

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW013998.D
 Acq On : 13 Nov 2019 11:29
 Operator : SY/VA
 Sample : VW1113SBS01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 14 05:52:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	344924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	490205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	212690	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129403	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.88	113	132560	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	10.32	98	544652	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.62	95	181597	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	42330	23.295	ug/l	98
3) Chloromethane	2.21	50	41558	21.280	ug/l	93
4) Vinyl Chloride	2.36	62	71195	24.140	ug/l	99
5) Bromomethane	2.75	94	41804	21.552	ug/l	96
6) Chloroethane	2.92	64	40332	22.600	ug/l	99
7) Trichlorofluoromethane	3.25	101	45441	24.667	ug/l	98
8) Diethyl Ether	3.68	74	31471	21.145	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	64633	21.582	ug/l	95
10) Methyl Iodide	4.28	142	105053	21.527	ug/l	99
11) Tert butyl alcohol	5.17	59	20949	135.621	ug/l	96
12) 1,1-Dichloroethene	4.04	96	67557	21.839	ug/l	95
13) Acrolein	3.90	56	13276	75.019	ug/l	99
14) Allyl chloride	4.67	41	101751	21.391	ug/l	98
15) Acrylonitrile	5.36	53	66339	109.619	ug/l	99
16) Acetone	4.12	43	56616	103.195	ug/l	95
17) Carbon Disulfide	4.39	76	197892	22.275	ug/l	100
18) Methyl Acetate	4.66	43	34925	23.223	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	81825	22.042	ug/l	100
20) Methylene Chloride	4.92	84	72746	21.382	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	72236	21.696	ug/l	94
22) Diisopropyl ether	6.31	45	185605	21.391	ug/l	96
23) Vinyl Acetate	6.25	43	524718	104.223	ug/l	99
24) 1,1-Dichloroethane	6.21	63	116975	21.287	ug/l	98
25) 2-Butanone	7.17	43	85732	108.692	ug/l	99
26) 2,2-Dichloropropane	7.17	77	71421	22.477	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	75034	21.218	ug/l	97
28) Bromochloromethane	7.51	49	30144	16.324	ug/l #	97
29) Tetrahydrofuran	7.52	42	55320	113.285	ug/l	100
30) Chloroform	7.67	83	118593	21.832	ug/l	97
31) Cyclohexane	7.95	56	122964	21.382	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	94291	22.119	ug/l	99
36) 1,1-Dichloropropene	8.08	75	100152	21.938	ug/l	98
37) Ethyl Acetate	7.24	43	37887	21.679	ug/l	100
38) Carbon Tetrachloride	8.07	117	89935	21.876	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	125328	21.258	ug/l	98
40) Benzene	8.32	78	277469	21.476	ug/l	100
41) Methacrylonitrile	7.48	41	25895	23.762	ug/l	89
42) 1,2-Dichloroethane	8.40	62	68824	21.139	ug/l	100
43) Isopropyl Acetate	8.42	43	70468	21.066	ug/l	98
44) Trichloroethene	9.09	130	78317	21.162	ug/l	99
45) 1,2-Dichloropropane	9.37	63	66606	21.583	ug/l	96
46) Dibromomethane	9.46	93	31080	20.750	ug/l	99
47) Bromodichloromethane	9.64	83	81863	21.123	ug/l	96
48) Methyl methacrylate	9.43	41	36086	21.754	ug/l	99
49) 1,4-Dioxane	9.45	88	11875	536.524	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	181531	109.207	ug/l	100
52) Toluene	10.38	92	177667	21.319	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	81278	20.717	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	100783	20.821	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	46659	20.902	ug/l	96
56) Ethyl methacrylate	10.65	69	60225	21.564	ug/l	99
57) 1,3-Dichloropropane	10.93	76	80999	21.145	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	118027	91.824	ug/l	100
59) 2-Hexanone	10.96	43	124059	108.258	ug/l	99
60) Dibromochloromethane	11.13	129	55804	21.055	ug/l	99
61) 1,2-Dibromoethane	11.23	107	44152	20.907	ug/l	99
64) Tetrachloroethene	10.86	164	68181	21.314	ug/l	94
65) Chlorobenzene	11.66	112	185089	21.513	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	62461	20.802	ug/l	98
67) Ethyl Benzene	11.73	91	332942	21.461	ug/l	99
68) m/p-Xylenes	11.84	106	255701	42.661	ug/l	100
69) o-Xylene	12.16	106	116851	21.210	ug/l	99
70) Styrene	12.18	104	200348	21.165	ug/l	99
71) Bromoform	12.35	173	33337	21.156	ug/l #	97
73) Isopropylbenzene	12.46	105	328269	21.492	ug/l	100
74) N-amyl acetate	12.27	43	64719	21.904	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51147	21.220	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	66051	43.244	ug/l #	100
77) Bromobenzene	12.74	156	77473	21.233	ug/l	98
78) n-propylbenzene	12.80	91	379192	21.449	ug/l	100
79) 2-Chlorotoluene	12.89	91	210088	21.147	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	278068	21.566	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16369	20.253	ug/l	93
82) 4-Chlorotoluene	12.99	91	221038	21.193	ug/l	99
83) tert-Butylbenzene	13.21	119	242548	21.192	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	276260	21.720	ug/l	98
85) sec-Butylbenzene	13.38	105	334738	21.388	ug/l	99
86) p-Isopropyltoluene	13.50	119	312786	21.455	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	150620	21.306	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	149215	21.246	ug/l	99
89) n-Butylbenzene	13.82	91	275856	20.963	ug/l	100
90) Hexachloroethane	14.09	117	52645	20.775	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	130994	21.370	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7804	21.412	ug/l	98

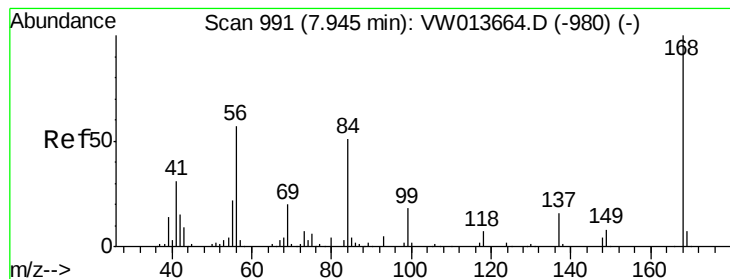
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	84106	18.854	ug/l	98
94) Hexachlorobutadiene	15.24	225	67724	22.488	ug/l	95
95) Naphthalene	15.36	128	126480	18.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	71912	18.708	ug/l	97

(#) = 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: VW013998.D

Acq: 13 Nov 2019 11:29

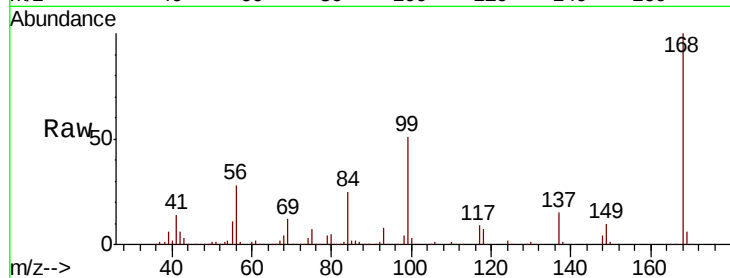
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 344924

Ion Ratio Lower Upper

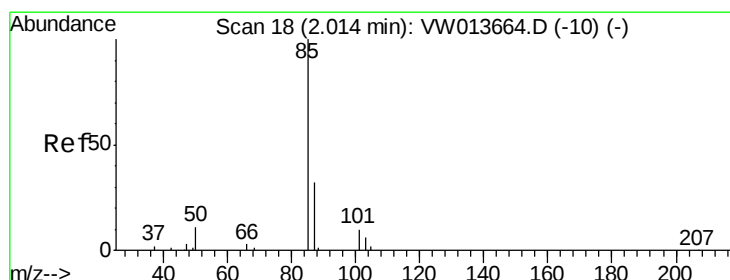
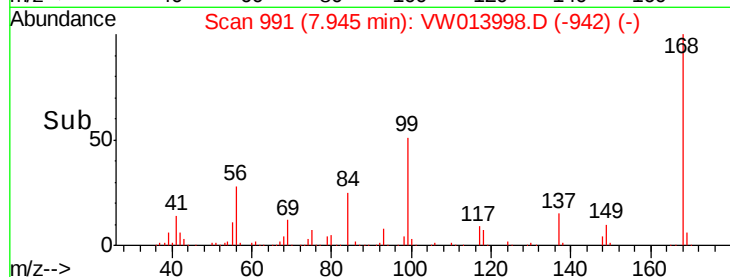
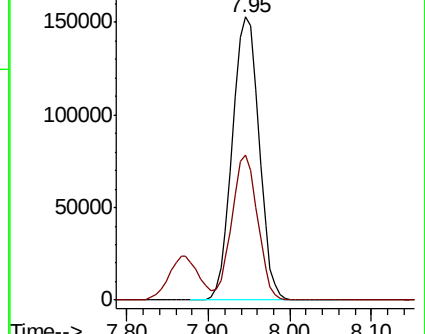
168 100

99 51.1 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.295 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013998.D

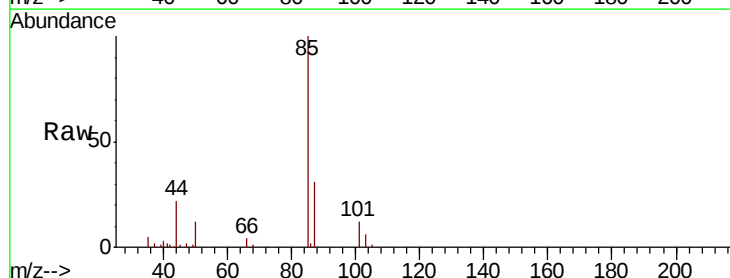
Acq: 13 Nov 2019 11:29

Tgt Ion: 85 Resp: 42330

Ion Ratio Lower Upper

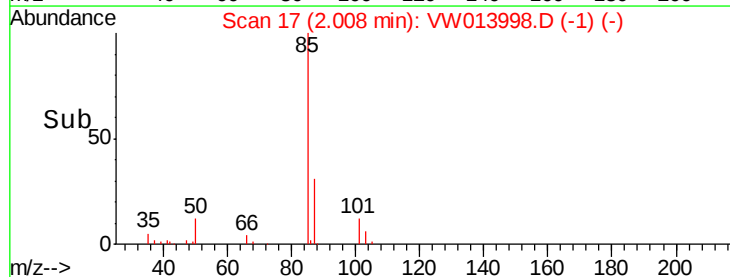
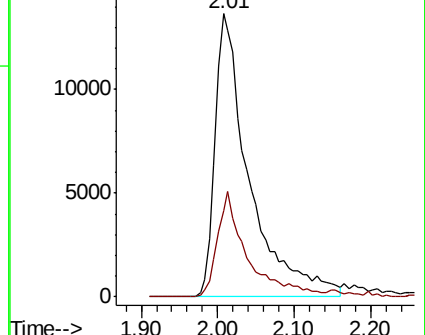
85 100

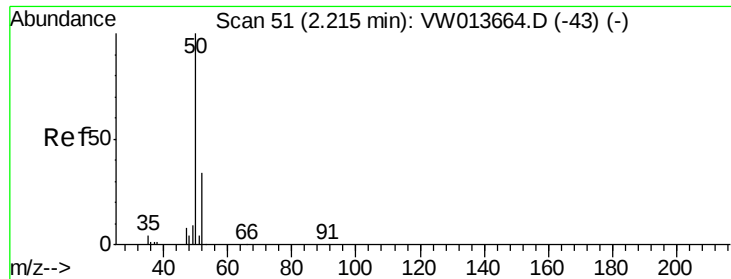
87 30.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.280 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

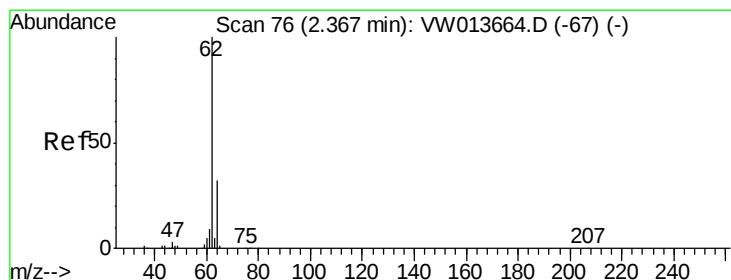
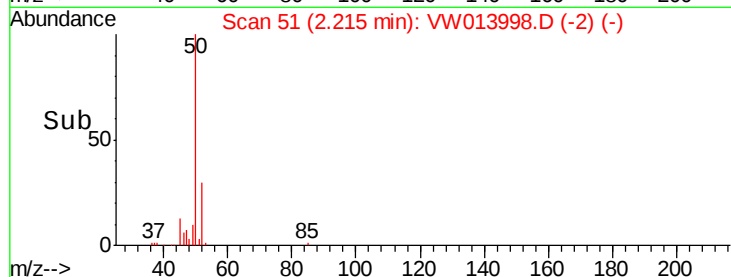
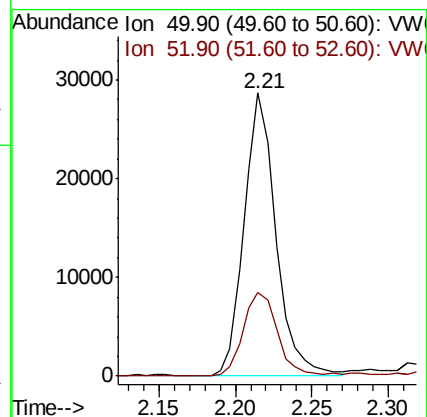
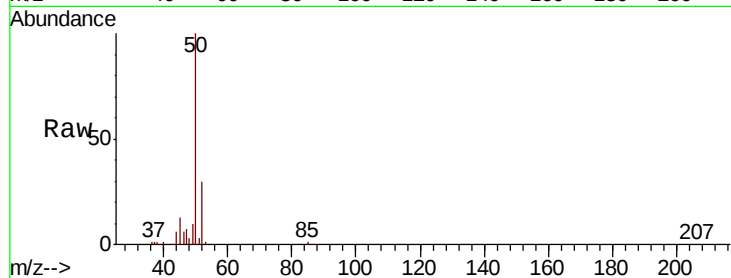
ClientSampleId :

Tot Ion: 50 Resp: 41558

Ion Ratio Lower Upper

50 100

52 29.7 26.9 40.3



#4

Vinyl Chloride

Concen: 24.140 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013998.D

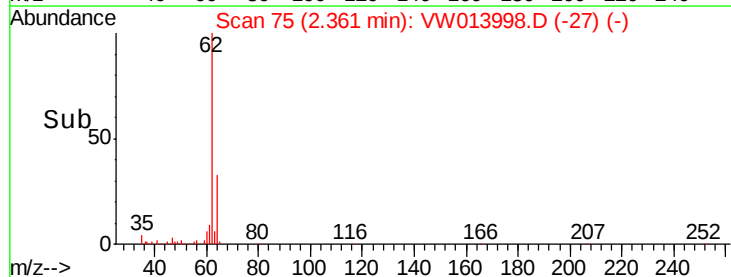
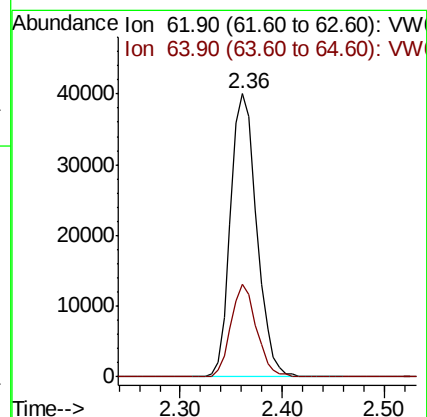
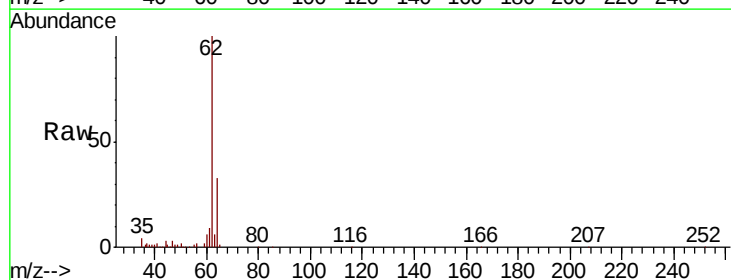
Acq: 13 Nov 2019 11:29

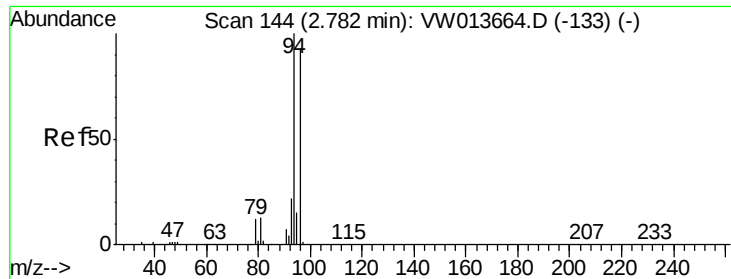
Tgt Ion: 62 Resp: 71195

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 21.552 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.03 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

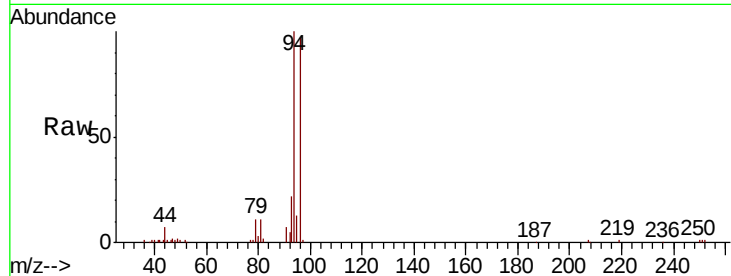
ClientSampled :

Tot Ion: 94 Resp: 41804

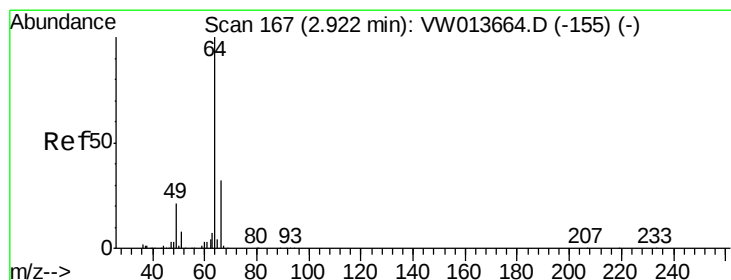
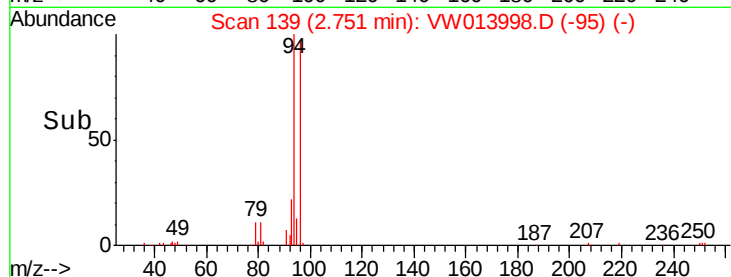
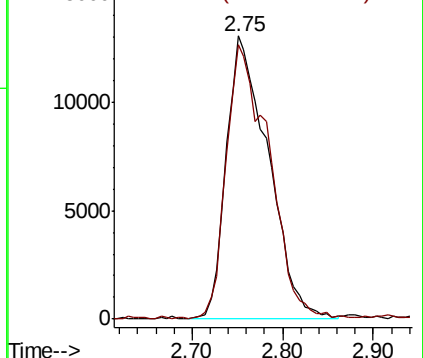
Ion Ratio Lower Upper

94 100

96 97.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VW
Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 22.600 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013998.D

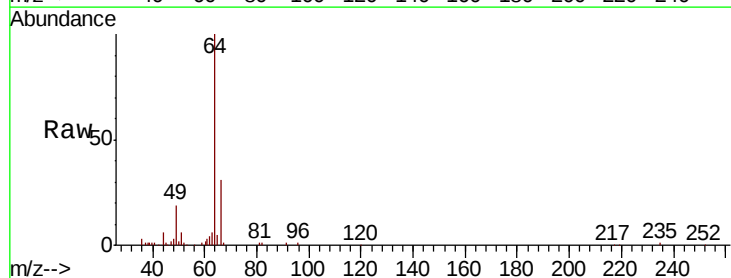
Acq: 13 Nov 2019 11:29

Tgt Ion: 64 Resp: 40332

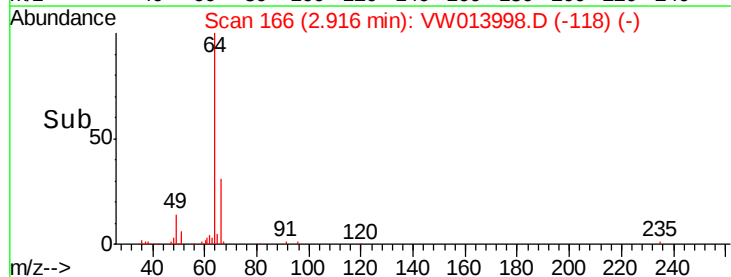
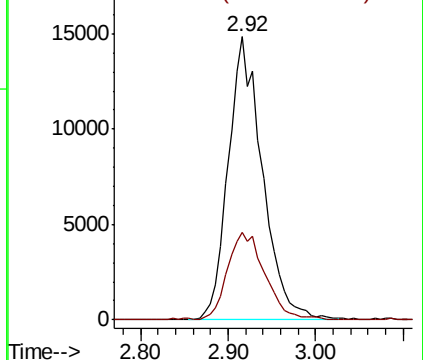
Ion Ratio Lower Upper

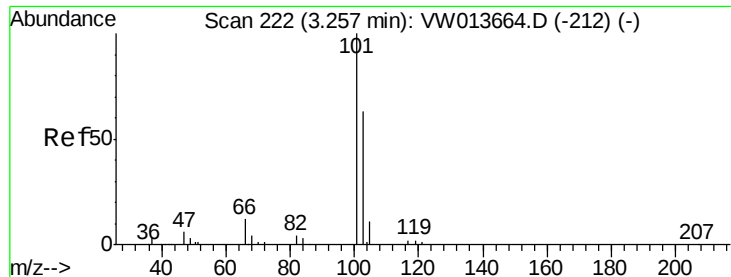
64 100

66 31.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW
Ion 65.90 (65.60 to 66.60): VW



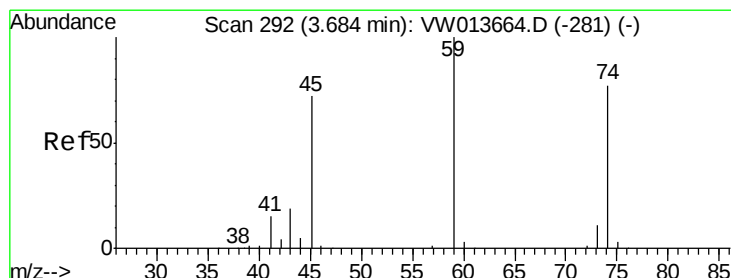
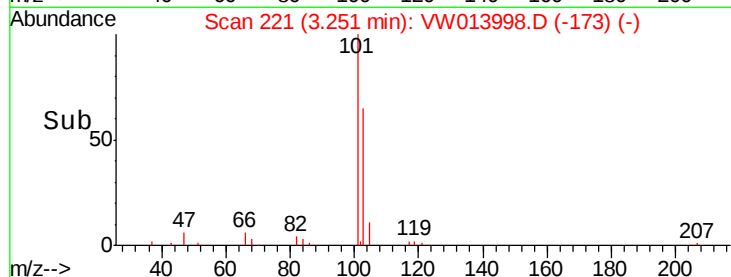
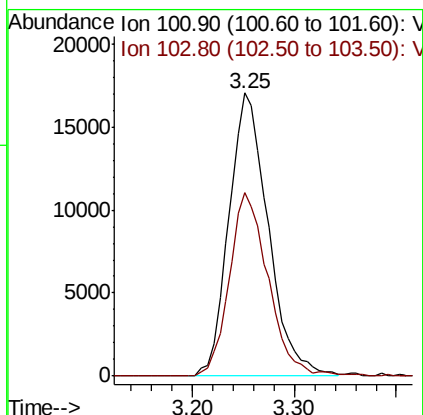
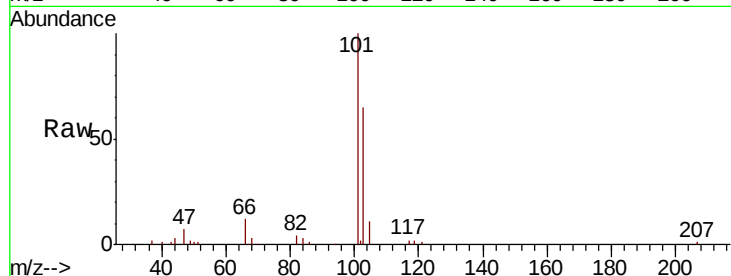


#7

Trichlorofluoromethane
 Concen: 24.667 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :

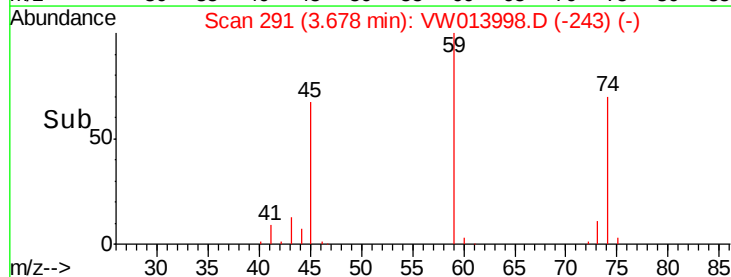
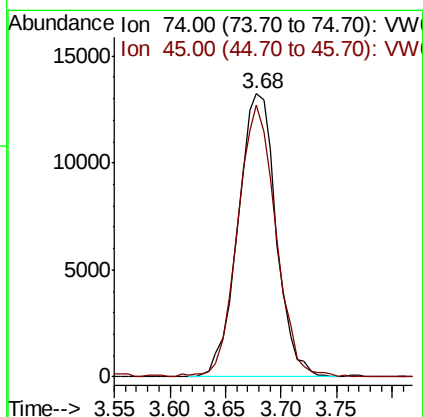
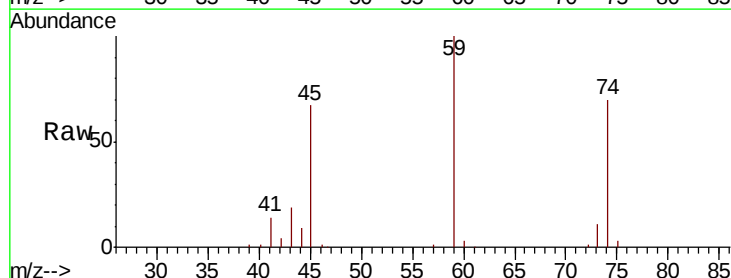
Tot Ion:101 Resp: 45441
 Ion Ratio Lower Upper
 101 100
 103 64.7 50.6 76.0

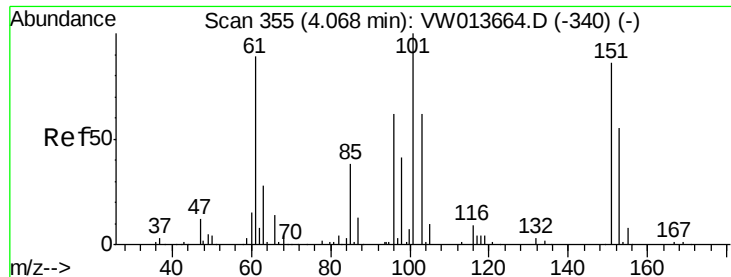


#8

Diethyl Ether
 Concen: 21.145 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion: 74 Resp: 31471
 Ion Ratio Lower Upper
 74 100
 45 96.4 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.582 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

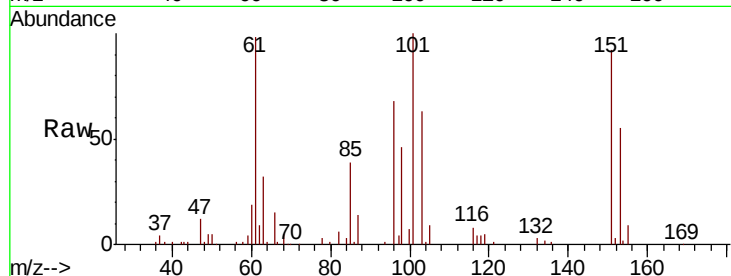
Tot Ion:101 Resp: 64633

Ion Ratio Lower Upper

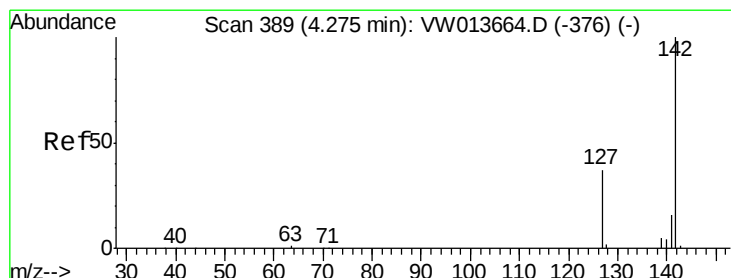
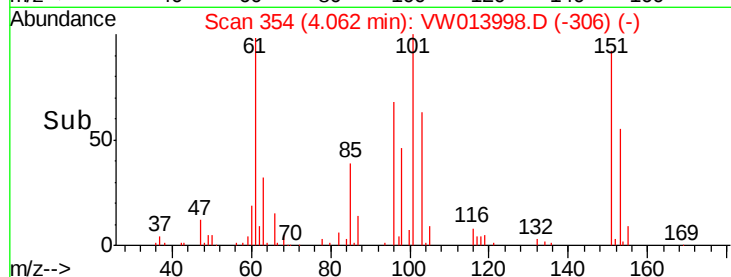
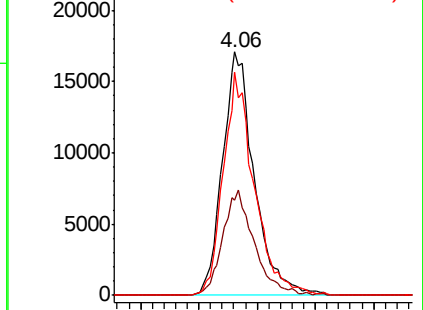
101 100

85 42.7 31.0 46.6

151 89.1 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.527 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

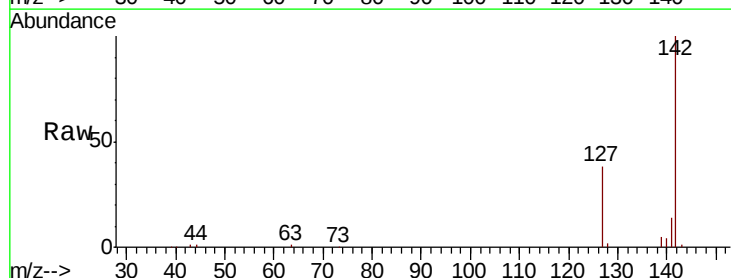
Tgt Ion:142 Resp: 105053

Ion Ratio Lower Upper

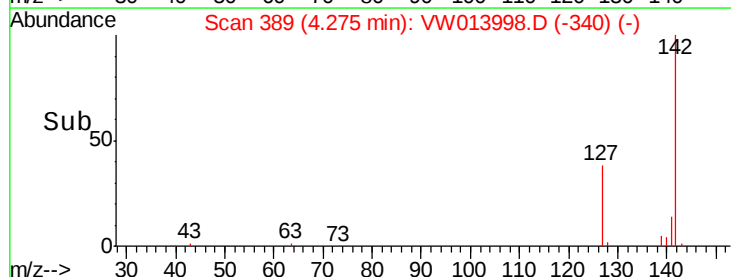
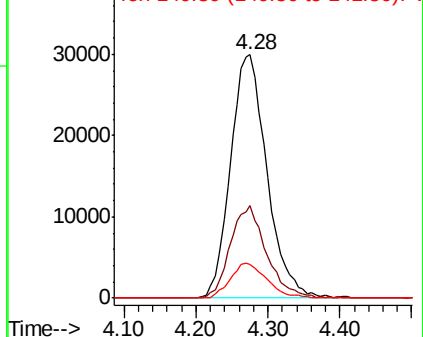
142 100

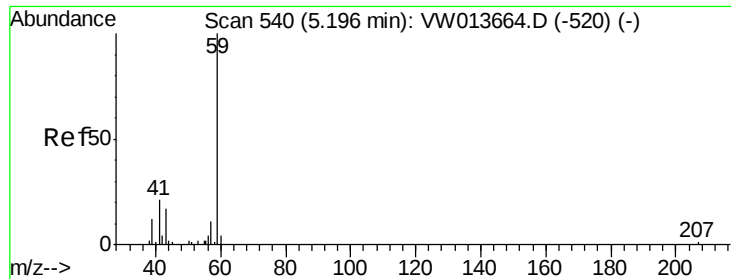
127 37.5 30.3 45.5

141 14.4 11.8 17.8



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



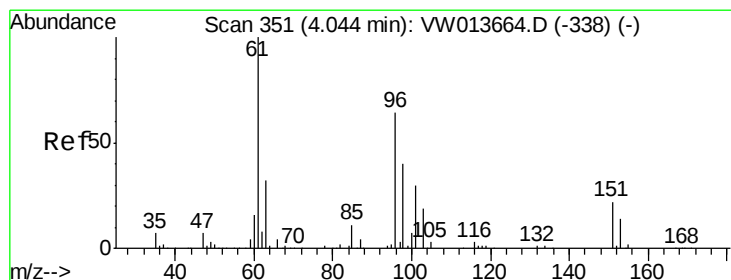
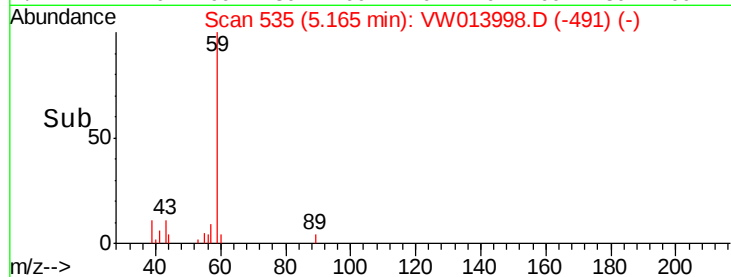
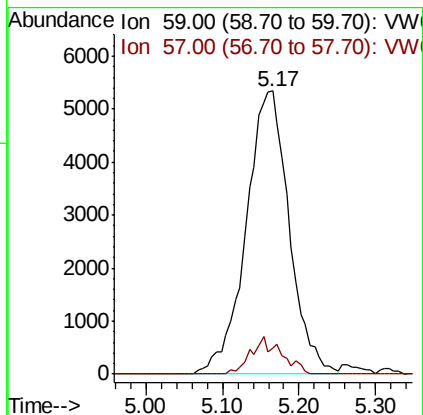
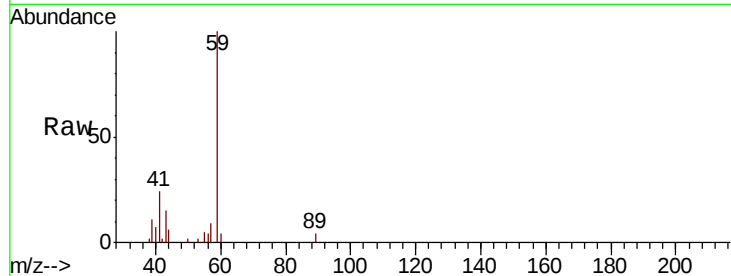


#11

Tert butyl alcohol
 Concen: 135.621 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.03 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampled :

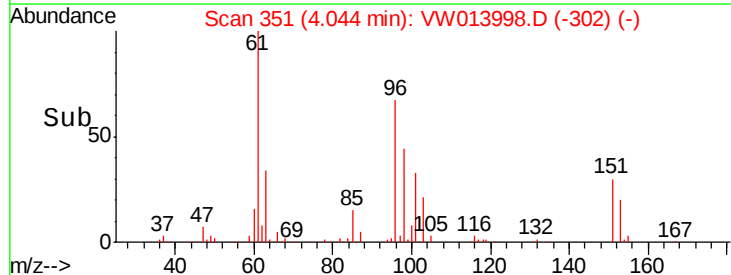
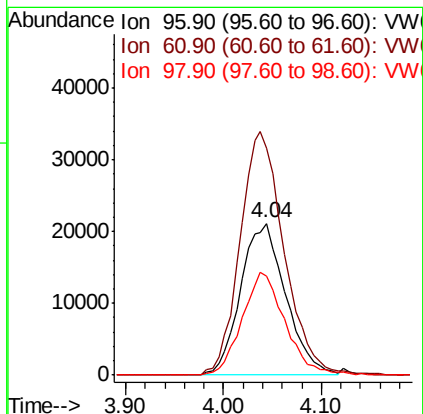
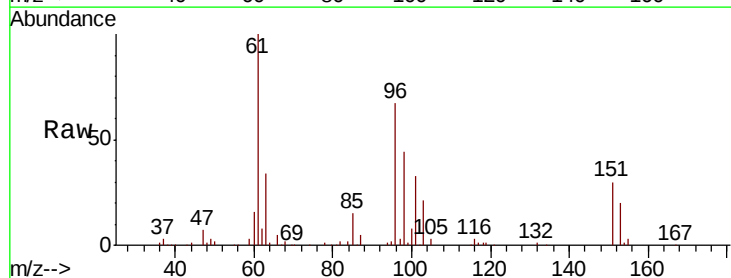
Tot Ion: 59 Resp: 20949
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.8 13.2

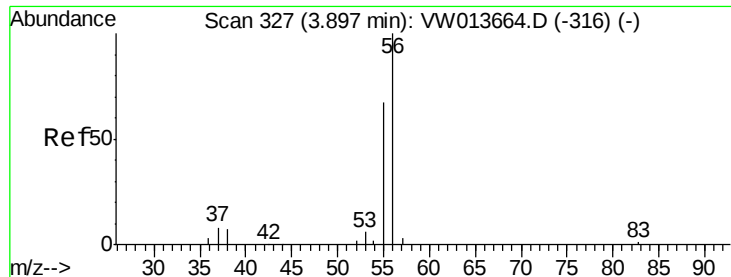


#12

1,1-Dichloroethene
 Concen: 21.839 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion: 96 Resp: 67557
 Ion Ratio Lower Upper
 96 100
 61 148.9 125.0 187.6
 98 65.4 50.3 75.5





#13

Acrolein

Concen: 75.019 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

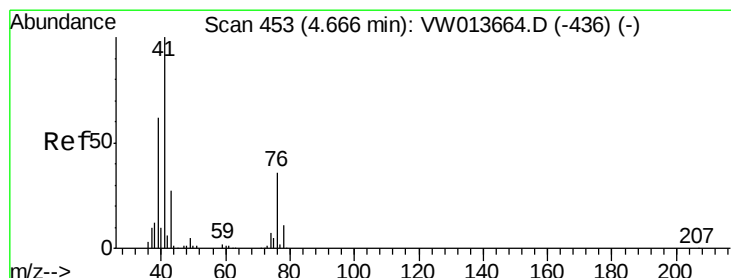
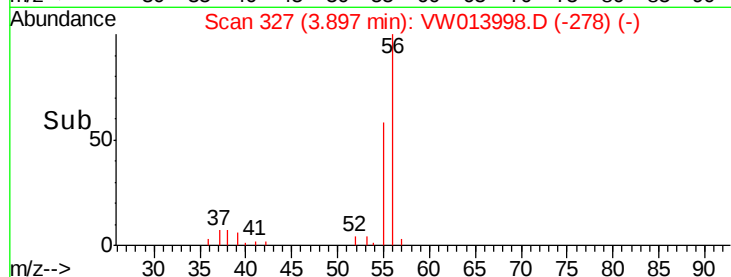
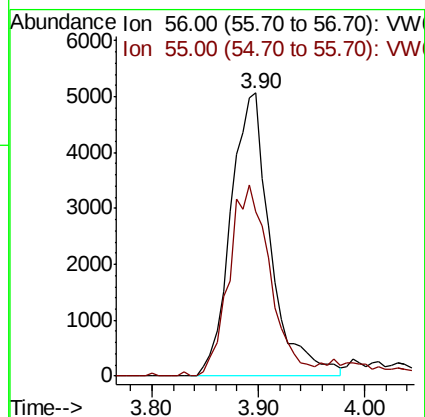
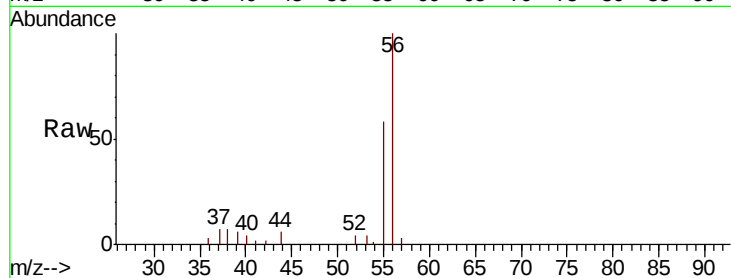
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 13276

Ion Ratio Lower Upper

56 100

55 69.3 56.1 84.1



#14

Allyl chloride

Concen: 21.391 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

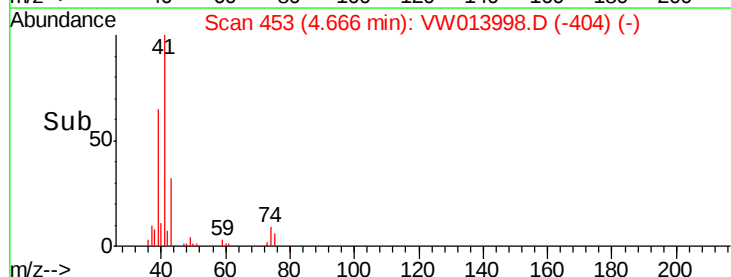
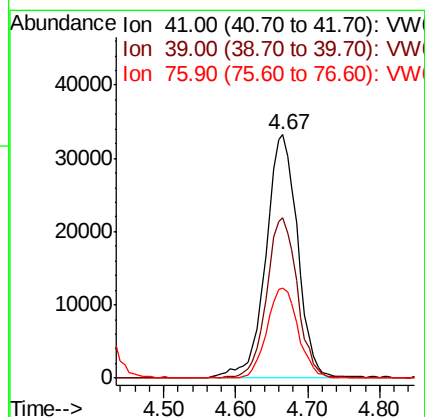
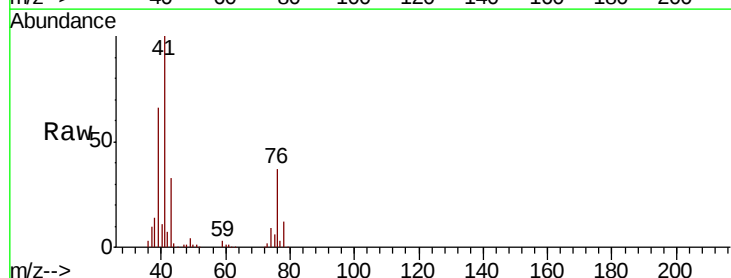
Tgt Ion: 41 Resp: 101751

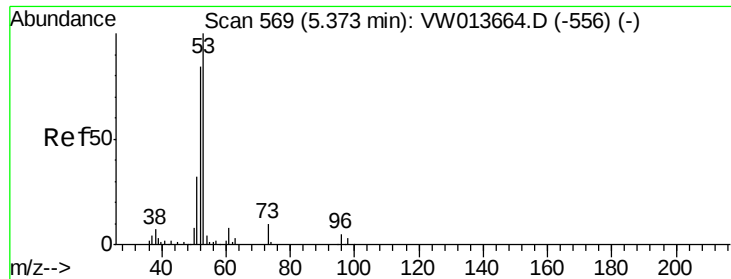
Ion Ratio Lower Upper

41 100

39 64.1 50.0 75.0

76 36.2 29.6 44.4





#15

Acrylonitrile

Concen: 109.619 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

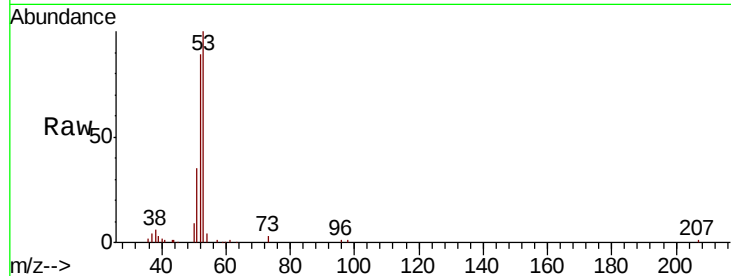
Tot Ion: 53 Resp: 66339

Ion Ratio Lower Upper

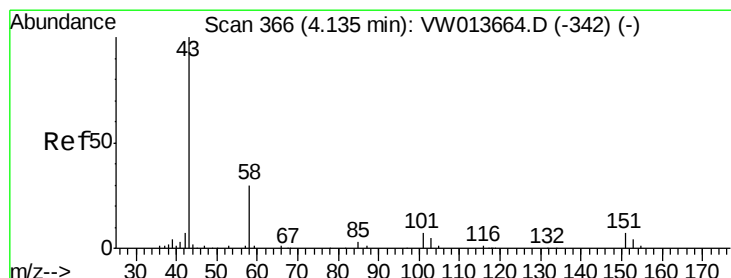
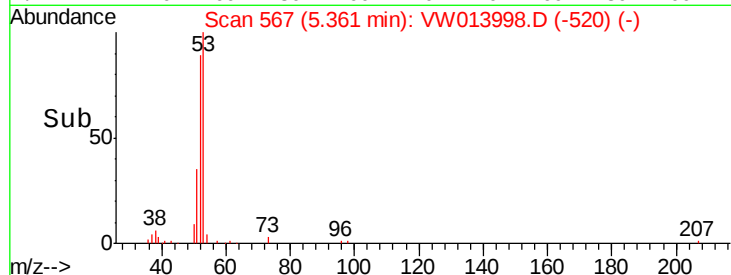
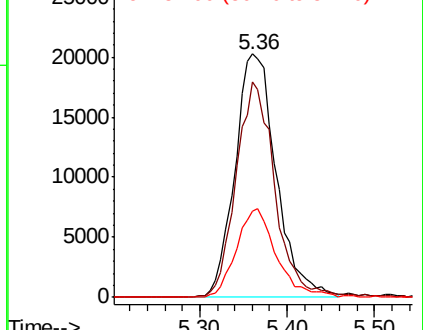
53 100

52 83.3 67.4 101.0

51 35.7 29.1 43.7



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



#16

Acetone

Concen: 103.195 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013998.D

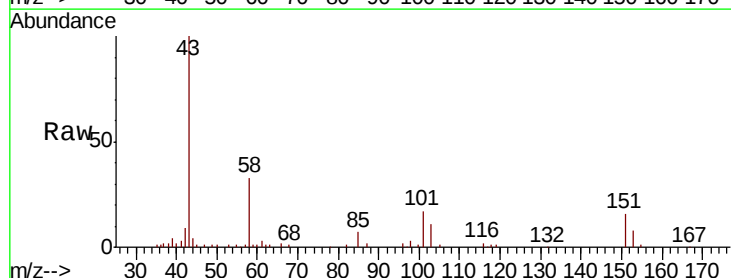
Acq: 13 Nov 2019 11:29

Tgt Ion: 43 Resp: 56616

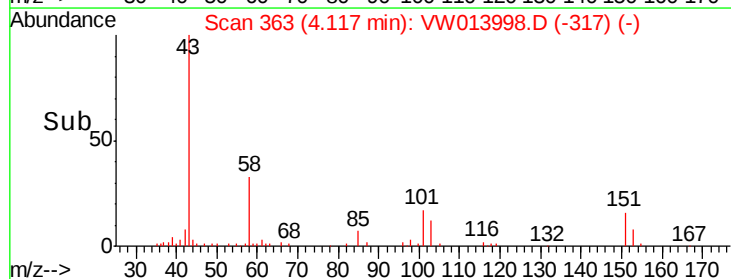
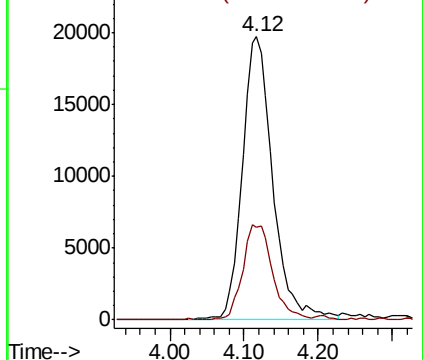
Ion Ratio Lower Upper

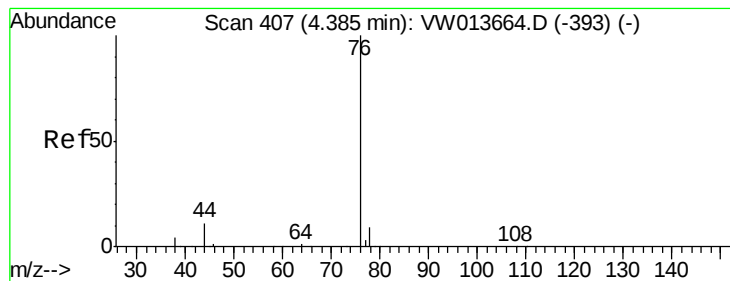
43 100

58 32.6 24.1 36.1



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





#17

Carbon Disulfide

Concen: 22.275 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

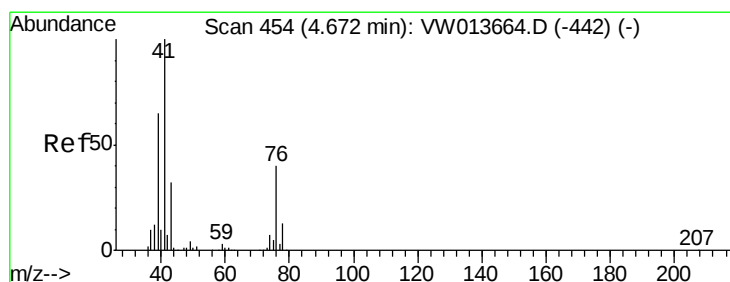
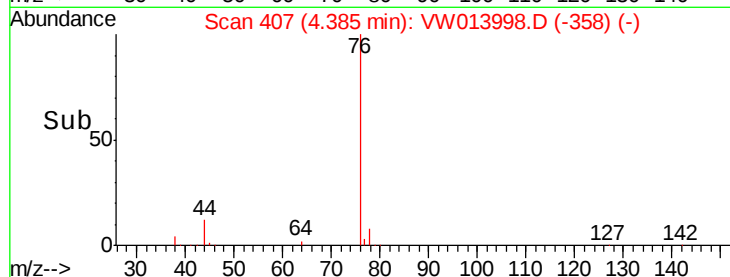
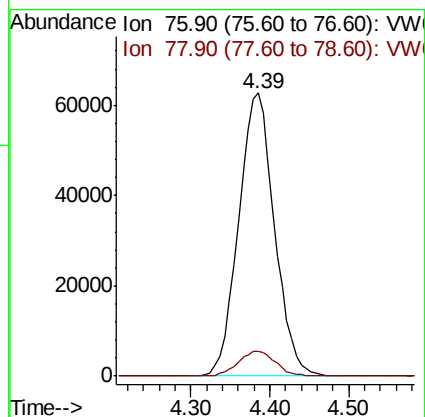
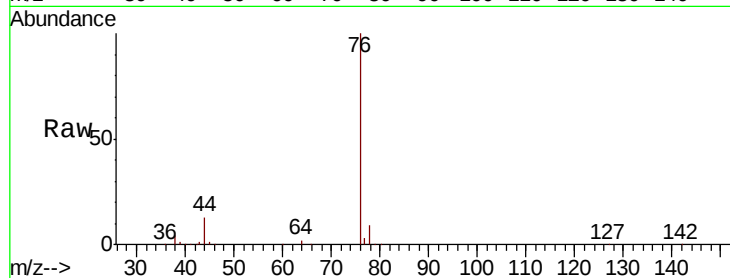
ClientSampleId :

Tot Ion: 76 Resp: 197892

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



#18

Methyl Acetate

Concen: 23.223 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013998.D

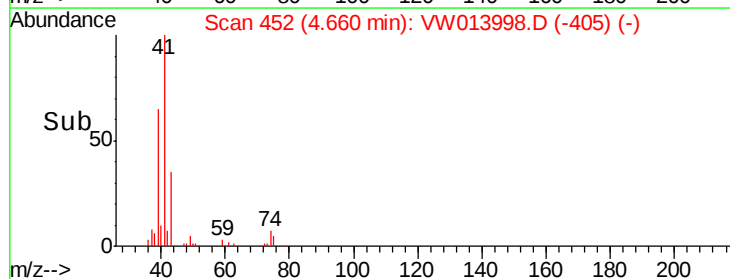
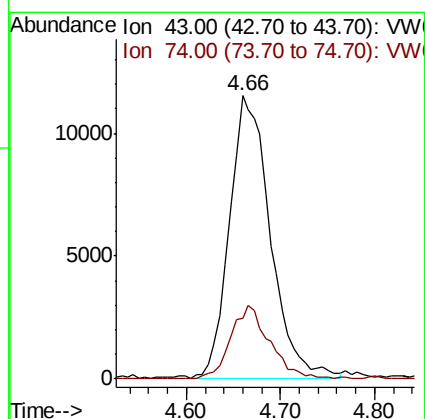
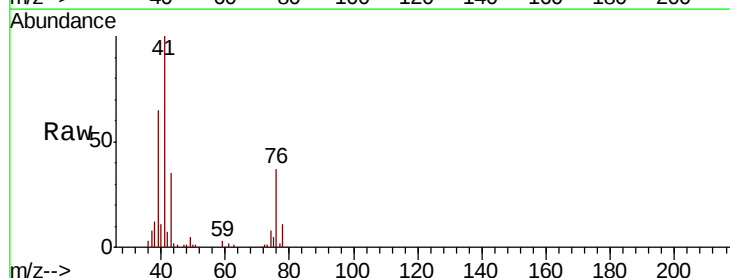
Acq: 13 Nov 2019 11:29

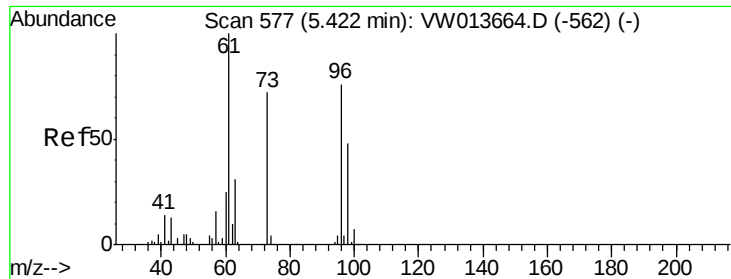
Tgt Ion: 43 Resp: 34925

Ion Ratio Lower Upper

43 100

74 24.6 19.8 29.8

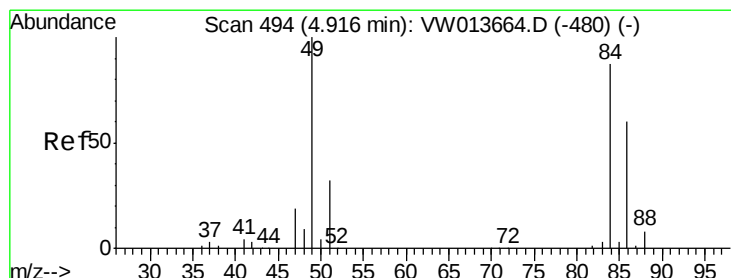
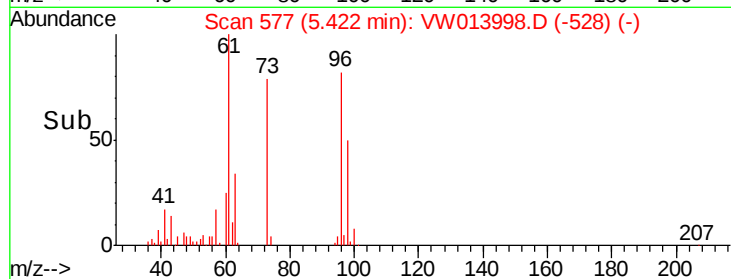
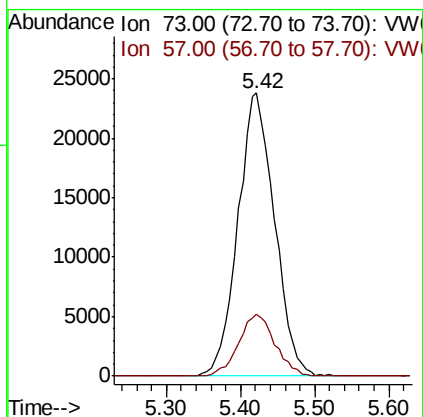
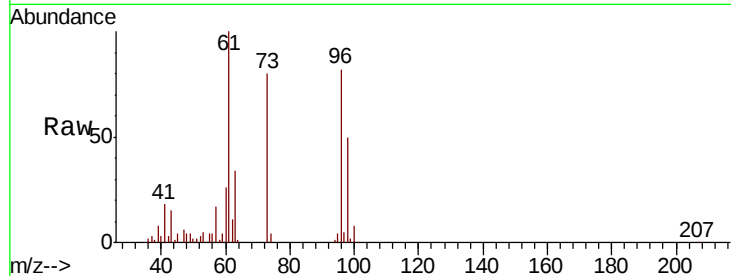




#19
Methyl tert-butyl Ether
Concen: 22.042 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

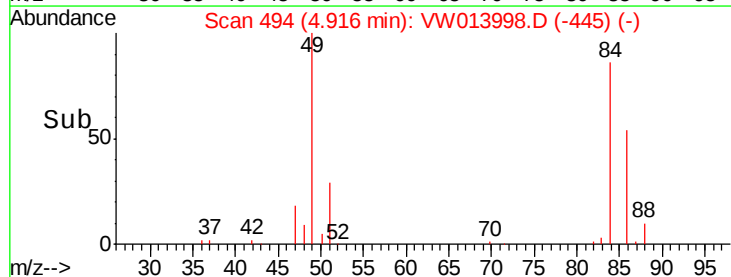
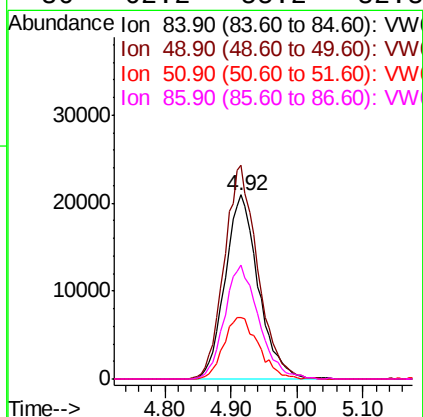
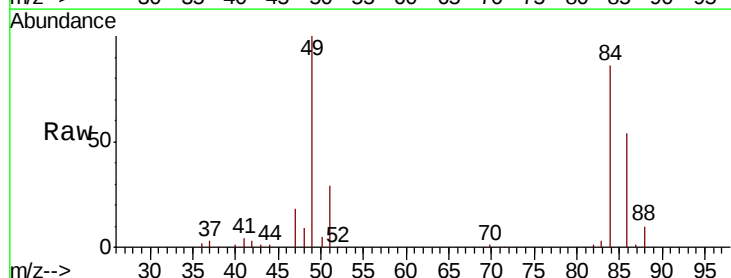
Instrument :
MSVOA_W
ClientSampled :

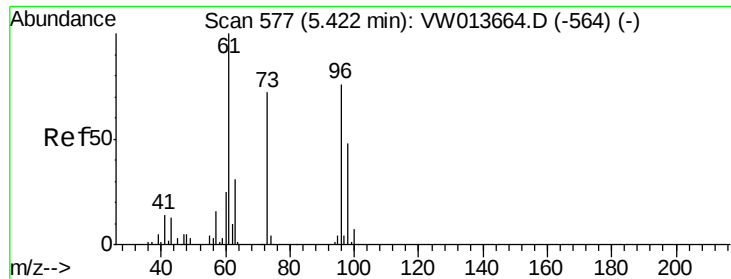
Tot Ion: 73 Resp: 81825
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4



#20
Methylene Chloride
Concen: 21.382 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 84 Resp: 72746
Ion Ratio Lower Upper
84 100
49 116.0 91.8 137.6
51 33.5 29.8 44.6
86 62.2 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 21.696 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

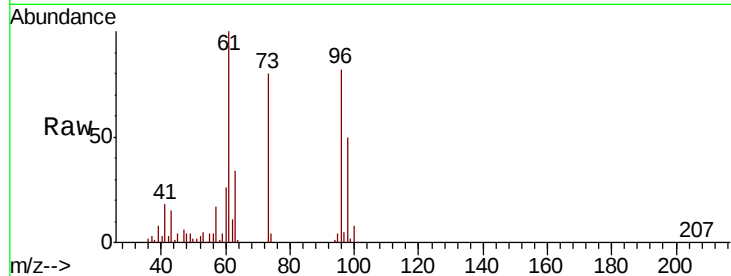
Tot Ion: 96 Resp: 72236

Ion Ratio Lower Upper

96 100

61 122.6 104.8 157.2

98 60.7 50.6 76.0

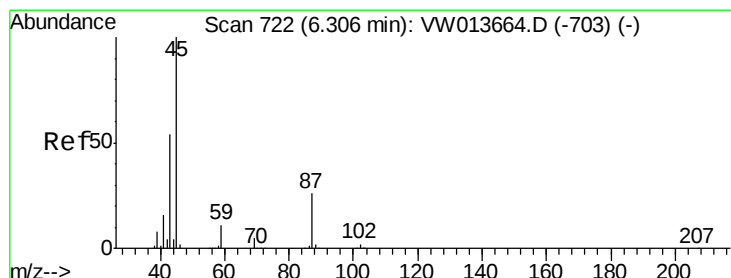
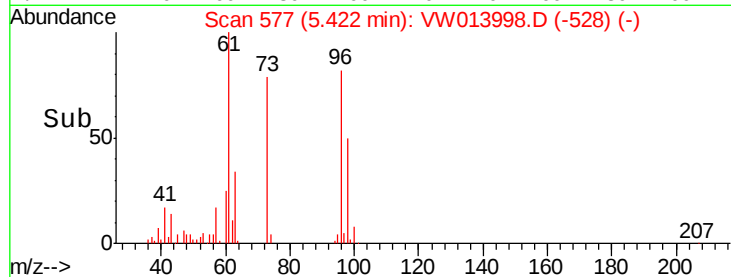
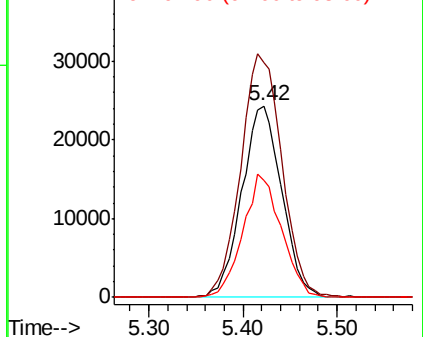


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.391 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Tgt Ion: 45 Resp: 185605

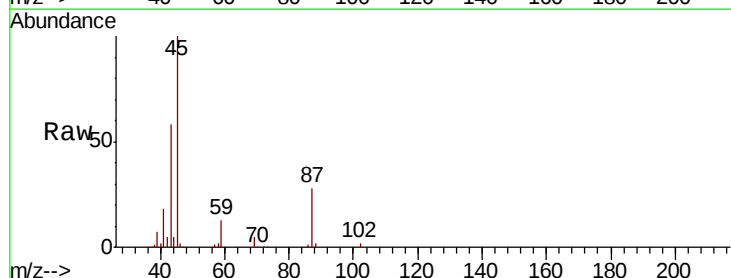
Ion Ratio Lower Upper

45 100

43 57.7 43.4 65.2

87 28.0 21.5 32.3

59 12.6 9.2 13.8



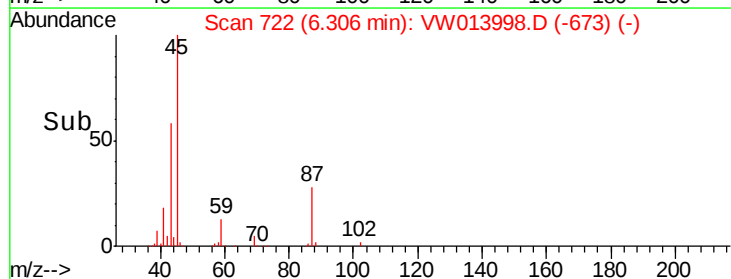
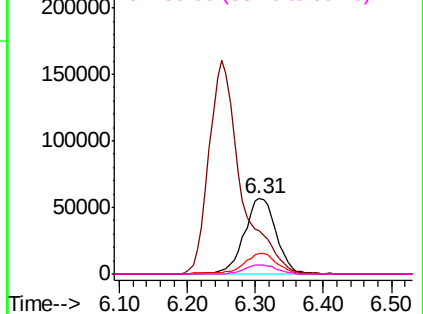
Abundance

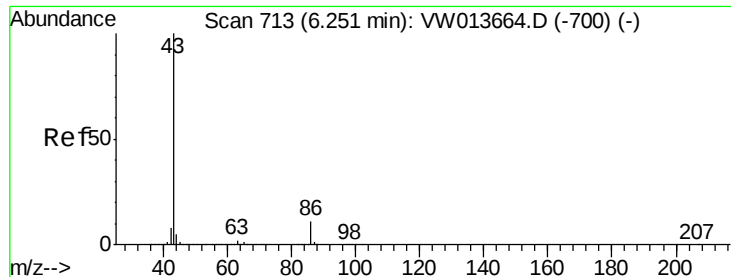
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 104.223 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

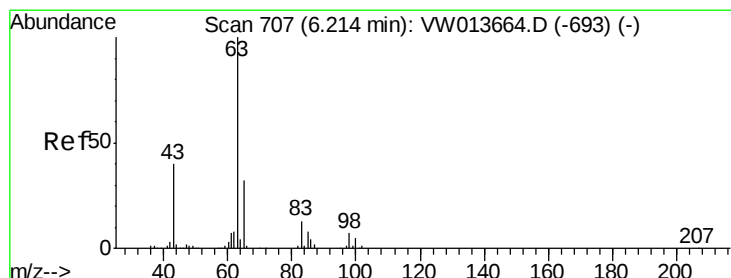
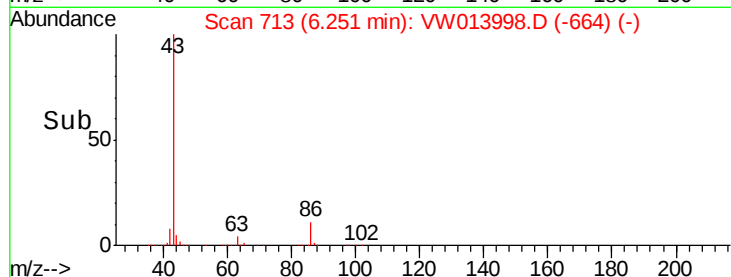
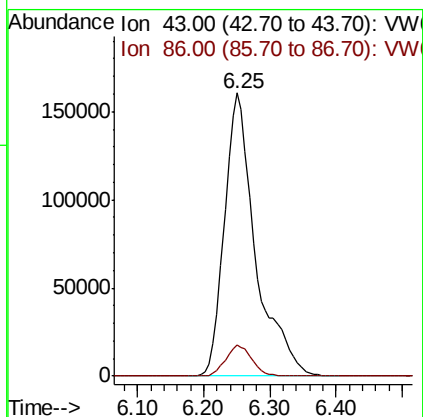
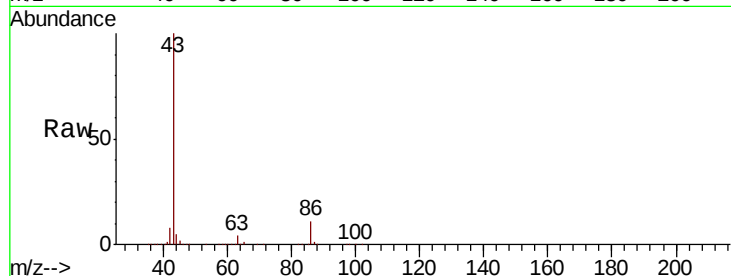
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 524718

Ion Ratio Lower Upper

43 100

86 10.9 9.0 13.6



#24

1,1-Dichloroethane

Concen: 21.287 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

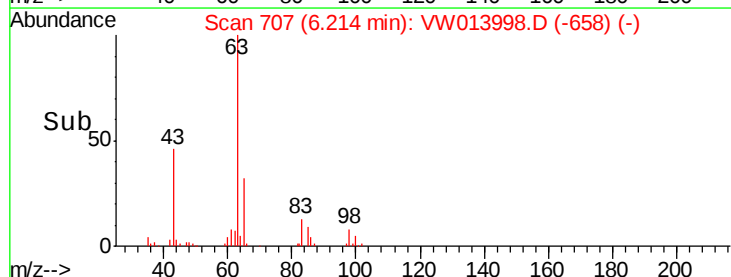
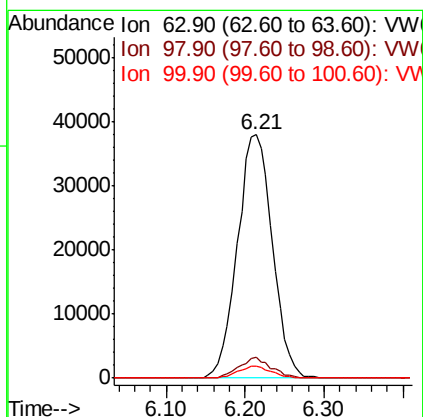
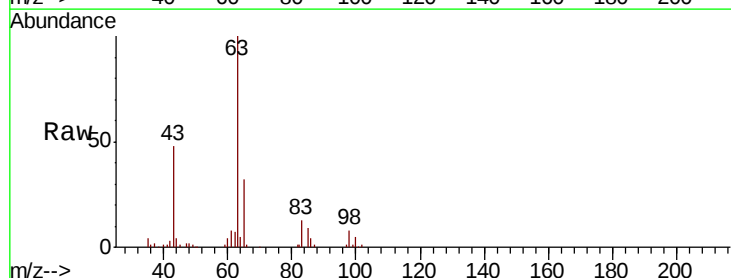
Tgt Ion: 63 Resp: 116975

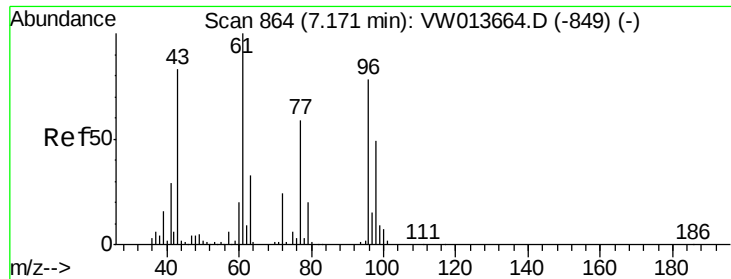
Ion Ratio Lower Upper

63 100

98 8.4 3.6 10.9

100 5.1 2.5 7.4

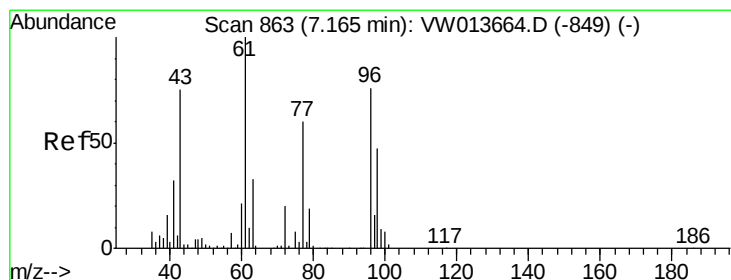
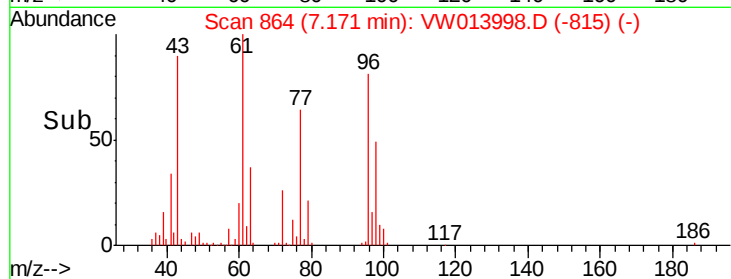
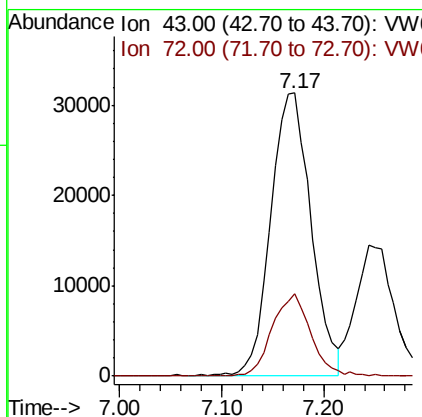
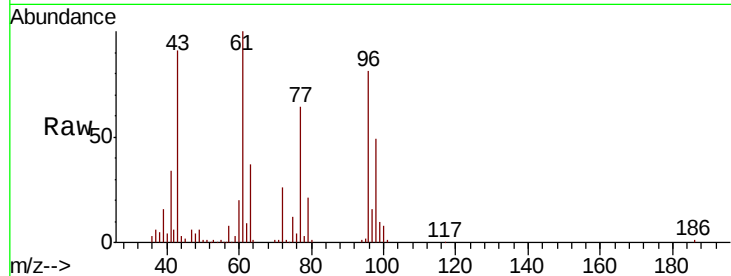




#25
2-Butanone
Concen: 108.692 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

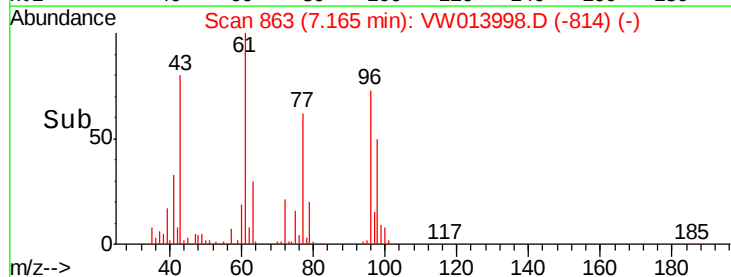
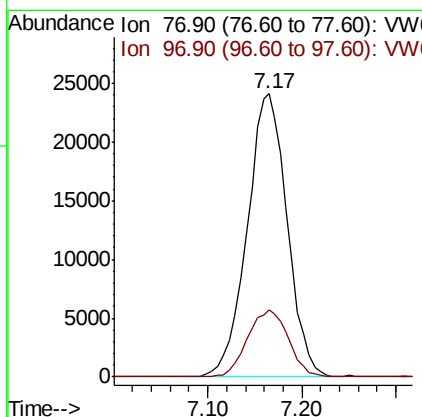
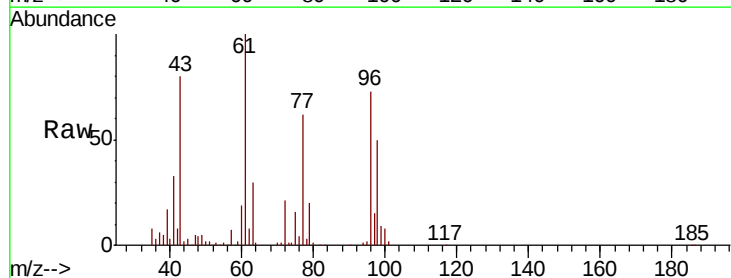
Instrument :
MSVOA_W
ClientSampled :

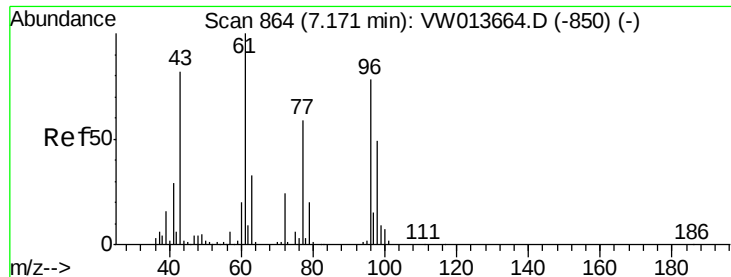
Tot Ion: 43 Resp: 85732
Ion Ratio Lower Upper
43 100
72 29.1 23.6 35.4



#26
2,2-Dichloropropane
Concen: 22.477 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 77 Resp: 71421
Ion Ratio Lower Upper
77 100
97 24.1 12.8 38.4



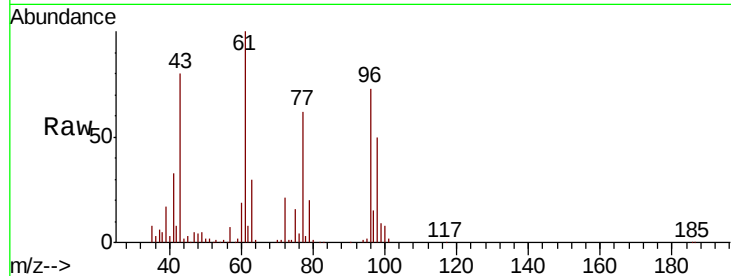


#27

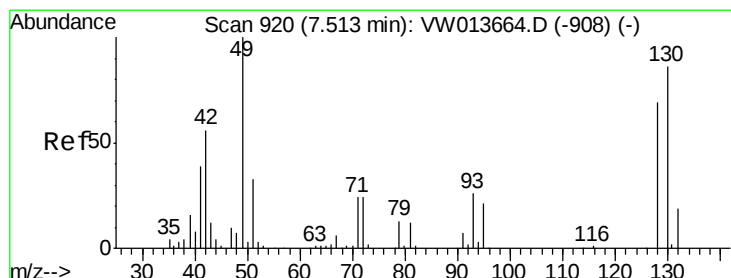
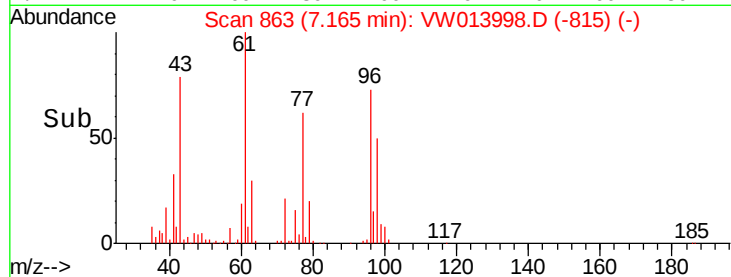
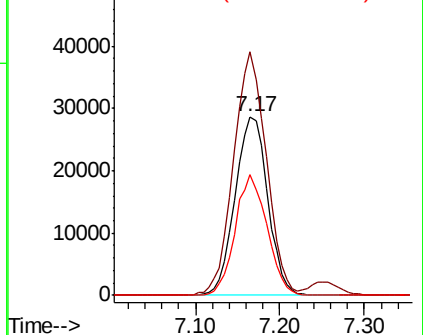
cis-1,2-Dichloroethene
Concen: 21.218 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 75034
Ion Ratio Lower Upper
96 100
61 137.2 0.0 266.0
98 65.9 0.0 126.8



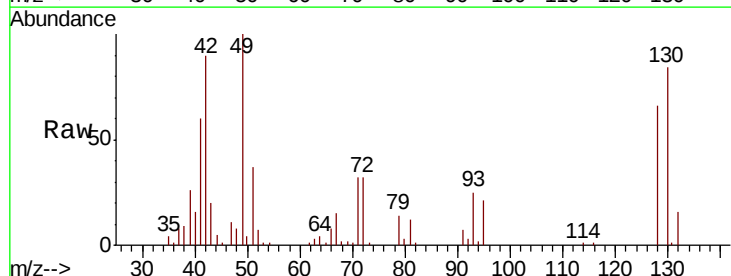
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



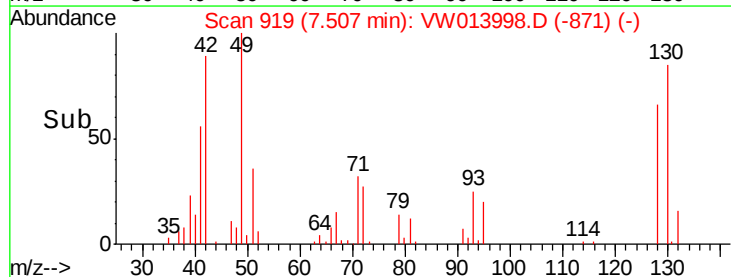
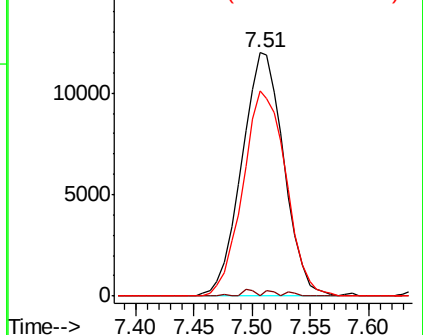
#28

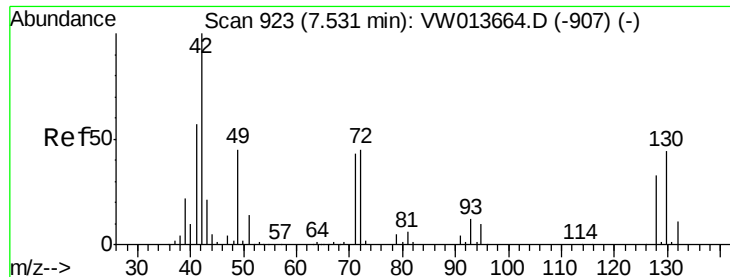
Bromochloromethane
Concen: 16.324 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 49 Resp: 30144
Ion Ratio Lower Upper
49 100
129 0.6 0.0 0.6#
130 86.7 67.5 101.3



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

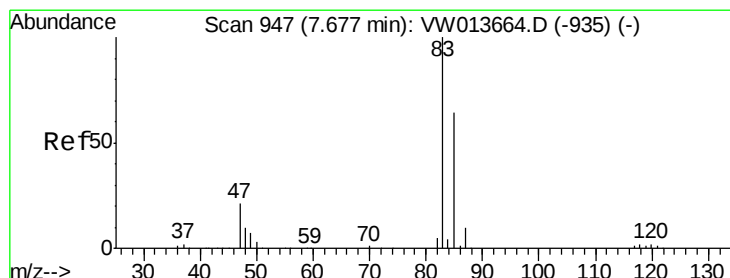
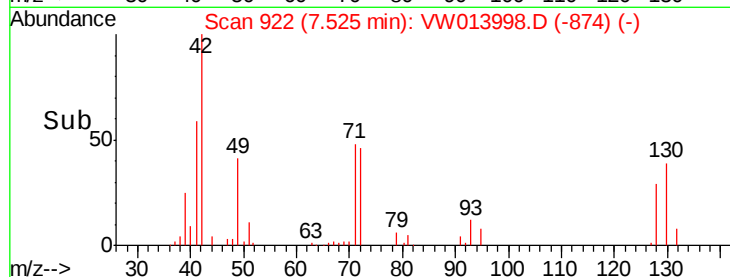
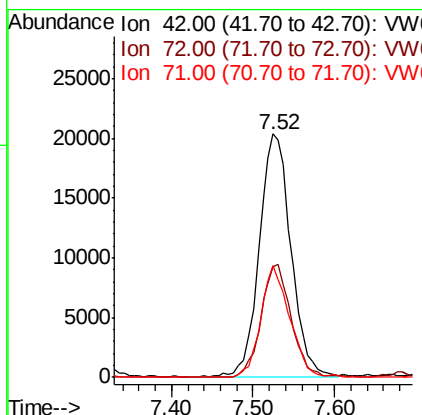
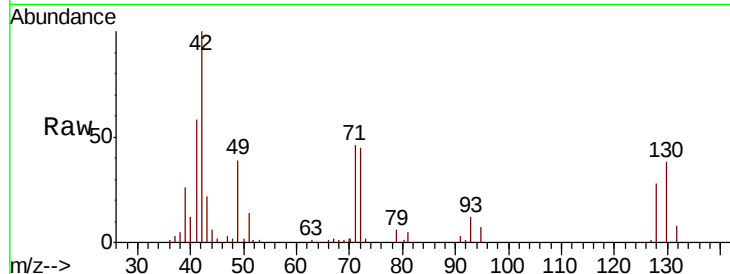




#29
Tetrahydrofuran
Concen: 113.285 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

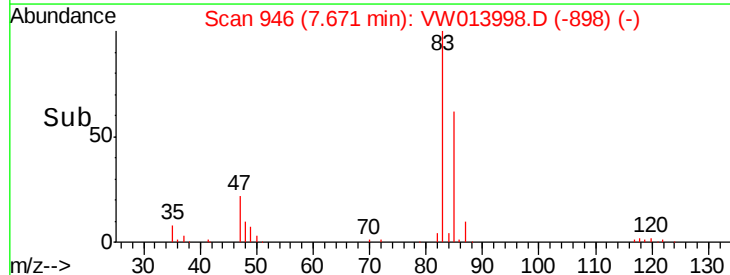
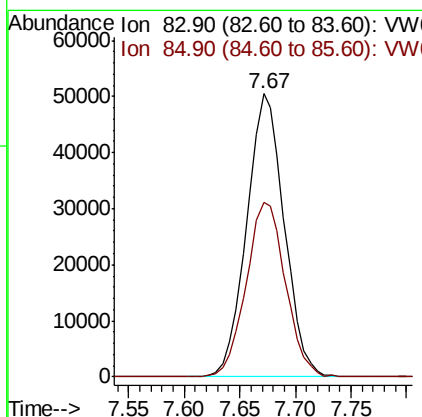
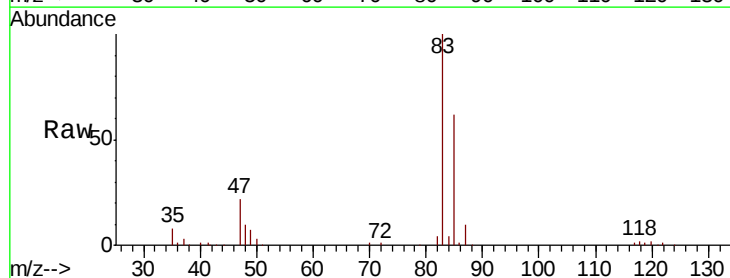
Instrument :
MSVOA_W
ClientSampled :

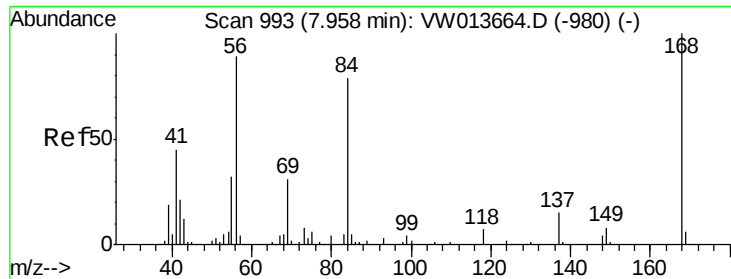
Tot Ion: 42 Resp: 55320
Ion Ratio Lower Upper
42 100
72 44.0 35.3 52.9
71 41.5 33.3 49.9



#30
Chloroform
Concen: 21.832 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 83 Resp: 118593
Ion Ratio Lower Upper
83 100
85 61.9 51.4 77.2

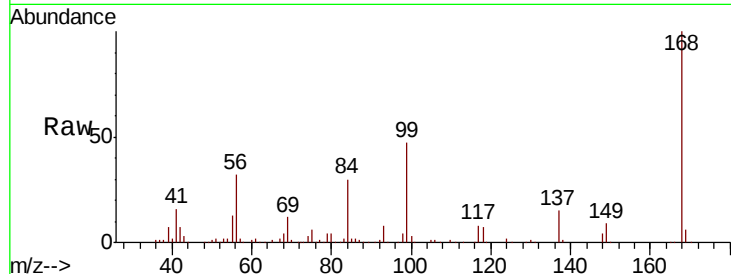




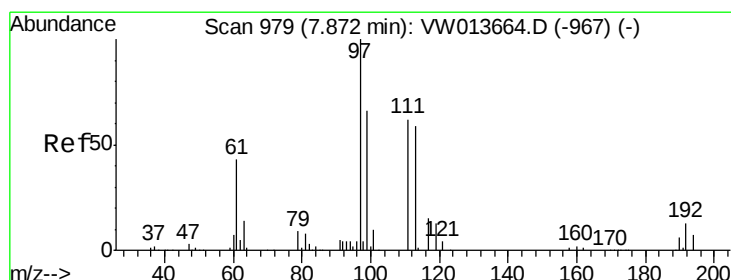
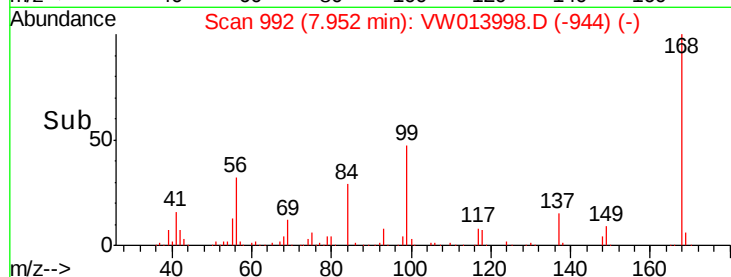
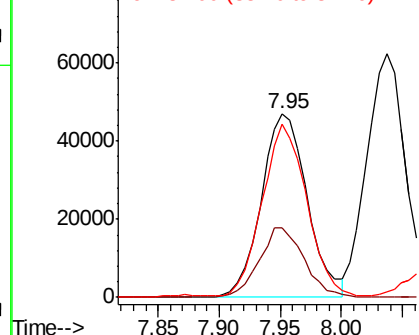
#31
Cyclohexane
Concen: 21.382 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 122964
Ion Ratio Lower Upper
56 100
69 38.0 27.5 41.3
84 93.4 70.8 106.2

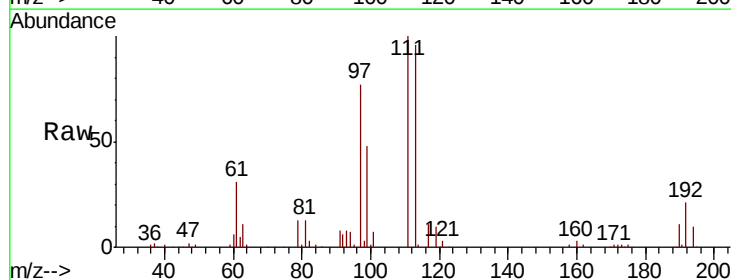


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

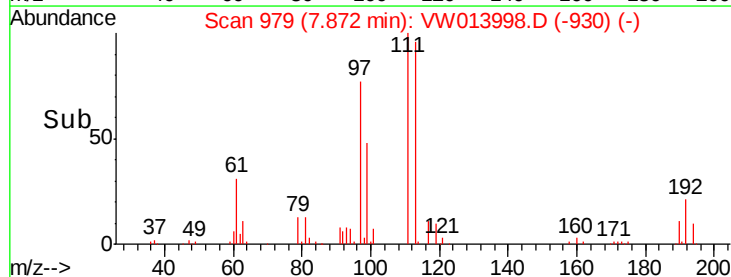
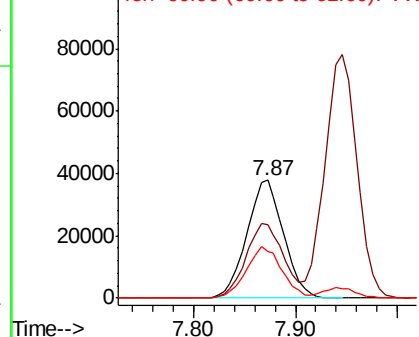


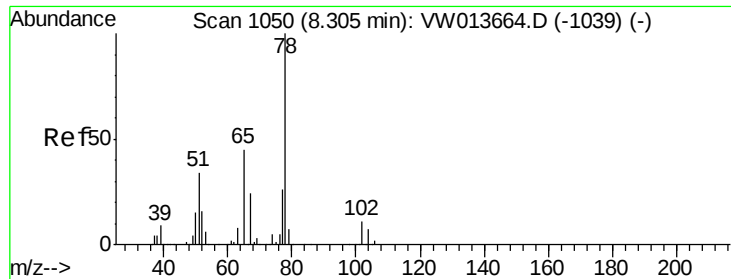
#32
1,1,1-Trichloroethane
Concen: 22.119 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 97 Resp: 94291
Ion Ratio Lower Upper
97 100
99 64.7 52.0 78.0
61 42.7 33.8 50.6



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

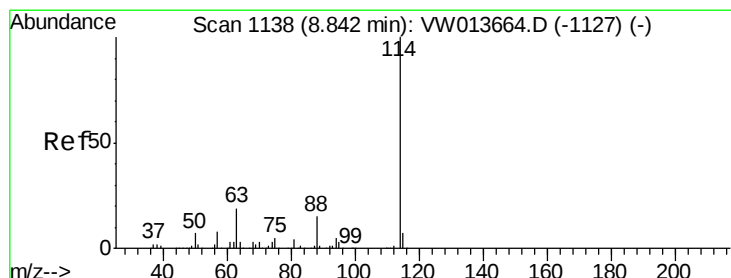
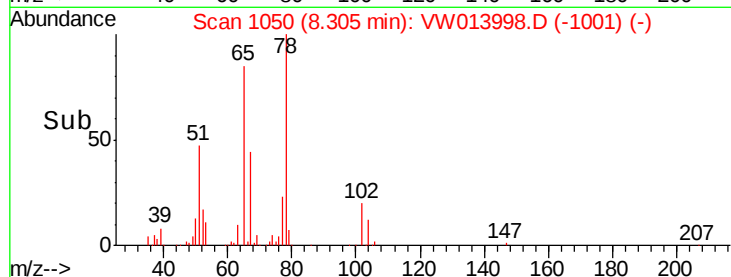
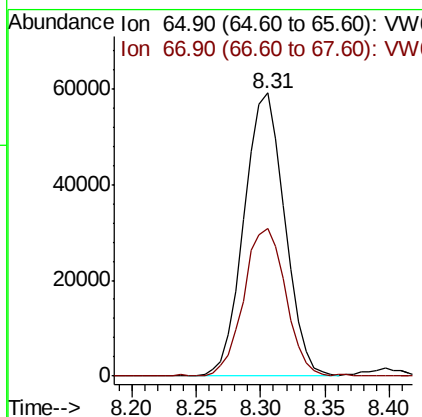
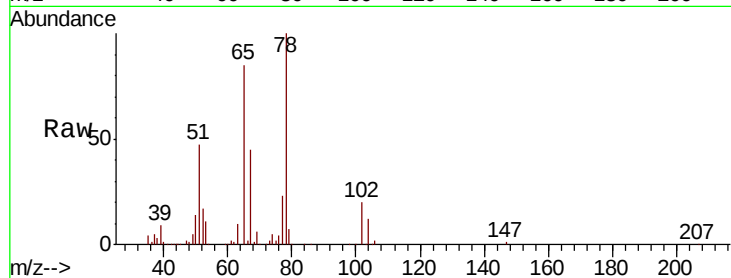




#33
 1,2-Dichloroethane-d4
 Concen: 50.011 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

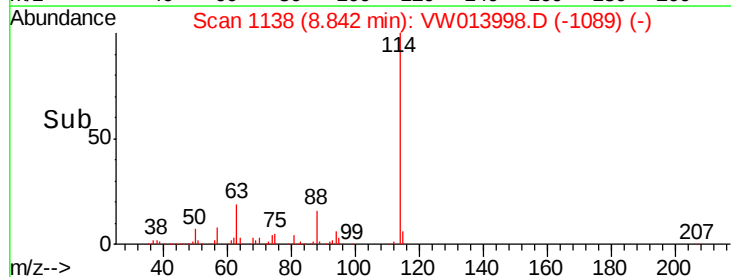
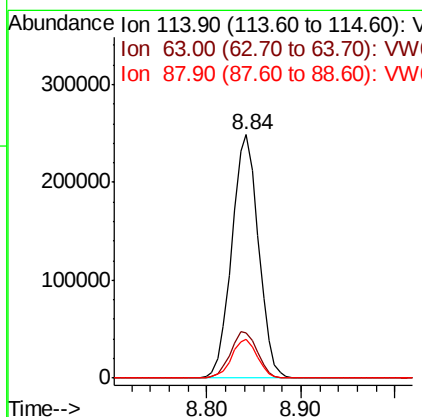
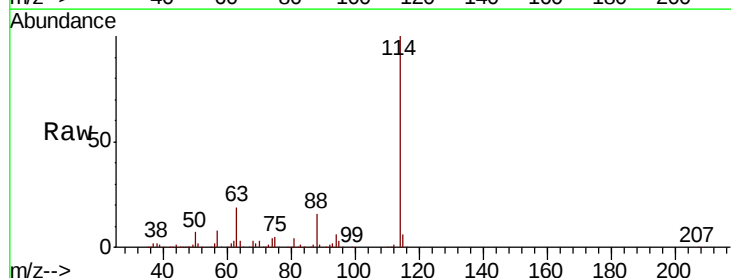
Instrument :
 MSVOA_W
 ClientSampled :

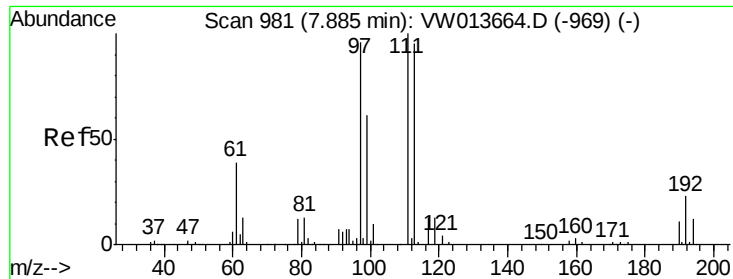
Tot Ion: 65 Resp: 129403
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion: 114 Resp: 490205
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.6
 88 16.2 0.0 30.2

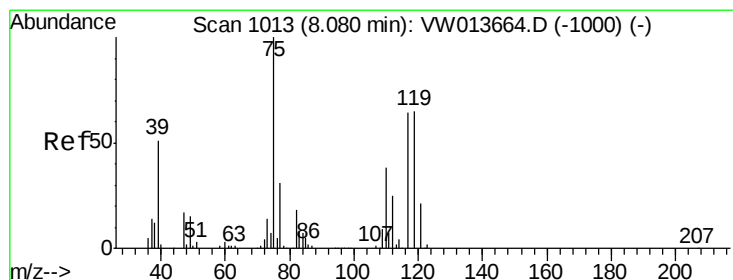
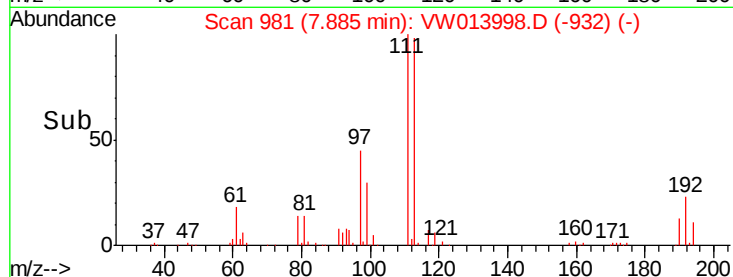
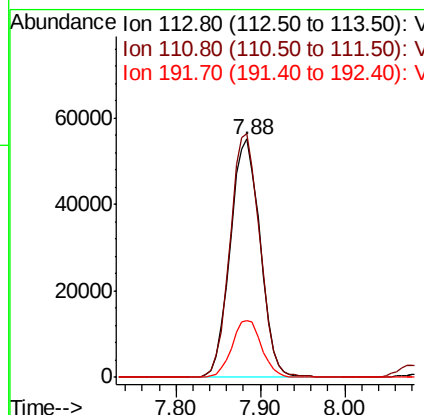
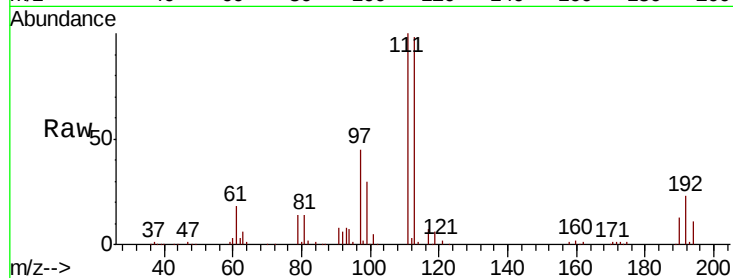




#35
 Dibromofluoromethane
 Concen: 48.666 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

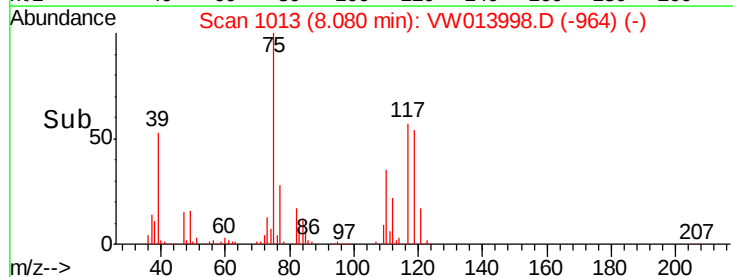
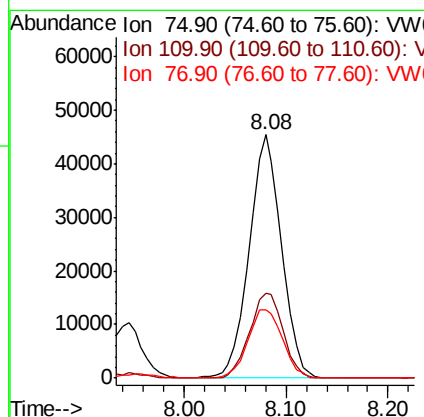
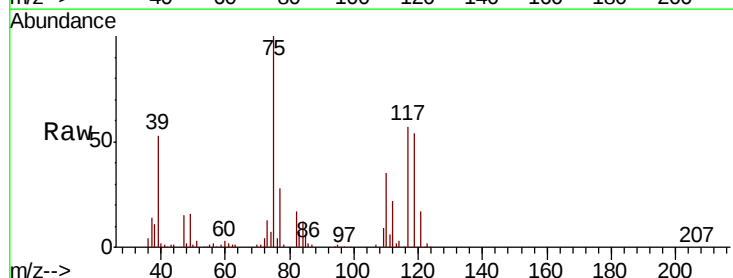
Instrument :
 MSVOA_W
 ClientSampleId :

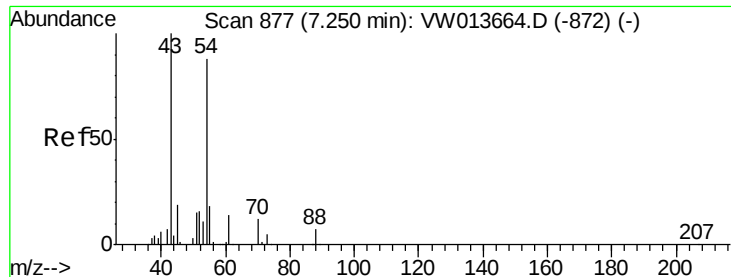
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.0	124.6
192	23.5	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 21.938 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.7	56.1
77	30.3	25.4	38.0

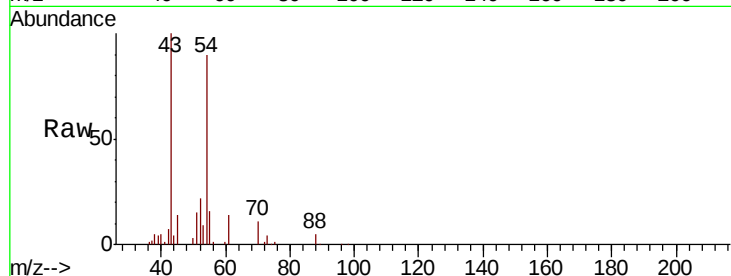




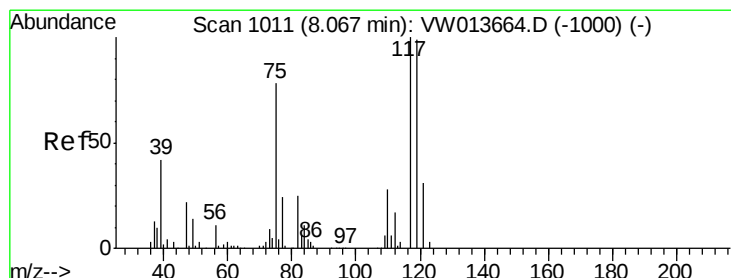
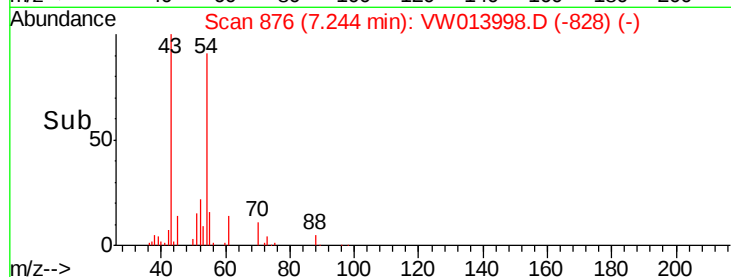
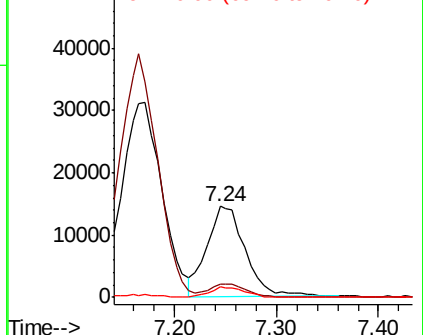
#37
Ethyl Acetate
Concen: 21.679 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 37887
Ion Ratio Lower Upper
43 100
61 14.5 11.7 17.5
70 11.0 8.8 13.2

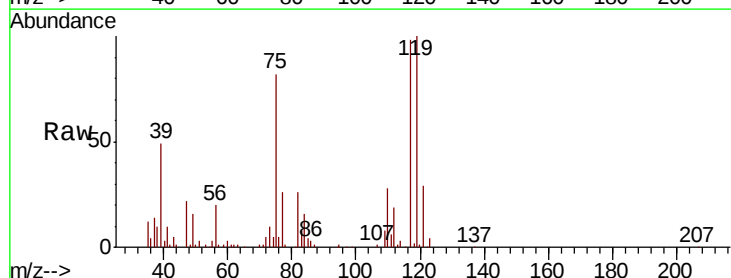


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

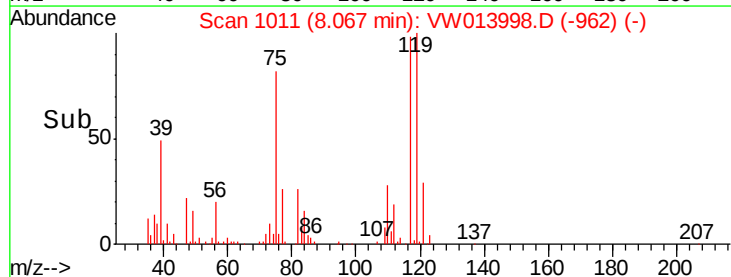
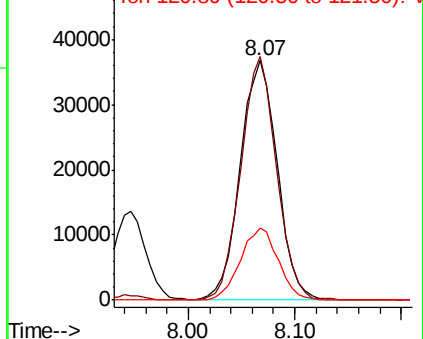


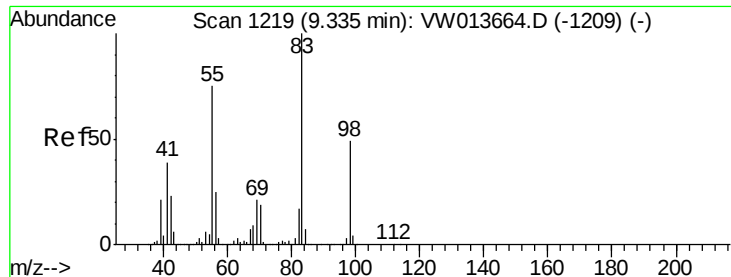
#38
Carbon Tetrachloride
Concen: 21.876 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 117 Resp: 89935
Ion Ratio Lower Upper
117 100
119 101.6 79.0 118.4
121 29.8 24.5 36.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

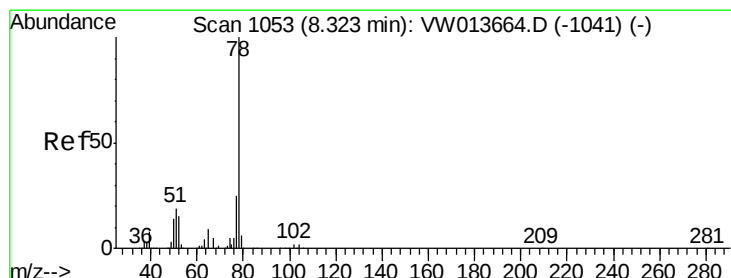
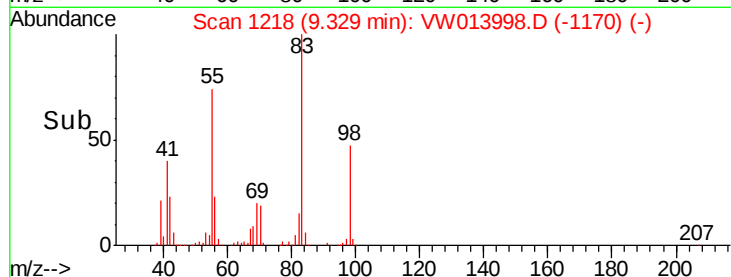
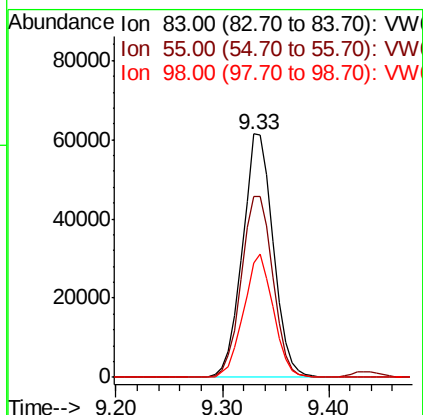
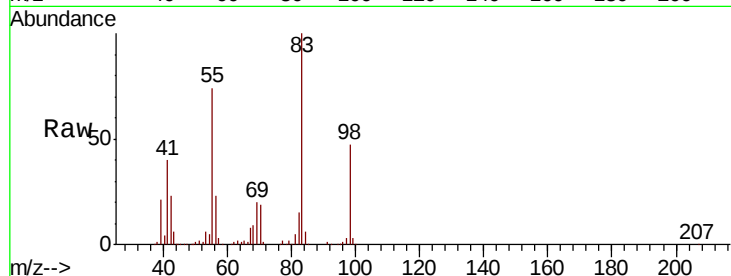




#39
Methvlcvclohexane
Concen: 21.258 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

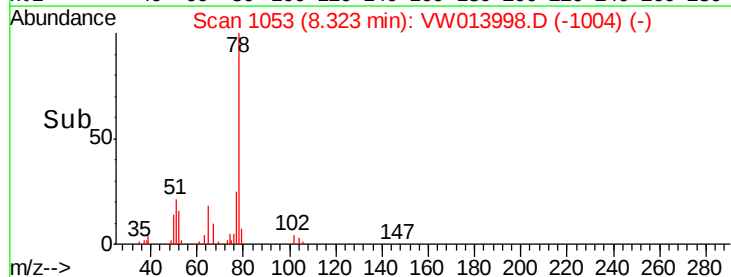
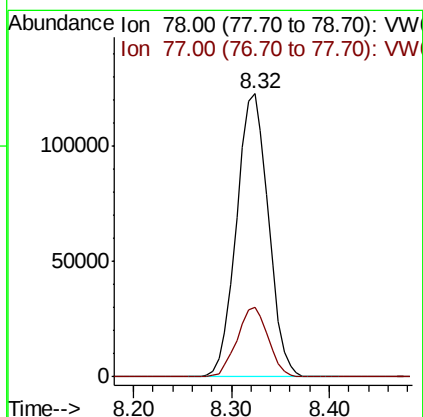
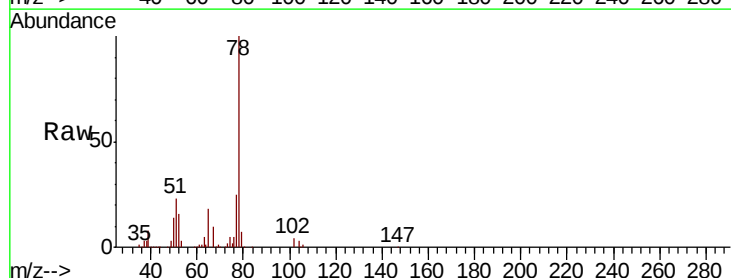
Instrument :
MSVOA_W
ClientSampled :

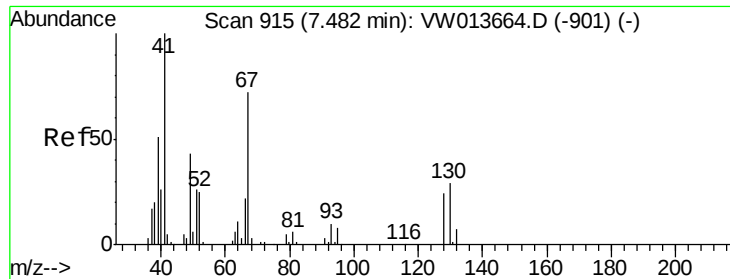
Tot Ion: 83 Resp: 125328
Ion Ratio Lower Upper
83 100
55 74.4 59.9 89.9
98 46.9 39.4 59.2



#40
Benzene
Concen: 21.476 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 78 Resp: 277469
Ion Ratio Lower Upper
78 100
77 24.6 19.6 29.4

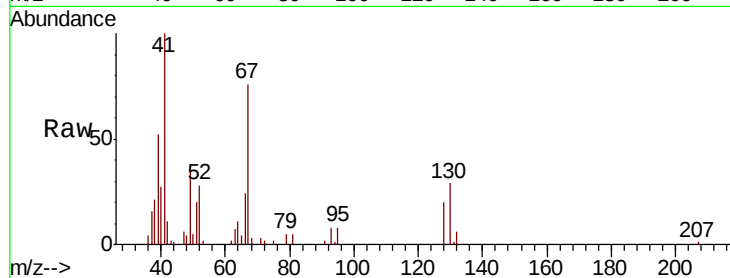




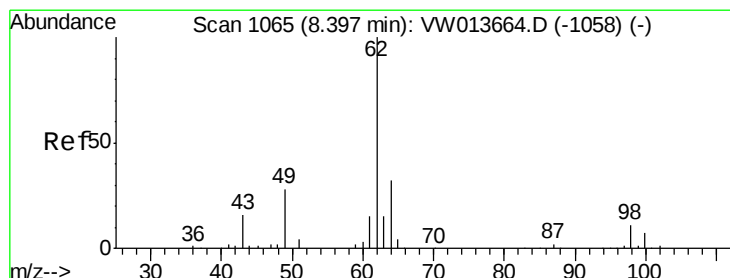
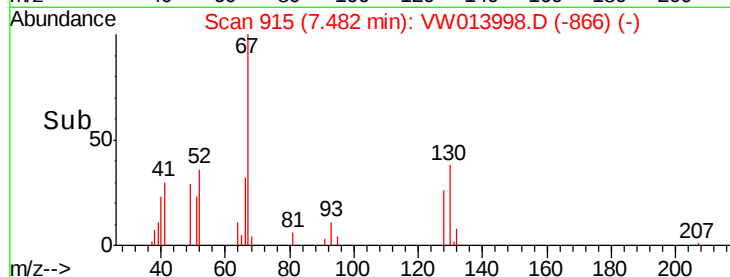
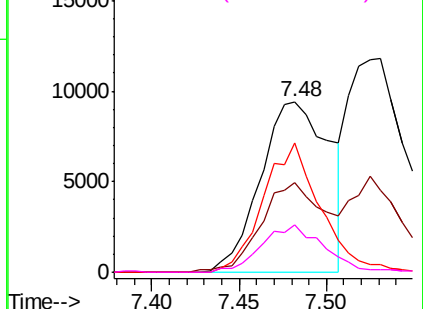
#41
Methacrylonitrile
Concen: 23.762 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	25895
Ion	Ratio	Lower	Upper
41	100		
39	49.1	44.8	67.2
67	63.1	59.3	88.9
52	25.2	23.4	35.0

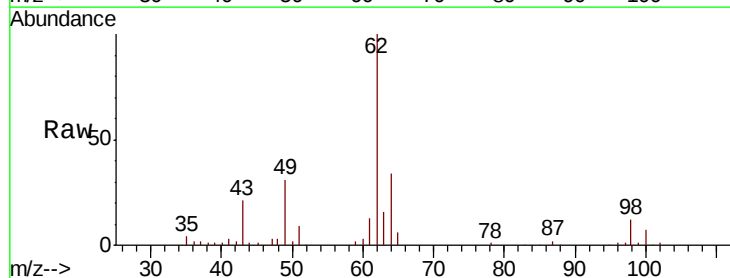


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

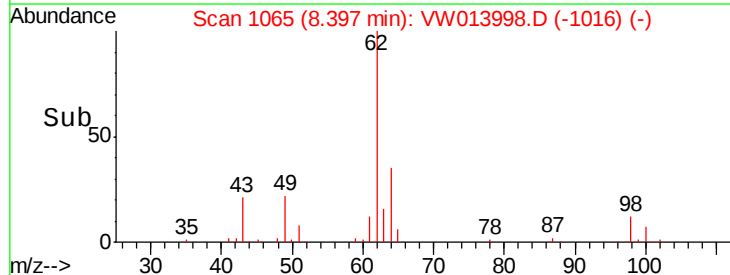
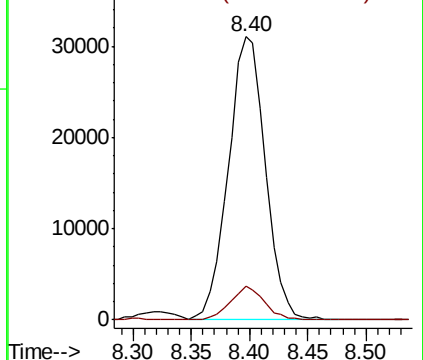


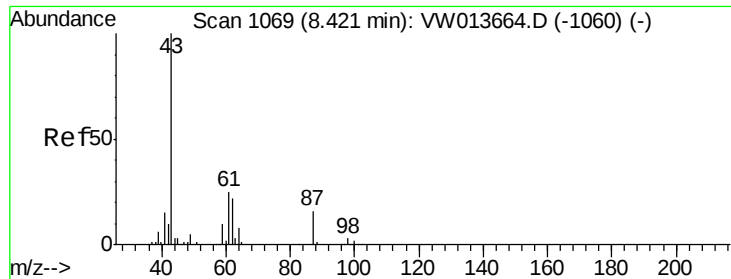
#42
1,2-Dichloroethane
Concen: 21.139 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion:	62	Resp:	68824
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.066 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

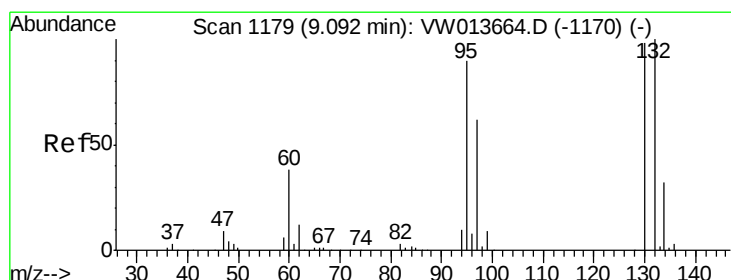
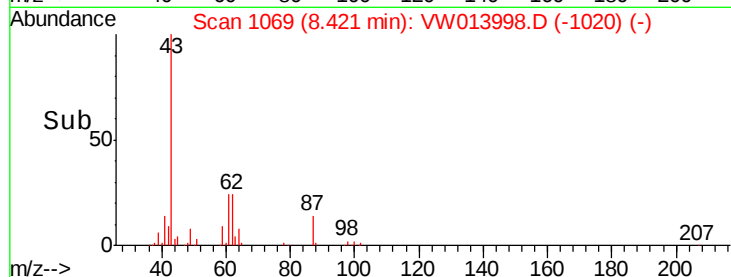
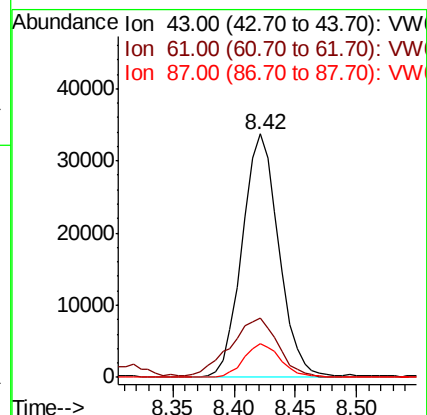
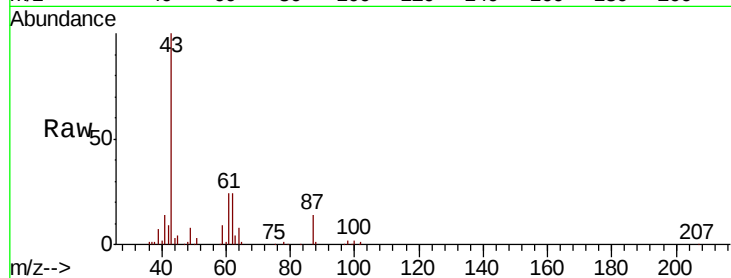
Tot Ion: 43 Resp: 70468

Ion Ratio Lower Upper

43 100

61 31.6 26.1 39.1

87 13.6 11.4 17.0



#44

Trichloroethene

Concen: 21.162 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013998.D

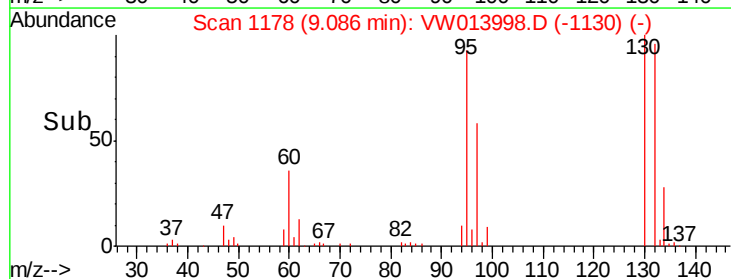
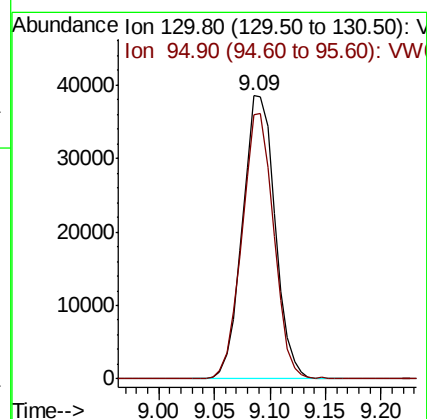
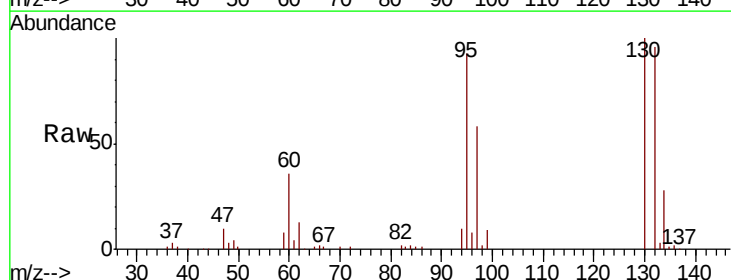
Acq: 13 Nov 2019 11:29

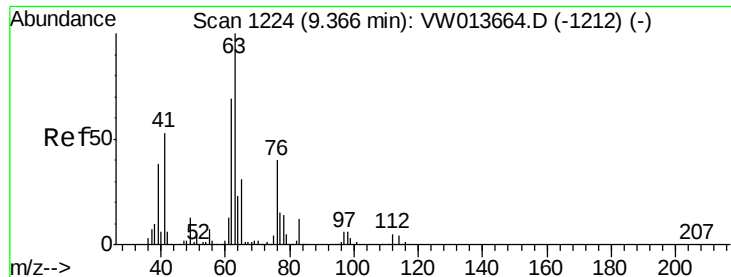
Tgt Ion: 130 Resp: 78317

Ion Ratio Lower Upper

130 100

95 93.4 0.0 184.6





#45

1,2-Dichloropropane

Concen: 21.583 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

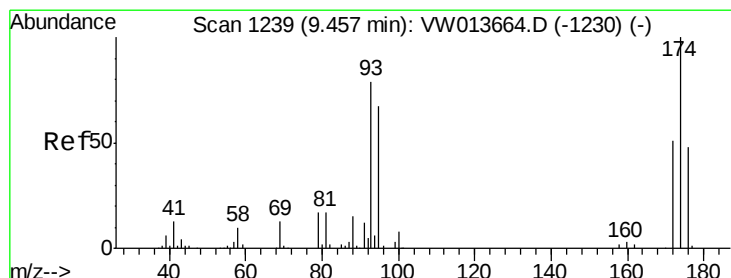
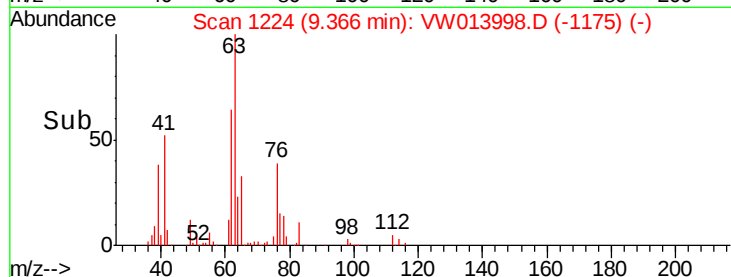
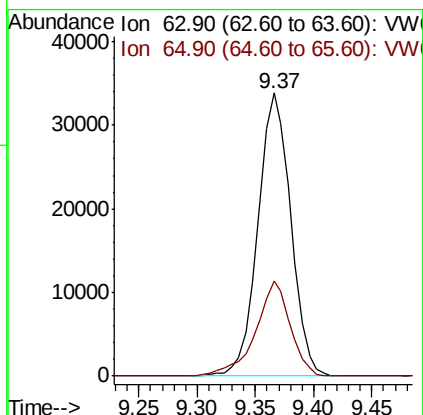
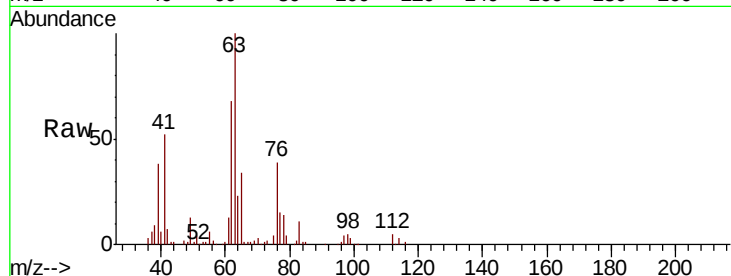
ClientSampleId :

Tot Ion: 63 Resp: 66606

Ion Ratio Lower Upper

63 100

65 33.7 25.2 37.8



#46

Dibromomethane

Concen: 20.750 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

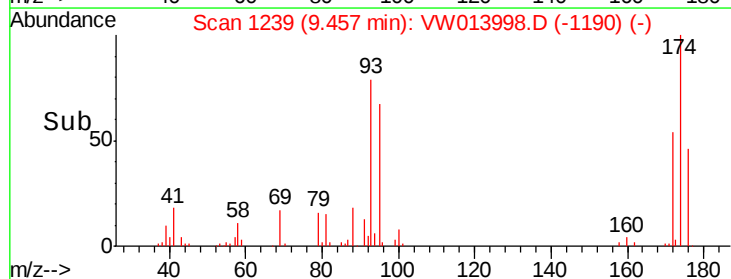
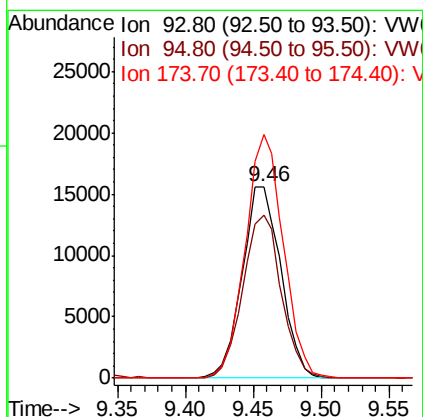
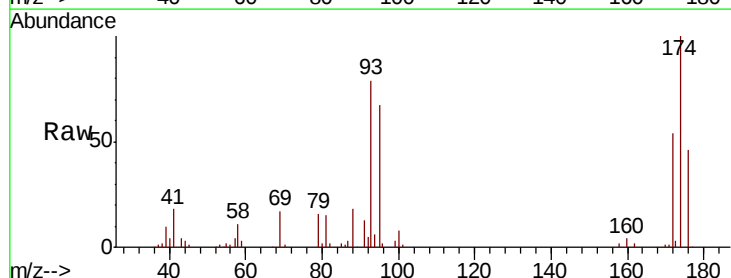
Tgt Ion: 93 Resp: 31080

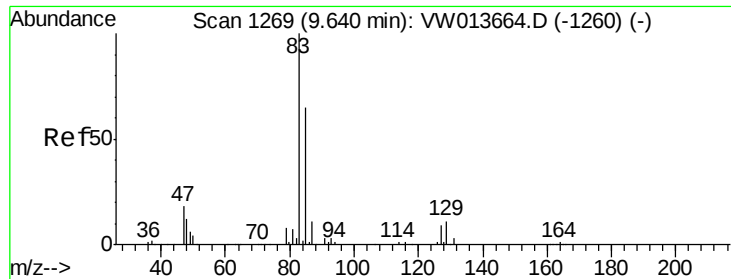
Ion Ratio Lower Upper

93 100

95 84.4 66.5 99.7

174 125.2 99.6 149.4

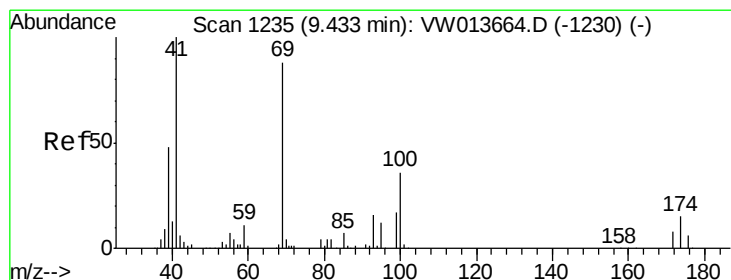
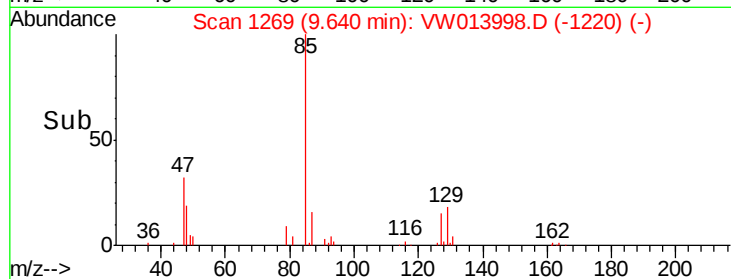
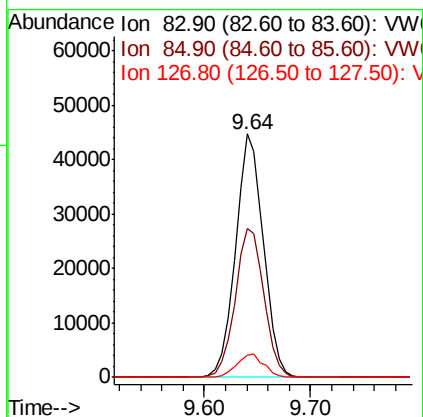
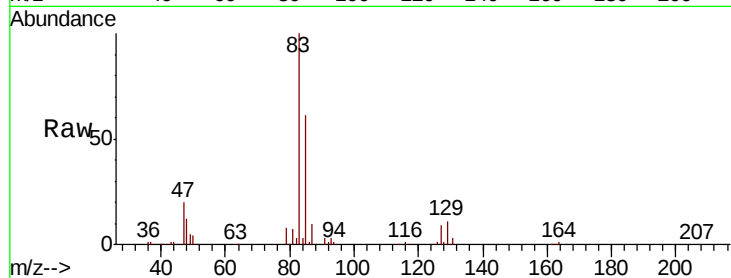




#47
 Bromodichloromethane
 Concen: 21.123 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

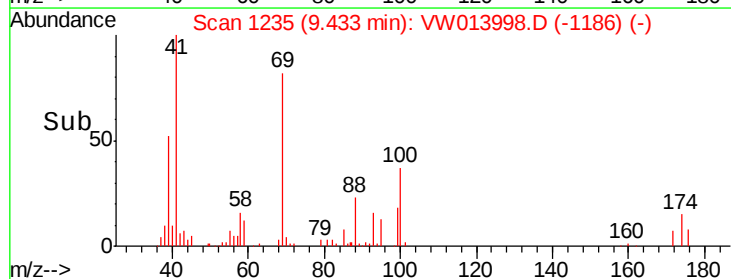
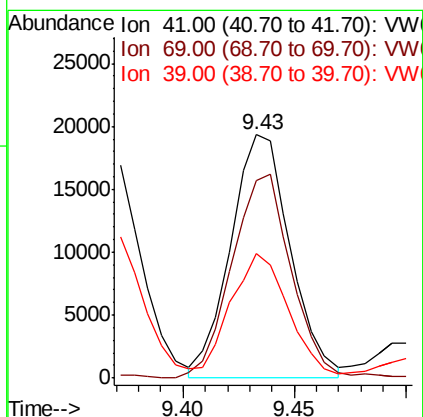
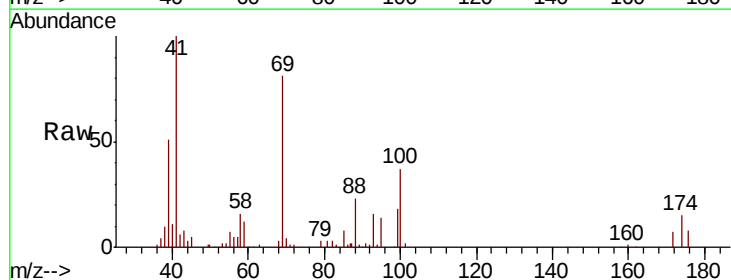
Instrument :
 MSVOA_W
 ClientSampleId :

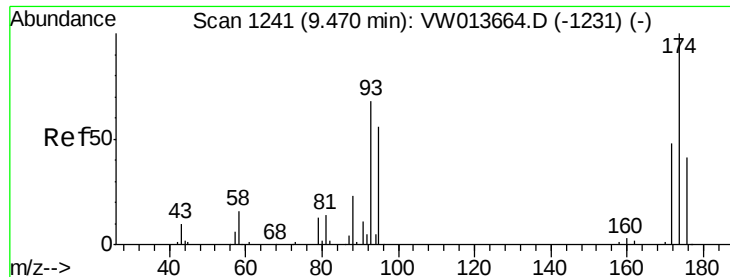
Tot Ion: 83 Resp: 81863
 Ion Ratio Lower Upper
 83 100
 85 61.1 51.8 77.6
 127 9.2 7.3 10.9



#48
 Methyl methacrylate
 Concen: 21.754 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion: 41 Resp: 36086
 Ion Ratio Lower Upper
 41 100
 69 83.8 67.6 101.4
 39 46.8 38.6 58.0

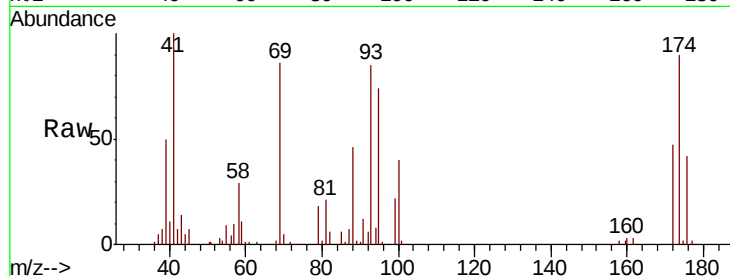




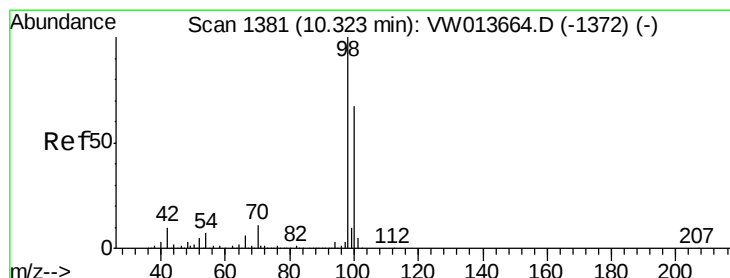
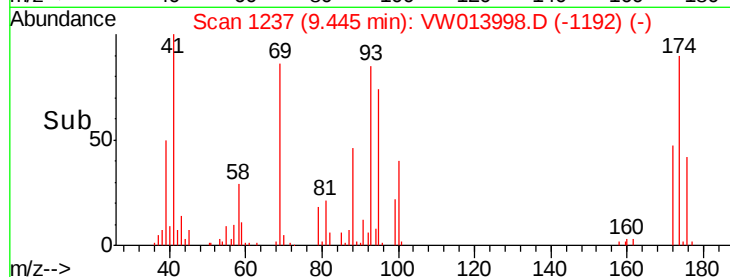
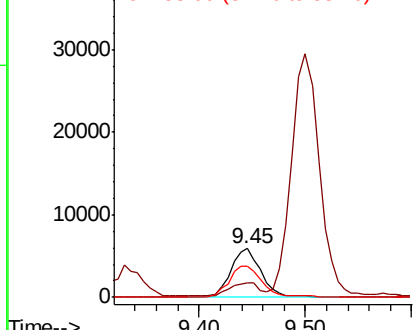
#49
1,4-Dioxane
Concen: 536.524 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 11875
Ion Ratio Lower Upper
88 100
43 27.6 0.0 0.0#
58 68.0 58.9 88.3

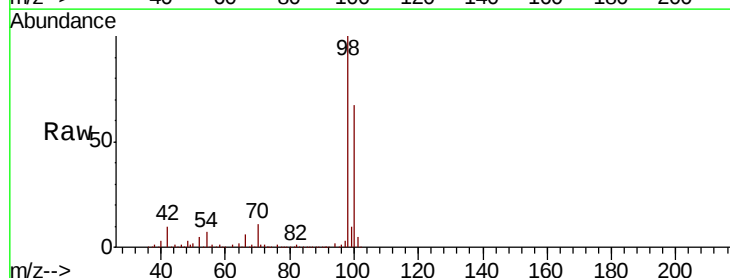


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

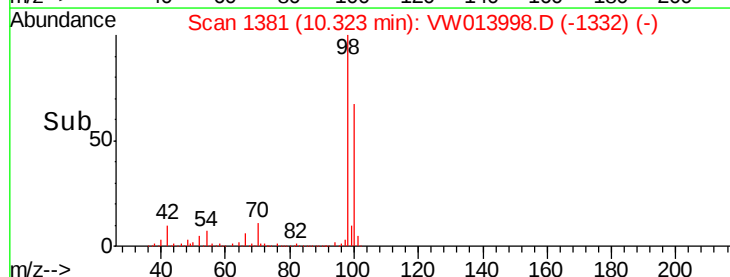
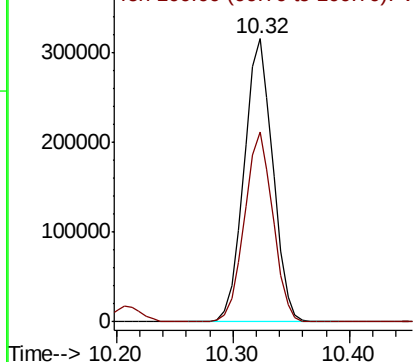


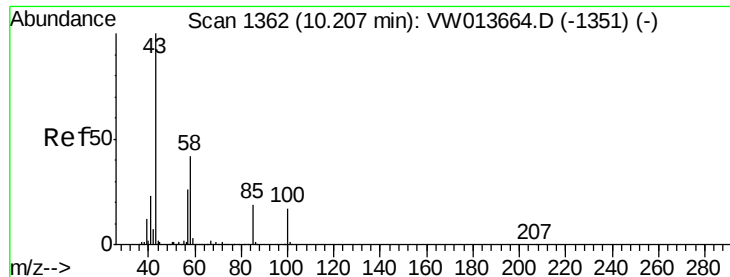
#50
Toluene-d8
Concen: 49.072 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 98 Resp: 544652
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 109.207 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

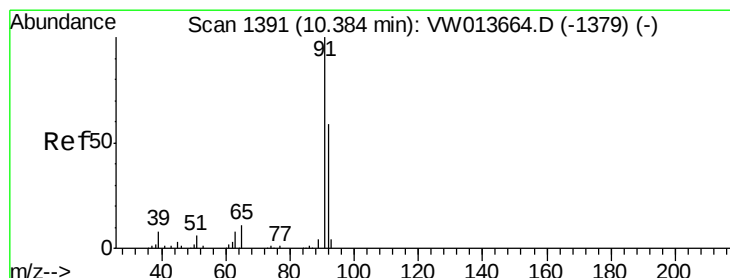
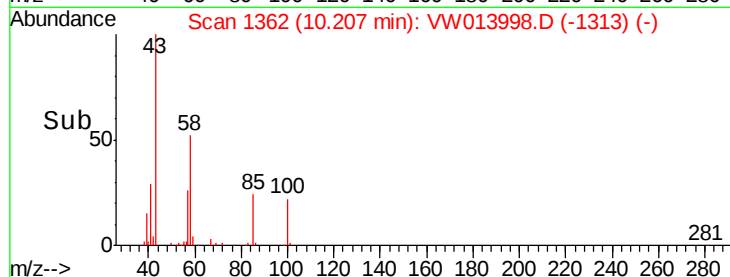
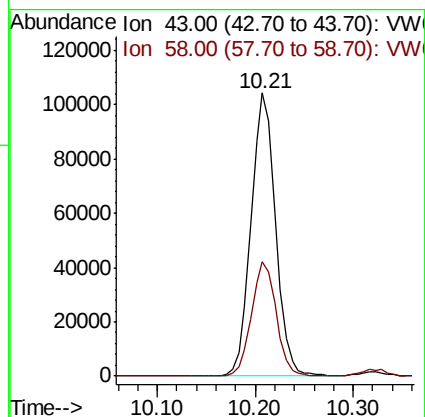
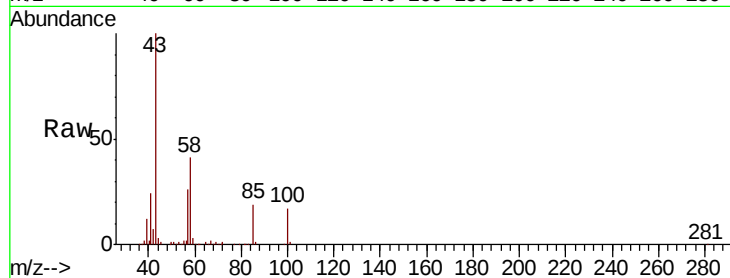
ClientSampleId :

Tot Ion: 43 Resp: 181531

Ion Ratio Lower Upper

43 100

58 40.7 32.6 49.0



#52

Toluene

Concen: 21.319 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013998.D

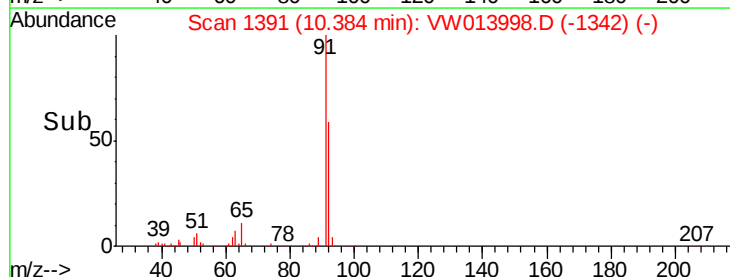
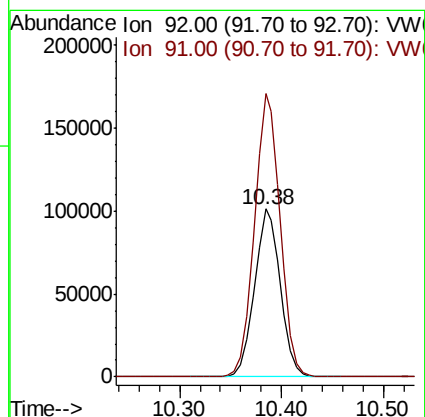
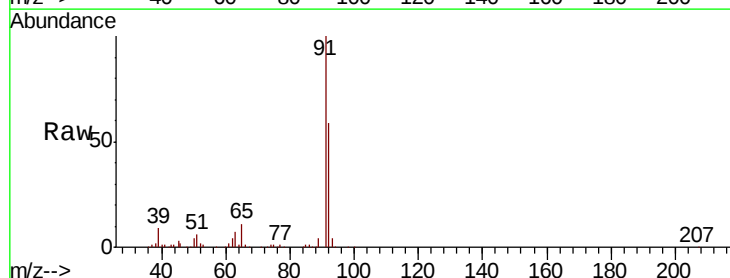
Acq: 13 Nov 2019 11:29

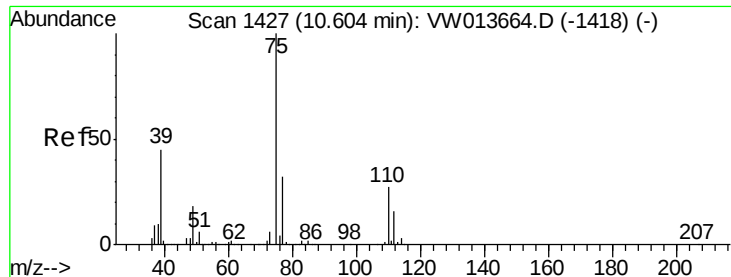
Tgt Ion: 92 Resp: 177667

Ion Ratio Lower Upper

92 100

91 168.8 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 20.717 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

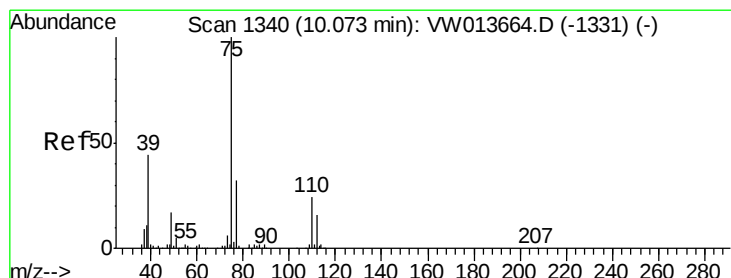
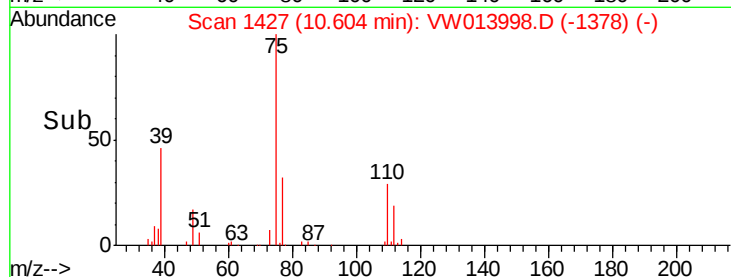
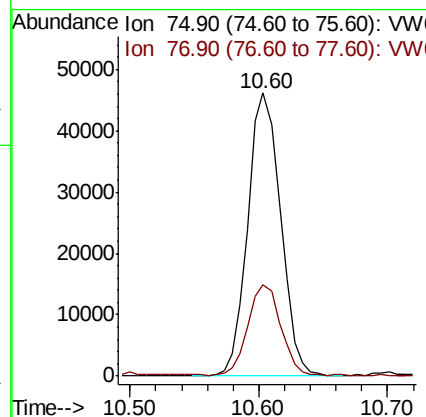
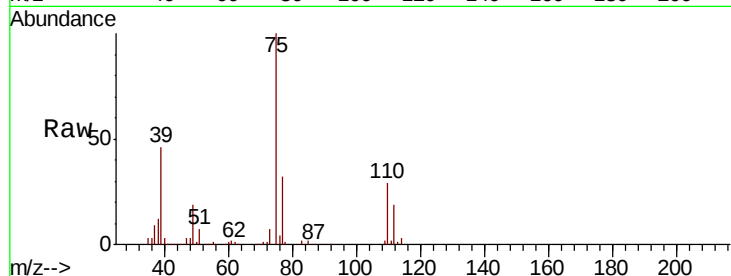
ClientSampled :

Tot Ion: 75 Resp: 81278

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.821 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

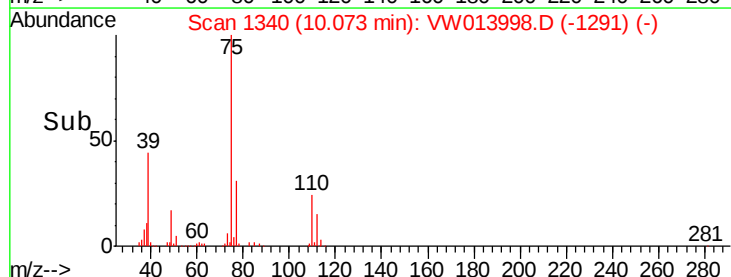
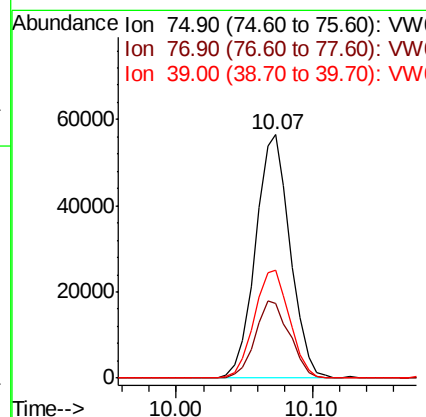
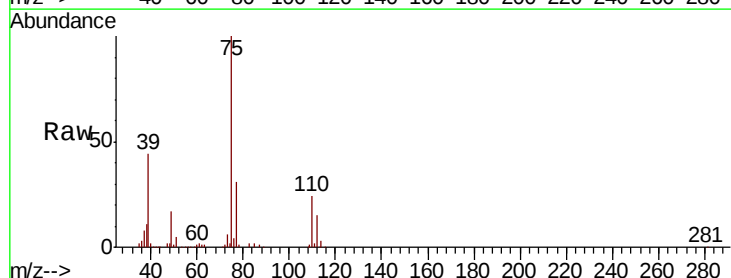
Tgt Ion: 75 Resp: 100783

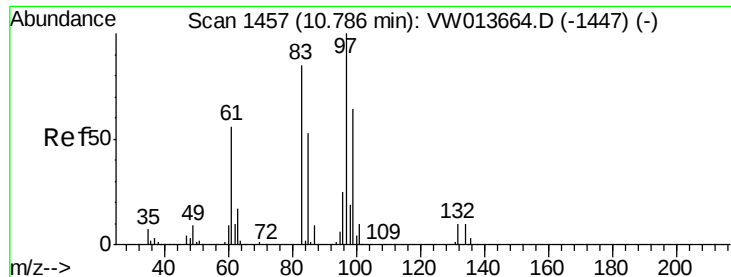
Ion Ratio Lower Upper

75 100

77 30.5 25.8 38.6

39 44.4 35.3 52.9

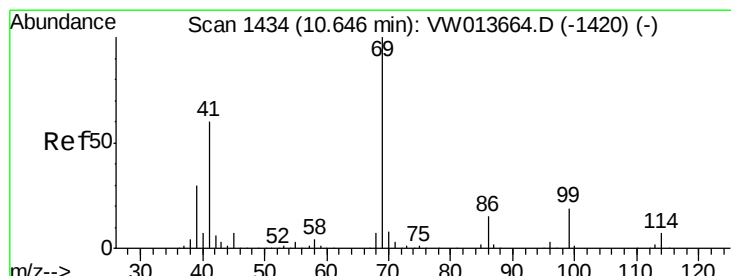
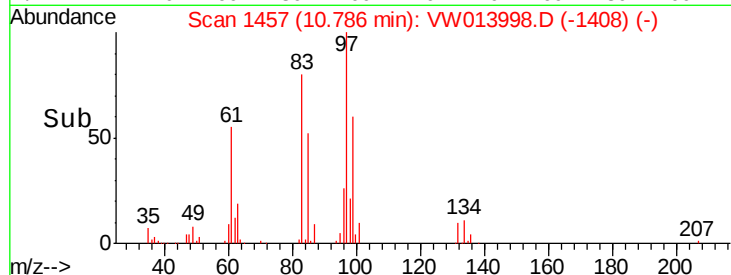
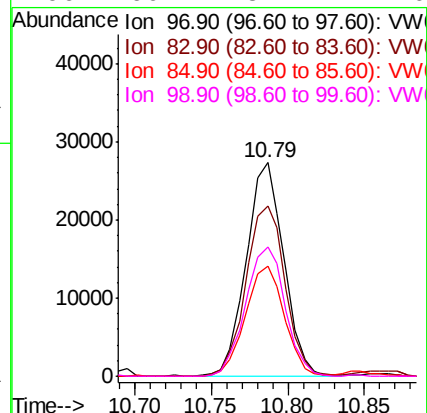
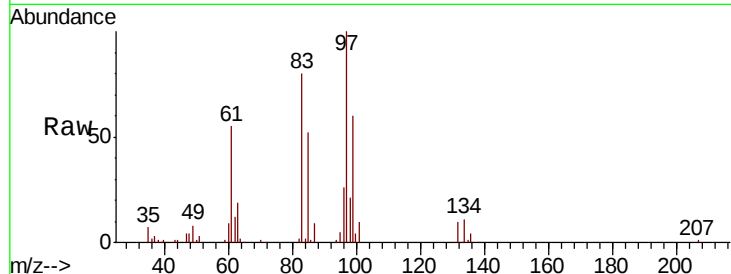




#55
 1,1,2-Trichloroethane
 Concen: 20.902 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

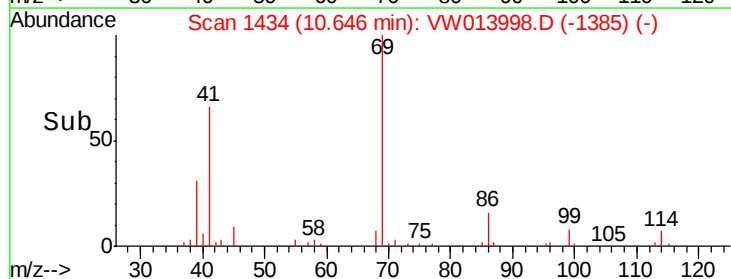
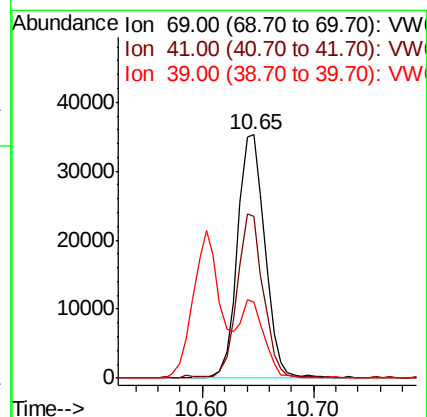
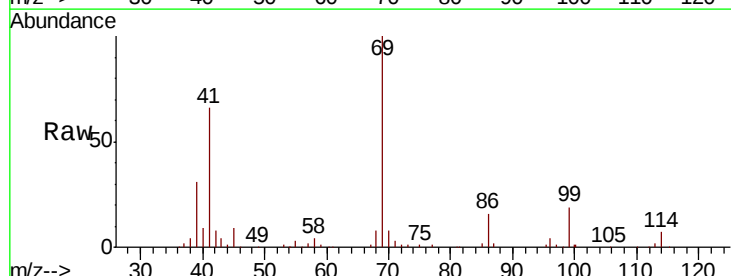
Instrument :
 MSVOA_W
 ClientSampleId :

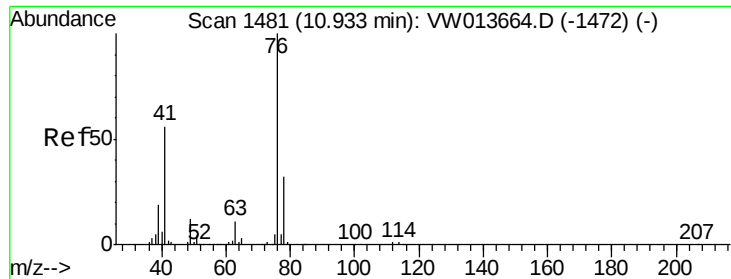
Tot Ion: 97 Resp: 46659
 Ion Ratio Lower Upper
 97 100
 83 79.9 67.8 101.8
 85 51.6 42.1 63.1
 99 60.4 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 21.564 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion: 69 Resp: 60225
 Ion Ratio Lower Upper
 69 100
 41 64.0 51.6 77.4
 39 27.7 22.4 33.6

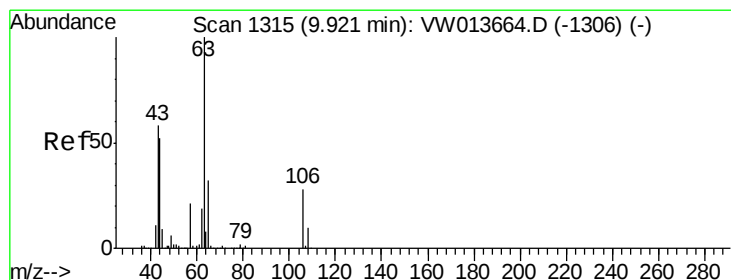
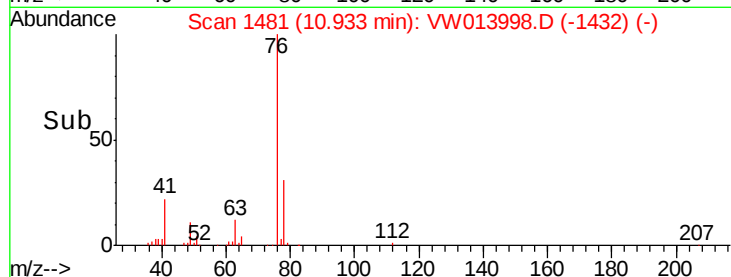
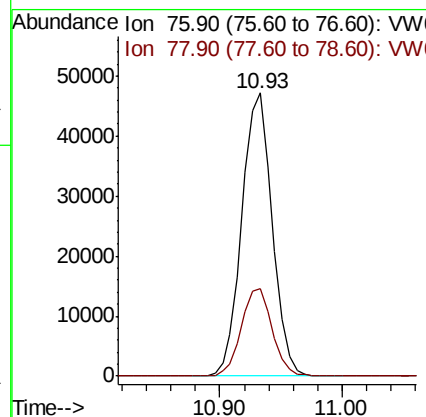
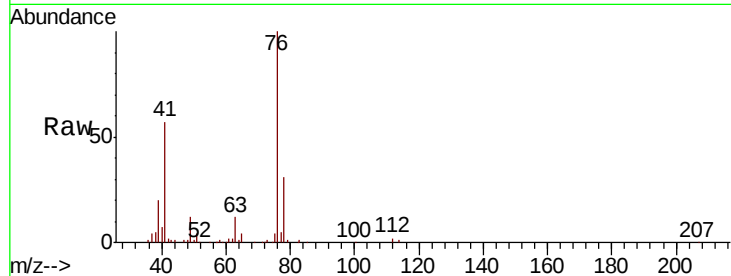




#57
 1,3-Dichloropropane
 Concen: 21.145 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

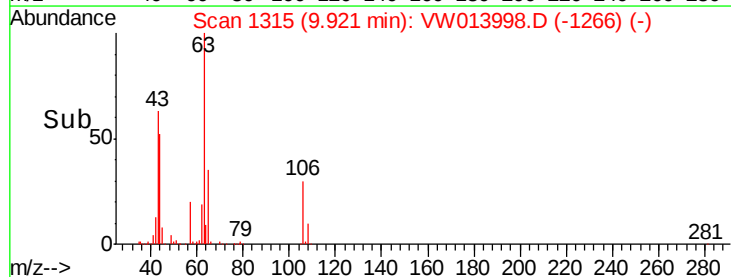
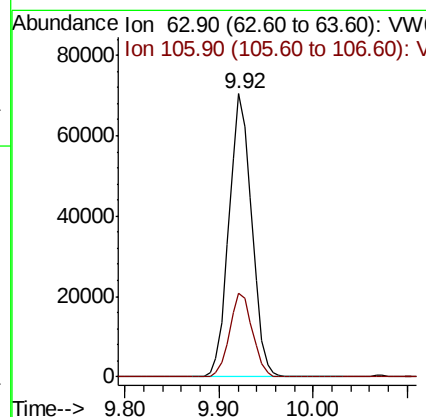
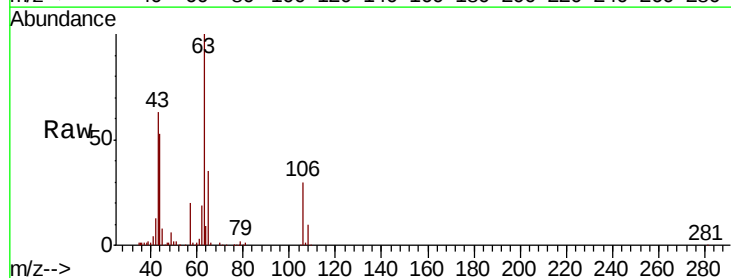
Instrument :
 MSVOA_W
 ClientSampled :

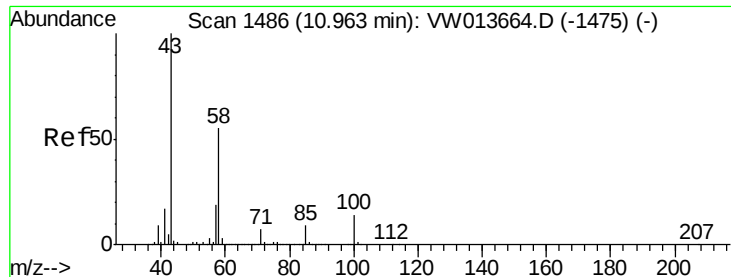
Tot Ion: 76 Resp: 80999
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.824 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion: 63 Resp: 118027
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8

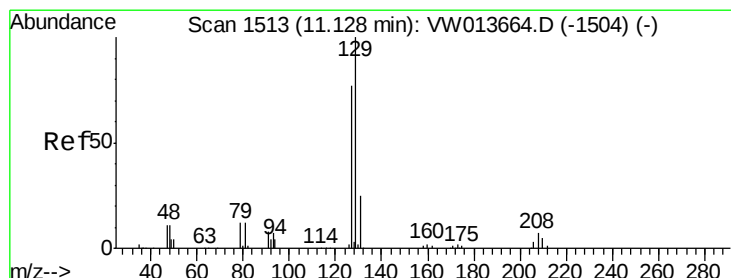
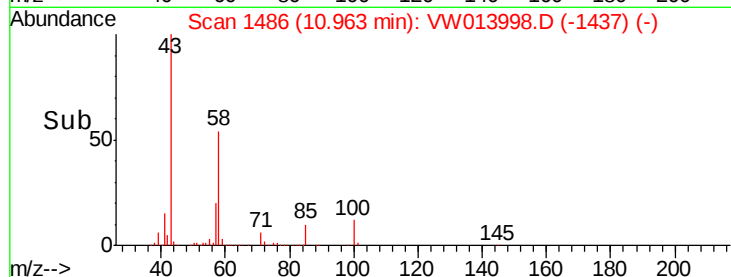
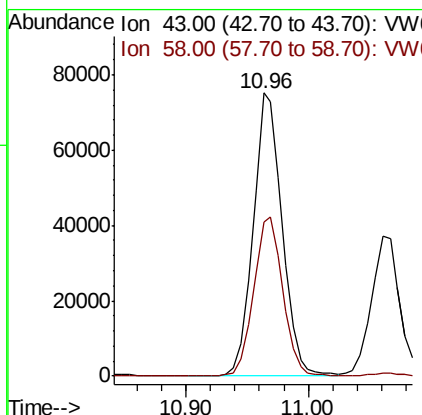
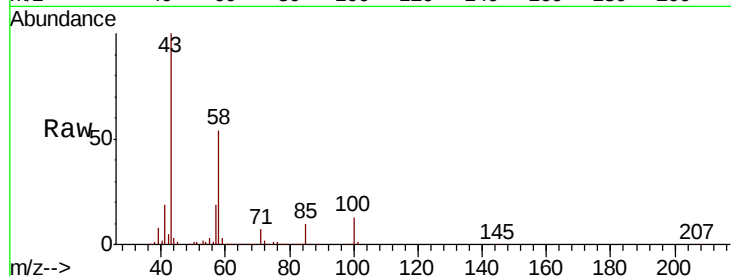




#59
2-Hexanone
Concen: 108.258 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

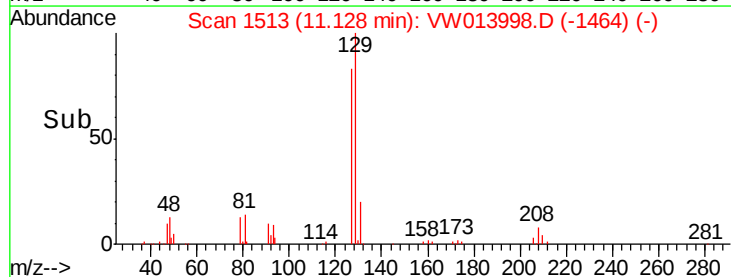
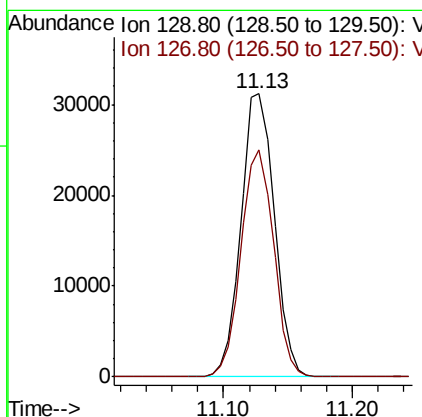
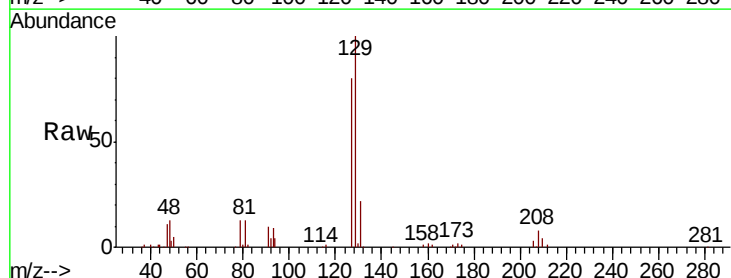
Instrument :
MSVOA_W
ClientSampleId :

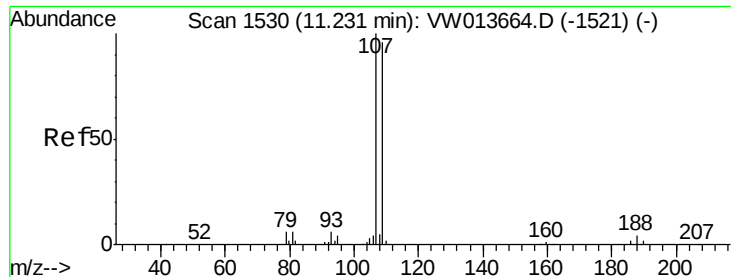
Tot Ion: 43 Resp: 124059
Ion Ratio Lower Upper
43 100
58 56.8 27.9 83.7



#60
Dibromochloromethane
Concen: 21.055 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 129 Resp: 55804
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7

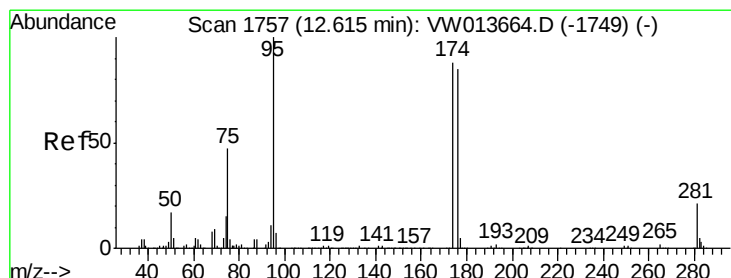
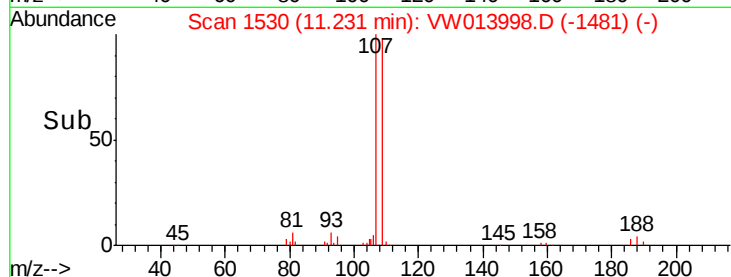
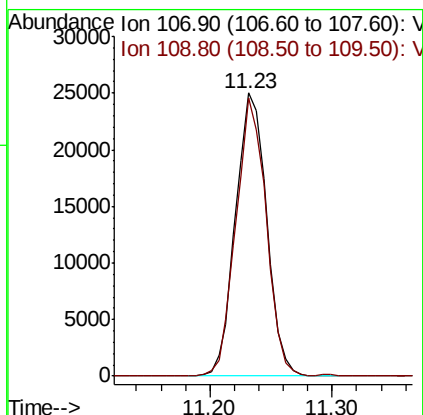
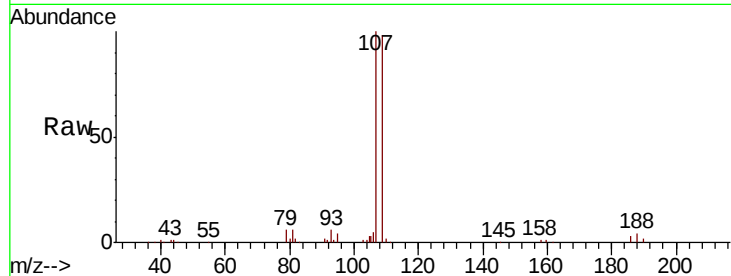




#61
 1,2-Dibromoethane
 Concen: 20.907 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

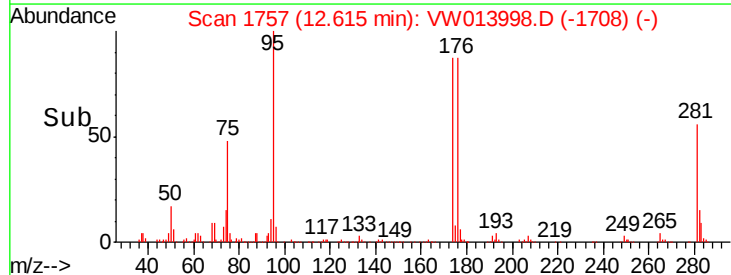
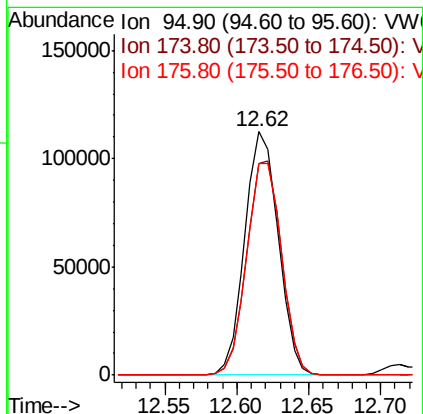
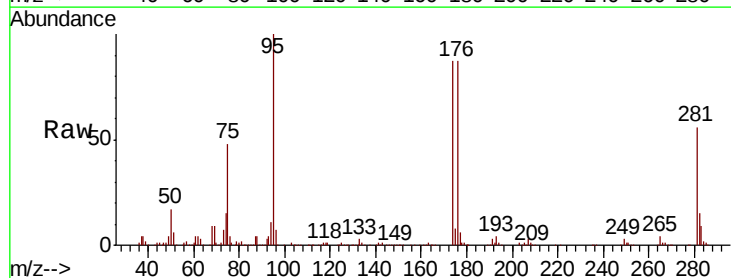
Instrument :
 MSVOA_W
 ClientSampled :

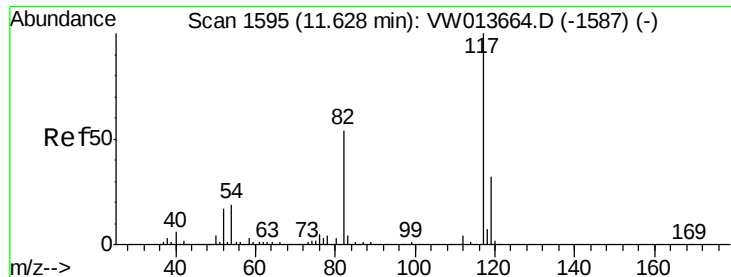
Tot Ion:107 Resp: 44152
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.321 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion: 95 Resp: 181597
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 183.6
 176 90.2 0.0 178.0

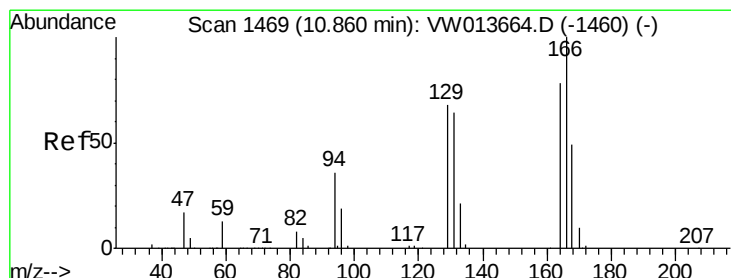
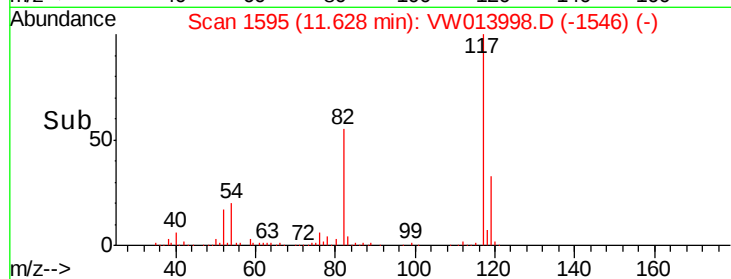
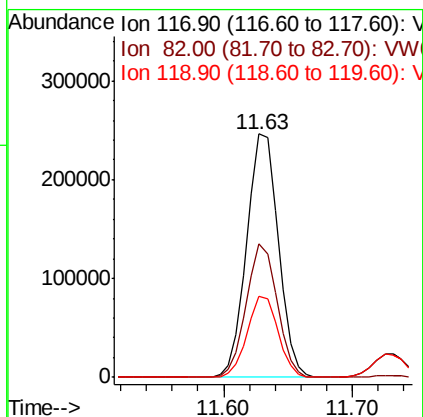
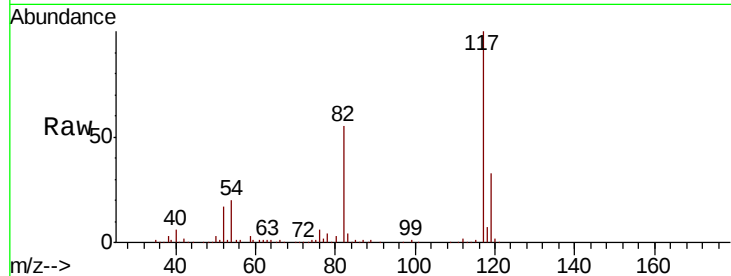




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

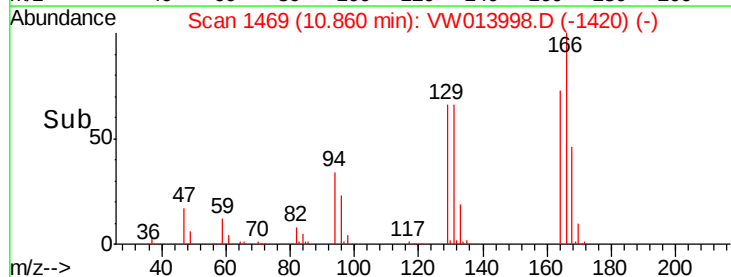
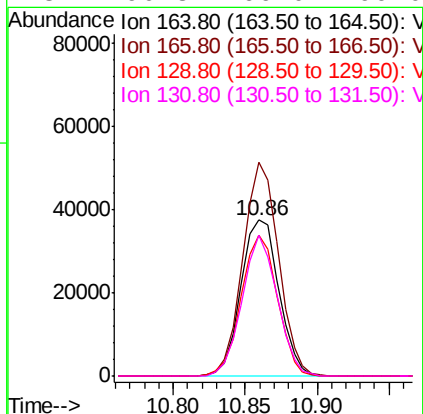
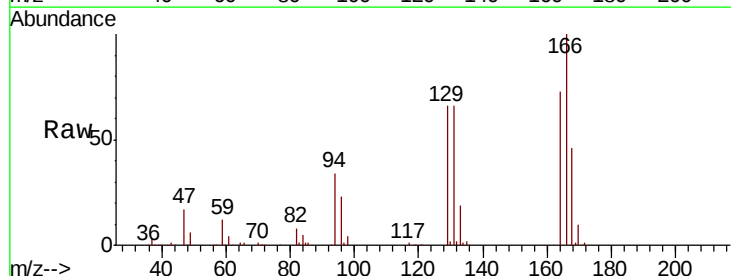
Instrument :
MSVOA_W
ClientSampleId :

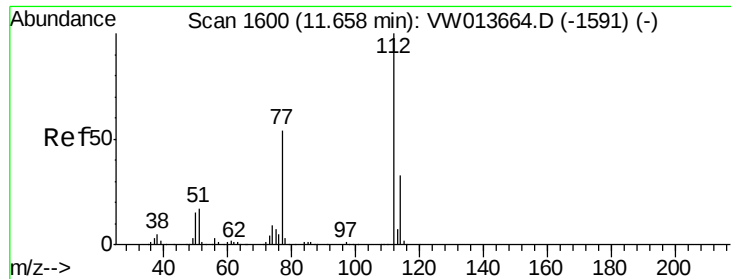
Tot Ion:117 Resp: 418686
Ion Ratio Lower Upper
117 100
82 55.1 43.6 65.4
119 33.4 25.4 38.2



#64
Tetrachloroethene
Concen: 21.314 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion:164 Resp: 68181
Ion Ratio Lower Upper
164 100
166 136.9 103.2 154.8
129 90.6 70.6 105.8
131 90.3 66.0 99.0

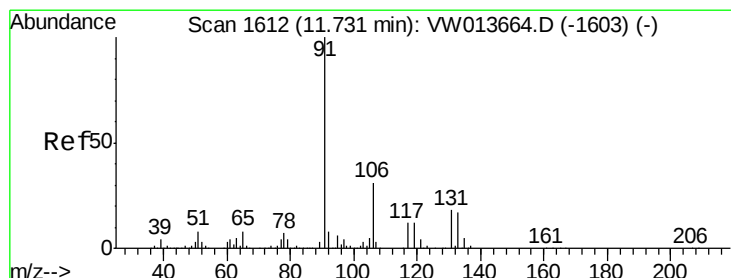
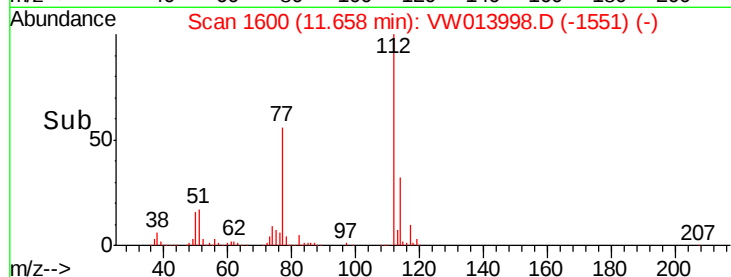
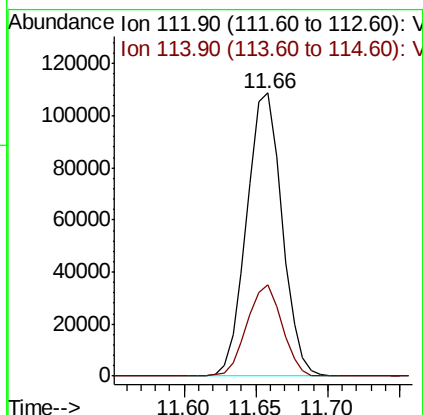
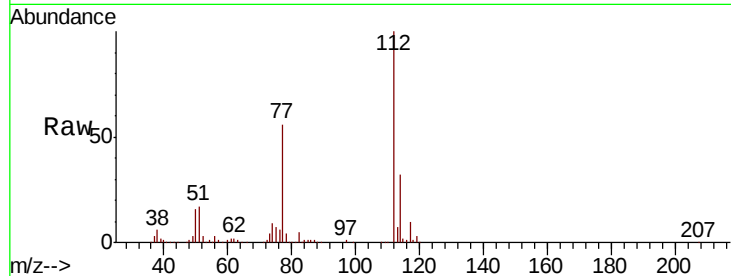




#65
Chlorobenzene
Concen: 21.513 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

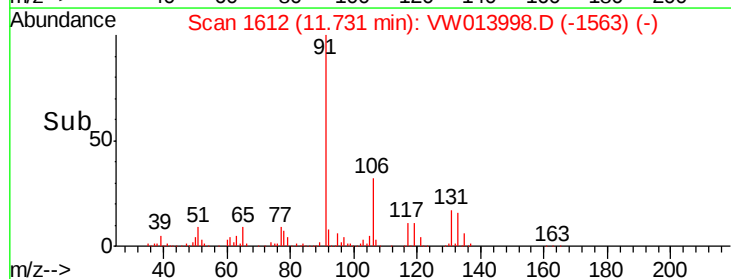
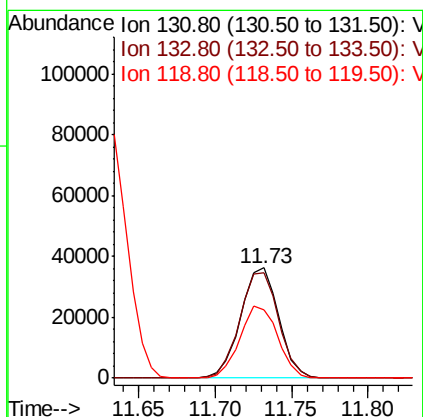
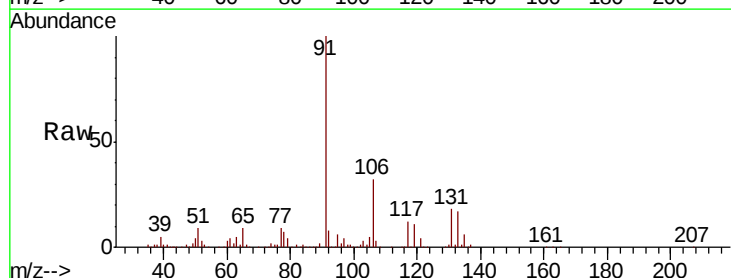
Instrument :
MSVOA_W
ClientSampleId :

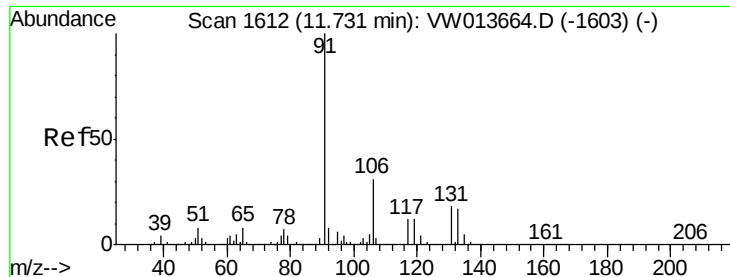
Tot Ion:112 Resp: 185089
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.802 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion:131 Resp: 62461
Ion Ratio Lower Upper
131 100
133 98.3 47.4 142.3
119 65.6 33.1 99.2

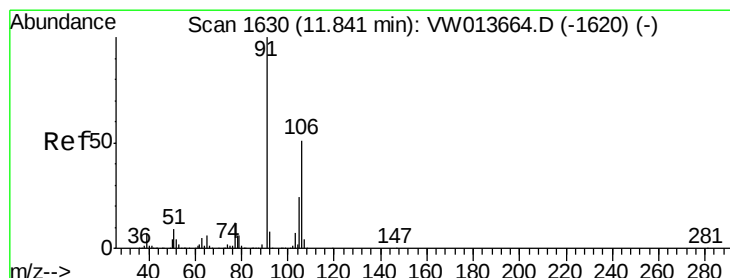
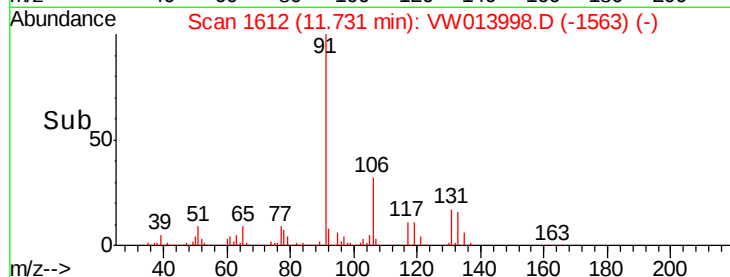
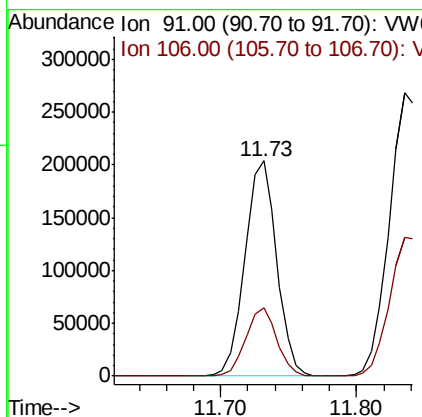
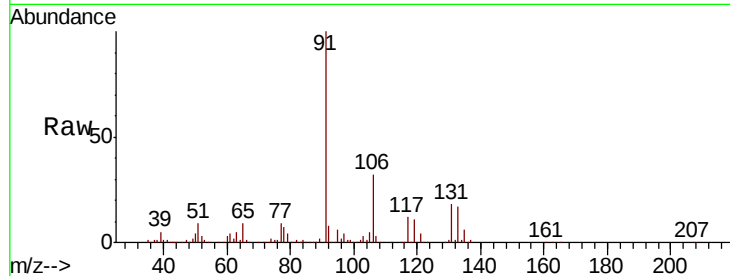




#67
Ethyl Benzene
Concen: 21.461 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

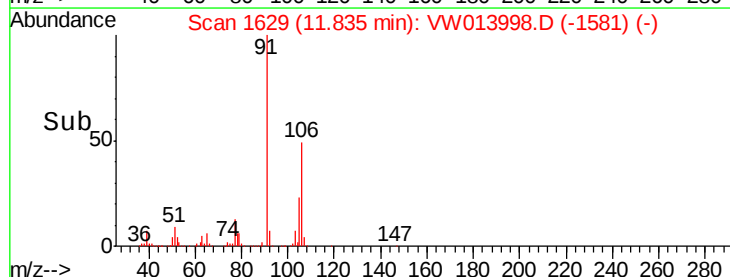
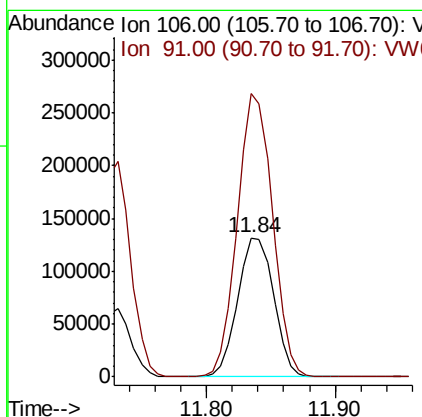
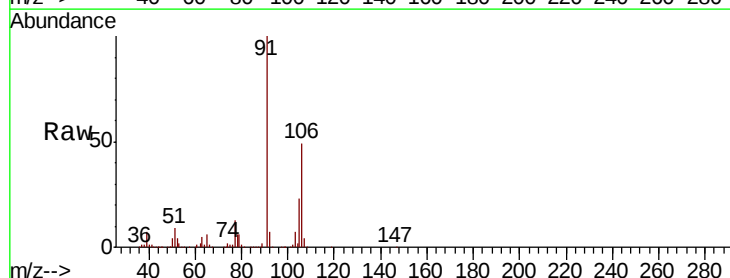
Instrument :
MSVOA_W
ClientSampled :

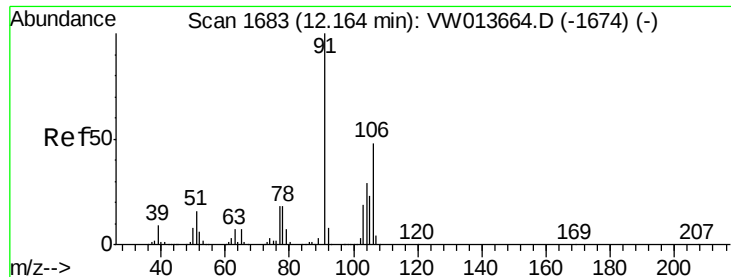
Tot Ion: 91 Resp: 332942
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6



#68
m/p-Xylenes
Concen: 42.661 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 106 Resp: 255701
Ion Ratio Lower Upper
106 100
91 198.8 159.2 238.8

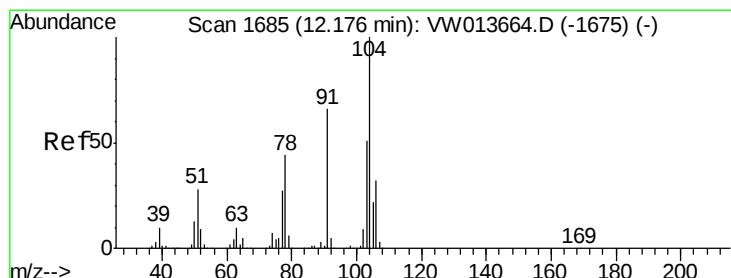
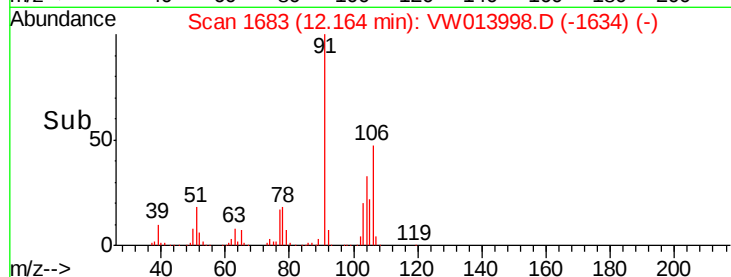
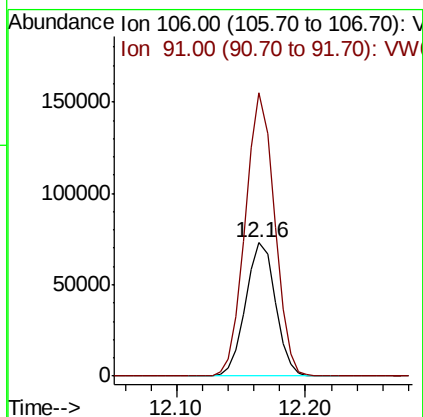
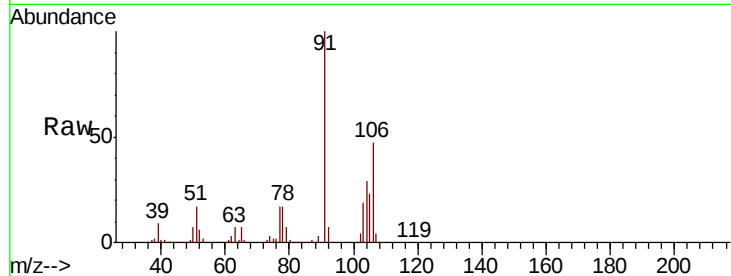




#69
o-Xylene
Concen: 21.210 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

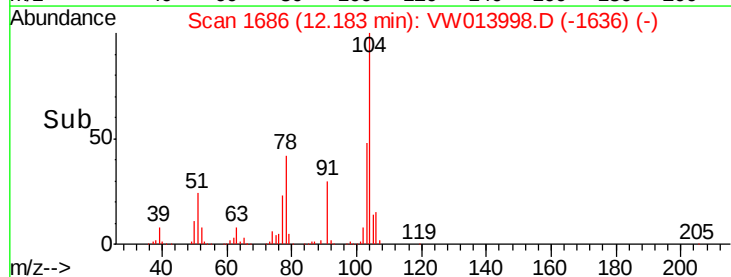
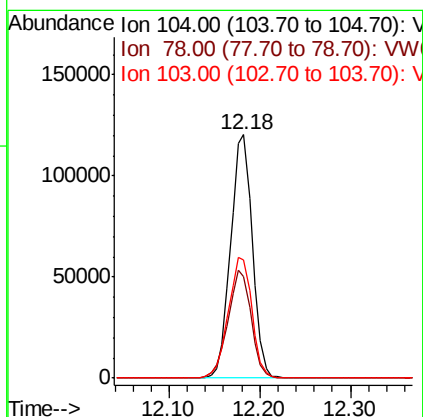
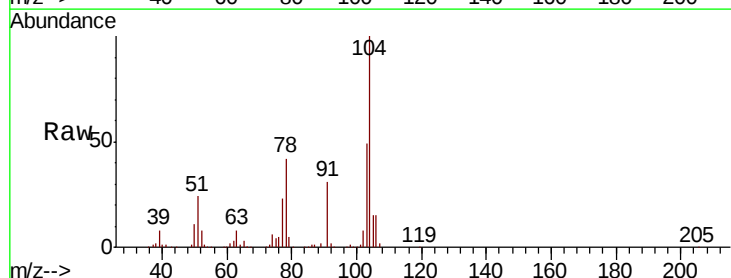
Instrument :
MSVOA_W
ClientSampled :

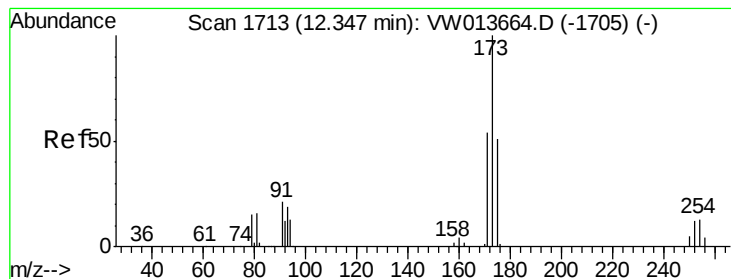
Tot Ion:106 Resp: 116851
Ion Ratio Lower Upper
106 100
91 208.4 104.9 314.7



#70
Styrene
Concen: 21.165 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion:104 Resp: 200348
Ion Ratio Lower Upper
104 100
78 47.0 37.1 55.7
103 53.6 43.6 65.4





#71

Bromoform

Concen: 21.156 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

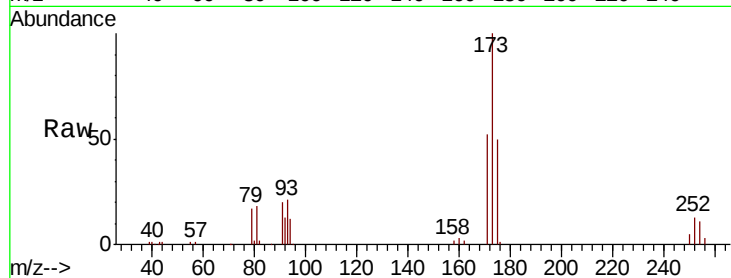
Tot Ion:173 Resp: 33337

Ion Ratio Lower Upper

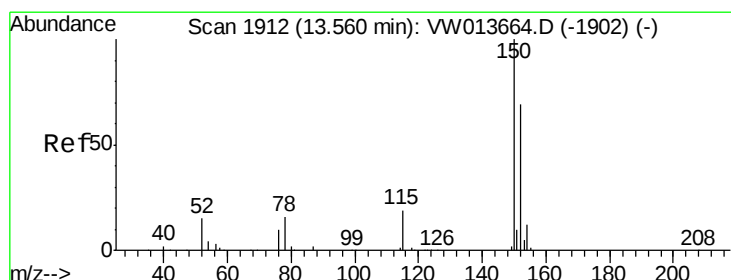
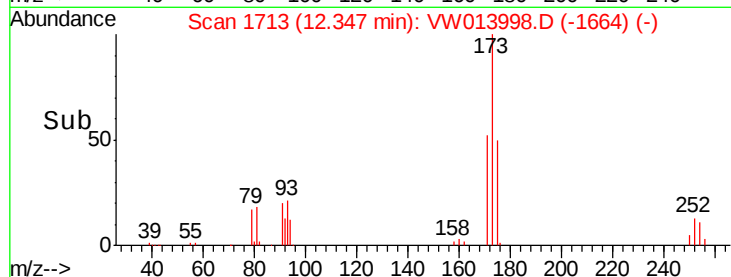
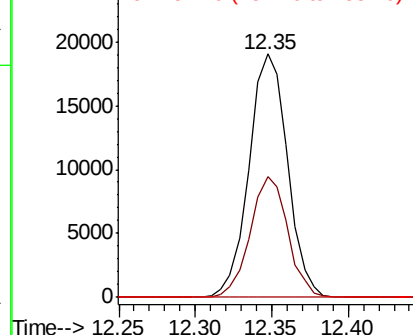
173 100

175 48.4 25.2 75.6

254 0.0 0.1 0.1#



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: VW013998.D

Acq: 13 Nov 2019 11:29

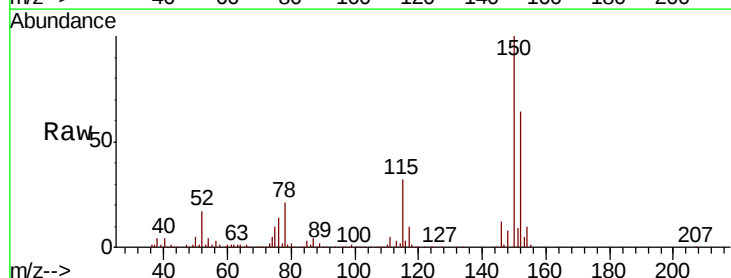
Tgt Ion:152 Resp: 212690

Ion Ratio Lower Upper

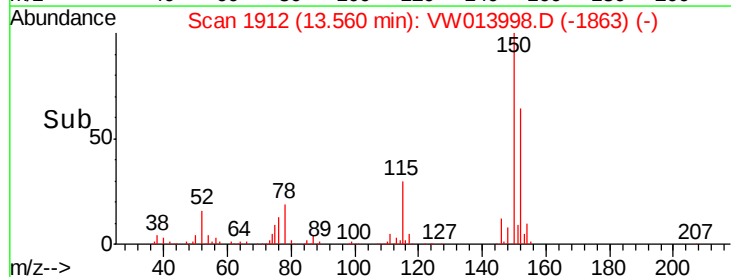
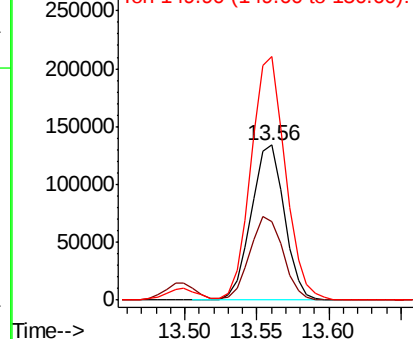
152 100

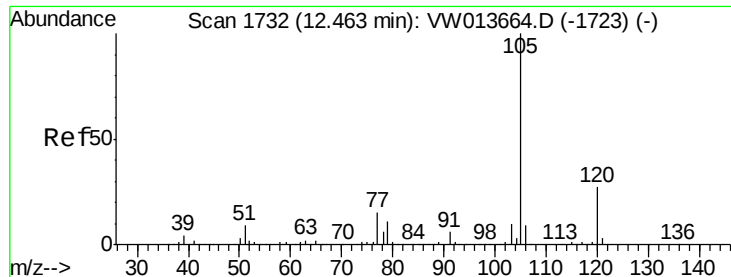
115 53.7 27.4 82.2

150 162.2 0.0 345.4



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: 21.492 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

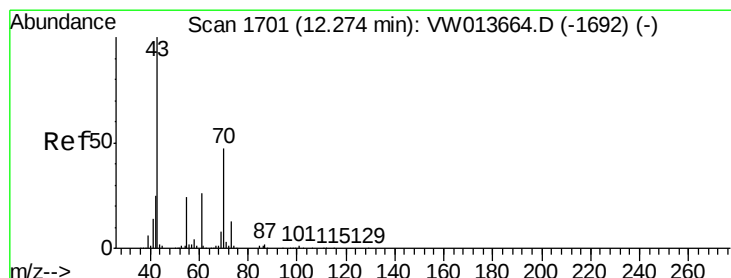
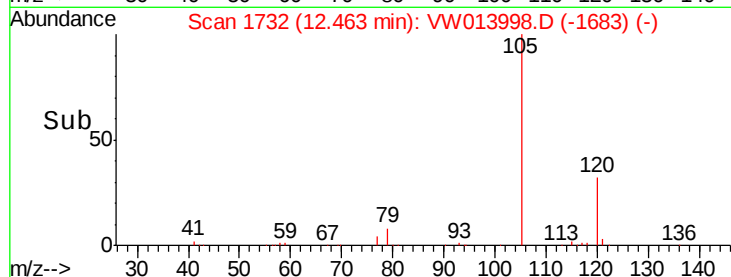
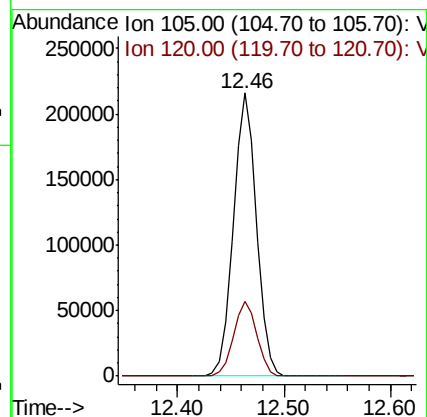
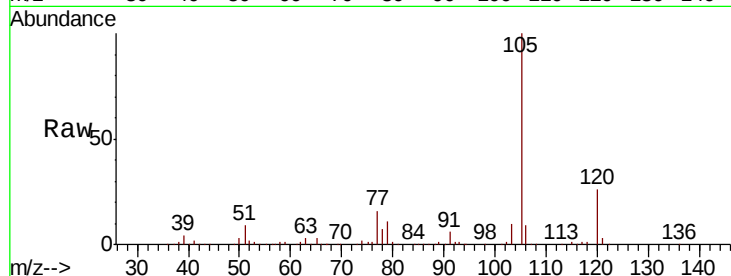
ClientSampleId :

Tot Ion:105 Resp: 328269

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



#74

N-ethyl acetate

Concen: 21.904 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Tgt Ion: 43 Resp: 64719

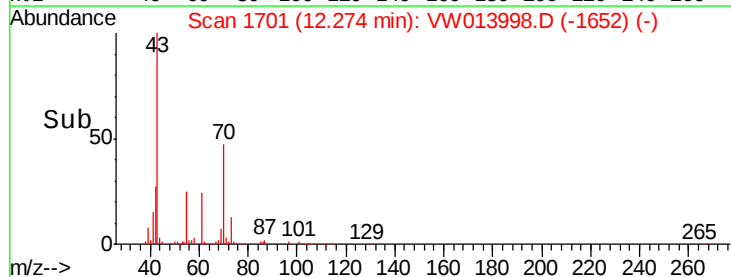
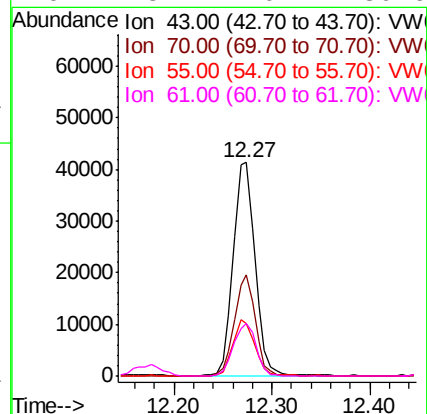
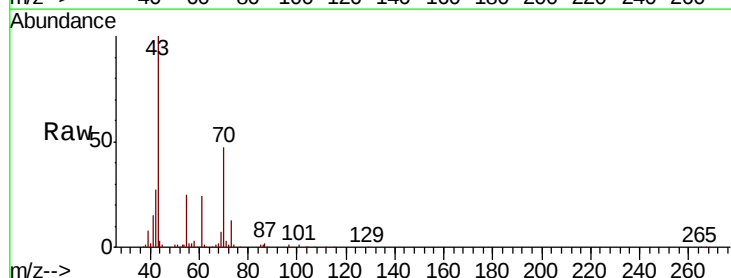
Ion Ratio Lower Upper

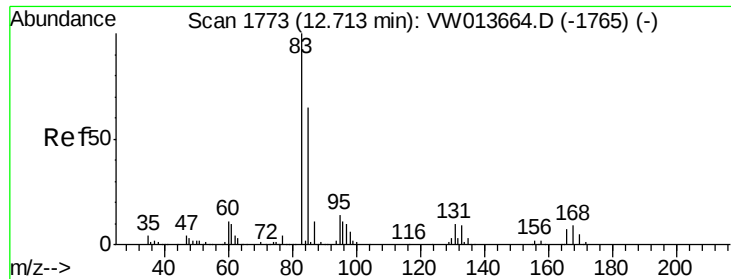
43 100

70 45.6 36.6 55.0

55 26.3 20.3 30.5

61 25.2 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.220 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

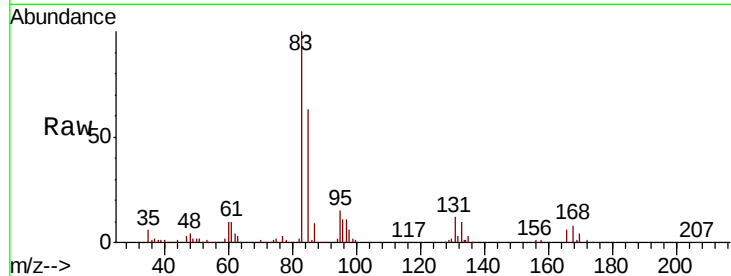
Tot Ion: 83 Resp: 51147

Ion Ratio Lower Upper

83 100

131 11.7 5.7 17.1

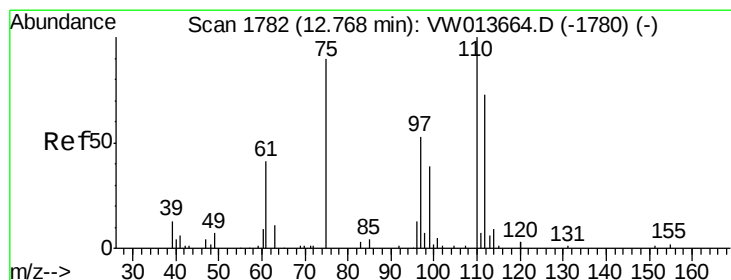
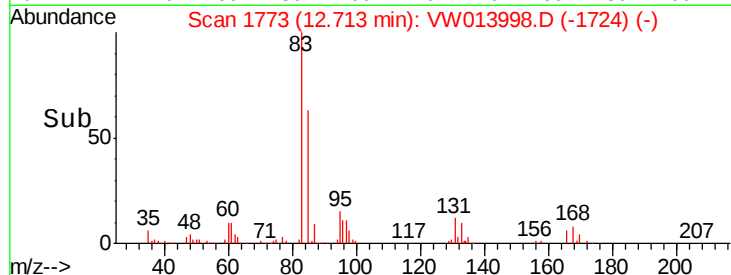
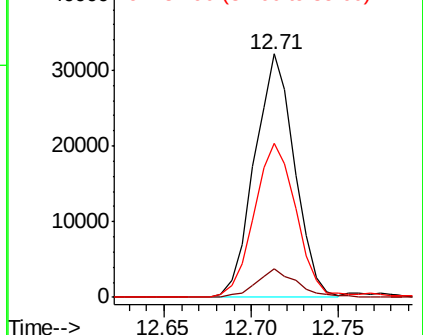
85 66.3 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 43.244 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013998.D

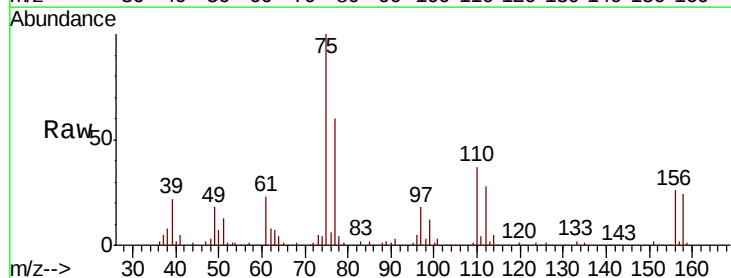
Acq: 13 Nov 2019 11:29

Tgt Ion: 75 Resp: 66051

Ion Ratio Lower Upper

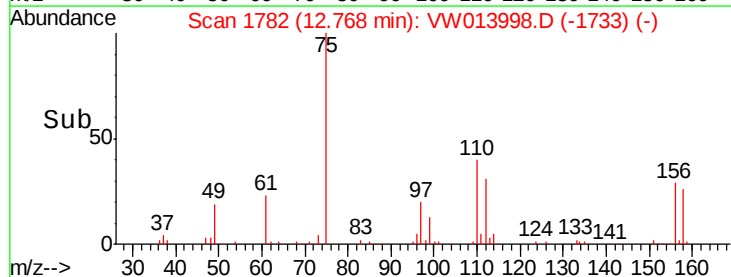
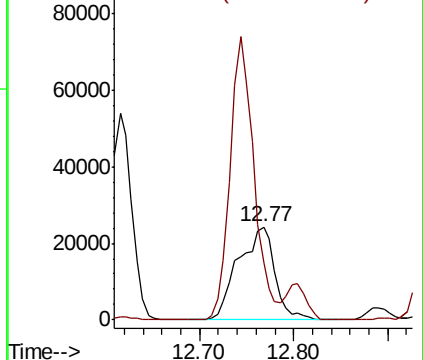
75 100

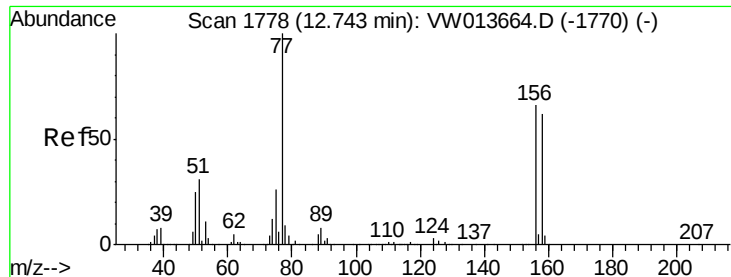
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.233 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

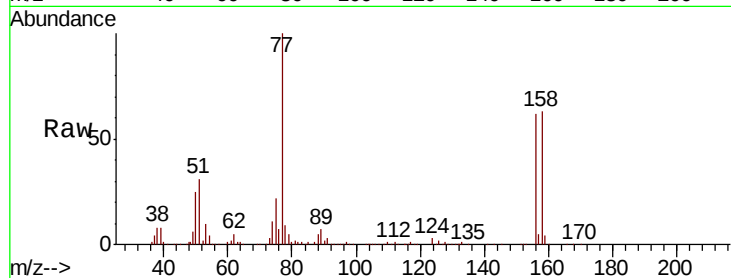
Tot Ion:156 Resp: 77473

Ion Ratio Lower Upper

156 100

77 169.8 82.9 248.7

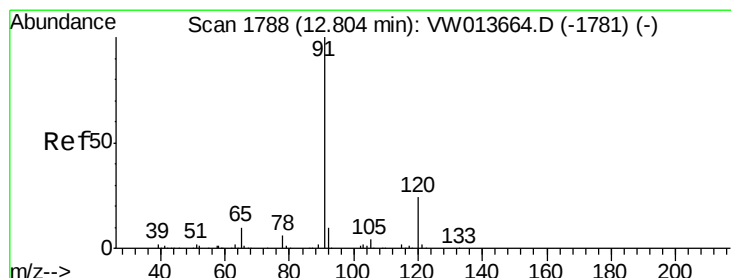
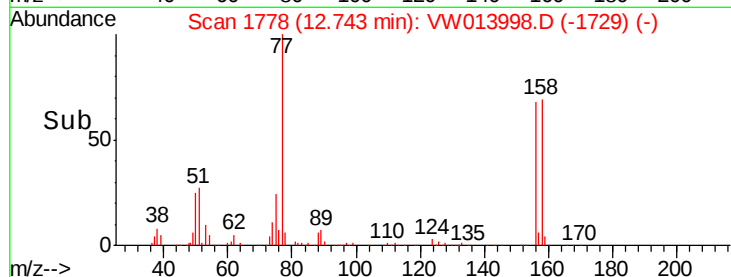
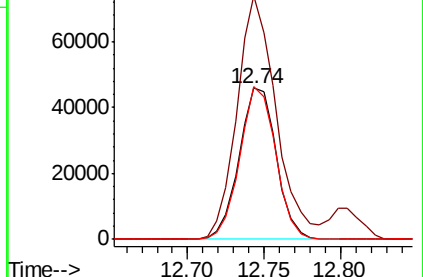
158 97.3 48.4 145.2



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: 21.449 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013998.D

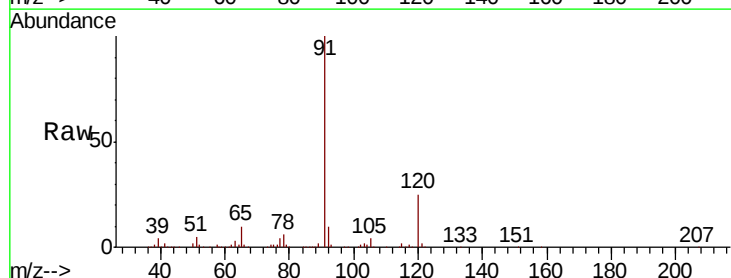
Acq: 13 Nov 2019 11:29

Tgt Ion: 91 Resp: 379192

Ion Ratio Lower Upper

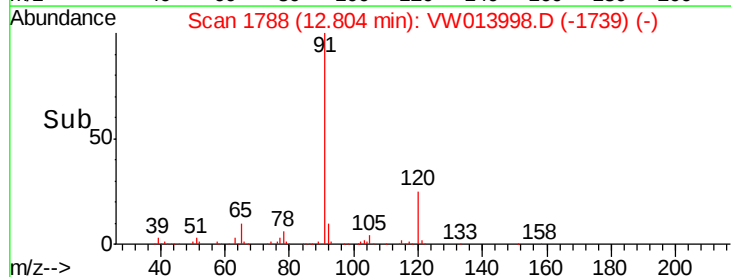
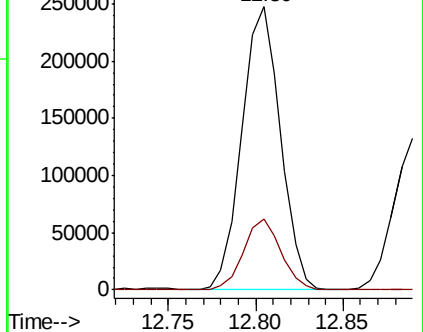
91 100

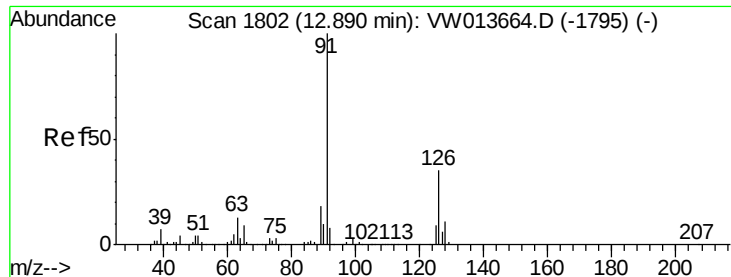
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.147 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

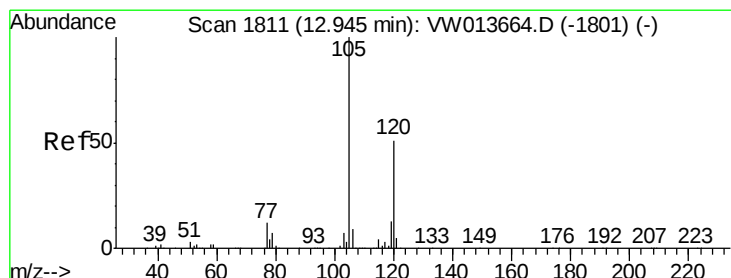
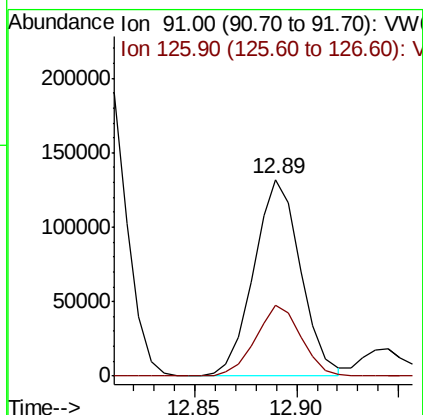
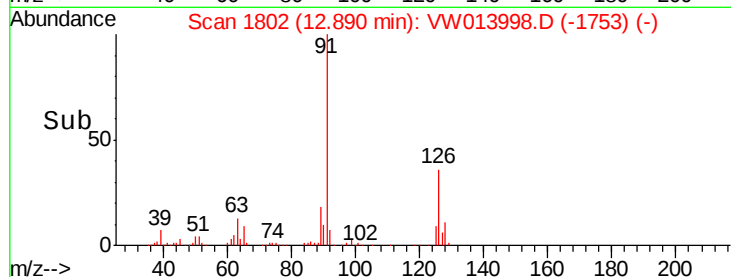
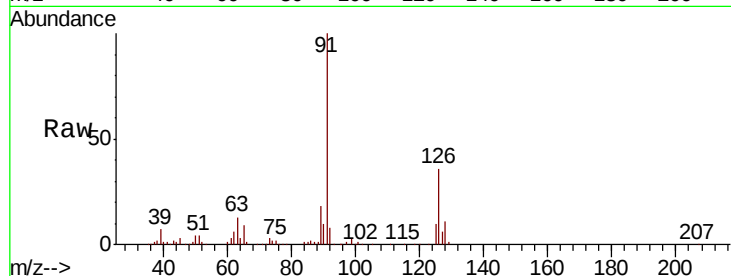
ClientSampled :

Tot Ion: 91 Resp: 210088

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 21.566 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013998.D

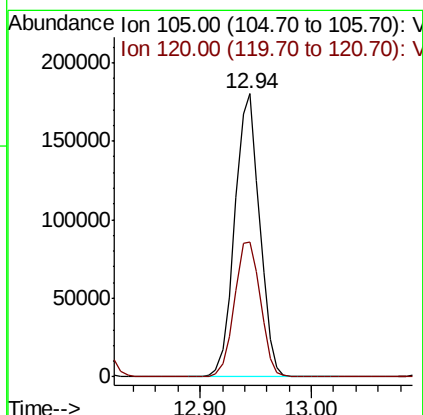
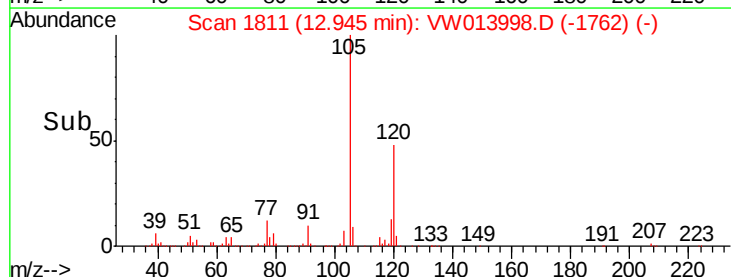
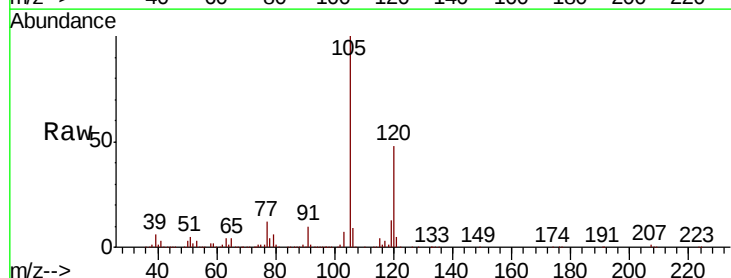
Acq: 13 Nov 2019 11:29

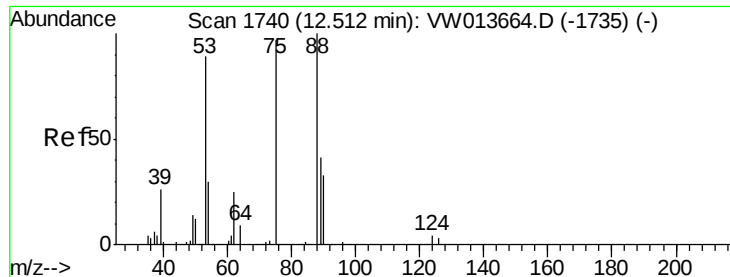
Tgt Ion:105 Resp: 278068

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.253 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampled :

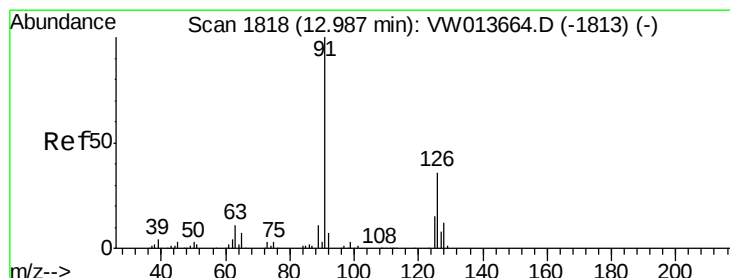
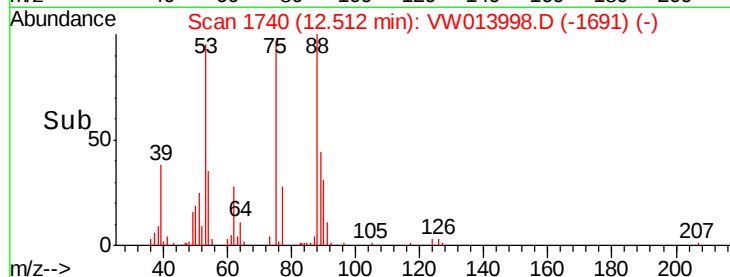
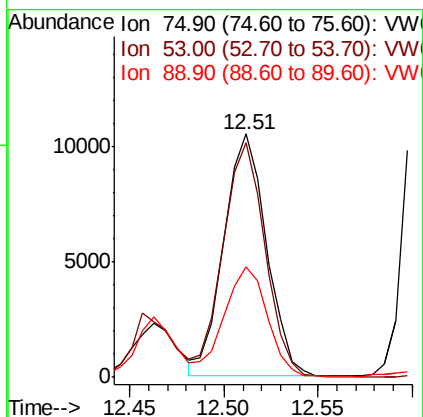
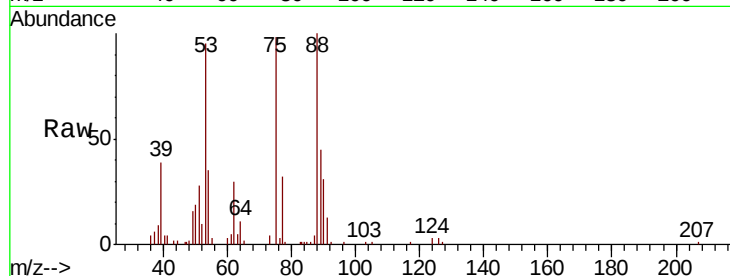
Tot Ion: 75 Resp: 16369

Ion Ratio Lower Upper

75 100

53 97.1 71.7 107.5

89 47.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 21.193 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013998.D

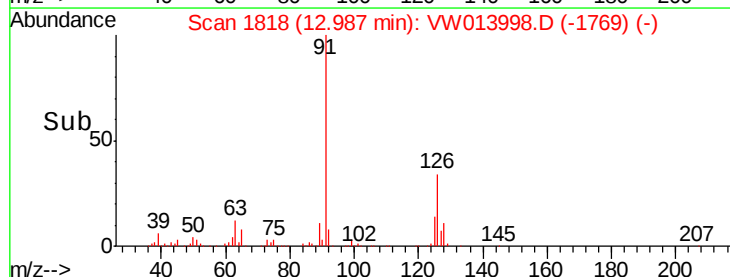
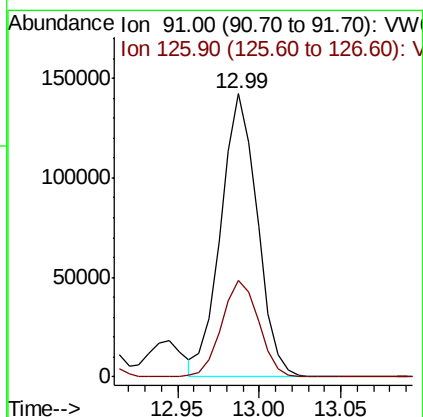
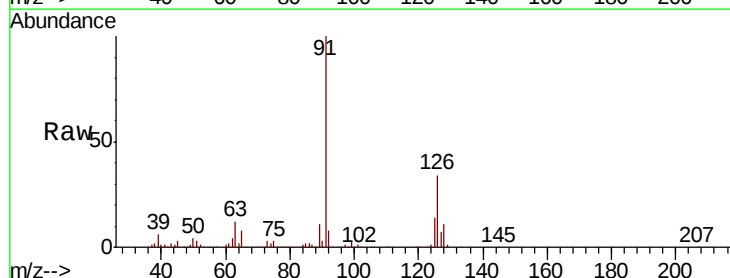
Acq: 13 Nov 2019 11:29

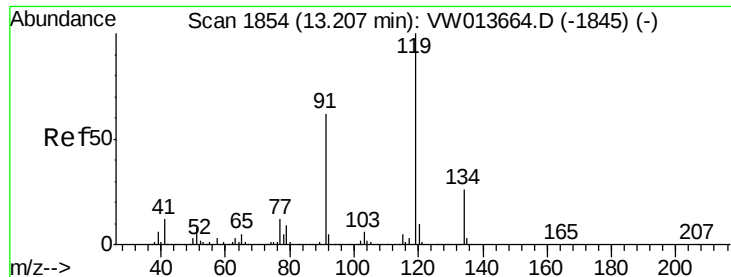
Tgt Ion: 91 Resp: 221038

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.5

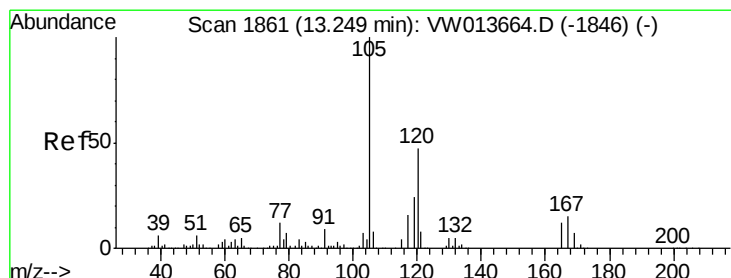
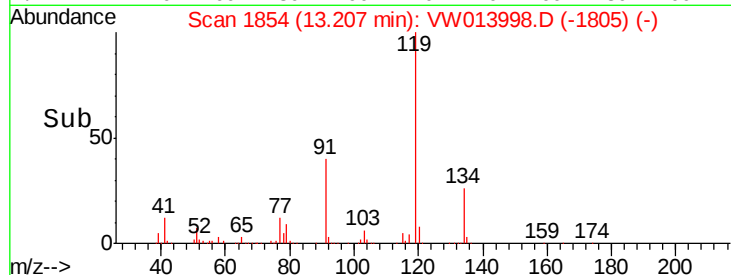
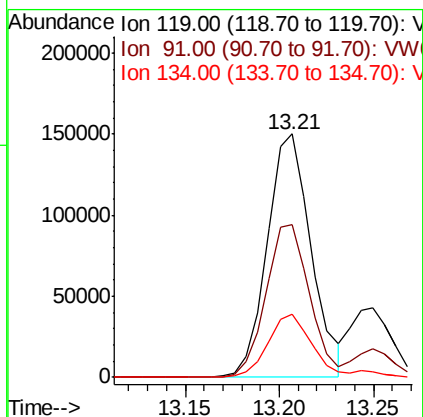
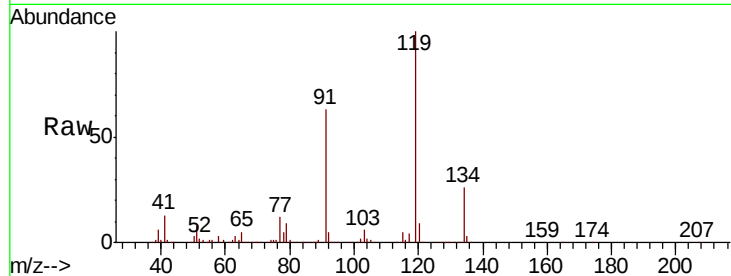




#83
tert-Butylbenzene
Concen: 21.192 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

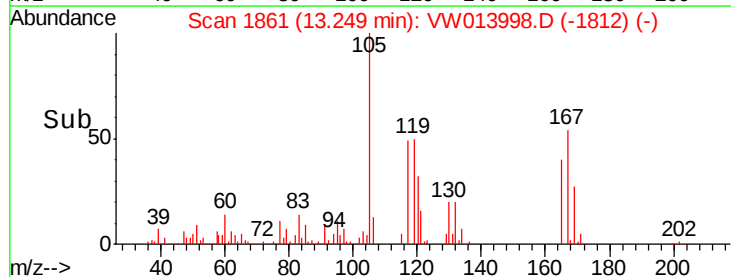
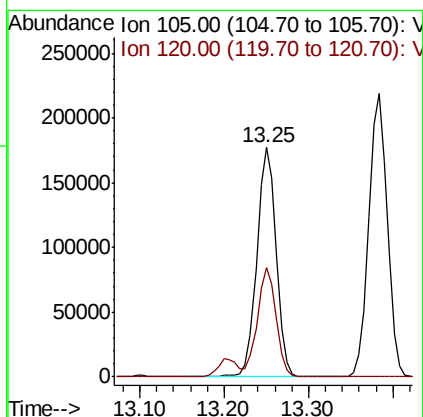
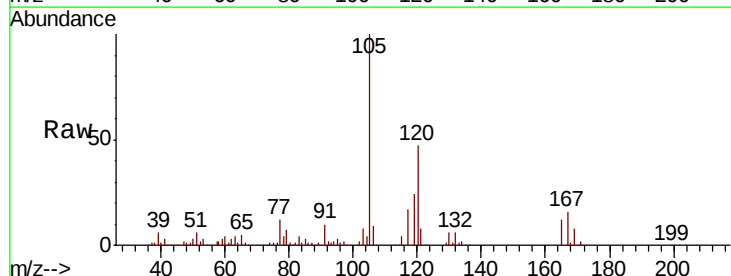
Instrument :
MSVOA_W
ClientSampled :

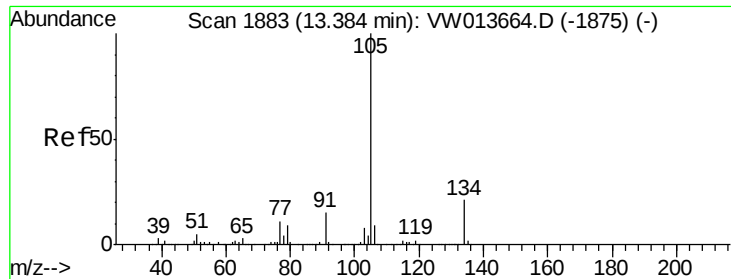
Tot Ion:119 Resp: 242548
Ion Ratio Lower Upper
119 100
91 62.3 30.4 91.3
134 25.9 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.720 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion:105 Resp: 276260
Ion Ratio Lower Upper
105 100
120 45.7 23.5 70.5





#85

sec-Butylbenzene

Concen: 21.388 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

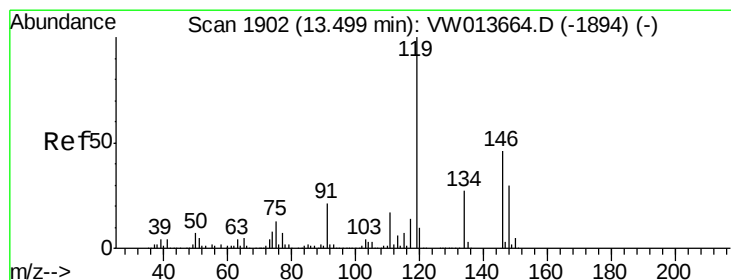
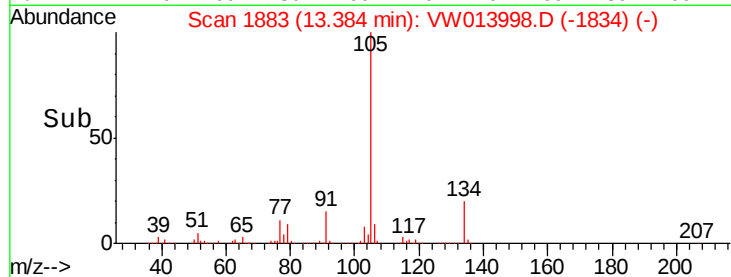
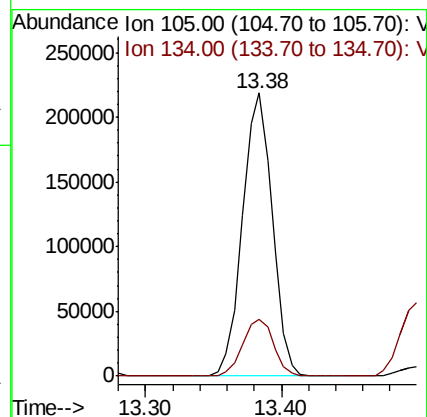
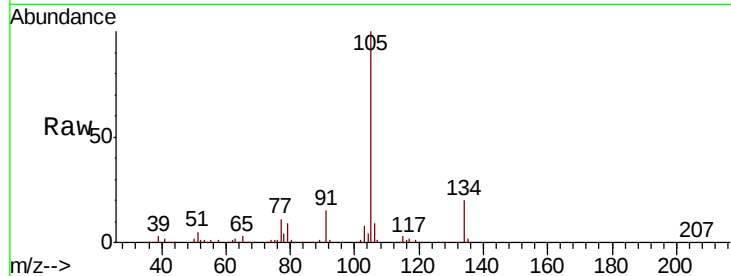
ClientSampleId :

Tot Ion:105 Resp: 334738

Ion Ratio Lower Upper

105 100

134 20.7 10.5 31.5



#86

p-Isopropyltoluene

Concen: 21.455 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

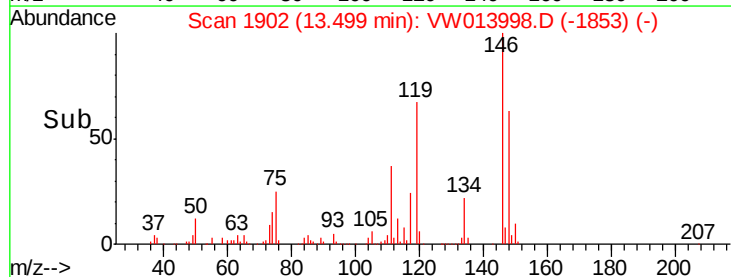
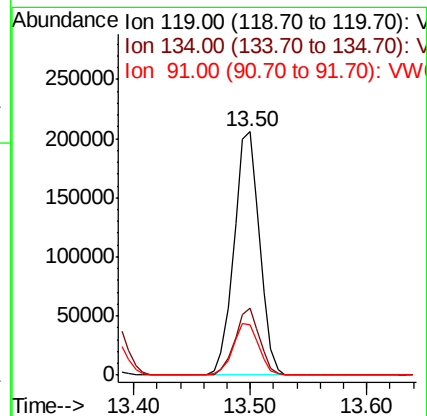
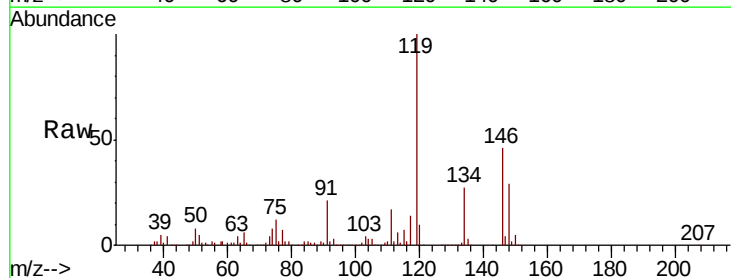
Tgt Ion:119 Resp: 312786

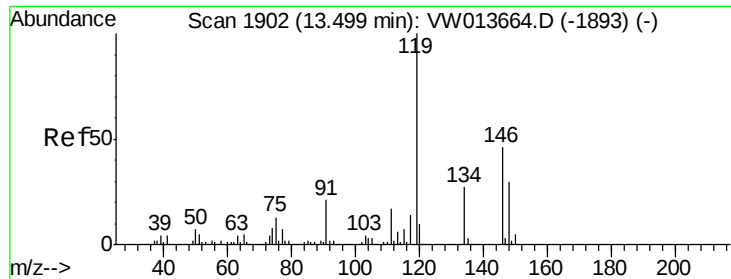
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 21.6 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 21.306 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

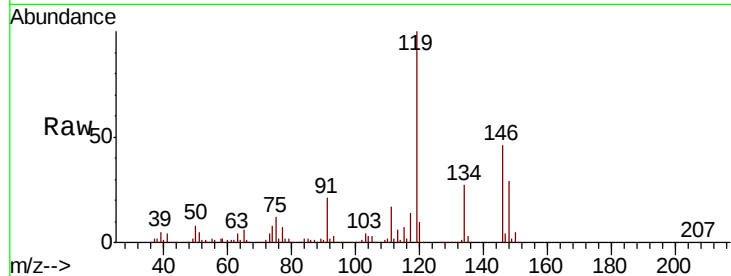
Tot Ion:146 Resp: 150620

Ion Ratio Lower Upper

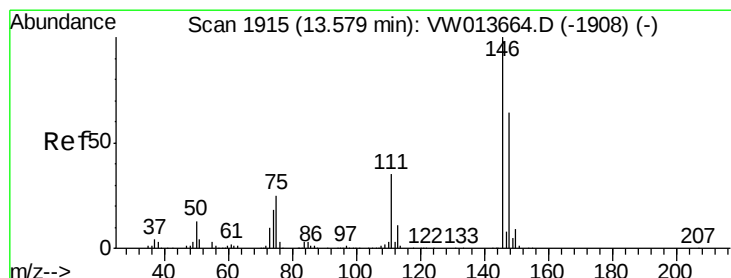
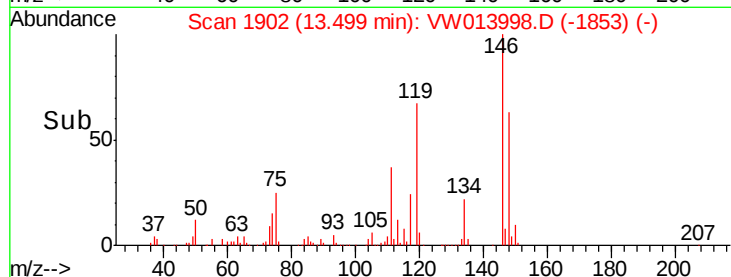
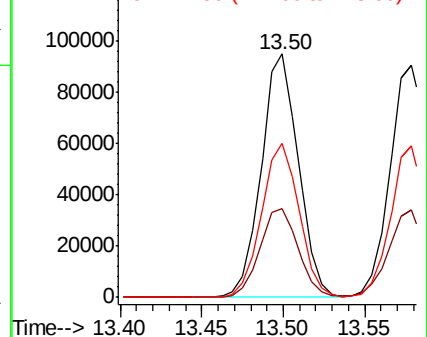
146 100

111 37.6 18.6 56.0

148 63.8 31.7 95.1



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: 21.246 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

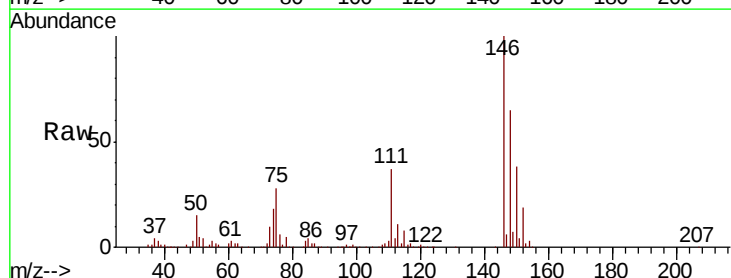
Tgt Ion:146 Resp: 149215

Ion Ratio Lower Upper

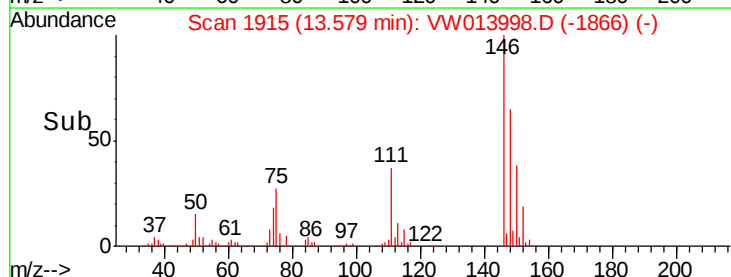
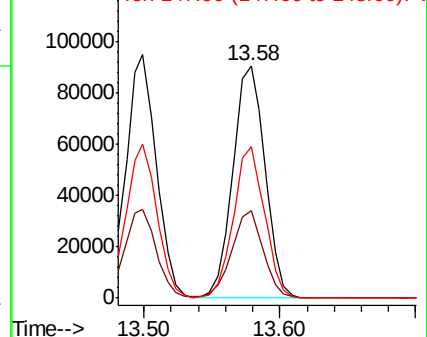
146 100

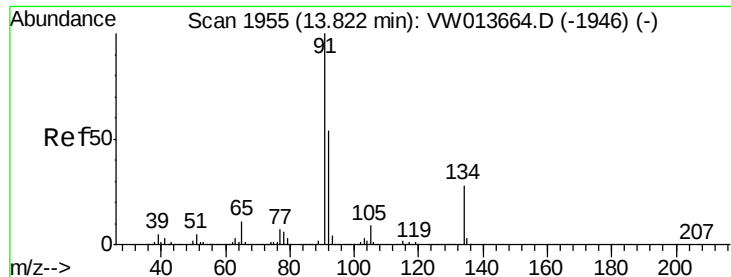
111 37.0 18.1 54.3

148 63.0 32.0 96.2



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: 20.963 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampled :

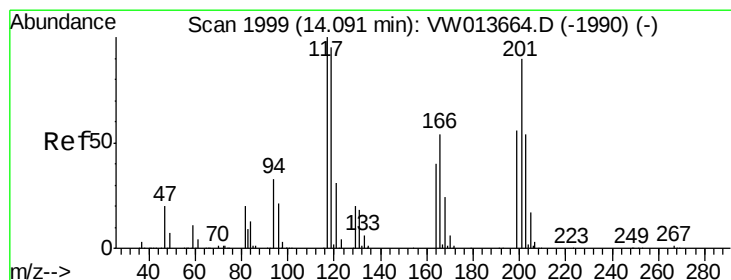
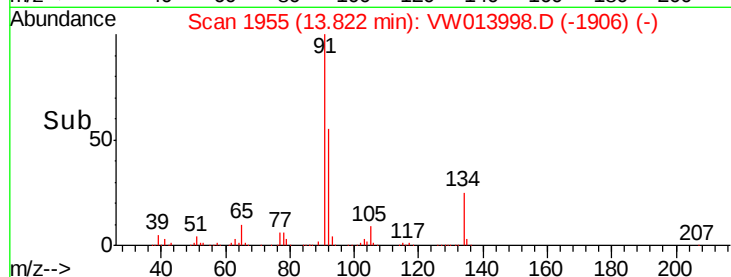
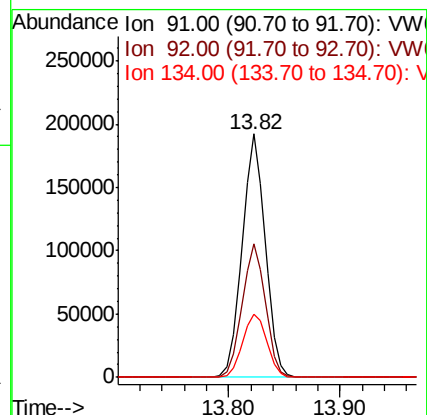
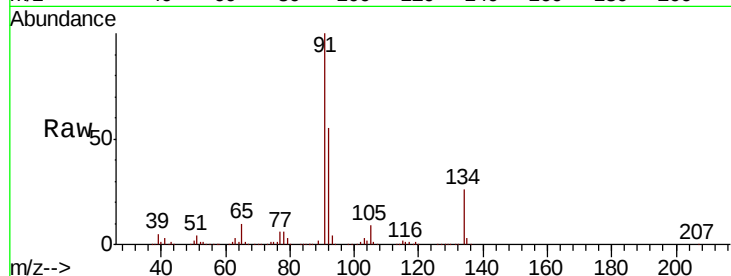
Tot Ion: 91 Resp: 275856

Ion Ratio Lower Upper

91 100

92 55.0 27.5 82.4

134 27.4 14.0 41.9



#90

Hexachloroethane

Concen: 20.775 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013998.D

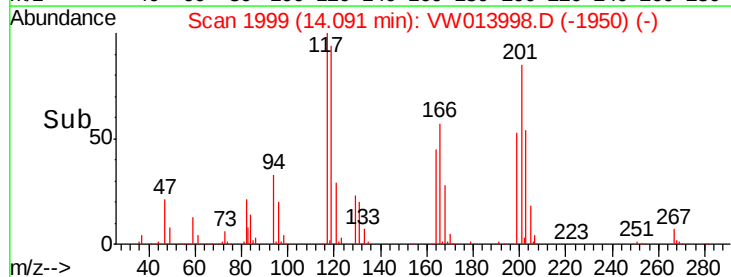
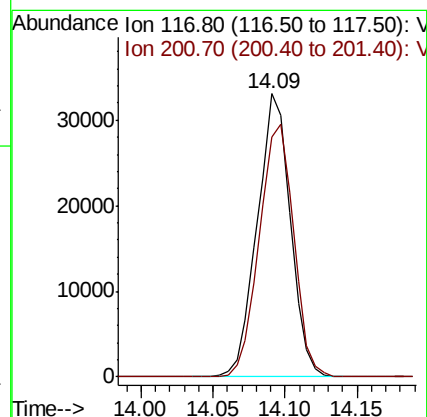
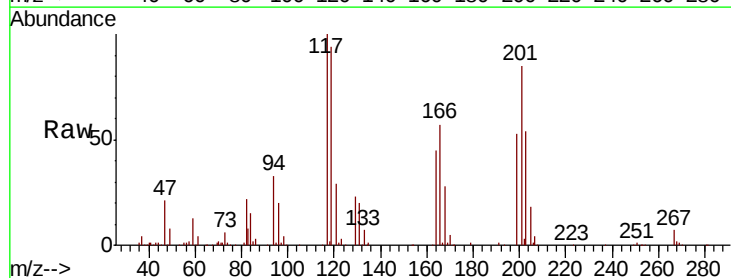
Acq: 13 Nov 2019 11:29

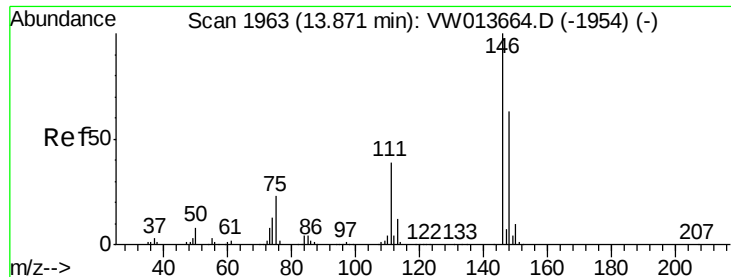
Tgt Ion: 117 Resp: 52645

Ion Ratio Lower Upper

117 100

201 92.2 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 21.370 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

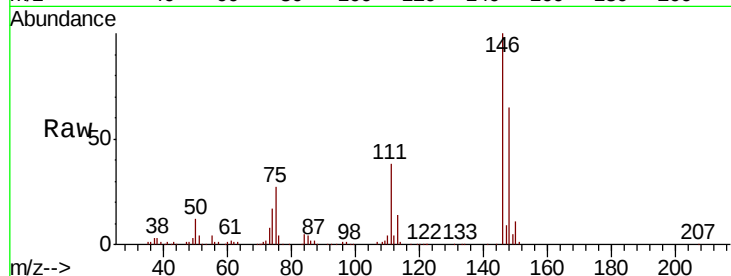
Tot Ion:146 Resp: 130994

Ion Ratio Lower Upper

146 100

111 38.4 19.9 59.6

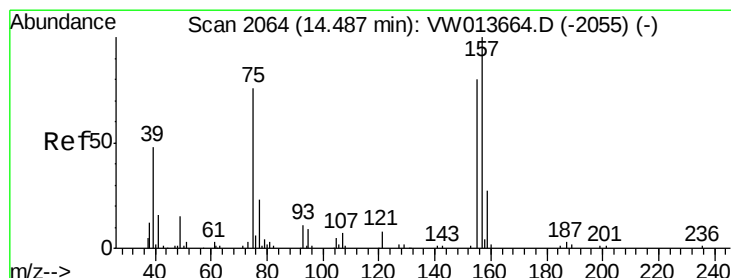
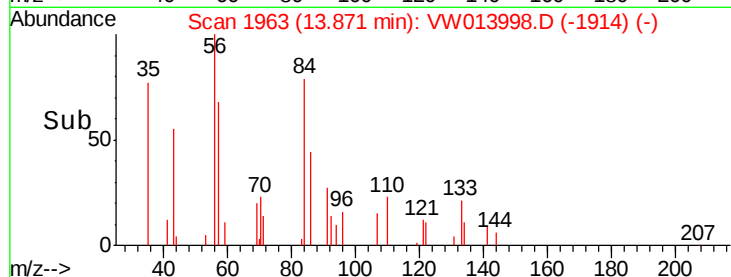
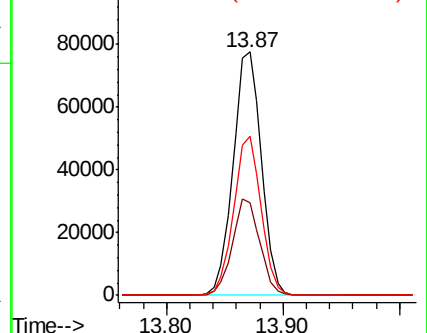
148 63.3 31.9 95.9



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: 21.412 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

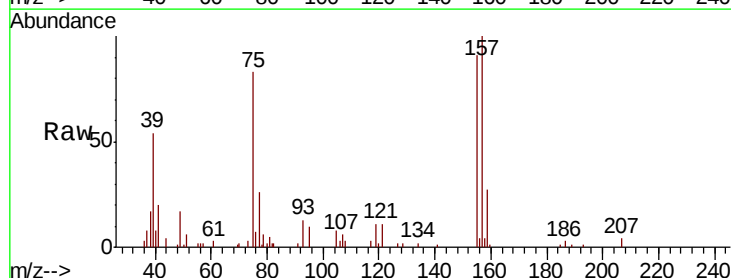
Tgt Ion: 75 Resp: 7804

Ion Ratio Lower Upper

75 100

155 104.0 51.9 155.7

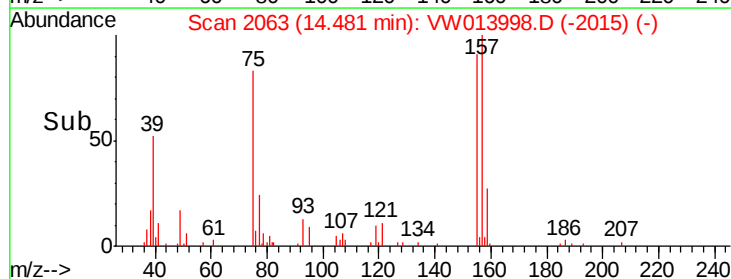
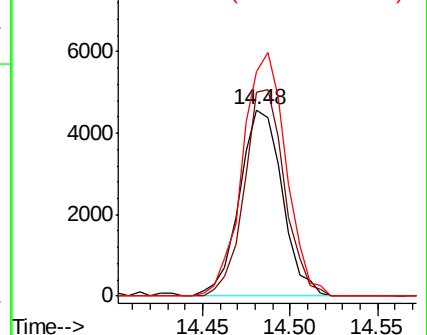
157 132.6 64.8 194.3

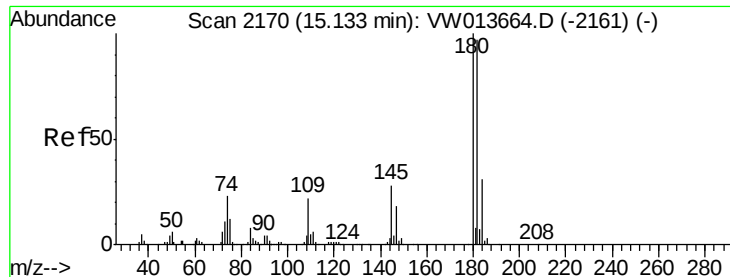


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

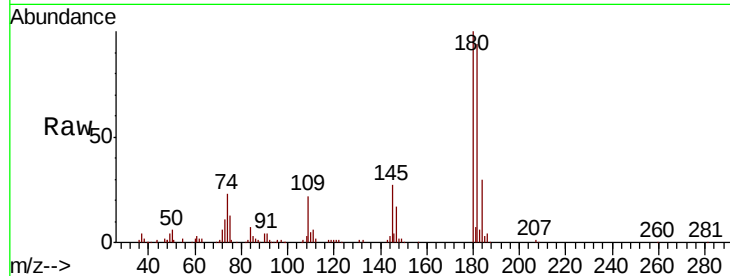




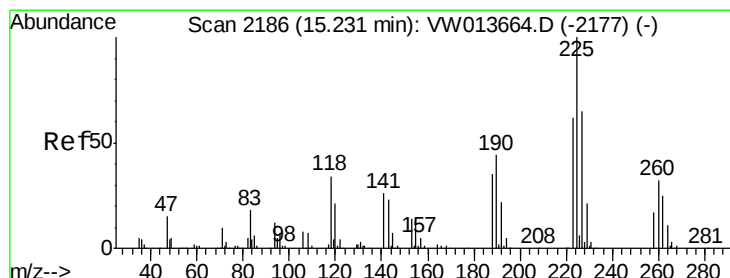
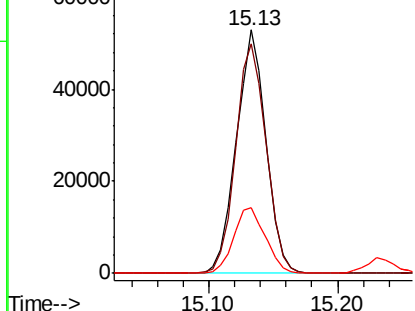
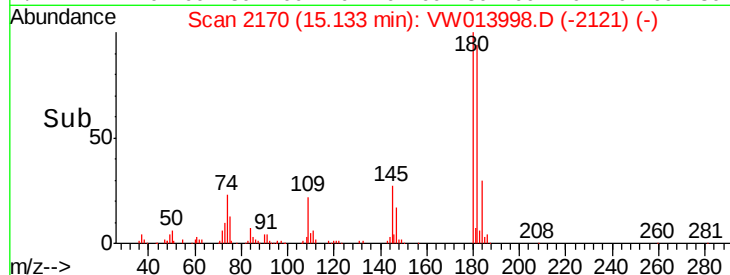
#93
 1,2,4-Trichlorobenzene
 Concen: 18.854 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 84106
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.4 142.2
 145 28.9 14.1 42.3

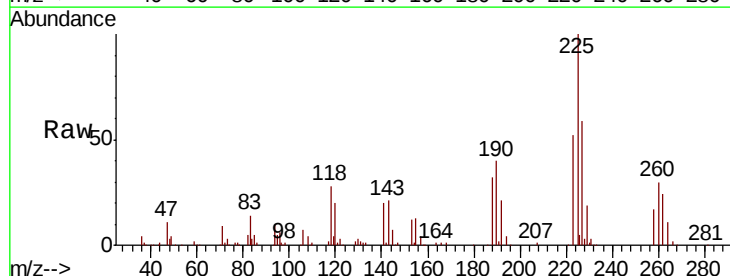


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

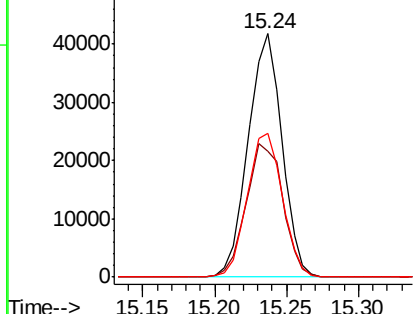
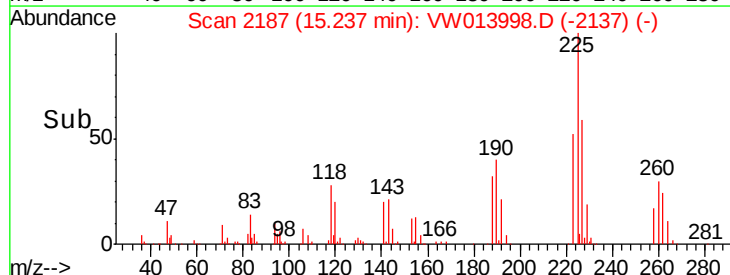


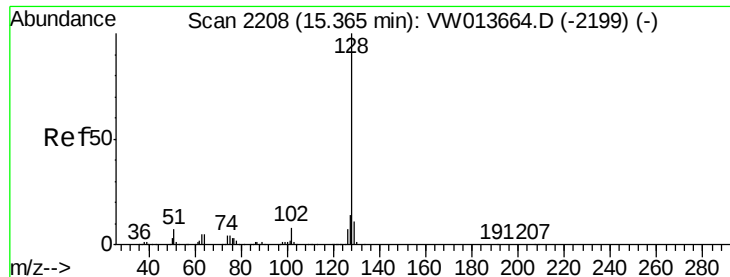
#94
 Hexachlorobutadiene
 Concen: 22.488 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion:225 Resp: 67724
 Ion Ratio Lower Upper
 225 100
 223 59.6 31.9 95.9
 227 61.3 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.083 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

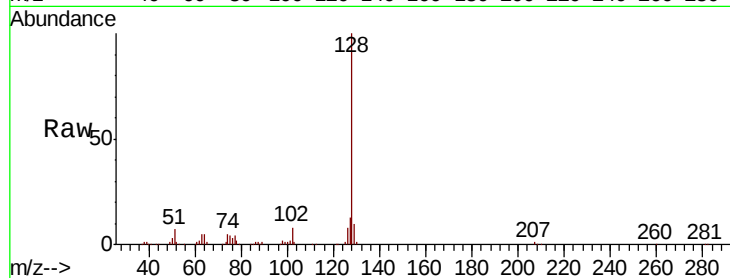
Tot Ion:128 Resp: 126480

Ion Ratio Lower Upper

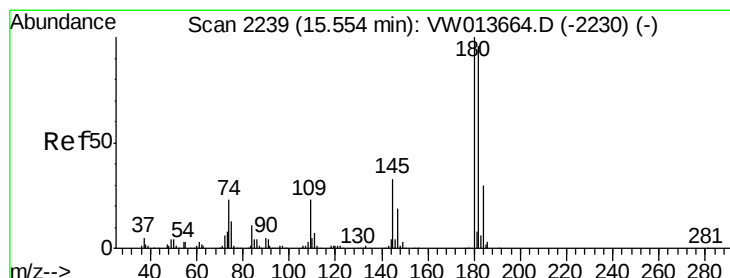
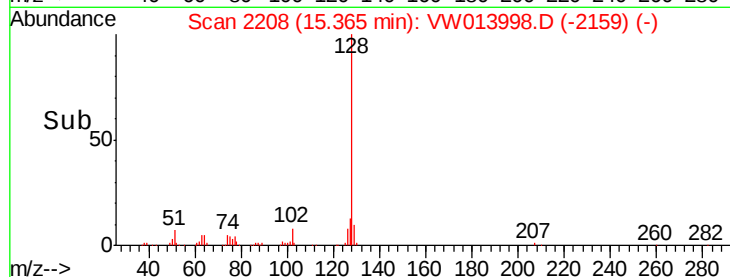
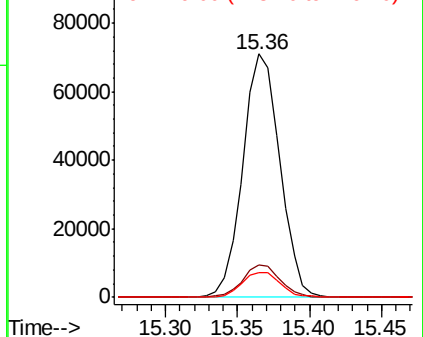
128 100

127 13.5 10.6 15.8

129 10.6 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: 18.708 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

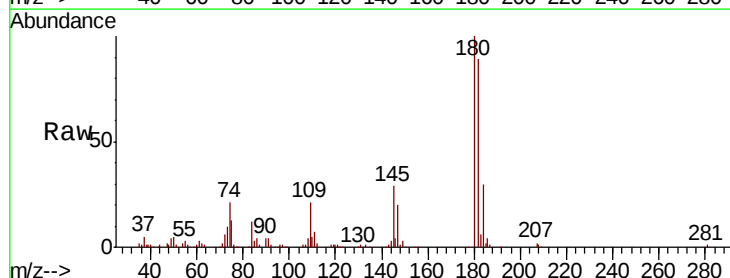
Tgt Ion:180 Resp: 71912

Ion Ratio Lower Upper

180 100

182 98.1 47.4 142.3

145 30.0 14.9 44.9



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

