

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011332.D
 Acq On : 18 Jul 2019 14:09
 Operator : SY/VA
 Sample : VW0718SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:44:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	188699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	306790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129065	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	102908	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
35) Dibromofluoromethane	7.88	113	84700	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
50) Toluene-d8	10.32	98	346930	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
62) 4-Bromofluorobenzene	12.62	95	121468	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30766	21.861	ug/l	98
3) Chloromethane	2.21	50	38362	21.154	ug/l	100
4) Vinyl Chloride	2.36	62	49695	20.937	ug/l	94
5) Bromomethane	2.76	94	24446	20.497	ug/l	95
6) Chloroethane	2.90	64	26073	20.395	ug/l	99
7) Trichlorofluoromethane	3.24	101	15705	18.626	ug/l	96
8) Diethyl Ether	3.68	74	22340	19.148	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42848	21.215	ug/l	99
10) Methyl Iodide	4.26	142	56042	20.175	ug/l	98
11) Tert butyl alcohol	5.17	59	17510	99.746	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	42623	20.333	ug/l	95
13) Acrolein	3.89	56	11223	80.287	ug/l	100
14) Allyl chloride	4.66	41	80612	21.088	ug/l	100
15) Acrylonitrile	5.36	53	56386	94.897	ug/l	98
16) Acetone	4.12	43	55549	97.368	ug/l	96
17) Carbon Disulfide	4.37	76	121850	19.173	ug/l	100
18) Methyl Acetate	4.66	43	37008	22.020	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	59097	18.580	ug/l	99
20) Methylene Chloride	4.90	84	52605	23.374	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	45002	20.660	ug/l	96
22) Diisopropyl ether	6.31	45	164214	19.973	ug/l	99
23) Vinyl Acetate	6.25	43	458476	90.106	ug/l	99
24) 1,1-Dichloroethane	6.20	63	89587	20.751	ug/l	98
25) 2-Butanone	7.17	43	84504	94.360	ug/l	98
26) 2,2-Dichloropropane	7.16	77	48207	21.481	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	48415	20.605	ug/l	98
28) Bromochloromethane	7.51	49	36998	18.847	ug/l #	97
29) Tetrahydrofuran	7.52	42	50677	86.300	ug/l	98
30) Chloroform	7.67	83	82026	20.515	ug/l	100
31) Cyclohexane	7.95	56	94228	20.515	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	62407	20.519	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68580	20.992	ug/l	99
37) Ethyl Acetate	7.24	43	37162	18.932	ug/l	99
38) Carbon Tetrachloride	8.06	117	57637	20.811	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81368	20.549	ug/l	99
40) Benzene	8.32	78	188870	20.919	ug/l	99
41) Methacrylonitrile	7.48	41	20199	17.992	ug/l	99
42) 1,2-Dichloroethane	8.40	62	58606	20.010	ug/l	100
43) Isopropyl Acetate	8.42	43	66129	17.844	ug/l	97
44) Trichloroethene	9.09	130	45305	20.852	ug/l	100
45) 1,2-Dichloropropane	9.37	63	50360	20.597	ug/l	97
46) Dibromomethane	9.45	93	22310	19.425	ug/l	99
47) Bromodichloromethane	9.64	83	56863	19.350	ug/l	100
48) Methyl methacrylate	9.43	41	31367	17.593	ug/l	96
49) 1,4-Dioxane	9.45	88	6659	347.350	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	177046	91.454	ug/l	98
52) Toluene	10.38	92	114604	20.925	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	56594	18.092	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	69760	18.947	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31251	19.180	ug/l	96
56) Ethyl methacrylate	10.65	69	44651	18.000	ug/l	97
57) 1,3-Dichloropropane	10.93	76	59838	19.421	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	85319	74.188	ug/l	100
59) 2-Hexanone	10.97	43	119908	89.314	ug/l	100
60) Dibromochloromethane	11.13	129	33814	18.925	ug/l	98
61) 1,2-Dibromoethane	11.23	107	29617	19.190	ug/l	99
64) Tetrachloroethene	10.86	164	38028	21.191	ug/l	98
65) Chlorobenzene	11.66	112	112192	20.750	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	38471	20.208	ug/l	99
67) Ethyl Benzene	11.73	91	218555	21.115	ug/l	98
68) m/p-Xylenes	11.84	106	157073	41.938	ug/l	98
69) o-Xylene	12.16	106	73187	20.733	ug/l	98
70) Styrene	12.18	104	125959	20.675	ug/l	99
71) Bromoform	12.35	173	17878	17.663	ug/l #	99
73) Isopropylbenzene	12.46	105	204776	21.225	ug/l	100
74) N-amyl acetate	12.27	43	60990	18.151	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	38600	19.517	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	48549	32.550	ug/l #	100
77) Bromobenzene	12.74	156	43782	20.221	ug/l	98
78) n-propylbenzene	12.80	91	252969	21.285	ug/l	100
79) 2-Chlorotoluene	12.89	91	144837	21.177	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	172129	21.000	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10406	15.780	ug/l	94
82) 4-Chlorotoluene	12.99	91	148480	20.844	ug/l	100
83) tert-Butylbenzene	13.21	119	144484	21.136	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	173475	21.078	ug/l	100
85) sec-Butylbenzene	13.38	105	210356	21.326	ug/l	100
86) p-Isopropyltoluene	13.50	119	187410	21.183	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	88824	21.322	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	87853	20.943	ug/l	98
89) n-Butylbenzene	13.82	91	186029	21.078	ug/l	99
90) Hexachloroethane	14.10	117	31861	19.708	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	78141	20.676	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6087	17.352	ug/l	97

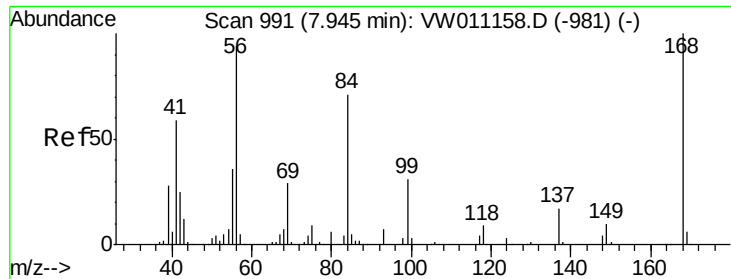
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	52465	20.155	ug/l	97
94) Hexachlorobutadiene	15.24	225	34000	21.275	ug/l	99
95) Naphthalene	15.37	128	88840	17.810	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	44964	19.572	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

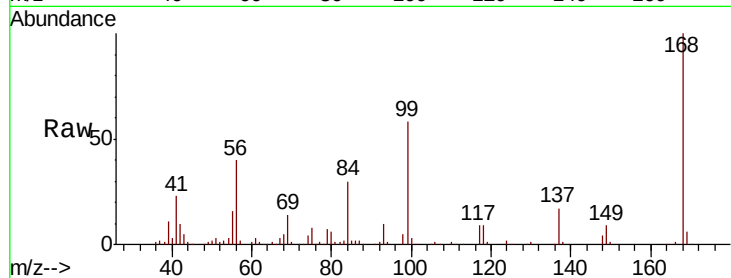
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 188699

Ion Ratio Lower Upper

168 100

99 57.8 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

100000

80000

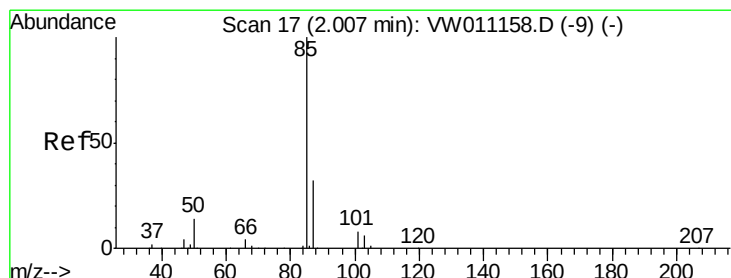
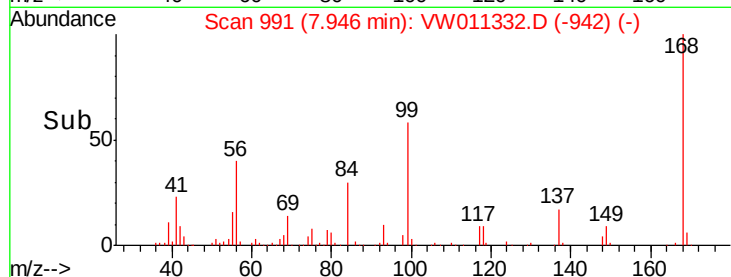
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.861 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011332.D

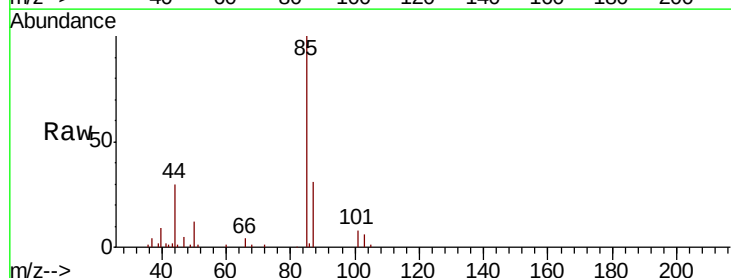
Acq: 18 Jul 2019 14:09

Tgt Ion: 85 Resp: 30766

Ion Ratio Lower Upper

85 100

87 30.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

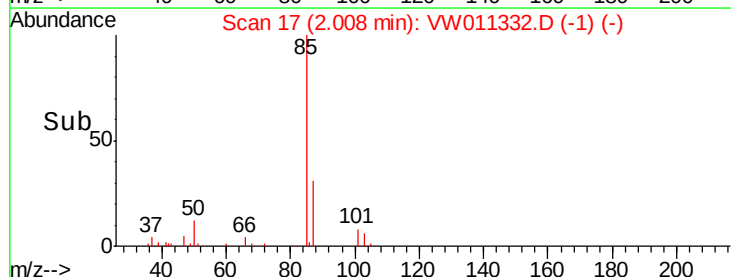
6000

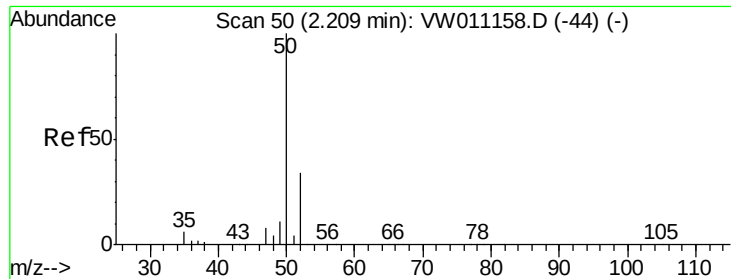
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.154 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

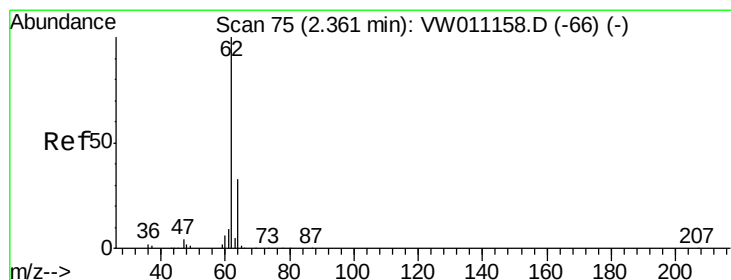
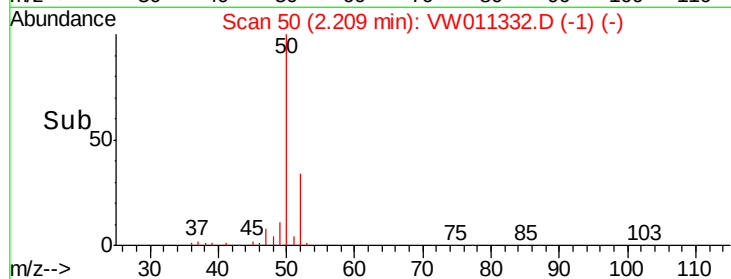
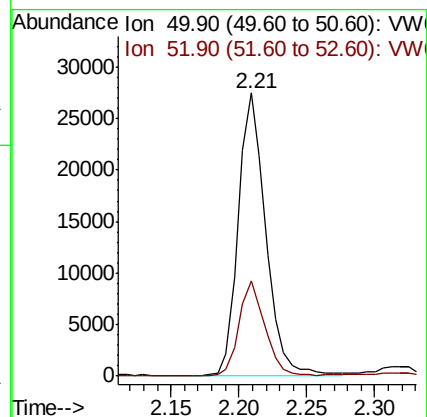
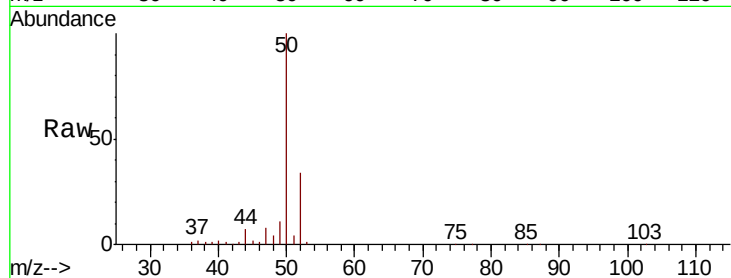
ClientSampled :

Tot Ion: 50 Resp: 38362

Ion Ratio Lower Upper

50 100

52 33.8 26.9 40.3



#4

Vinyl Chloride

Concen: 20.937 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011332.D

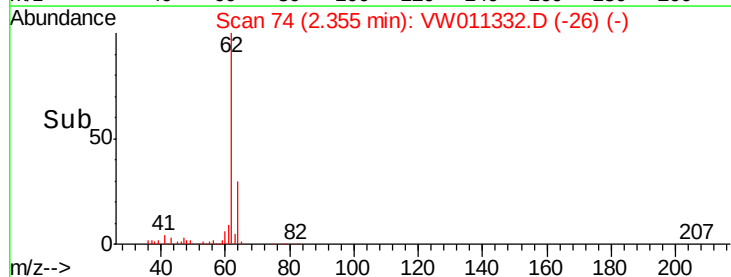
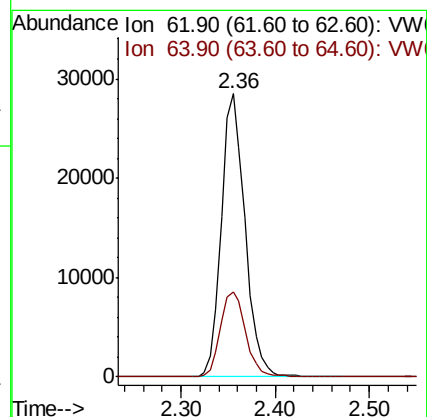
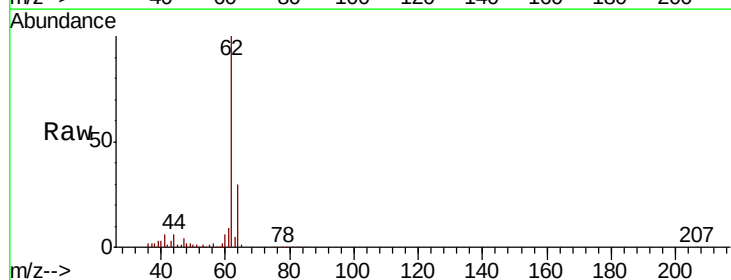
Acq: 18 Jul 2019 14:09

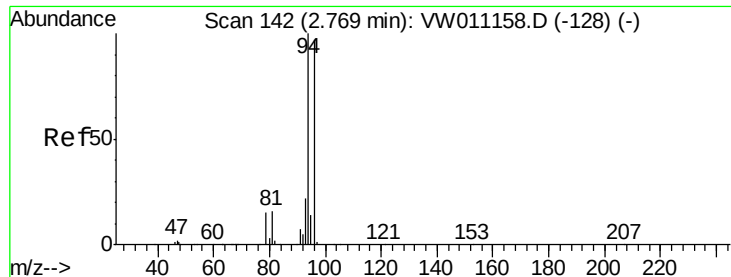
Tgt Ion: 62 Resp: 49695

Ion Ratio Lower Upper

62 100

64 30.2 26.6 40.0





#5

Bromomethane

Concen: 20.497 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

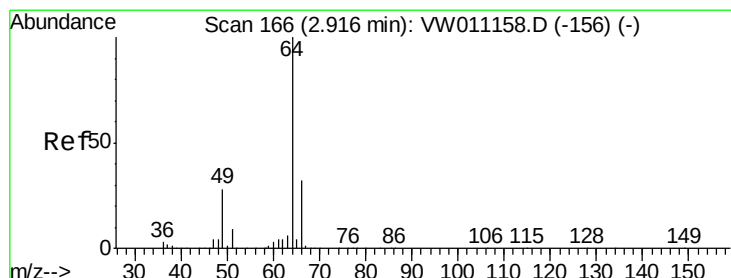
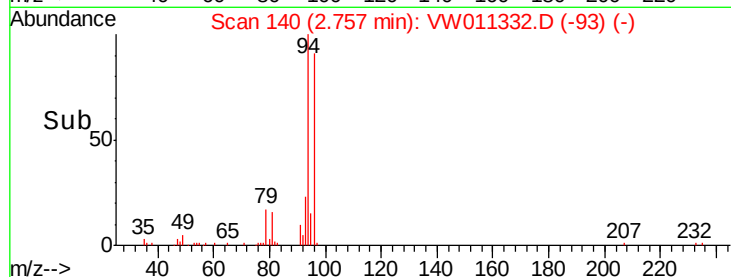
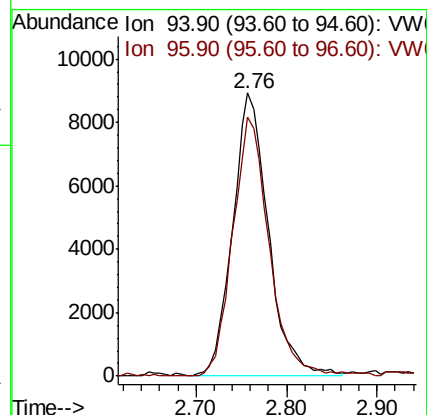
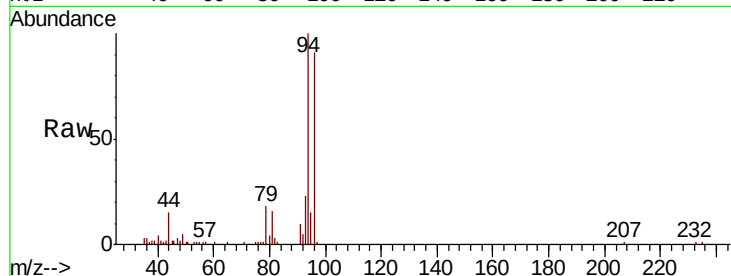
ClientSampleId :

Tot Ion: 94 Resp: 24446

Ion Ratio Lower Upper

94 100

96 91.3 77.4 116.0



#6

Chloroethane

Concen: 20.395 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW011332.D

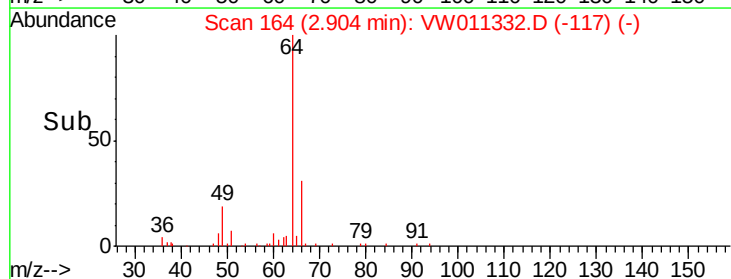
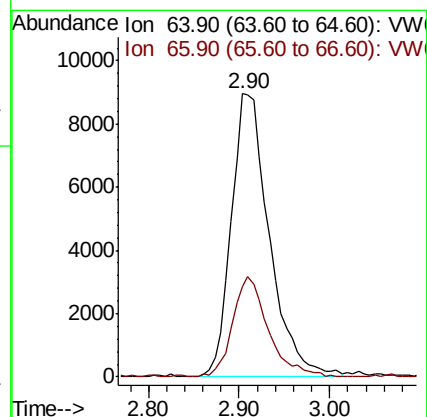
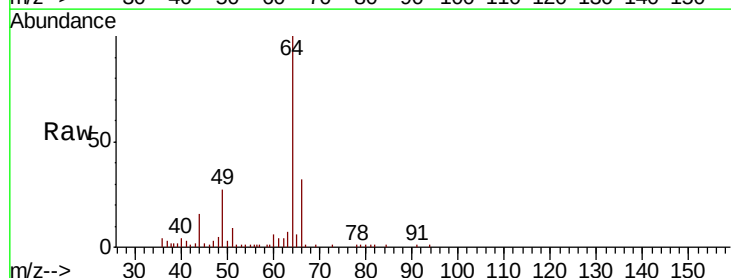
Acq: 18 Jul 2019 14:09

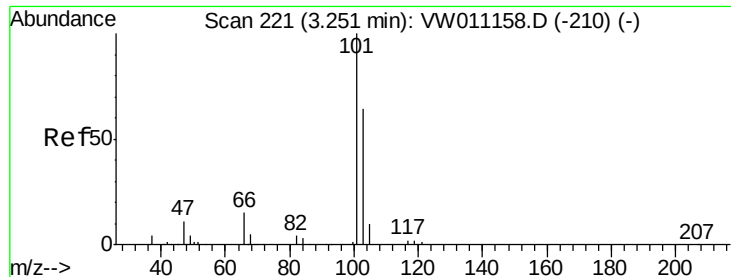
Tgt Ion: 64 Resp: 26073

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.8



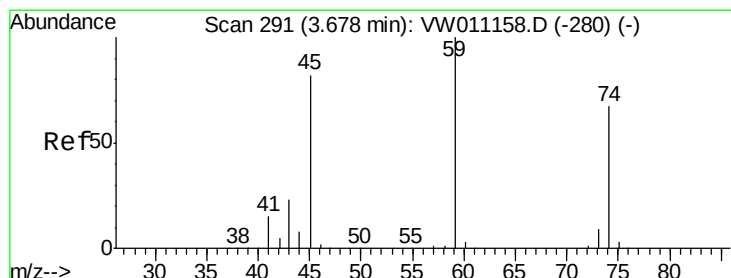
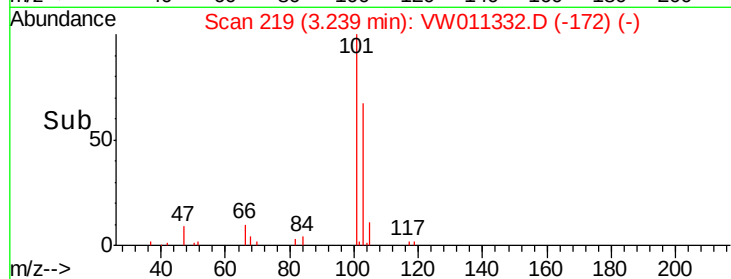
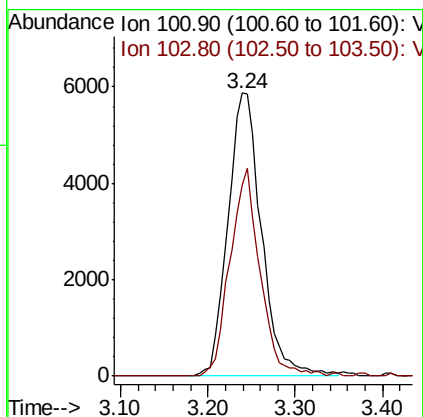
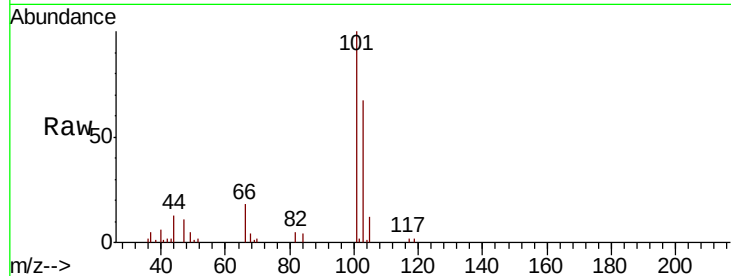


#7

Trichlorofluoromethane
Concen: 18.626 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Instrument :
MSVOA_W
ClientSampleId :

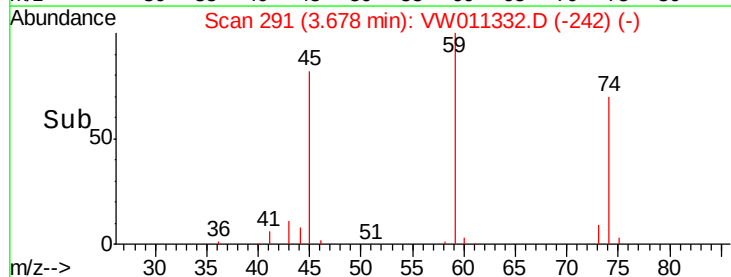
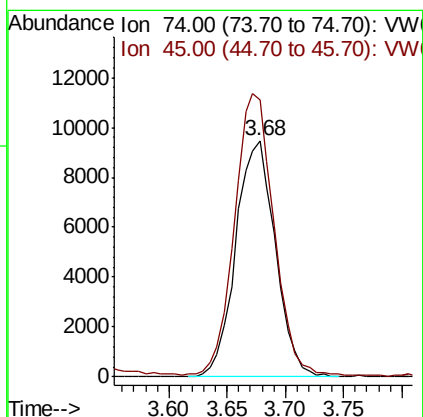
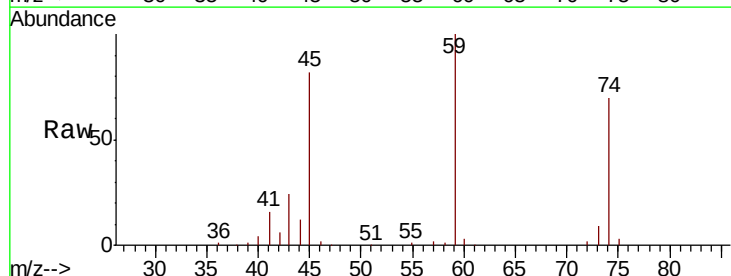
Tot Ion:101 Resp: 15705
Ion Ratio Lower Upper
101 100
103 67.4 51.3 76.9

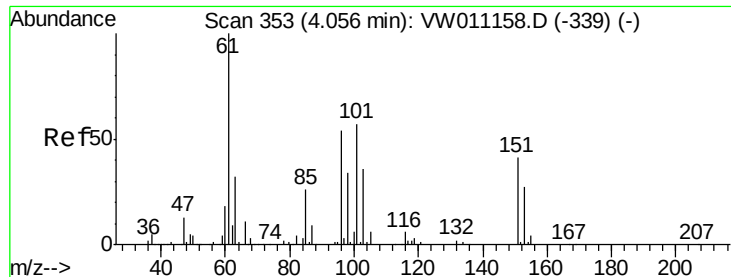


#8

Diethyl Ether
Concen: 19.148 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion: 74 Resp: 22340
Ion Ratio Lower Upper
74 100
45 119.6 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.215 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

ClientSampled :

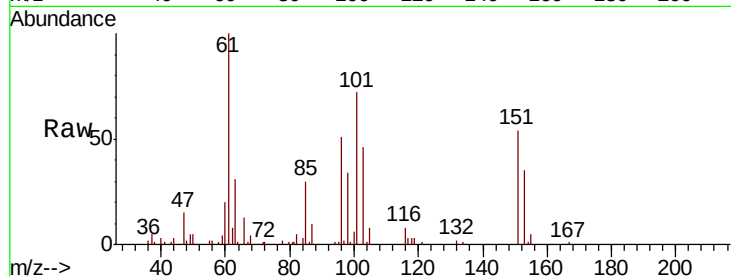
Tot Ion:101 Resp: 42848

Ion Ratio Lower Upper

101 100

85 45.0 36.5 54.7

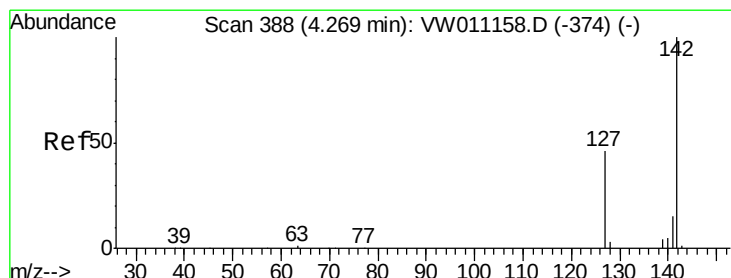
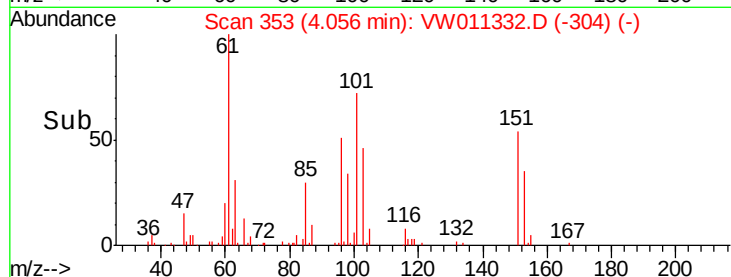
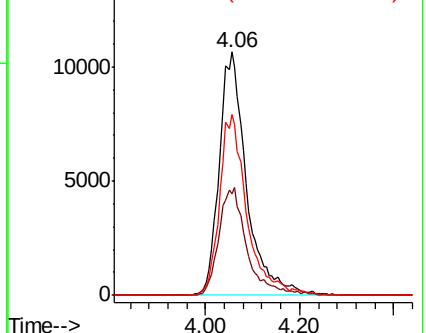
151 74.1 59.1 88.7



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: 20.175 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

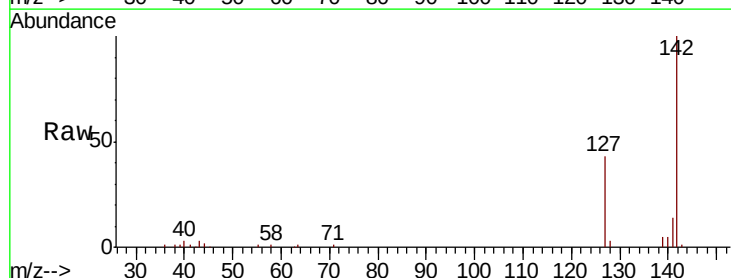
Tgt Ion:142 Resp: 56042

Ion Ratio Lower Upper

142 100

127 43.4 35.7 53.5

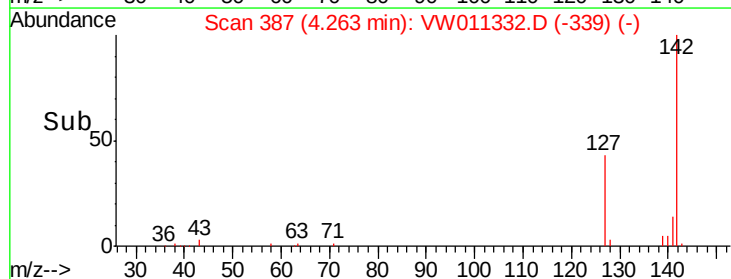
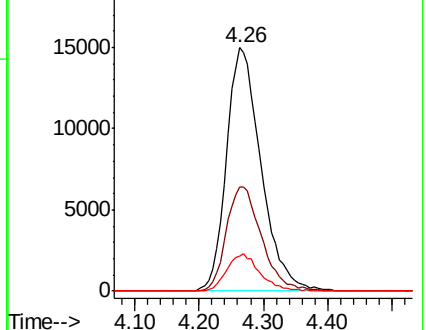
141 14.7 11.5 17.3

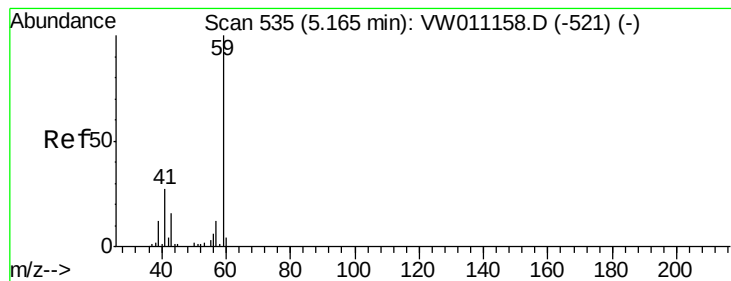


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.746 ug/l

RT: 5.17 min Scan# 535

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

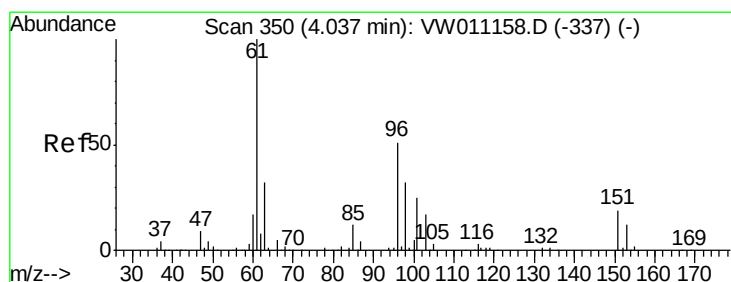
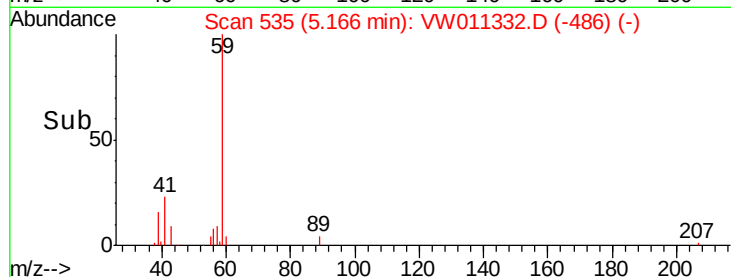
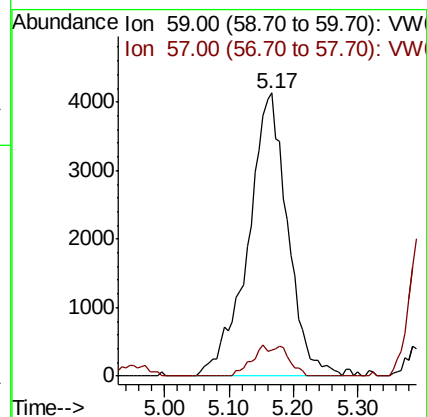
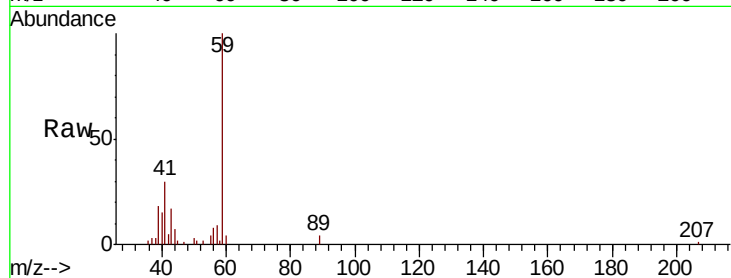
ClientSampleId :

Tot Ion: 59 Resp: 17510

Ion Ratio Lower Upper

59 100

57 5.3 9.0 13.6#



#12

1,1-Dichloroethene

Concen: 20.333 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

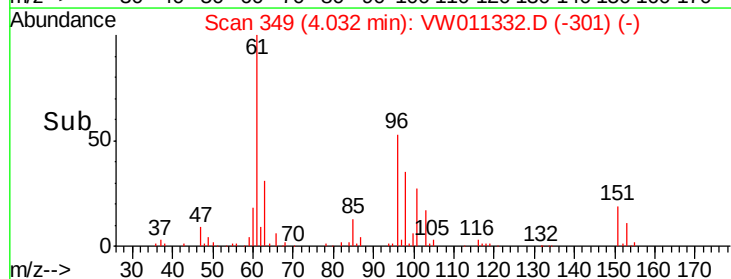
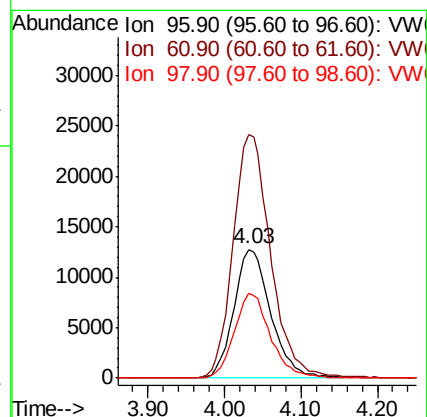
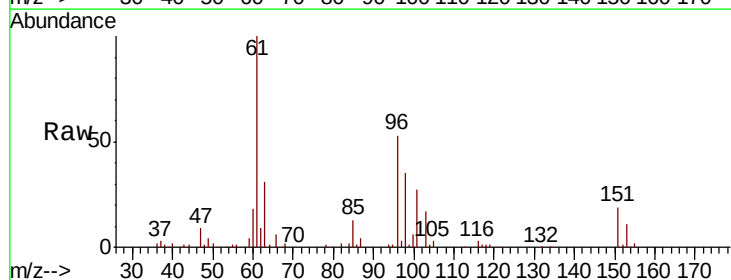
Tgt Ion: 96 Resp: 42623

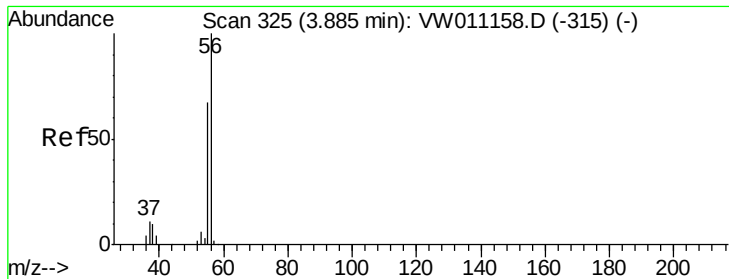
Ion Ratio Lower Upper

96 100

61 189.0 157.7 236.5

98 65.6 50.9 76.3





#13

Acrolein

Concen: 80.287 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

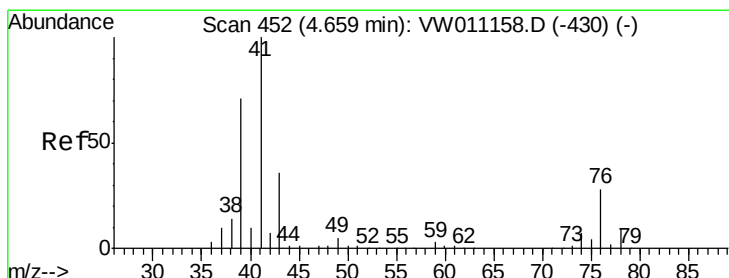
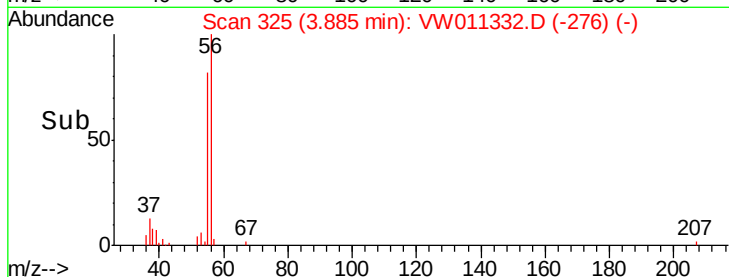
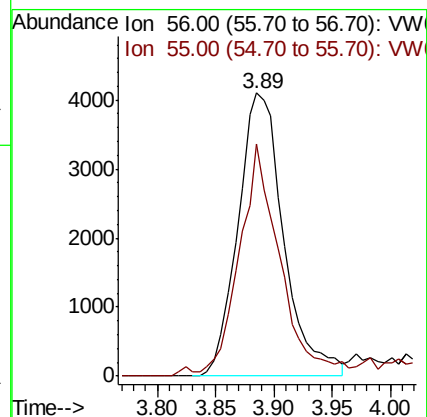
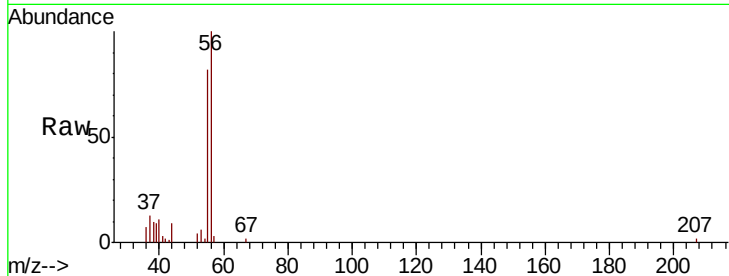
ClientSampleId :

Tot Ion: 56 Resp: 11223

Ion Ratio Lower Upper

56 100

55 70.2 56.4 84.6



#14

Allyl chloride

Concen: 21.088 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

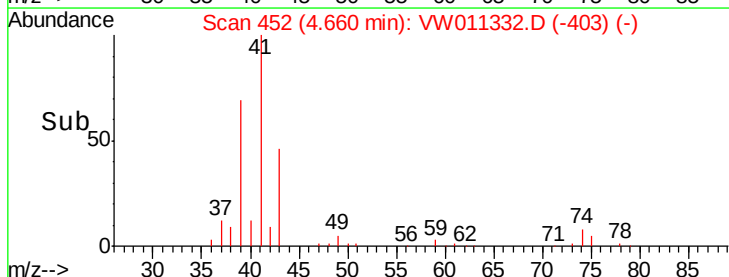
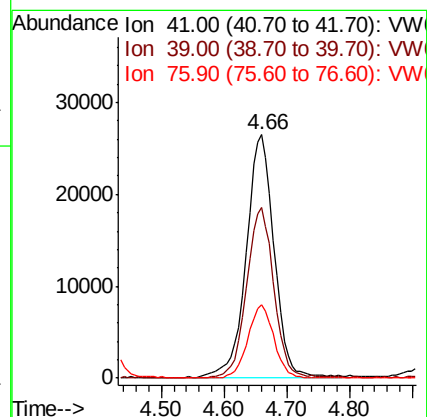
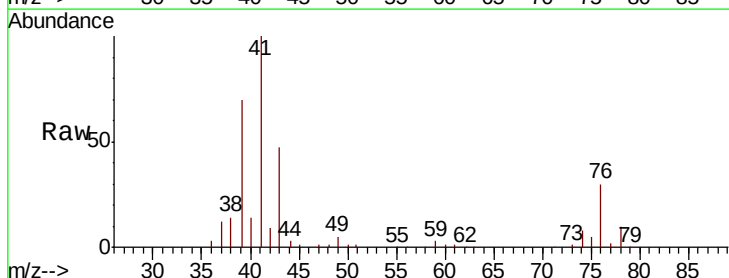
Tgt Ion: 41 Resp: 80612

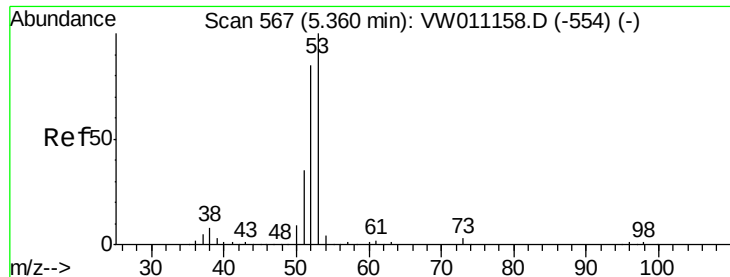
Ion Ratio Lower Upper

41 100

39 68.6 55.1 82.7

76 28.4 22.5 33.7





#15

Acrylonitrile

Concen: 94.897 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

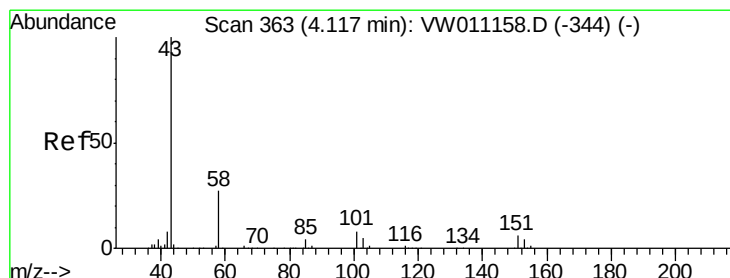
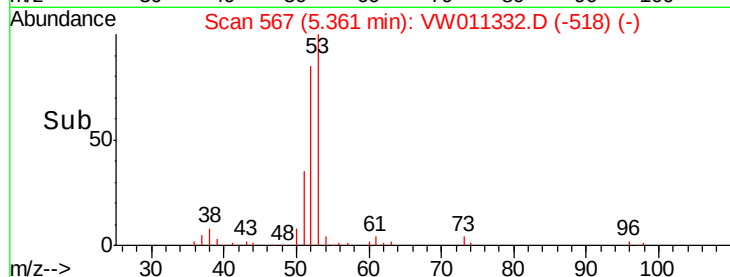
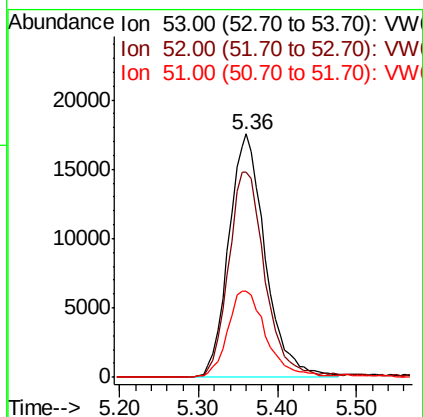
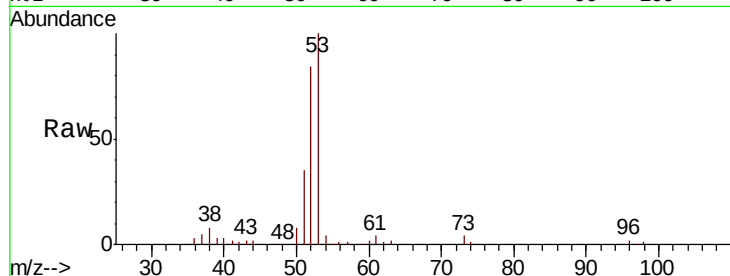
Tot Ion: 53 Resp: 56386

Ion Ratio Lower Upper

53 100

52 84.4 66.2 99.4

51 37.4 29.1 43.7



#16

Acetone

Concen: 97.368 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011332.D

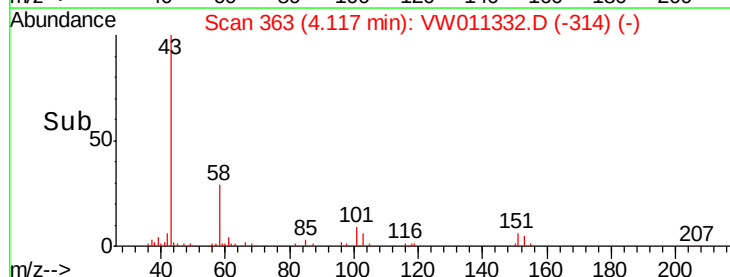
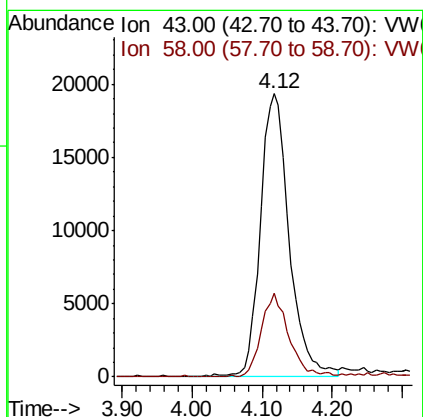
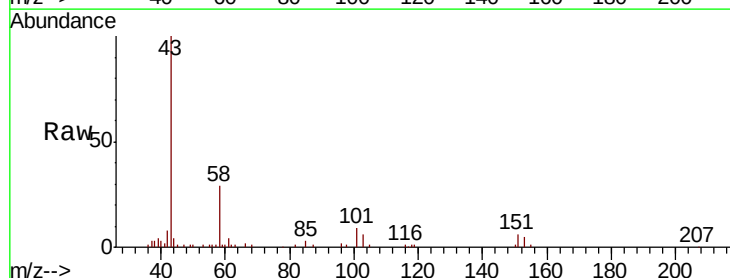
Acq: 18 Jul 2019 14:09

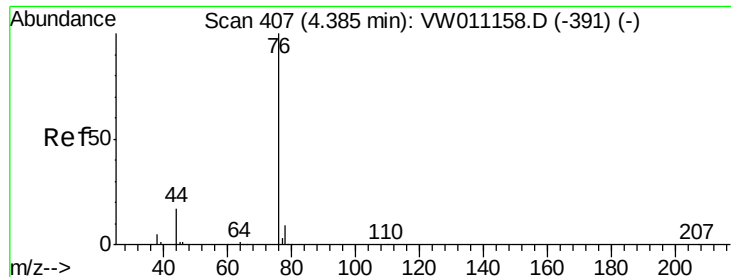
Tgt Ion: 43 Resp: 55549

Ion Ratio Lower Upper

43 100

58 29.4 21.8 32.6





#17

Carbon Disulfide

Concen: 19.173 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

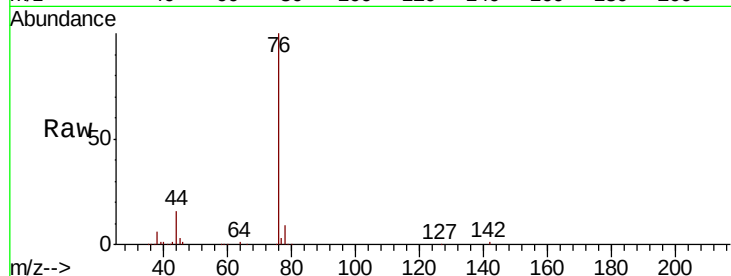
ClientSampleId :

Tot Ion: 76 Resp: 121850

Ion Ratio Lower Upper

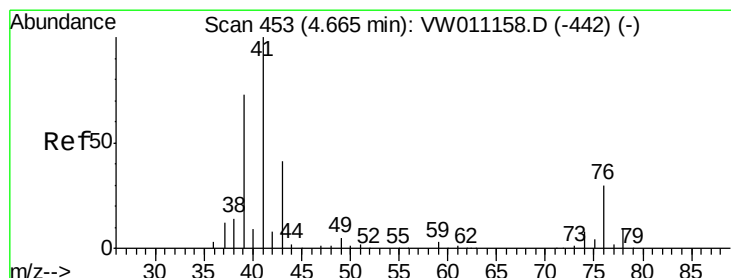
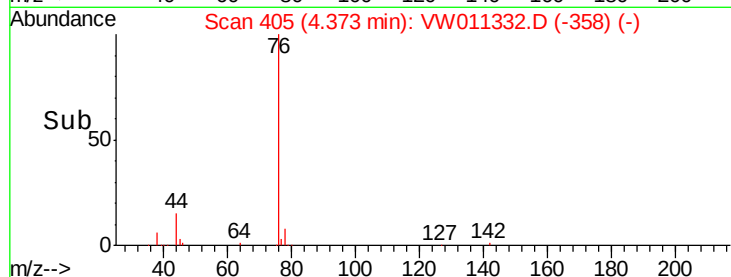
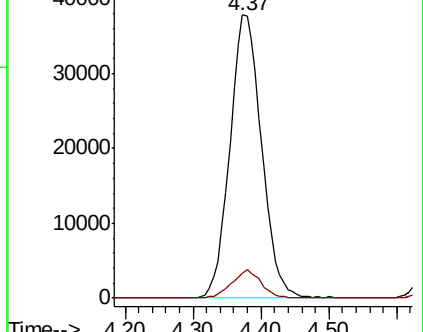
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.020 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011332.D

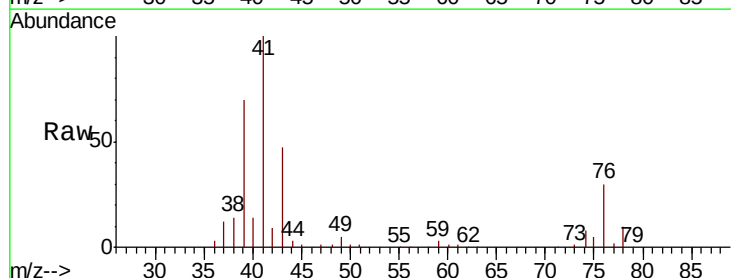
Acq: 18 Jul 2019 14:09

Tgt Ion: 43 Resp: 37008

Ion Ratio Lower Upper

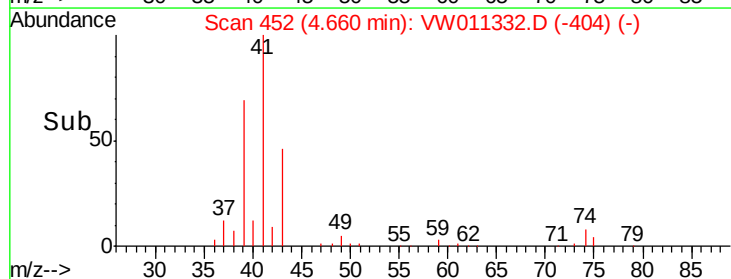
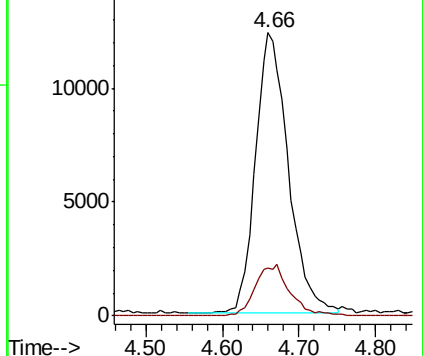
43 100

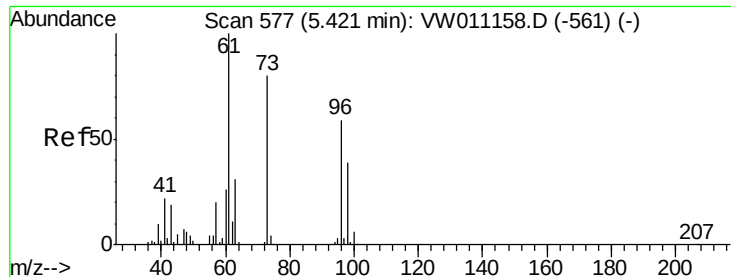
74 19.0 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

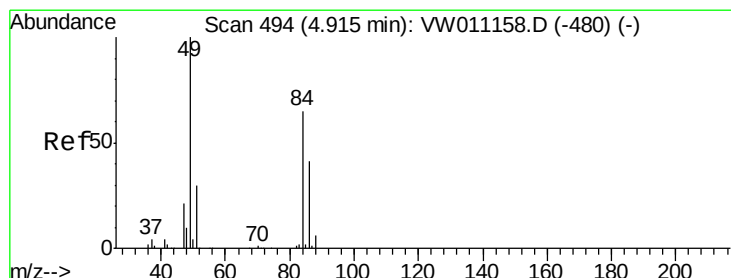
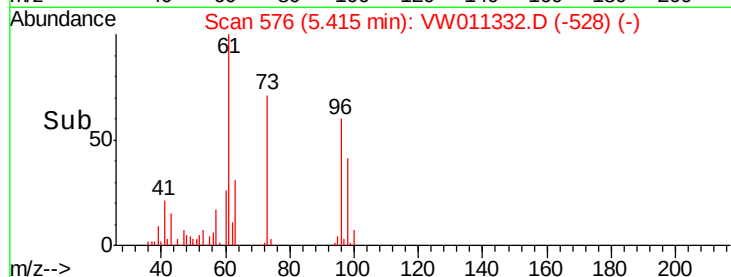
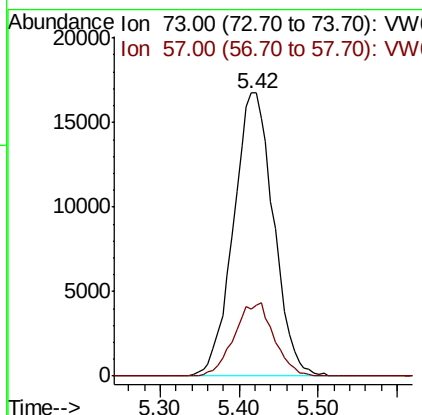
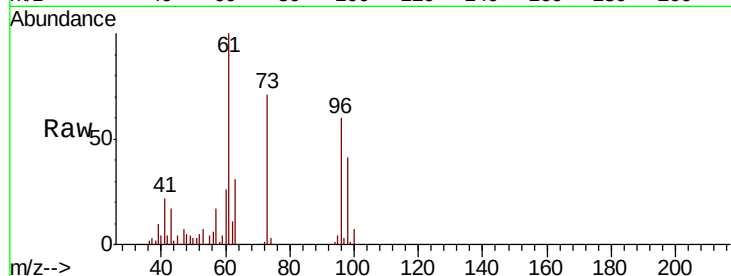




#19
Methyl tert-butyl Ether
Concen: 18.580 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

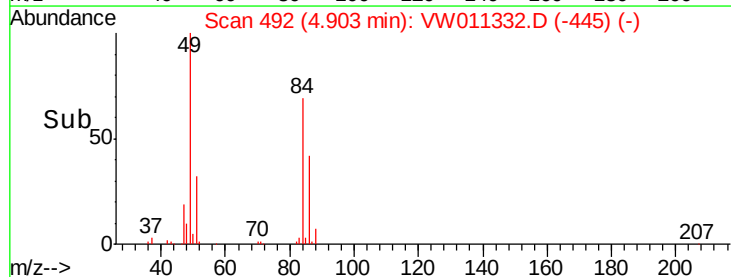
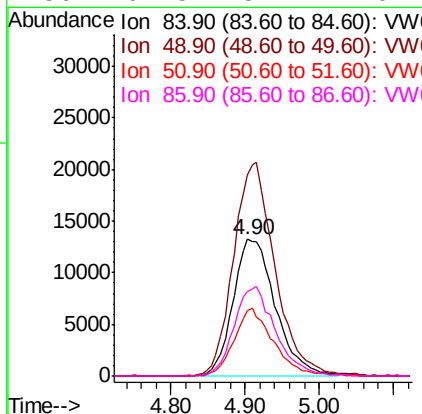
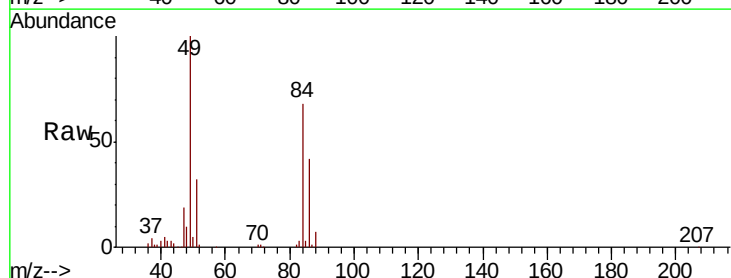
Instrument :
MSVOA_W
ClientSampleId :

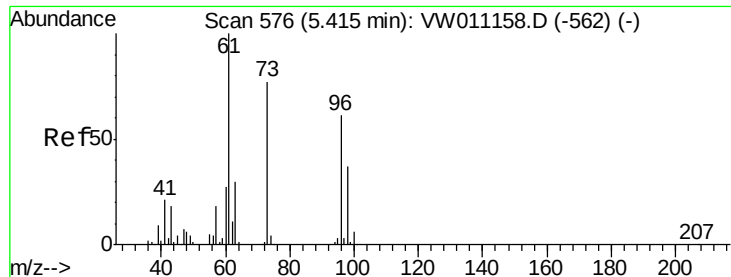
Tot Ion: 73 Resp: 59097
Ion Ratio Lower Upper
73 100
57 23.9 19.7 29.5



#20
Methylene Chloride
Concen: 23.374 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion: 84 Resp: 52605
Ion Ratio Lower Upper
84 100
49 147.2 123.8 185.6
51 46.9 37.4 56.2
86 61.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.660 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

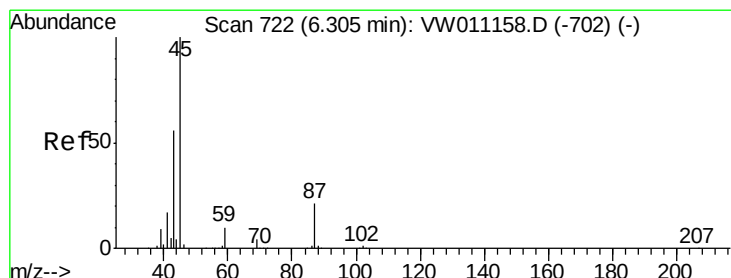
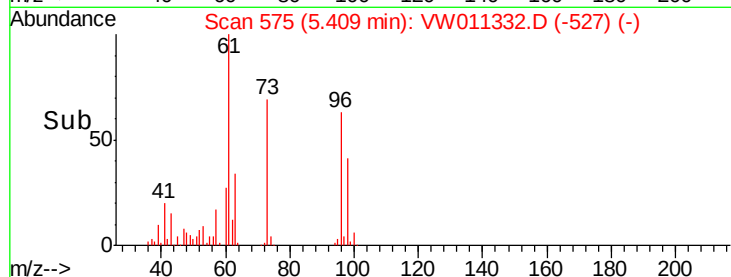
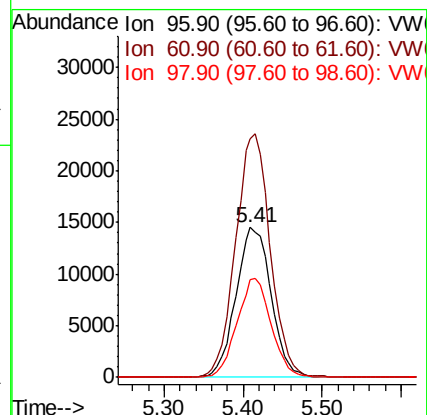
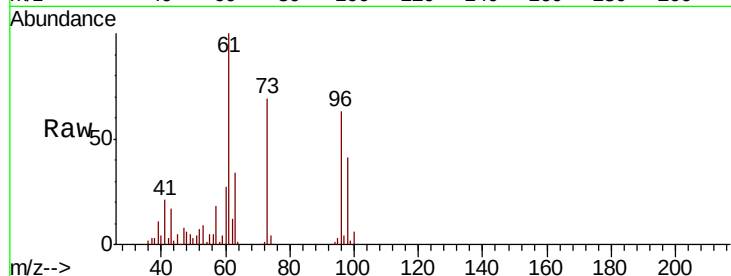
Tot Ion: 96 Resp: 45002

Ion Ratio Lower Upper

96 100

61 159.5 132.2 198.2

98 65.4 49.4 74.0



#22

Diisopropyl ether

Concen: 19.973 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Tgt Ion: 45 Resp: 164214

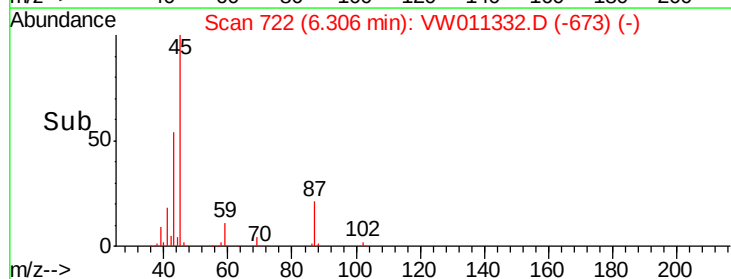
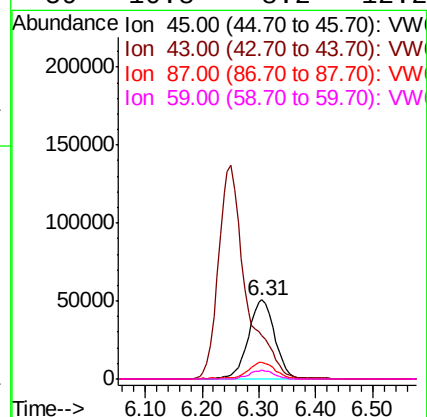
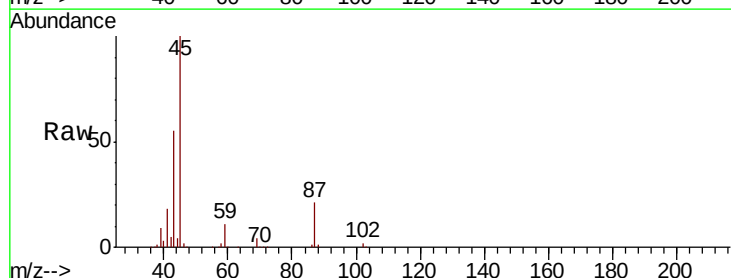
Ion Ratio Lower Upper

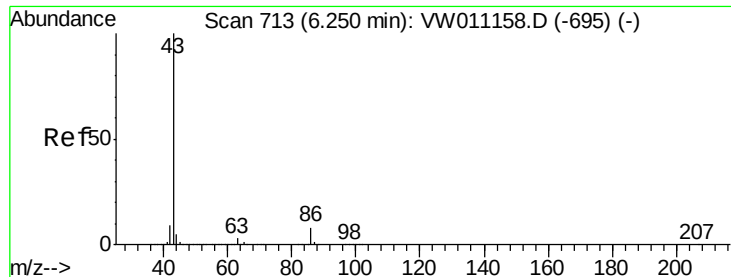
45 100

43 54.4 44.6 66.8

87 21.2 17.3 25.9

59 10.8 8.2 12.2





#23

Vinyl Acetate

Concen: 90.106 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

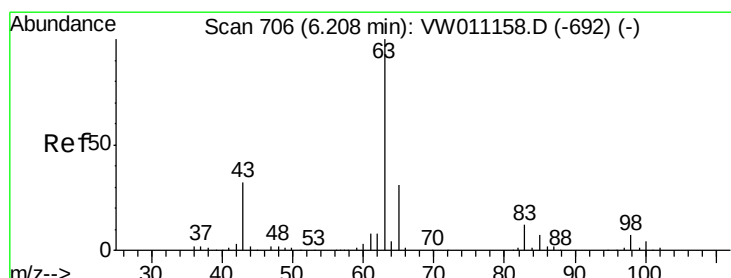
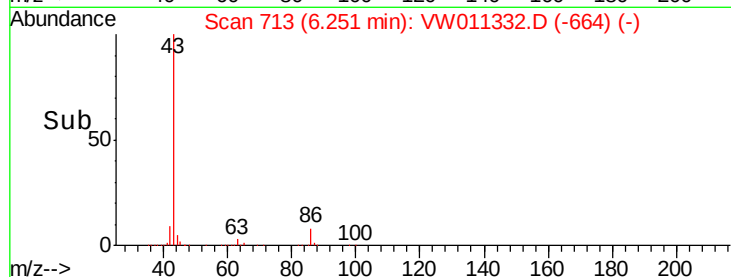
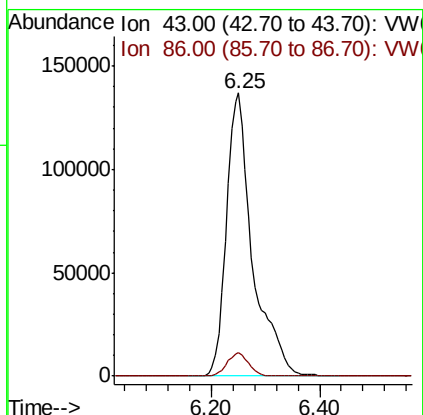
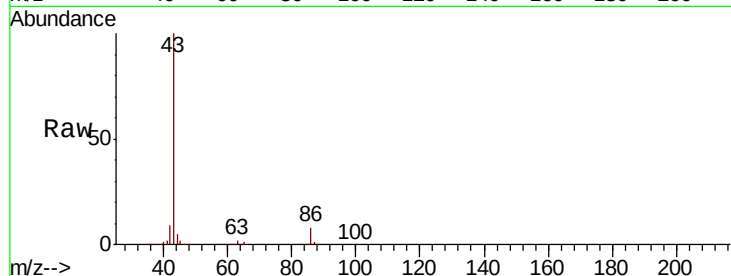
ClientSampled :

Tot Ion: 43 Resp: 458476

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



#24

1,1-Dichloroethane

Concen: 20.751 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

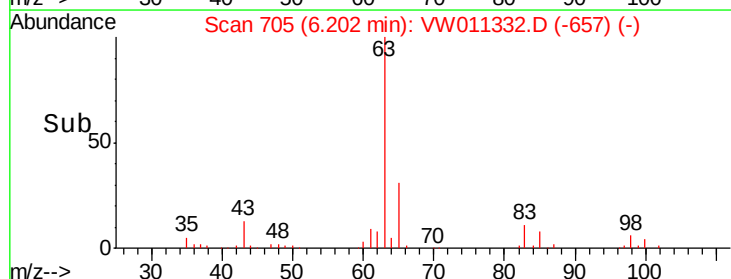
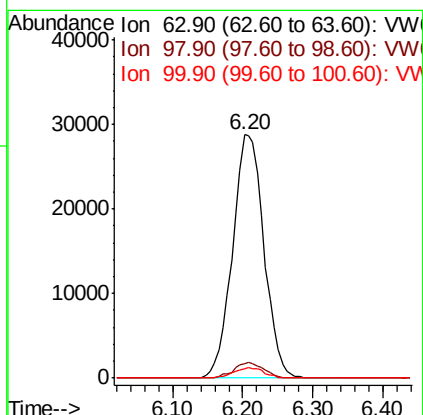
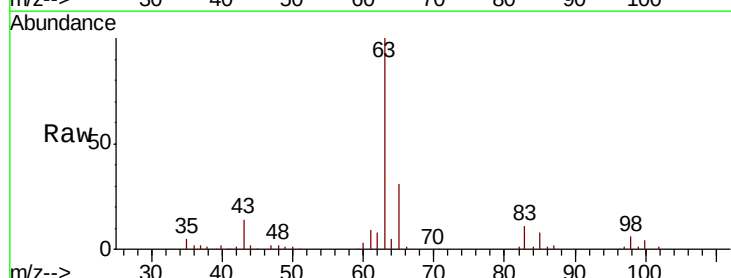
Tgt Ion: 63 Resp: 89587

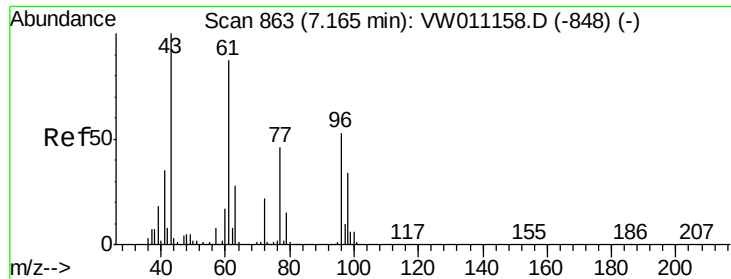
Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.9

100 3.9 2.1 6.2

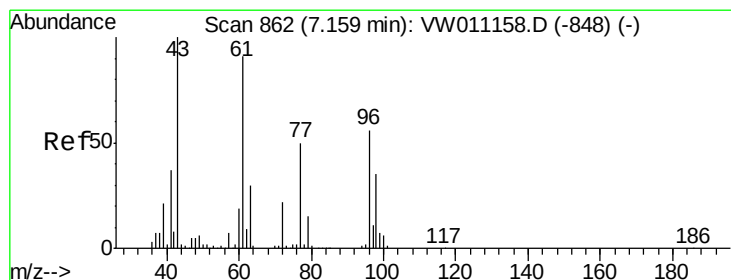
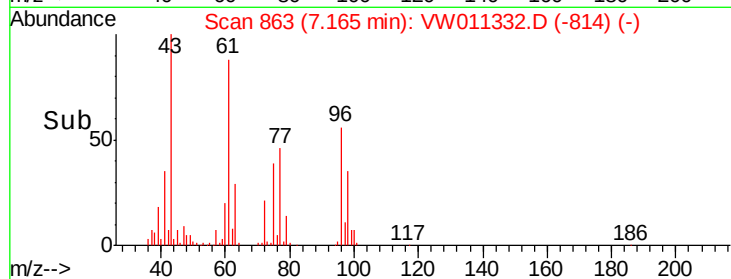
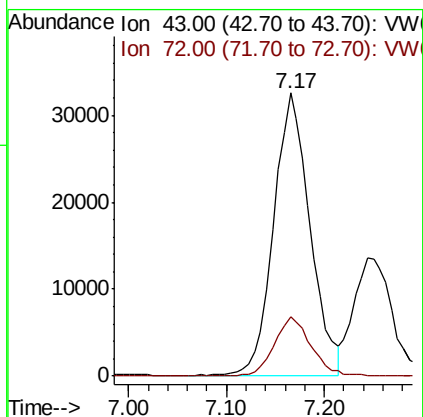
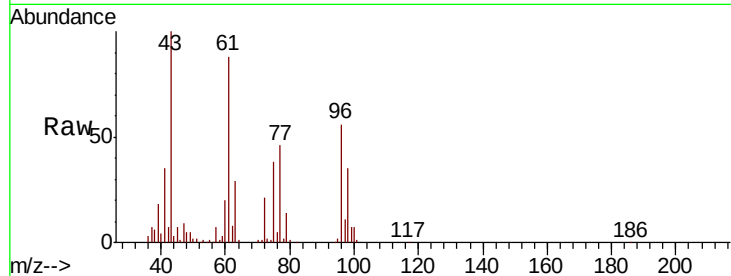




#25
 2-Butanone
 Concen: 94.360 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

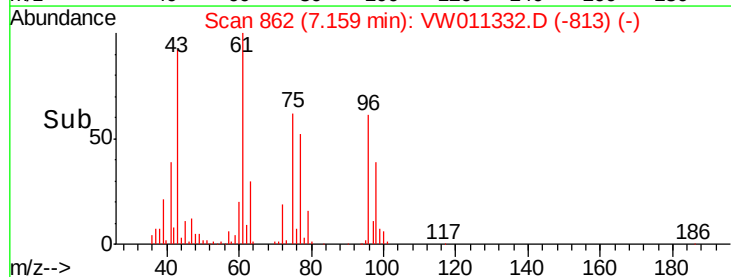
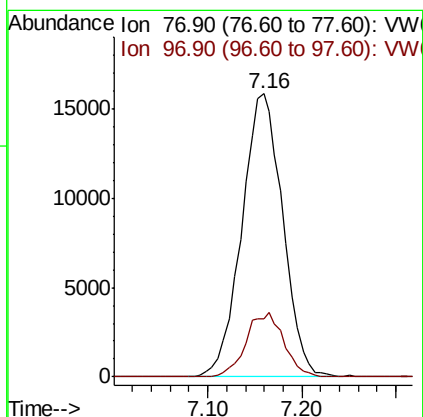
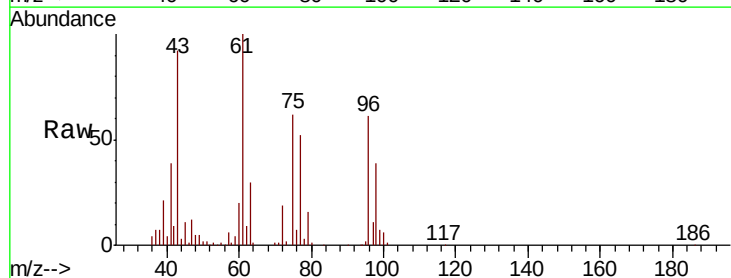
Instrument :
 MSVOA_W
 ClientSampled :

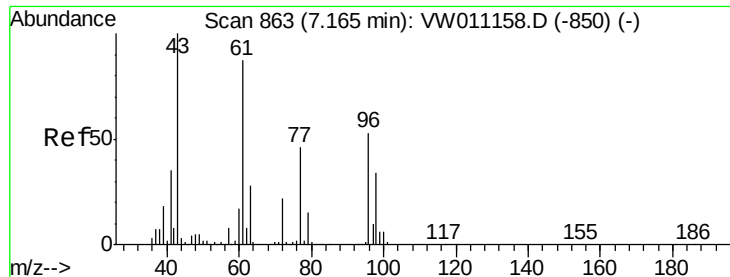
Tot Ion: 43 Resp: 84504
 Ion Ratio Lower Upper
 43 100
 72 21.2 17.6 26.4



#26
 2,2-Dichloropropane
 Concen: 21.481 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

Tgt Ion: 77 Resp: 48207
 Ion Ratio Lower Upper
 77 100
 97 21.1 11.2 33.5



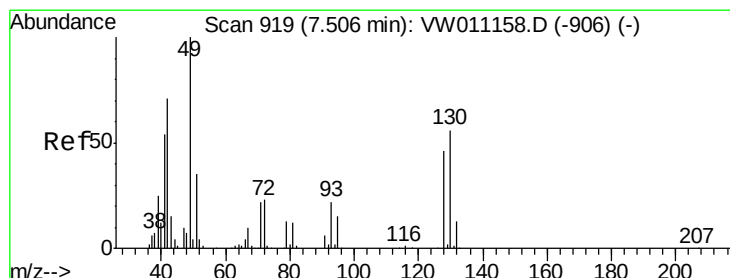
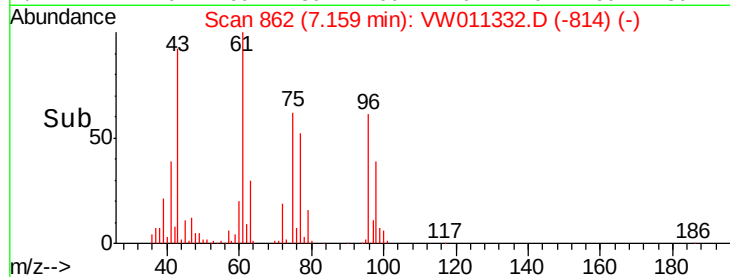
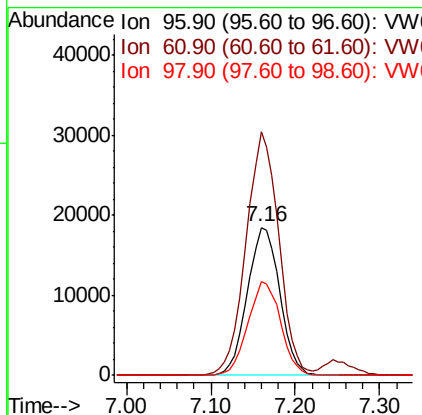
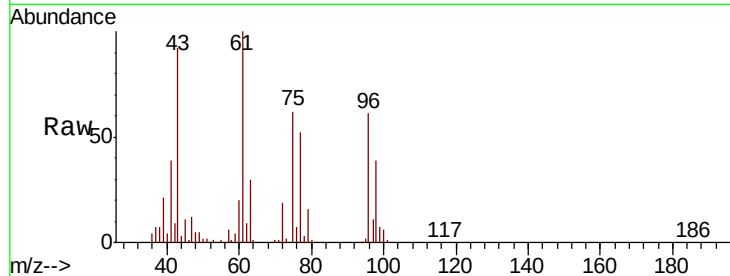


#27

cis-1,2-Dichloroethene
Concen: 20.605 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Instrument :
MSVOA_W
ClientSampled :

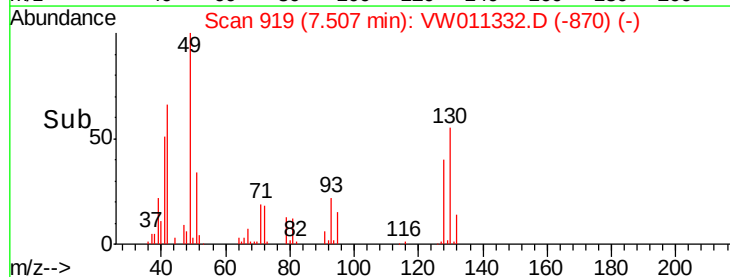
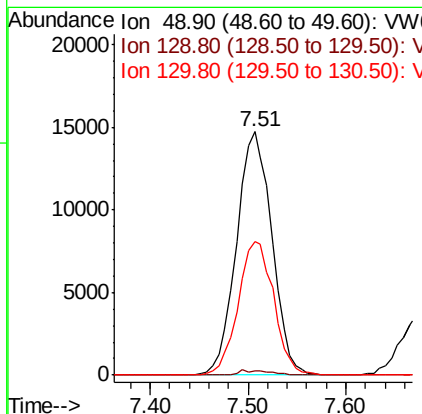
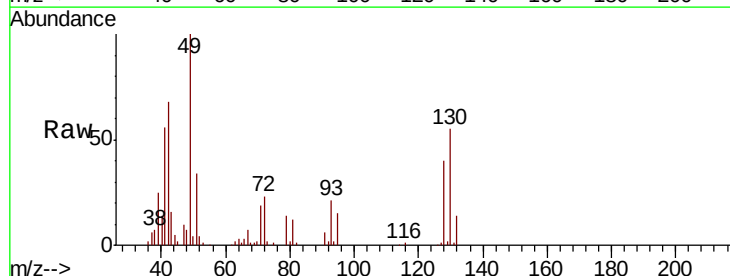
Tot Ion	96	Resp	48415
Ion	Ratio	Lower	Upper
96	100		
61	166.0	0.0	325.6
98	63.7	0.0	128.2

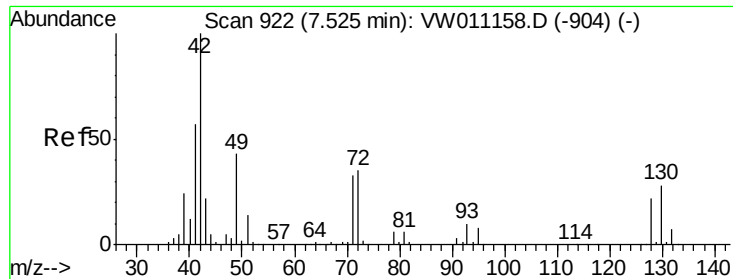


#28

Bromochloromethane
Concen: 18.847 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion	49	Resp	36998
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.4#
130	55.3	45.8	68.8

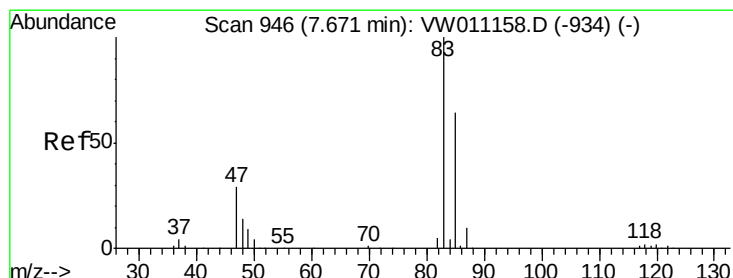
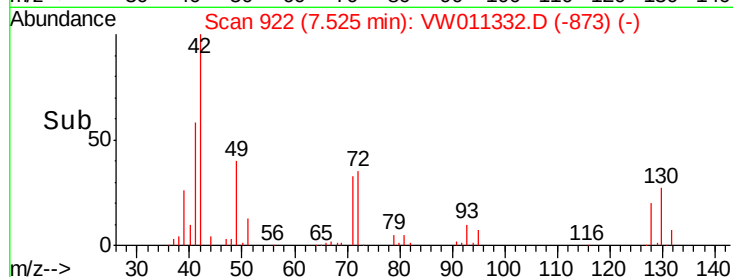
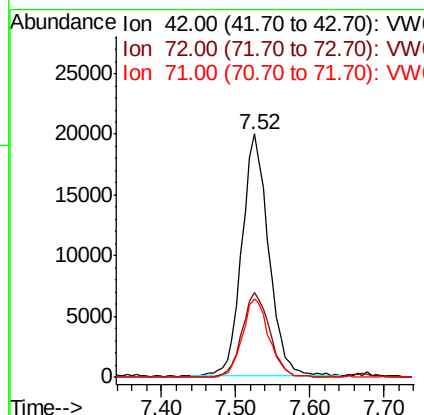
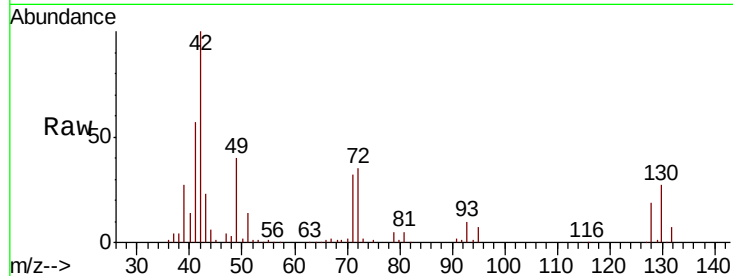




#29
Tetrahydrofuran
Concen: 86.300 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

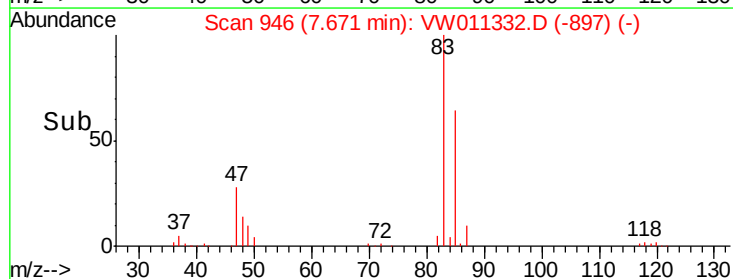
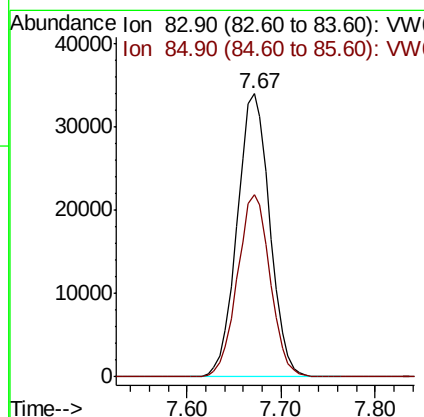
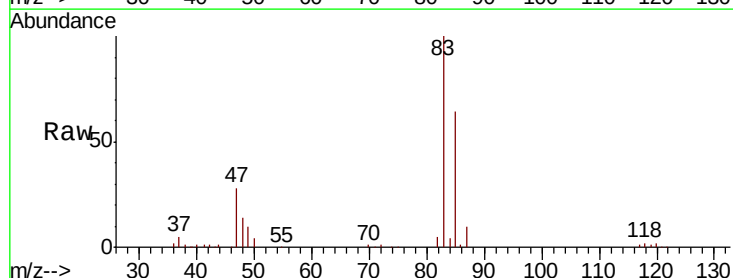
Instrument :
MSVOA_W
ClientSampled :

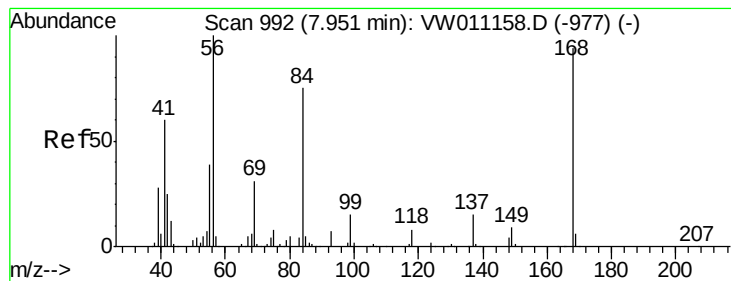
Tot Ion: 42 Resp: 50677
Ion Ratio Lower Upper
42 100
72 36.1 27.4 41.2
71 32.5 25.9 38.9



#30
Chloroform
Concen: 20.515 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion: 83 Resp: 82026
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.2





#31

Cyclohexane

Concen: 20.515 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :
MSVOA_W
ClientSampled :

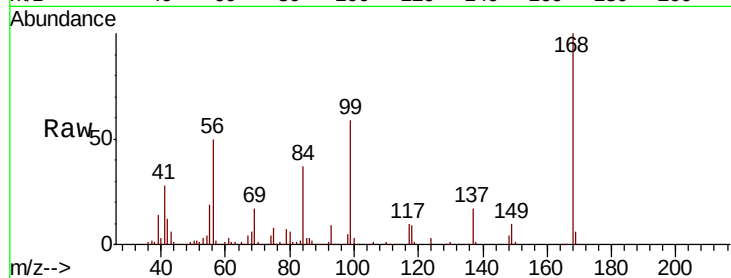
Tot Ion: 56 Resp: 94228

Ion Ratio Lower Upper

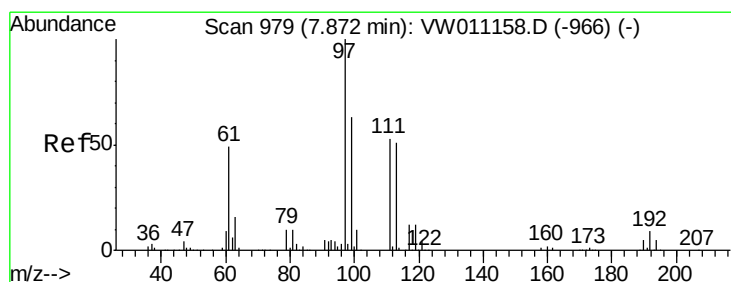
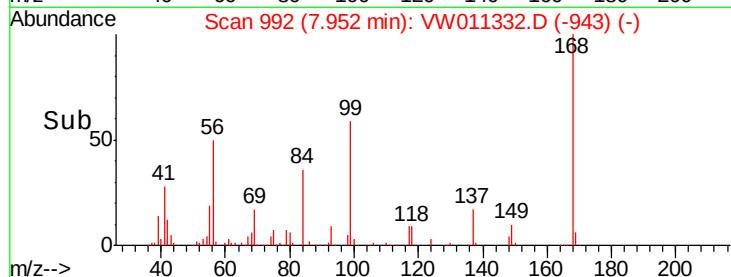
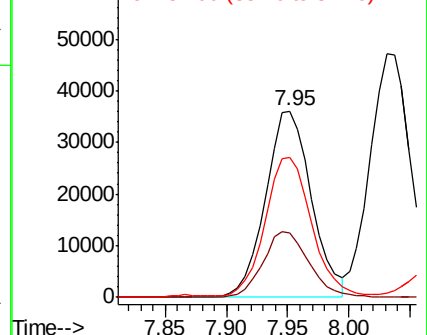
56 100

69 34.4 24.6 36.8

84 74.2 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: 20.519 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

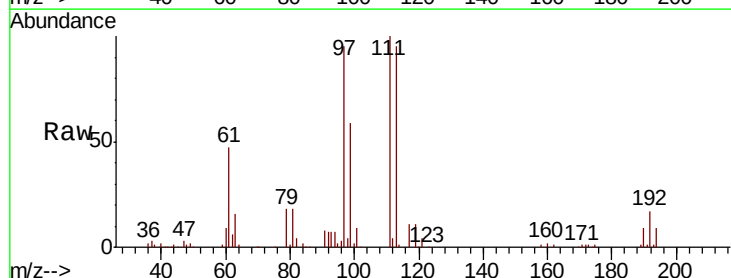
Tgt Ion: 97 Resp: 62407

Ion Ratio Lower Upper

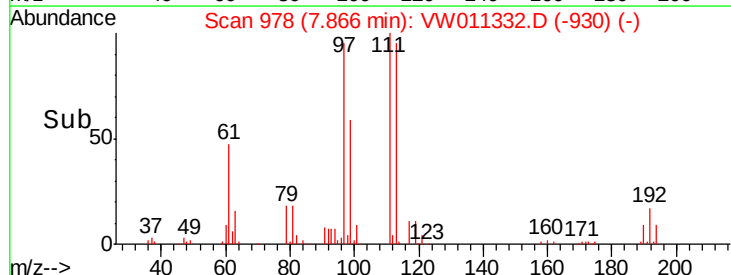
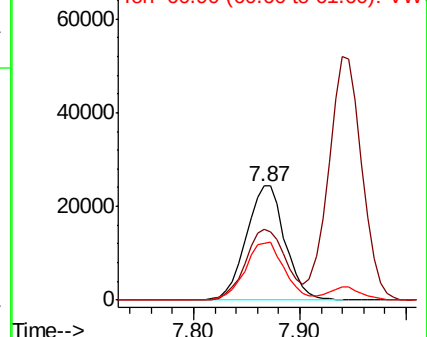
97 100

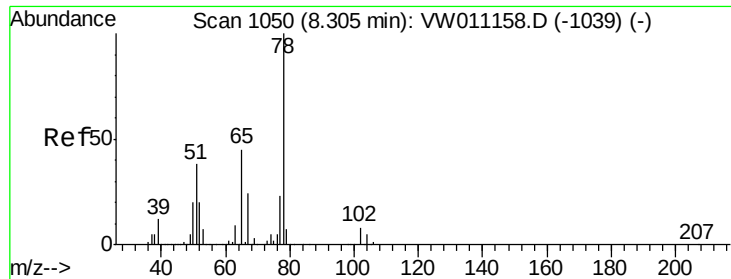
99 64.5 51.0 76.4

61 51.4 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

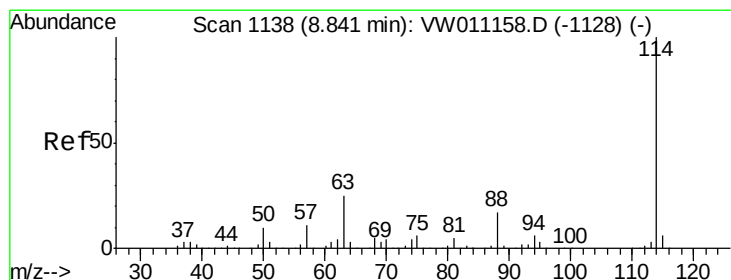
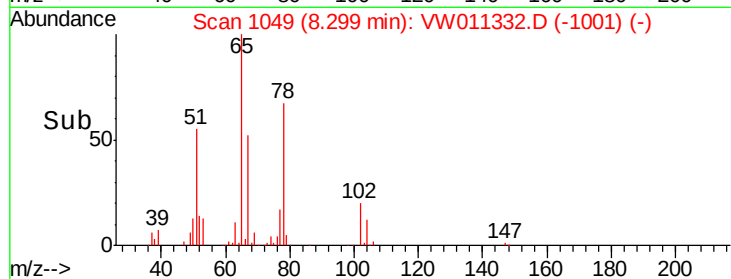
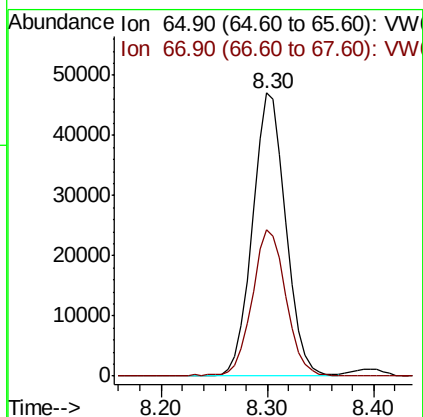
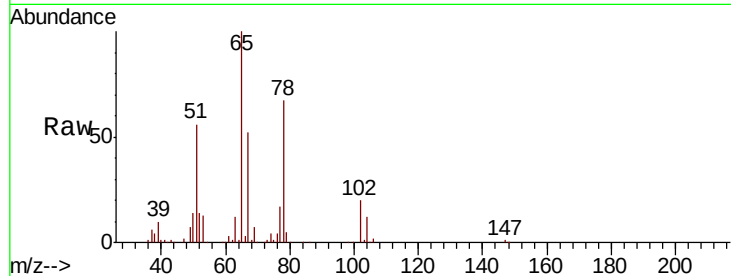




#33
 1,2-Dichloroethane-d4
 Concen: 43.401 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

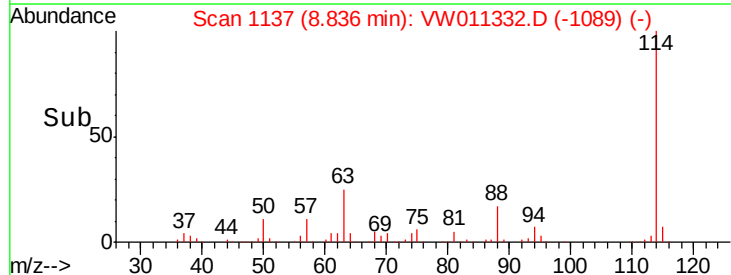
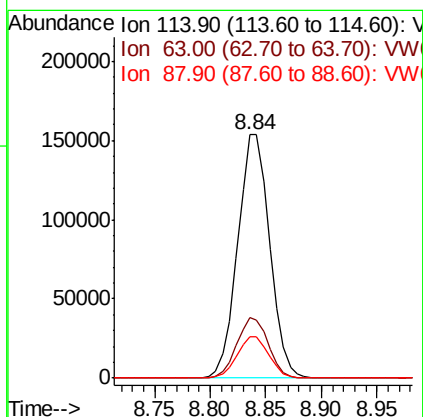
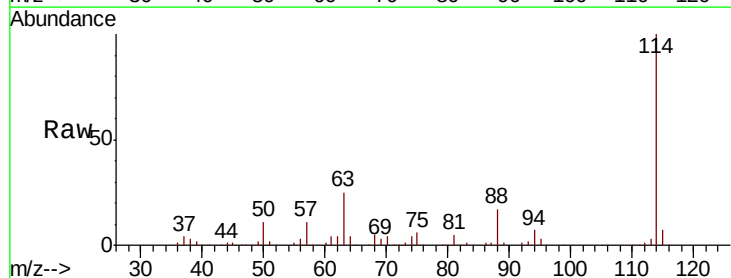
Instrument :
 MSVOA_W
 ClientSampleId :

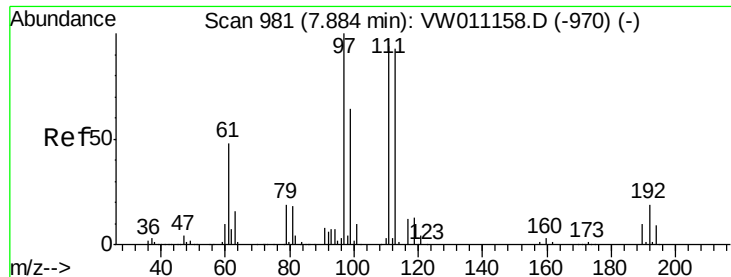
Tot Ion: 65 Resp: 102908
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

Tgt Ion: 114 Resp: 306790
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.8
 88 17.1 0.0 34.2

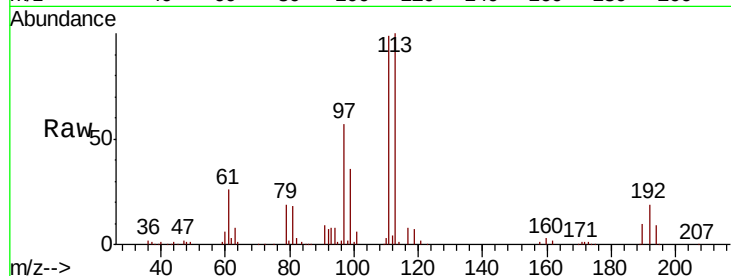




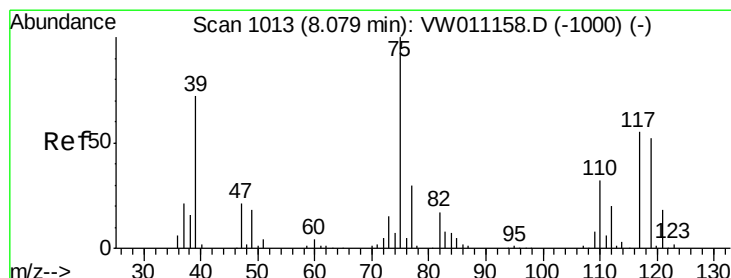
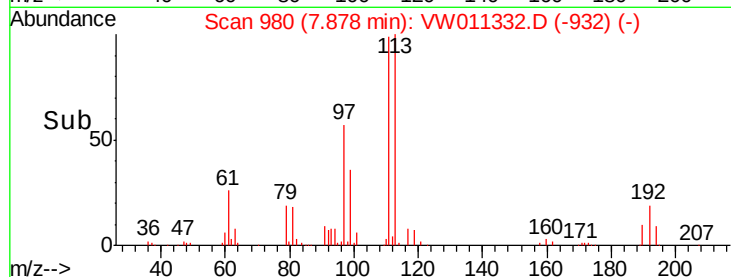
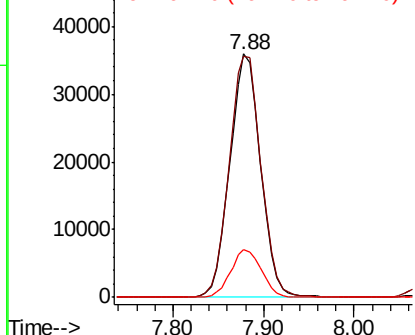
#35
 Dibromofluoromethane
 Concen: 46.319 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 84700
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.4 123.6
 192 19.6 15.8 23.8

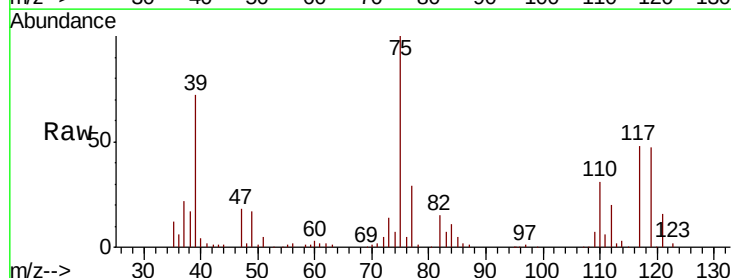


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

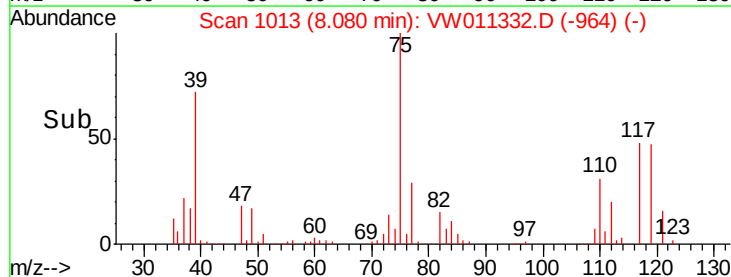
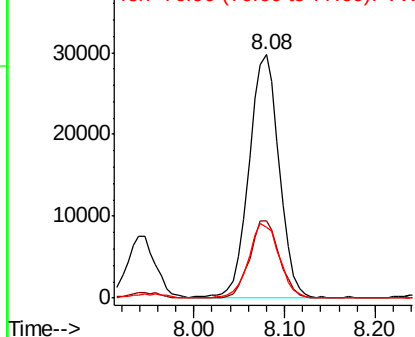


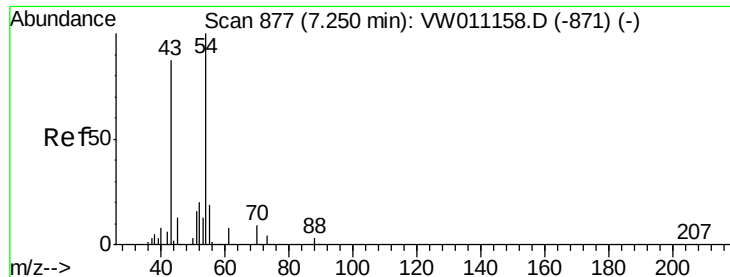
#36
 1,1-Dichloropropene
 Concen: 20.992 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

Tgt Ion: 75 Resp: 68580
 Ion Ratio Lower Upper
 75 100
 110 31.2 15.9 47.6
 77 31.2 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

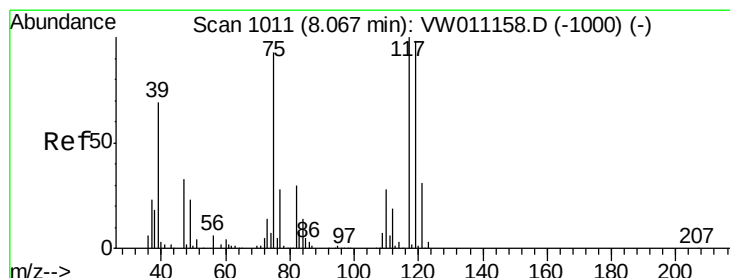
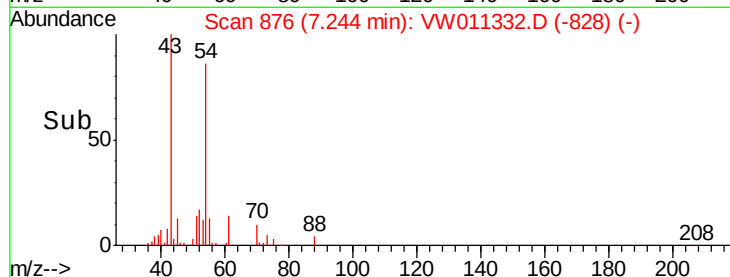
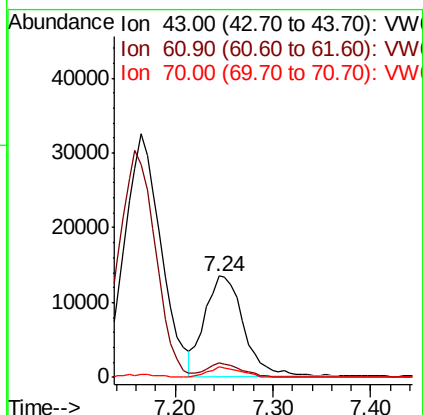
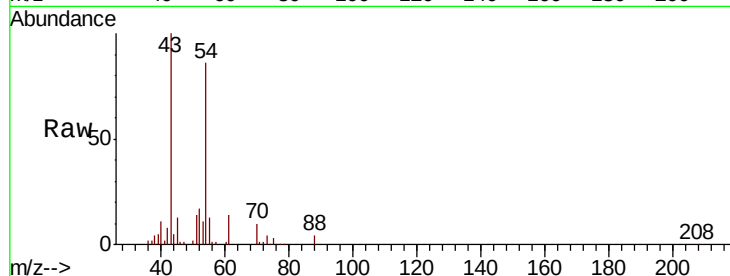




#37
Ethyl Acetate
Concen: 18.932 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

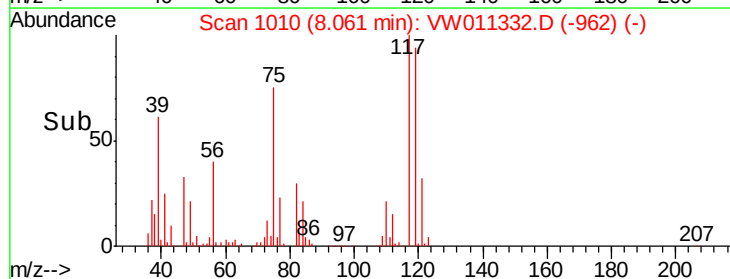
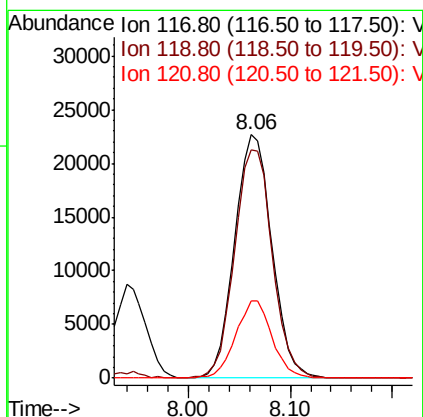
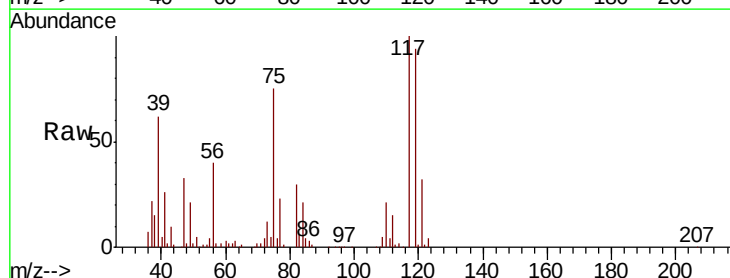
Instrument :
MSVOA_W
ClientSampleId :

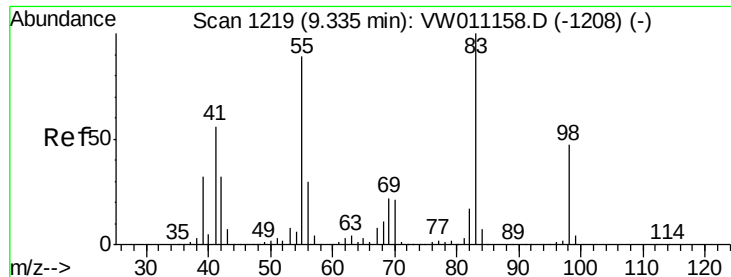
Tot Ion: 43 Resp: 37162
Ion Ratio Lower Upper
43 100
61 12.4 9.5 14.3
70 9.0 7.1 10.7



#38
Carbon Tetrachloride
Concen: 20.811 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion: 117 Resp: 57637
Ion Ratio Lower Upper
117 100
119 94.0 78.1 117.1
121 31.7 25.1 37.7

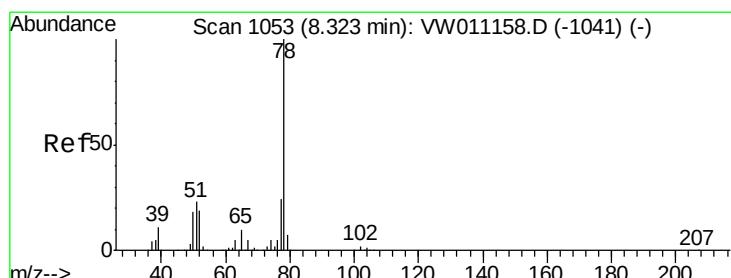
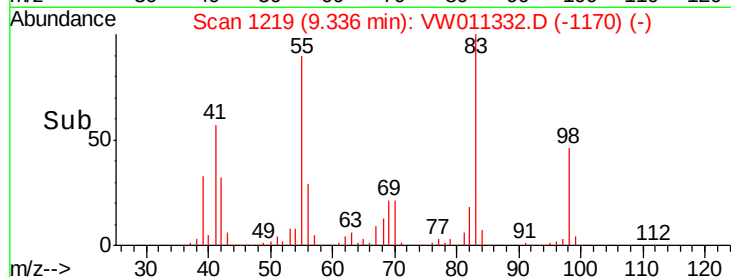
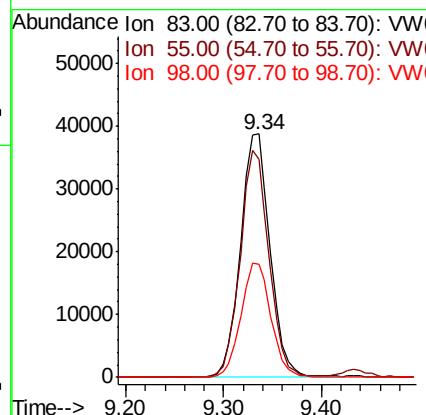
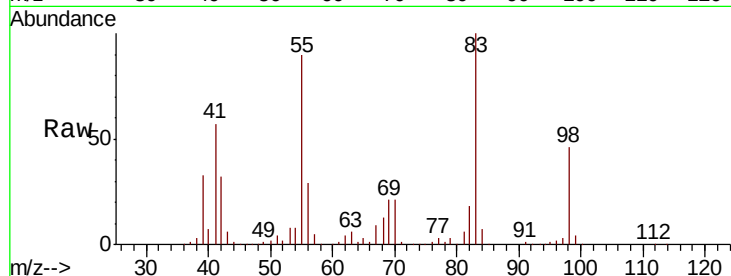




#39
Methylvlcyclohexane
Concen: 20.549 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

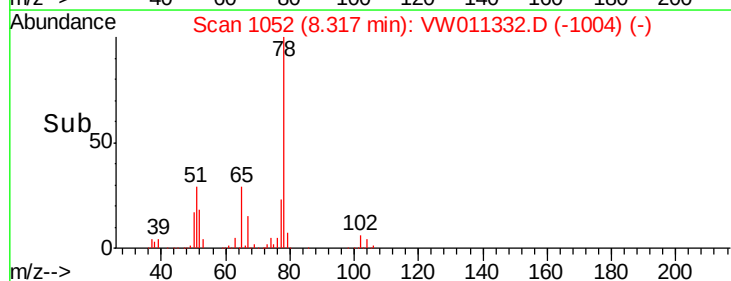
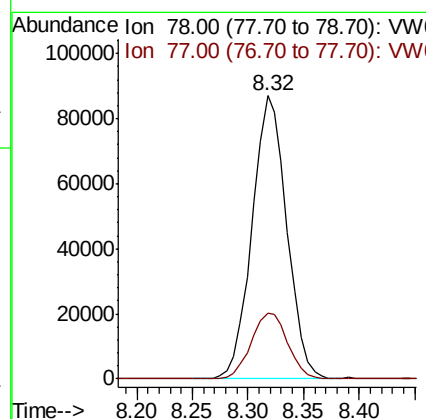
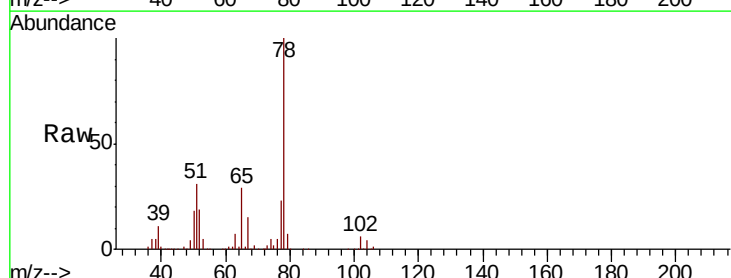
Instrument :
MSVOA_W
ClientSampled :

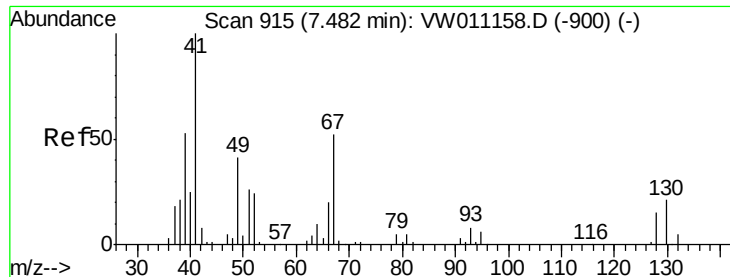
Tot Ion: 83 Resp: 81368
Ion Ratio Lower Upper
83 100
55 89.5 71.2 106.8
98 46.3 37.5 56.3



#40
Benzene
Concen: 20.919 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion: 78 Resp: 188870
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6

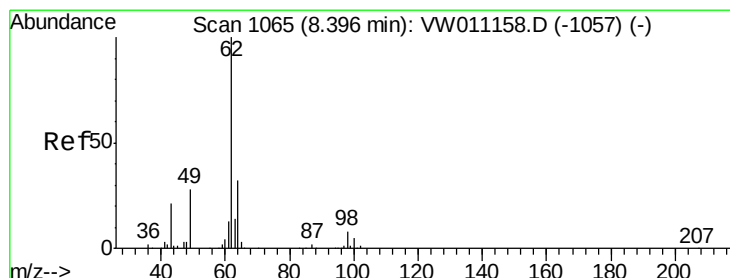
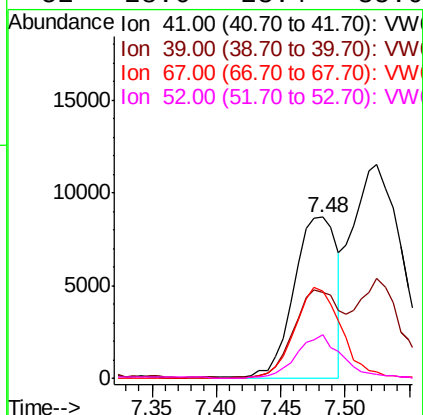
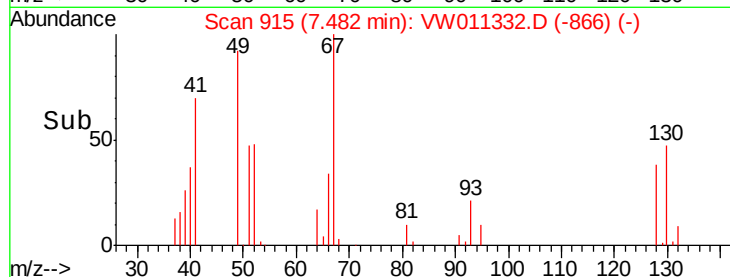
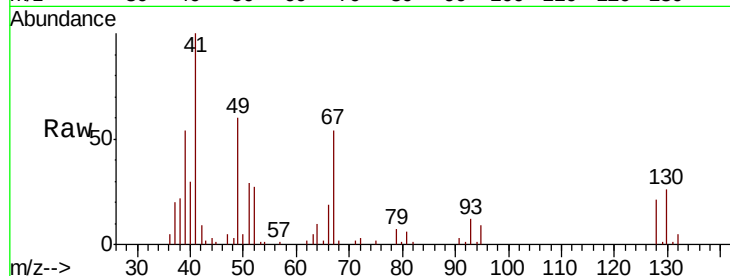




#41
Methacrylonitrile
Concen: 17.992 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

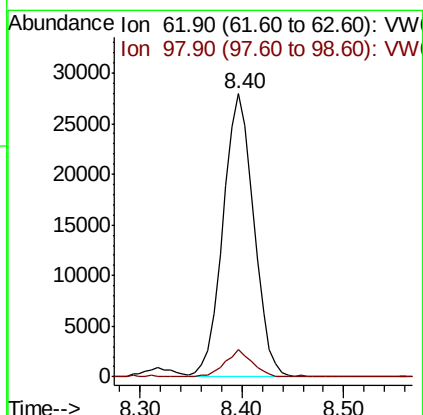
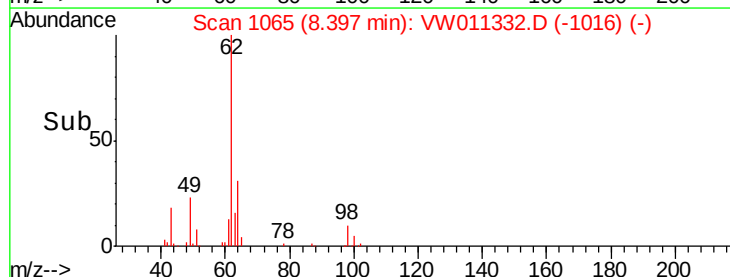
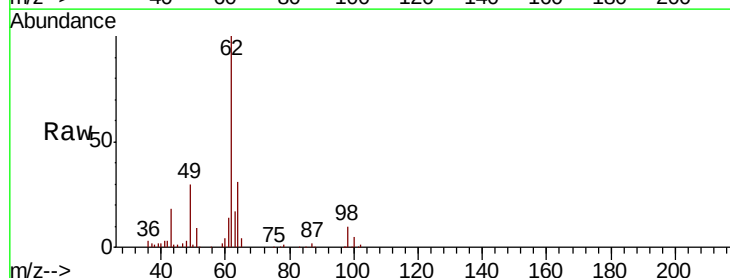
Instrument :
MSVOA_W
ClientSampleId :

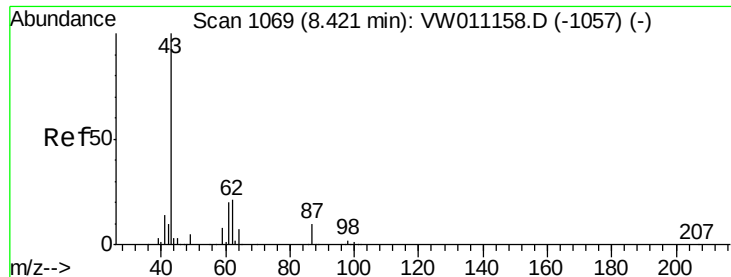
Tot Ion:	41	Resp:	20199
Ion	Ratio	Lower	Upper
41	100		
39	60.3	48.0	72.0
67	61.1	49.7	74.5
52	28.6	23.4	35.0



#42
1,2-Dichloroethane
Concen: 20.010 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion:	62	Resp:	58606
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 17.844 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

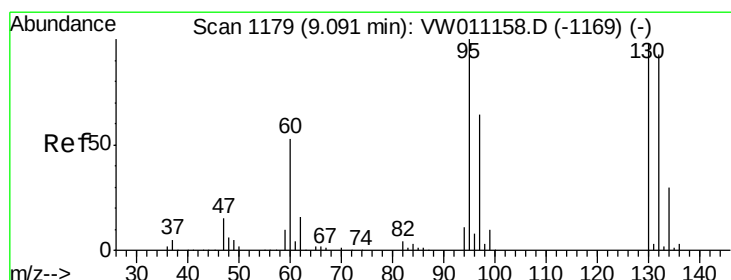
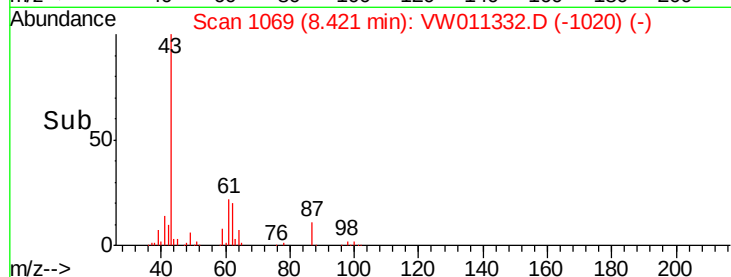
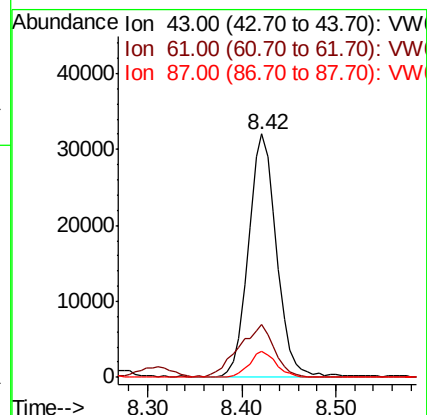
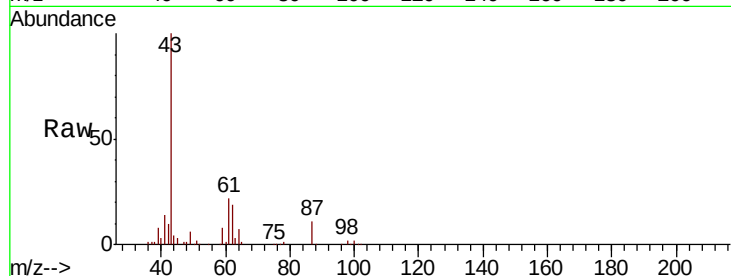
Tot Ion: 43 Resp: 66129

Ion Ratio Lower Upper

43 100

61 27.9 20.7 31.1

87 10.6 8.1 12.1



#44

Trichloroethene

Concen: 20.852 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011332.D

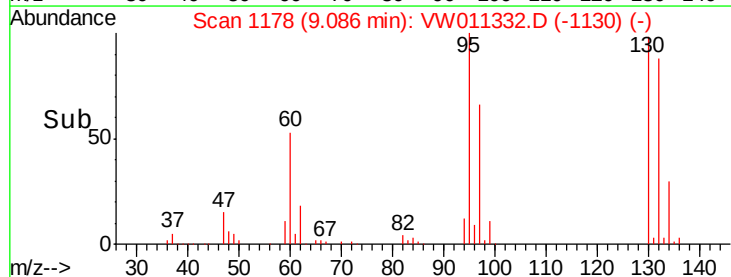
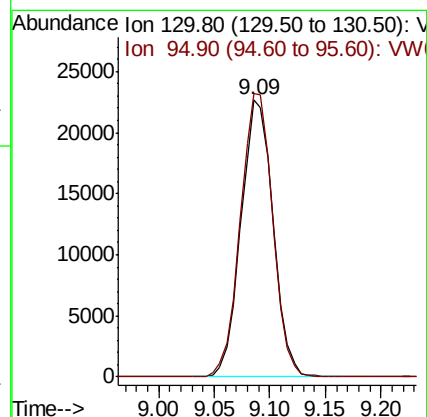
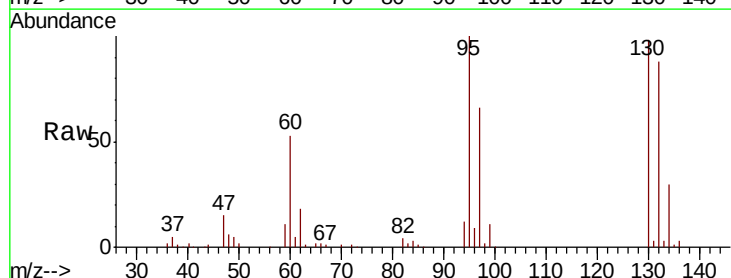
Acq: 18 Jul 2019 14:09

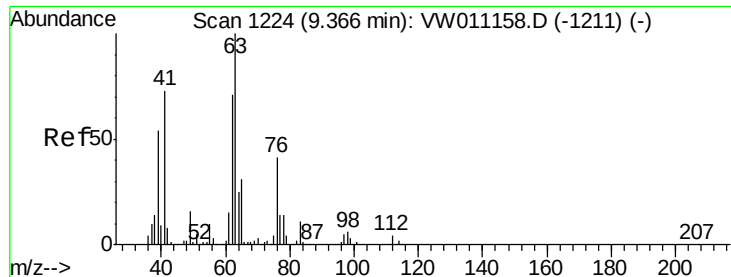
Tgt Ion: 130 Resp: 45305

Ion Ratio Lower Upper

130 100

95 102.0 0.0 203.6

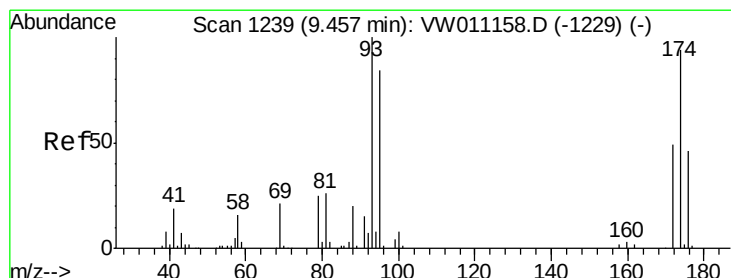
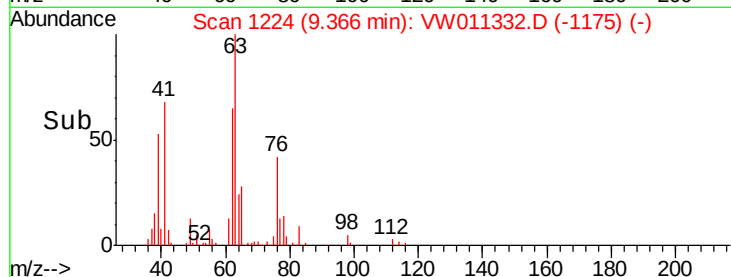
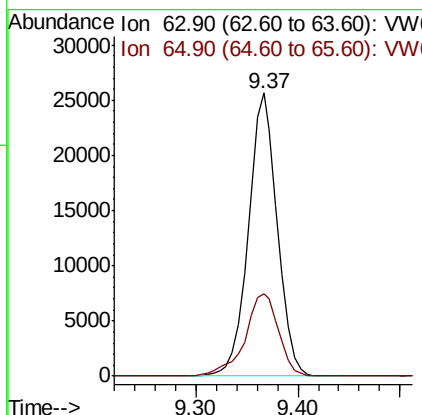
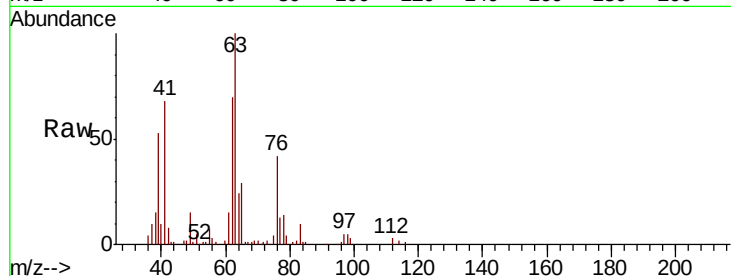




#45
 1,2-Dichloropropane
 Concen: 20.597 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

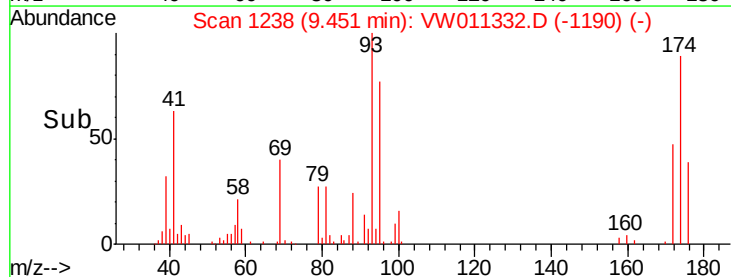
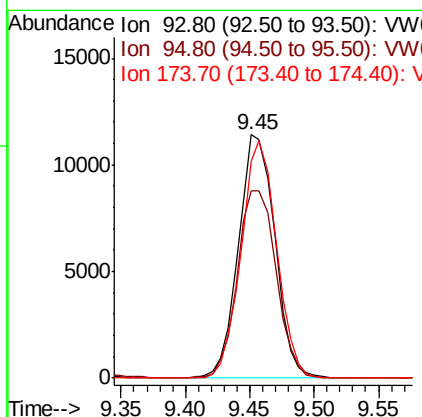
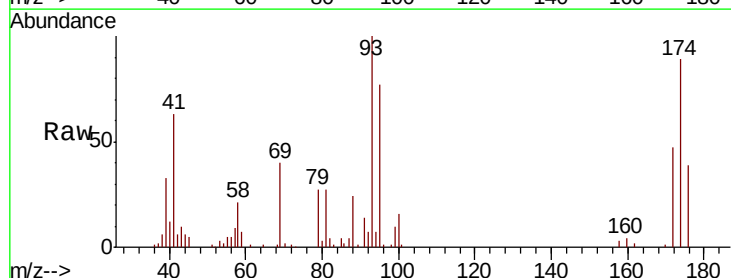
Instrument :
 MSVOA_W
 ClientSampleId :

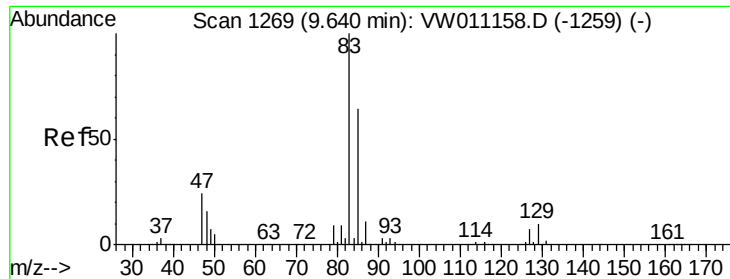
Tot Ion: 63 Resp: 50360
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.4 36.6



#46
 Dibromomethane
 Concen: 19.425 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

Tgt Ion: 93 Resp: 22310
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.2 100.8
 174 95.0 76.3 114.5

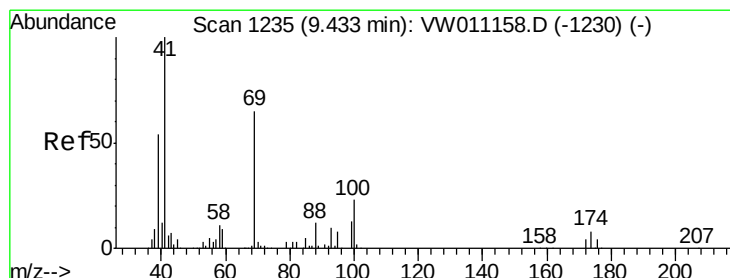
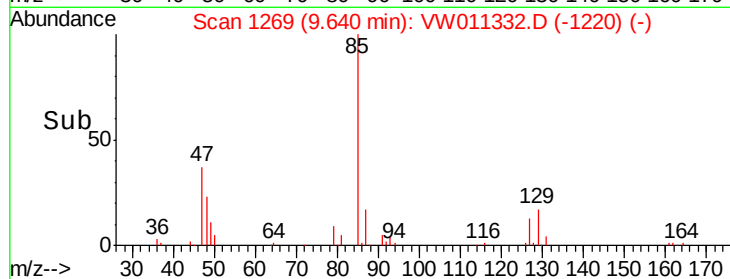
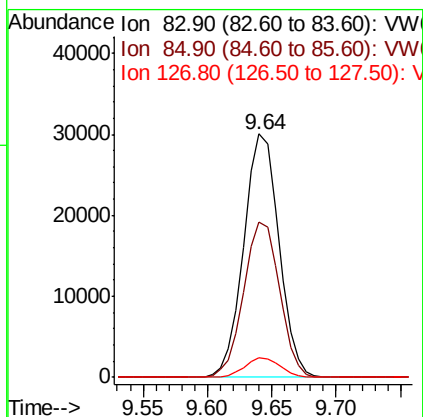
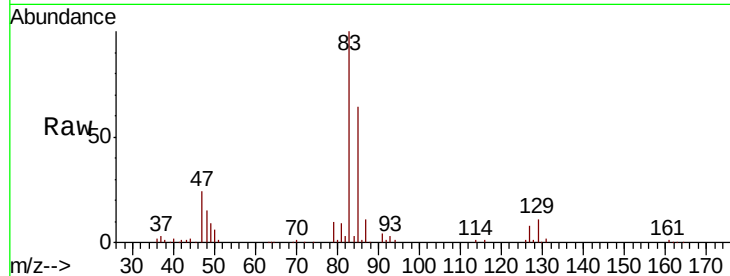




#47
Bromodichloromethane
Concen: 19.350 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

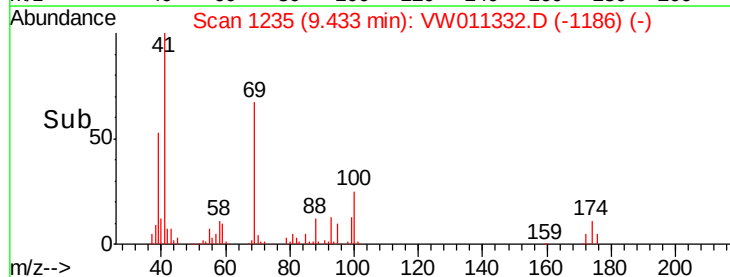
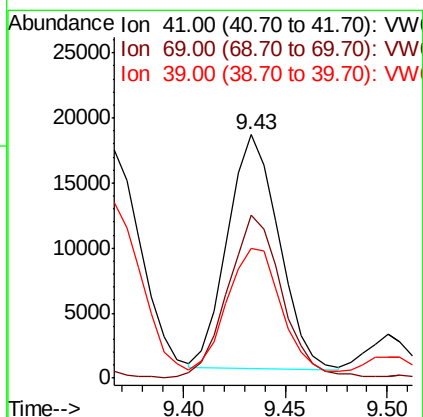
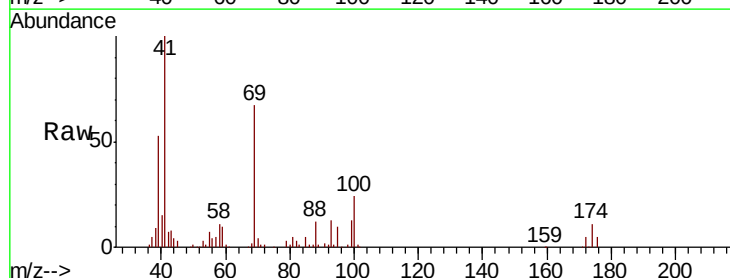
Instrument :
MSVOA_W
ClientSampleId :

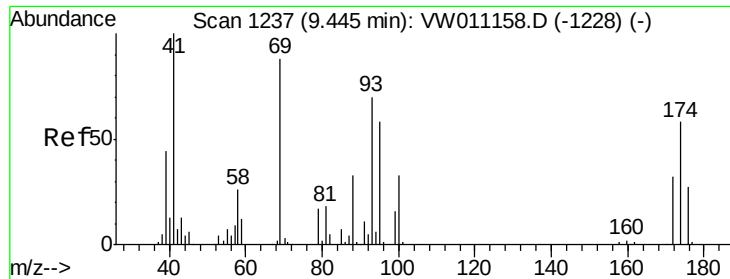
Tot Ion	83	Resp	56863
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.0	76.4
127	8.2	6.0	9.0



#48
Methyl methacrylate
Concen: 17.593 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion	41	Resp	31367
Ion Ratio	Lower	Upper	
41	100		
69	74.6	56.0	84.0
39	55.4	43.5	65.3

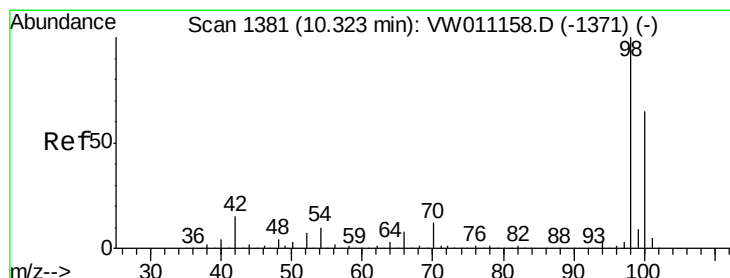
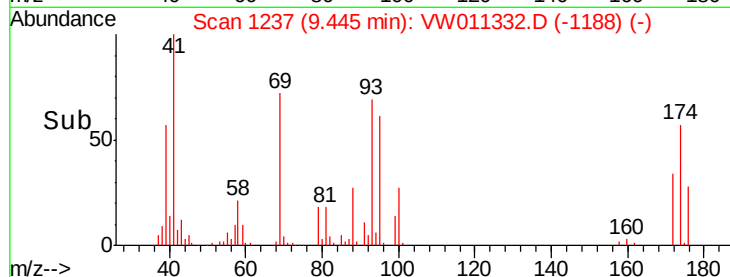
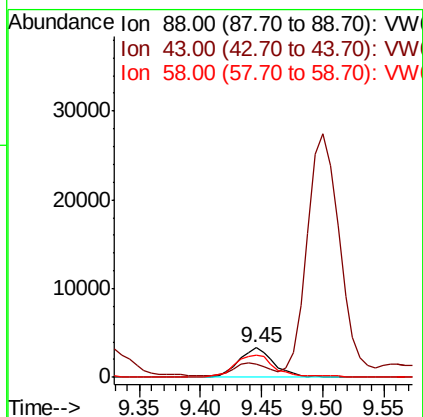
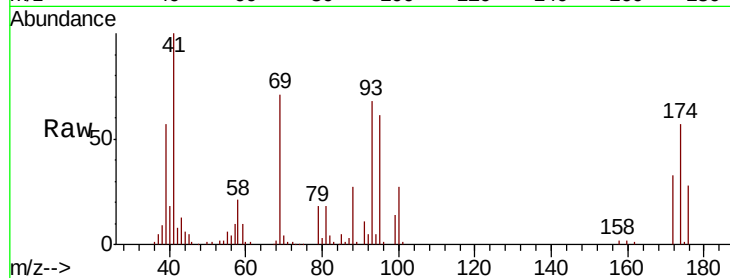




#49
1,4-Dioxane
Concen: 347.350 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

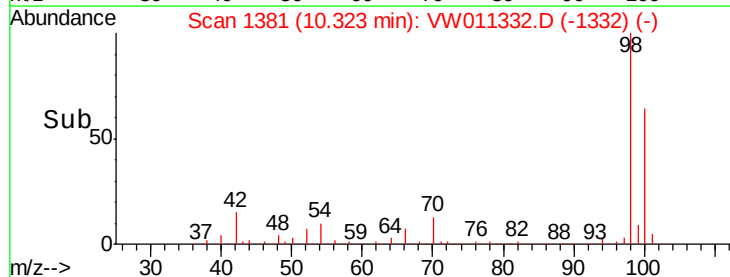
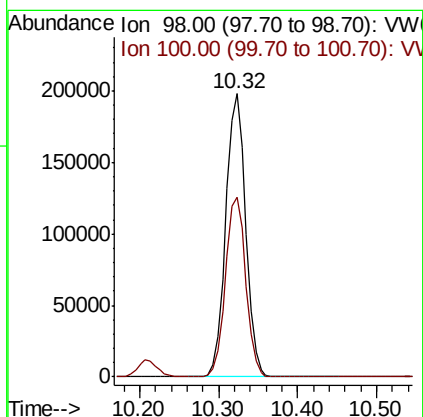
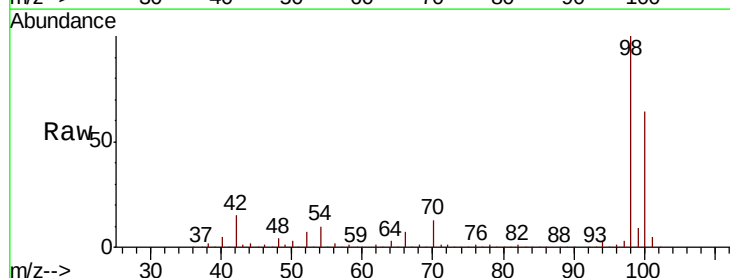
Instrument :
MSVOA_W
ClientSampleId :

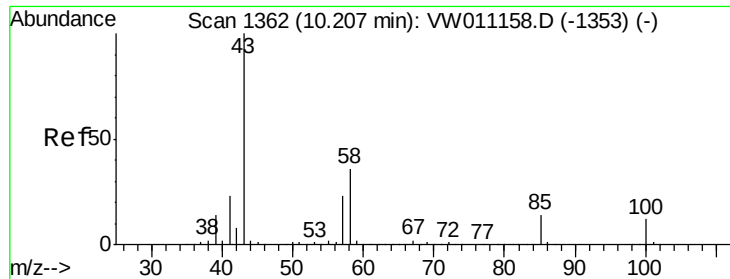
Tot Ion: 88 Resp: 6659
Ion Ratio Lower Upper
88 100
43 43.3 33.4 50.0
58 86.6 64.5 96.7



#50
Toluene-d8
Concen: 46.936 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion: 98 Resp: 346930
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 91.454 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

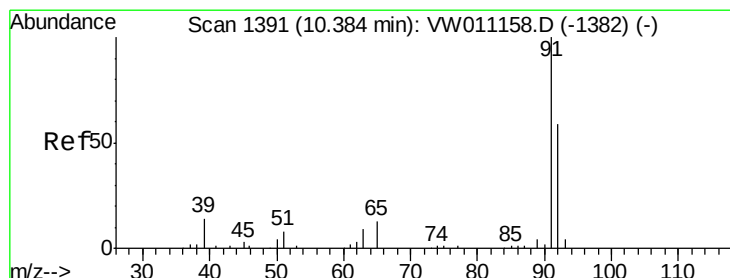
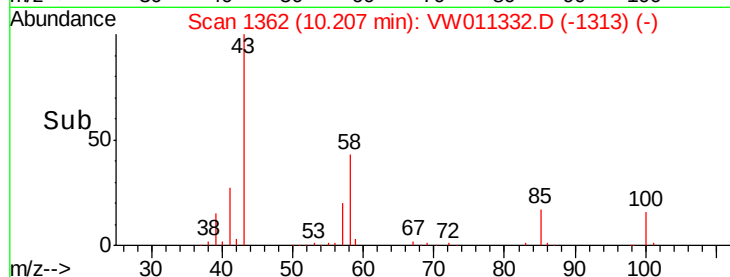
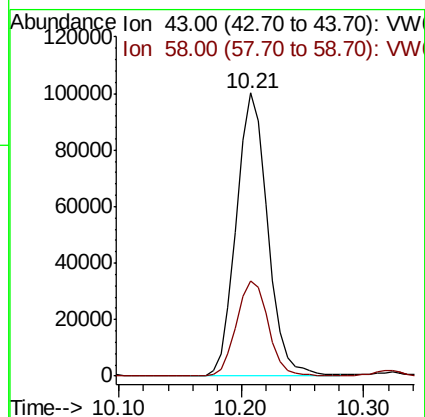
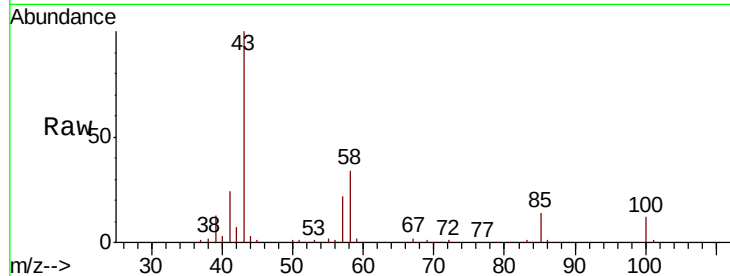
ClientSampled :

Tot Ion: 43 Resp: 177046

Ion Ratio Lower Upper

43 100

58 34.3 28.2 42.2



#52

Toluene

Concen: 20.925 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011332.D

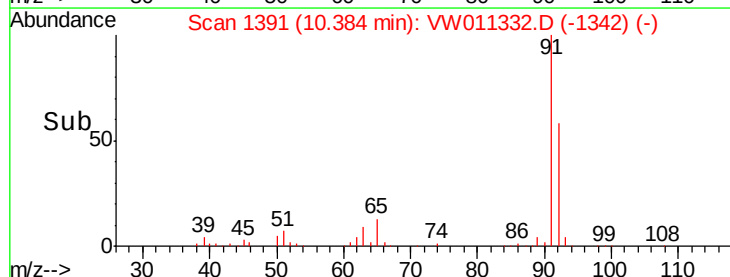
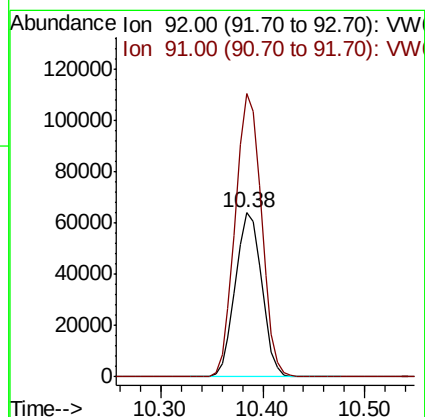
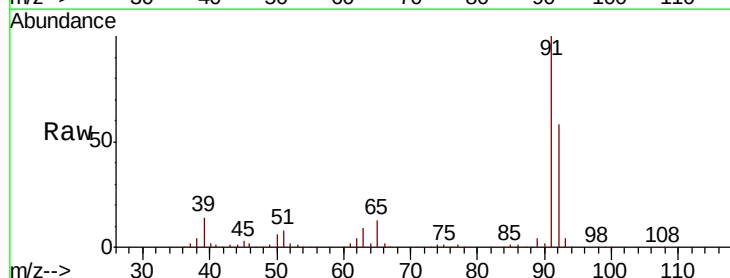
Acq: 18 Jul 2019 14:09

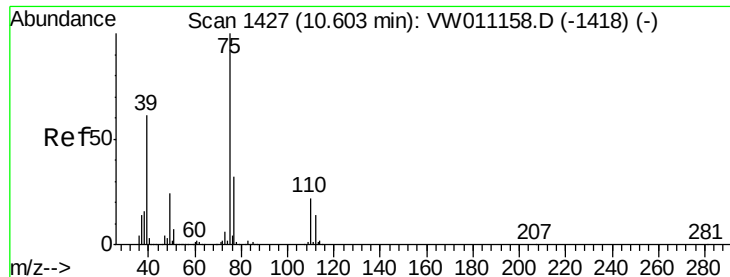
Tgt Ion: 92 Resp: 114604

Ion Ratio Lower Upper

92 100

91 171.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.092 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

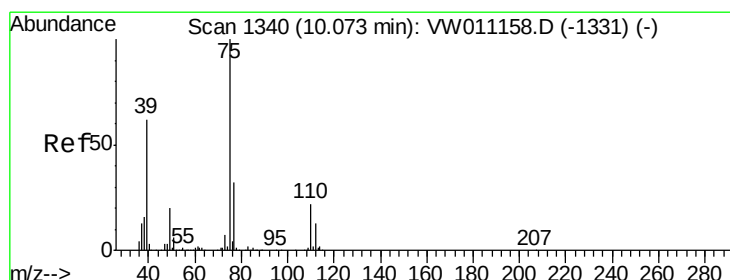
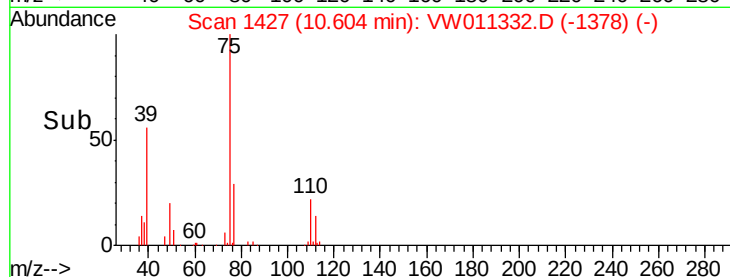
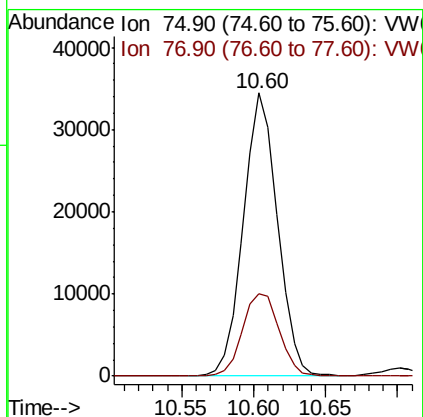
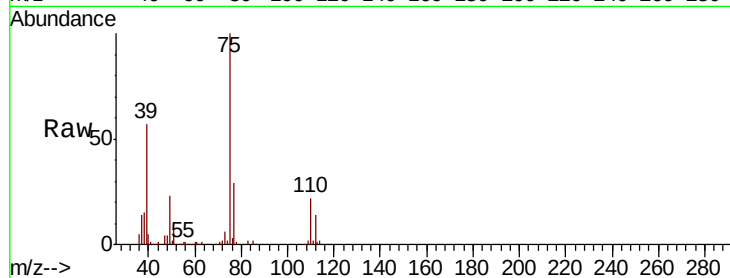
ClientSampleId :

Tot Ion: 75 Resp: 56594

Ion Ratio Lower Upper

75 100

77 29.2 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.947 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

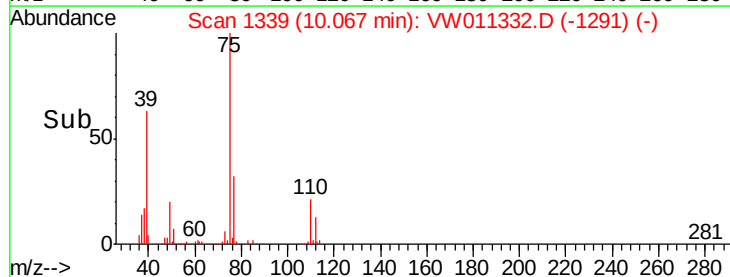
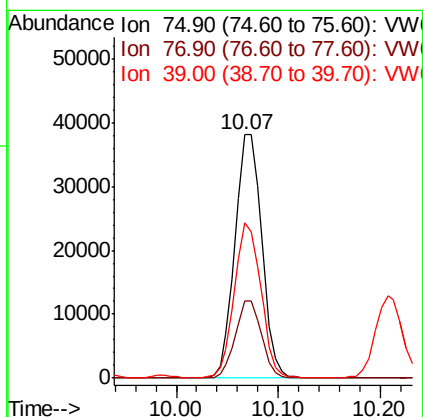
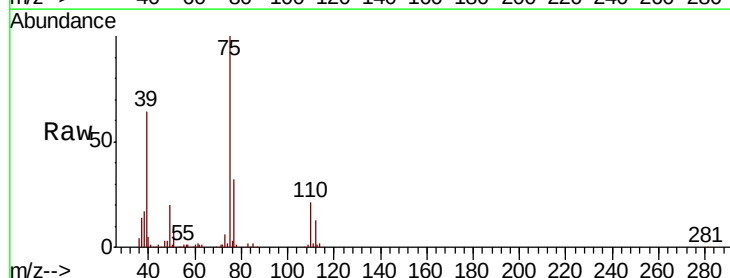
Tgt Ion: 75 Resp: 69760

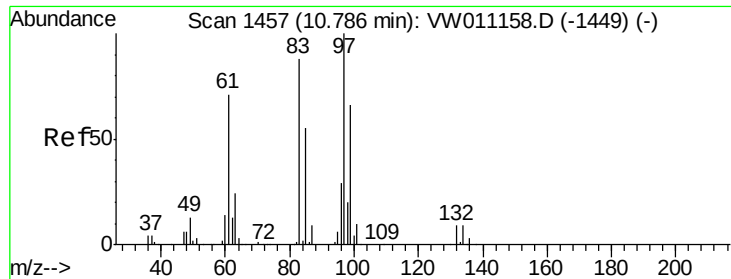
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 63.4 49.8 74.8

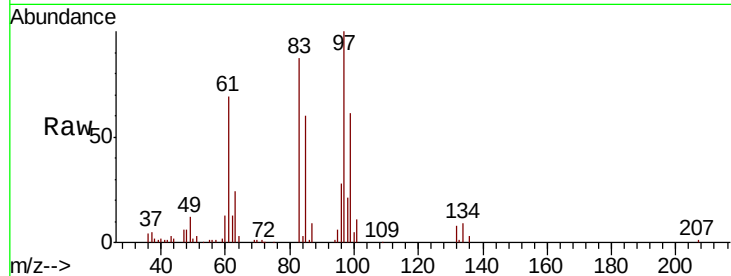




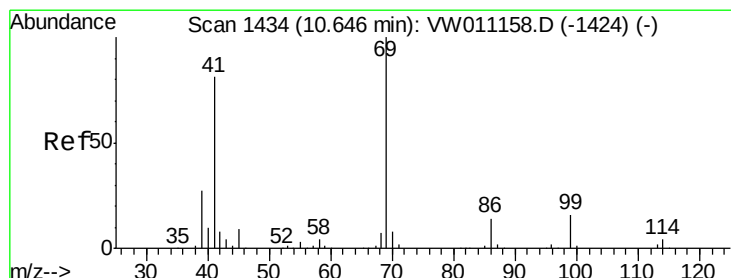
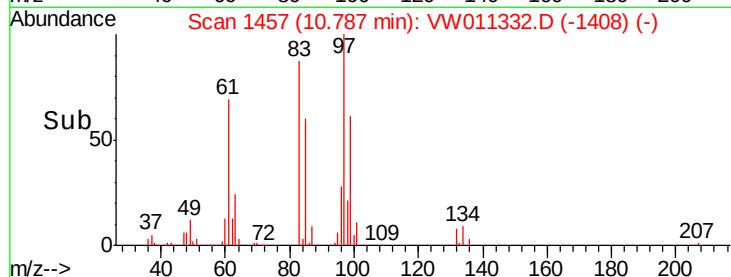
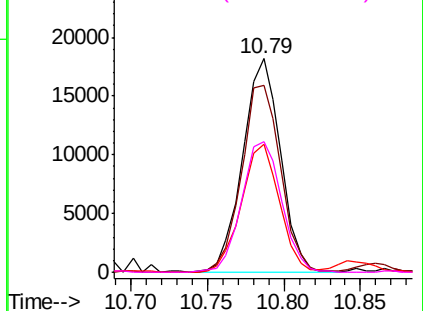
#55
1,1,2-Trichloroethane
Concen: 19.180 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 97 Resp: 31251
Ion Ratio Lower Upper
97 100
83 87.5 70.2 105.4
85 59.8 44.2 66.2
99 61.4 52.6 79.0

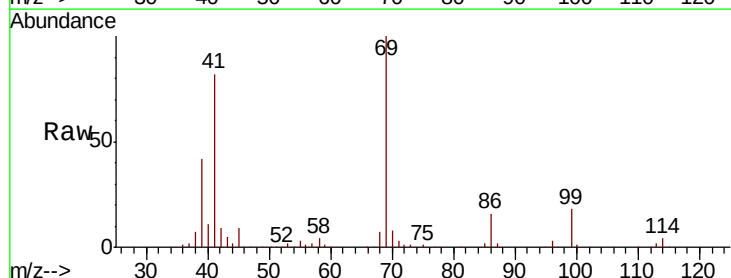


Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW

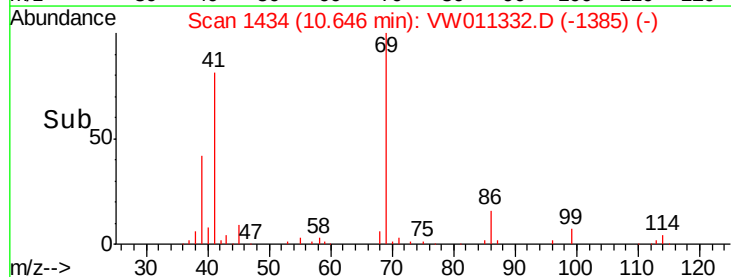
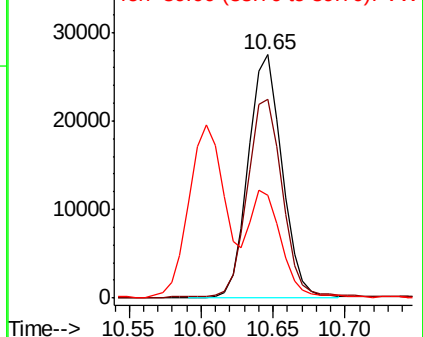


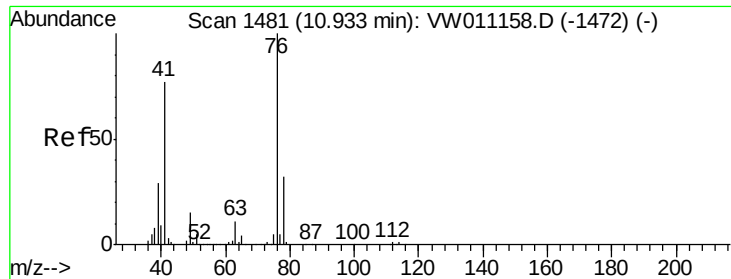
#56
Ethyl methacrylate
Concen: 18.000 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion: 69 Resp: 44651
Ion Ratio Lower Upper
69 100
41 87.2 66.5 99.7
39 40.0 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

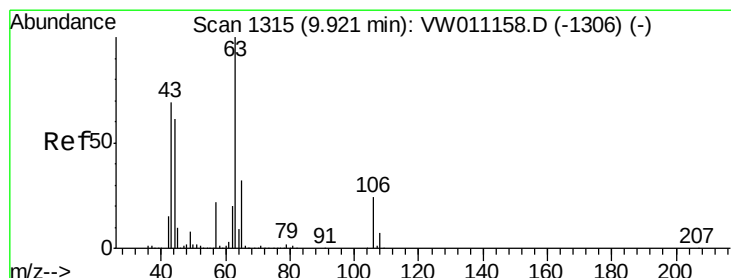
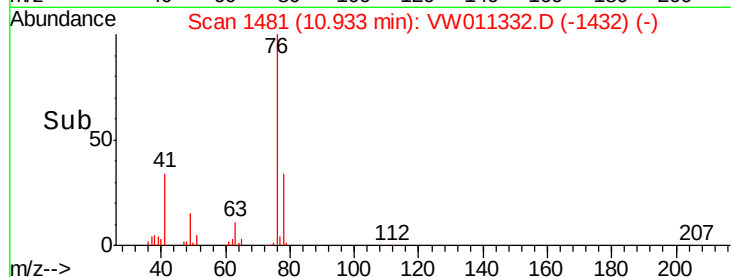
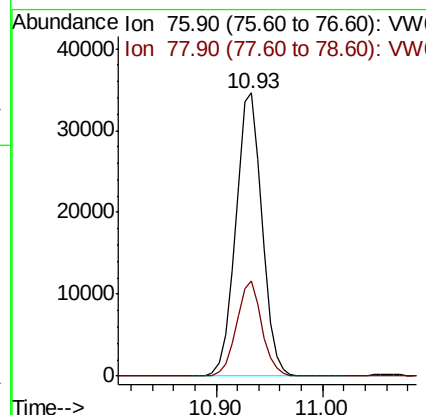
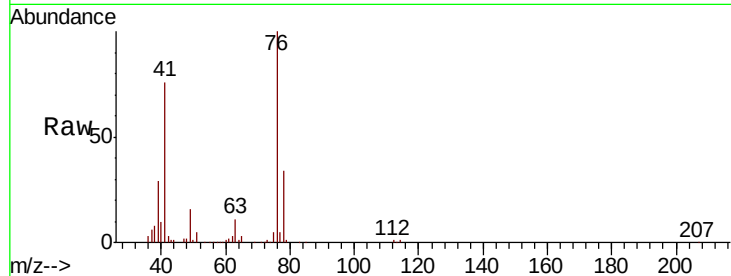




#57
 1,3-Dichloropropane
 Concen: 19.421 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

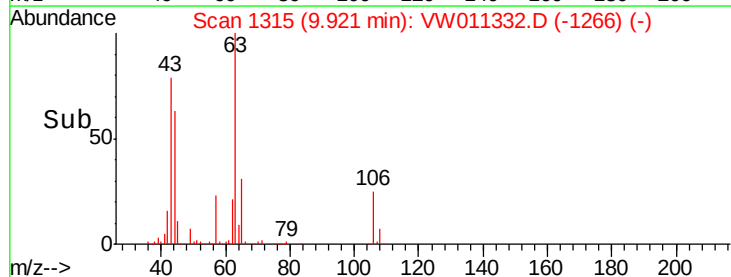
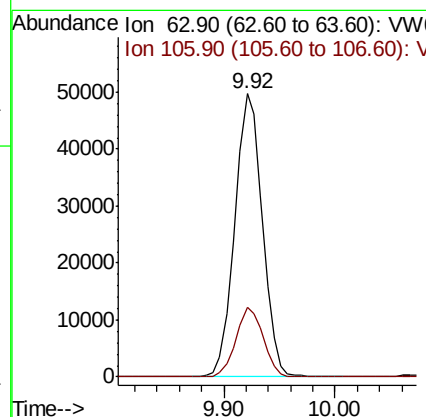
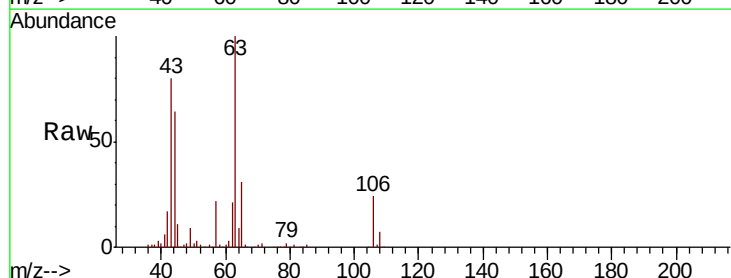
Instrument :
 MSVOA_W
 ClientSampleId :

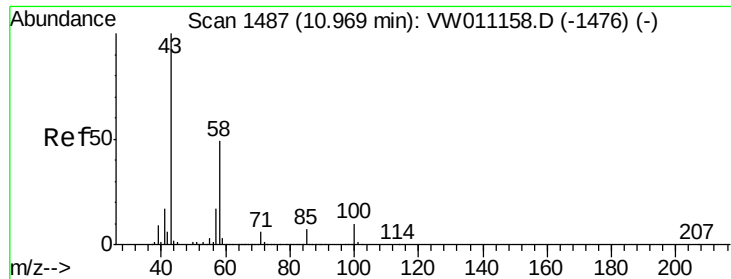
Tot Ion: 76 Resp: 59838
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 74.188 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

Tgt Ion: 63 Resp: 85319
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.4 29.0

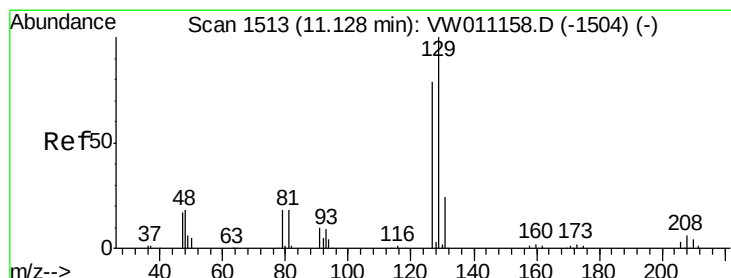
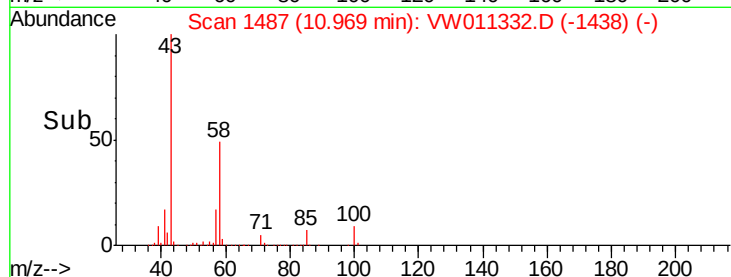
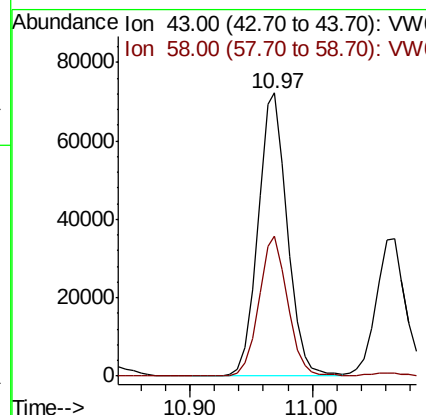
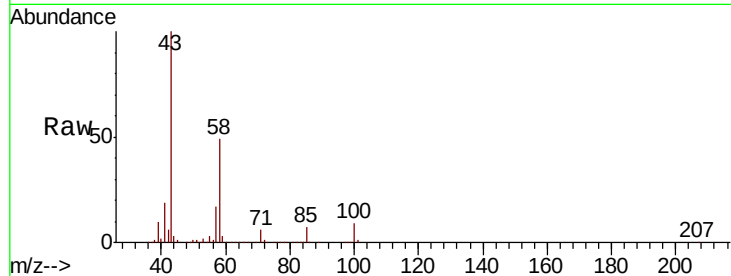




#59
2-Hexanone
Concen: 89.314 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

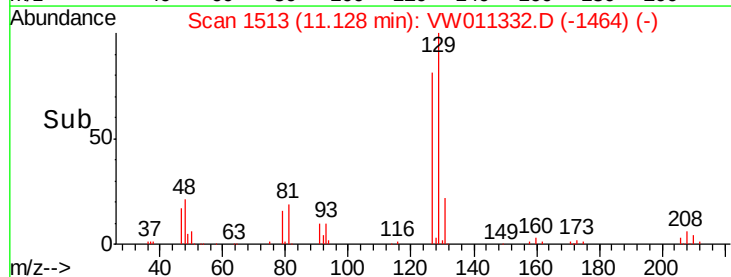
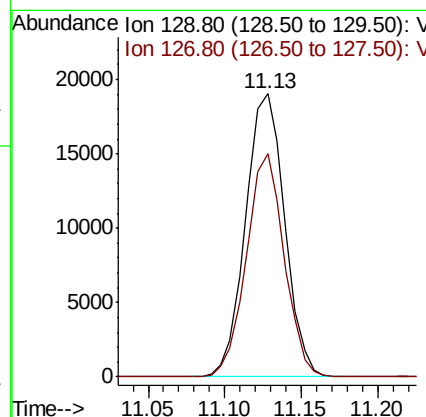
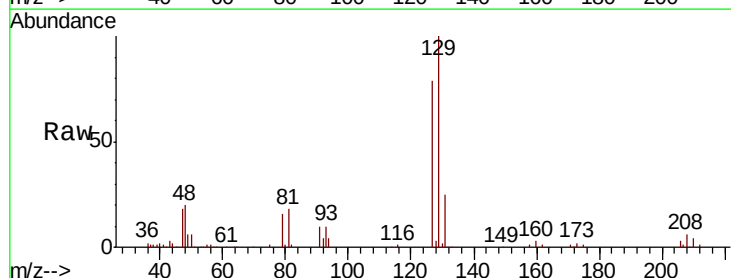
Instrument :
MSVOA_W
ClientSampleId :

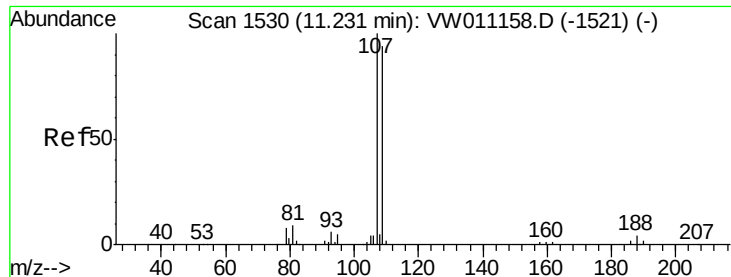
Tot Ion: 43 Resp: 119908
Ion Ratio Lower Upper
43 100
58 48.7 24.4 73.4



#60
Dibromochloromethane
Concen: 18.925 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion: 129 Resp: 33814
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.3

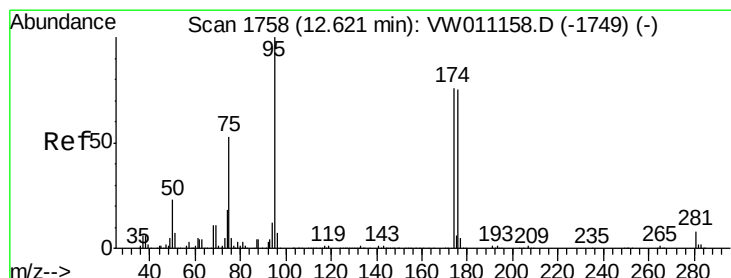
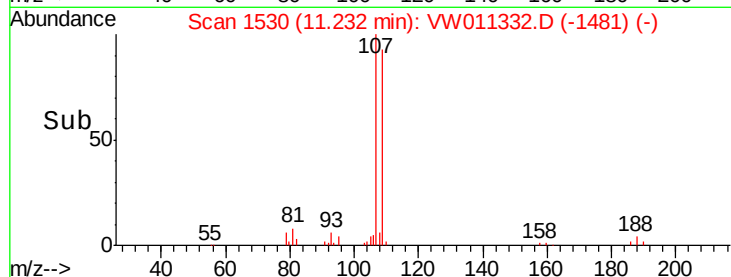
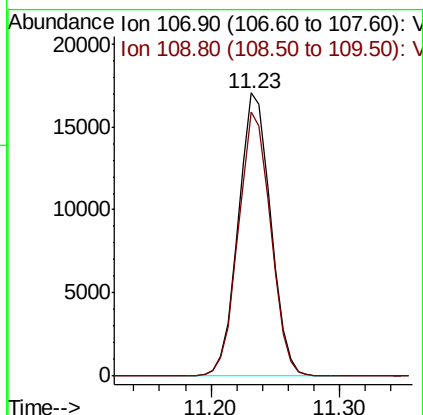
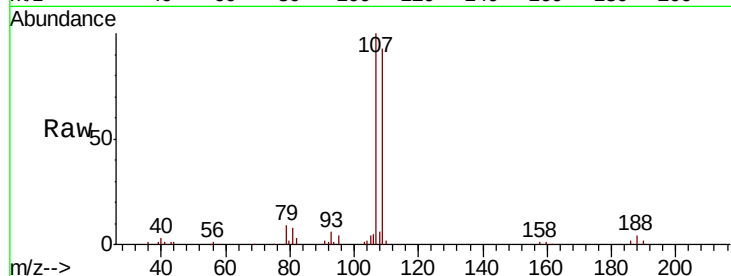




#61
 1,2-Dibromoethane
 Concen: 19.190 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

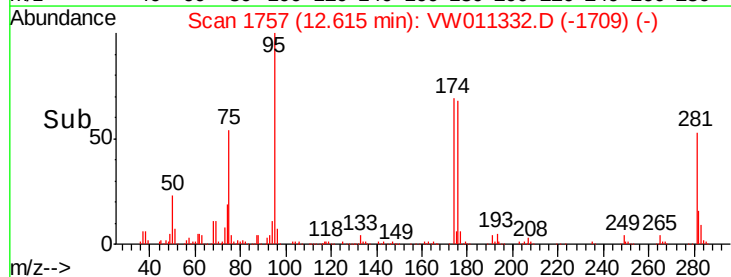
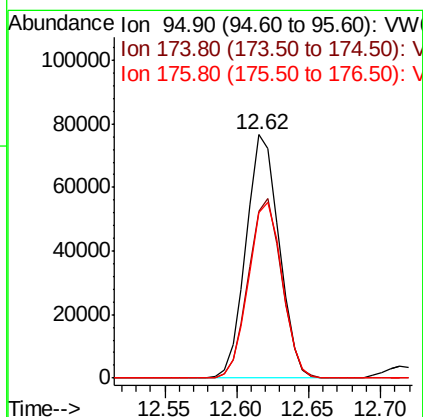
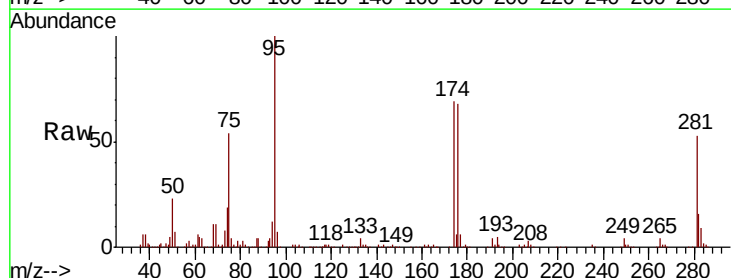
Instrument :
 MSVOA_W
 ClientSampleId :

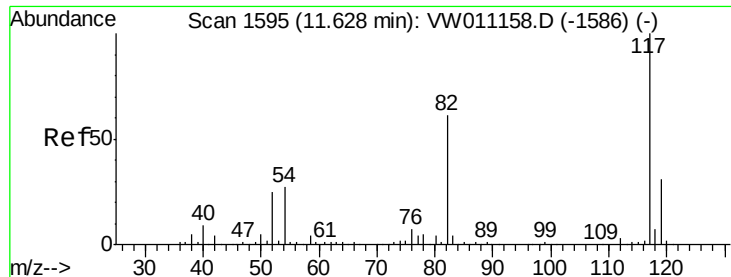
Tot Ion: 107 Resp: 29617
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 44.835 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

Tgt Ion: 95 Resp: 121468
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 147.6
 176 73.8 0.0 144.6

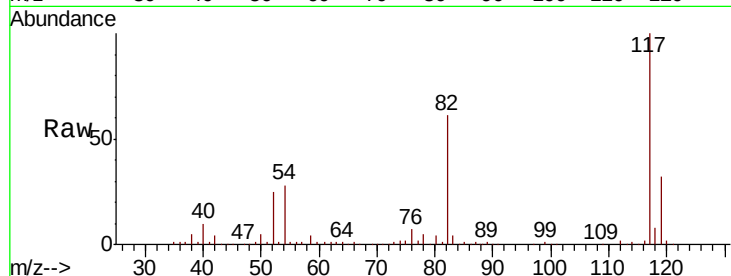




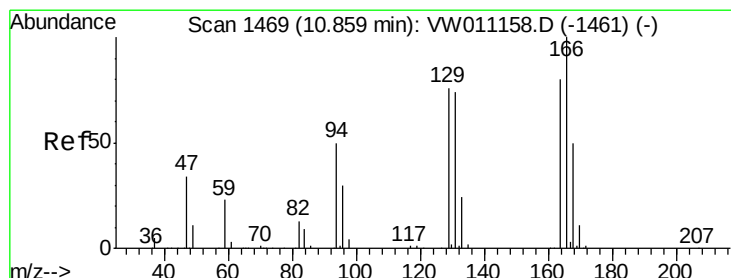
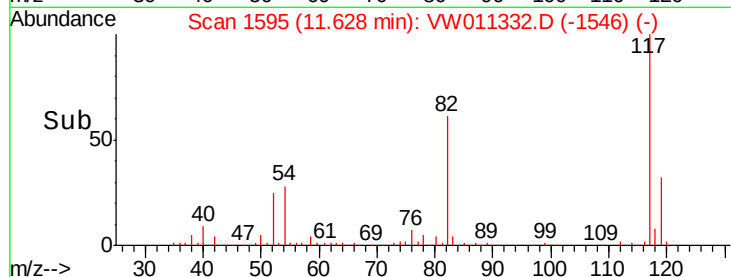
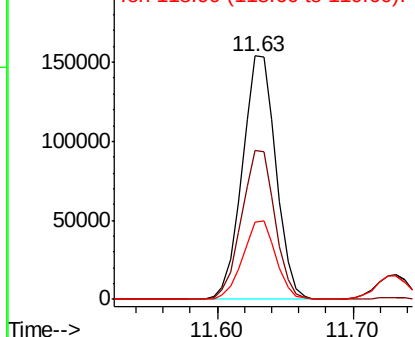
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 265941
Ion Ratio Lower Upper
117 100
82 61.2 48.9 73.3
119 31.7 25.0 37.6

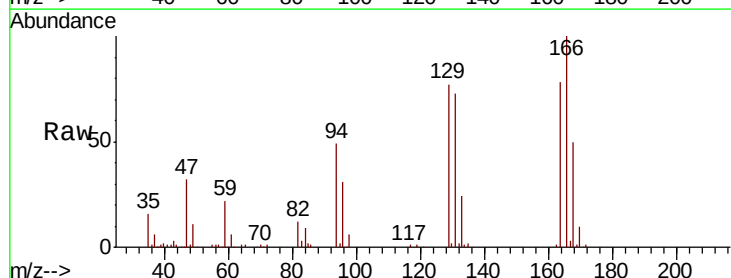


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

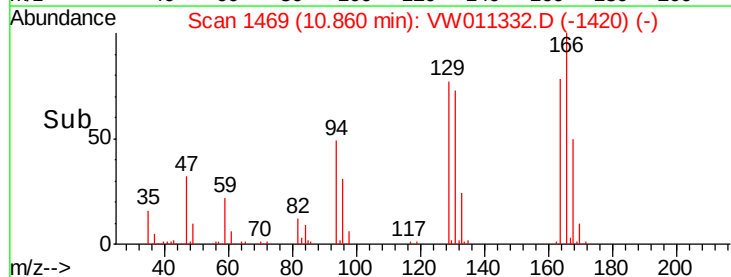
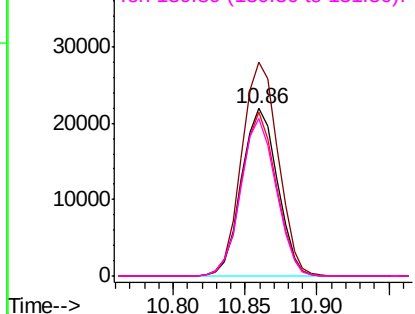


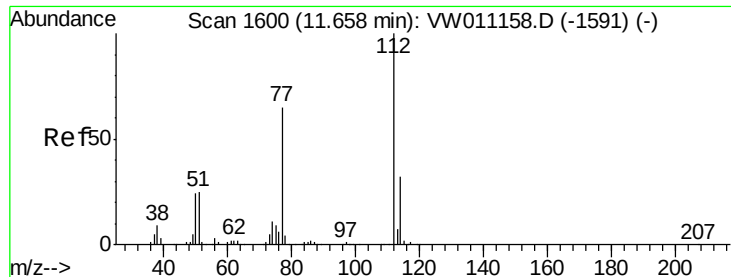
#64
Tetrachloroethene
Concen: 21.191 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion:164 Resp: 38028
Ion Ratio Lower Upper
164 100
166 127.6 99.7 149.5
129 97.9 76.2 114.2
131 93.8 74.0 111.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

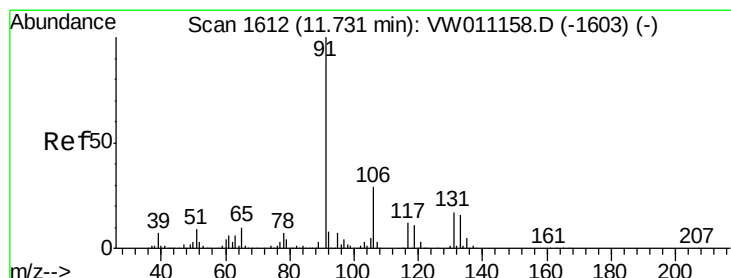
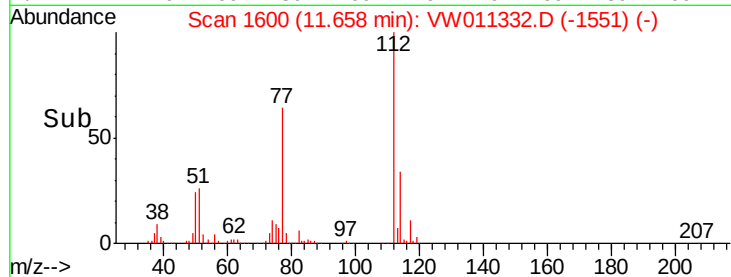
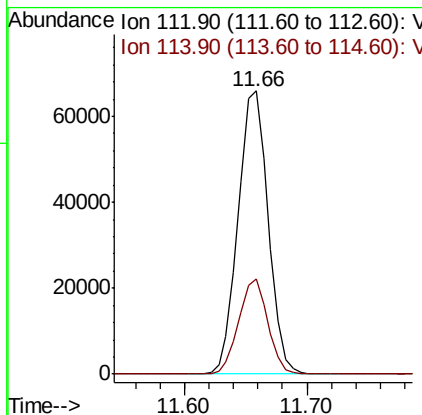
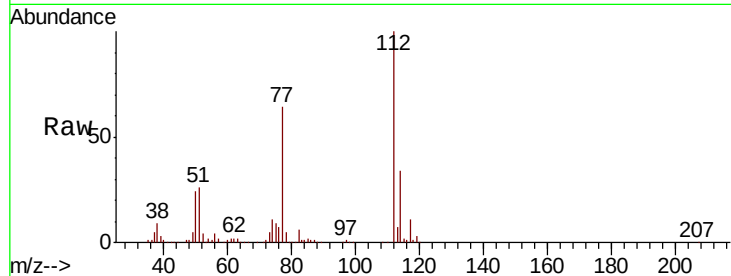




#65
Chlorobenzene
Concen: 20.750 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

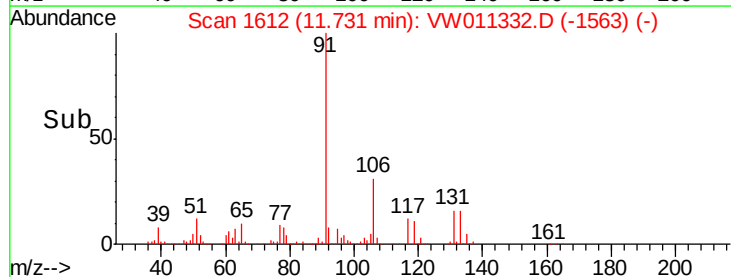
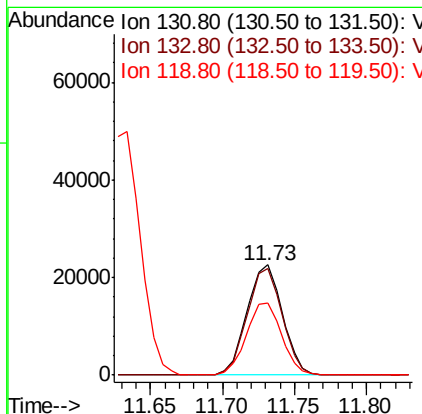
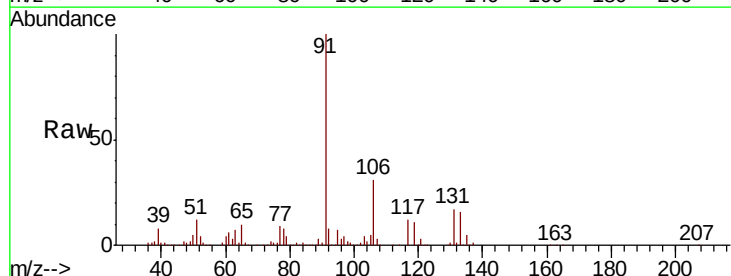
Instrument :
MSVOA_W
ClientSampleId :

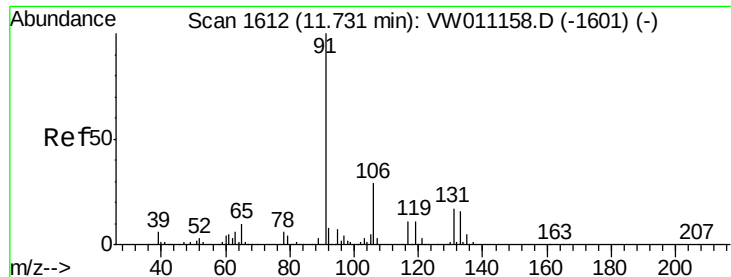
Tot Ion:112 Resp: 112192
Ion Ratio Lower Upper
112 100
114 33.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.208 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion:131 Resp: 38471
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.8
119 65.6 33.1 99.2

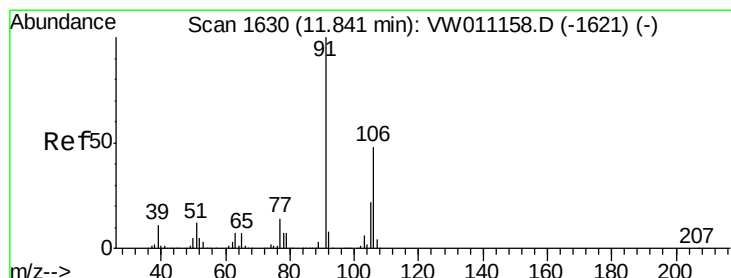
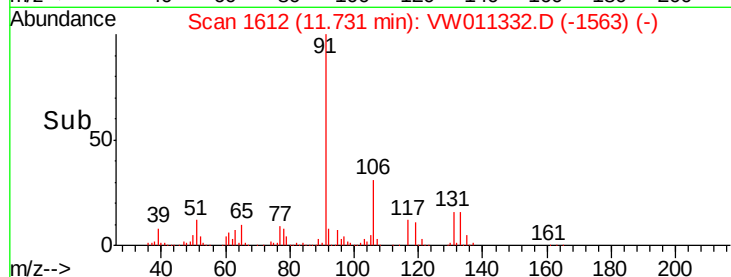
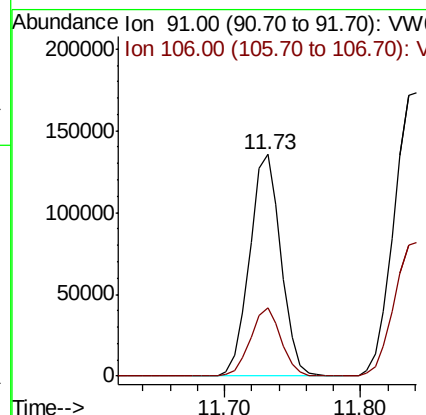
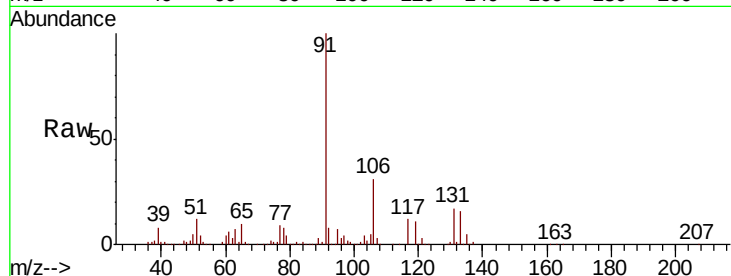




#67
Ethyl Benzene
Concen: 21.115 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

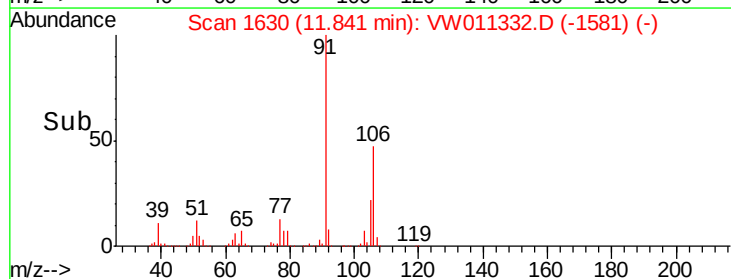
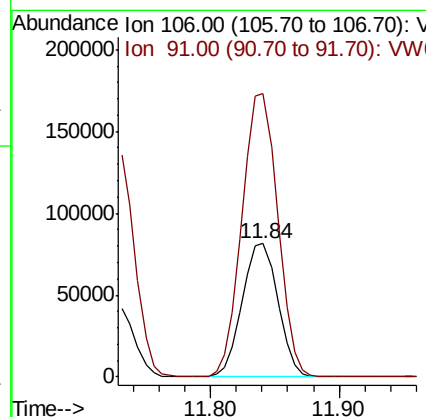
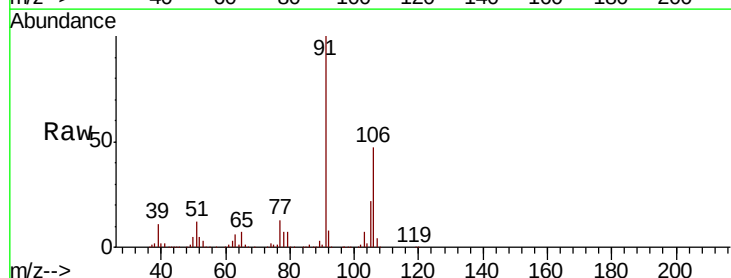
Instrument :
MSVOA_W
ClientSampleId :

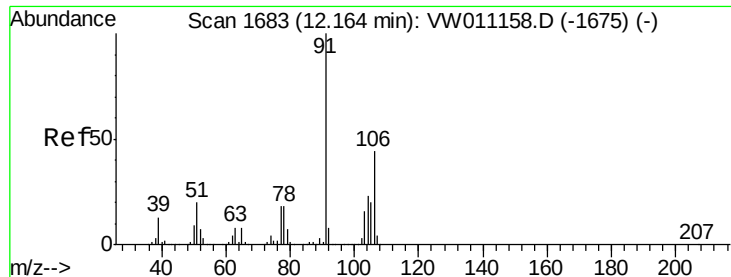
Tot Ion: 91 Resp: 218555
Ion Ratio Lower Upper
91 100
106 30.7 23.5 35.3



#68
m/p-Xylenes
Concen: 41.938 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion: 106 Resp: 157073
Ion Ratio Lower Upper
106 100
91 212.7 167.7 251.5

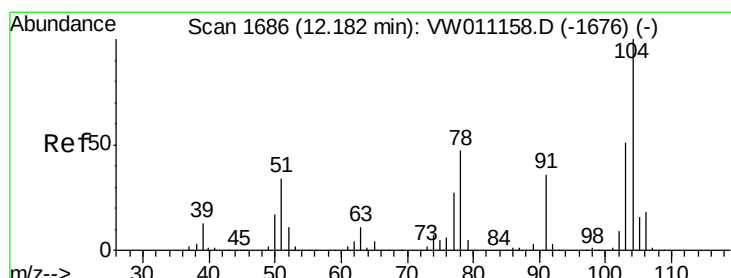
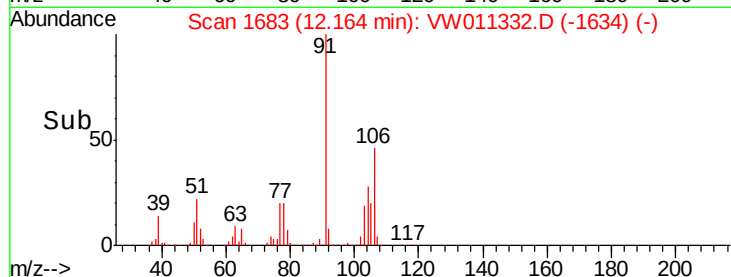
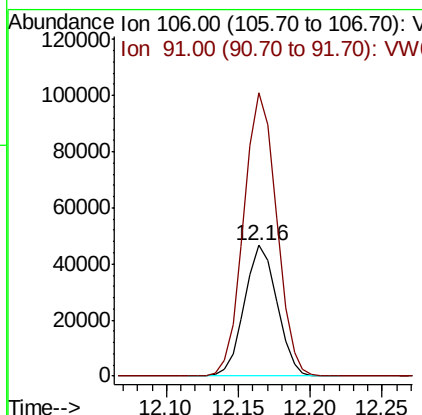
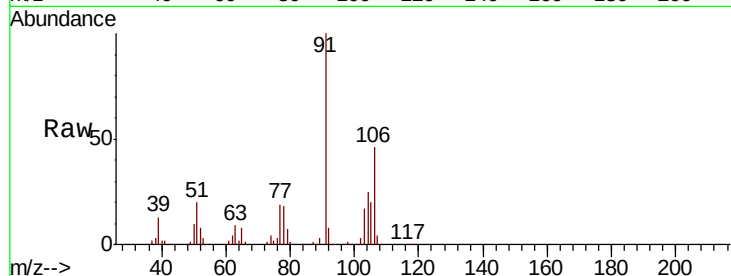




#69
o-Xylene
Concen: 20.733 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

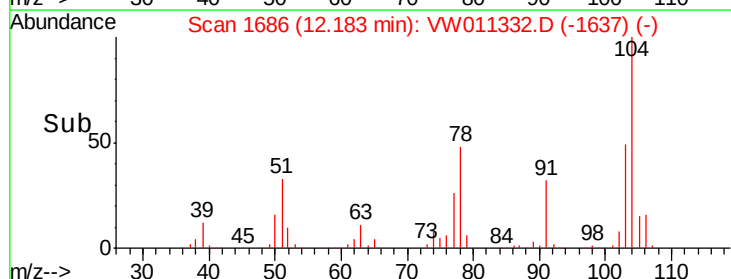
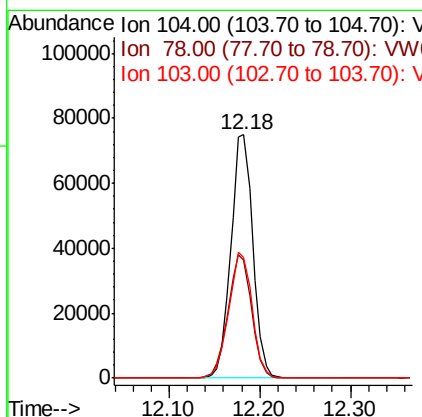
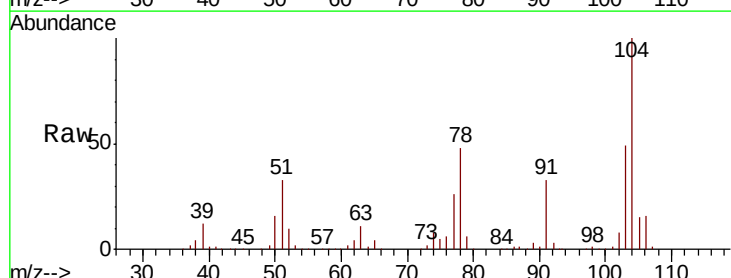
Instrument :
MSVOA_W
ClientSampled :

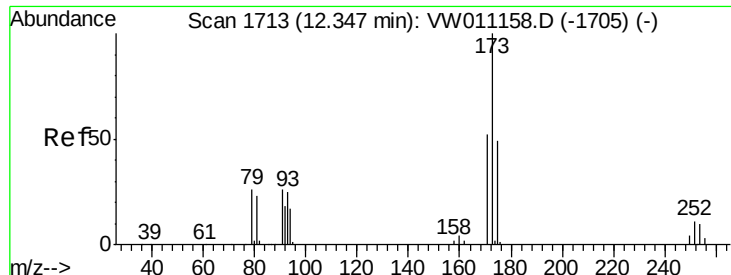
Tot Ion:106 Resp: 73187
Ion Ratio Lower Upper
106 100
91 218.7 110.7 332.1



#70
Styrene
Concen: 20.675 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion:104 Resp: 125959
Ion Ratio Lower Upper
104 100
78 54.4 43.1 64.7
103 54.9 44.1 66.1





#71

Bromoform

Concen: 17.663 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

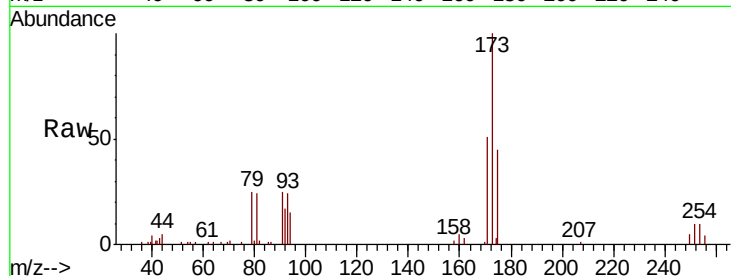
Tot Ion:173 Resp: 17878

Ion Ratio Lower Upper

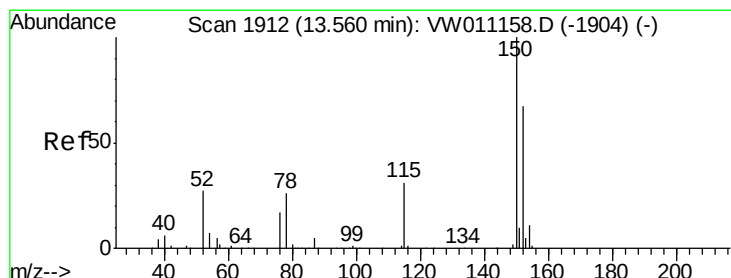
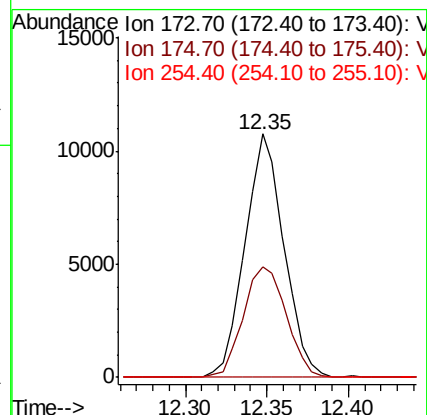
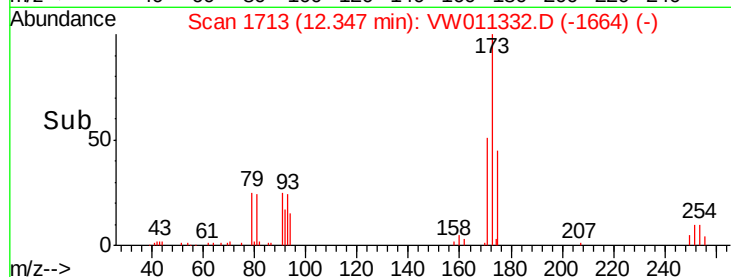
173 100

175 49.9 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: VW011332.D

Acq: 18 Jul 2019 14:09

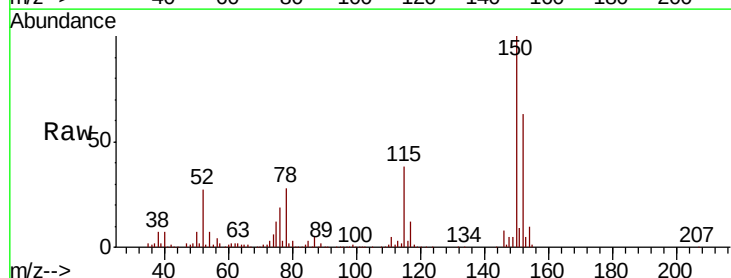
Tgt Ion:152 Resp: 129065

Ion Ratio Lower Upper

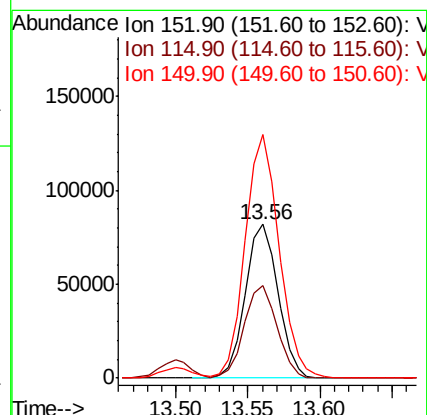
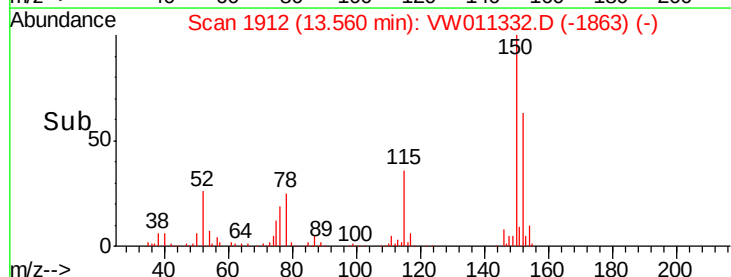
152 100

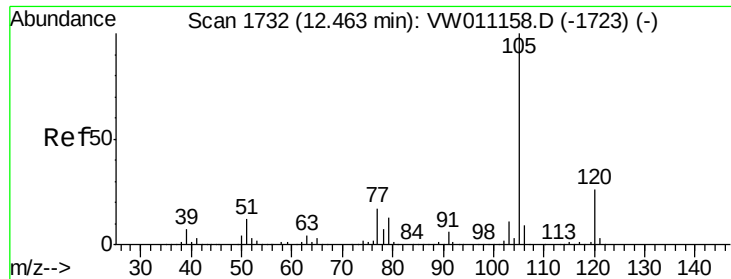
115 60.4 30.1 90.3

150 163.7 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: 21.225 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

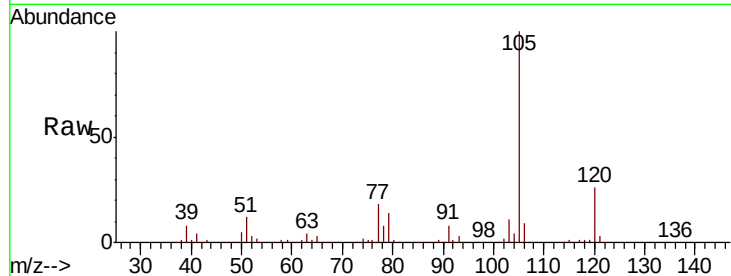
ClientSampled :

Tot Ion:105 Resp: 204776

Ion Ratio Lower Upper

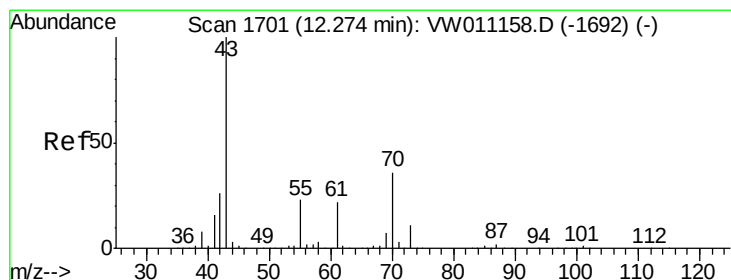
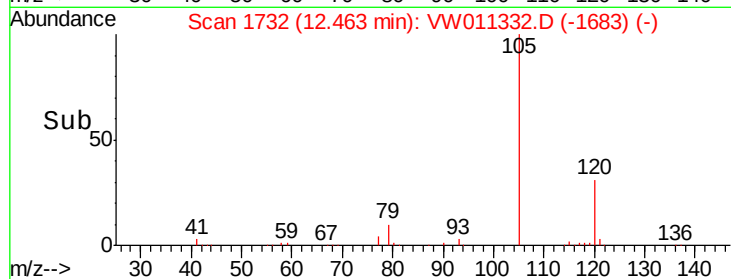
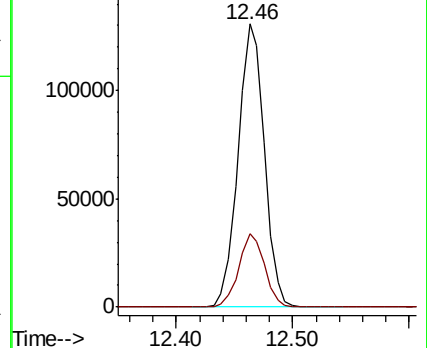
105 100

120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.151 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Tgt Ion: 43 Resp: 60990

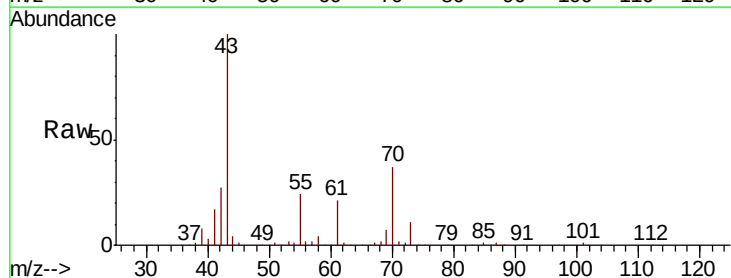
Ion Ratio Lower Upper

43 100

70 36.8 28.5 42.7

55 24.3 18.1 27.1

61 21.1 17.2 25.8

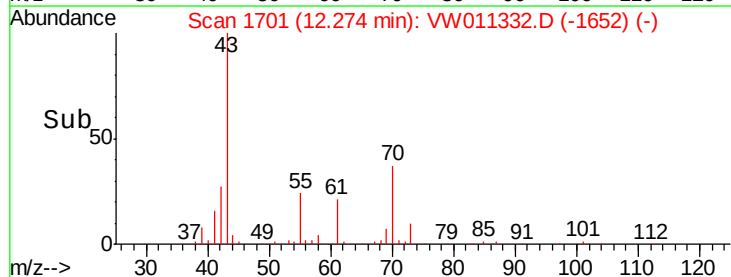
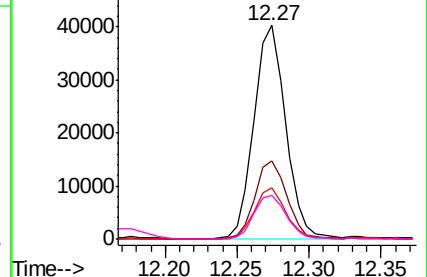


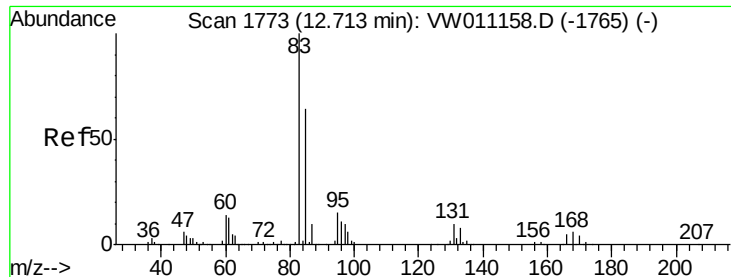
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.517 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

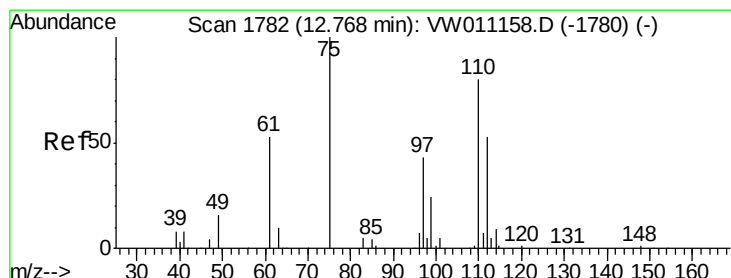
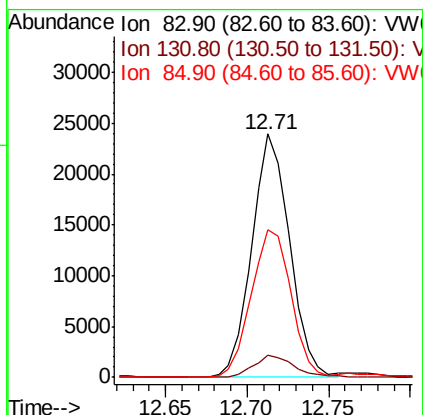
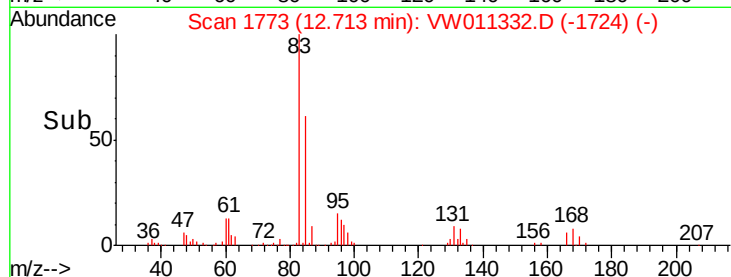
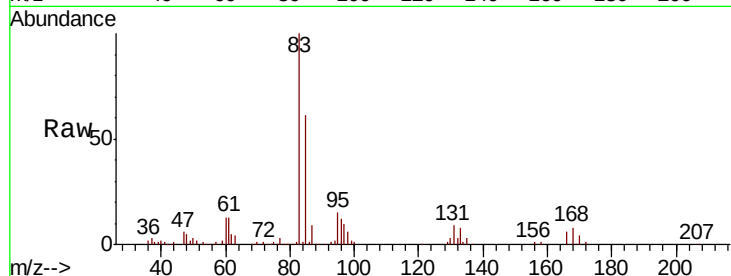
Tot Ion: 83 Resp: 38600

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

85 64.0 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 32.550 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011332.D

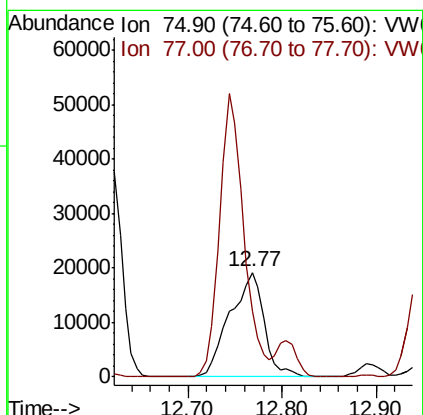
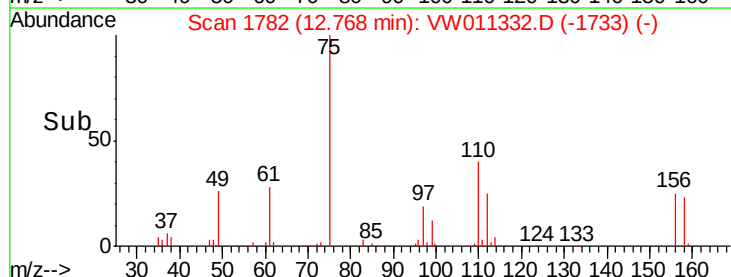
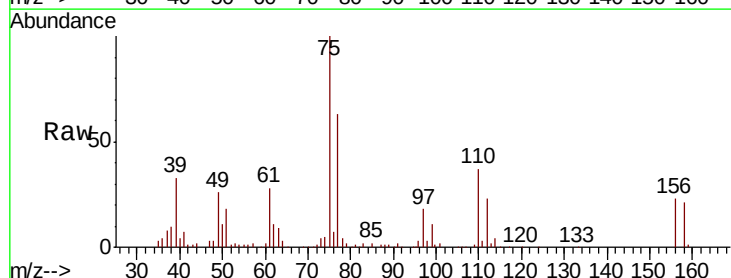
Acq: 18 Jul 2019 14:09

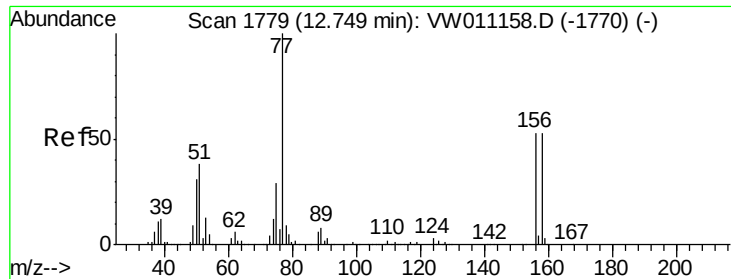
Tgt Ion: 75 Resp: 48549

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.221 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

ClientSampled :

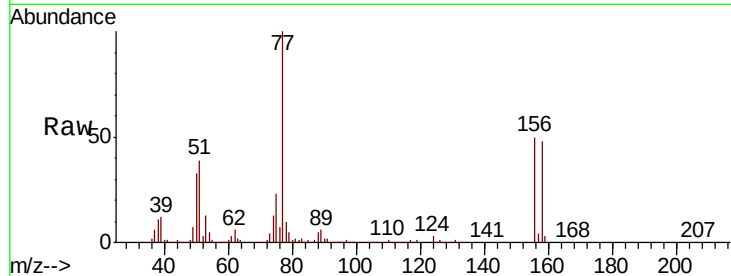
Tot Ion:156 Resp: 43782

Ion Ratio Lower Upper

156 100

77 214.1 109.0 327.0

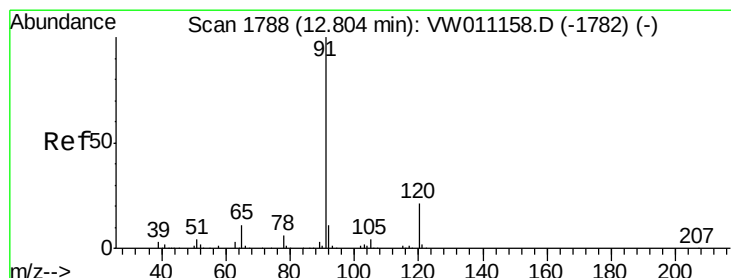
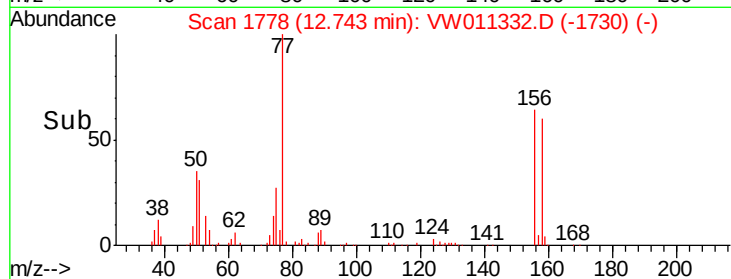
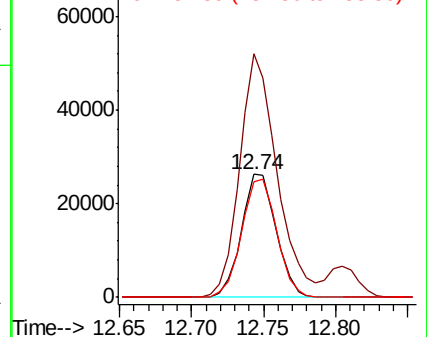
158 97.5 48.8 146.3



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: 21.285 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011332.D

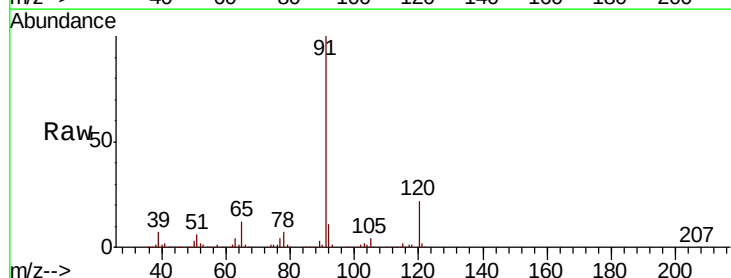
Acq: 18 Jul 2019 14:09

Tgt Ion: 91 Resp: 252969

Ion Ratio Lower Upper

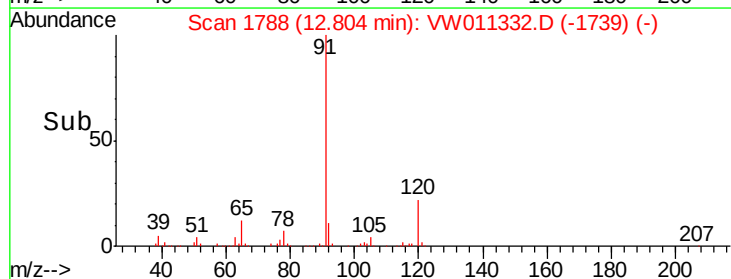
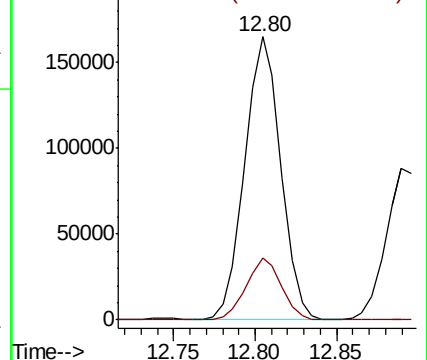
91 100

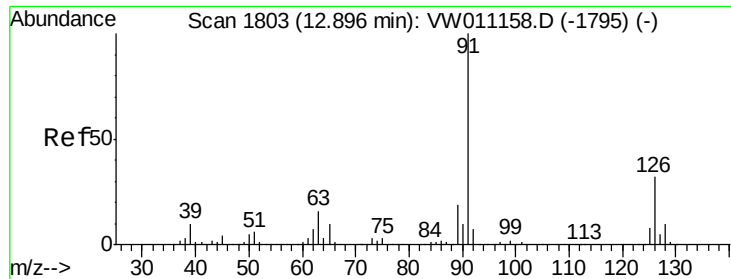
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

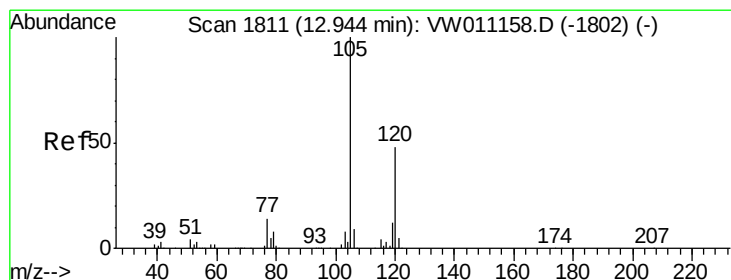
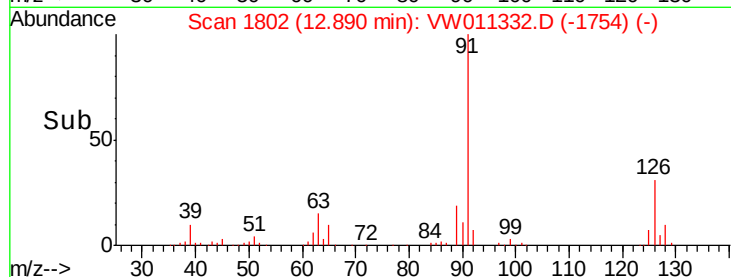
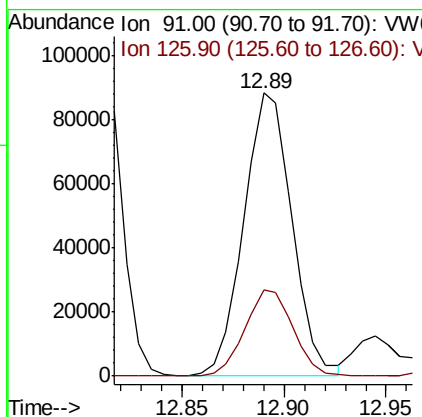
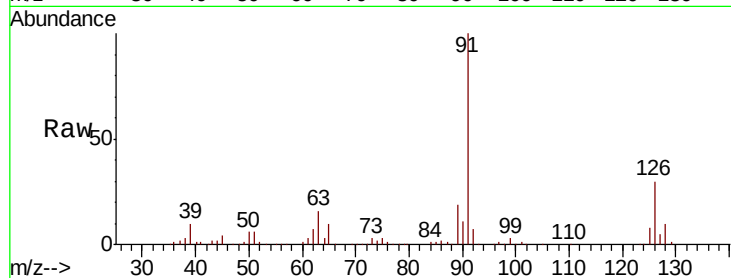




#79
 2-Chlorotoluene
 Concen: 21.177 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

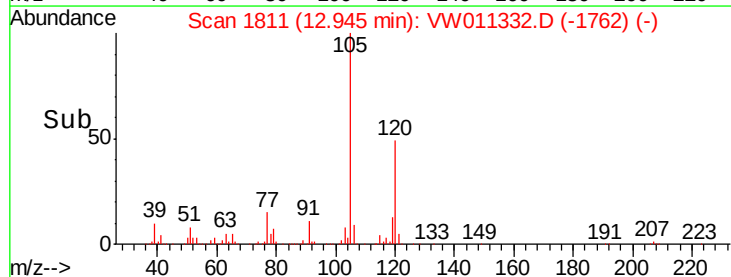
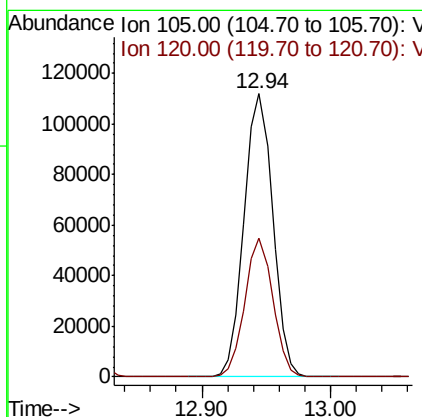
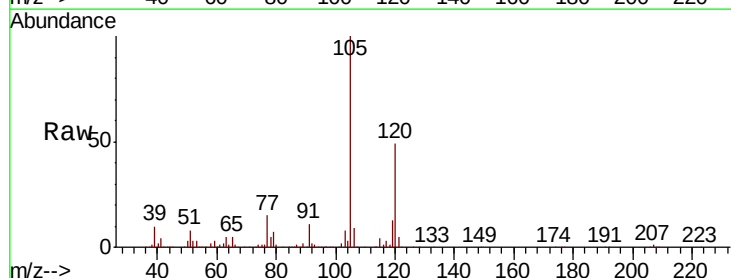
Instrument :
 MSVOA_W
 ClientSampleId :

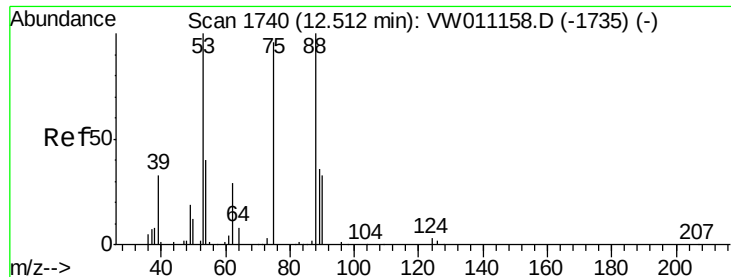
Tot Ion: 91 Resp: 144837
 Ion Ratio Lower Upper
 91 100
 126 30.5 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.000 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

Tgt Ion:105 Resp: 172129
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.2

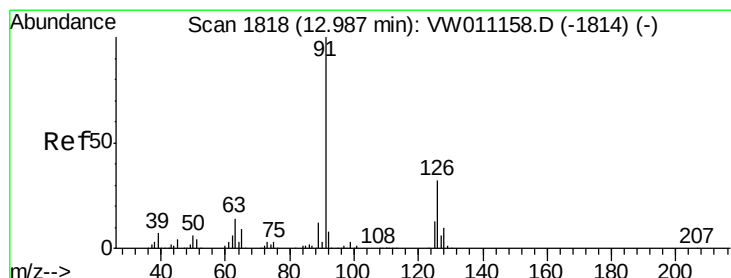
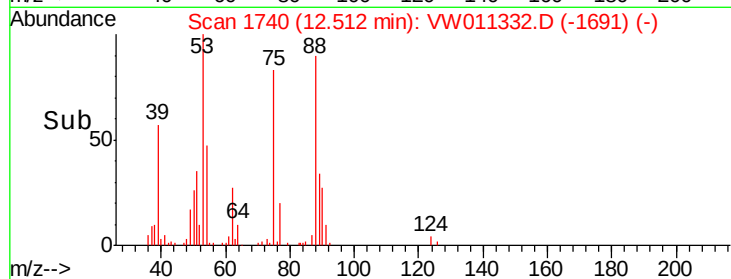
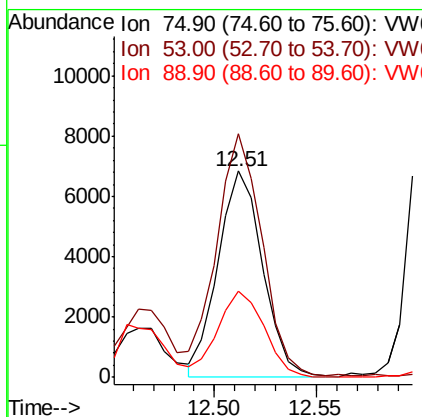
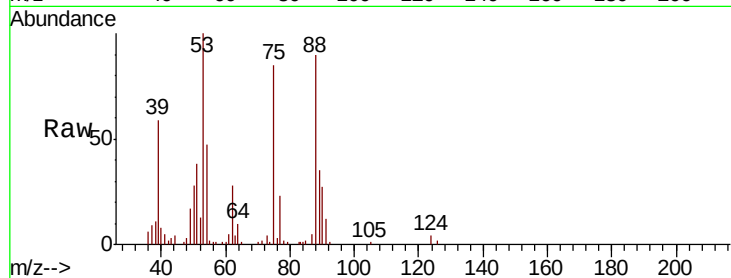




#81
trans-1,4-Dichloro-2-butene
Concen: 15.780 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

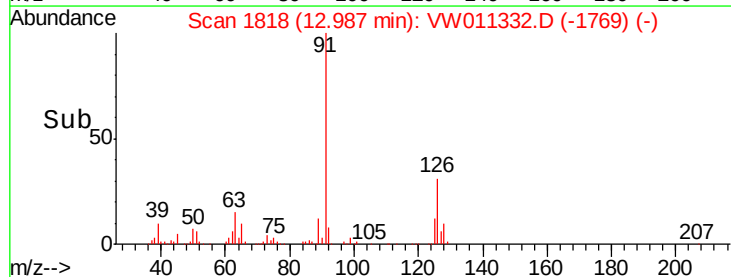
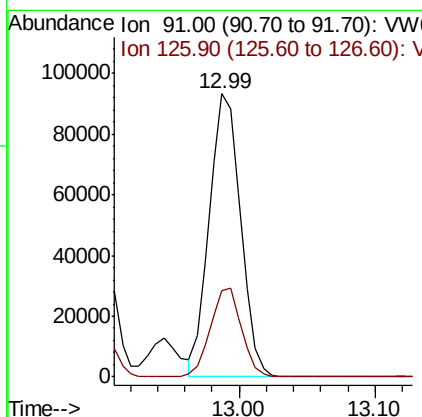
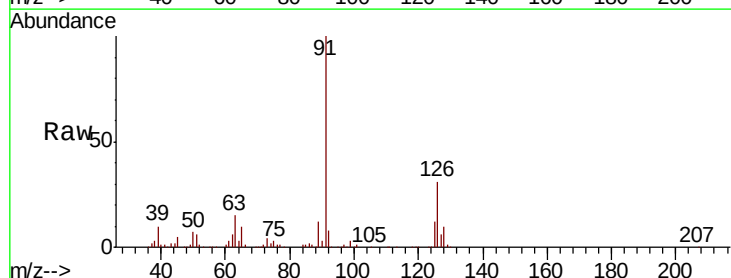
Instrument :
MSVOA_W
ClientSampleId :

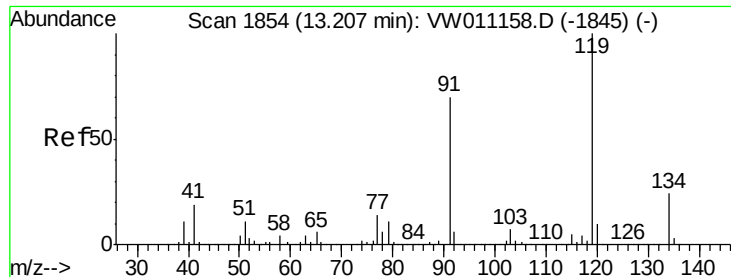
Tot Ion: 75 Resp: 10406
Ion Ratio Lower Upper
75 100
53 121.0 89.8 134.6
89 43.3 34.3 51.5



#82
4-Chlorotoluene
Concen: 20.844 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion: 91 Resp: 148480
Ion Ratio Lower Upper
91 100
126 31.3 15.7 47.1

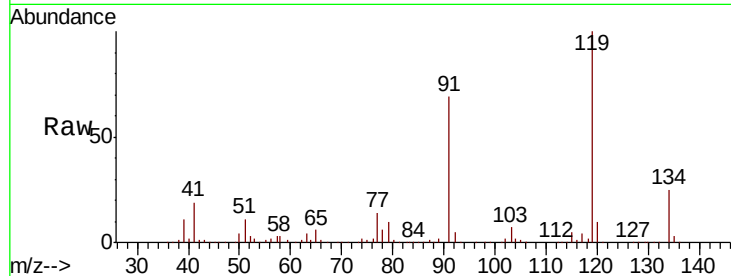




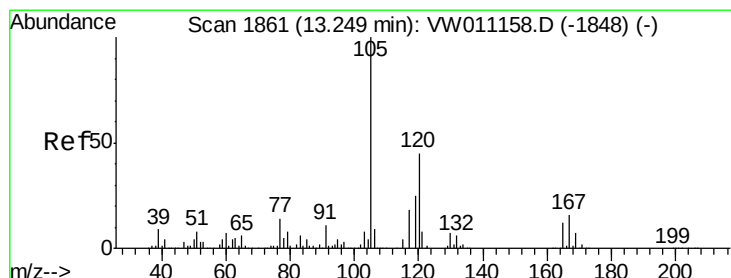
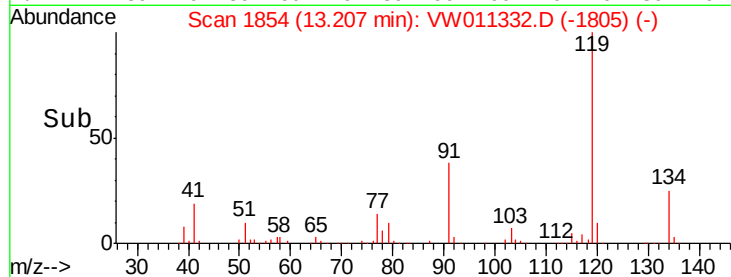
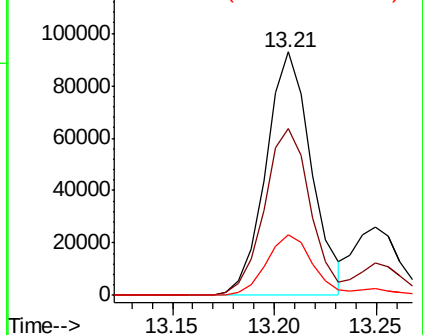
#83
tert-Butylbenzene
Concen: 21.136 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 144484
Ion Ratio Lower Upper
119 100
91 69.3 35.4 106.3
134 25.2 13.4 40.2

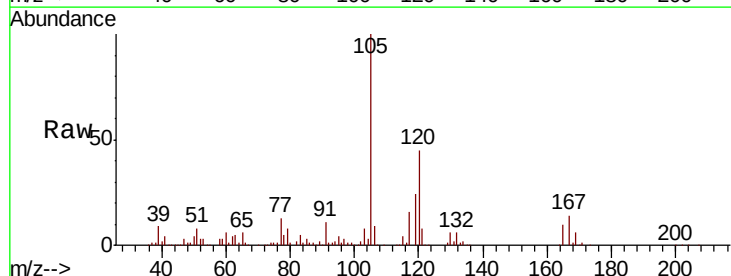


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

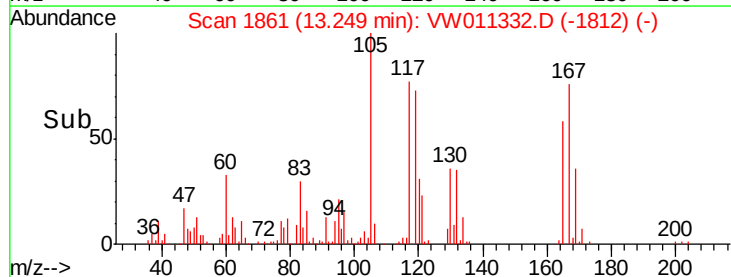
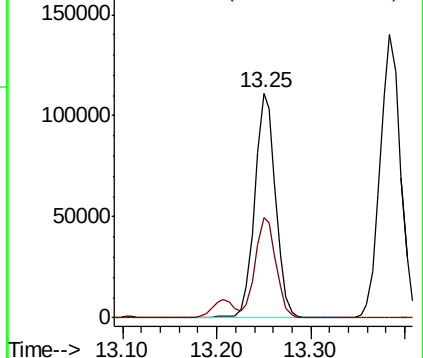


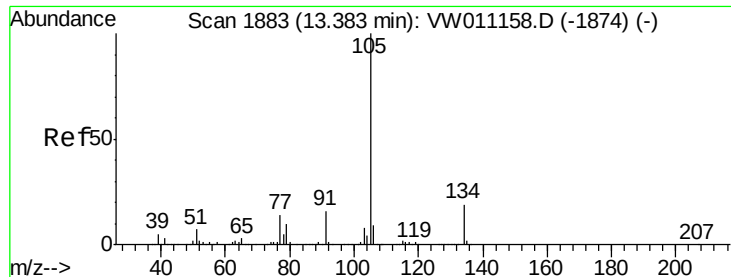
#84
1,2,4-Trimethylbenzene
Concen: 21.078 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011332.D
Acq: 18 Jul 2019 14:09

Tgt Ion:105 Resp: 173475
Ion Ratio Lower Upper
105 100
120 44.5 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

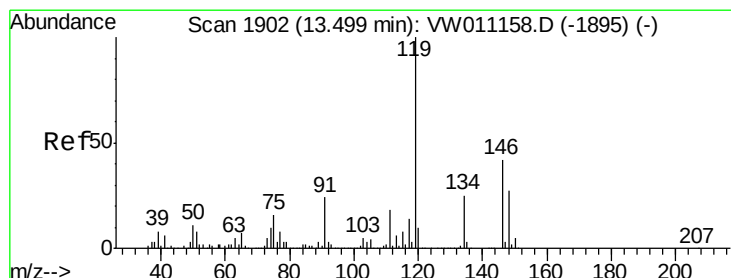
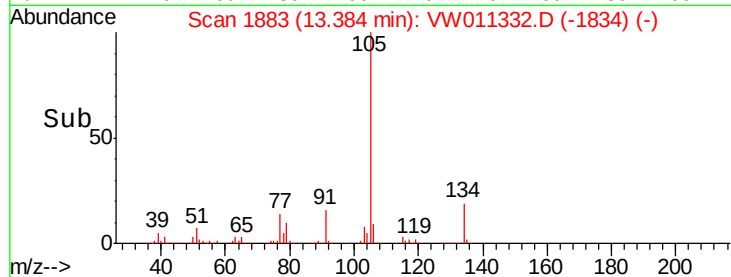
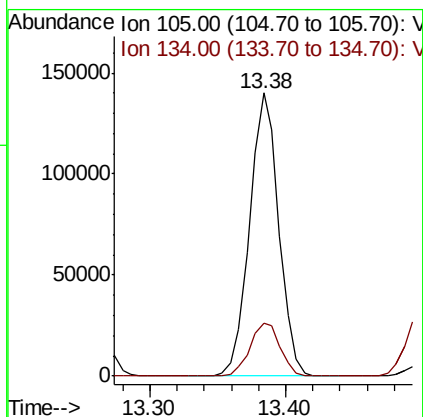
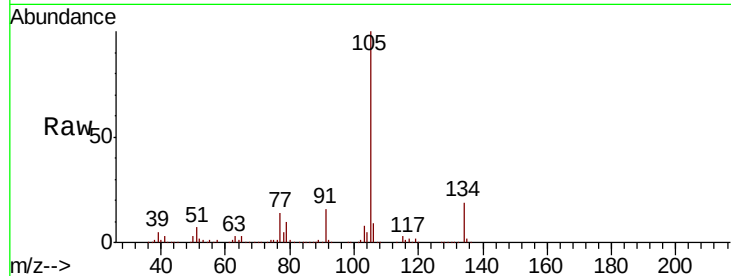




#85
 sec-Butylbenzene
 Concen: 21.326 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

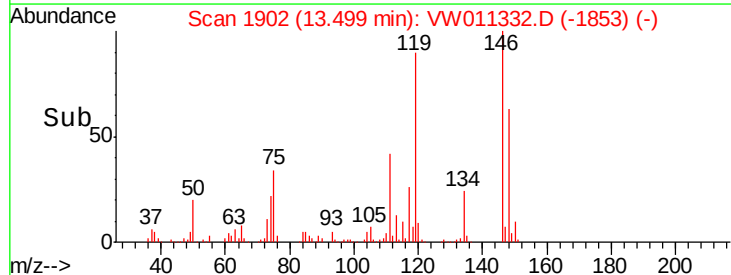
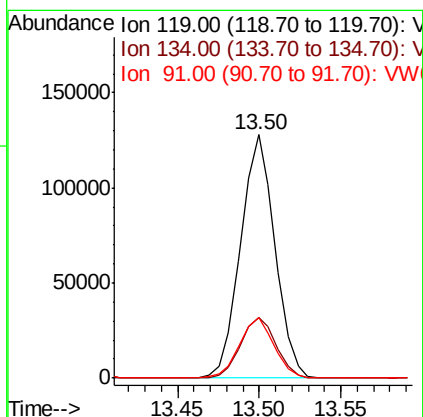
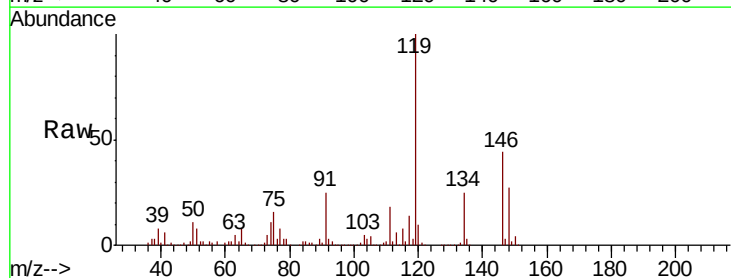
Instrument :
 MSVOA_W
 ClientSampled :

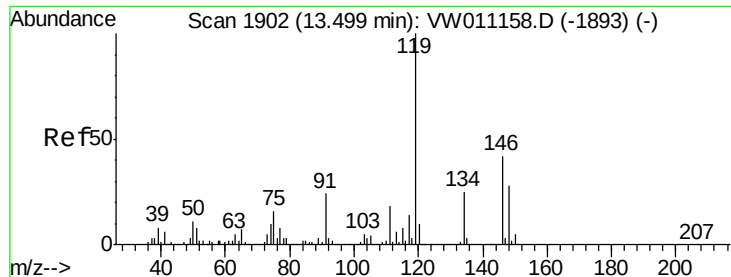
Tot Ion:105 Resp: 210356
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 21.183 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

Tgt Ion:119 Resp: 187410
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.6
 91 24.8 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 21.322 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

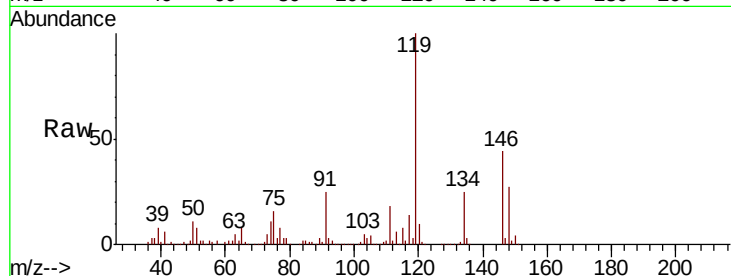
Tot Ion:146 Resp: 88824

Ion Ratio Lower Upper

146 100

111 40.6 21.1 63.1

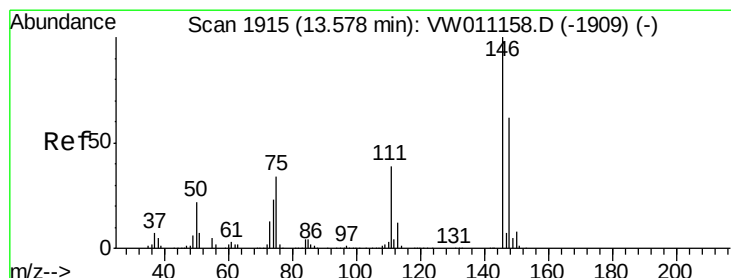
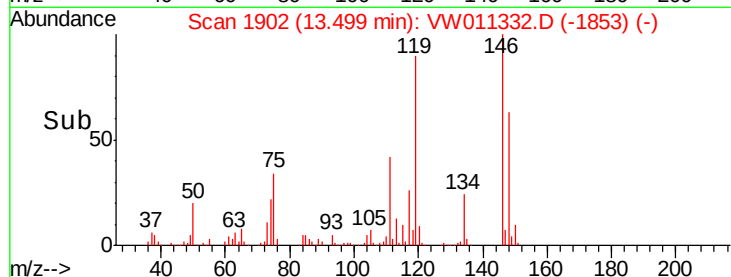
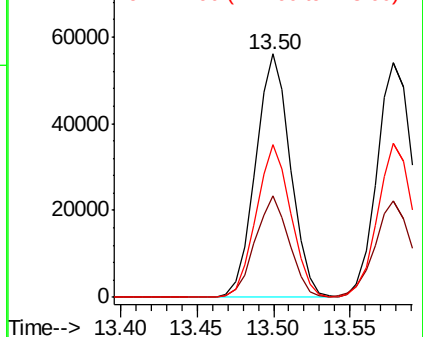
148 62.5 32.6 97.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.943 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

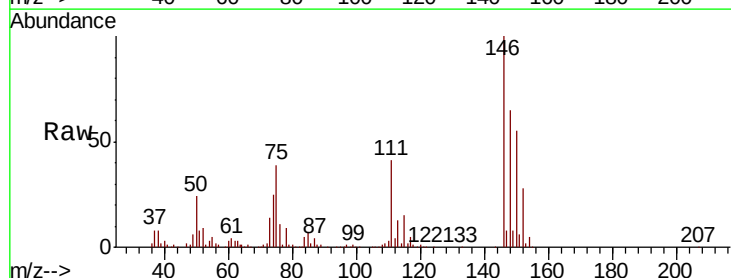
Tgt Ion:146 Resp: 87853

Ion Ratio Lower Upper

146 100

111 41.7 19.9 59.7

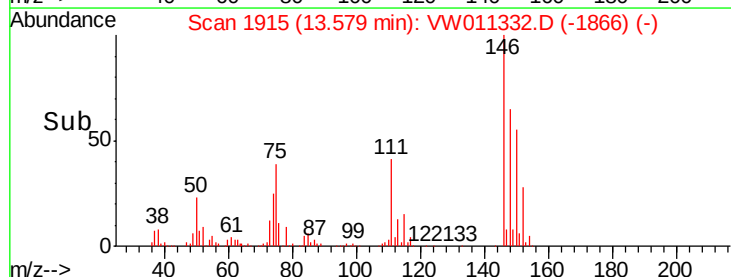
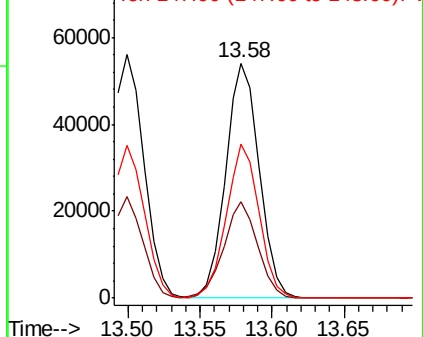
148 64.3 31.5 94.5

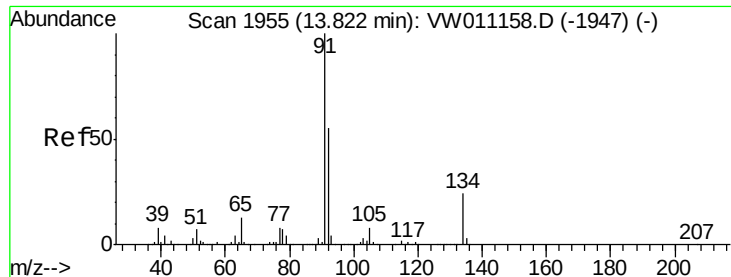


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.078 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

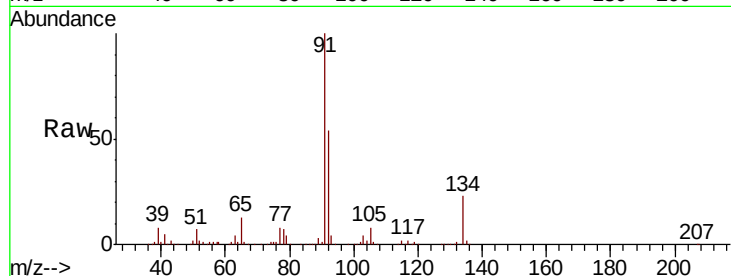
Tot Ion: 91 Resp: 186029

Ion Ratio Lower Upper

91 100

92 54.8 26.9 80.7

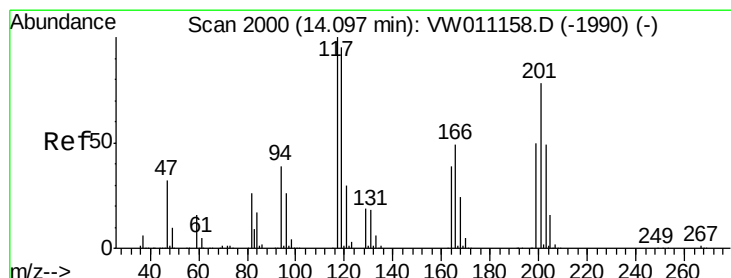
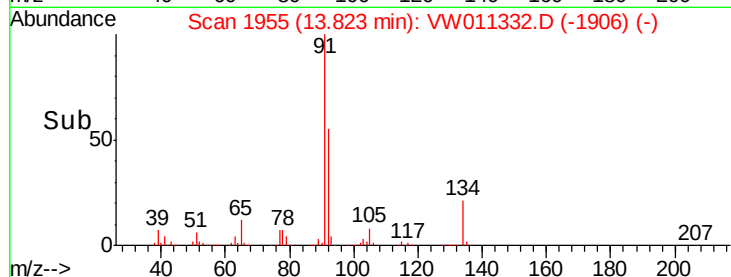
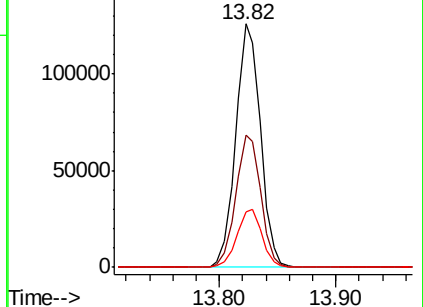
134 24.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.708 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011332.D

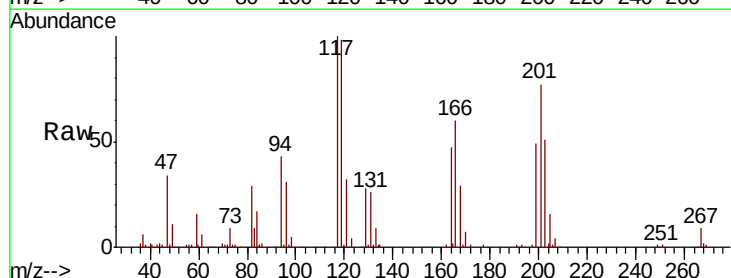
Acq: 18 Jul 2019 14:09

Tgt Ion: 117 Resp: 31861

Ion Ratio Lower Upper

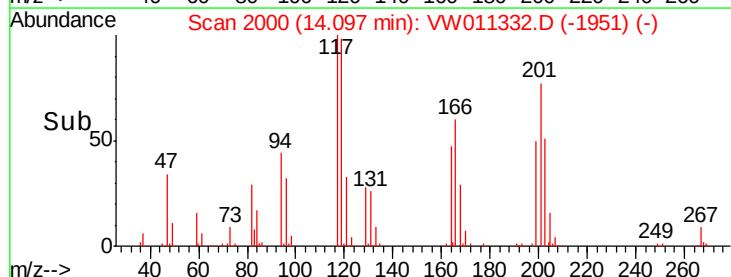
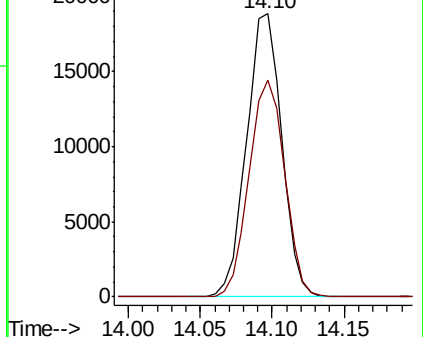
117 100

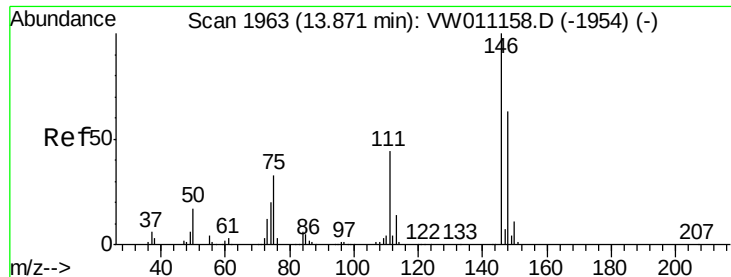
201 77.4 38.3 114.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.676 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

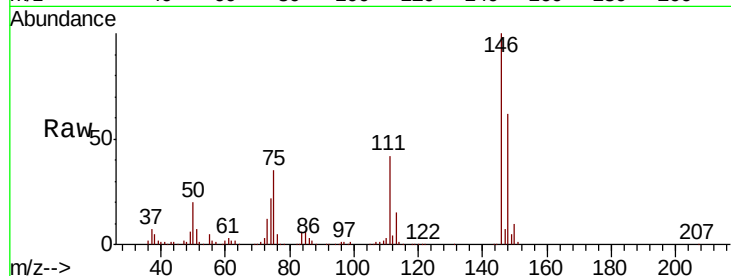
Tot Ion:146 Resp: 78141

Ion Ratio Lower Upper

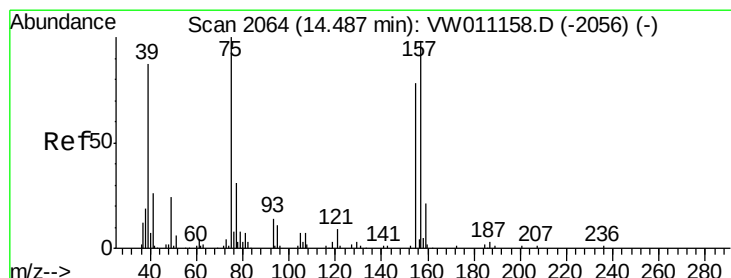
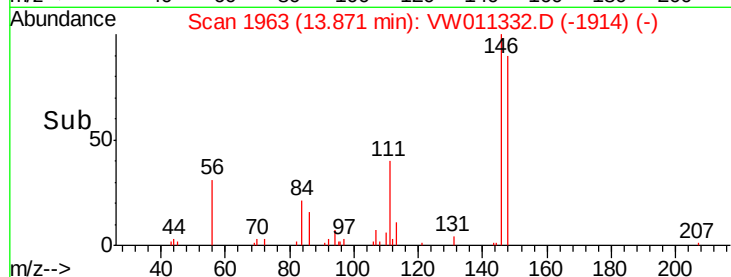
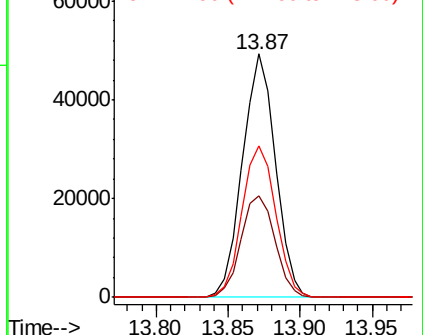
146 100

111 43.3 21.6 65.0

148 64.1 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.352 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

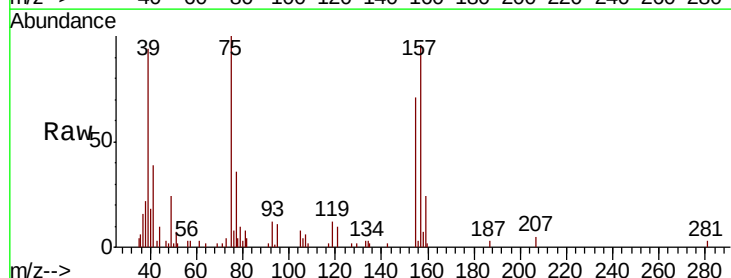
Tgt Ion: 75 Resp: 6087

Ion Ratio Lower Upper

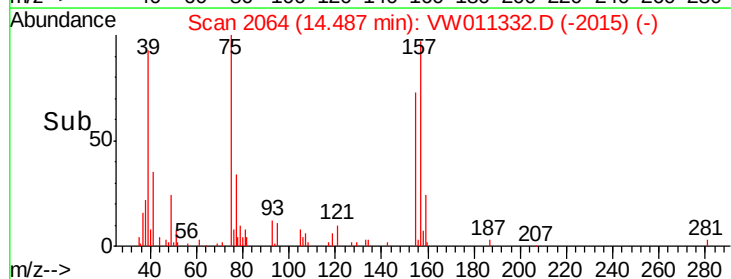
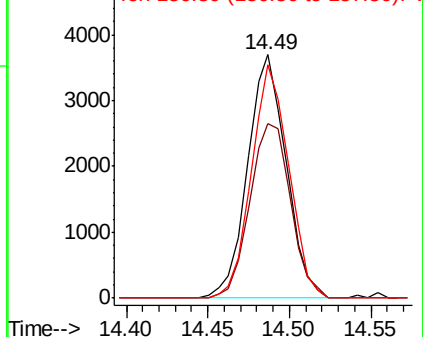
75 100

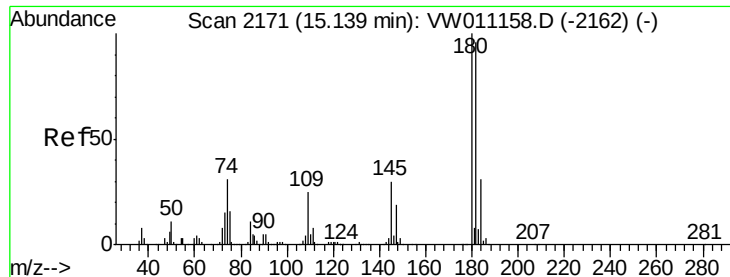
155 75.5 37.1 111.3

157 92.7 48.5 145.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

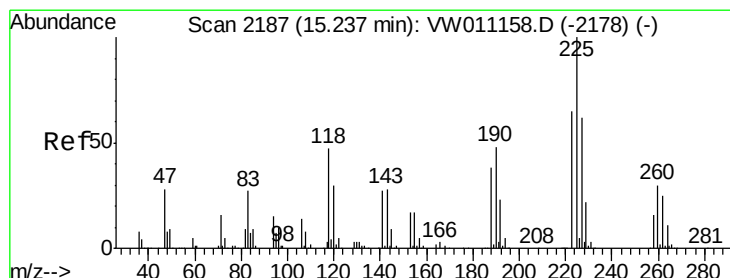
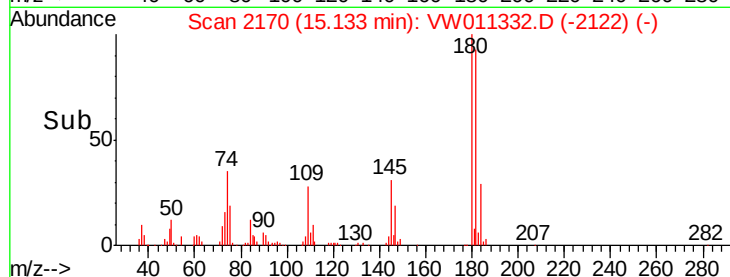
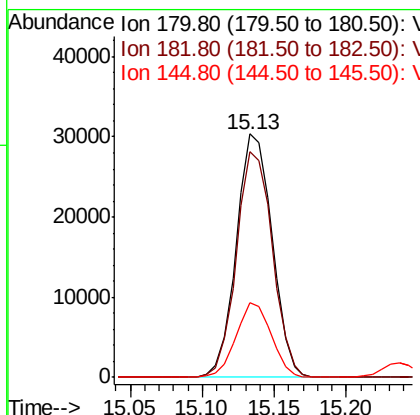
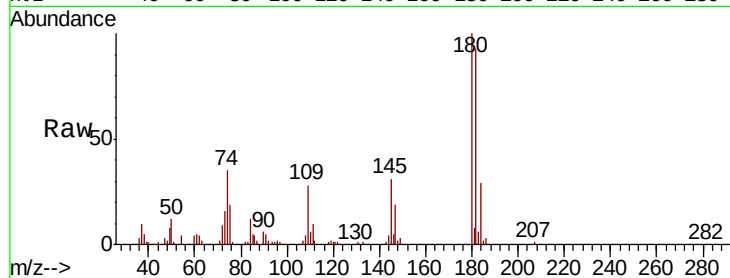




#93
 1,2,4-Trichlorobenzene
 Concen: 20.155 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

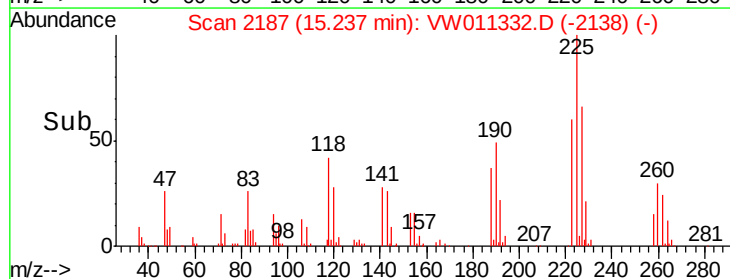
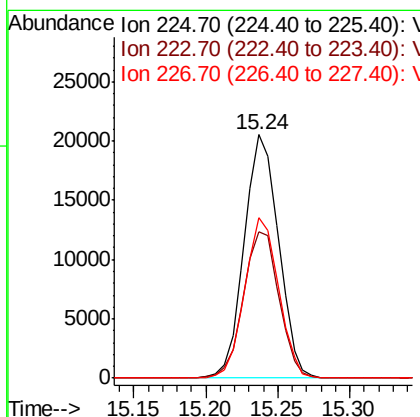
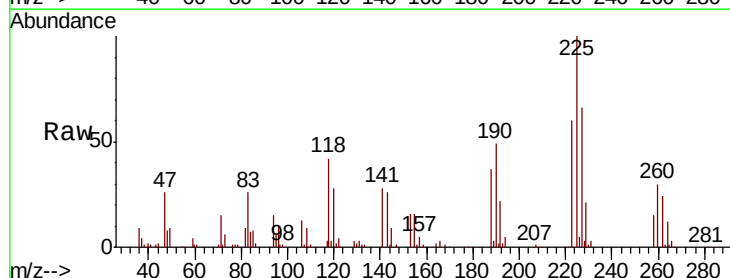
Instrument :
 MSVOA_W
 ClientSampleId :

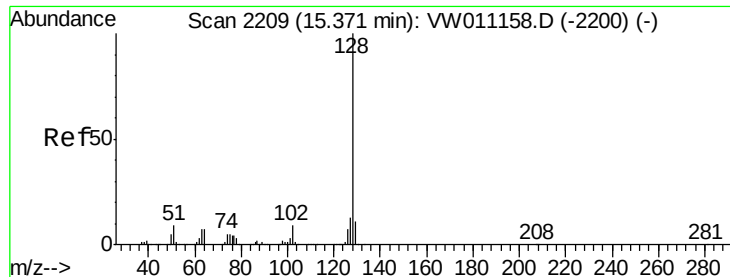
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.3	144.9
145	29.9	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 21.275 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011332.D
 Acq: 18 Jul 2019 14:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	95.0
227	64.6	32.0	96.0





#95

Naphthalene

Concen: 17.810 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

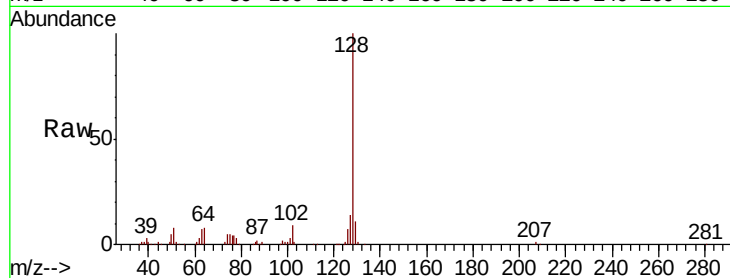
Tot Ion:128 Resp: 88840

Ion Ratio Lower Upper

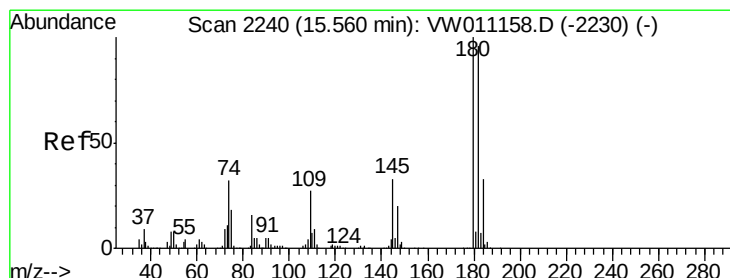
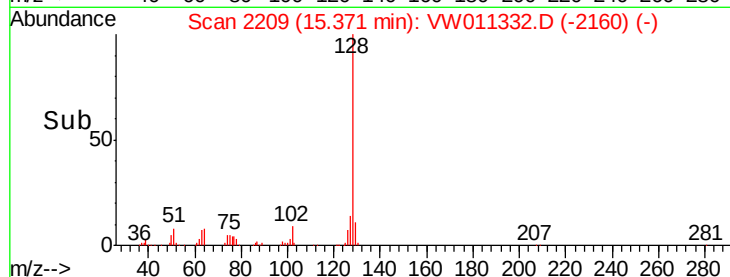
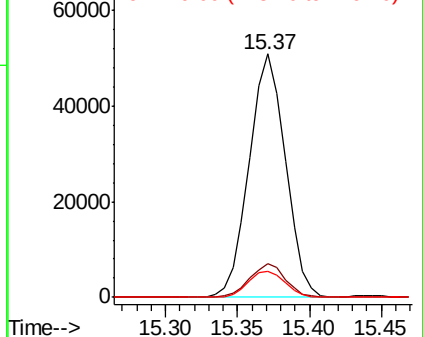
128 100

127 13.4 10.6 16.0

129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.572 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011332.D

Acq: 18 Jul 2019 14:09

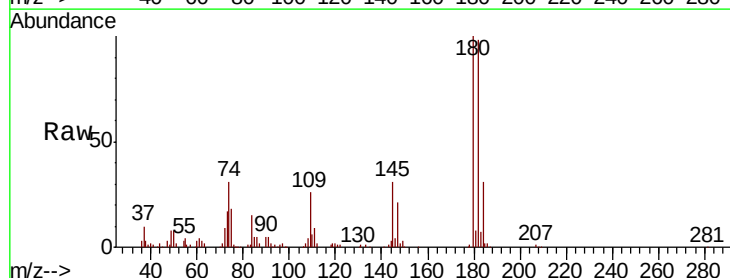
Tgt Ion:180 Resp: 44964

Ion Ratio Lower Upper

180 100

182 96.2 47.6 142.8

145 32.4 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

