

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012390.D
 Acq On : 31 Aug 2019 10:51
 Operator : SY/VA
 Sample : VW0831SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:15:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	331634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	291890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144228	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	128090	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	7.88	113	100017	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.32	98	411337	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.62	95	146045	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	24789	19.128	ug/l	96
3) Chloromethane	2.21	50	40287	20.065	ug/l	96
4) Vinyl Chloride	2.36	62	47229	19.219	ug/l	95
5) Bromomethane	2.71	94	20735	16.661	ug/l	95
6) Chloroethane	2.87	64	24670	17.796	ug/l	95
7) Trichlorofluoromethane	3.23	101	26489	21.467	ug/l	98
8) Diethyl Ether	3.67	74	21171	18.075	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	42716	20.366	ug/l	100
10) Methyl Iodide	4.26	142	54408	19.172	ug/l	99
11) Tert butyl alcohol	5.17	59	15396	102.254	ug/l	96
12) 1,1-Dichloroethene	4.03	96	39785	18.846	ug/l	99
13) Acrolein	3.89	56	12001	84.674	ug/l	98
14) Allyl chloride	4.65	41	84527	18.729	ug/l	98
15) Acrylonitrile	5.37	53	55318	95.286	ug/l	99
16) Acetone	4.11	43	54750	85.607	ug/l	100
17) Carbon Disulfide	4.37	76	96758	15.165	ug/l	98
18) Methyl Acetate	4.66	43	33250	20.990	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	71146	20.840	ug/l	99
20) Methylene Chloride	4.90	84	47928	19.823	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	42100	18.597	ug/l	99
22) Diisopropyl ether	6.30	45	170051	20.327	ug/l	98
23) Vinyl Acetate	6.24	43	474805	92.224	ug/l	99
24) 1,1-Dichloroethane	6.21	63	89885	19.733	ug/l	99
25) 2-Butanone	7.17	43	77119	88.736	ug/l	99
26) 2,2-Dichloropropane	7.16	77	53415	20.718	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	47587	19.675	ug/l	99
28) Bromochloromethane	7.51	49	42901	21.610	ug/l	97
29) Tetrahydrofuran	7.52	42	49032	94.037	ug/l	98
30) Chloroform	7.67	83	86531	20.764	ug/l	99
31) Cyclohexane	7.95	56	82012	18.198	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	69493	21.080	ug/l	98
36) 1,1-Dichloropropene	8.08	75	68182	19.895	ug/l	99
37) Ethyl Acetate	7.24	43	36240	19.297	ug/l	98
38) Carbon Tetrachloride	8.07	117	61199	20.632	ug/l	96

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Quant Time: Aug 31 17:15:16 2019
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 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	71694	18.622	ug/l	98
40) Benzene	8.32	78	185995	19.876	ug/l	99
41) Methacrylonitrile	7.48	41	22636	20.508	ug/l	96
42) 1,2-Dichloroethane	8.40	62	60514	20.633	ug/l	99
43) Isopropyl Acetate	8.42	43	65303	18.773	ug/l	99
44) Trichloroethene	9.09	130	45124	19.836	ug/l	98
45) 1,2-Dichloropropane	9.37	63	50787	20.166	ug/l	99
46) Dibromomethane	9.46	93	22522	20.099	ug/l	96
47) Bromodichloromethane	9.64	83	58835	19.728	ug/l	97
48) Methyl methacrylate	9.43	41	31012	18.731	ug/l	98
49) 1,4-Dioxane	9.45	88	7033	409.987	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	172213	97.333	ug/l	98
52) Toluene	10.38	92	113649	20.216	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	60032	19.762	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	71041	19.368	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31656	19.967	ug/l	99
56) Ethyl methacrylate	10.65	69	43778	18.973	ug/l	99
57) 1,3-Dichloropropane	10.93	76	59865	19.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	131816	111.310	ug/l	100
59) 2-Hexanone	10.97	43	117028	93.480	ug/l	98
60) Dibromochloromethane	11.13	129	34609	19.599	ug/l	98
61) 1,2-Dibromoethane	11.23	107	29329	19.857	ug/l	99
64) Tetrachloroethene	10.86	164	37501	19.817	ug/l	97
65) Chlorobenzene	11.66	112	116592	20.285	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	40779	20.338	ug/l	99
67) Ethyl Benzene	11.73	91	222076	20.058	ug/l	98
68) m/p-Xylenes	11.84	106	161309	40.447	ug/l	100
69) o-Xylene	12.16	106	73174	19.824	ug/l	97
70) Styrene	12.18	104	129127	20.211	ug/l	99
71) Bromoform	12.35	173	19342	19.361	ug/l #	99
73) Isopropylbenzene	12.46	105	213639	19.768	ug/l	100
74) N-amyl acetate	12.27	43	60864	18.640	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	37036	18.693	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	49513	35.249	ug/l #	100
77) Bromobenzene	12.74	156	46258	19.785	ug/l	98
78) n-propylbenzene	12.80	91	264683	20.062	ug/l	99
79) 2-Chlorotoluene	12.89	91	149691	19.984	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	181064	20.050	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11400	17.794	ug/l	96
82) 4-Chlorotoluene	12.99	91	158161	20.166	ug/l	99
83) tert-Butylbenzene	13.21	119	154500	20.197	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	183062	20.180	ug/l	100
85) sec-Butylbenzene	13.38	105	221606	20.221	ug/l	100
86) p-Isopropyltoluene	13.50	119	202125	20.652	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92249	20.172	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	90960	20.032	ug/l	98
89) n-Butylbenzene	13.82	91	198298	20.374	ug/l	100
90) Hexachloroethane	14.09	117	33563	19.546	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	81989	20.437	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6327	18.942	ug/l	95

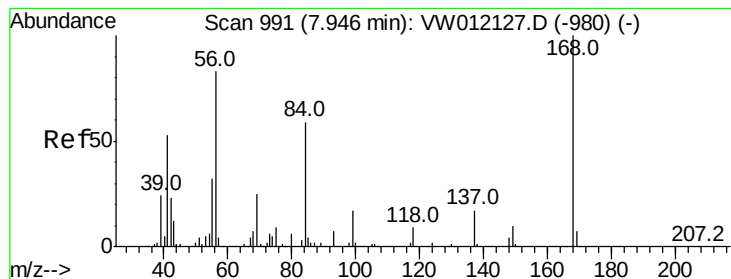
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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	56051	20.218	ug/l	99
94) Hexachlorobutadiene	15.24	225	40567	22.160	ug/l	97
95) Naphthalene	15.37	128	89642	19.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	49327	20.393	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

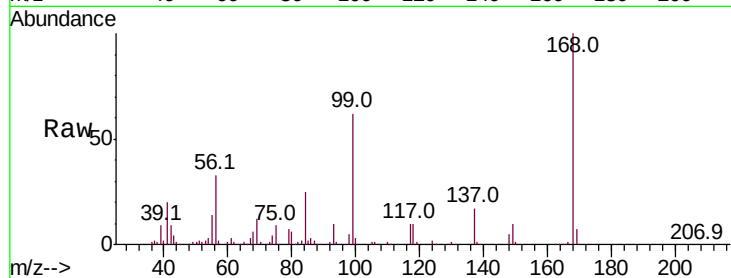
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 210469

Ion Ratio Lower Upper

168 100

99 61.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

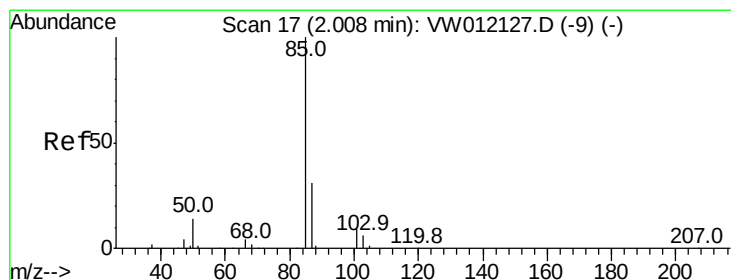
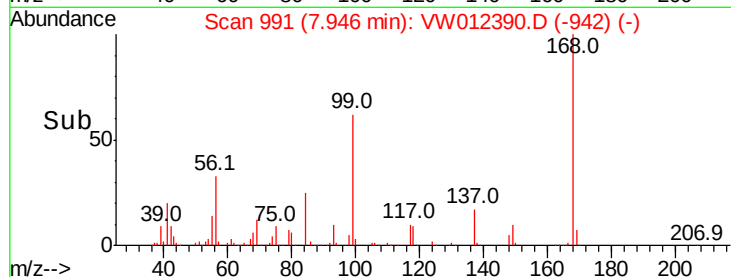
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.128 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012390.D

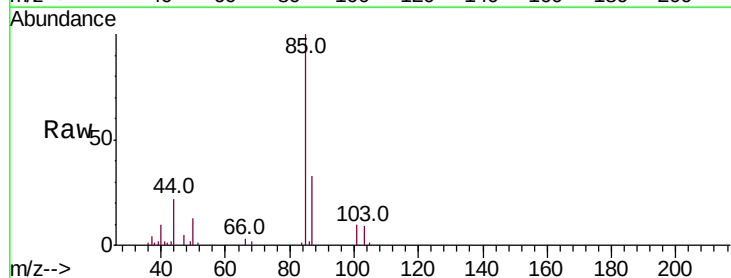
Acq: 31 Aug 2019 10:51

Tgt Ion: 85 Resp: 24789

Ion Ratio Lower Upper

85 100

87 33.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

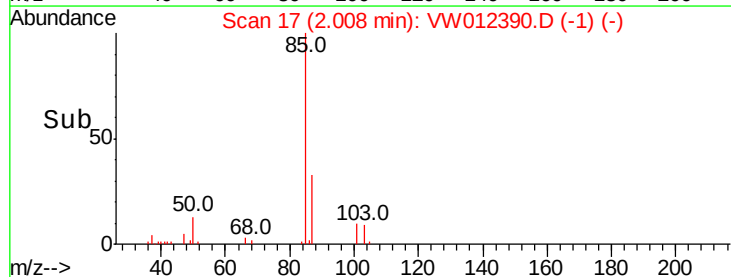
6000

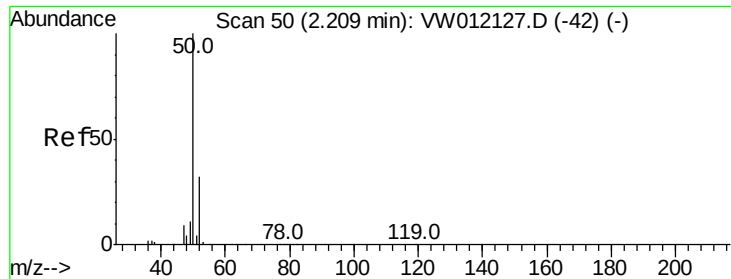
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 20.065 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

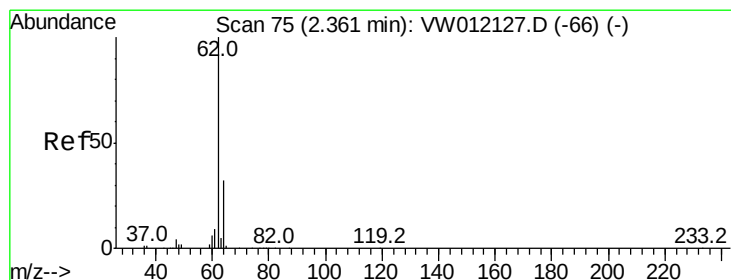
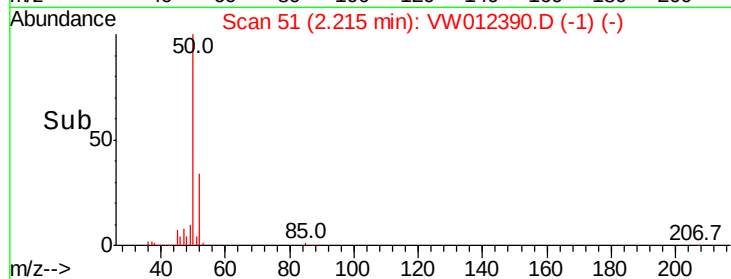
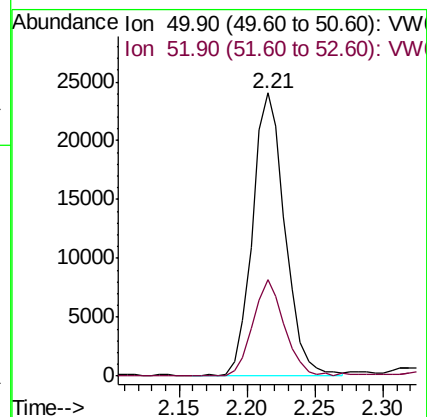
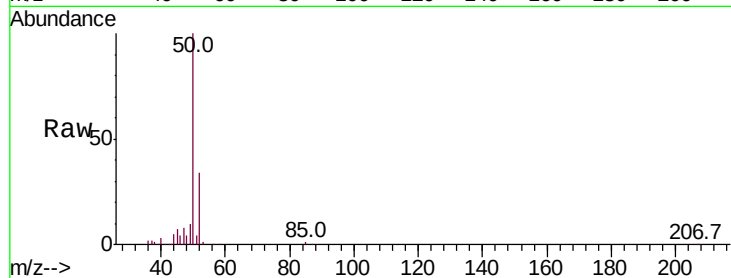
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 40287

Ion Ratio Lower Upper

50 100

52 34.2 25.5 38.3



#4

Vinyl Chloride

Concen: 19.219 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012390.D

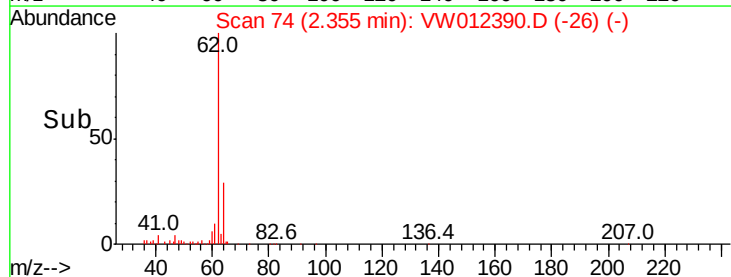
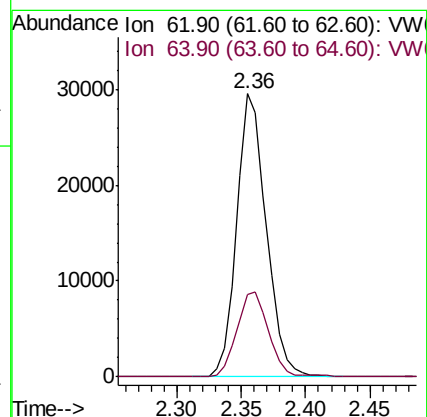
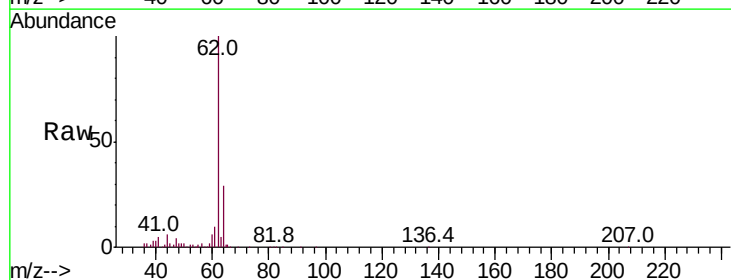
Acq: 31 Aug 2019 10:51

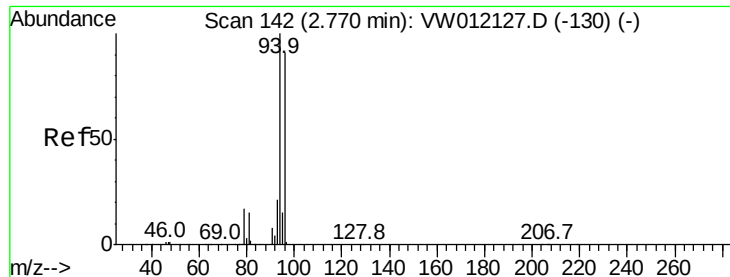
Tgt Ion: 62 Resp: 47229

Ion Ratio Lower Upper

62 100

64 29.1 25.3 37.9





#5

Bromomethane

Concen: 16.661 ug/l

RT: 2.71 min Scan# 133

Delta R.T. -0.05 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

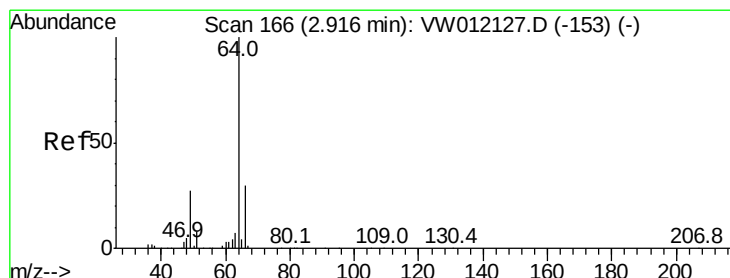
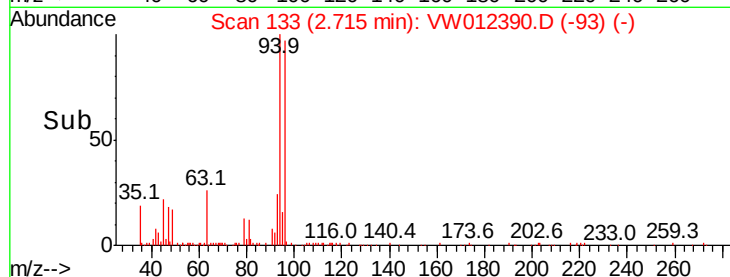
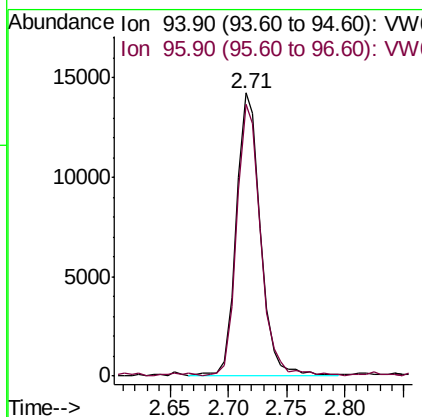
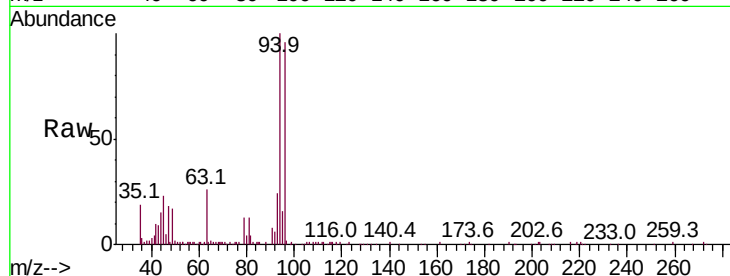
ClientSampleId :

Tot Ion: 94 Resp: 20735

Ion Ratio Lower Upper

94 100

96 95.7 72.9 109.3



#6

Chloroethane

Concen: 17.796 ug/l

RT: 2.87 min Scan# 158

Delta R.T. -0.05 min

Lab File: VW012390.D

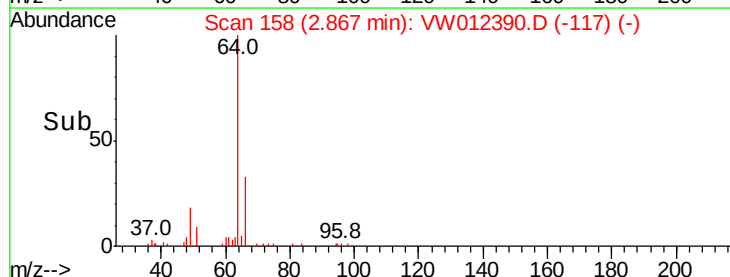
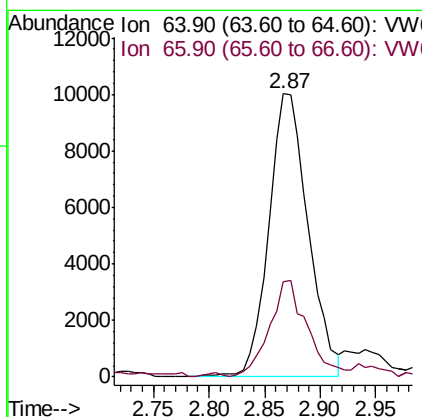
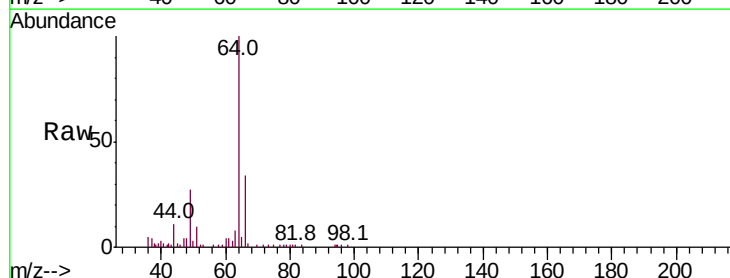
Acq: 31 Aug 2019 10:51

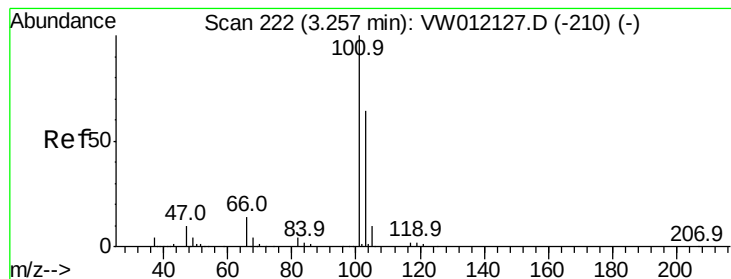
Tgt Ion: 64 Resp: 24670

Ion Ratio Lower Upper

64 100

66 32.4 23.8 35.8



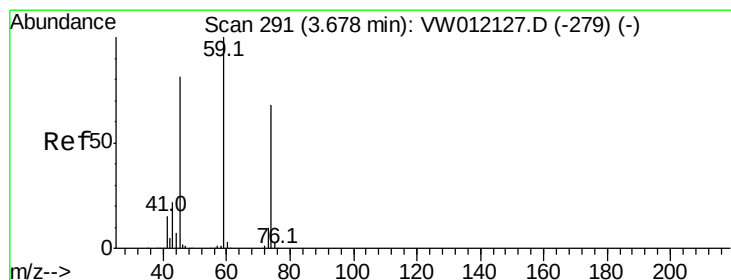
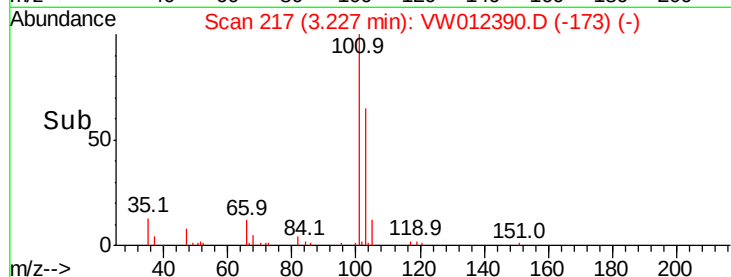
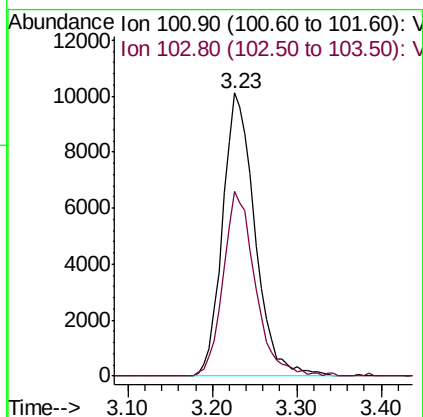
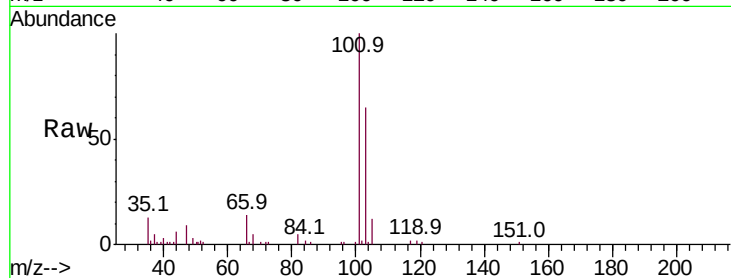


#7

Trichlorofluoromethane
 Concen: 21.467 ug/l
 RT: 3.23 min Scan# 217
 Delta R.T. -0.03 min
 Lab File: VW012390.D
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Instrument :
 MSVOA_W
 ClientSampleId :

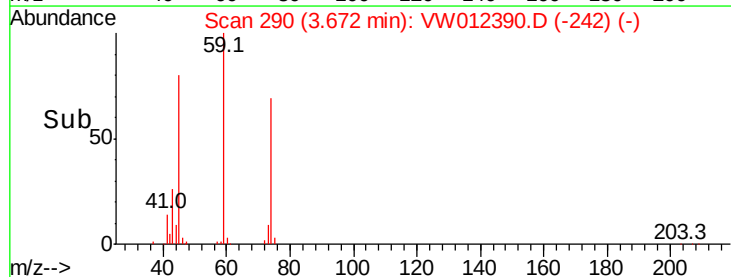
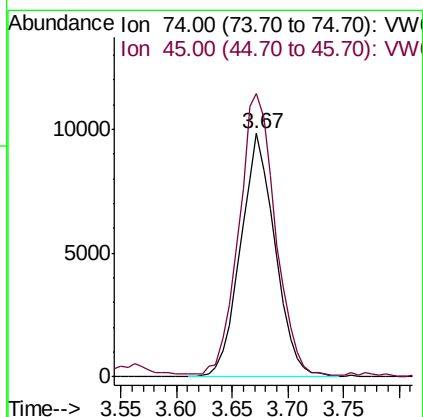
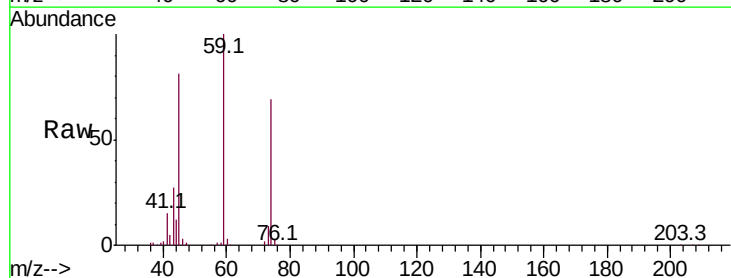
Tot Ion:101 Resp: 26489
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.2 76.8

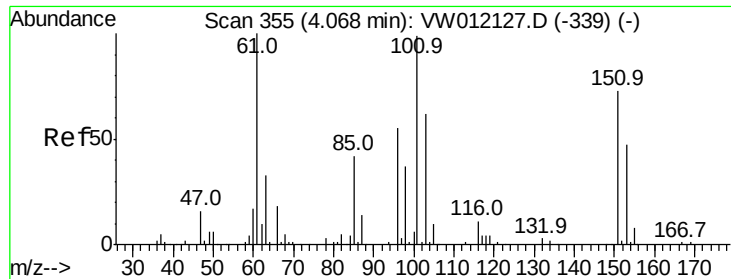


#8

Diethyl Ether
 Concen: 18.075 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion: 74 Resp: 21171
 Ion Ratio Lower Upper
 74 100
 45 124.0 59.2 177.6

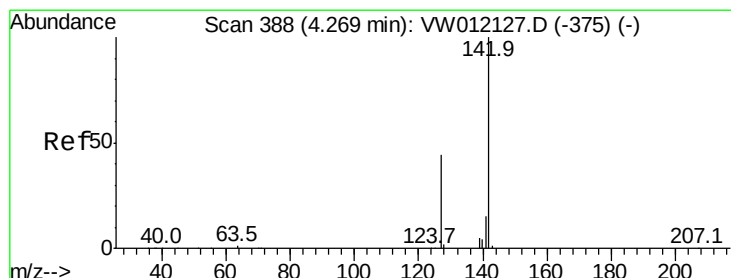
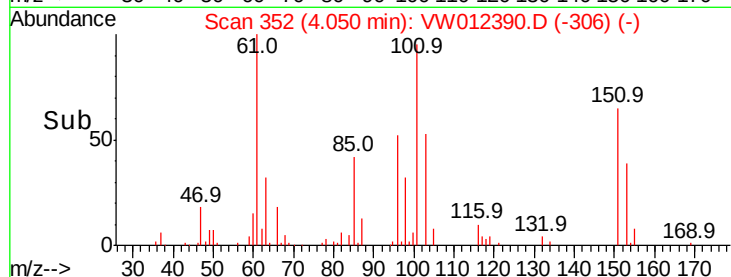
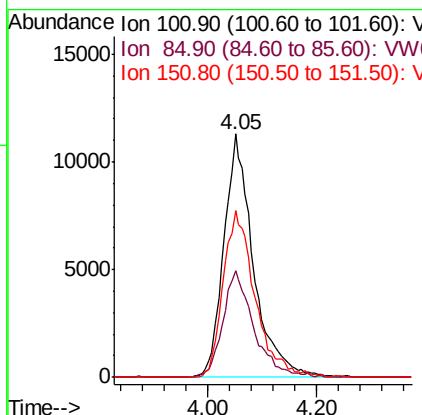
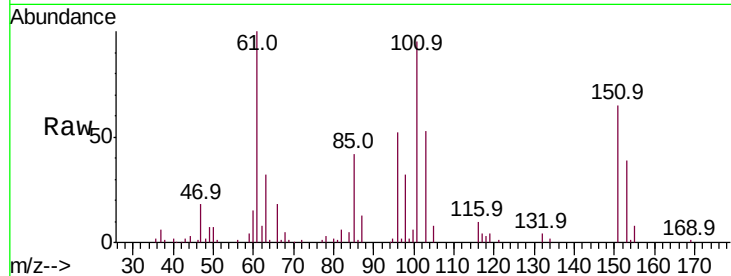




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.366 ug/l
 RT: 4.05 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

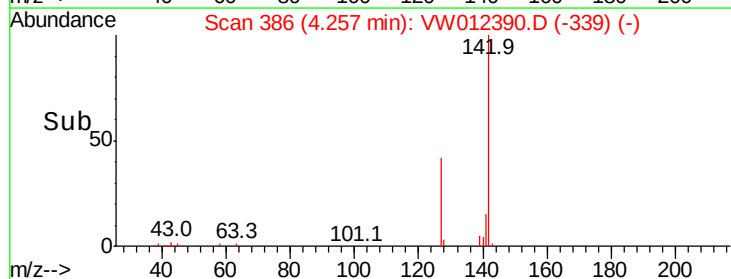
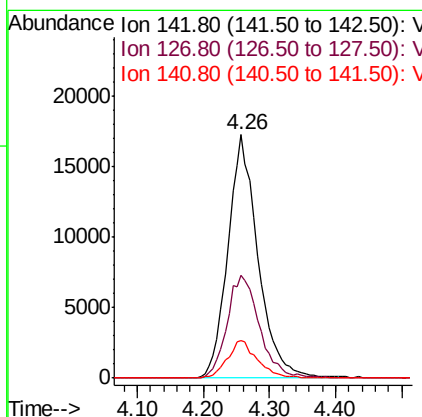
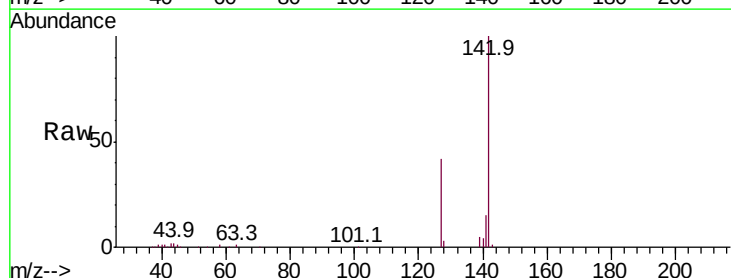
Instrument :
 MSVOA_W
 ClientSampled :

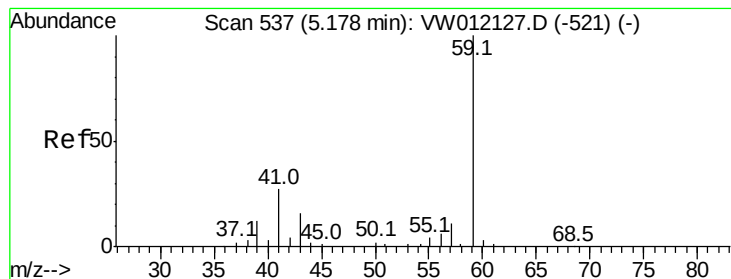
Tot Ion:101 Resp: 42716
 Ion Ratio Lower Upper
 101 100
 85 45.4 35.8 53.6
 151 73.1 58.6 87.8



#10
 Methyl Iodide
 Concen: 19.172 ug/l
 RT: 4.26 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion:142 Resp: 54408
 Ion Ratio Lower Upper
 142 100
 127 45.2 35.5 53.3
 141 15.3 11.8 17.8



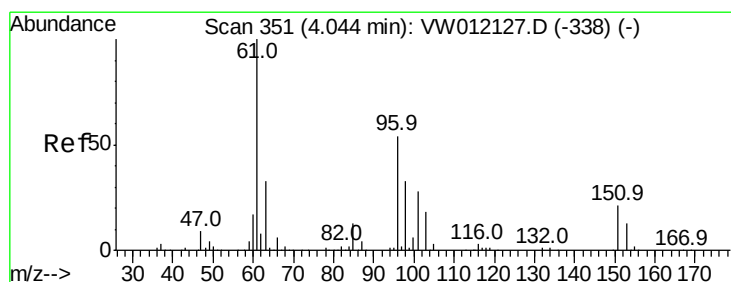
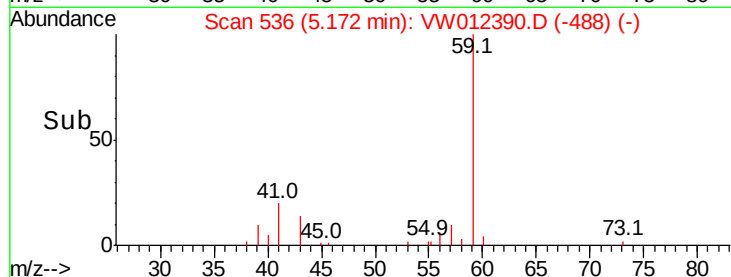
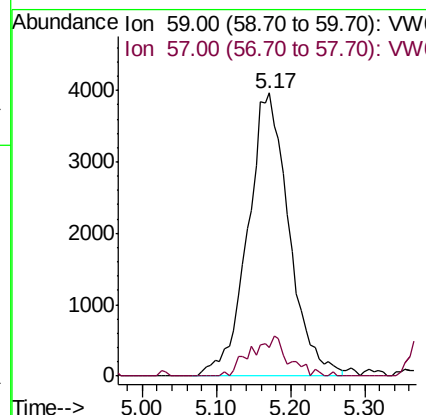
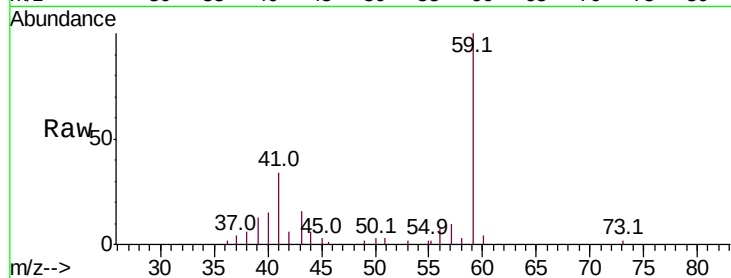


#11

Tert butyl alcohol
 Concen: 102.254 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Instrument :
 MSVOA_W
 ClientSampled :

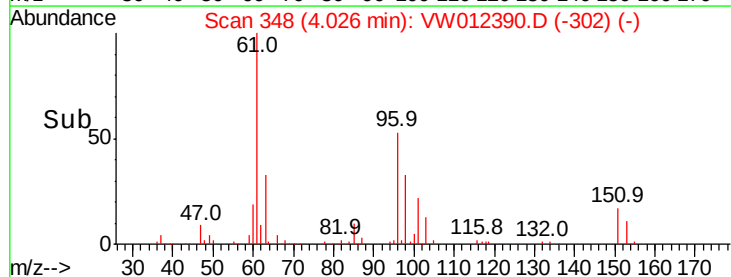
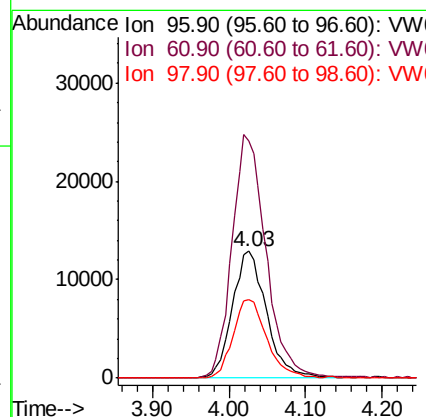
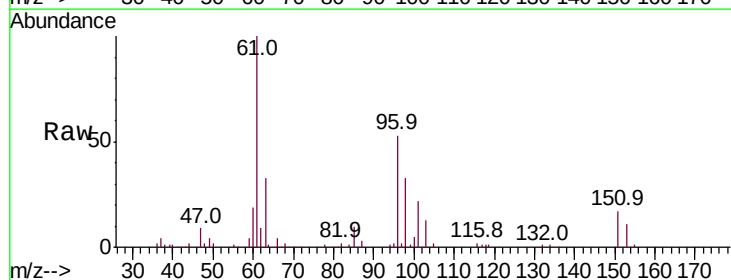
Tot Ion: 59 Resp: 15396
 Ion Ratio Lower Upper
 59 100
 57 12.7 9.0 13.4

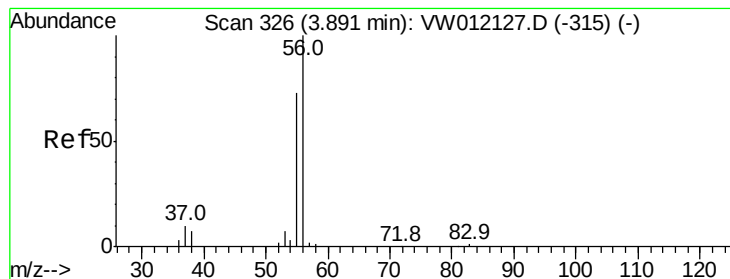


#12

1,1-Dichloroethene
 Concen: 18.846 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion: 96 Resp: 39785
 Ion Ratio Lower Upper
 96 100
 61 187.4 149.1 223.7
 98 61.9 49.4 74.2





#13

Acrolein

Concen: 84.674 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

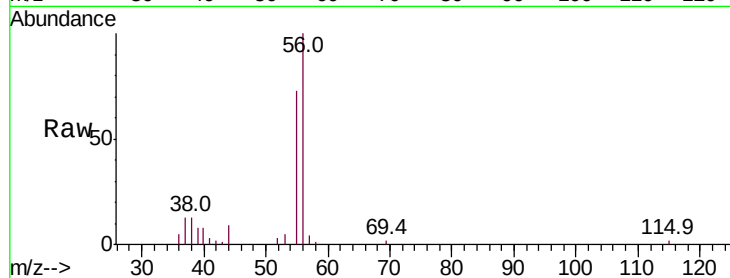
ClientSampled :

Tot Ion: 56 Resp: 12001

Ion Ratio Lower Upper

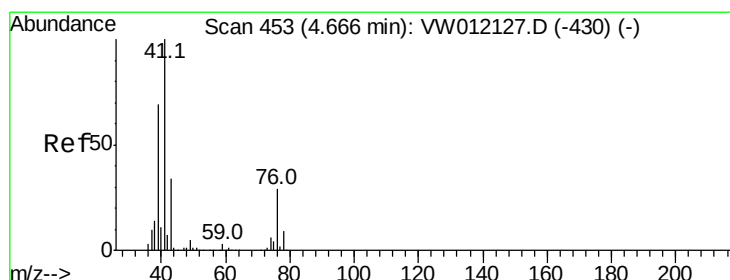
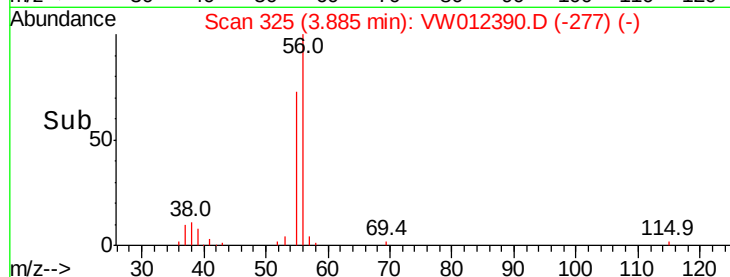
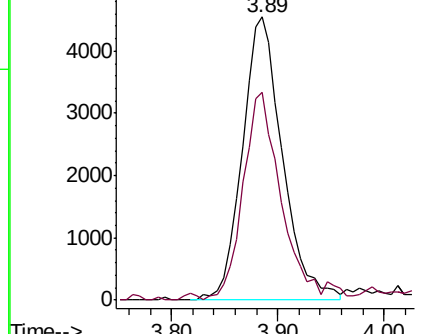
56 100

55 68.5 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 18.729 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

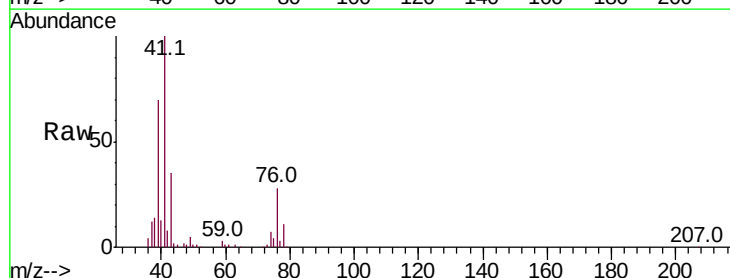
Tgt Ion: 41 Resp: 84527

Ion Ratio Lower Upper

41 100

39 69.1 53.4 80.2

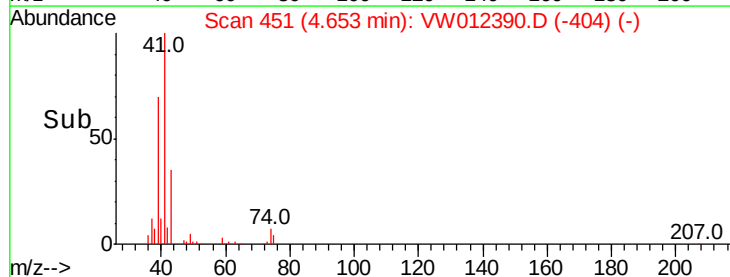
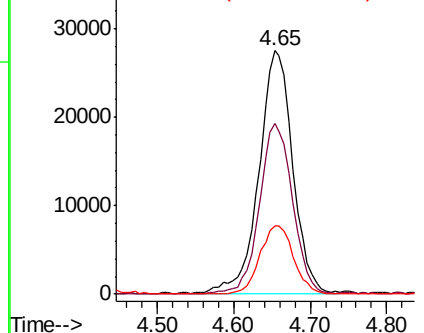
76 28.0 22.1 33.1

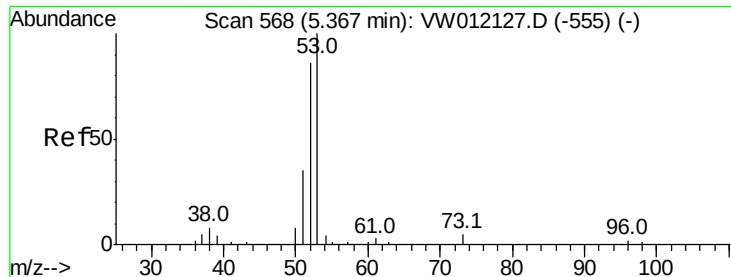


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 95.286 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :
MSVOA_W
ClientSampleId :

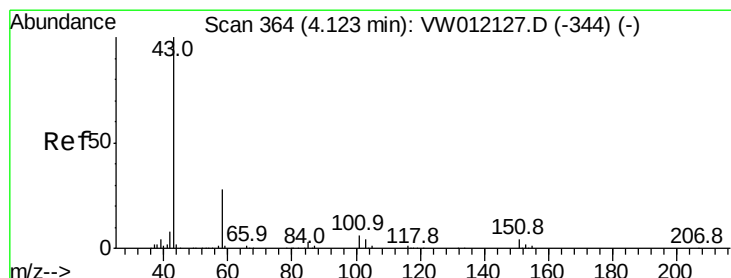
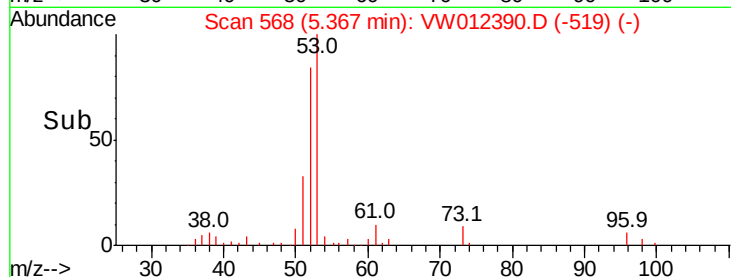
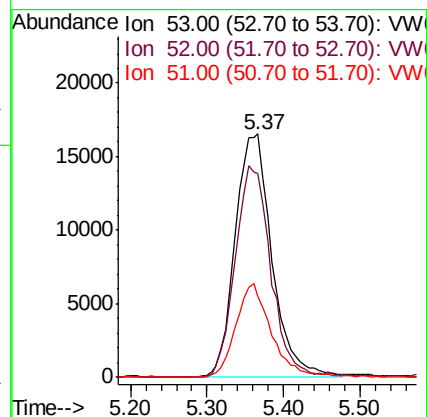
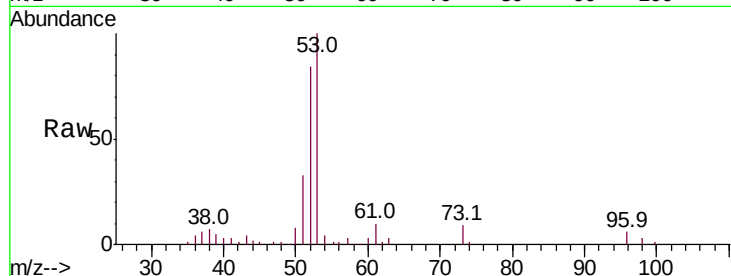
Tot Ion: 53 Resp: 55318

Ion Ratio Lower Upper

53 100

52 84.4 66.7 100.1

51 37.2 30.1 45.1



#16

Acetone

Concen: 85.607 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW012390.D

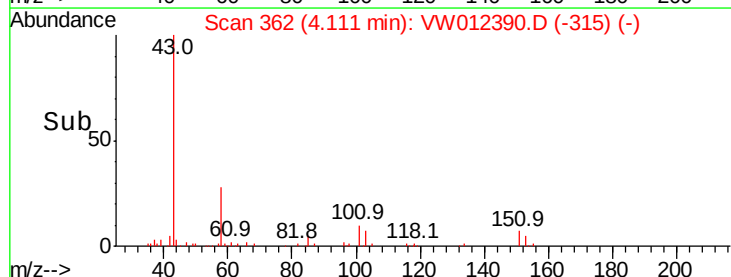
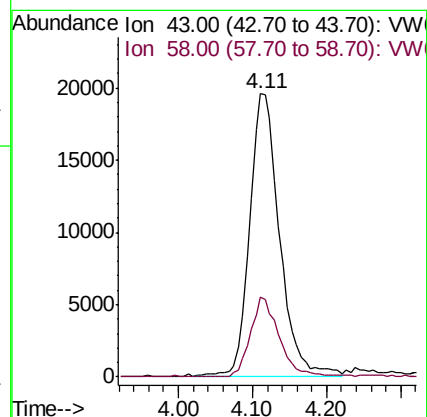
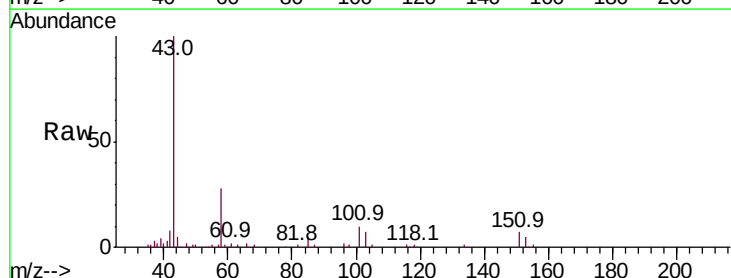
Acq: 31 Aug 2019 10:51

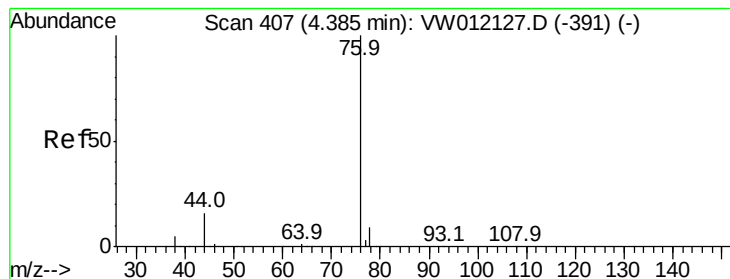
Tgt Ion: 43 Resp: 54750

Ion Ratio Lower Upper

43 100

58 28.1 22.4 33.6





#17

Carbon Disulfide

Concen: 15.165 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.02 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

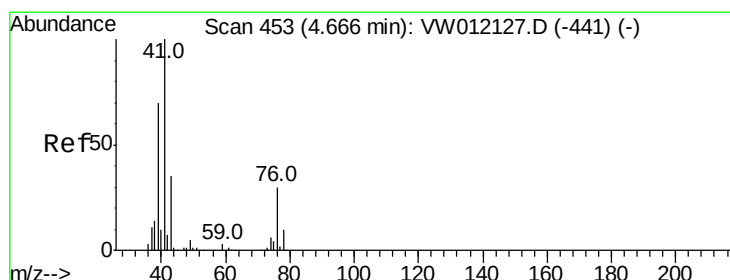
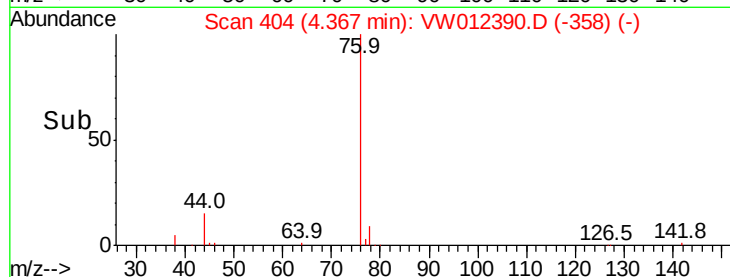
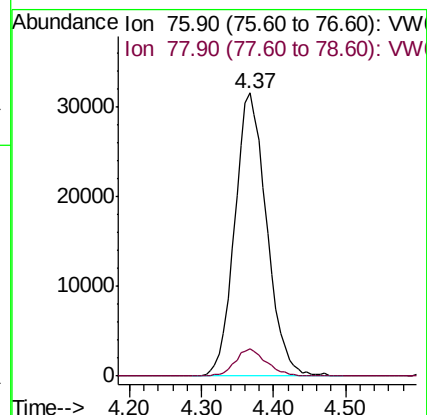
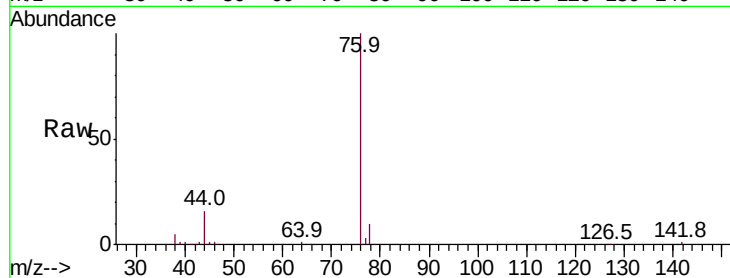
ClientSampleId :

Tot Ion: 76 Resp: 96758

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



#18

Methyl Acetate

Concen: 20.990 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012390.D

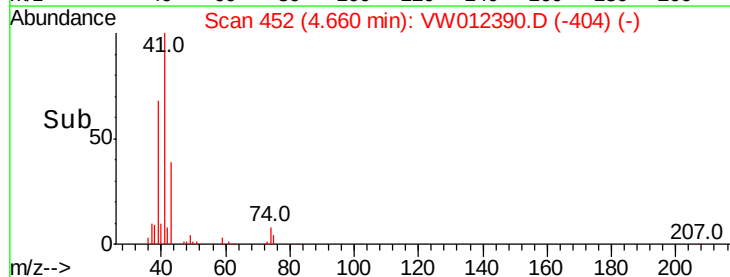
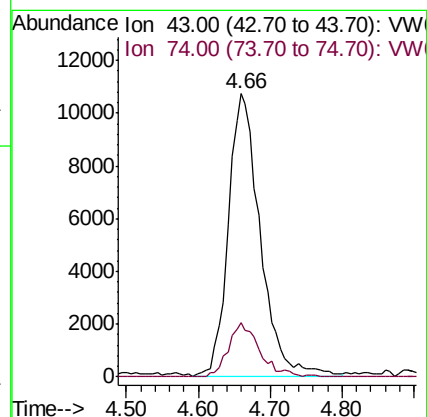
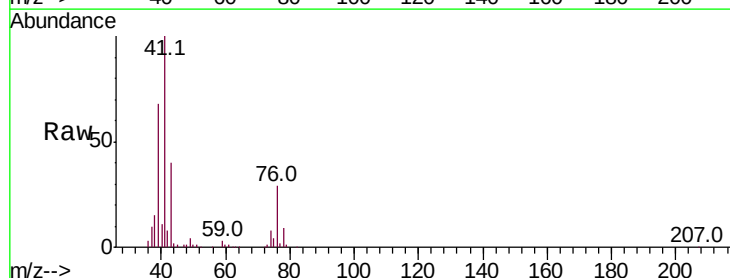
Acq: 31 Aug 2019 10:51

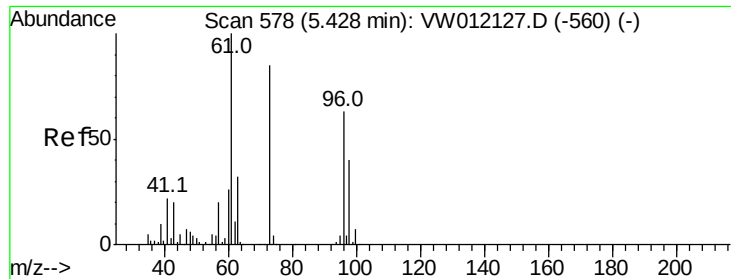
Tgt Ion: 43 Resp: 33250

Ion Ratio Lower Upper

43 100

74 18.5 15.7 23.5

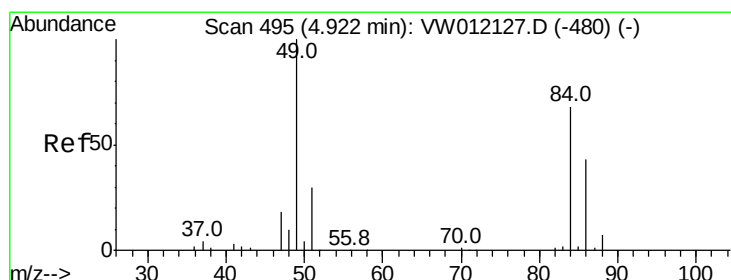
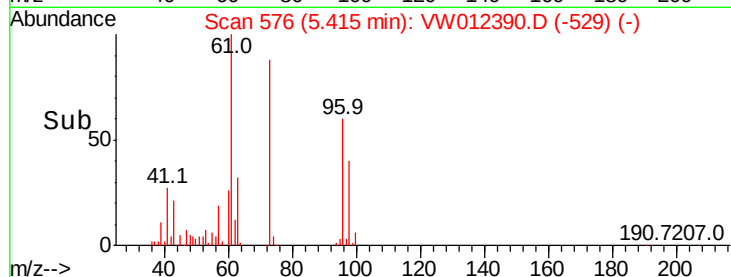
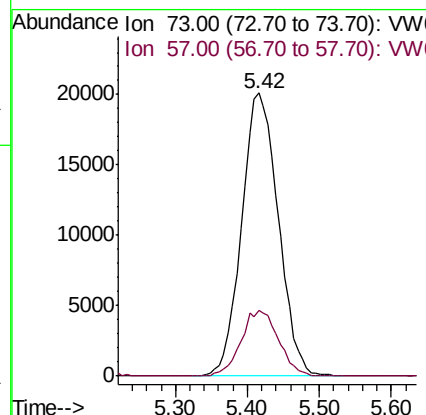
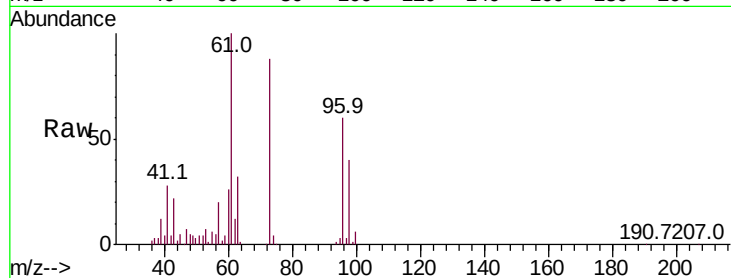




#19
Methyl tert-butyl Ether
Concen: 20.840 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

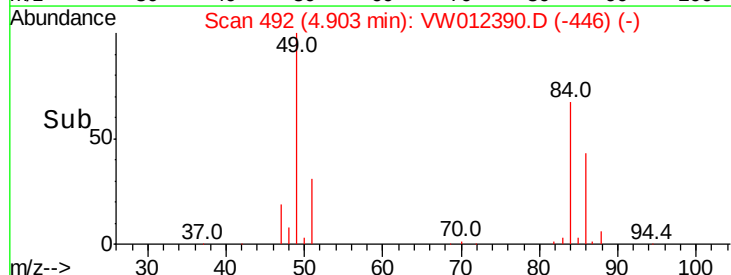
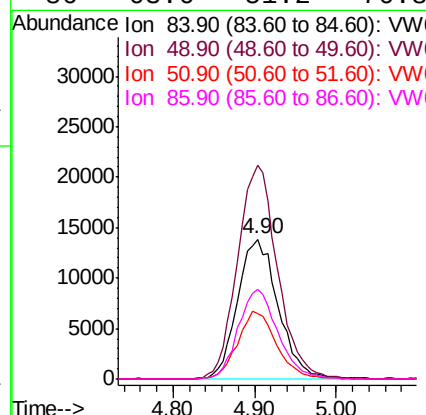
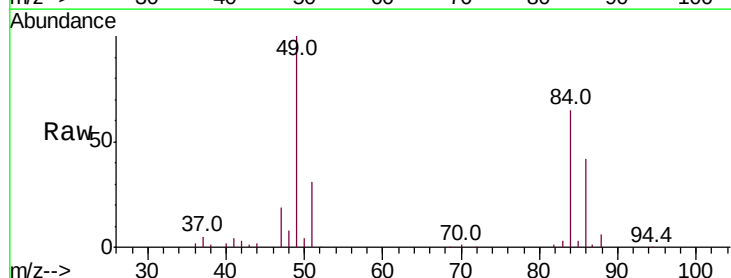
Instrument :
MSVOA_W
ClientSampled :

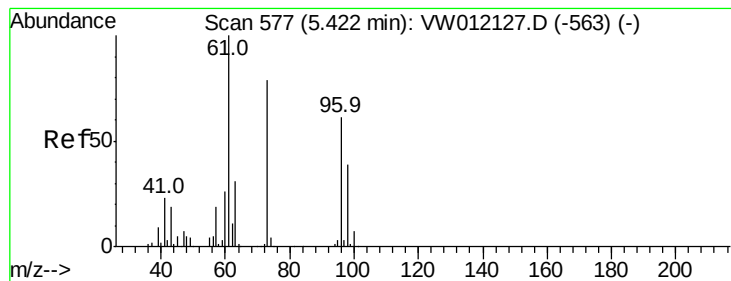
Tot Ion: 73 Resp: 71146
Ion Ratio Lower Upper
73 100
57 23.2 18.9 28.3



#20
Methylene Chloride
Concen: 19.823 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion: 84 Resp: 47928
Ion Ratio Lower Upper
84 100
49 152.3 117.8 176.8
51 47.0 35.6 53.4
86 63.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.597 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

ClientSampled :

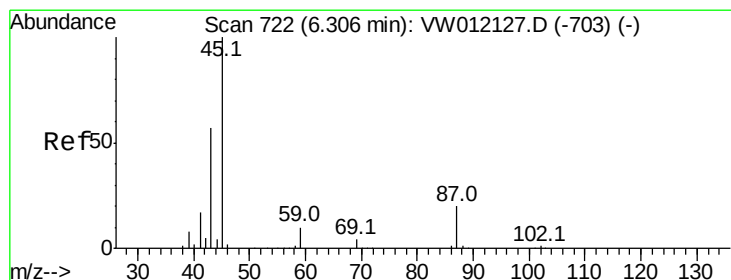
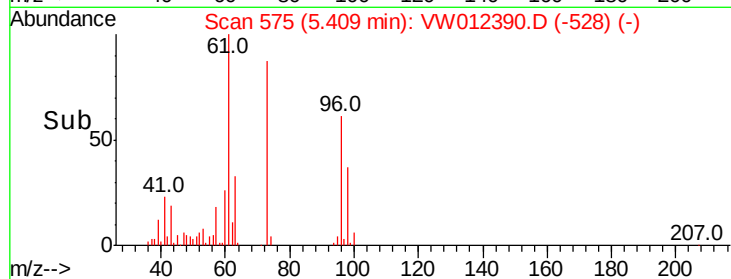
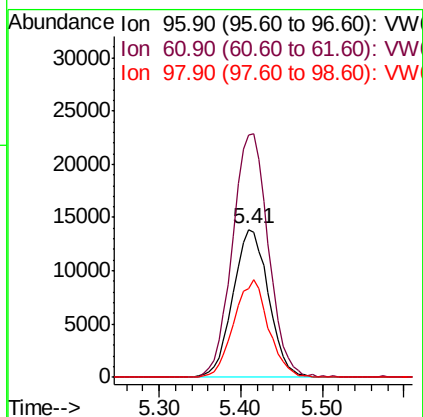
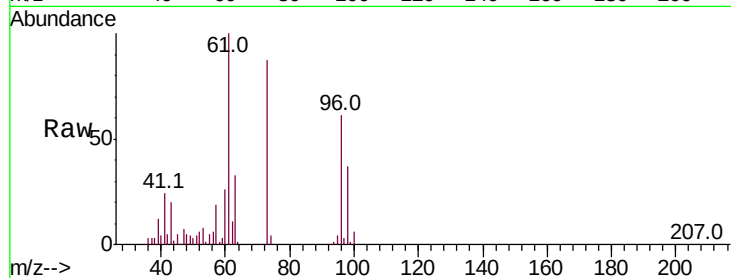
Tot Ion: 96 Resp: 42100

Ion Ratio Lower Upper

96 100

61 164.2 131.4 197.0

98 60.2 51.4 77.0



#22

Diisopropyl ether

Concen: 20.327 ug/l

RT: 6.30 min Scan# 721

Delta R.T. -0.01 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Tgt Ion: 45 Resp: 170051

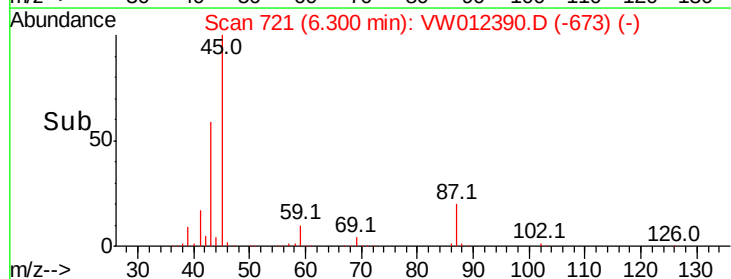
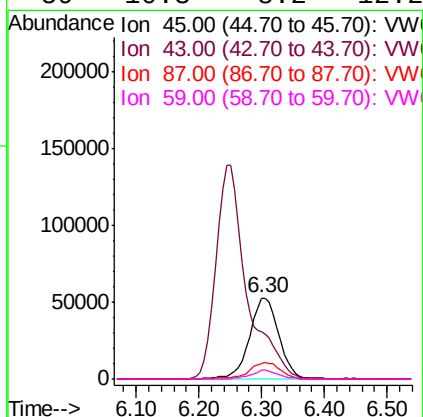
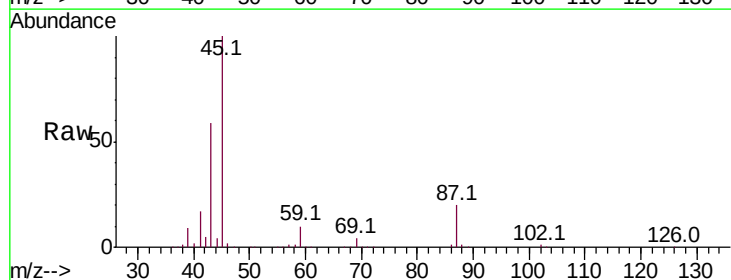
Ion Ratio Lower Upper

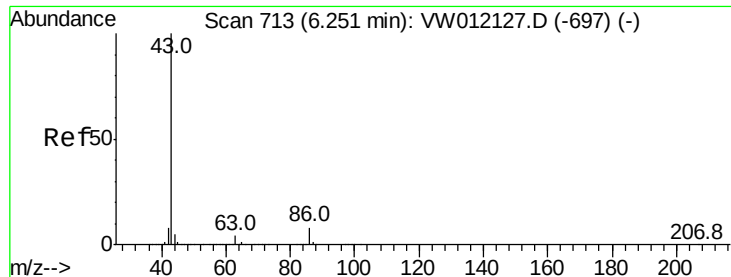
45 100

43 58.6 45.5 68.3

87 19.4 16.1 24.1

59 10.3 8.2 12.2





#23

Vinyl Acetate

Concen: 92.224 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

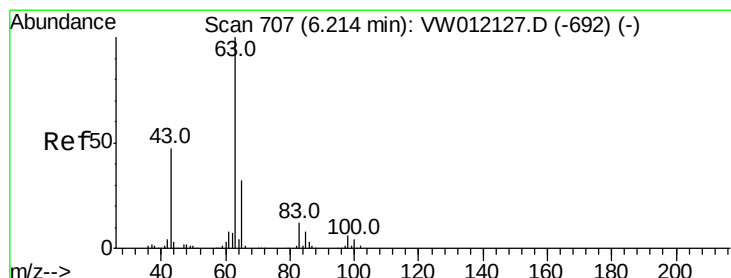
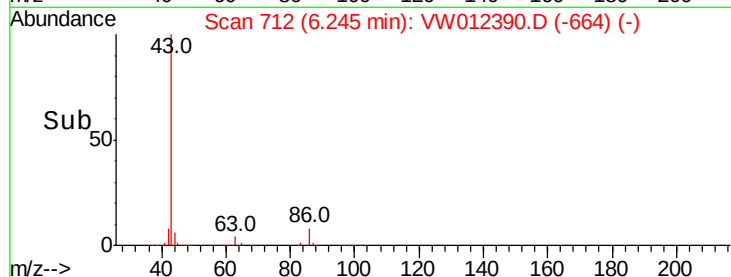
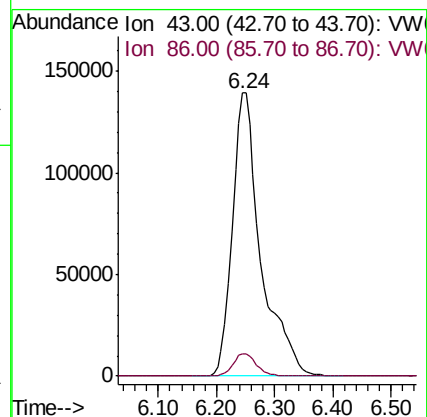
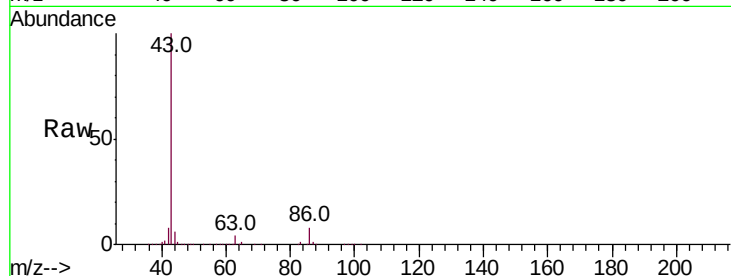
ClientSampled :

Tot Ion: 43 Resp: 474805

Ion Ratio Lower Upper

43 100

86 7.7 6.5 9.7



#24

1,1-Dichloroethane

Concen: 19.733 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

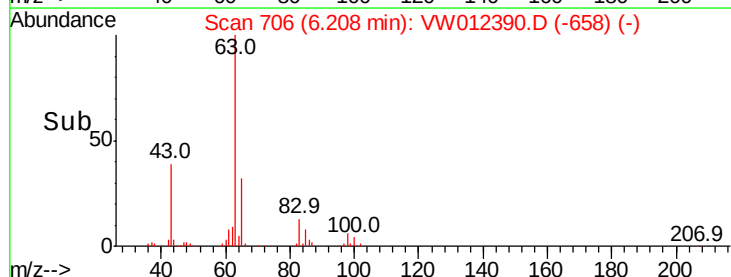
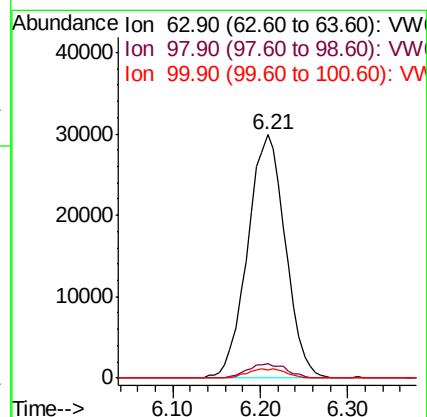
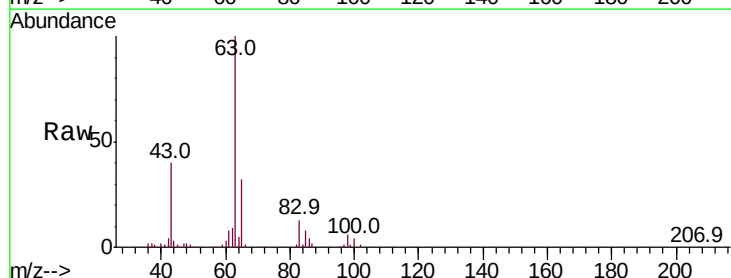
Tgt Ion: 63 Resp: 89885

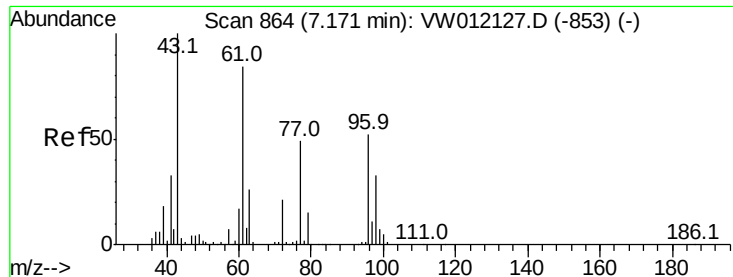
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 88.736 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

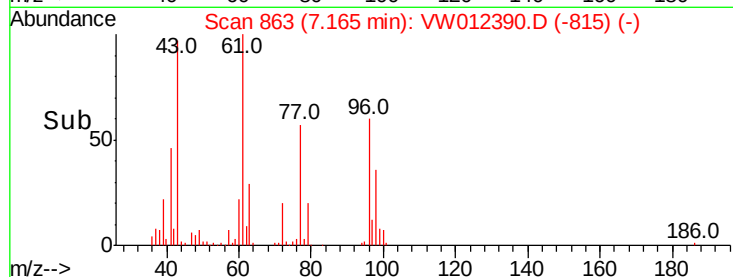
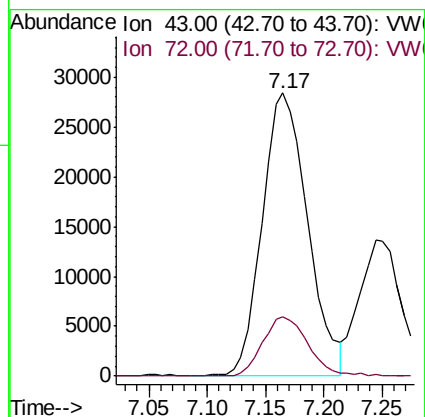
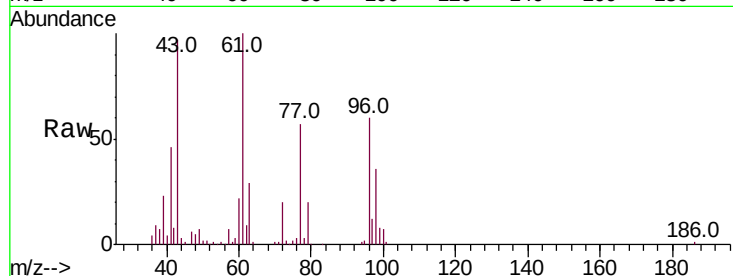
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 77119

Ion Ratio Lower Upper

43 100

72 21.0 16.6 24.8



#26

2,2-Dichloropropane

Concen: 20.718 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012390.D

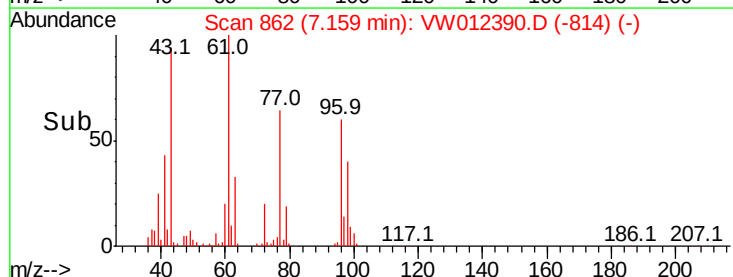
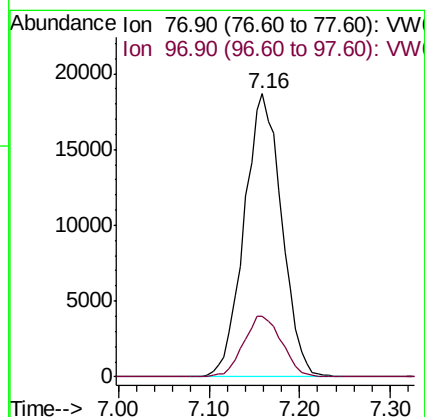
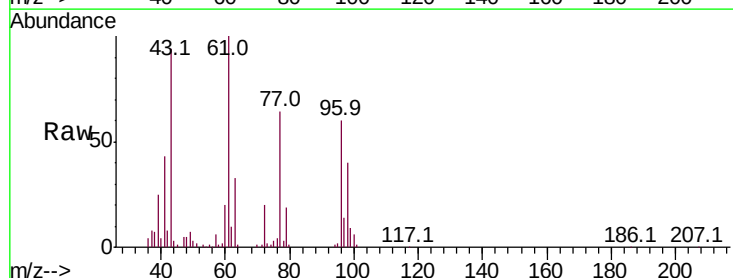
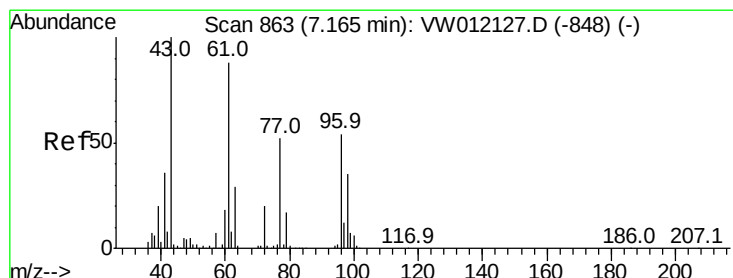
Acq: 31 Aug 2019 10:51

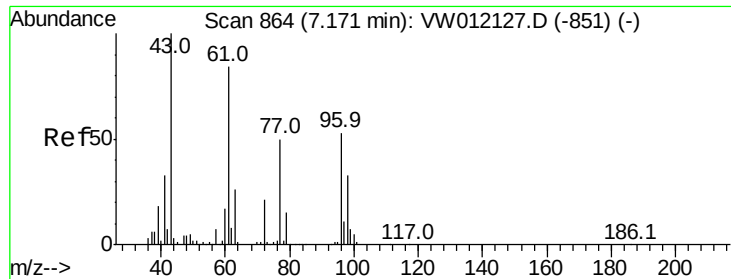
Tgt Ion: 77 Resp: 53415

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.1

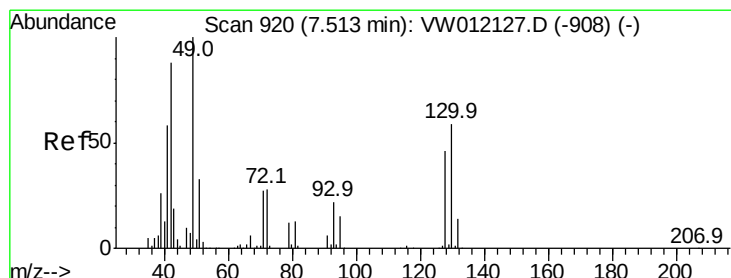
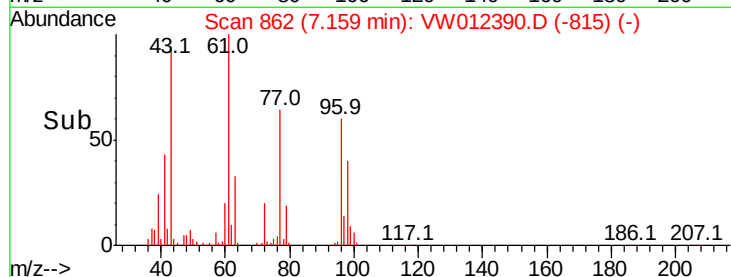
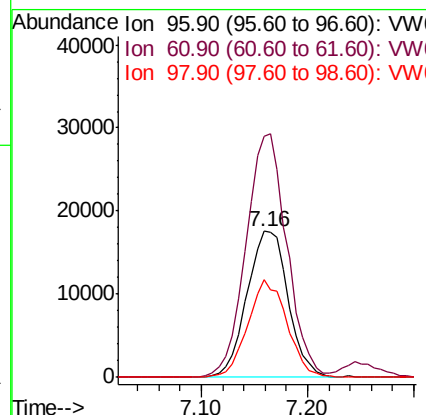
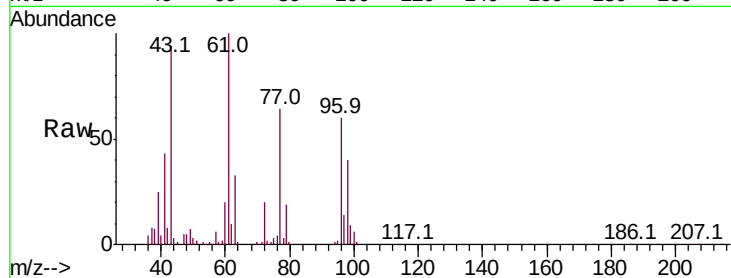




#27
 cis-1,2-Dichloroethene
 Concen: 19.675 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

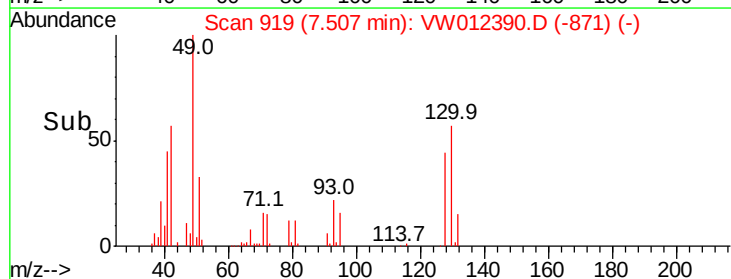
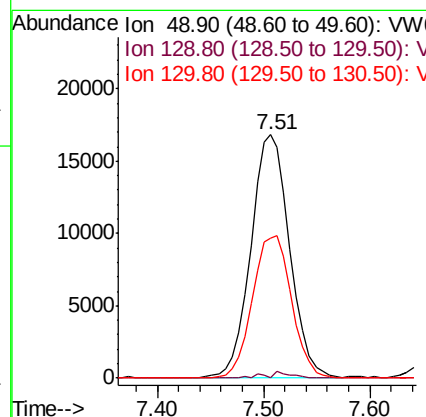
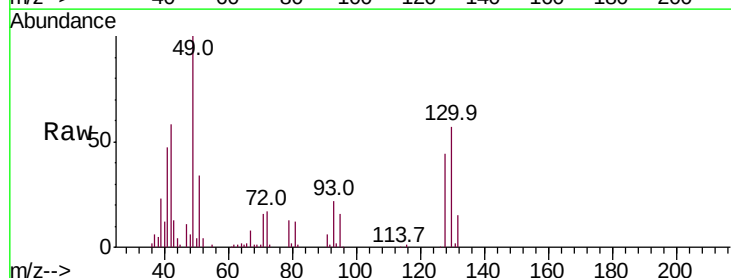
Instrument :
 MSVOA_W
 ClientSampleId :

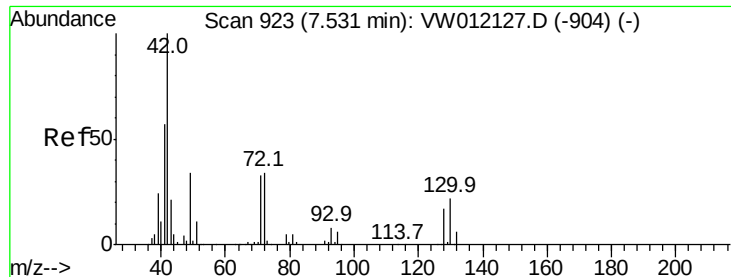
Tot Ion	Ratio	Lower	Upper
96	100		
61	165.3	0.0	326.6
98	63.6	0.0	127.4



#28
 Bromochloromethane
 Concen: 21.610 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	1.4
130	59.2	45.5	68.3

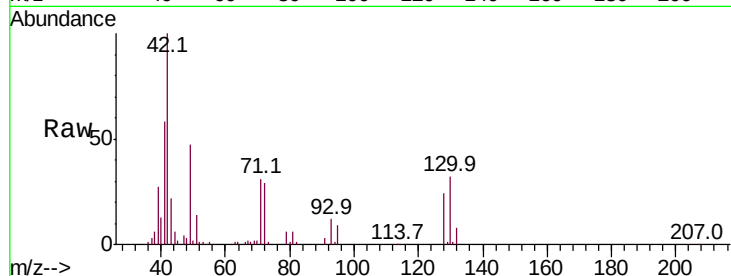




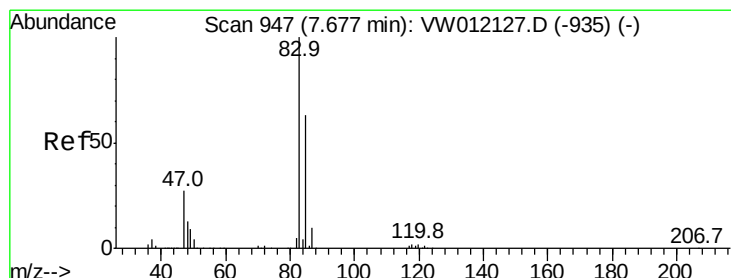
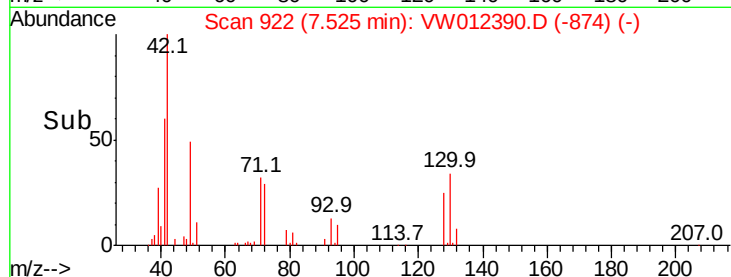
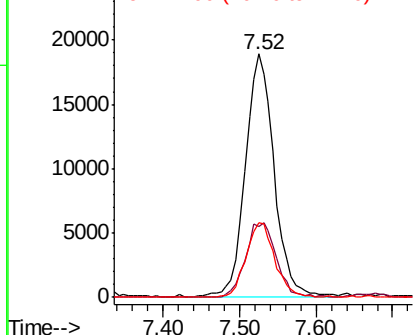
#29
Tetrahydrofuran
Concen: 94.037 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 49032
Ion Ratio Lower Upper
42 100
72 33.2 27.3 40.9
71 31.0 25.5 38.3

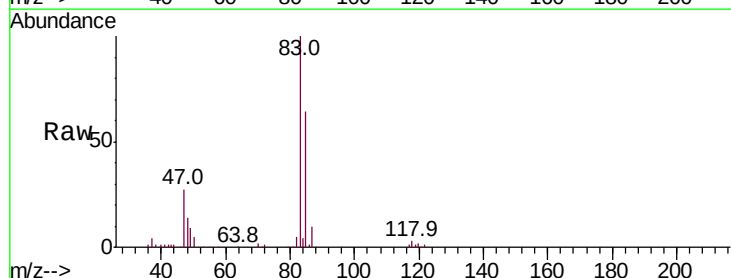


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

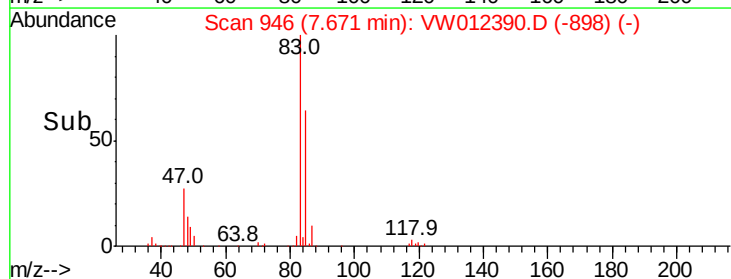
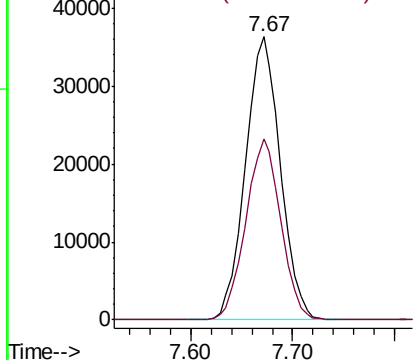


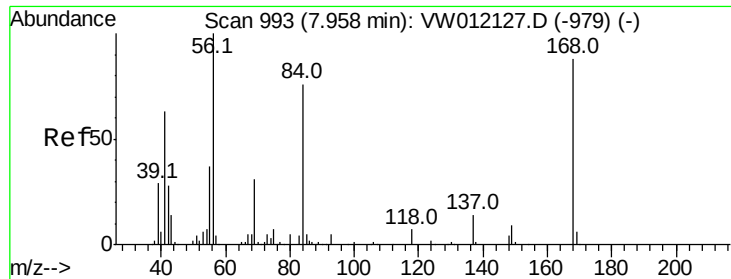
#30
Chloroform
Concen: 20.764 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion: 83 Resp: 86531
Ion Ratio Lower Upper
83 100
85 63.7 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

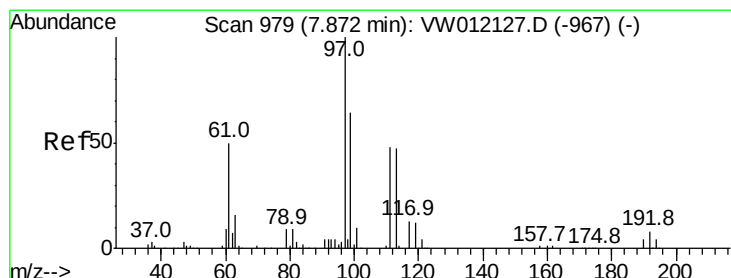
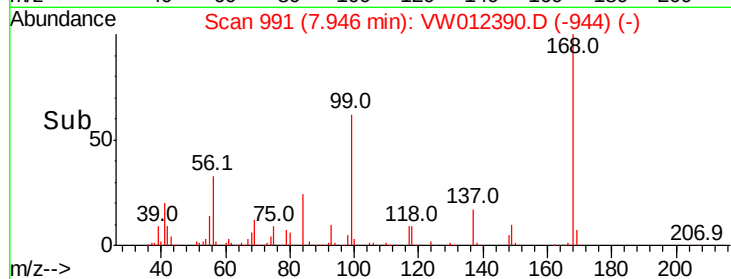
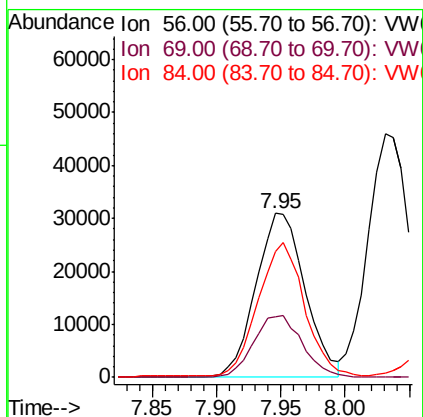
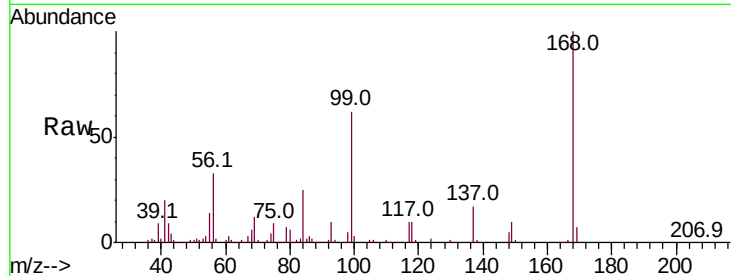




#31
Cyclohexane
Concen: 18.198 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

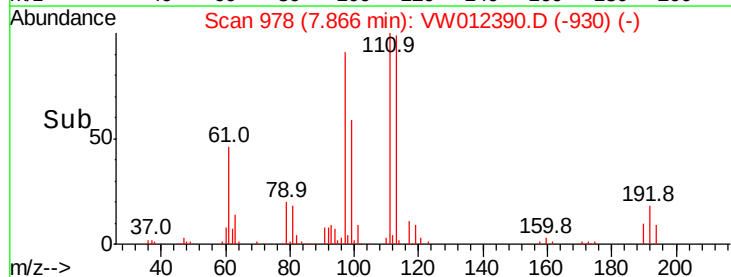
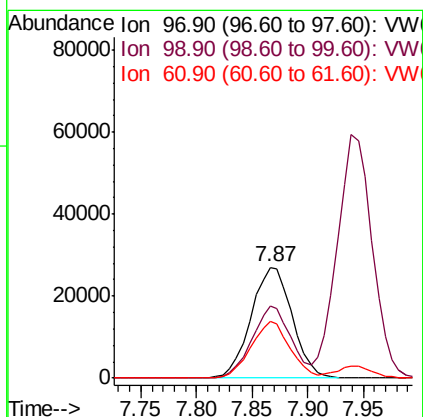
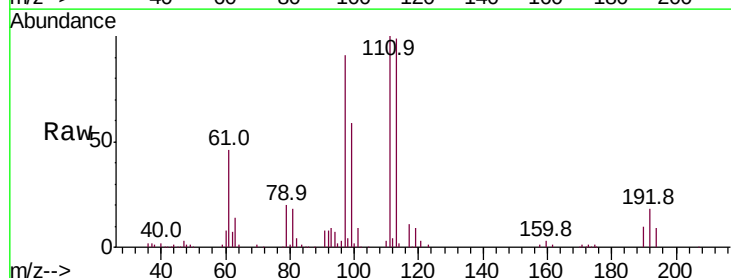
Instrument :
MSVOA_W
ClientSampled :

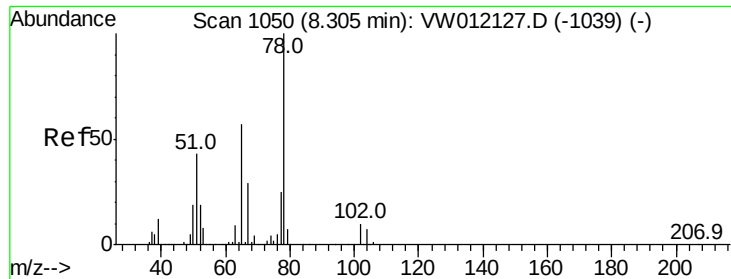
Tot Ion: 56 Resp: 82012
Ion Ratio Lower Upper
56 100
69 37.0 24.9 37.3
84 75.1 60.6 90.8



#32
1,1,1-Trichloroethane
Concen: 21.080 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion: 97 Resp: 69493
Ion Ratio Lower Upper
97 100
99 62.1 51.4 77.0
61 48.8 39.5 59.3

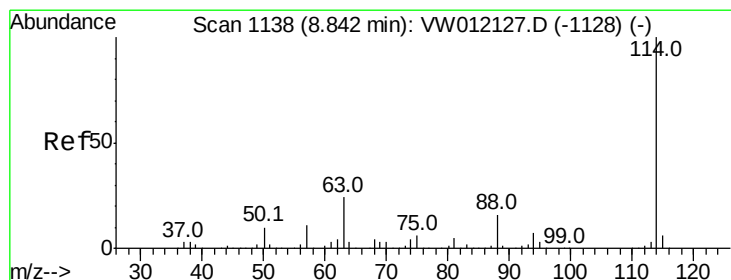
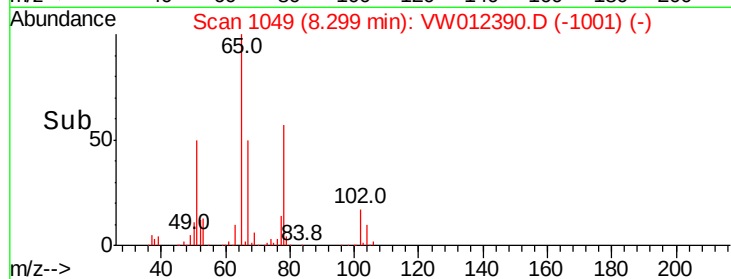
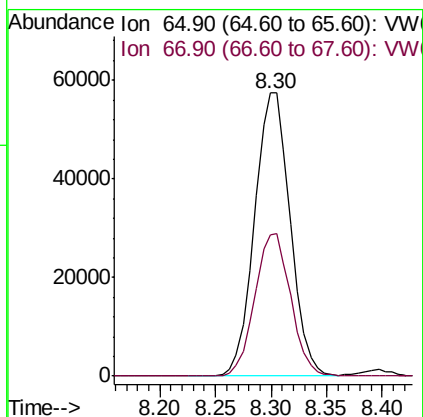
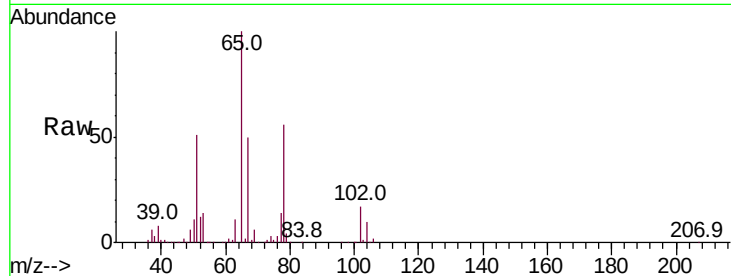




#33
 1,2-Dichloroethane-d4
 Concen: 51.196 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

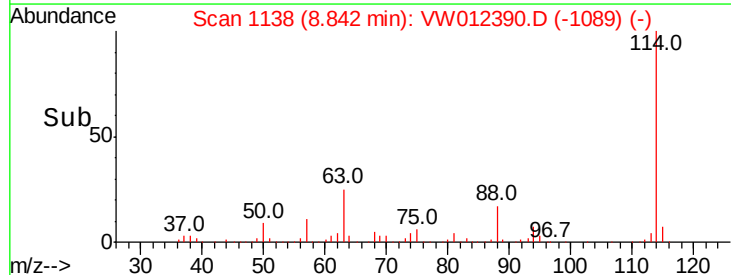
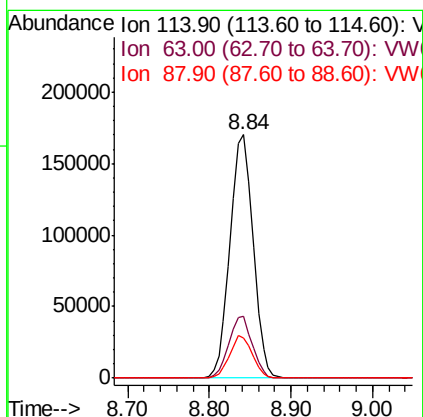
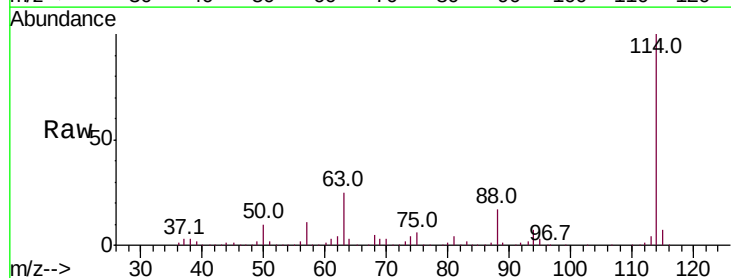
Instrument :
 MSVOA_W
 ClientSampleId :

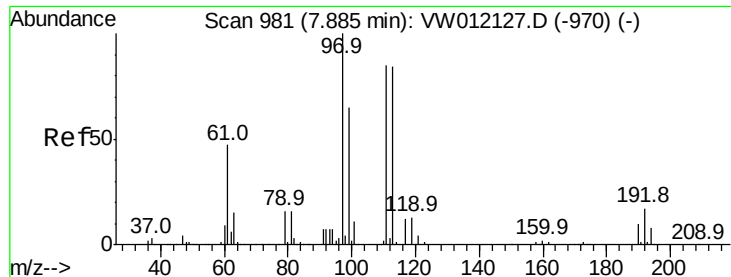
Tot Ion: 65 Resp: 128090
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion: 114 Resp: 331634
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 48.6
 88 16.7 0.0 32.2

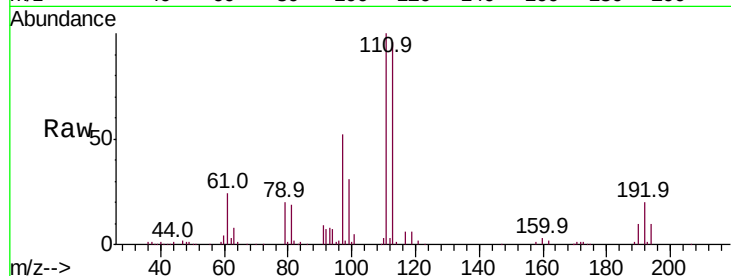




#35
 Dibromofluoromethane
 Concen: 50.526 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.7	124.1
192	20.7	16.2	24.2

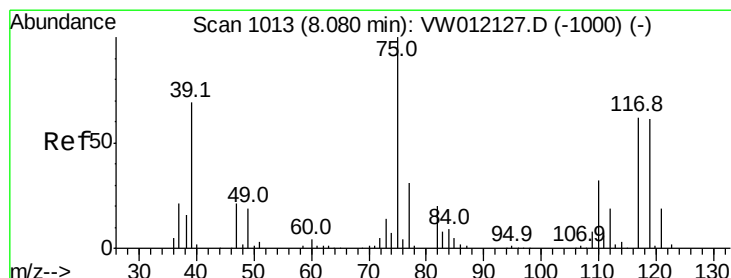
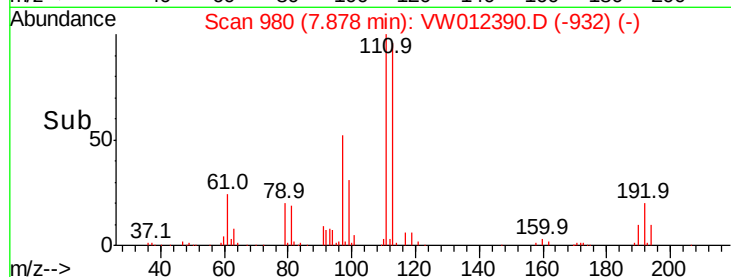
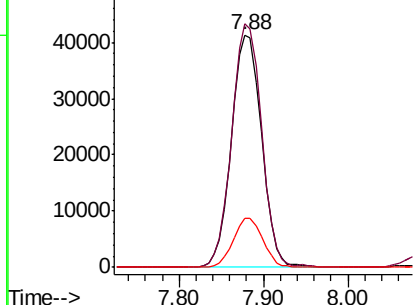


Abundance

Ion 112.80 (112.50 to 113.50): V

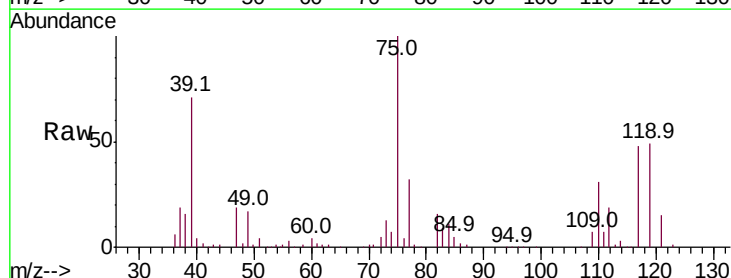
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.895 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.7	15.6	46.8
77	30.5	24.6	36.8

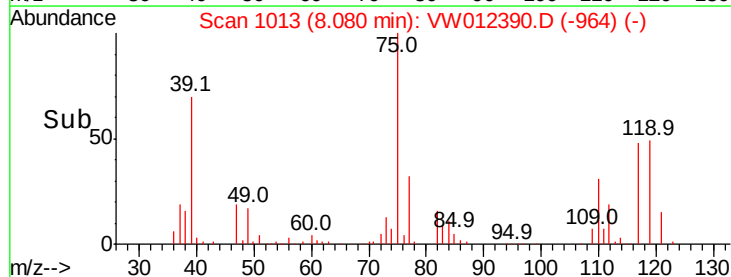
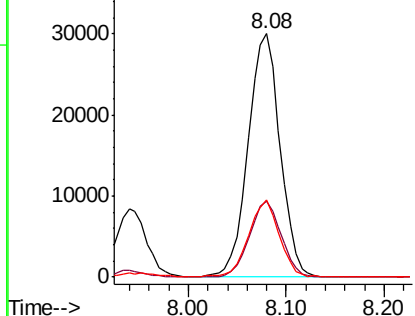


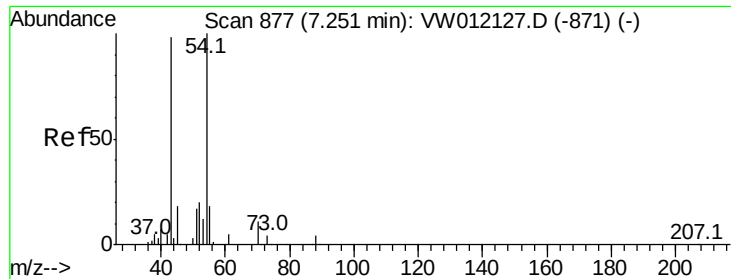
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

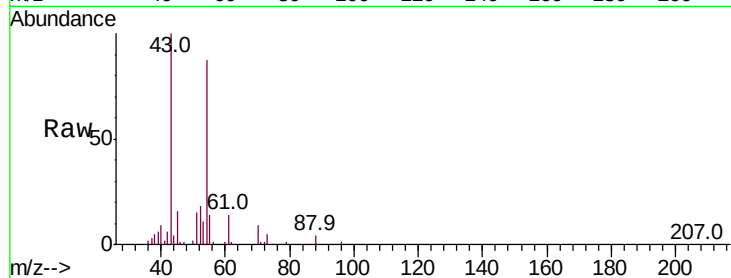




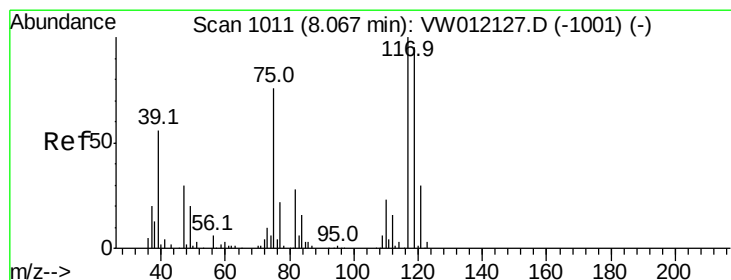
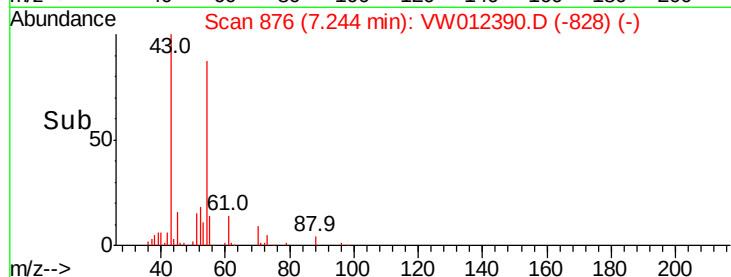
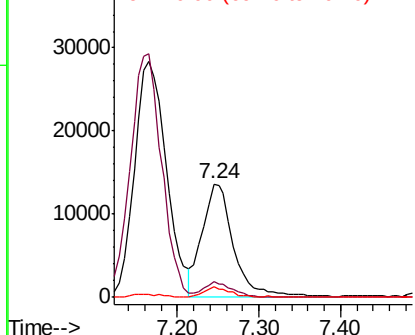
#37
Ethyl Acetate
Concen: 19.297 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 36240
Ion Ratio Lower Upper
43 100
61 12.0 9.2 13.8
70 7.9 6.9 10.3

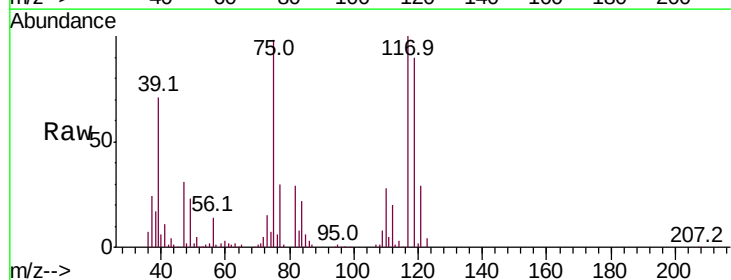


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

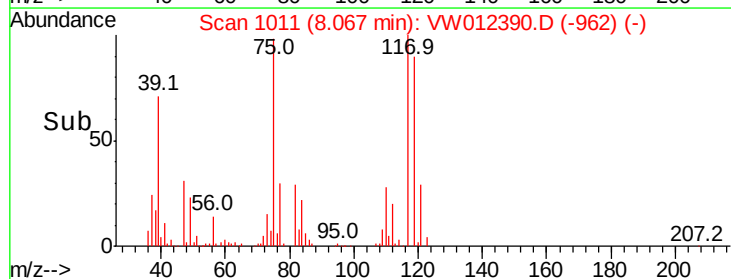
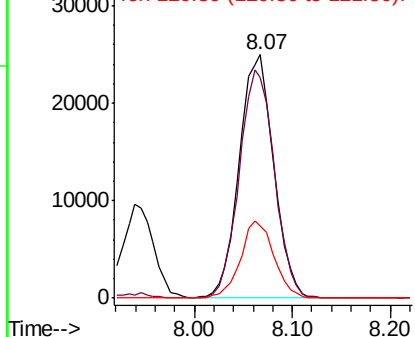


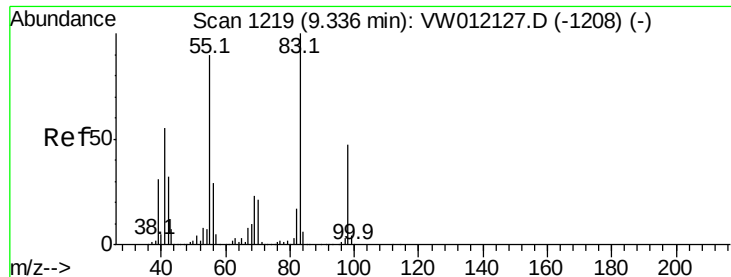
#38
Carbon Tetrachloride
Concen: 20.632 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion: 117 Resp: 61199
Ion Ratio Lower Upper
117 100
119 90.4 76.2 114.2
121 29.4 23.8 35.8



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

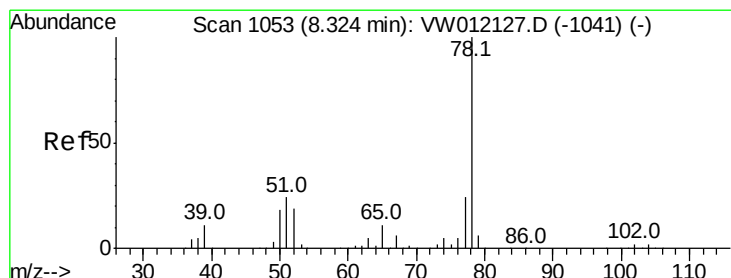
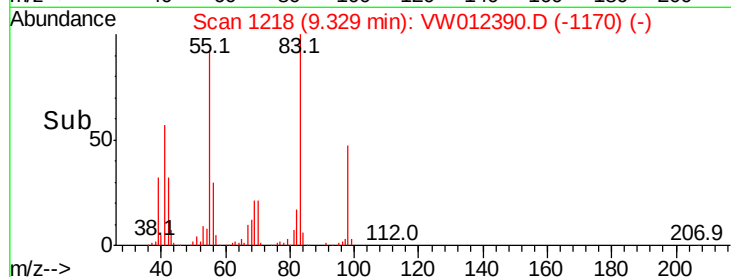
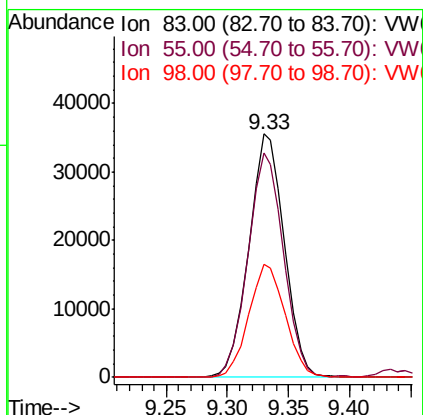
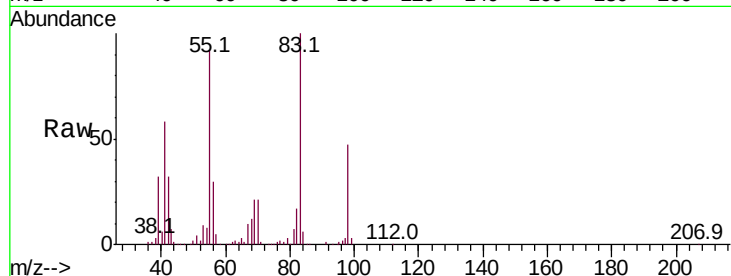




#39
Methylvlcyclohexane
Concen: 18.622 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

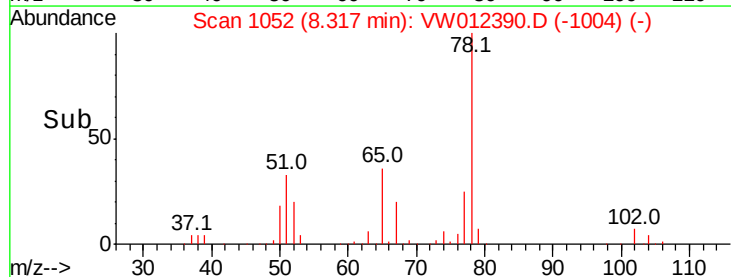
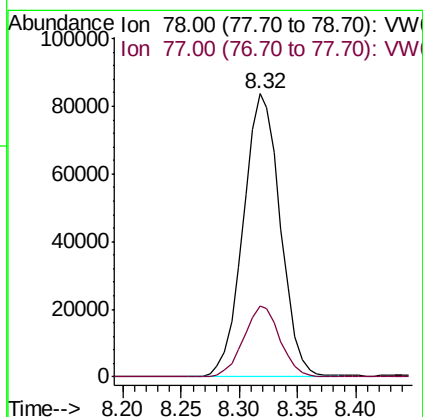
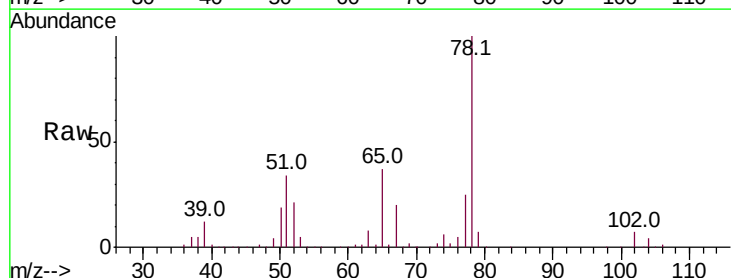
Instrument :
MSVOA_W
ClientSampleId :

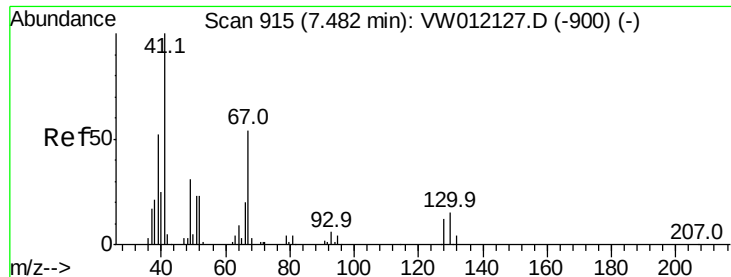
Tot Ion: 83 Resp: 71694
Ion Ratio Lower Upper
83 100
55 92.0 71.8 107.8
98 46.7 37.8 56.8



#40
Benzene
Concen: 19.876 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion: 78 Resp: 185995
Ion Ratio Lower Upper
78 100
77 25.1 19.5 29.3

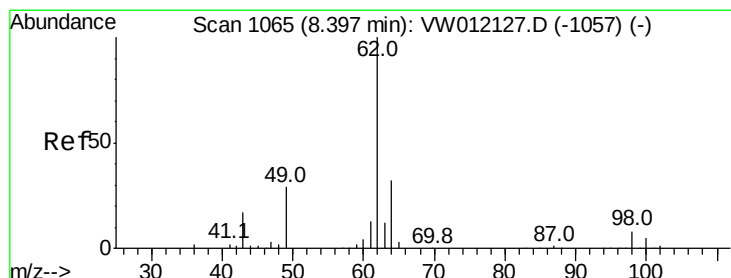
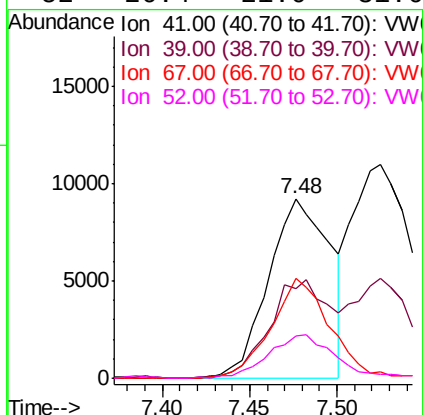
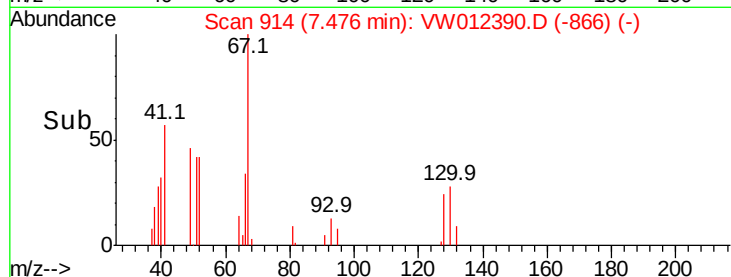
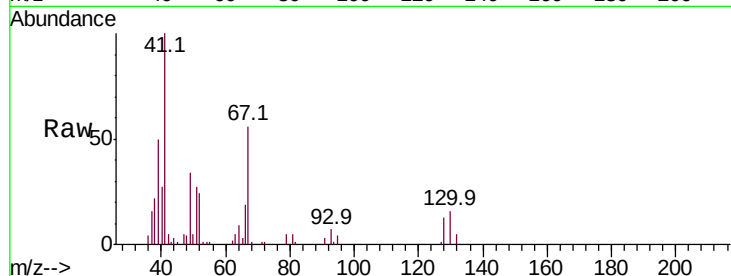




#41
Methacrylonitrile
Concen: 20.508 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

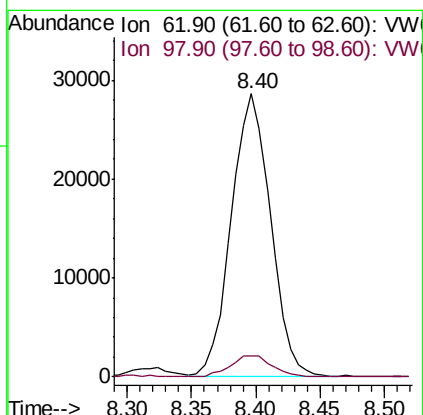
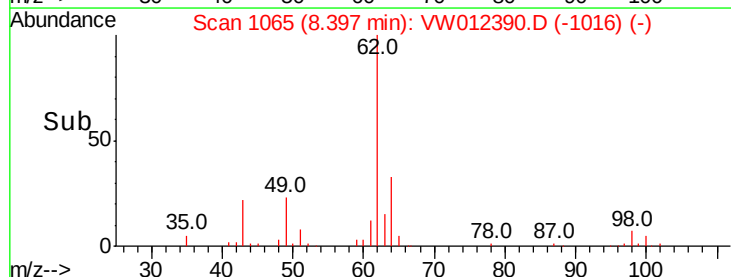
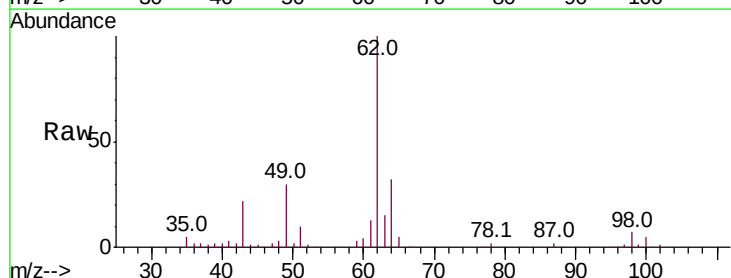
Instrument :
MSVOA_W
ClientSampled :

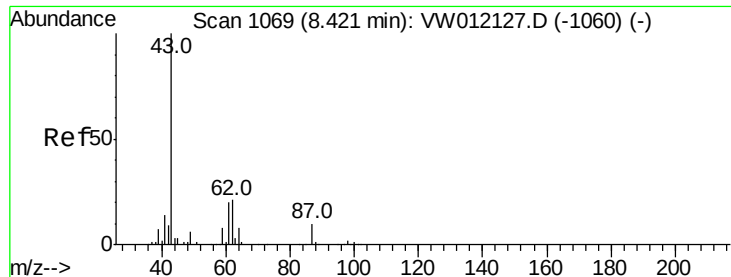
Tot Ion:	41	Resp:	22636
Ion	Ratio	Lower	Upper
41	100		
39	54.0	45.8	68.8
67	54.1	46.2	69.4
52	26.4	21.0	31.6



#42
1,2-Dichloroethane
Concen: 20.633 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion:	62	Resp:	60514
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 18.773 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

ClientSampleId :

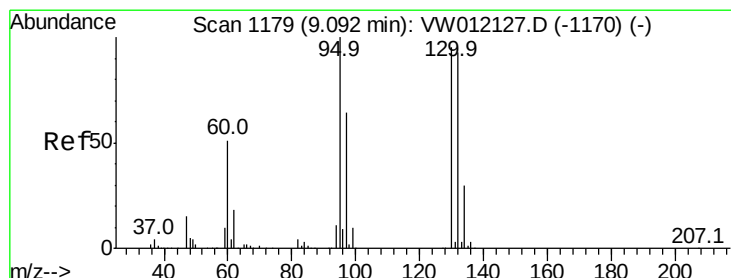
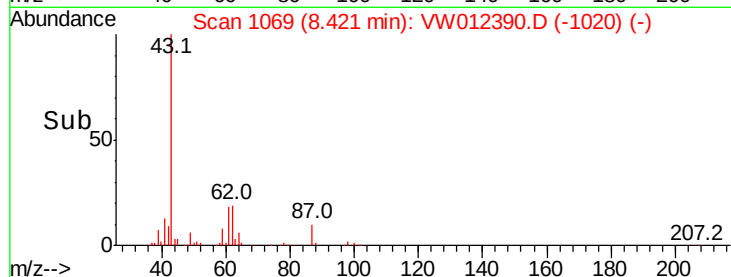
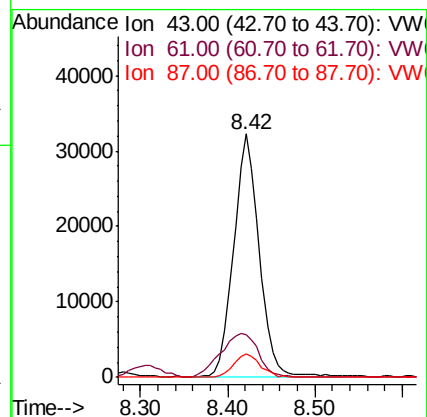
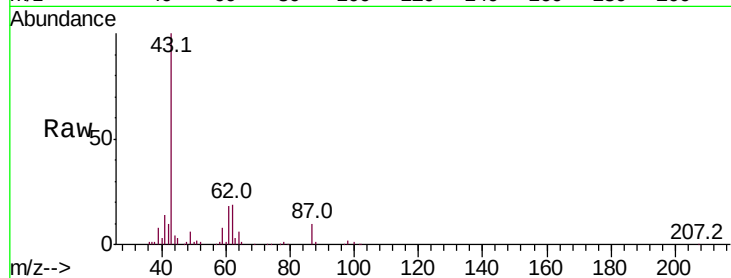
Tot Ion: 43 Resp: 65303

Ion Ratio Lower Upper

43 100

61 26.8 21.1 31.7

87 10.2 8.2 12.2



#44

Trichloroethene

Concen: 19.836 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012390.D

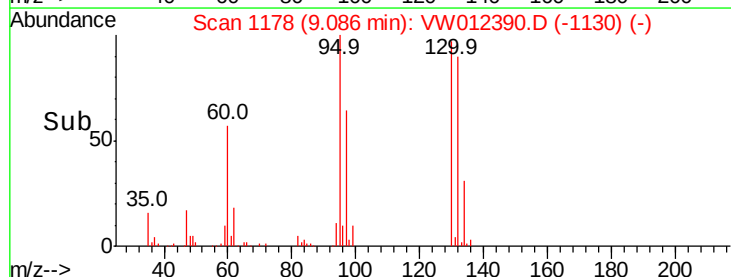
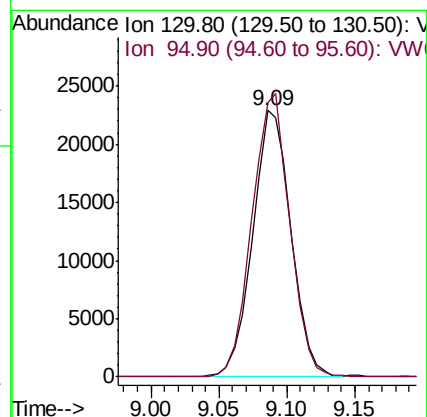
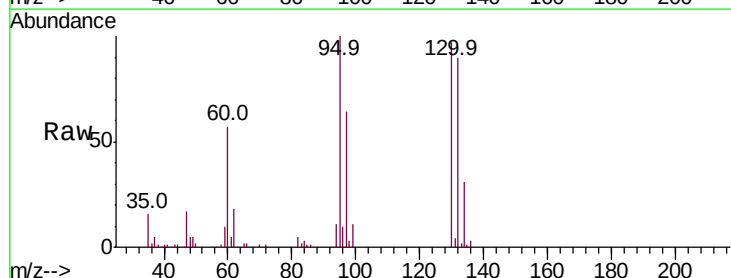
Acq: 31 Aug 2019 10:51

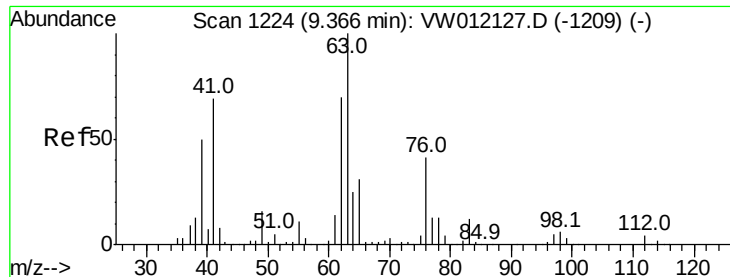
Tgt Ion:130 Resp: 45124

Ion Ratio Lower Upper

130 100

95 103.0 0.0 210.6

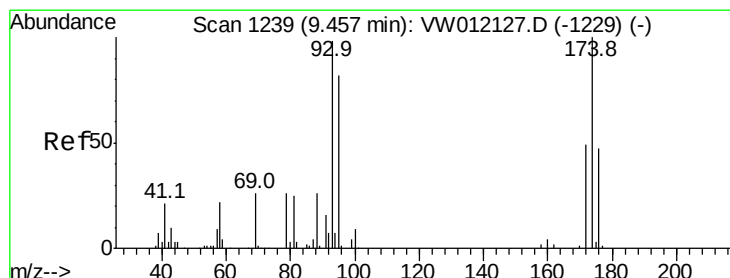
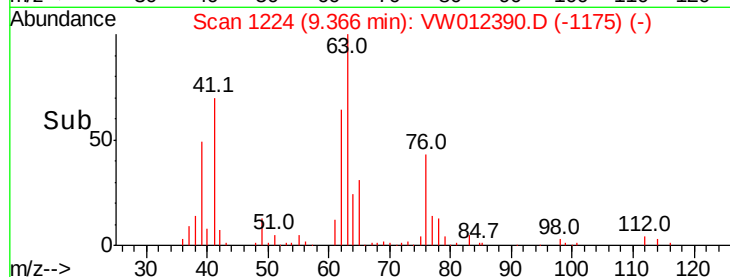
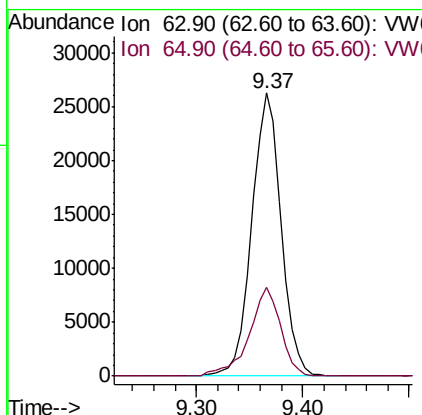
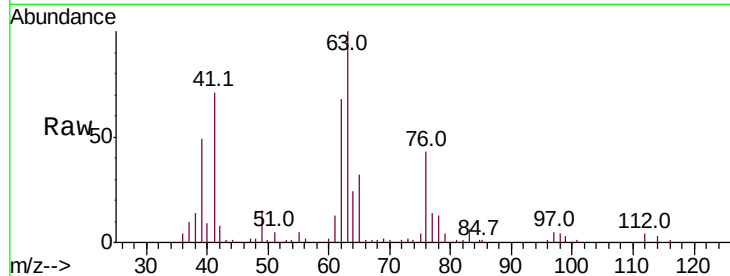




#45
 1,2-Dichloropropane
 Concen: 20.166 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

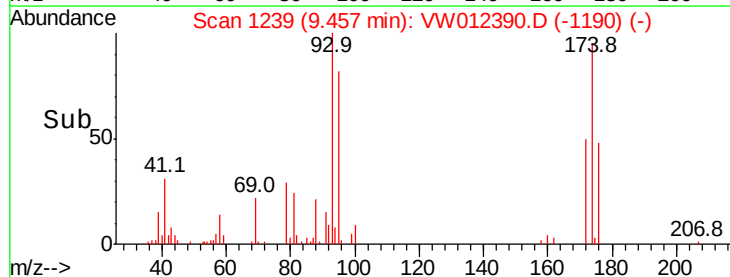
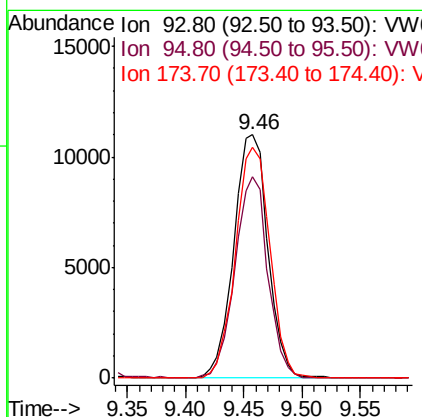
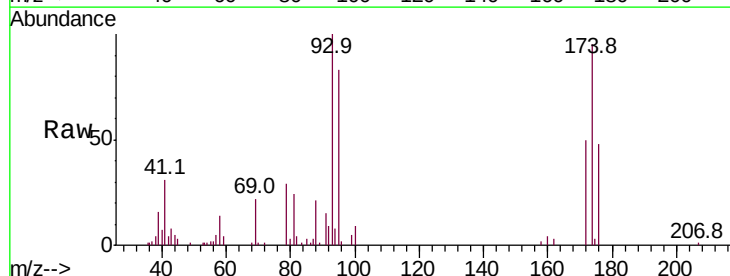
Instrument :
 MSVOA_W
 ClientSampled :

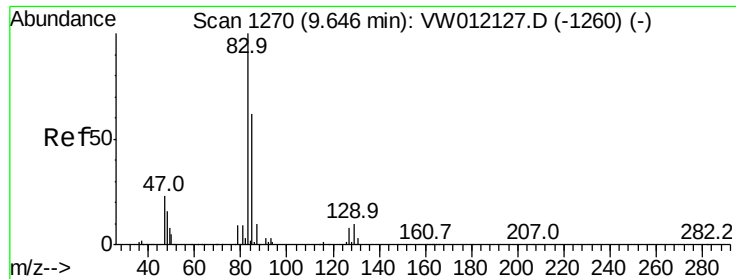
Tot Ion: 63 Resp: 50787
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.4



#46
 Dibromomethane
 Concen: 20.099 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion: 93 Resp: 22522
 Ion Ratio Lower Upper
 93 100
 95 79.3 67.2 100.8
 174 95.5 79.0 118.6





#47

Bromodichloromethane

Concen: 19.728 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

ClientSampleId :

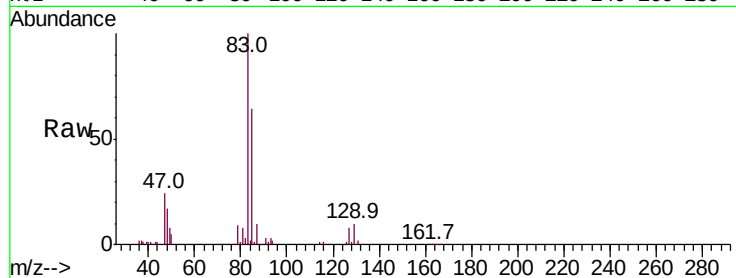
Tot Ion: 83 Resp: 58835

Ion Ratio Lower Upper

83 100

85 64.4 49.4 74.2

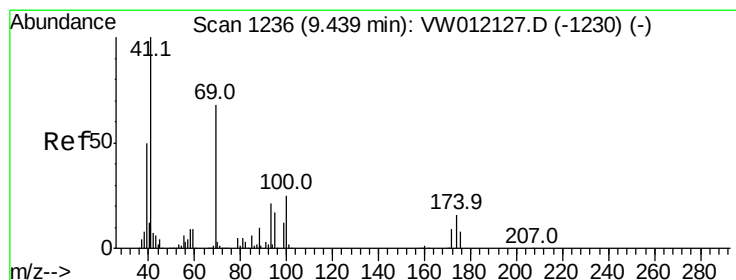
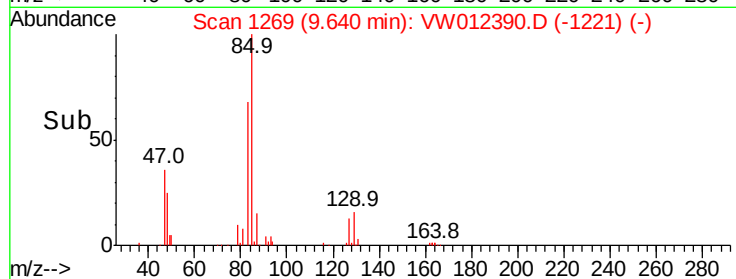
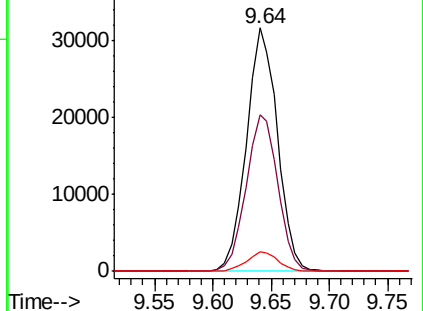
127 8.2 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 18.731 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

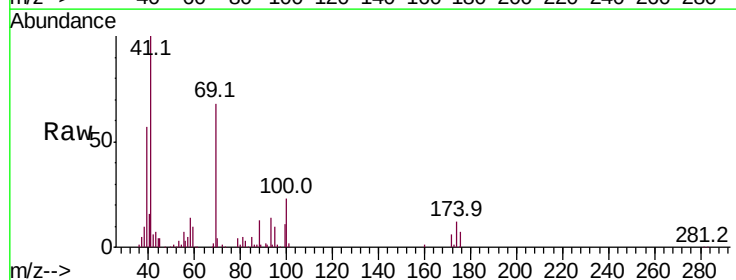
Tgt Ion: 41 Resp: 31012

Ion Ratio Lower Upper

41 100

69 71.0 56.7 85.1

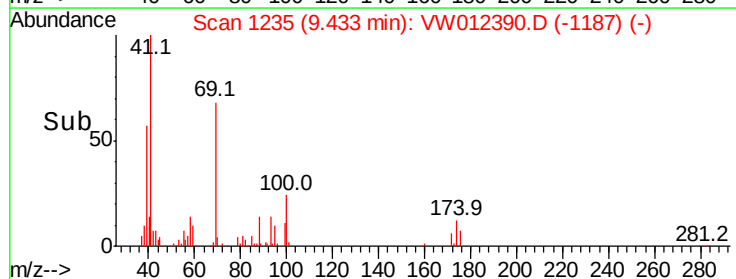
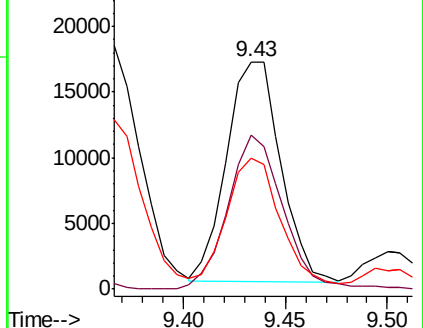
39 55.3 42.0 63.0

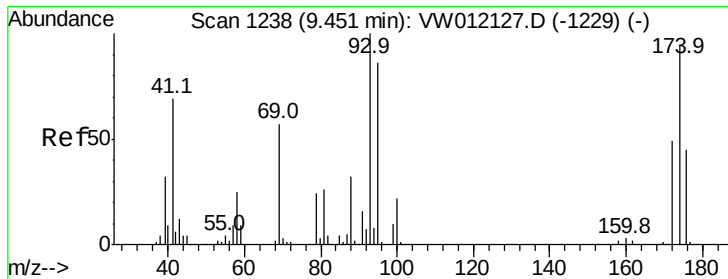


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

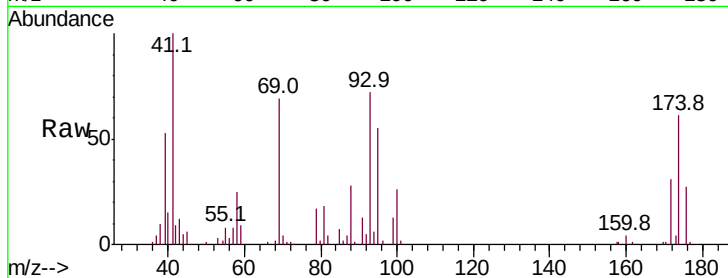




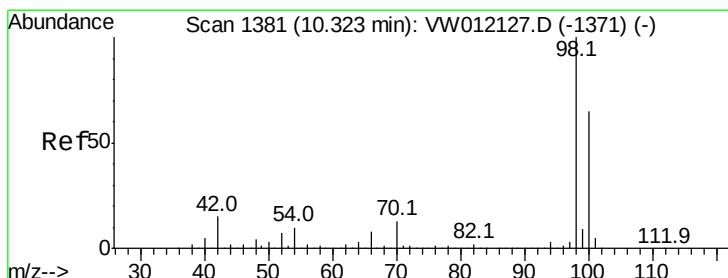
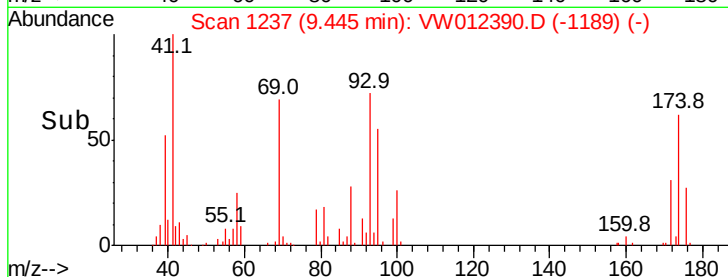
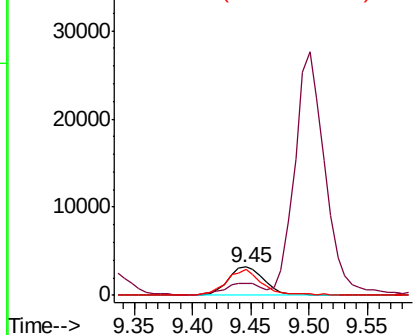
#49
 1,4-Dioxane
 Concen: 409.987 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 88 Resp: 7033
 Ion Ratio Lower Upper
 88 100
 43 45.1 32.9 49.3
 58 90.7 71.0 106.4

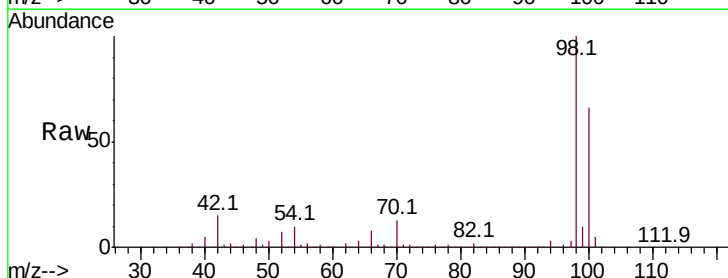


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

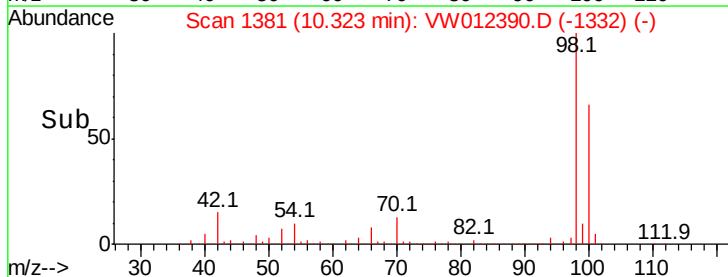
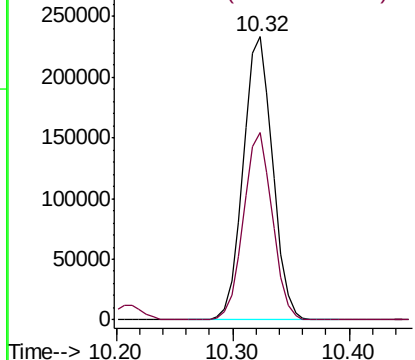


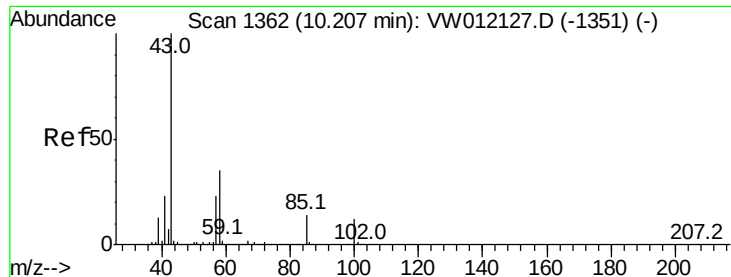
#50
 Toluene-d8
 Concen: 51.248 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion: 98 Resp: 411337
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.4 78.6



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: 97.333 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

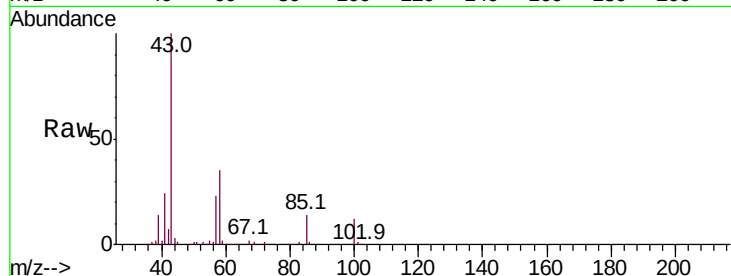
ClientSampled :

Tot Ion: 43 Resp: 172213

Ion Ratio Lower Upper

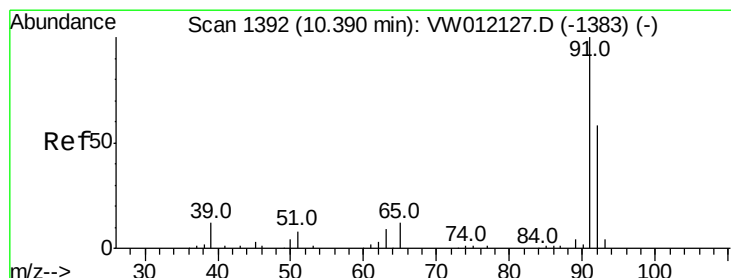
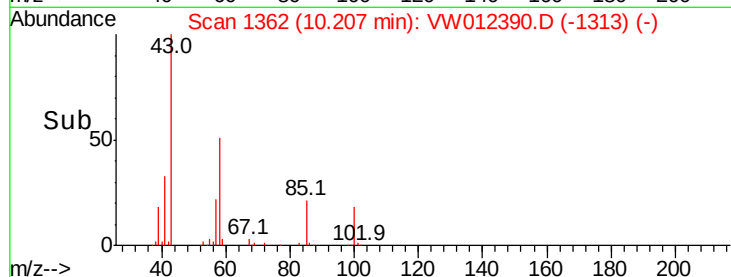
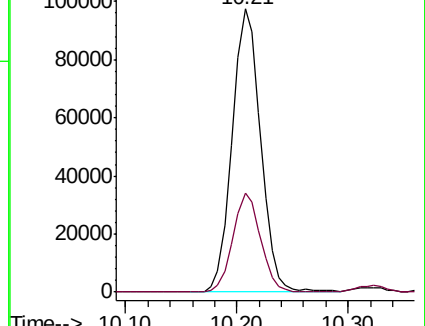
43 100

58 34.3 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.216 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012390.D

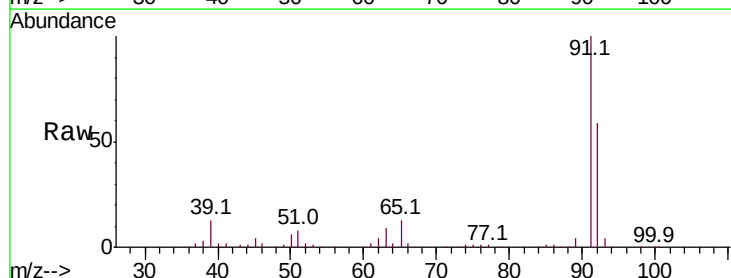
Acq: 31 Aug 2019 10:51

Tgt Ion: 92 Resp: 113649

Ion Ratio Lower Upper

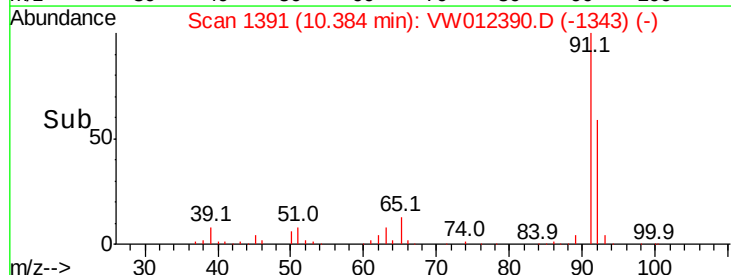
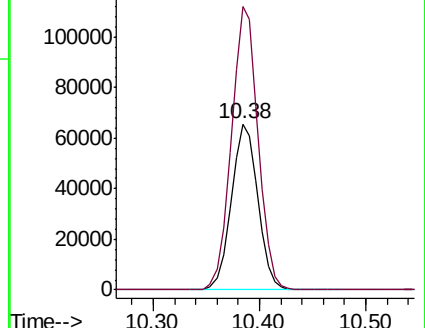
92 100

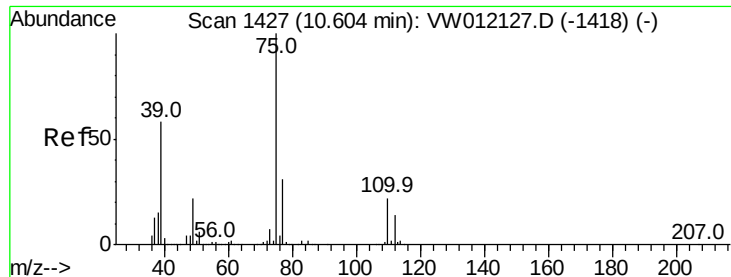
91 172.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.762 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

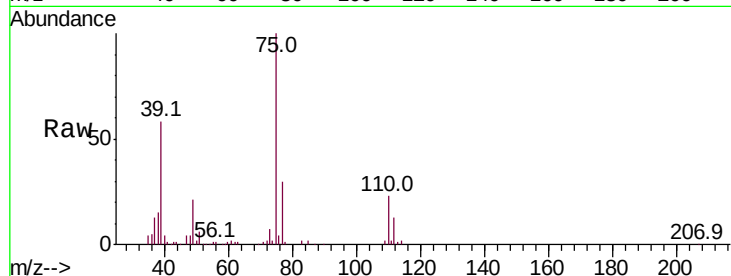
ClientSampleId :

Tot Ion: 75 Resp: 60032

Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

40000

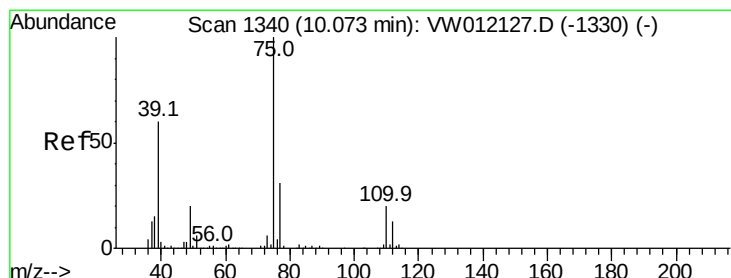
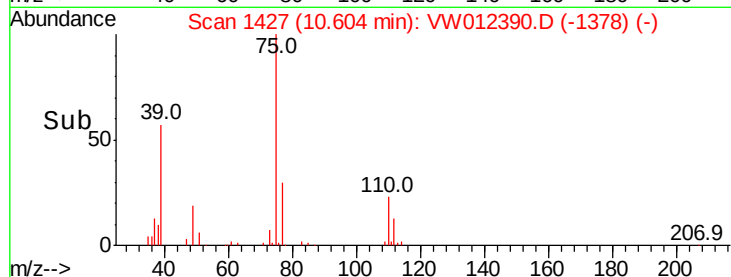
30000

20000

10000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 19.368 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

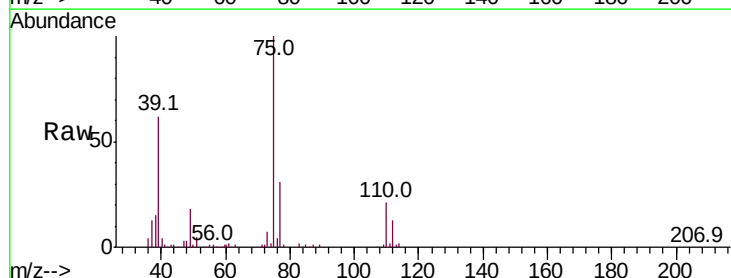
Tgt Ion: 75 Resp: 71041

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7

39 62.0 48.3 72.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

50000

40000

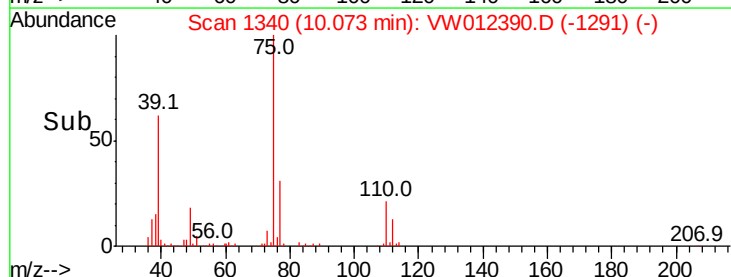
30000

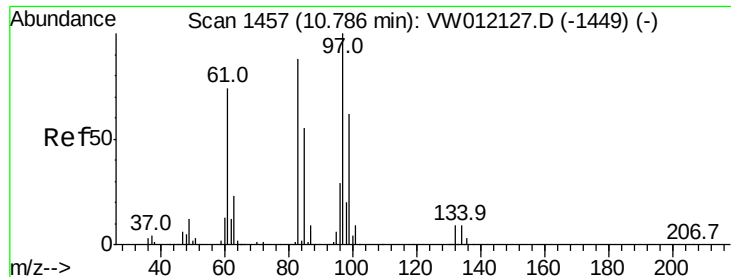
20000

10000

0

Time--> 10.00 10.10



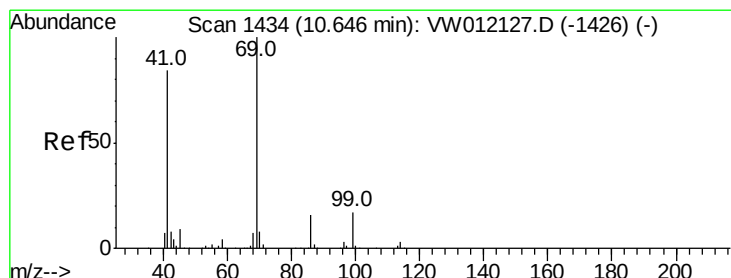
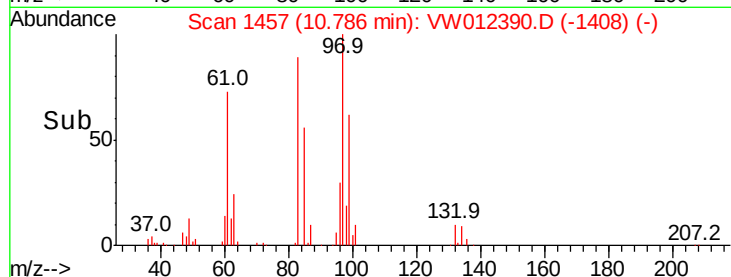
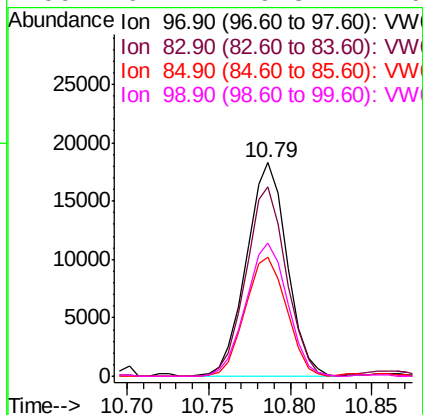
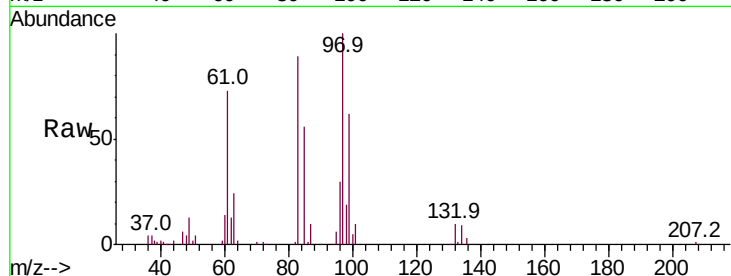


#55
 1,1,2-Trichloroethane
 Concen: 19.967 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 97 Resp: 31656

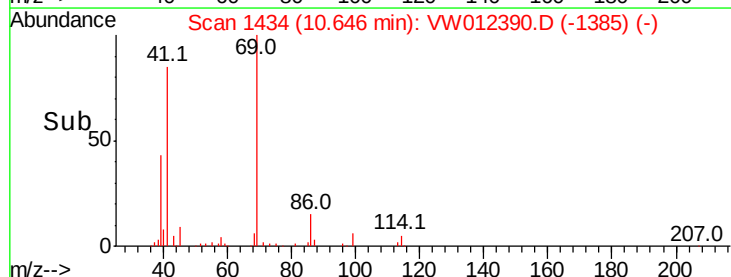
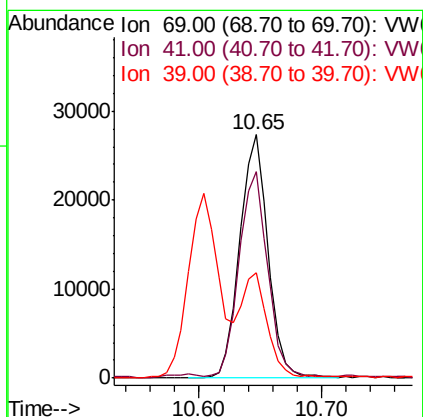
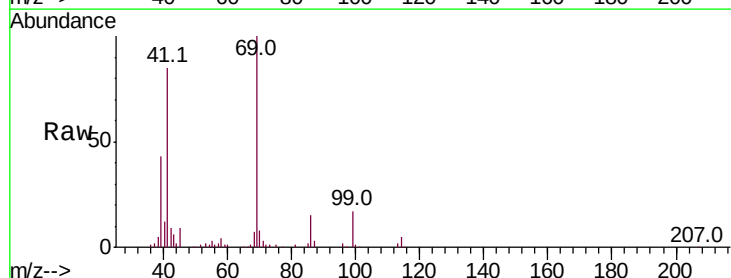
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.8	106.2
85	55.9	43.8	65.8
99	62.1	49.8	74.6

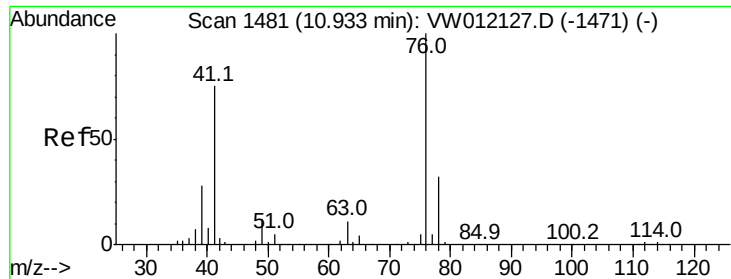


#56
 Ethyl methacrylate
 Concen: 18.973 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion: 69 Resp: 43778

Ion	Ratio	Lower	Upper
69	100		
41	84.6	66.5	99.7
39	38.6	31.0	46.4





#57

1,3-Dichloropropane

Concen: 19.981 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

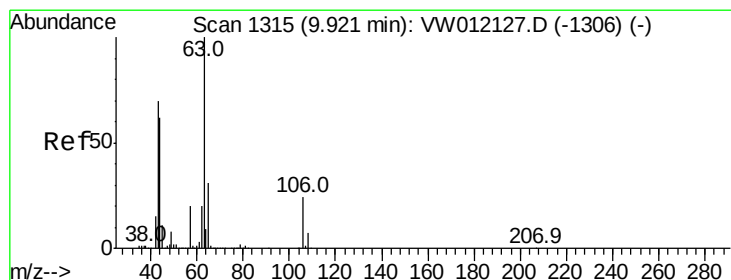
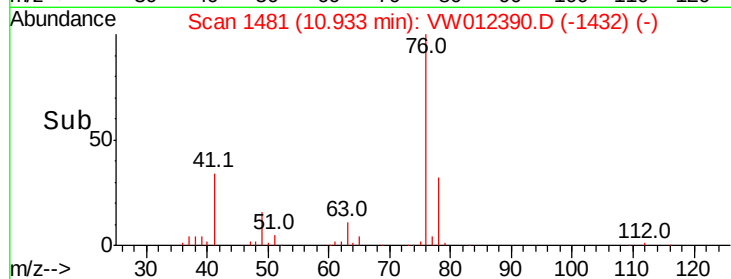
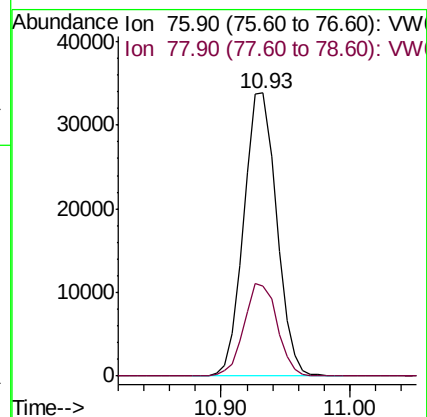
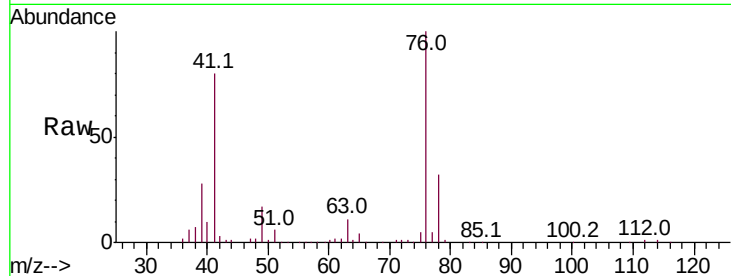
ClientSampleId :

Tot Ion: 76 Resp: 59865

Ion Ratio Lower Upper

76 100

78 33.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 111.310 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW012390.D

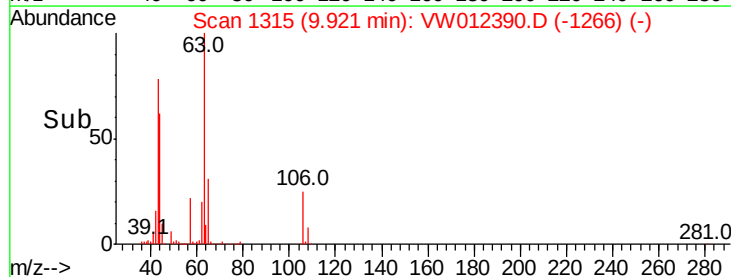
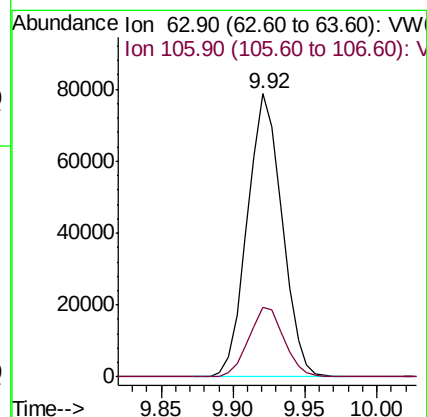
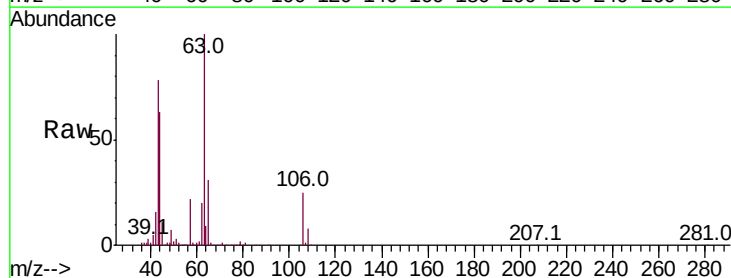
Acq: 31 Aug 2019 10:51

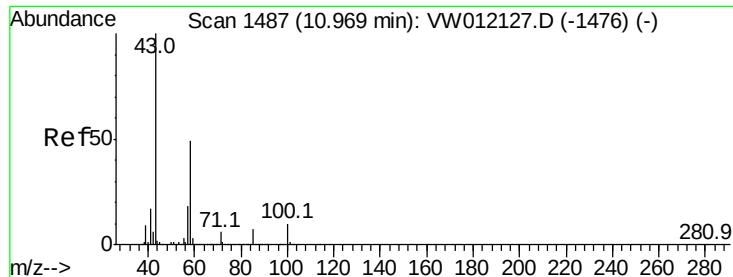
Tgt Ion: 63 Resp: 131816

Ion Ratio Lower Upper

63 100

106 24.9 19.8 29.8





#59

2-Hexanone

Concen: 93.480 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

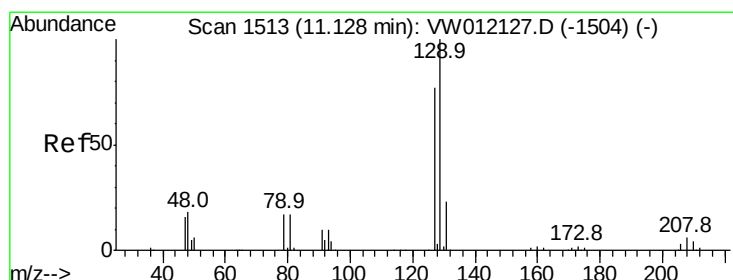
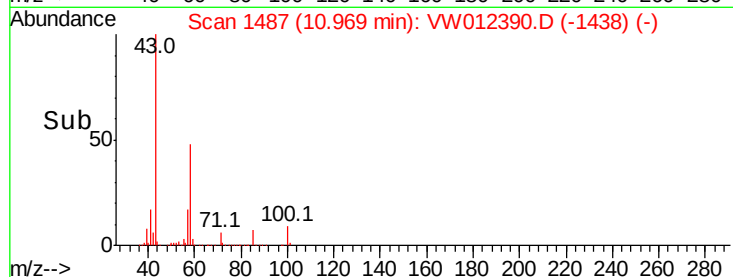
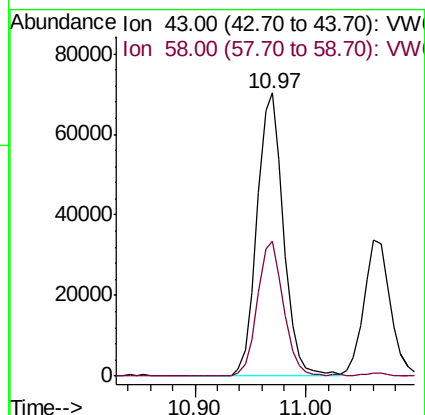
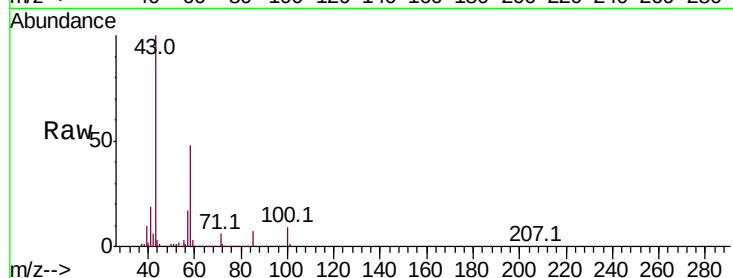
ClientSampled :

Tot Ion: 43 Resp: 117028

Ion Ratio Lower Upper

43 100

58 47.2 24.3 72.9



#60

Dibromochloromethane

Concen: 19.599 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW012390.D

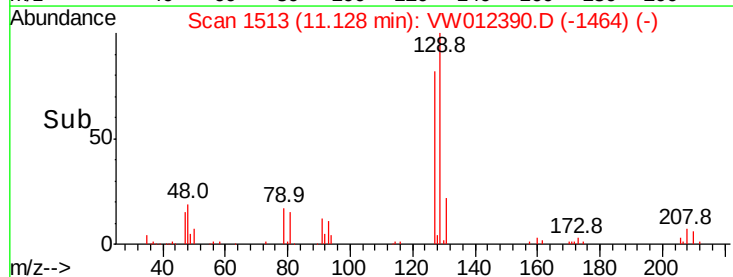
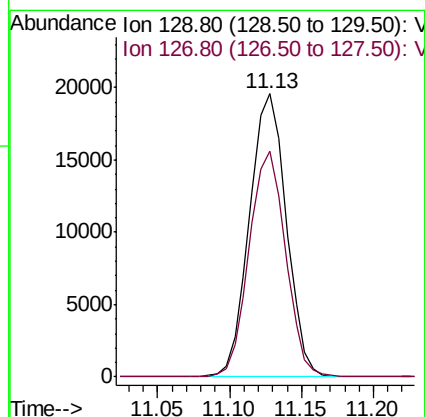
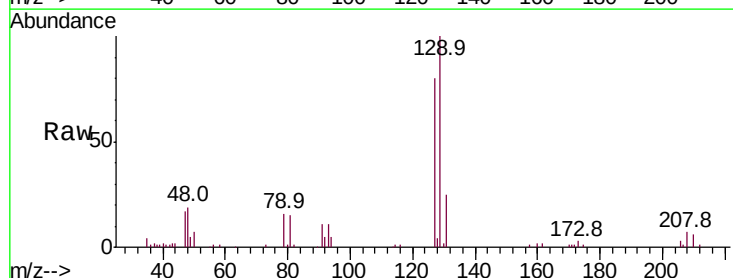
Acq: 31 Aug 2019 10:51

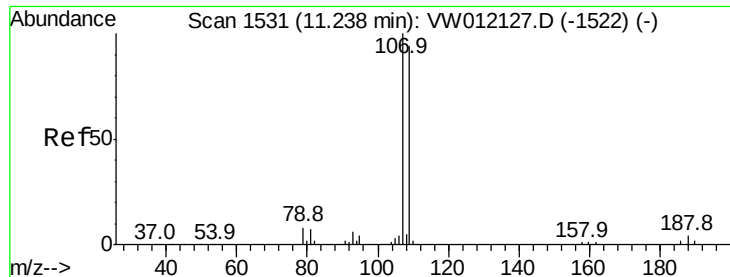
Tgt Ion: 129 Resp: 34609

Ion Ratio Lower Upper

129 100

127 78.9 38.6 115.8

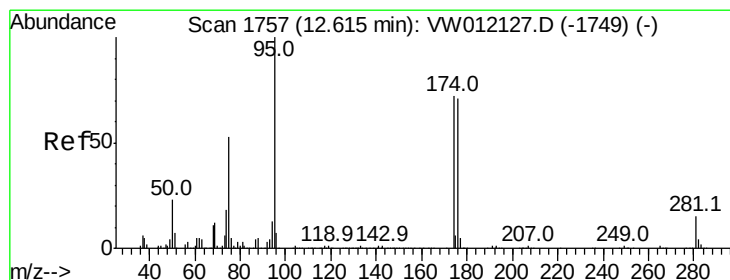
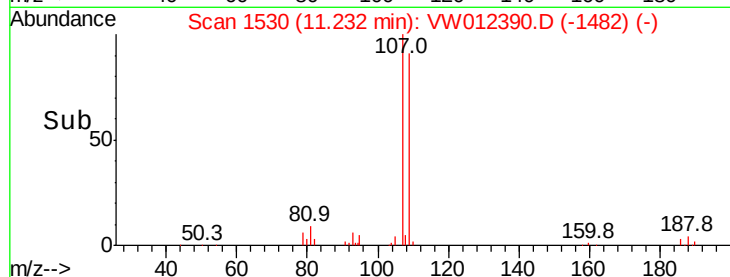
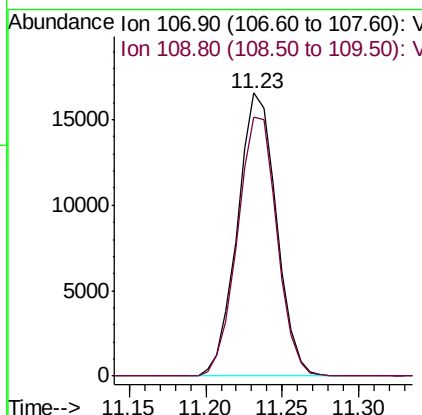
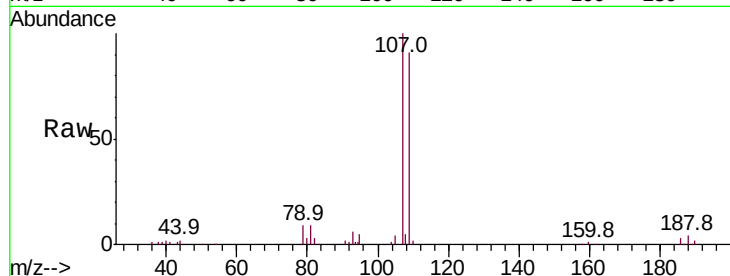




#61
 1,2-Dibromoethane
 Concen: 19.857 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

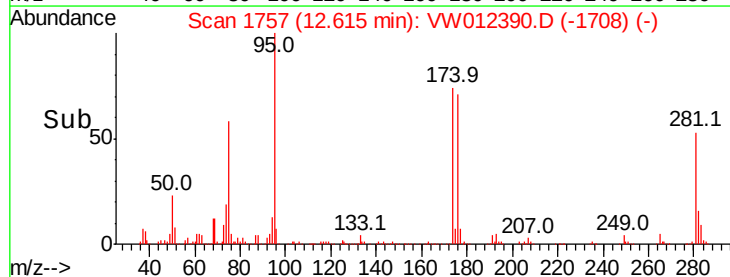
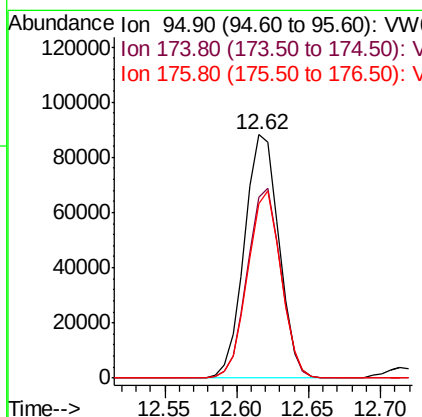
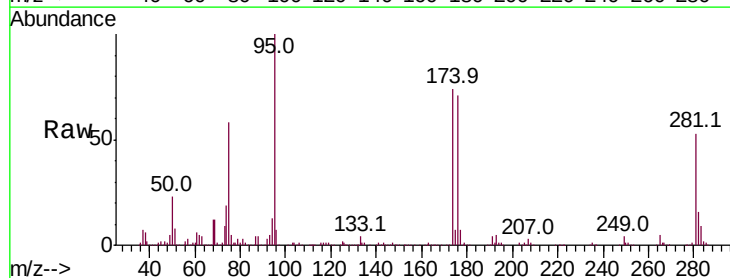
Instrument :
 MSVOA_W
 ClientSampleId :

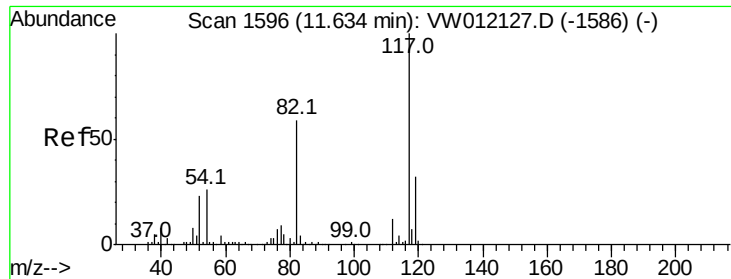
Tot Ion:107 Resp: 29329
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.619 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion: 95 Resp: 146045
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 150.8
 176 74.2 0.0 148.6

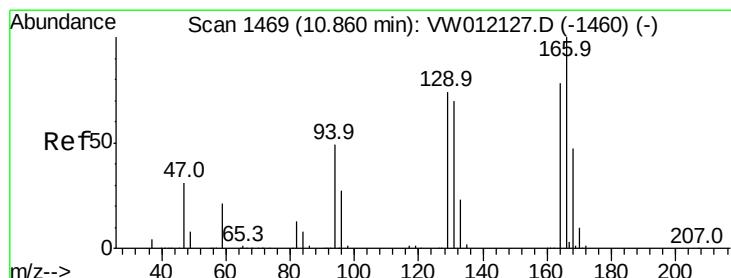
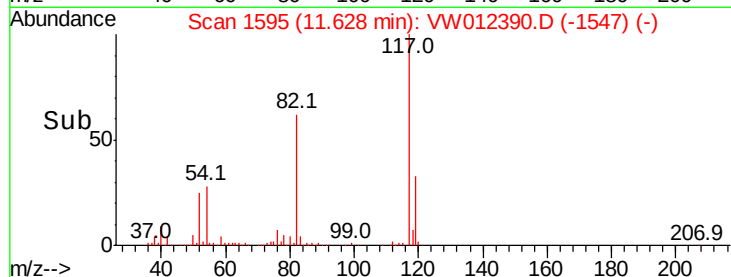
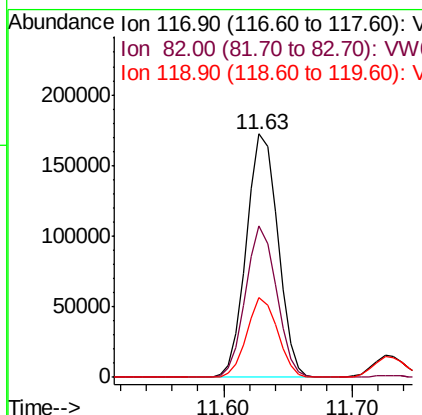
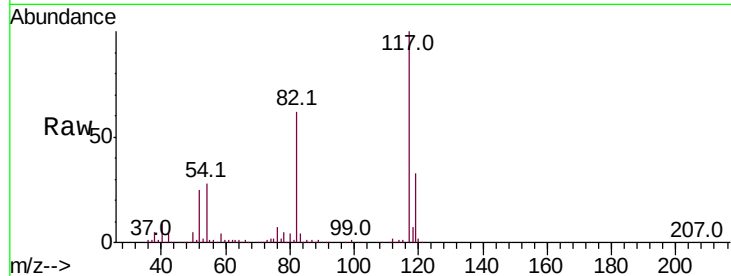




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

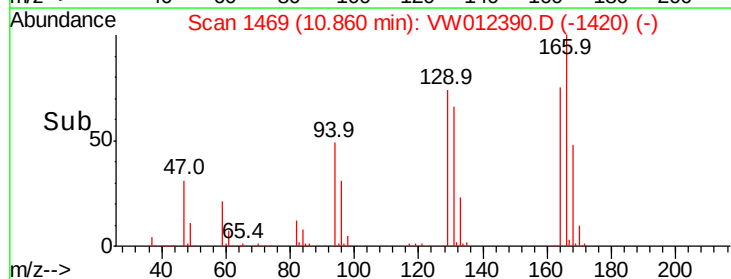
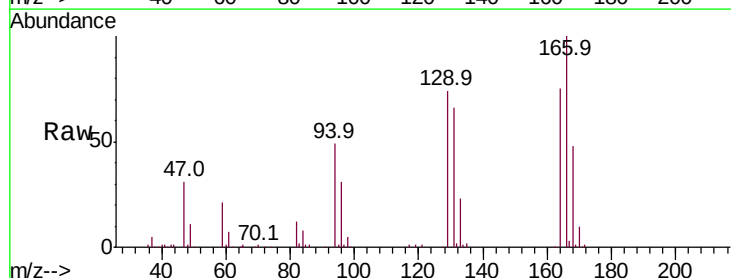
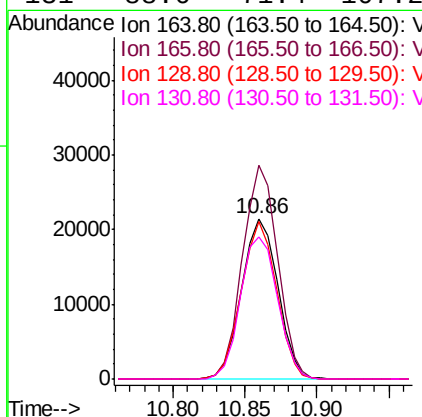
Instrument :
MSVOA_W
ClientSampleId :

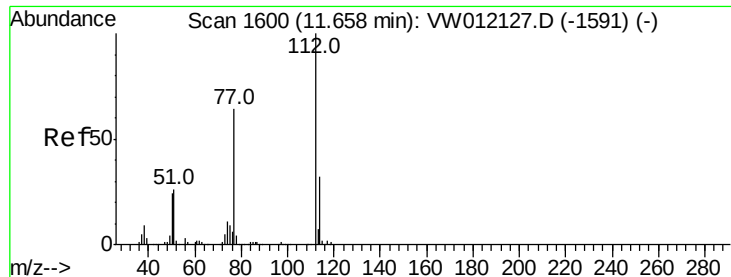
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.2	47.4	71.2
119	32.5	25.4	38.2



#64
Tetrachloroethene
Concen: 19.817 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.2	102.4	153.6
129	98.2	75.8	113.6
131	88.6	71.4	107.2

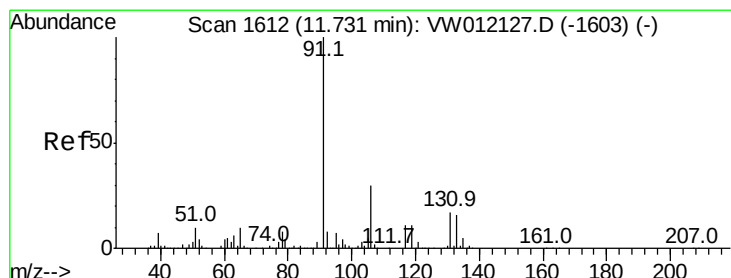
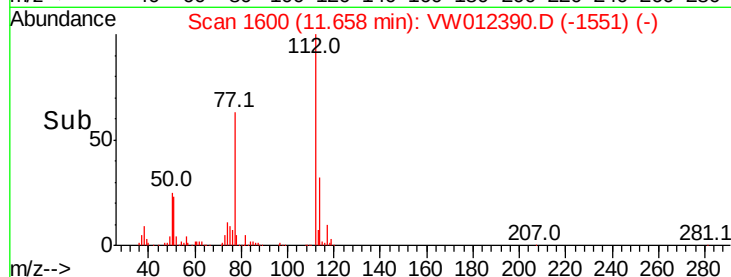
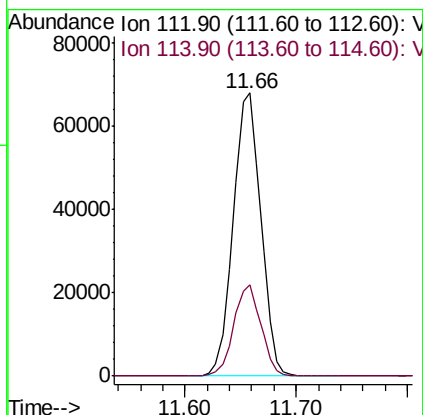
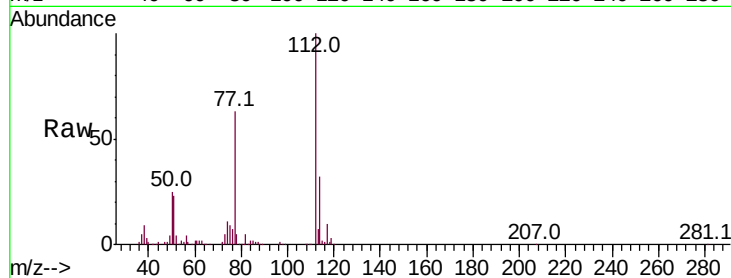




#65
Chlorobenzene
Concen: 20.285 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

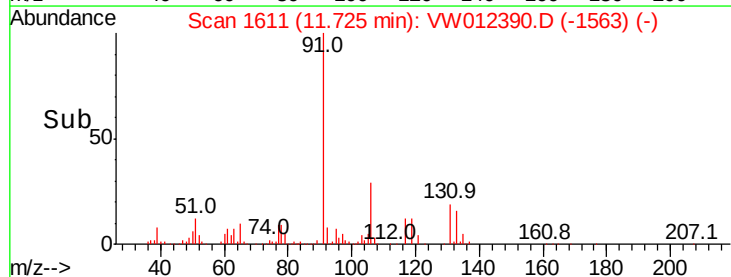
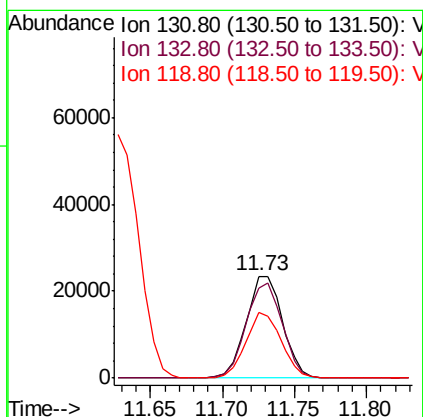
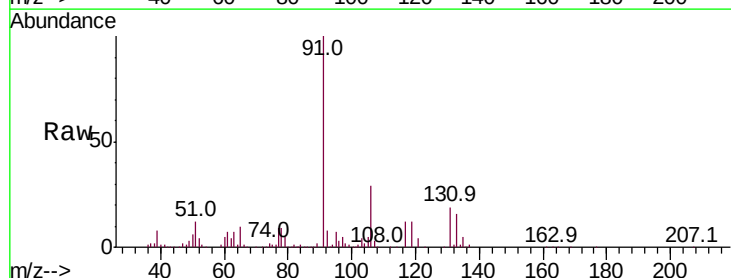
Instrument :
MSVOA_W
ClientSampleId :

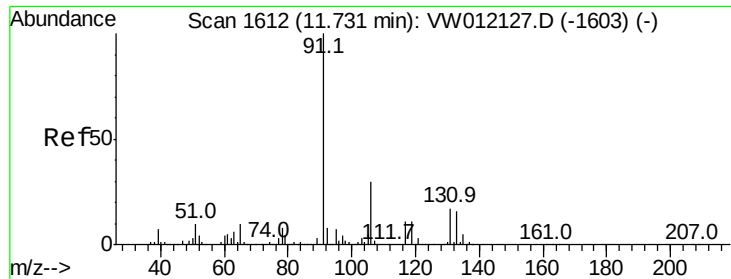
Tot Ion:112 Resp: 116592
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.338 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion:131 Resp: 40779
Ion Ratio Lower Upper
131 100
133 93.2 47.1 141.3
119 63.1 31.8 95.3

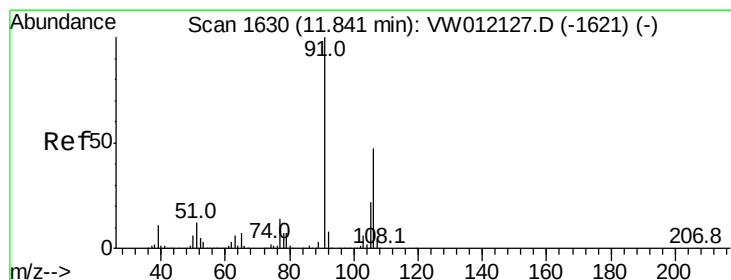
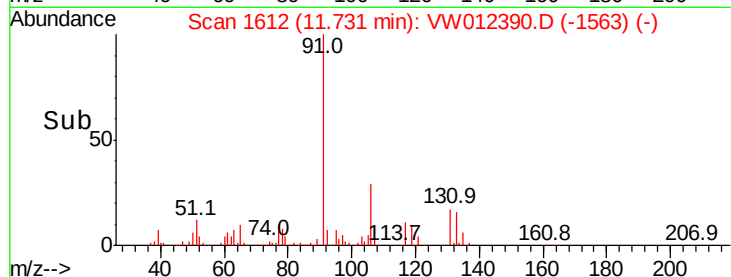
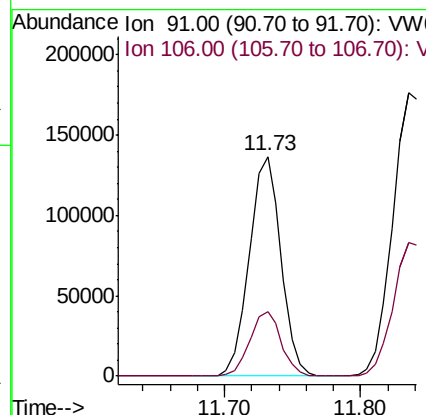
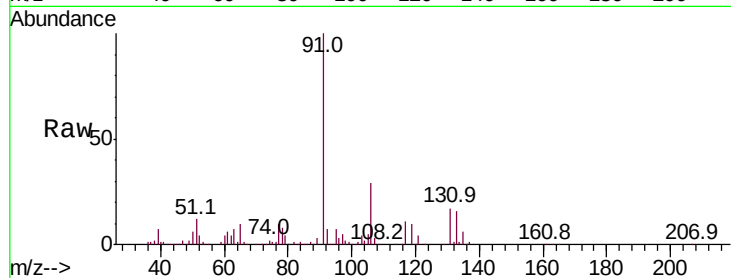




#67
Ethyl Benzene
Concen: 20.058 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

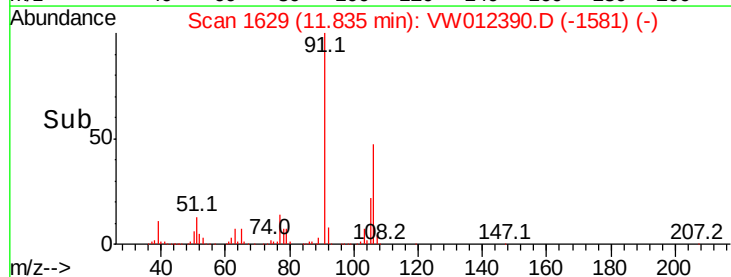
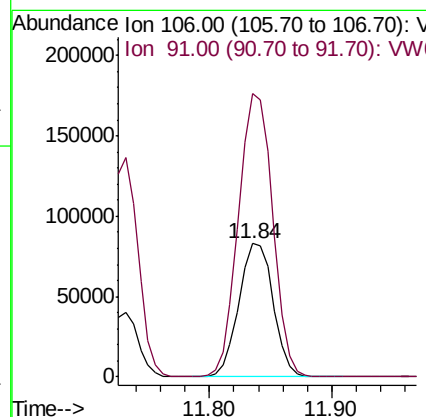
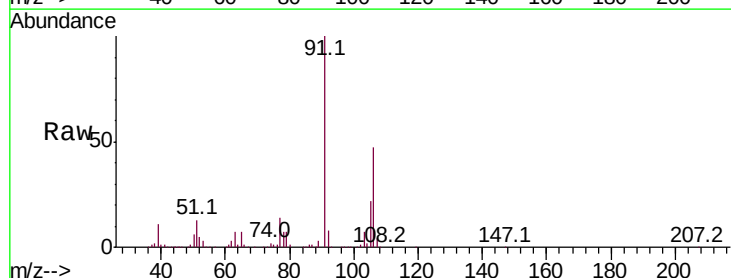
Instrument :
MSVOA_W
ClientSampleId :

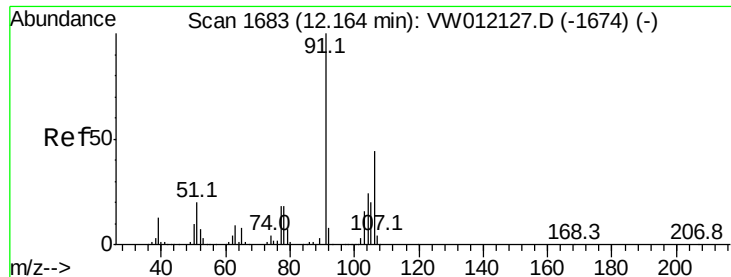
Tot Ion: 91 Resp: 222076
Ion Ratio Lower Upper
91 100
106 29.2 24.3 36.5



#68
m/p-Xylenes
Concen: 40.447 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion: 106 Resp: 161309
Ion Ratio Lower Upper
106 100
91 212.1 169.5 254.3

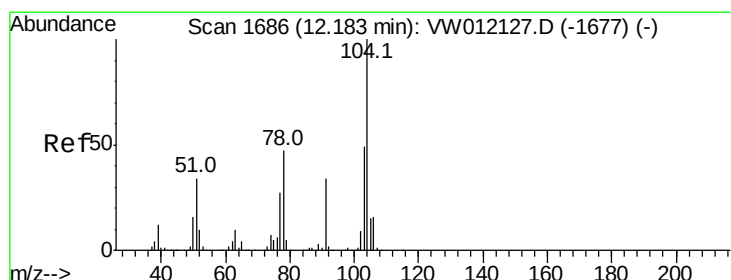
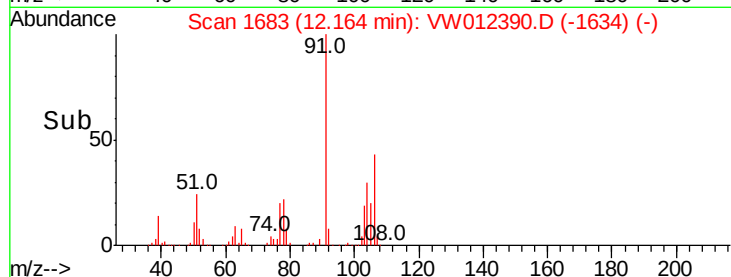
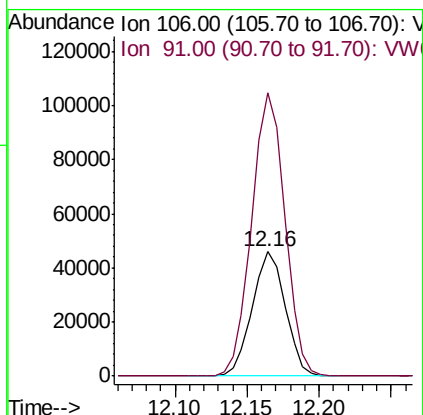
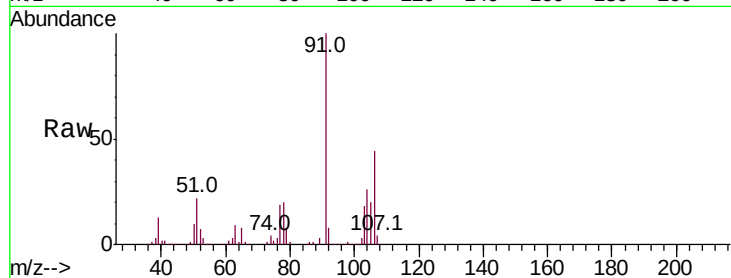




#69
o-Xylene
Concen: 19.824 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

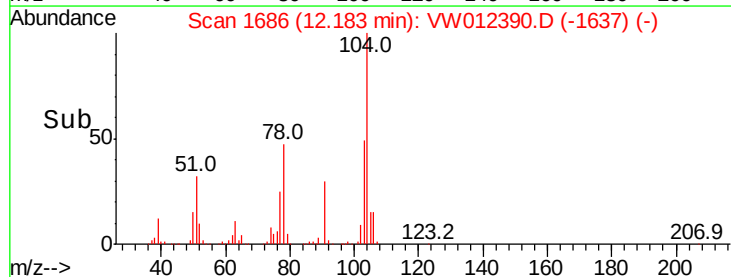
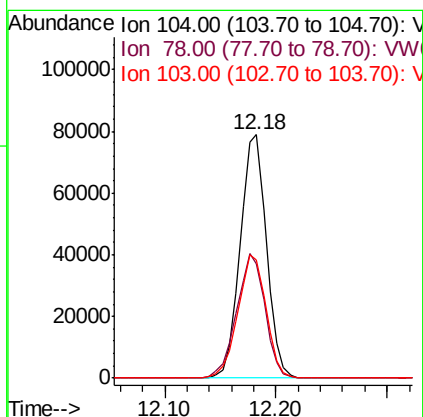
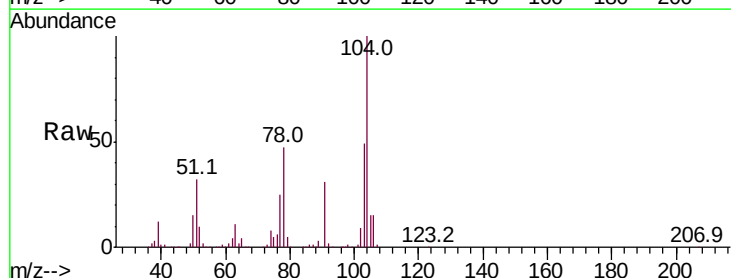
Instrument :
MSVOA_W
ClientSampled :

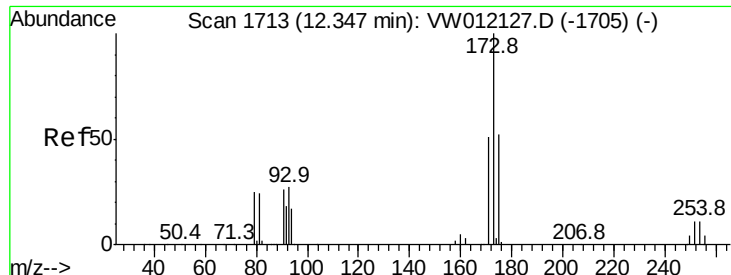
Tot Ion:106 Resp: 73174
Ion Ratio Lower Upper
106 100
91 228.4 111.6 334.6



#70
Styrene
Concen: 20.211 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion:104 Resp: 129127
Ion Ratio Lower Upper
104 100
78 55.1 43.1 64.7
103 54.3 43.5 65.3





#71

Bromoform

Concen: 19.361 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

ClientSampled :

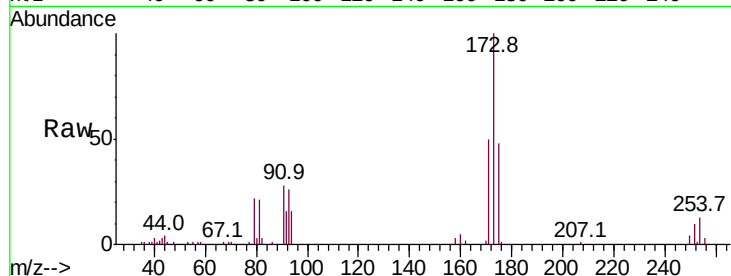
Tot Ion:173 Resp: 19342

Ion Ratio Lower Upper

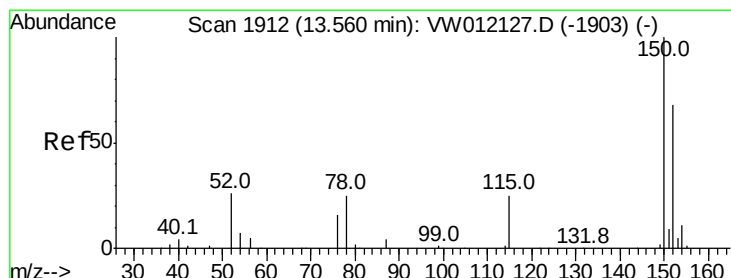
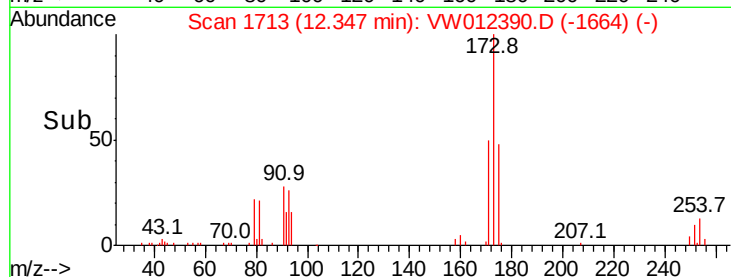
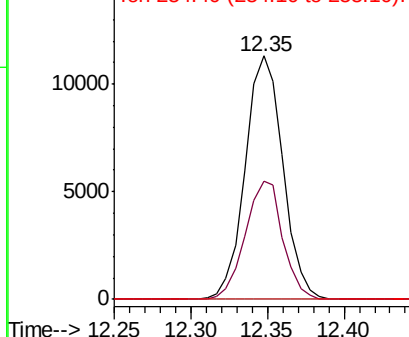
173 100

175 48.4 24.6 74.0

254 0.0 0.2 0.2#



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: VW012390.D

Acq: 31 Aug 2019 10:51

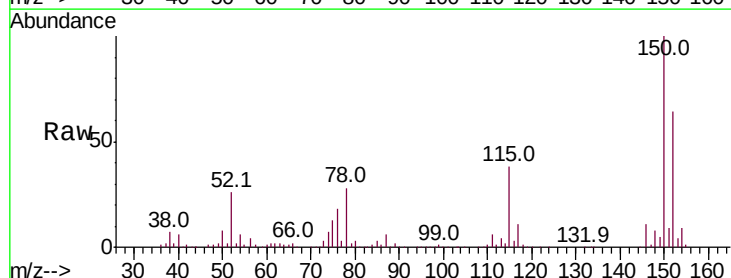
Tgt Ion:152 Resp: 144228

Ion Ratio Lower Upper

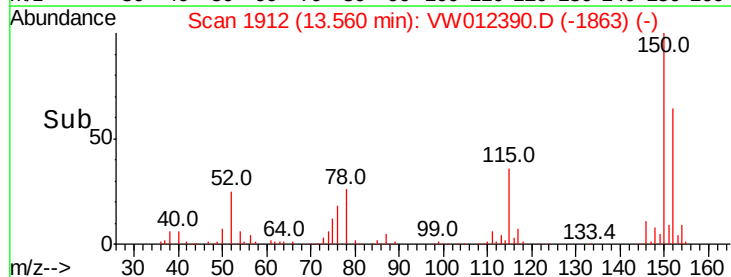
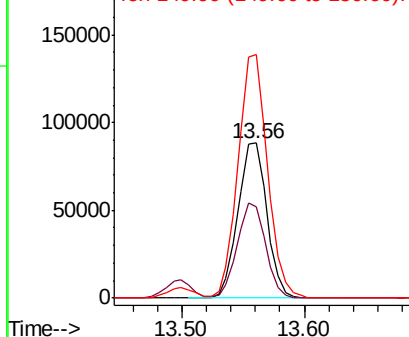
152 100

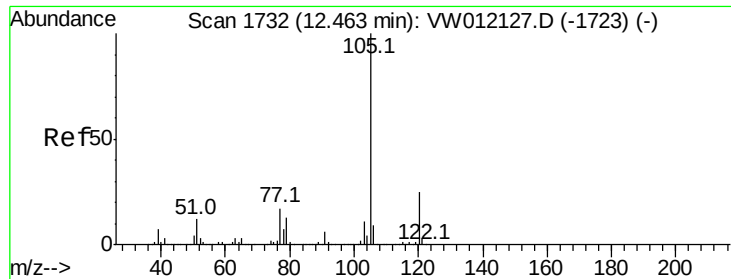
115 60.1 30.1 90.3

150 160.5 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.768 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

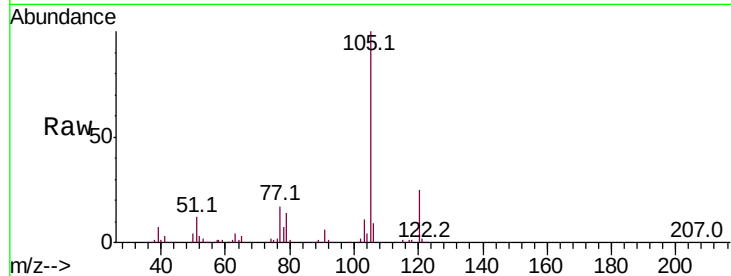
ClientSampleId :

Tot Ion:105 Resp: 213639

Ion Ratio Lower Upper

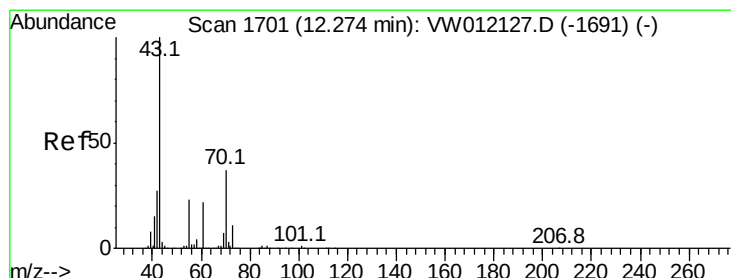
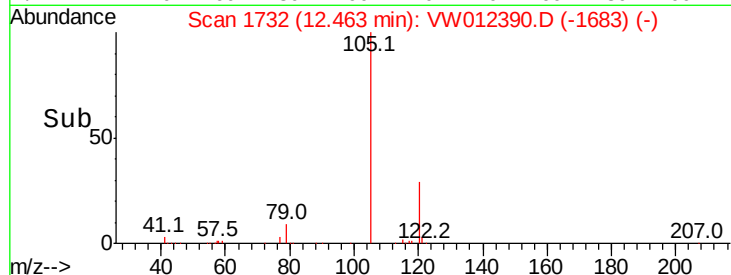
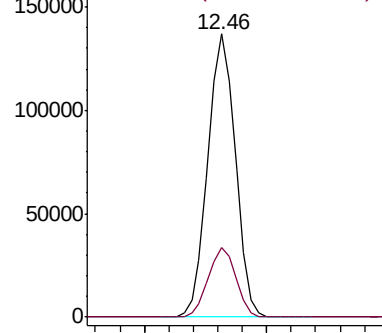
105 100

120 24.8 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.640 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Tgt Ion: 43 Resp: 60864

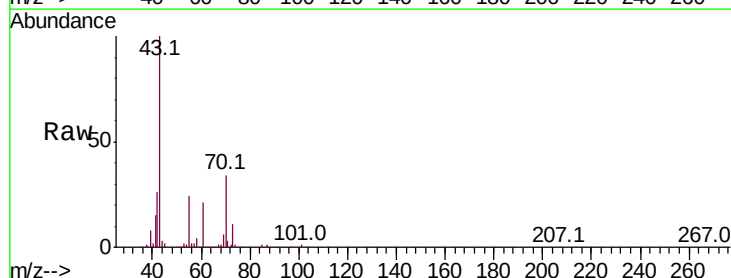
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 23.6 17.8 26.6

61 20.7 17.3 25.9

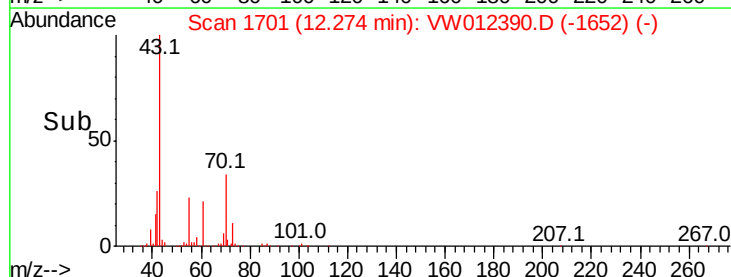
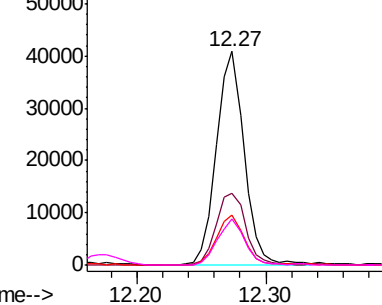


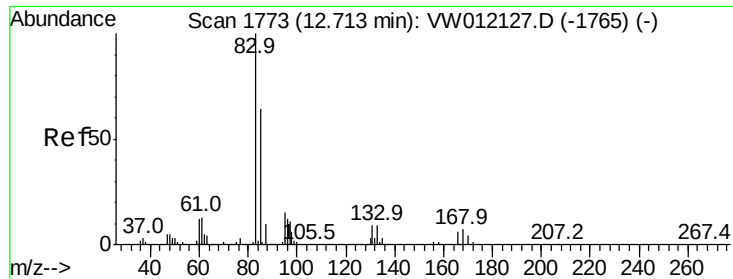
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 18.693 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

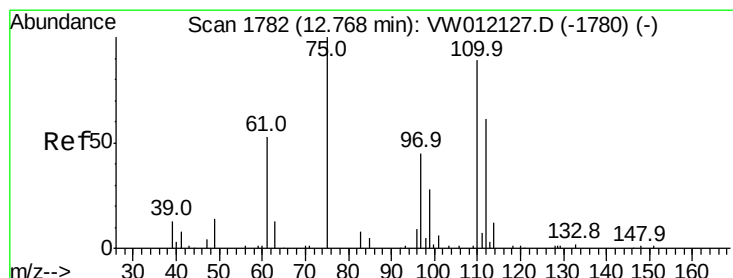
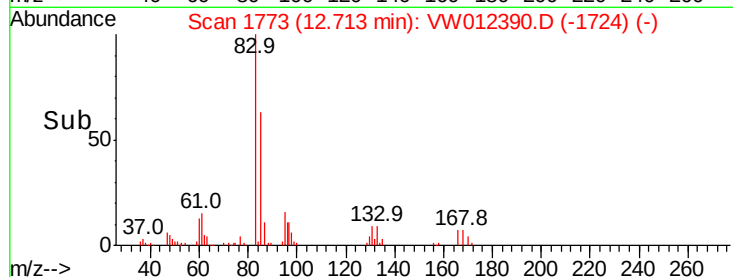
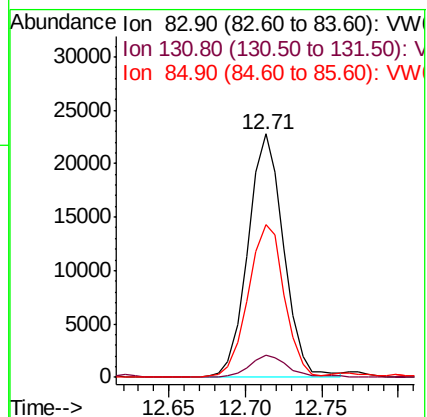
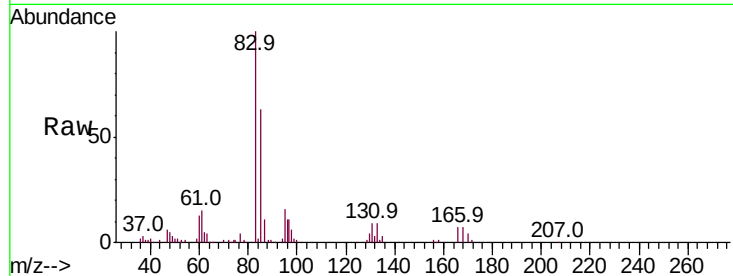
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 83 Resp: 37036

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	63.7	31.9	95.7



#76

1,2,3-Trichloropropane

Concen: 35.249 ug/l

RT: 12.77 min Scan# 1782

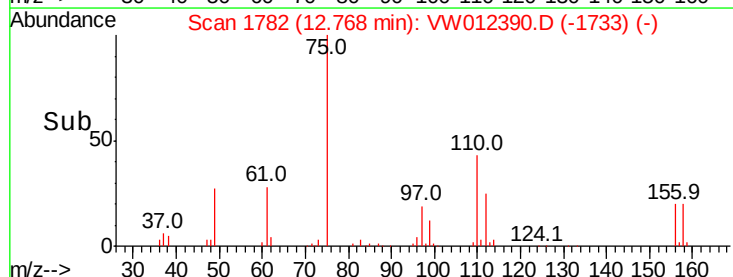
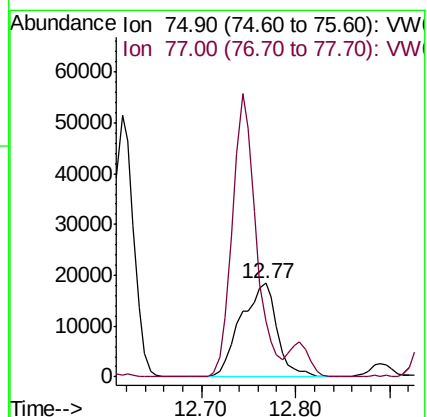
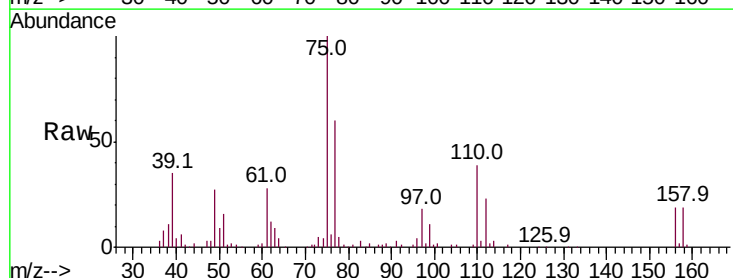
Delta R.T. 0.00 min

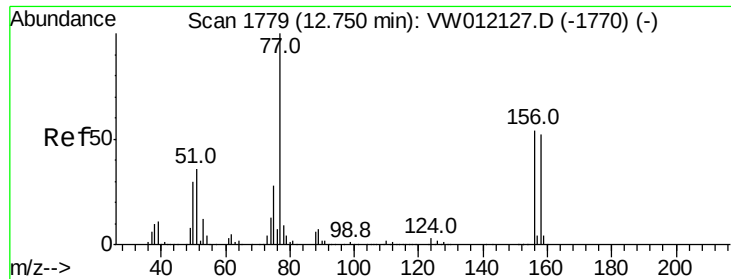
Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Tgt Ion: 75 Resp: 49513

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.785 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

ClientSampled :

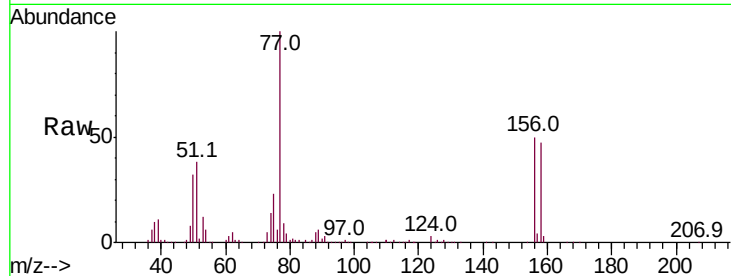
Tot Ion:156 Resp: 46258

Ion Ratio Lower Upper

156 100

77 212.9 107.3 321.8

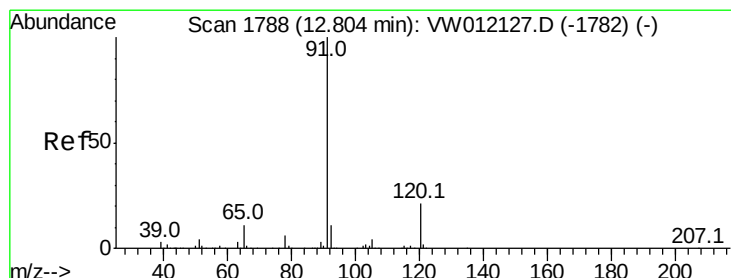
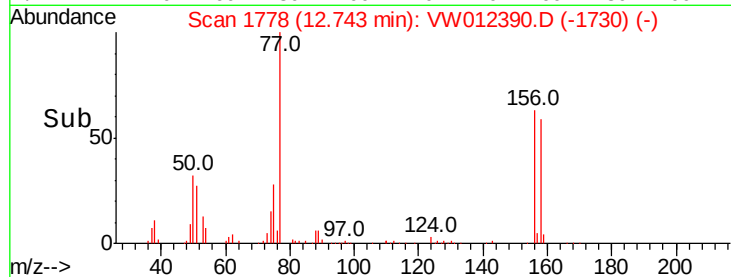
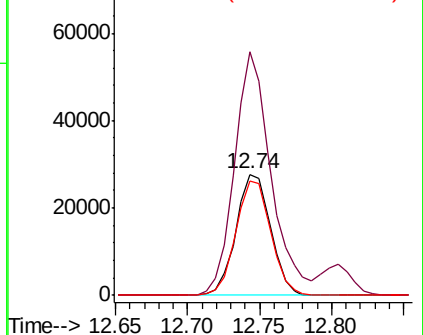
158 95.4 49.0 147.0



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: 20.062 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012390.D

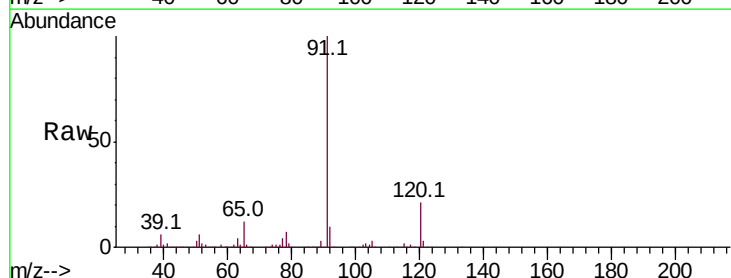
Acq: 31 Aug 2019 10:51

Tgt Ion: 91 Resp: 264683

Ion Ratio Lower Upper

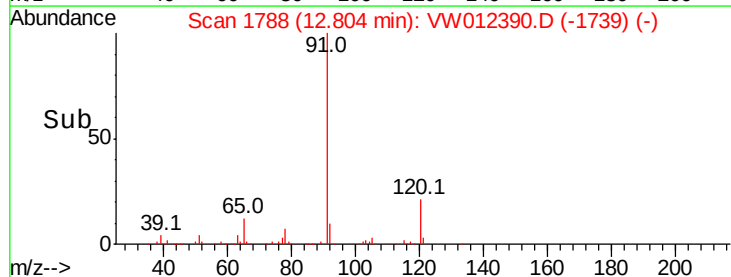
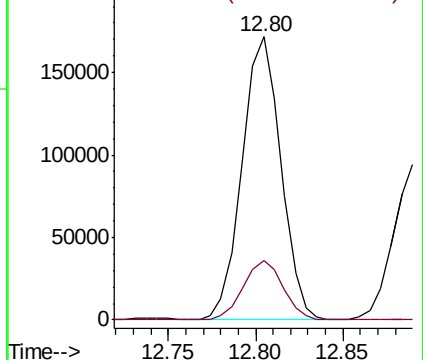
91 100

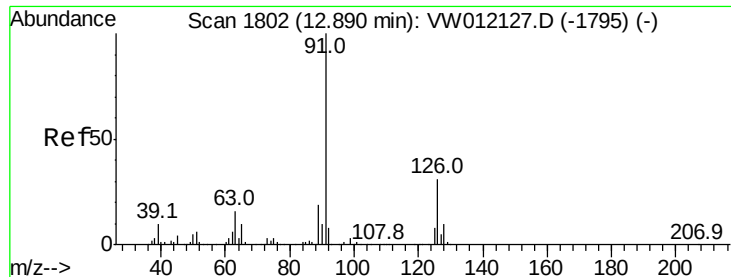
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.984 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

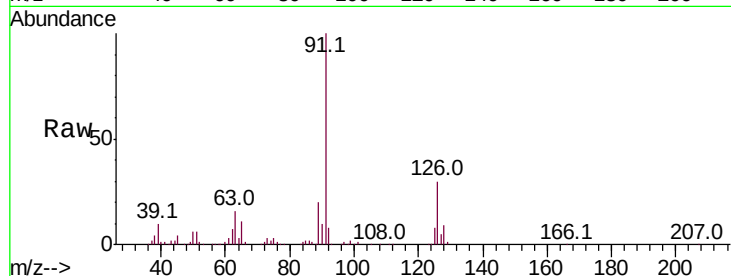
ClientSampled :

Tot Ion: 91 Resp: 149691

Ion Ratio Lower Upper

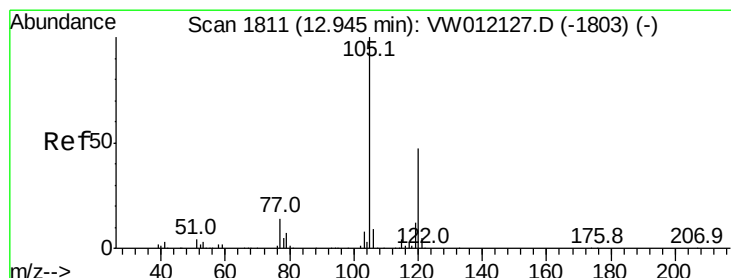
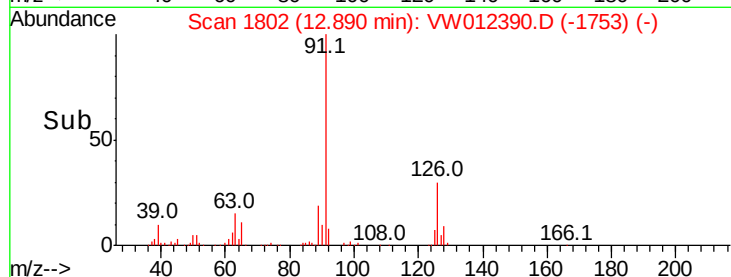
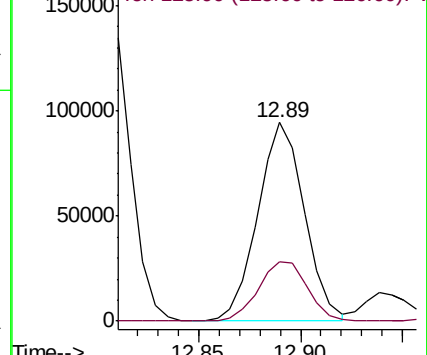
91 100

126 31.8 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.050 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012390.D

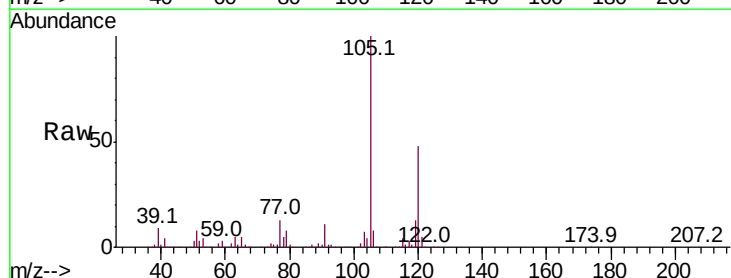
Acq: 31 Aug 2019 10:51

Tgt Ion:105 Resp: 181064

Ion Ratio Lower Upper

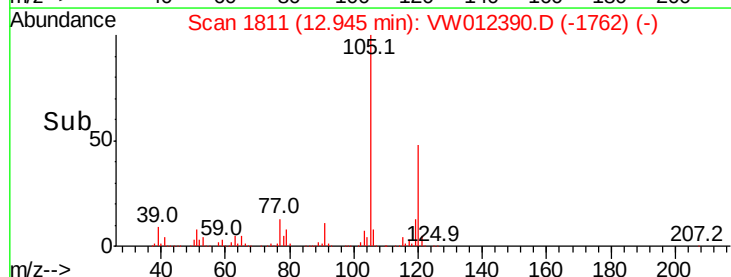
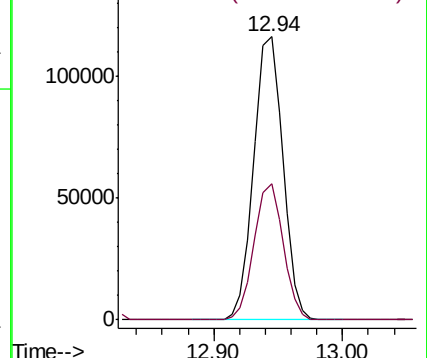
105 100

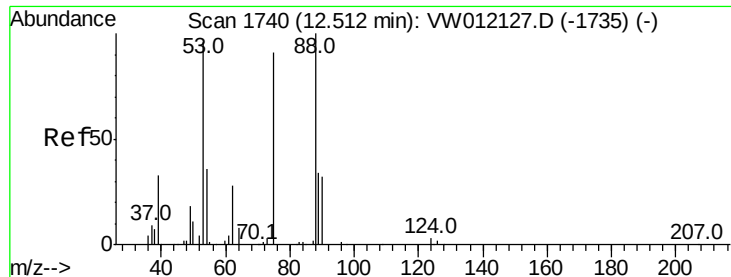
120 48.3 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.794 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012390.D

Acq: 31 Aug 2019 10:51

Instrument :

MSVOA_W

ClientSampleId :

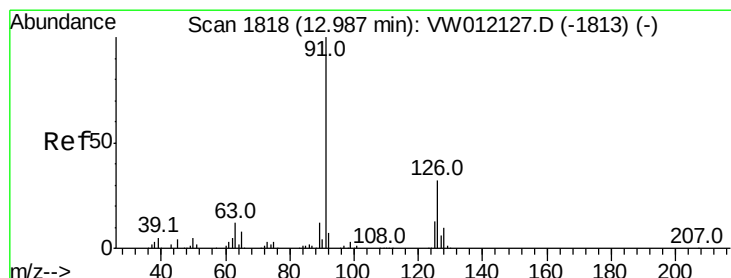
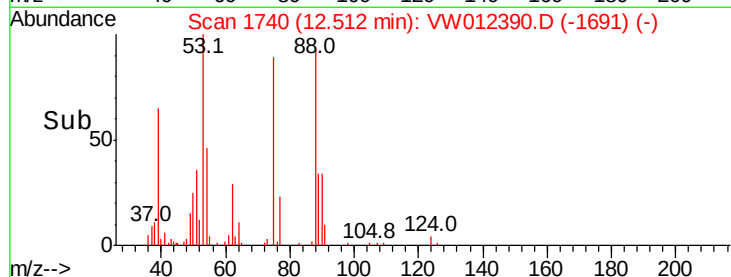
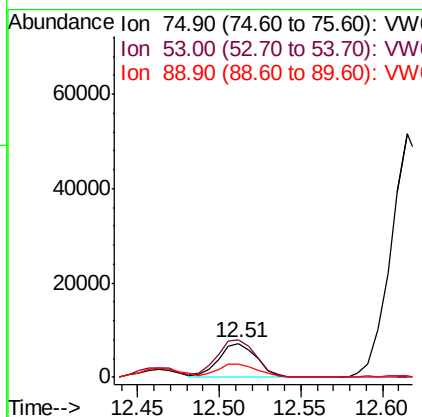
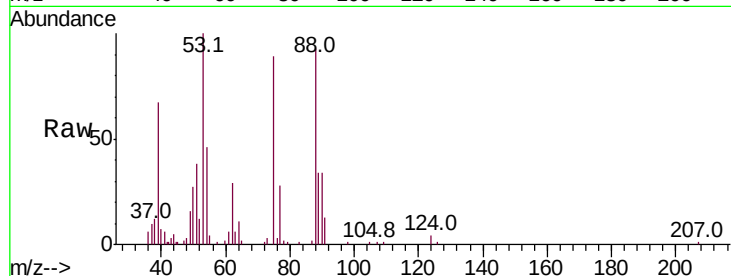
Tot Ion: 75 Resp: 11400

Ion Ratio Lower Upper

75 100

53 118.2 89.4 134.0

89 43.0 34.5 51.7



#82

4-Chlorotoluene

Concen: 20.166 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012390.D

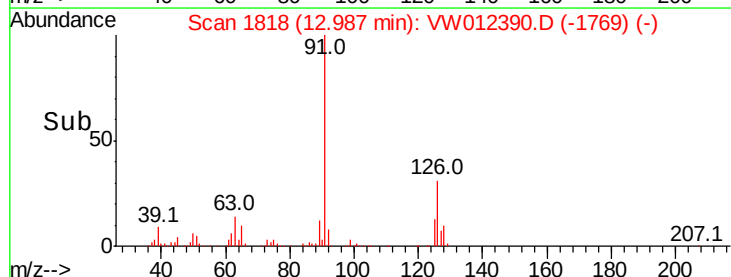
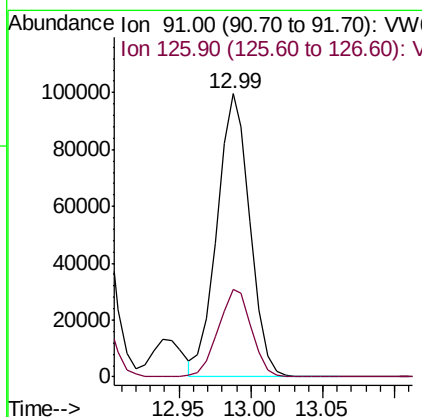
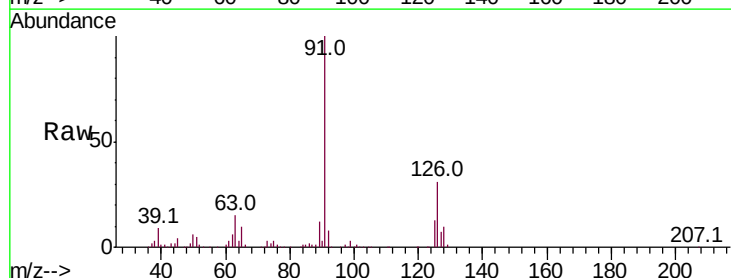
Acq: 31 Aug 2019 10:51

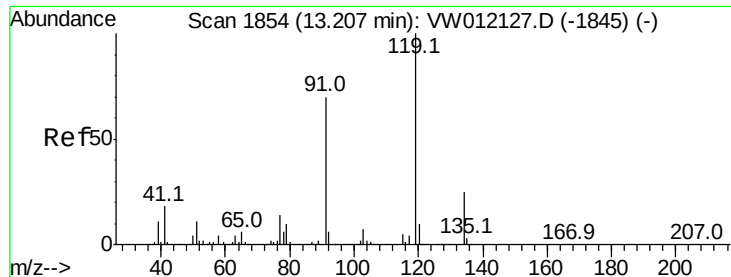
Tgt Ion: 91 Resp: 158161

Ion Ratio Lower Upper

91 100

126 31.5 15.6 46.8

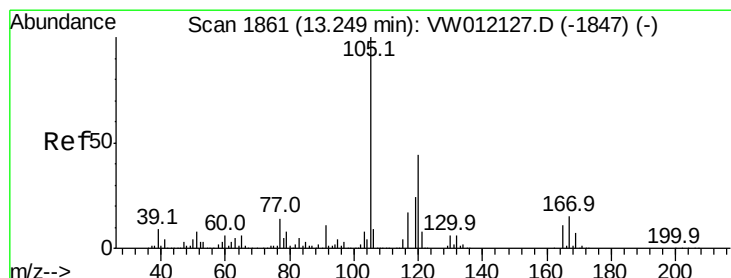
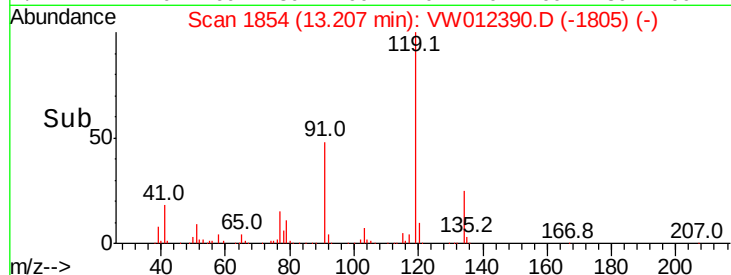
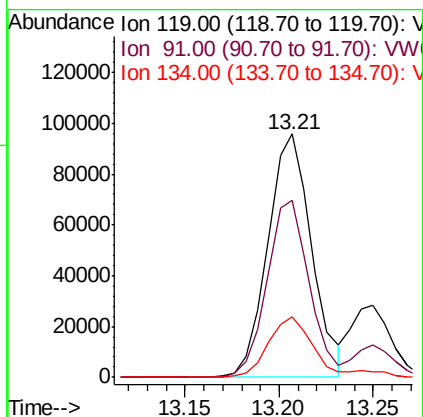
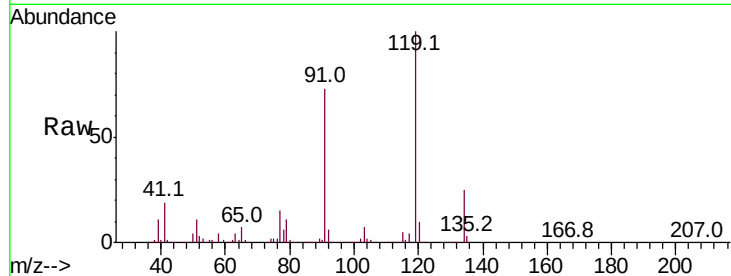




#83
 tert-Butylbenzene
 Concen: 20.197 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

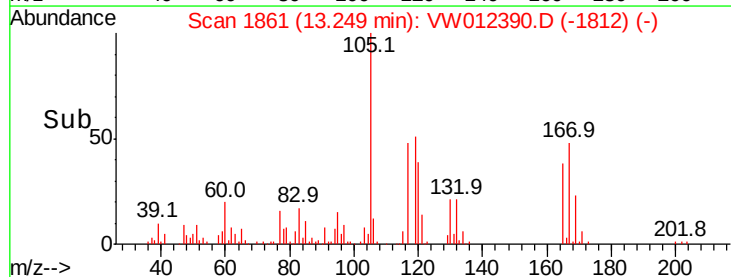
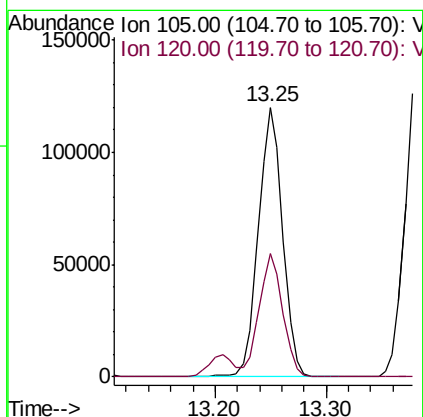
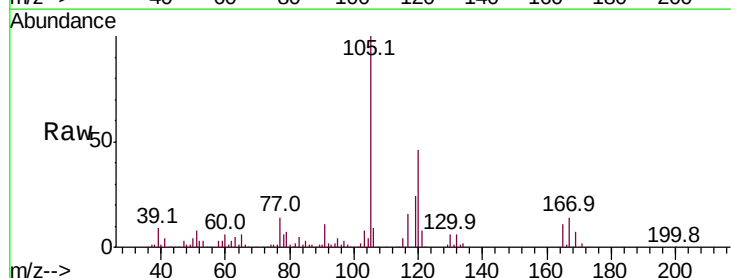
Instrument :
 MSVOA_W
 ClientSampleId :

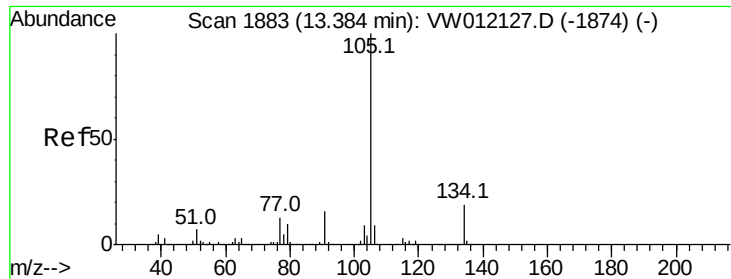
Tot Ion:119 Resp: 154500
 Ion Ratio Lower Upper
 119 100
 91 69.9 34.8 104.3
 134 24.9 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.180 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion:105 Resp: 183062
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.9 65.7

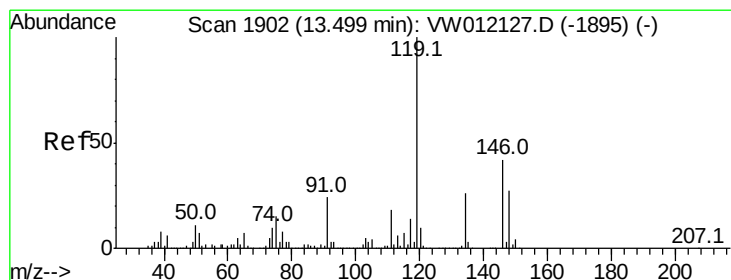
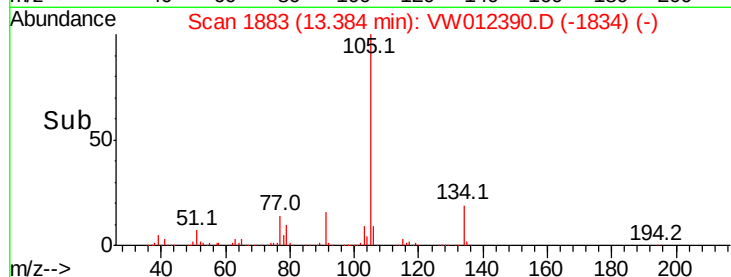
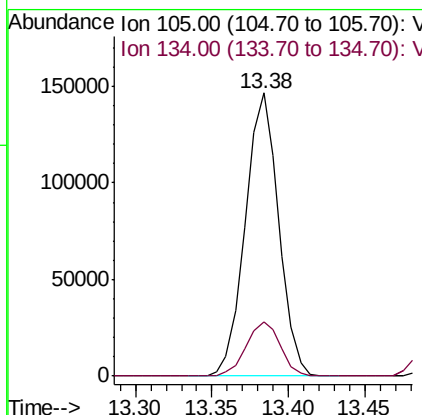
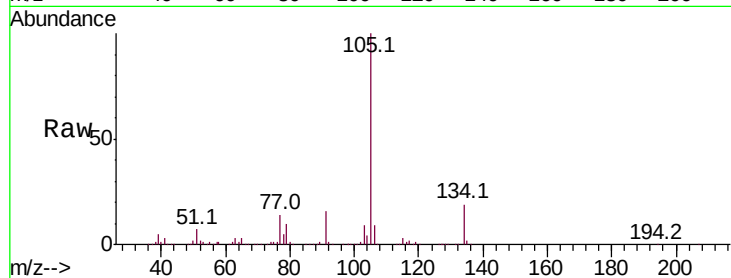




#85
 sec-Butylbenzene
 Concen: 20.221 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

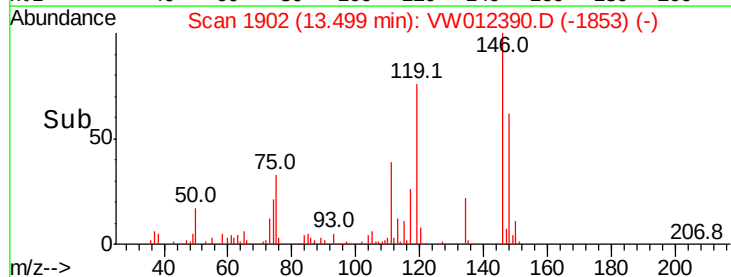
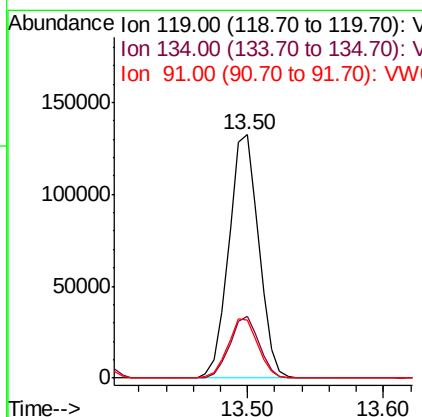
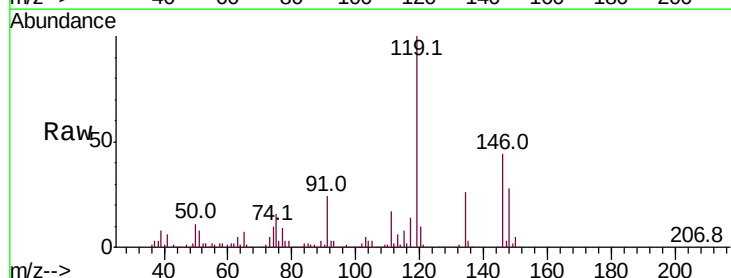
Instrument :
 MSVOA_W
 ClientSampleId :

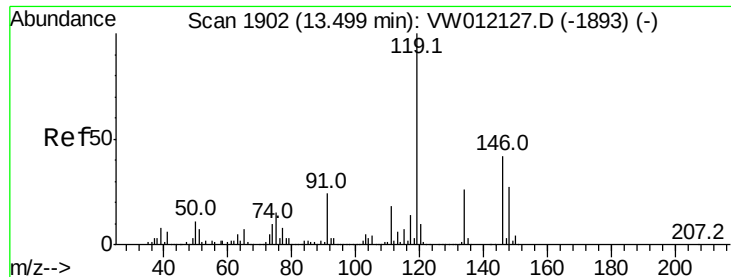
Tot Ion:105 Resp: 221606
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.652 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion:119 Resp: 202125
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.8 38.3
 91 24.5 12.3 36.9

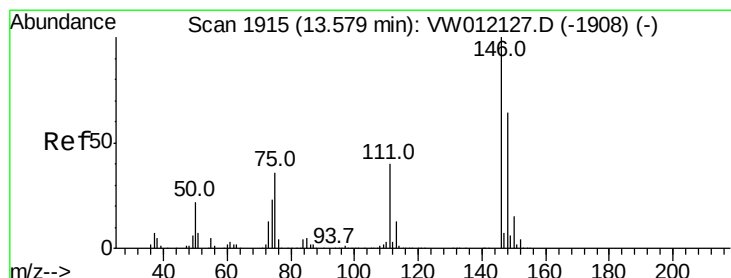
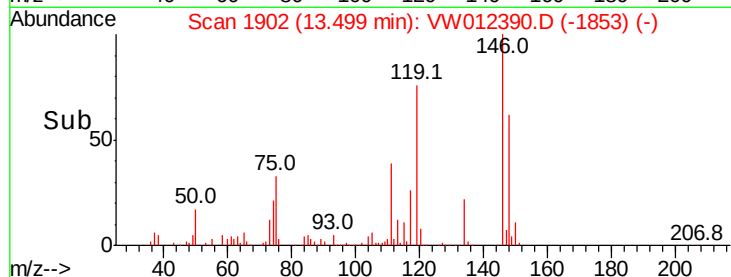
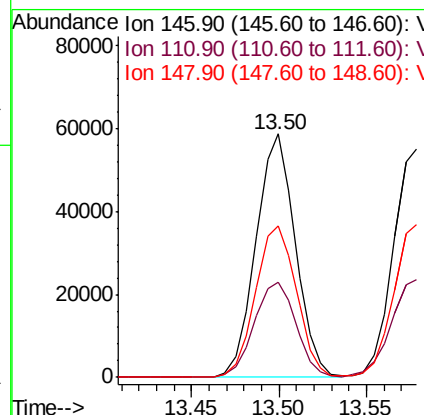
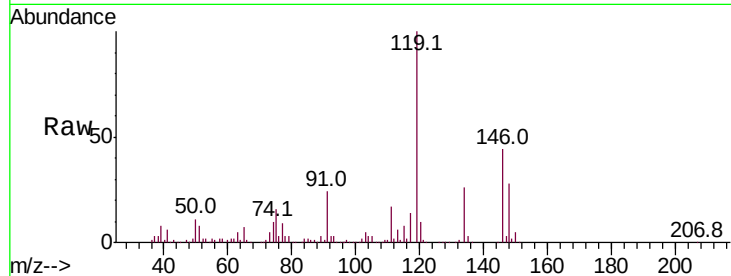




#87
 1,3-Dichlorobenzene
 Concen: 20.172 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

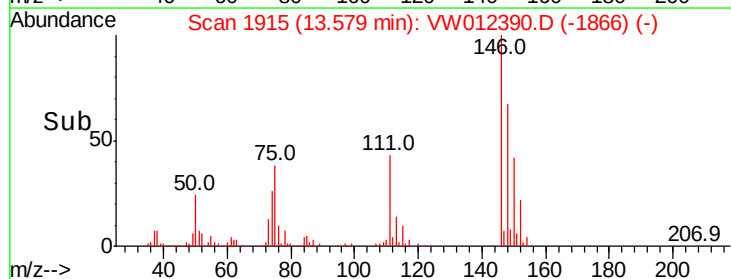
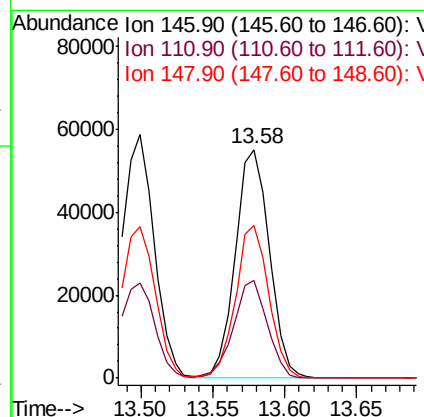
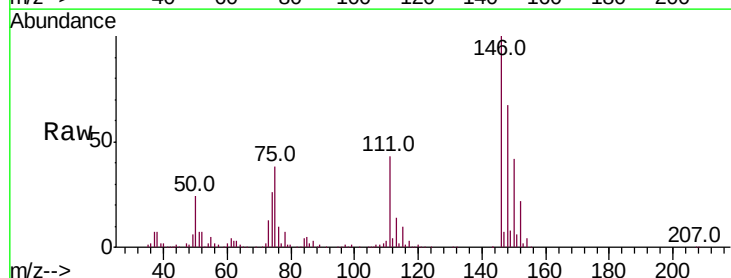
Instrument :
 MSVOA_W
 ClientSampleId :

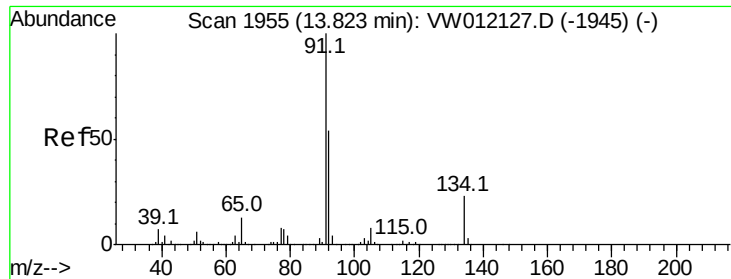
Tot Ion:146 Resp: 92249
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.9 62.7
 148 64.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.032 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion:146 Resp: 90960
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.0 60.0
 148 65.3 32.1 96.3

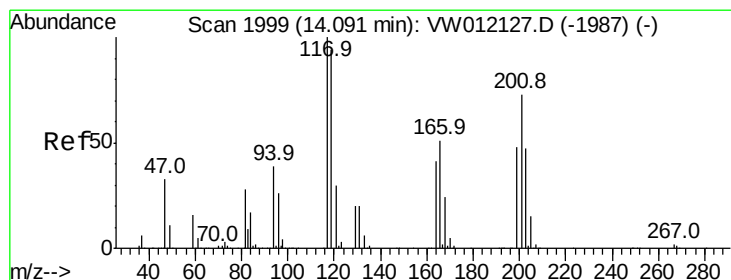
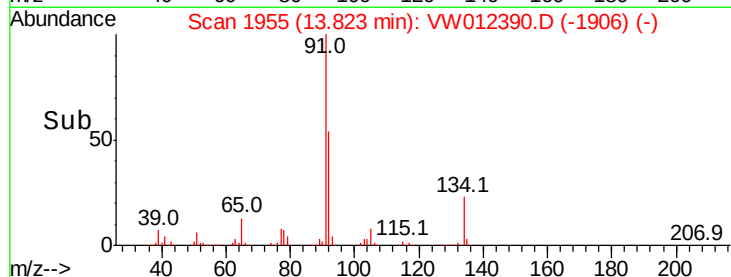
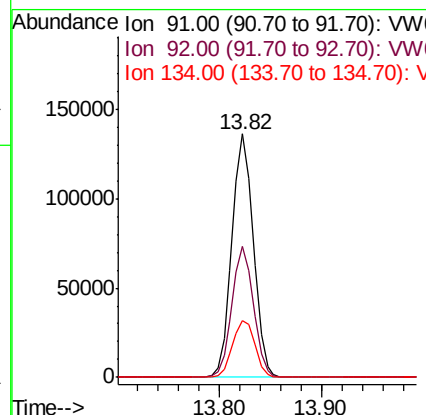
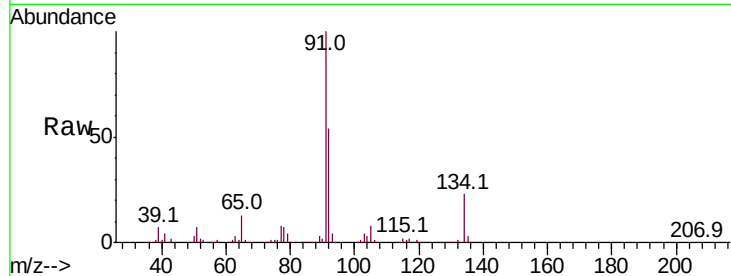




#89
n-Butylbenzene
Concen: 20.374 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

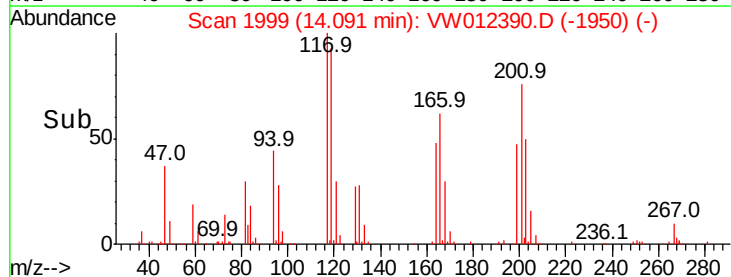
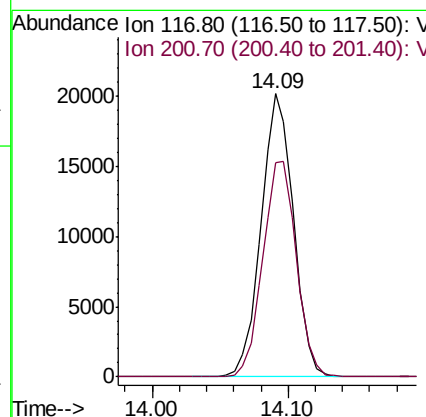
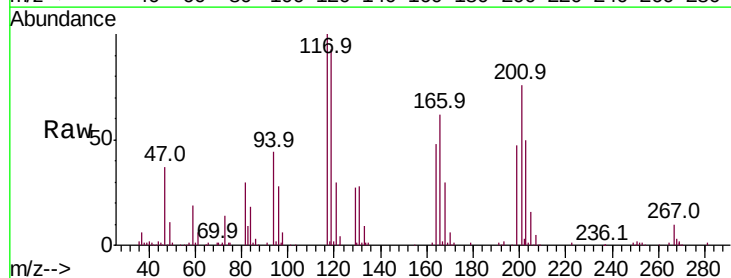
Instrument :
MSVOA_W
ClientSampleId :

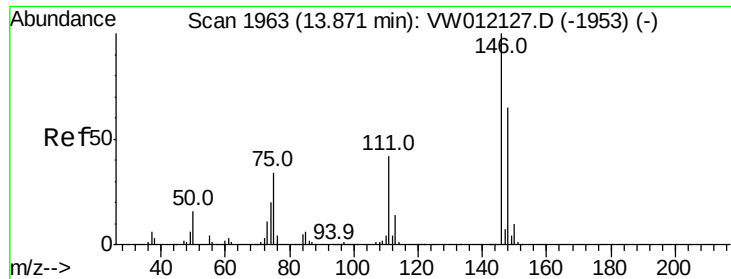
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.1	81.2
134	24.3	12.2	36.4



#90
Hexachloroethane
Concen: 19.546 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	38.6	115.7

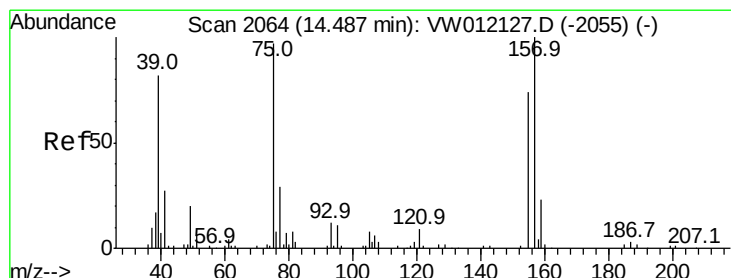
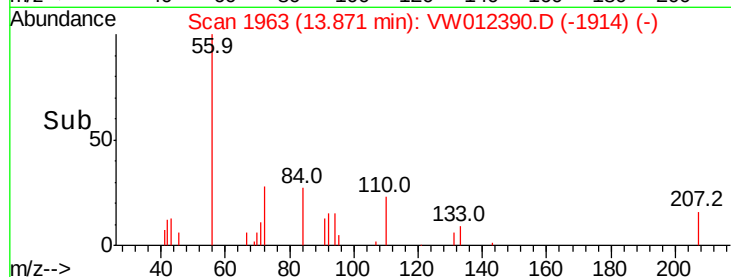
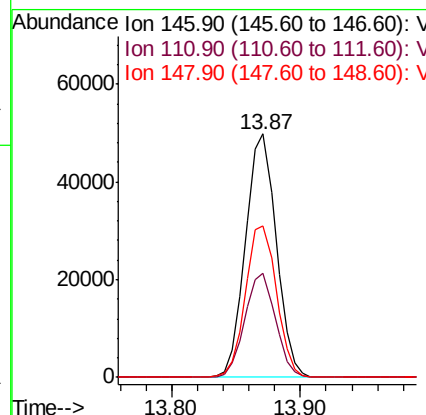
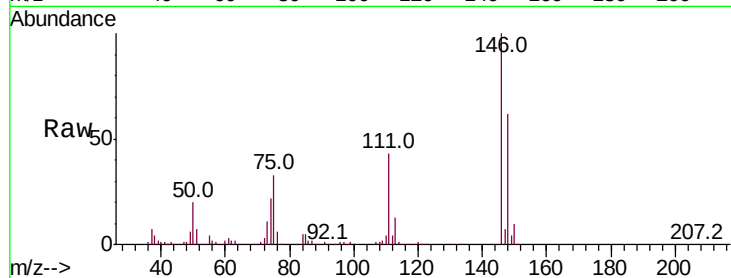




#91
1,2-Dichlorobenzene
Concen: 20.437 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

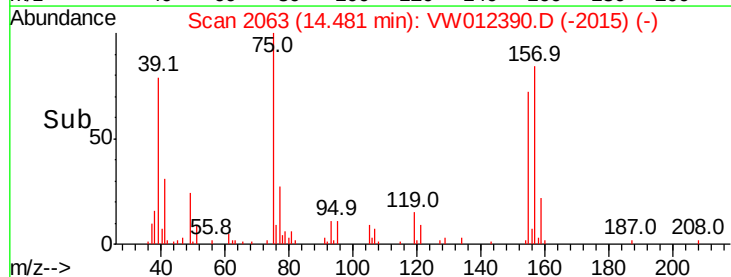
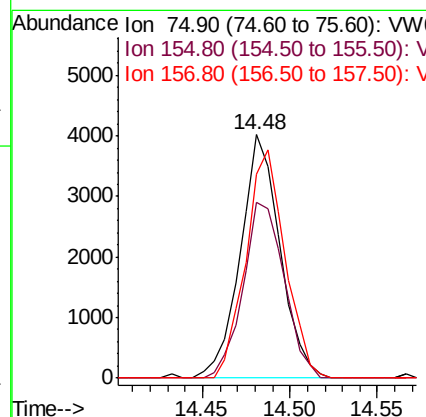
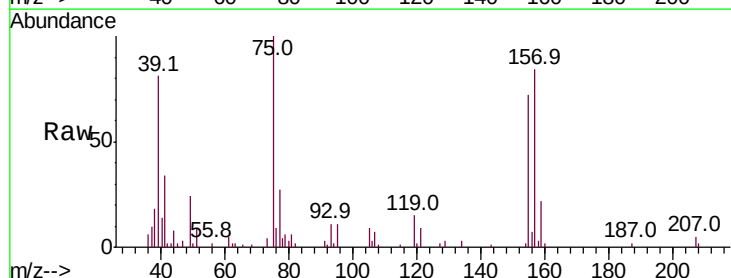
Instrument :
MSVOA_W
ClientSampleId :

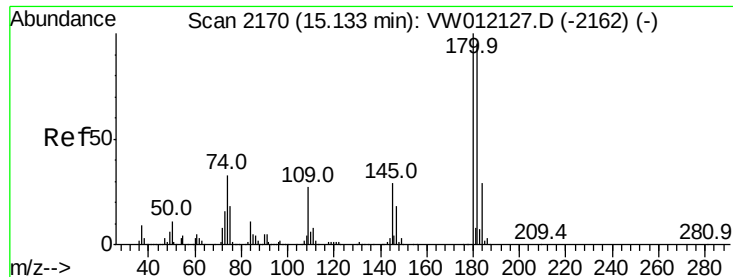
Tot Ion:146 Resp: 81989
Ion Ratio Lower Upper
146 100
111 42.5 21.2 63.6
148 62.9 32.5 97.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.942 ug/l
RT: 14.48 min Scan# 2063
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion: 75 Resp: 6327
Ion Ratio Lower Upper
75 100
155 74.8 37.5 112.3
157 93.0 50.5 151.5

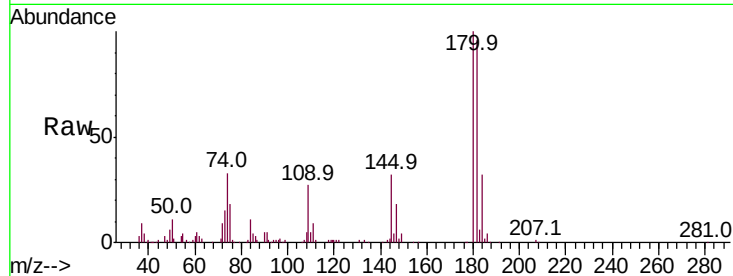




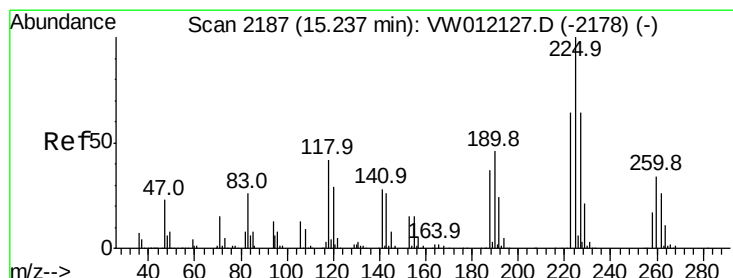
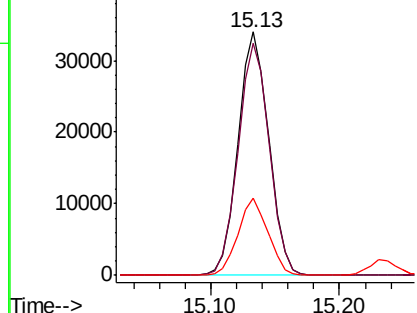
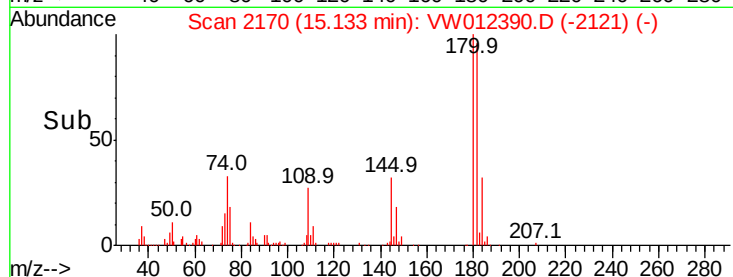
#93
 1,2,4-Trichlorobenzene
 Concen: 20.218 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.4
145	31.2	15.0	45.1

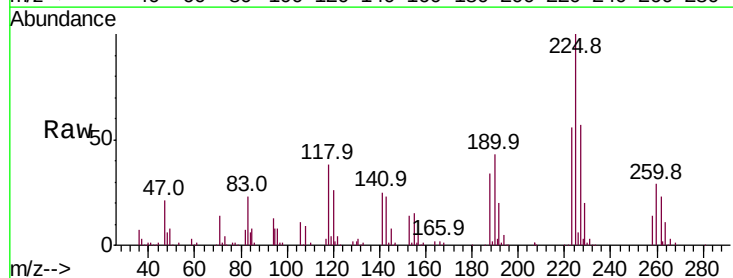


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

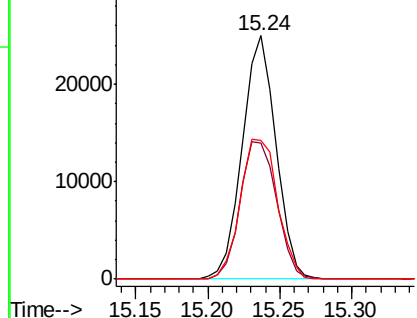
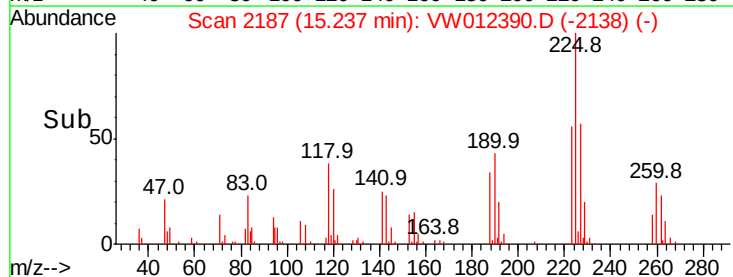


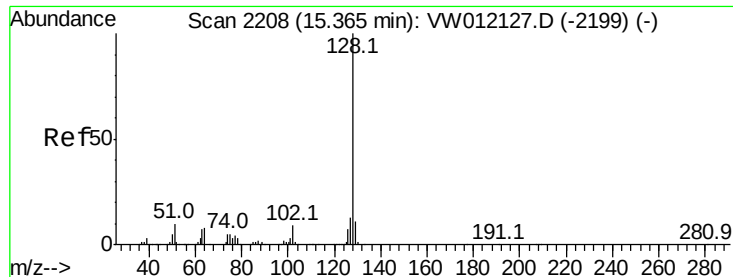
#94
 Hexachlorobutadiene
 Concen: 22.160 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012390.D
 Acq: 31 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.3	96.8
227	63.8	32.9	98.6



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

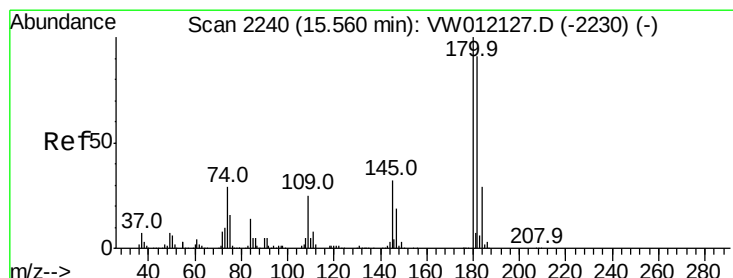
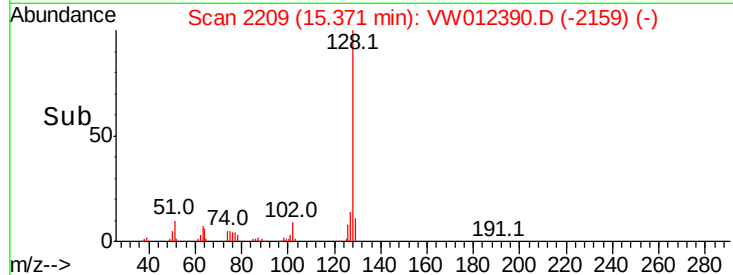
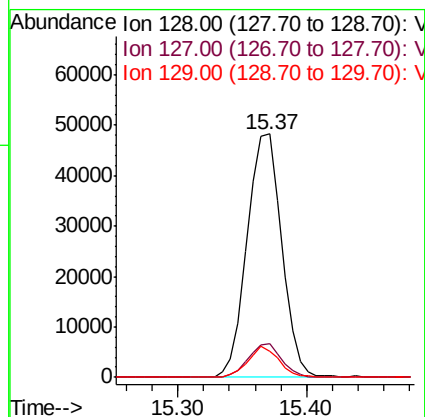
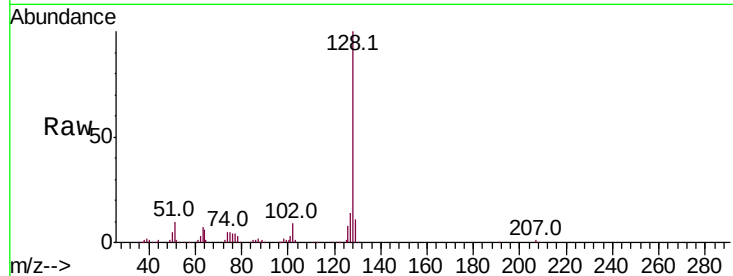




#95
Naphthalene
Concen: 19.375 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 89642
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.393 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012390.D
Acq: 31 Aug 2019 10:51

Tgt Ion:180 Resp: 49327
Ion Ratio Lower Upper
180 100
182 95.2 47.1 141.3
145 31.7 16.2 48.5

