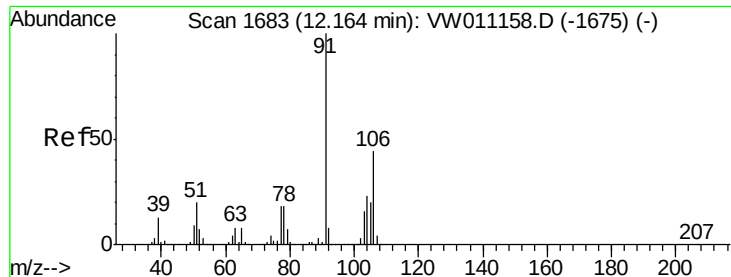
Tgt Ion: 91 Resp: 259295
Ion Ratio Lower Upper
91 100
106 30.3 23.5 35.3



#68
m/p-Xylenes
Concen: 39.556 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion: 106 Resp: 190910
Ion Ratio Lower Upper
106 100
91 208.7 167.7 251.5

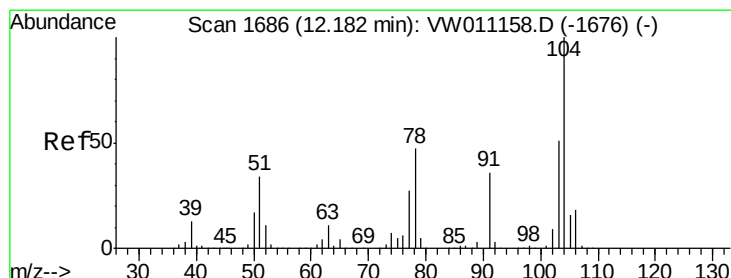
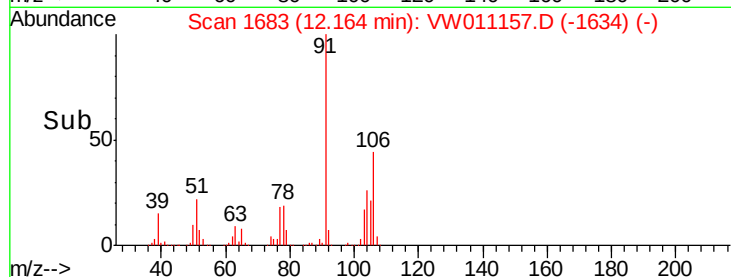
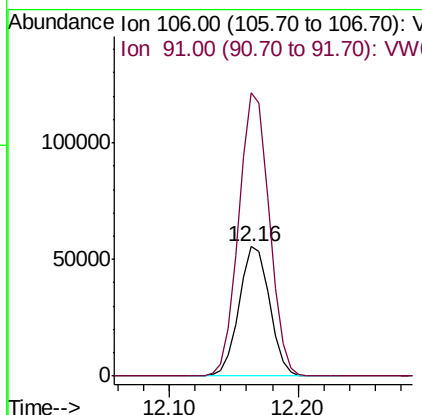
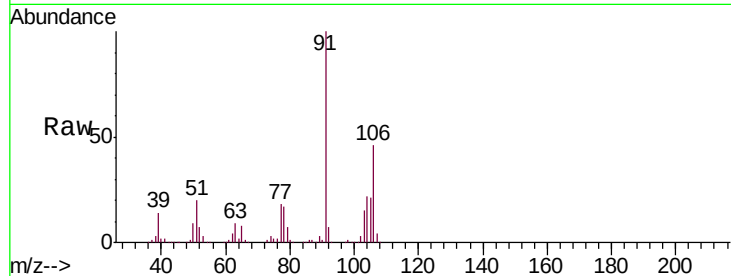




#69
o-Xylene
Concen: 19.884 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

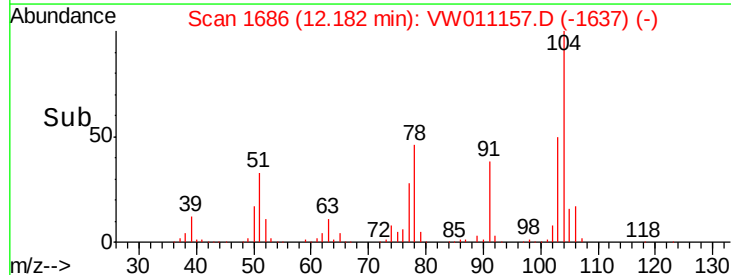
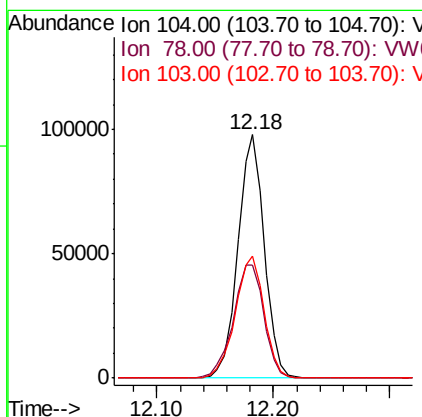
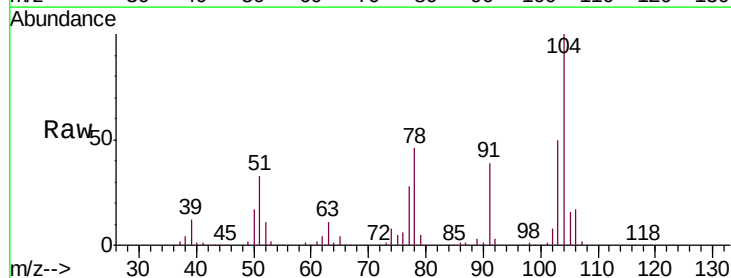
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

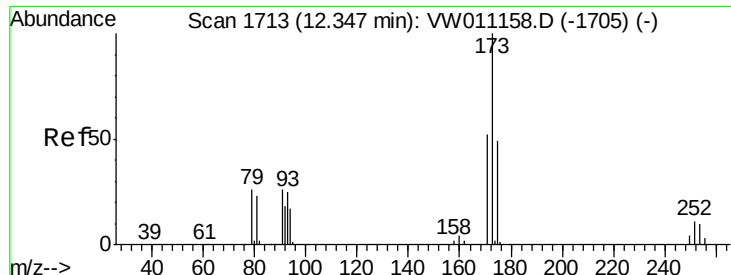
Tgt Ion:106 Resp: 90449
Ion Ratio Lower Upper
106 100
91 220.4 110.7 332.1



#70
Styrene
Concen: 19.687 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion:104 Resp: 154554
Ion Ratio Lower Upper
104 100
78 54.2 43.1 64.7
103 55.0 44.1 66.1





#71

Bromoform

Concen: 19.122 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

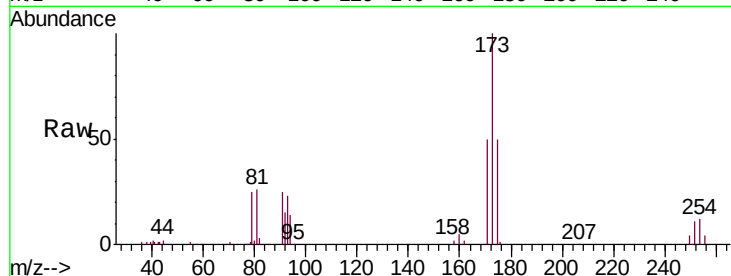
Tgt Ion:173 Resp: 24941

Ion Ratio Lower Upper

173 100

175 47.7 24.8 74.3

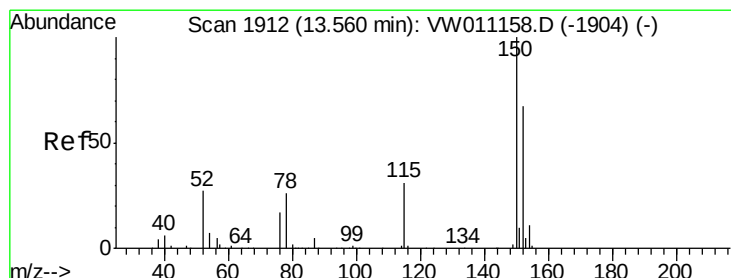
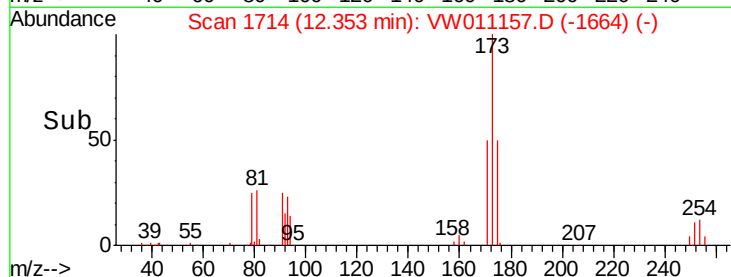
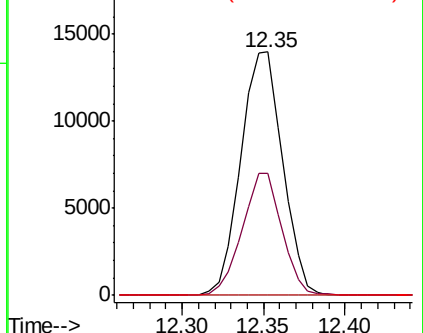
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

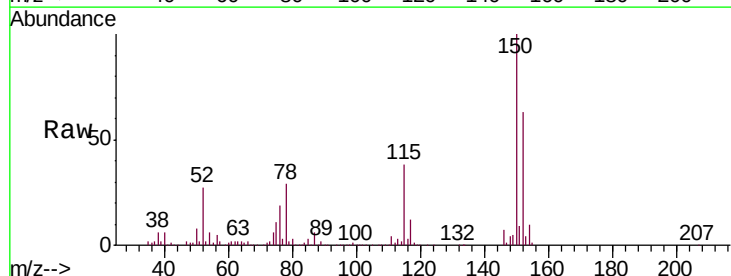
Tgt Ion:152 Resp: 170624

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

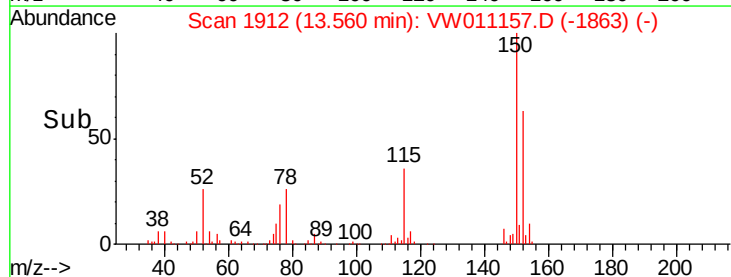
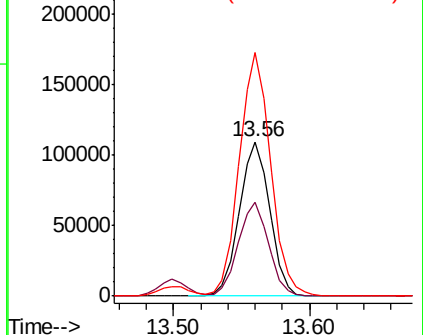
150 162.4 0.0 346.0

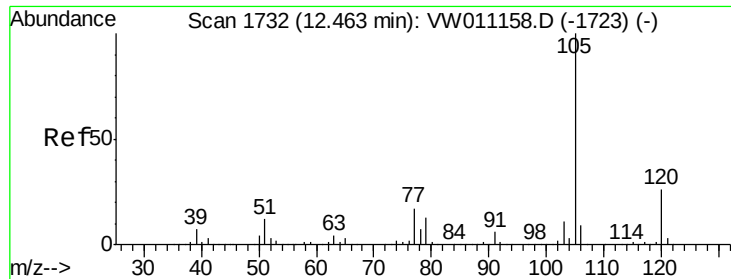


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.090 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

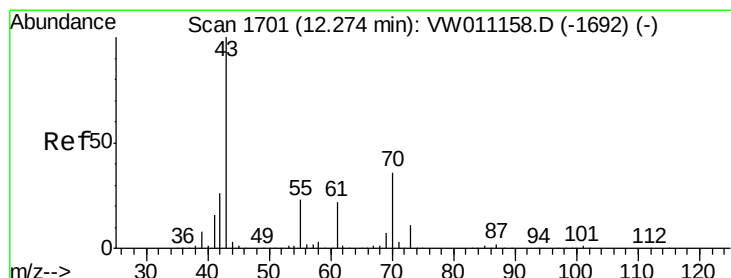
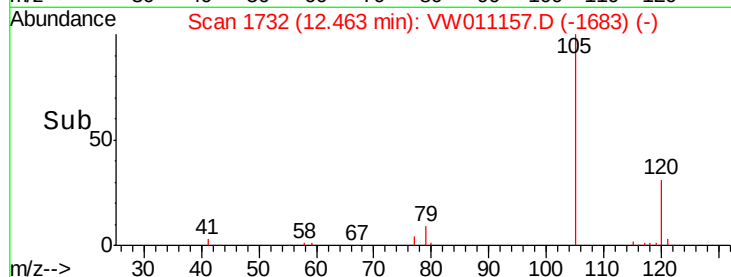
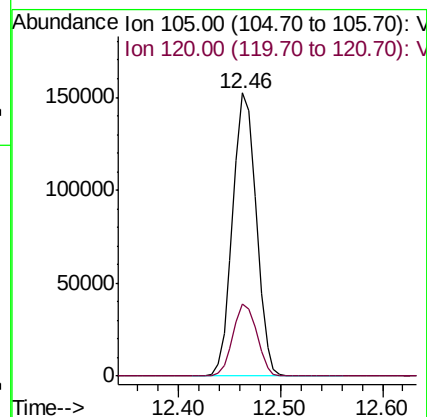
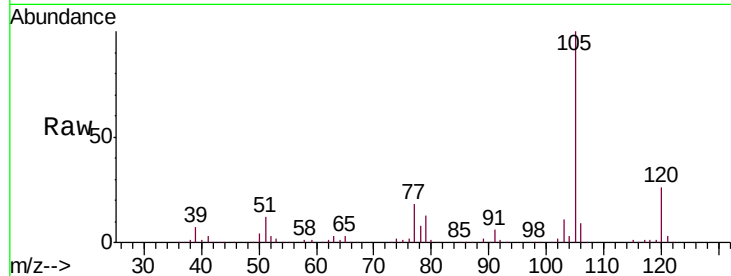
VSTDIC020

Tgt Ion:105 Resp: 243484

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3



#74

N-ethyl acetate

Concen: 19.641 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Tgt Ion: 43 Resp: 87247

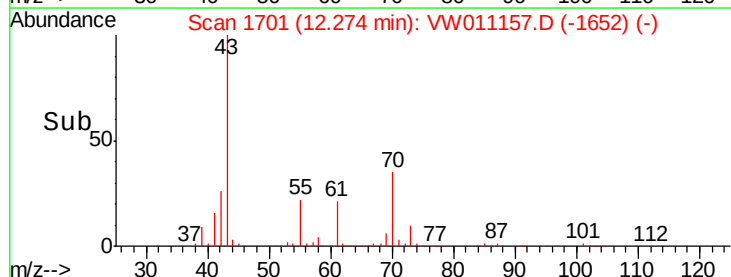
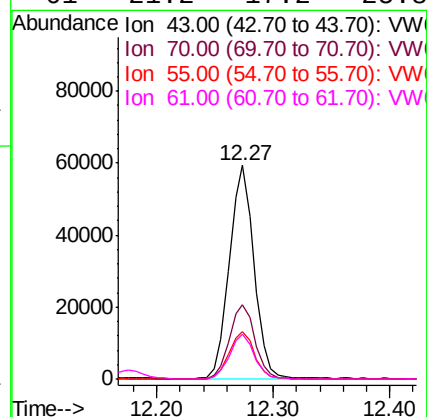
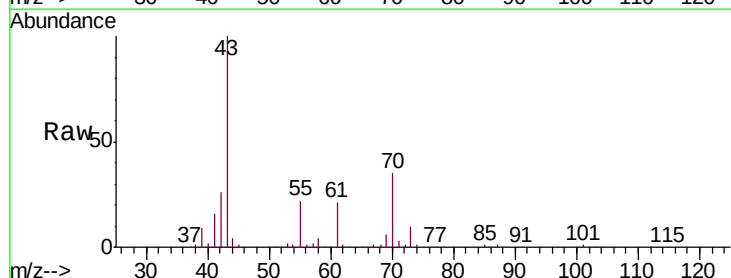
Ion Ratio Lower Upper

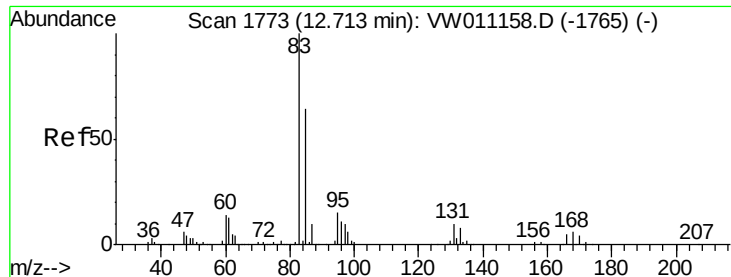
43 100

70 36.1 28.5 42.7

55 23.0 18.1 27.1

61 21.2 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.433 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

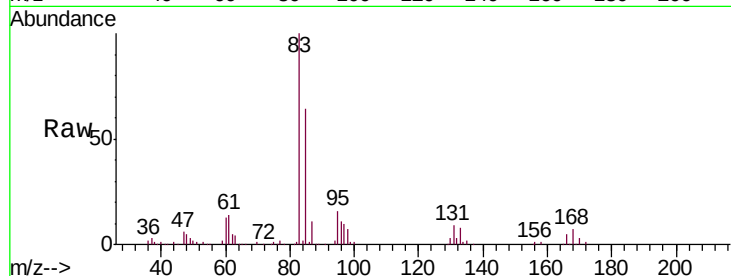
Tgt Ion: 83 Resp: 50808

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

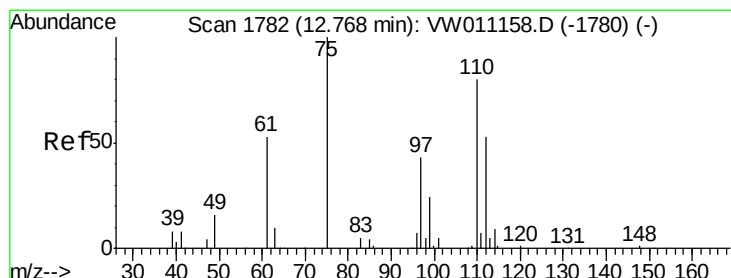
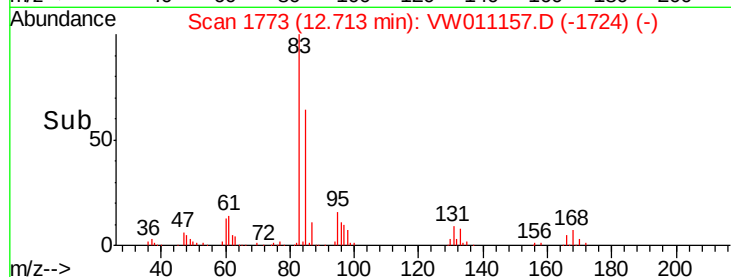
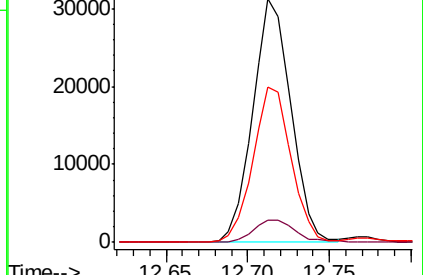
85 63.7 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.230 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011157.D

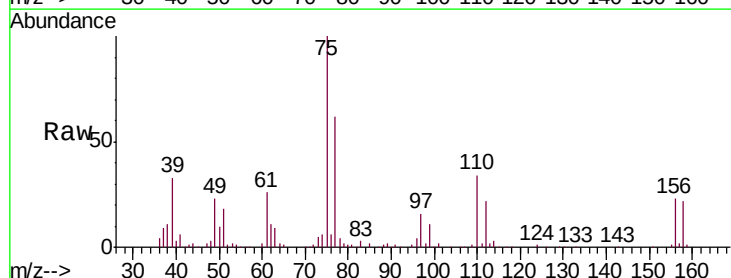
Acq: 08 Jul 2019 11:34

Tgt Ion: 75 Resp: 67676

Ion Ratio Lower Upper

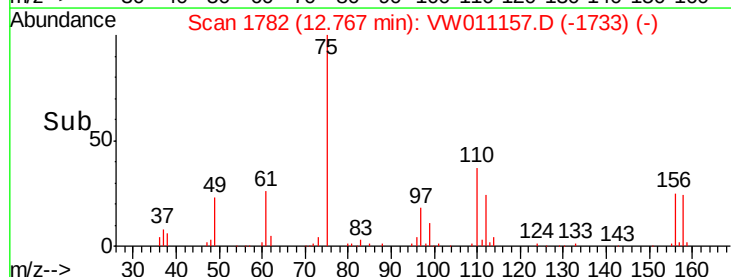
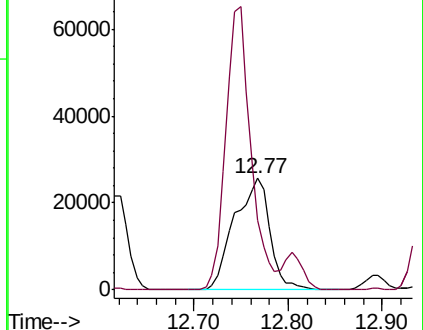
75 100

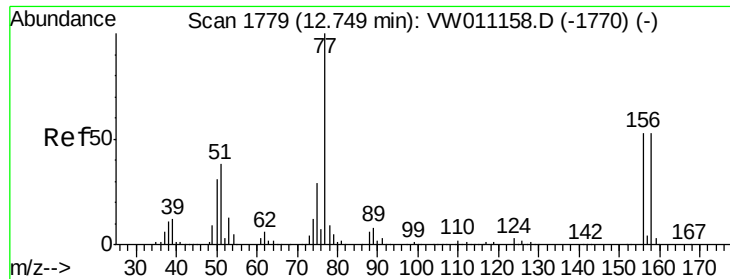
77 178.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.191 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

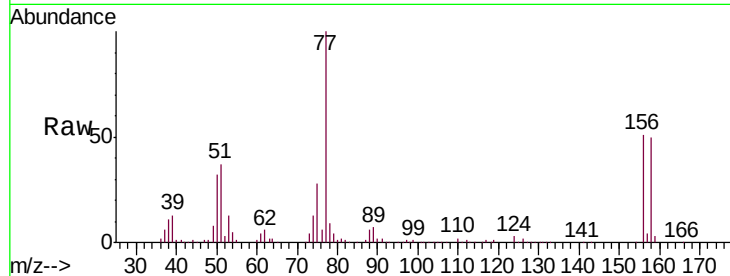
Tgt Ion:156 Resp: 54933

Ion Ratio Lower Upper

156 100

77 219.9 109.0 327.0

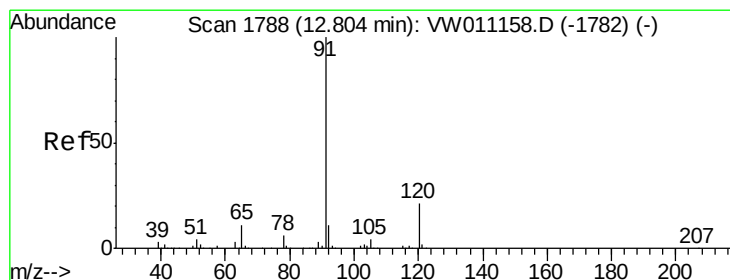
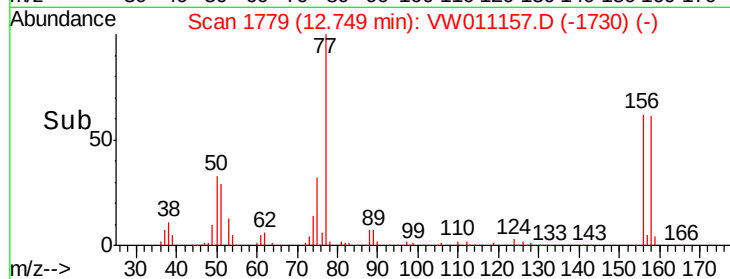
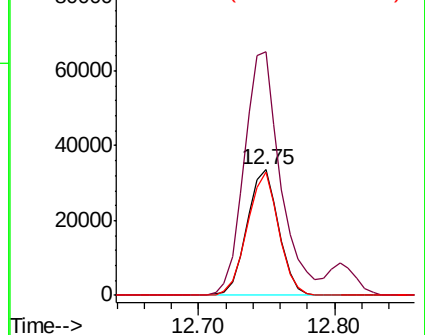
158 96.8 48.8 146.3



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: 19.310 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011157.D

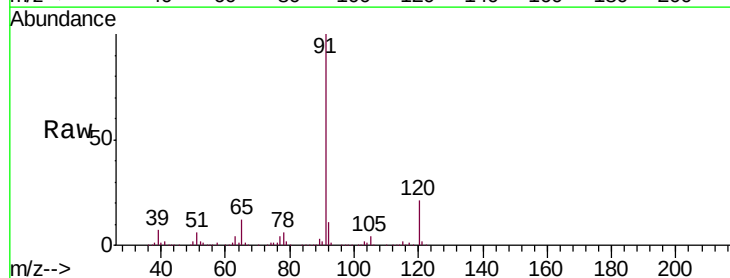
Acq: 08 Jul 2019 11:34

Tgt Ion: 91 Resp: 303397

Ion Ratio Lower Upper

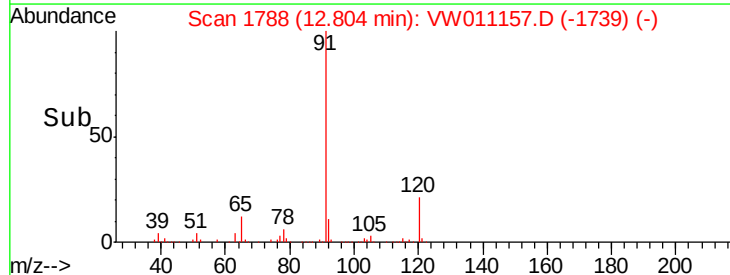
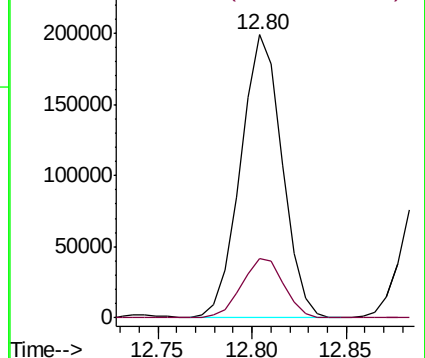
91 100

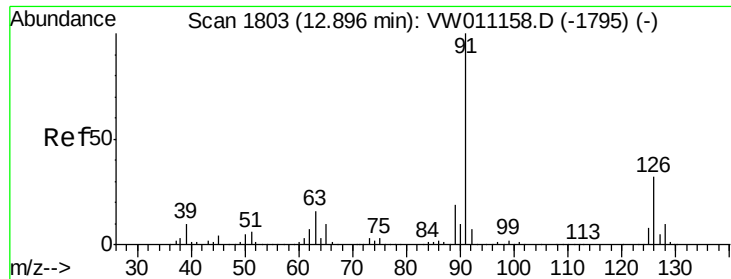
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.303 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

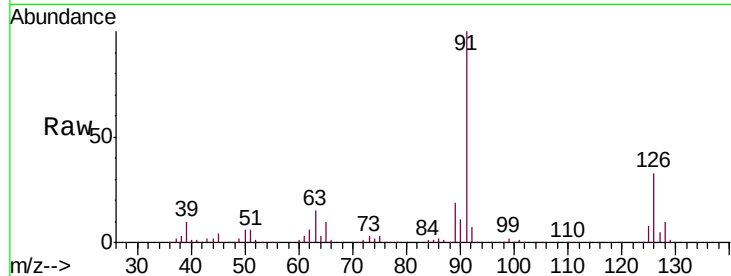
VSTDIC020

Tgt Ion: 91 Resp: 174526

Ion Ratio Lower Upper

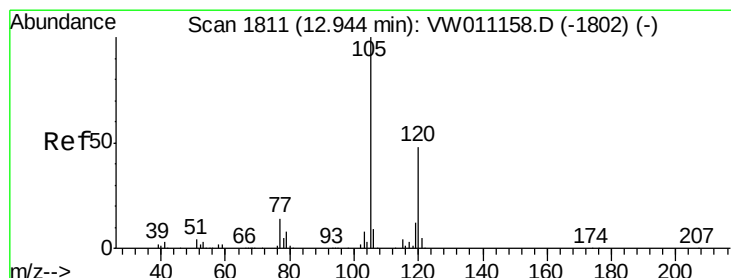
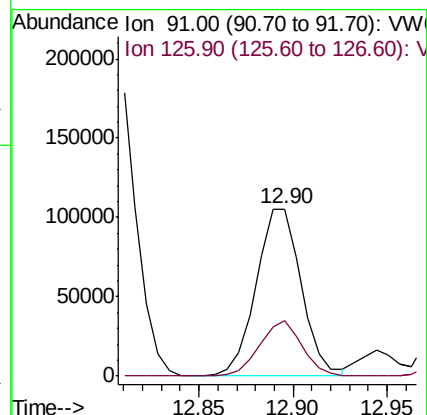
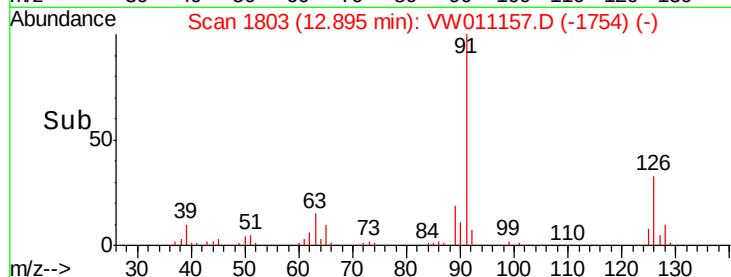
91 100

126 31.2 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.285 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011157.D

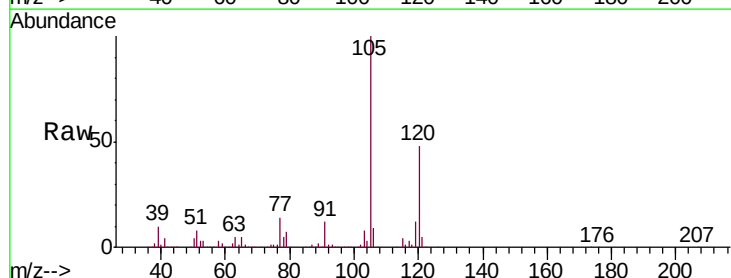
Acq: 08 Jul 2019 11:34

Tgt Ion: 105 Resp: 208965

Ion Ratio Lower Upper

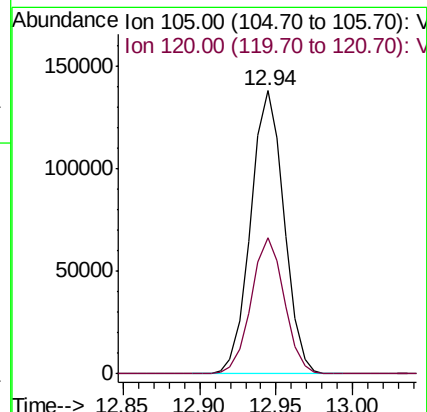
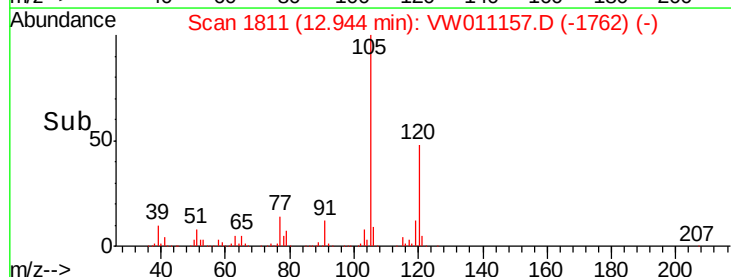
105 100

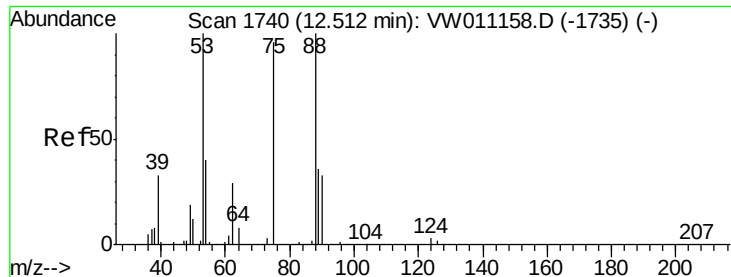
120 48.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.077 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

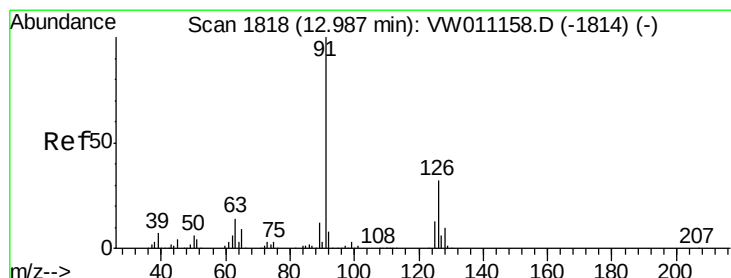
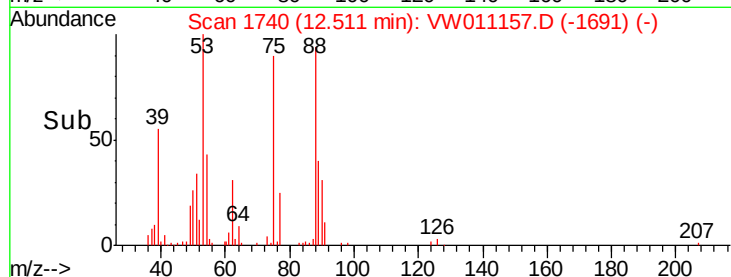
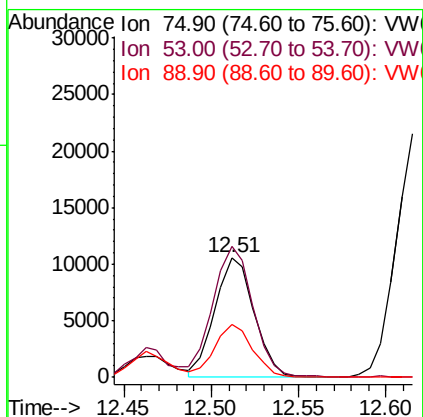
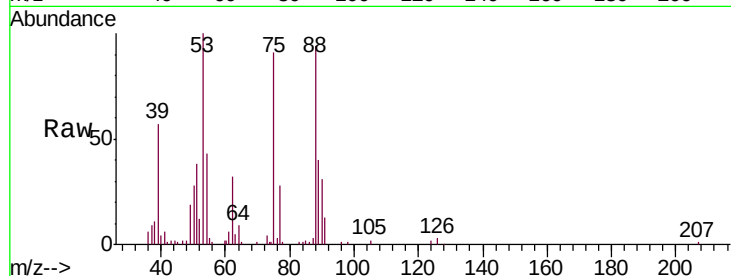
Tgt Ion: 75 Resp: 16631

Ion Ratio Lower Upper

75 100

53 113.2 89.8 134.6

89 42.7 34.3 51.5



#82

4-Chlorotoluene

Concen: 19.463 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011157.D

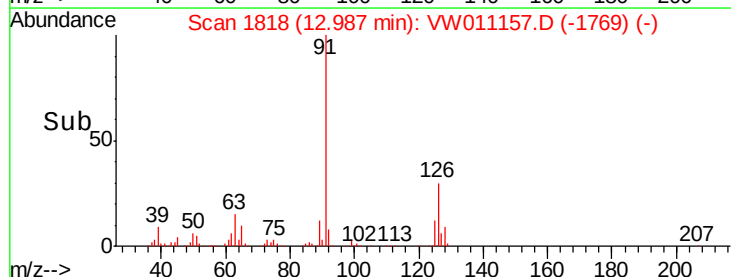
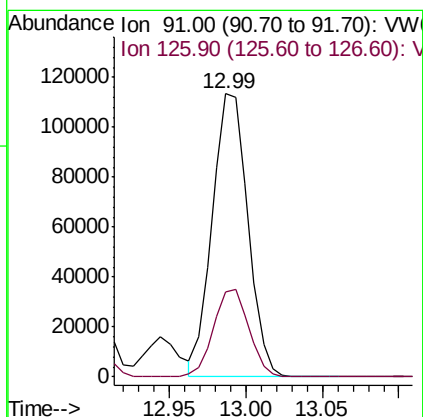
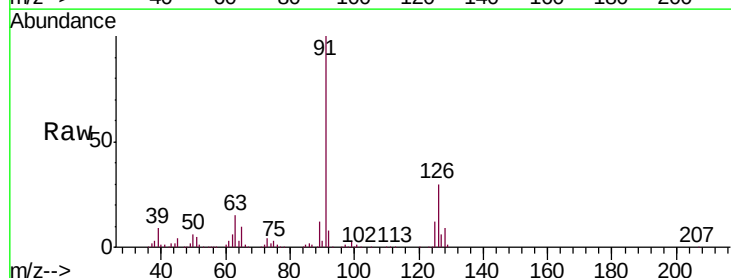
Acq: 08 Jul 2019 11:34

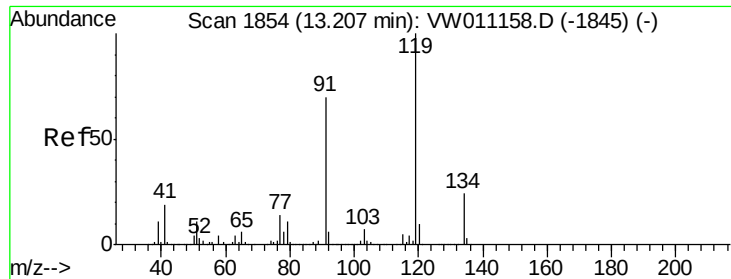
Tgt Ion: 91 Resp: 183287

Ion Ratio Lower Upper

91 100

126 30.9 15.7 47.1

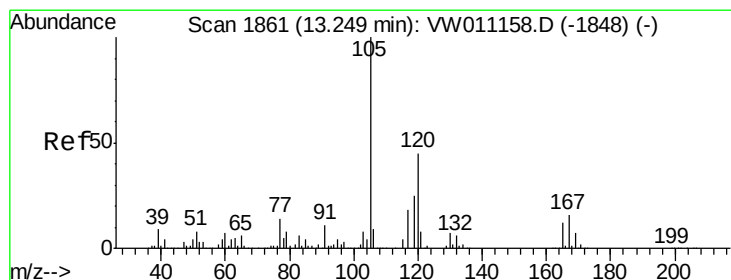
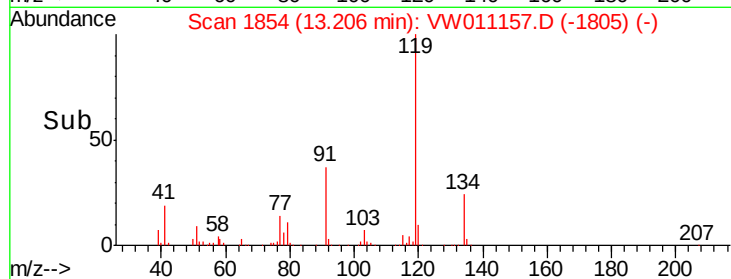
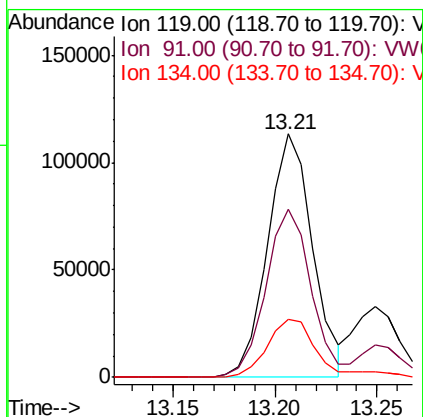
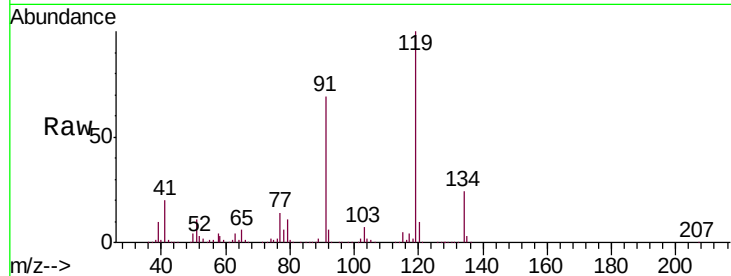




#83
 tert-Butylbenzene
 Concen: 19.334 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

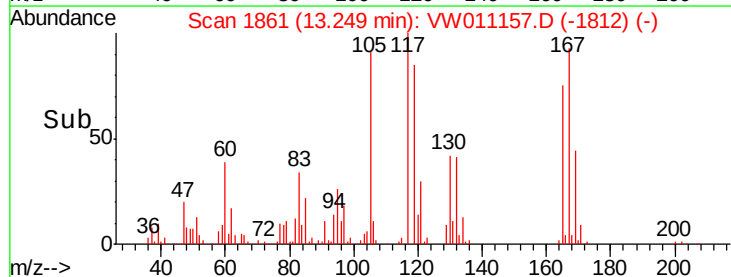
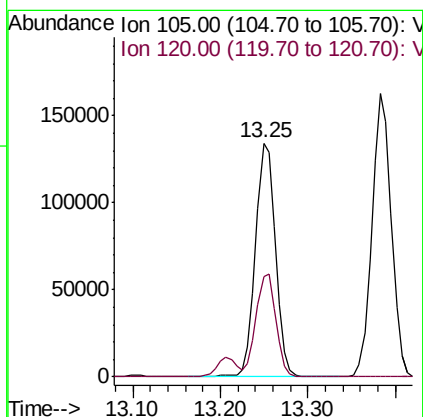
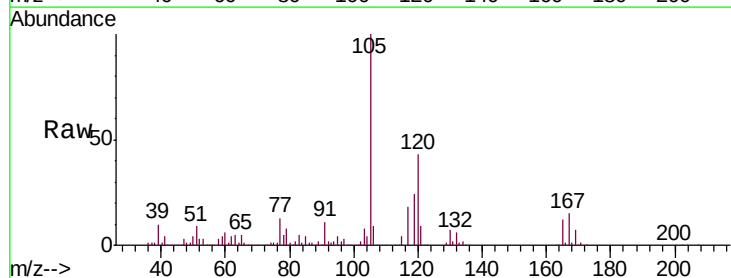
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

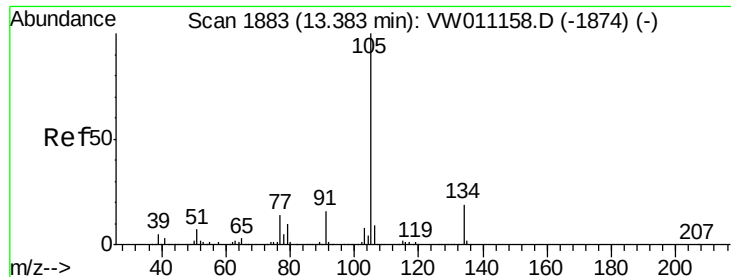
Tgt Ion:119 Resp: 174718
 Ion Ratio Lower Upper
 119 100
 91 70.1 35.4 106.3
 134 24.9 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 19.563 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion:105 Resp: 212859
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.3 66.9

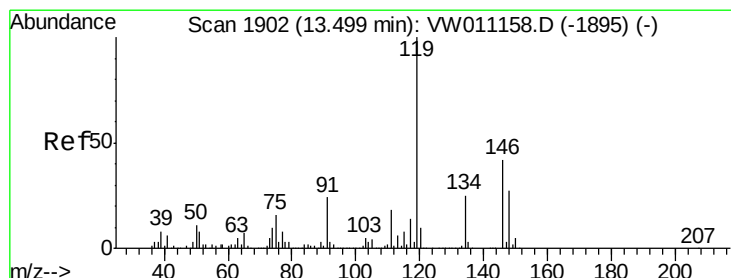
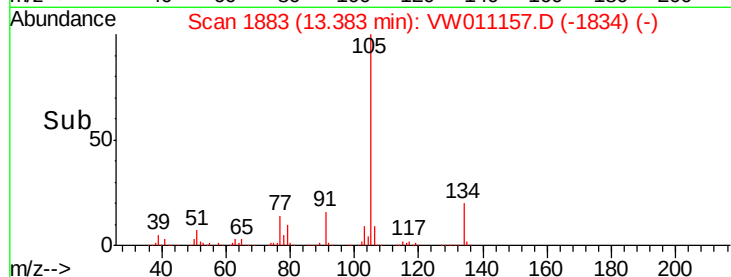
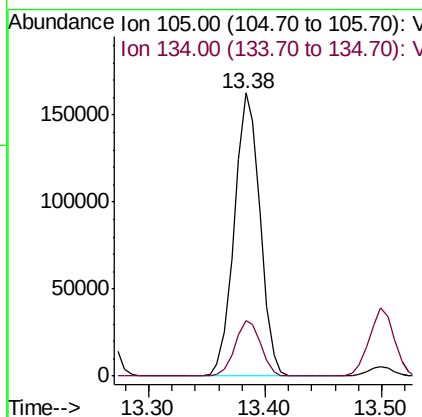
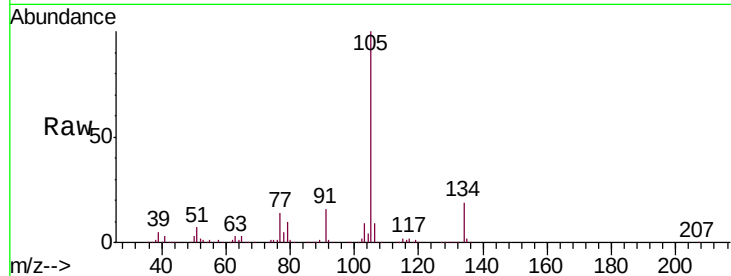




#85
 sec-Butylbenzene
 Concen: 19.191 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

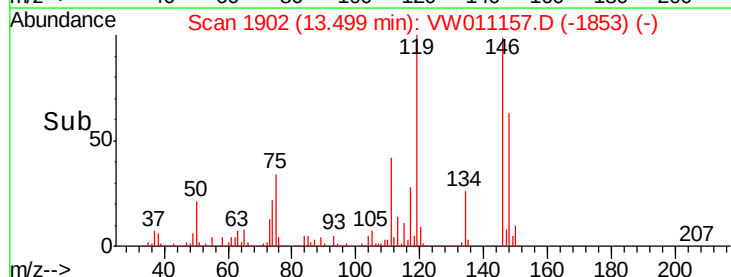
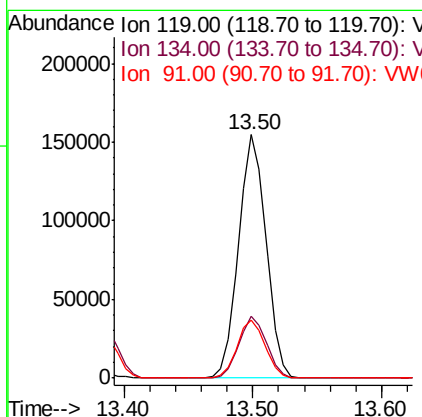
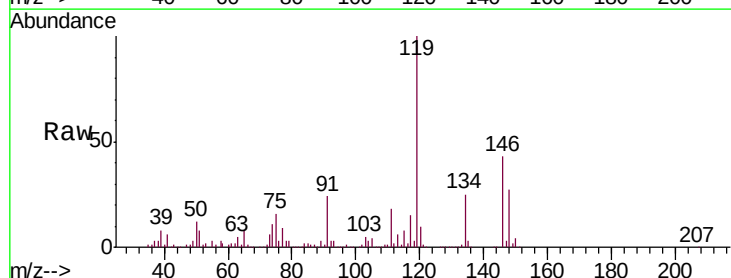
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

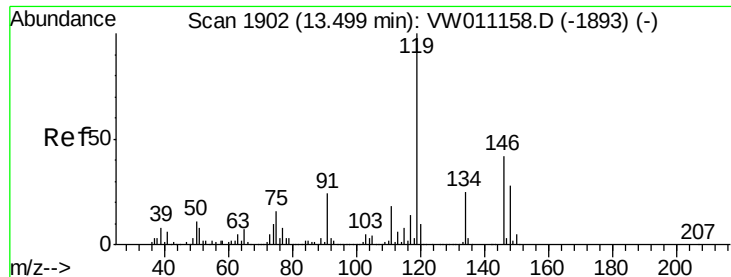
Tgt Ion:105 Resp: 250246
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 19.537 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion:119 Resp: 228496
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.6
 91 24.1 12.3 36.8

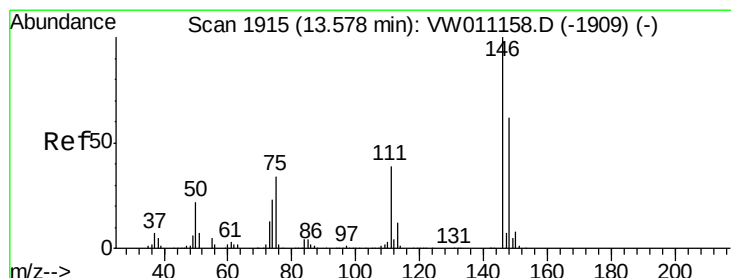
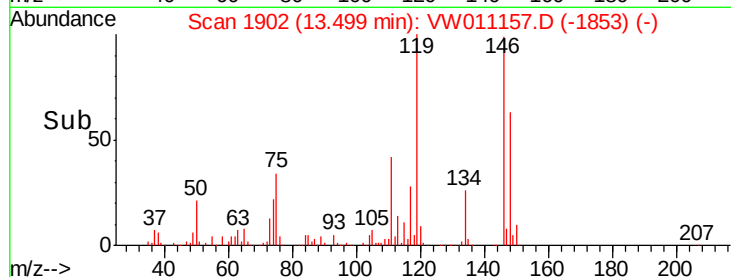
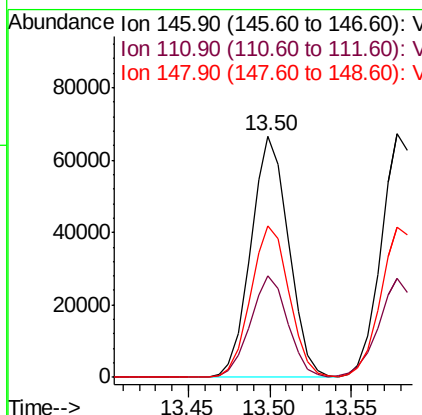
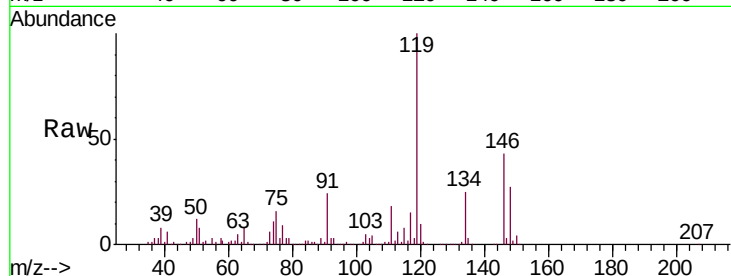




#87
 1,3-Dichlorobenzene
 Concen: 19.428 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

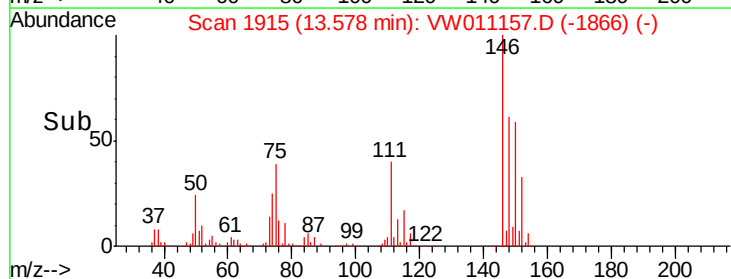
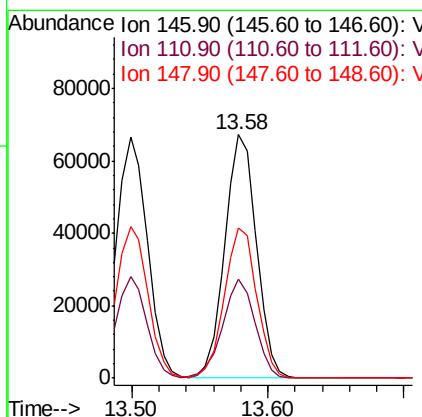
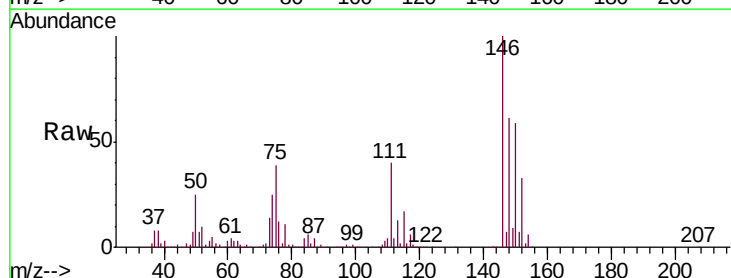
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

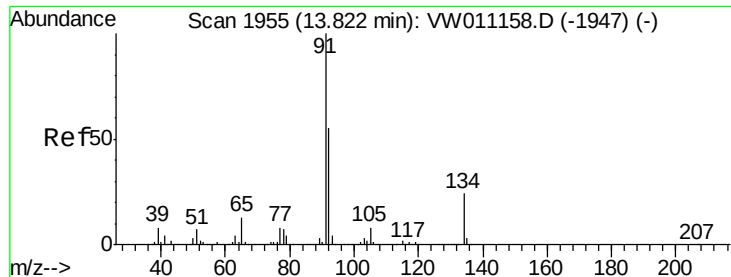
Tgt Ion:146 Resp: 106995
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.1 63.1
 148 64.1 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 19.550 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion:146 Resp: 108421
 Ion Ratio Lower Upper
 146 100
 111 41.6 19.9 59.7
 148 62.9 31.5 94.5





#89

n-Butylbenzene

Concen: 19.372 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011157.D

Acq: 08 Jul 2019 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

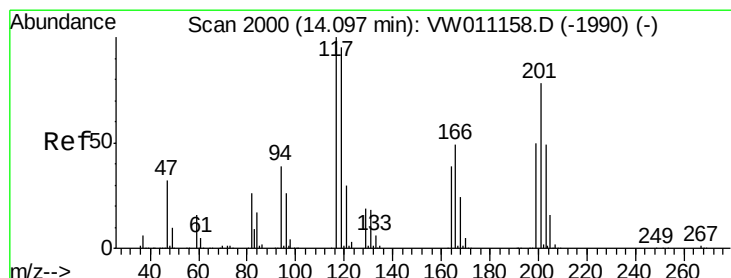
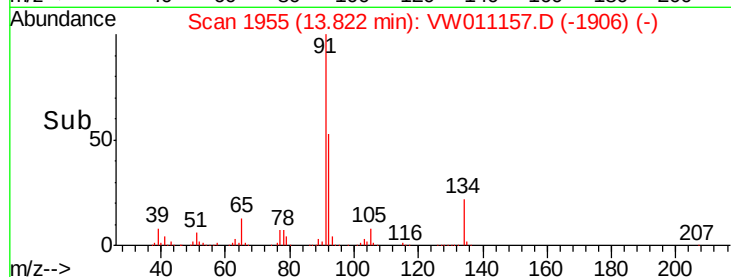
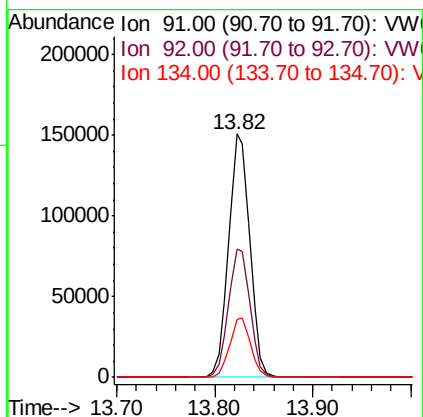
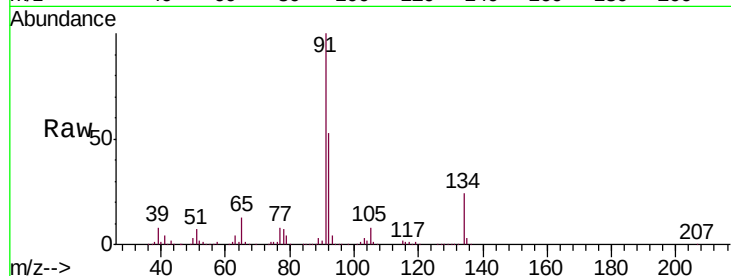
Tgt Ion: 91 Resp: 226027

Ion Ratio Lower Upper

91 100

92 53.6 26.9 80.7

134 24.0 12.2 36.4



#90

Hexachloroethane

Concen: 18.912 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW011157.D

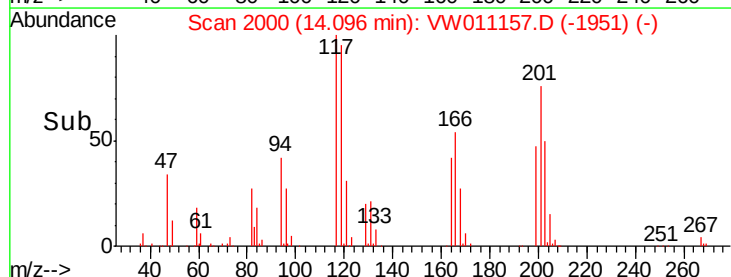
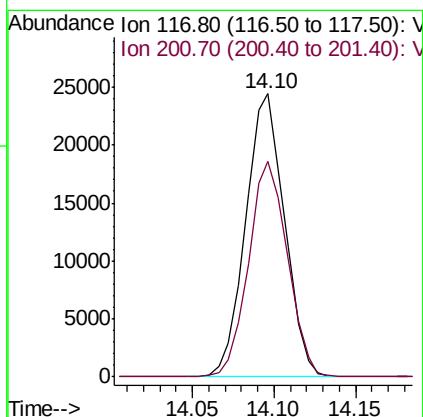
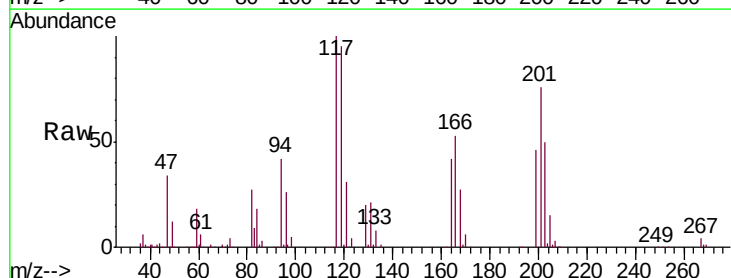
Acq: 08 Jul 2019 11:34

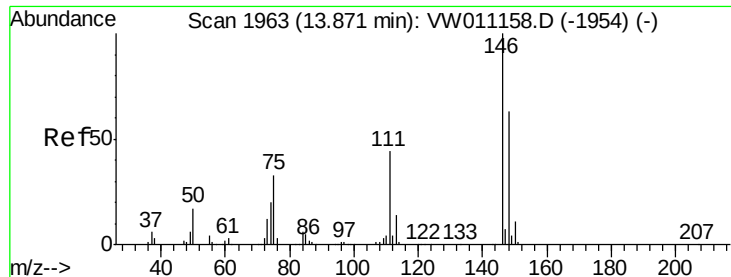
Tgt Ion: 117 Resp: 40419

Ion Ratio Lower Upper

117 100

201 76.3 38.3 114.8

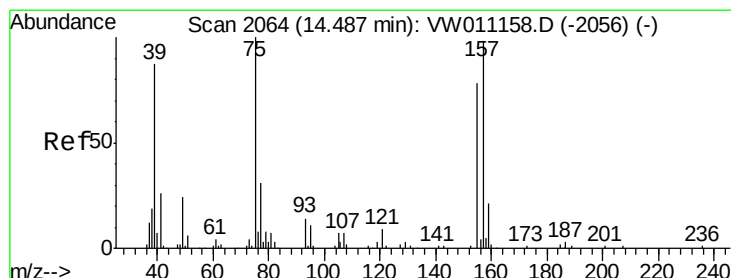
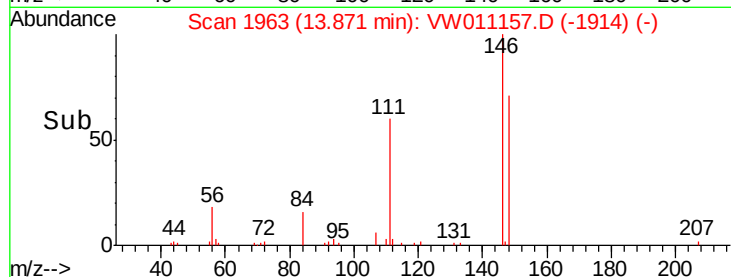
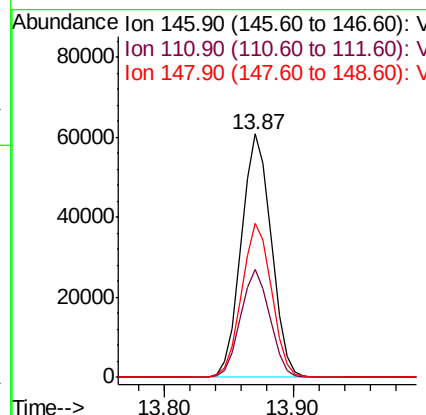
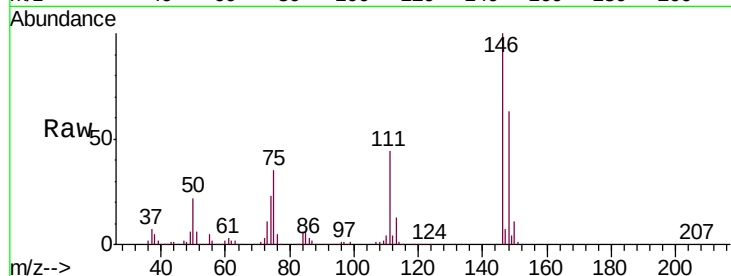




#91
 1,2-Dichlorobenzene
 Concen: 19.599 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

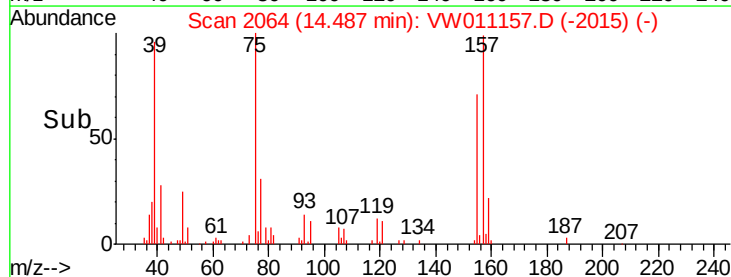
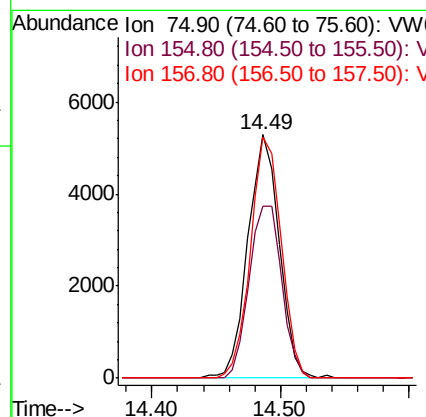
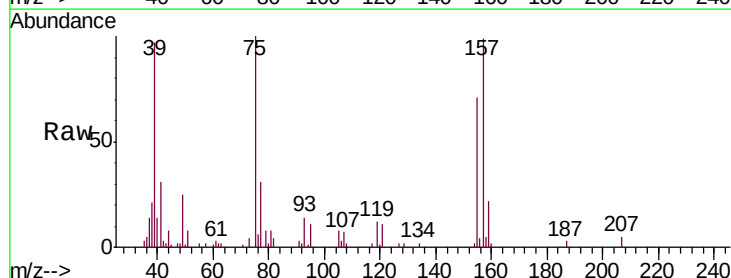
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

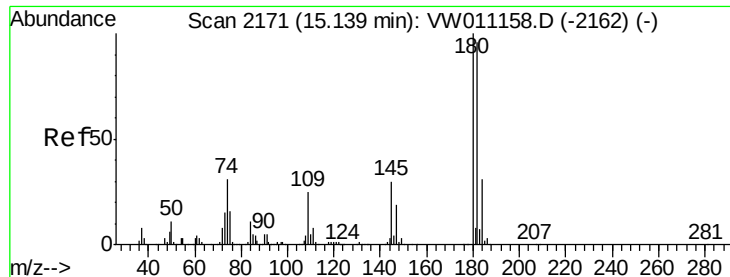
Tgt Ion: 146 Resp: 97921
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.6 65.0
 148 63.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.094 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion: 75 Resp: 8855
 Ion Ratio Lower Upper
 75 100
 155 73.7 37.1 111.3
 157 96.3 48.5 145.6

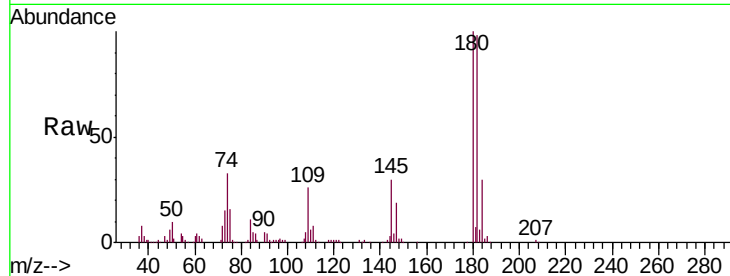




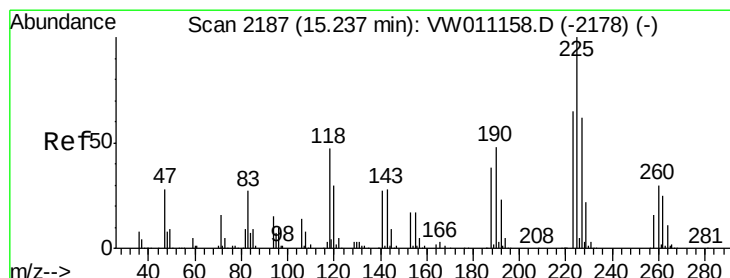
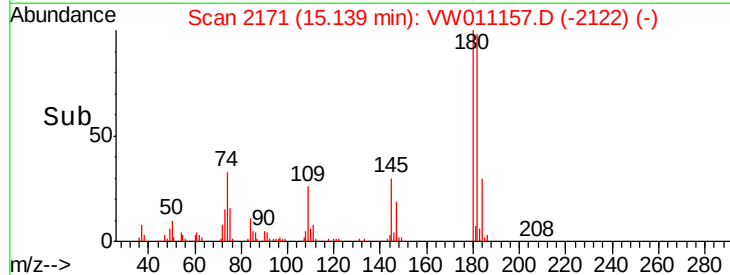
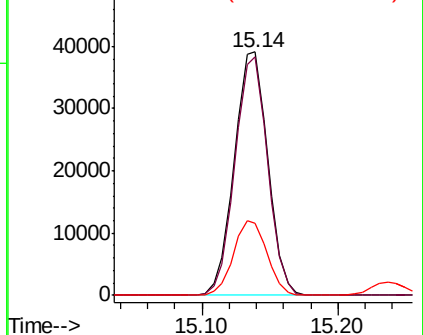
#93
 1,2,4-Trichlorobenzene
 Concen: 19.553 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 67288
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.3 144.9
 145 30.6 15.5 46.5

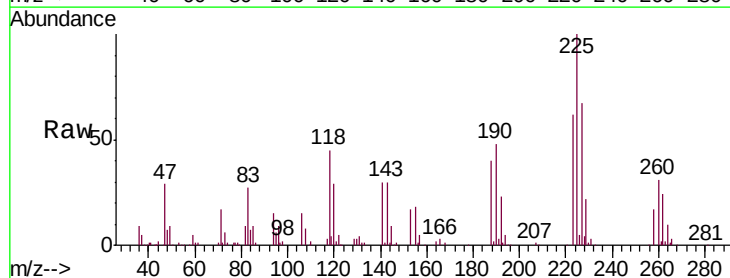


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

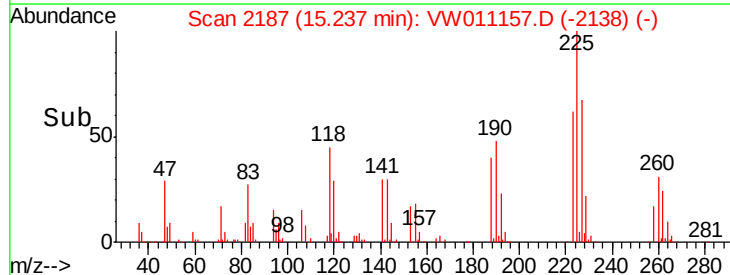
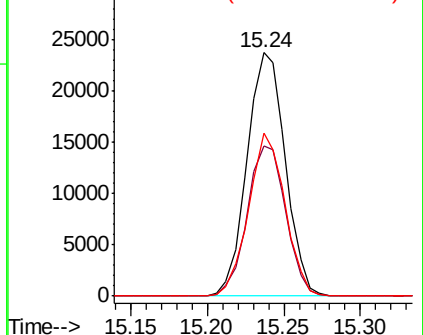


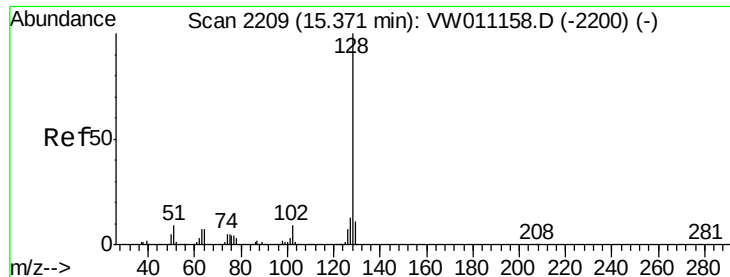
#94
 Hexachlorobutadiene
 Concen: 19.558 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011157.D
 Acq: 08 Jul 2019 11:34

Tgt Ion:225 Resp: 41320
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.6 95.0
 227 63.4 32.0 96.0



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

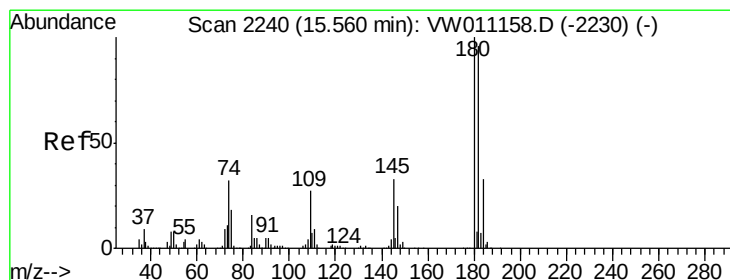
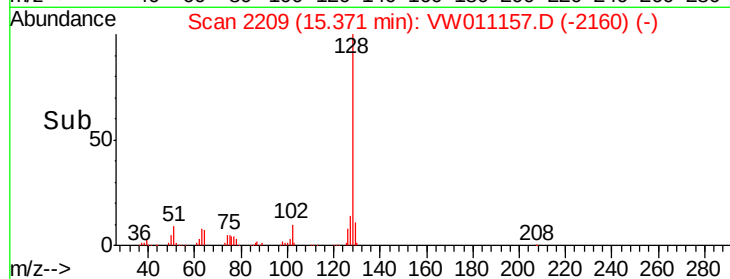
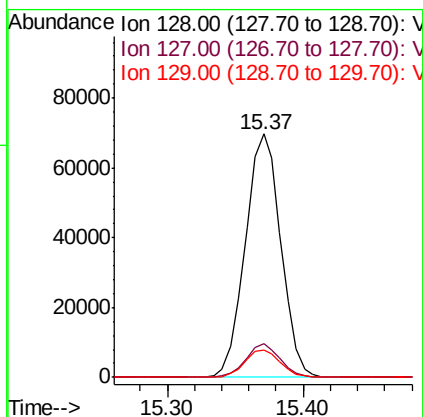
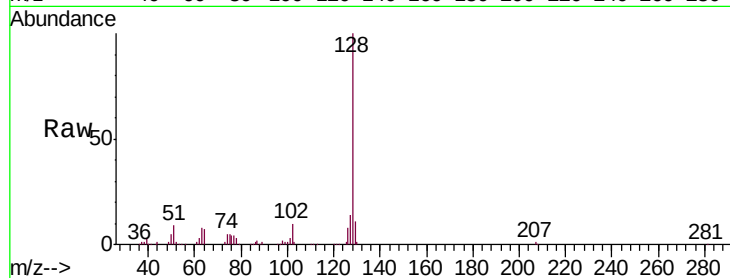




#95
Naphthalene
Concen: 19.331 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 127481
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.670 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011157.D
Acq: 08 Jul 2019 11:34

Tgt Ion:180 Resp: 59739
Ion Ratio Lower Upper
180 100
182 95.7 47.6 142.8
145 32.1 16.5 49.5

