

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013661.D
 Acq On : 23 Oct 2019 11:23
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 13:54:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	331826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	474056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	207769	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	12560	4.85	ug/l	0.00
Spiked Amount			Recovery	=	9.70%	
35) Dibromofluoromethane	7.88	113	13595	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	
50) Toluene-d8	10.32	98	51852	4.62	ug/l	0.00
Spiked Amount			Recovery	=	9.24%	
62) 4-Bromofluorobenzene	12.62	95	18606	4.94	ug/l	0.00
Spiked Amount			Recovery	=	9.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	8731	7.497	ug/l	94
3) Chloromethane	2.21	50	9956	5.251	ug/l	90
4) Vinyl Chloride	2.37	62	14072	4.975	ug/l	99
5) Bromomethane	2.79	94	10113	5.913	ug/l	97
6) Chloroethane	2.92	64	8602	5.327	ug/l	98
7) Trichlorofluoromethane	3.26	101	8435	6.071	ug/l #	76
8) Diethyl Ether	3.68	74	7309	5.206	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.08	101	15053	5.397	ug/l	96
10) Methyl Iodide	4.29	142	23763	5.344	ug/l	98
11) Tert butyl alcohol	5.20	59	3799	18.238	ug/l #	83
12) 1,1-Dichloroethene	4.05	96	15123	5.222	ug/l	92
13) Acrolein	3.90	56	4509	22.636	ug/l	100
14) Allyl chloride	4.67	41	23000	5.165	ug/l	98
15) Acrylonitrile	5.37	53	14743	22.942	ug/l	98
16) Acetone	4.14	43	13284	22.548	ug/l	93
17) Carbon Disulfide	4.39	76	41578	5.097	ug/l	95
18) Methyl Acetate	4.69	43	7608	4.528	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	18493	4.368	ug/l	95
20) Methylene Chloride	4.92	84	21939	6.657	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	16604	5.379	ug/l	97
22) Diisopropyl ether	6.31	45	42261	5.078	ug/l	98
23) Vinyl Acetate	6.26	43	114040	22.945	ug/l	100
24) 1,1-Dichloroethane	6.21	63	26762	5.226	ug/l	97
25) 2-Butanone	7.18	43	19384	22.425	ug/l	97
26) 2,2-Dichloropropane	7.17	77	17701	5.484	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	17124	5.235	ug/l	91
28) Bromochloromethane	7.51	49	9043	4.948	ug/l	99
29) Tetrahydrofuran	7.53	42	11386	21.577	ug/l	98
30) Chloroform	7.68	83	27893	5.638	ug/l	84
31) Cyclohexane	7.95	56	31938	5.918	ug/l #	80
32) 1,1,1-Trichloroethane	7.88	97	20688	5.169	ug/l	98
36) 1,1-Dichloropropene	8.08	75	22305	5.173	ug/l	98
37) Ethyl Acetate	7.25	43	8572	4.495	ug/l #	86
38) Carbon Tetrachloride	8.07	117	20084	5.266	ug/l	97

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 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 13:54:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28336	5.070	ug/l	96
40) Benzene	8.32	78	63464	5.261	ug/l	95
41) Methacrylonitrile	7.48	41	5411	4.961	ug/l	89
42) 1,2-Dichloroethane	8.40	62	15884	5.207	ug/l	97
43) Isopropyl Acetate	8.42	43	16168	4.650	ug/l	100
44) Trichloroethene	9.09	130	18403	5.346	ug/l	98
45) 1,2-Dichloropropane	9.37	63	14715	5.077	ug/l	98
46) Dibromomethane	9.46	93	7153	4.970	ug/l	100
47) Bromodichloromethane	9.65	83	18865	5.247	ug/l	90
48) Methyl methacrylate	9.44	41	6918	4.016	ug/l	93
49) 1,4-Dioxane	9.46	88	2201	89.858	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	40117	22.104	ug/l	100
52) Toluene	10.39	92	41241	5.305	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	18273	4.904	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	22261	4.917	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	11410	5.297	ug/l	98
56) Ethyl methacrylate	10.65	69	12008	4.192	ug/l	92
57) 1,3-Dichloropropane	10.93	76	19021	5.136	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	29938	22.226	ug/l	100
59) 2-Hexanone	10.97	43	26502	21.346	ug/l	99
60) Dibromochloromethane	11.13	129	12256	4.944	ug/l	100
61) 1,2-Dibromoethane	11.24	107	10155	4.953	ug/l	99
64) Tetrachloroethene	10.86	164	15549	5.111	ug/l	96
65) Chlorobenzene	11.66	112	43162	5.261	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	14498	5.075	ug/l	99
67) Ethyl Benzene	11.73	91	75522	5.031	ug/l	98
68) m/p-Xylenes	11.84	106	58181	10.189	ug/l	97
69) o-Xylene	12.16	106	26017	4.923	ug/l	100
70) Styrene	12.18	104	44212	4.875	ug/l	100
71) Bromoform	12.35	173	7561	4.866	ug/l #	92
73) Isopropylbenzene	12.46	105	73550	4.932	ug/l	100
74) N-amyl acetate	12.27	43	13380	4.179	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	12238	4.873	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	14905	8.732	ug/l #	100
77) Bromobenzene	12.74	156	17951	5.062	ug/l	99
78) n-propylbenzene	12.80	91	82467	4.780	ug/l	97
79) 2-Chlorotoluene	12.89	91	48770	5.037	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	61473	4.937	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3805	4.542	ug/l	99
82) 4-Chlorotoluene	12.99	91	50646	5.028	ug/l	99
83) tert-Butylbenzene	13.21	119	55212	4.994	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	60832	4.940	ug/l	98
85) sec-Butylbenzene	13.38	105	75668	4.972	ug/l	100
86) p-Isopropyltoluene	13.50	119	70845	5.054	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	35252	5.229	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	35810	5.420	ug/l	95
89) n-Butylbenzene	13.82	91	62045	4.902	ug/l	99
90) Hexachloroethane	14.09	117	12612	5.223	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	30467	5.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1769	4.446	ug/l	95

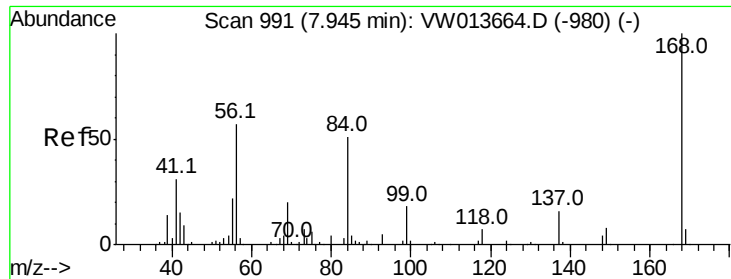
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
Data File : VW013661.D
Acq On : 23 Oct 2019 11:23
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Quant Time: Oct 23 13:54:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 13:51:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	20516	4.868	ug/l	97
94) Hexachlorobutadiene	15.24	225	15080	5.386	ug/l	98
95) Naphthalene	15.36	128	28724	3.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	18074	4.901	ug/l	98

(#) = 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: VW013661.D

Acq: 23 Oct 2019 11:23

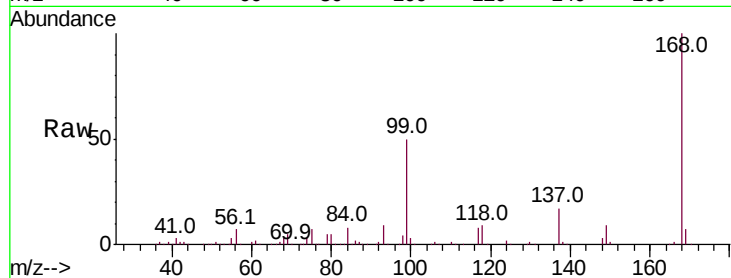
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 331826

Ion Ratio Lower Upper

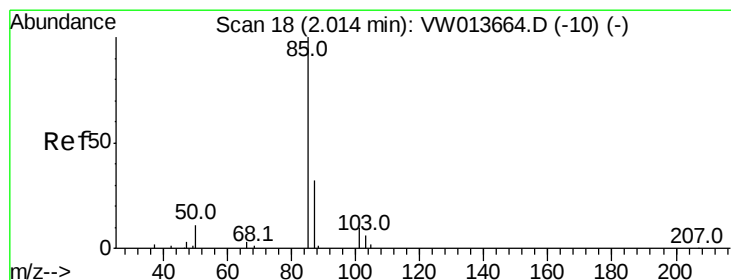
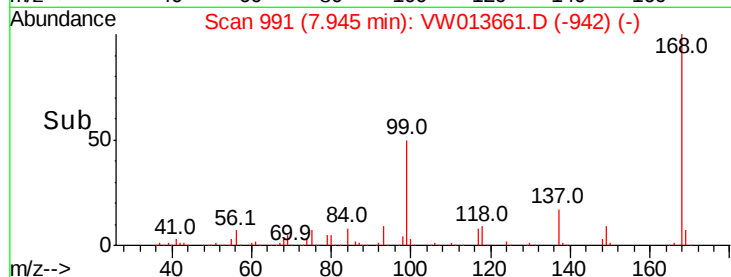
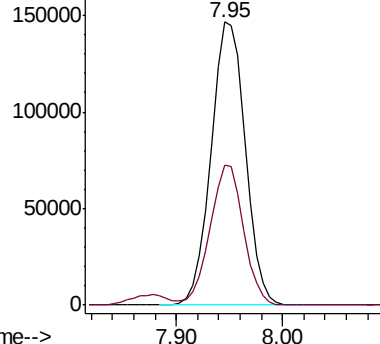
168 100

99 49.6 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 7.497 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013661.D

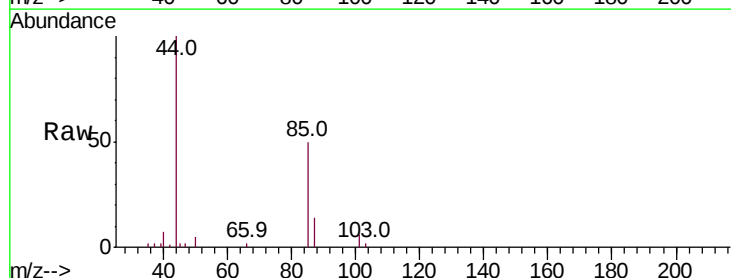
Acq: 23 Oct 2019 11:23

Tgt Ion: 85 Resp: 8731

Ion Ratio Lower Upper

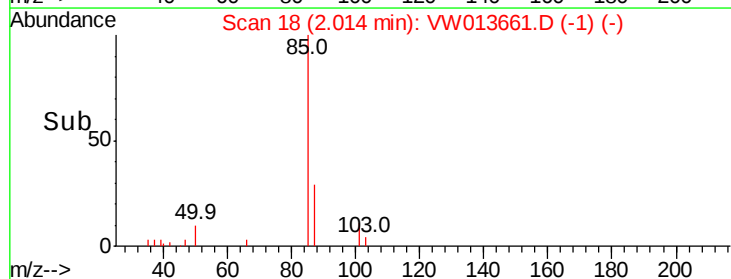
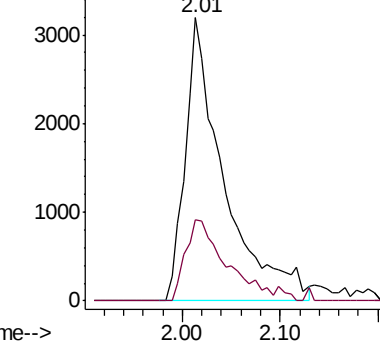
85 100

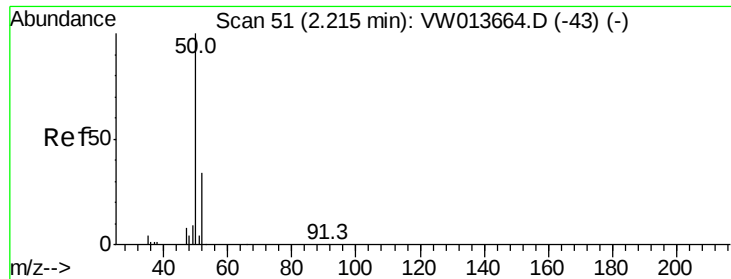
87 28.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.251 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

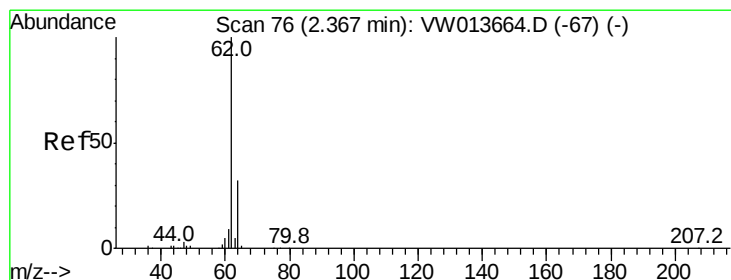
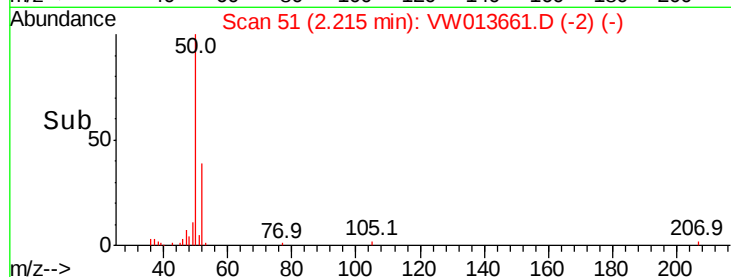
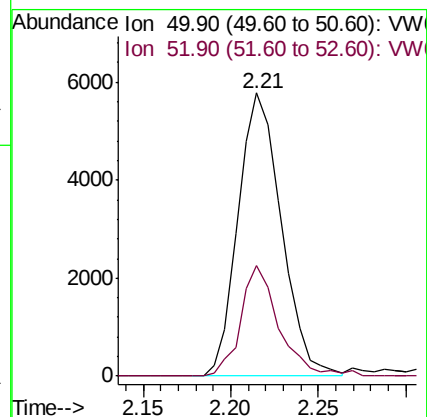
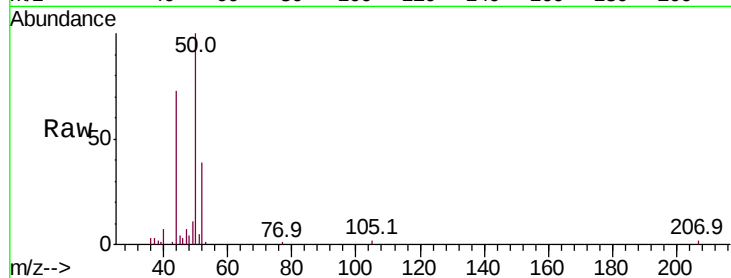
ClientSampleId :

Tot Ion: 50 Resp: 9956

Ion Ratio Lower Upper

50 100

52 39.1 26.9 40.3



#4

Vinyl Chloride

Concen: 4.975 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013661.D

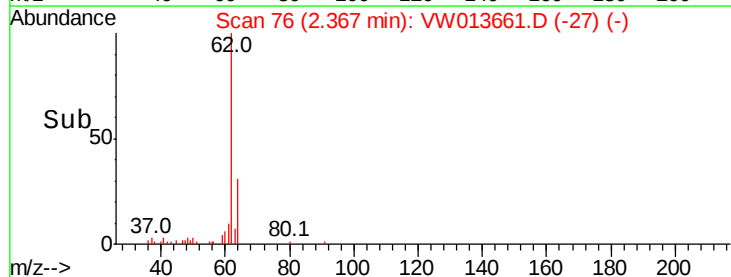
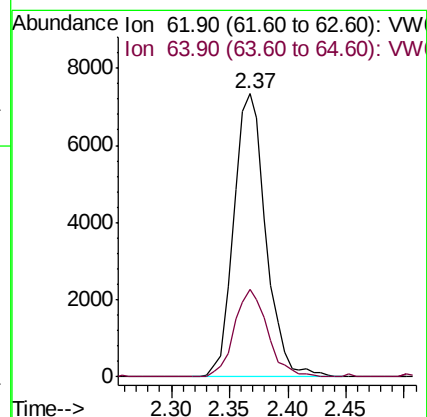
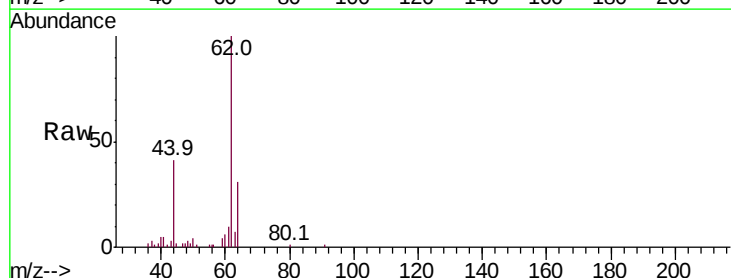
Acq: 23 Oct 2019 11:23

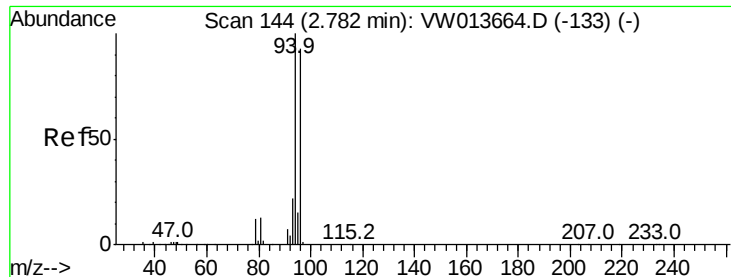
Tgt Ion: 62 Resp: 14072

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3





#5

Bromomethane

Concen: 5.913 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

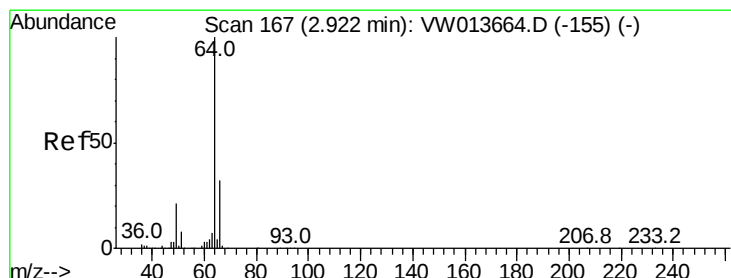
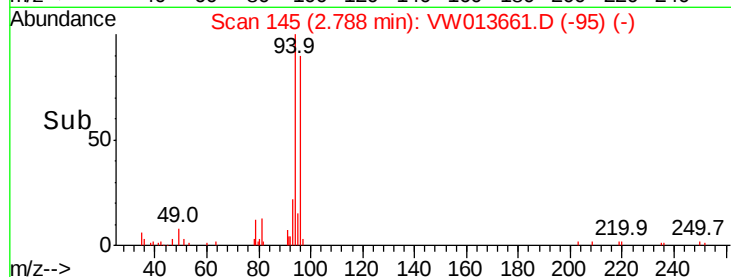
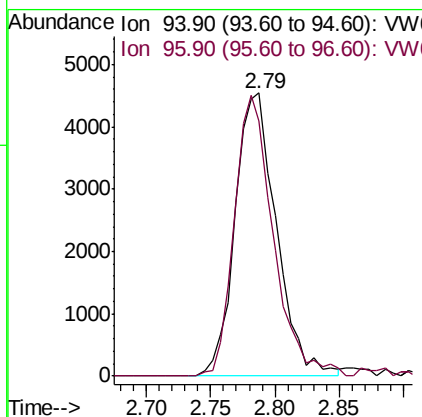
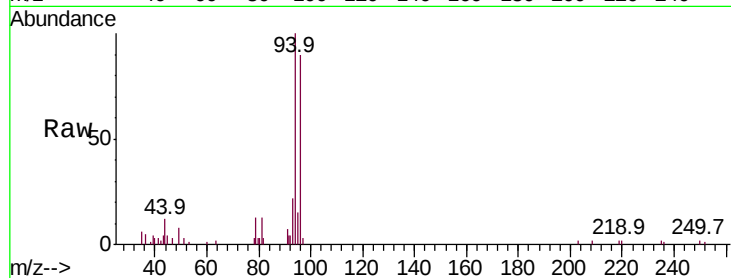
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 10113

Ion Ratio Lower Upper

94 100

96 90.2 74.6 112.0



#6

Chloroethane

Concen: 5.327 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013661.D

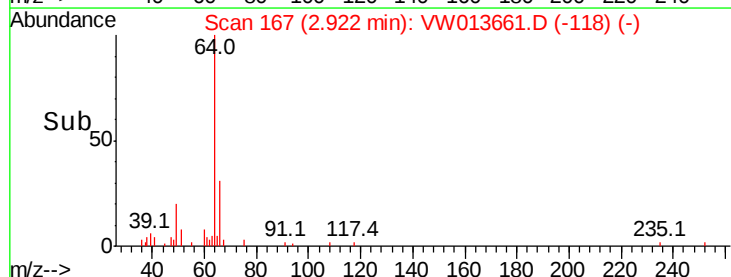
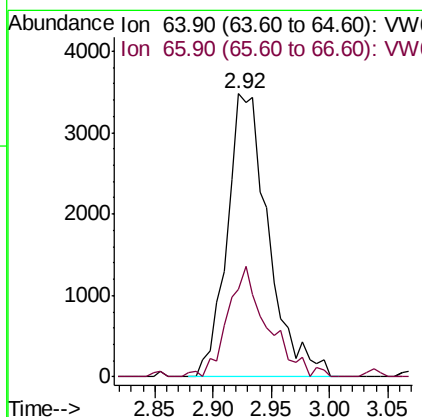
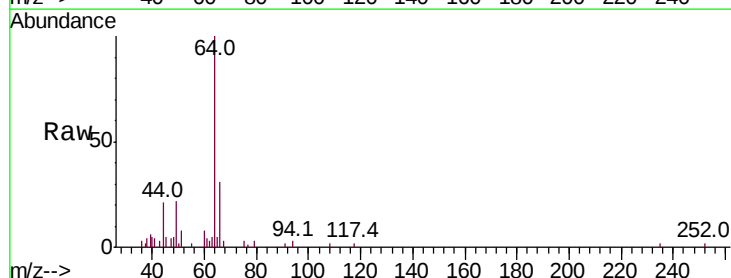
Acq: 23 Oct 2019 11:23

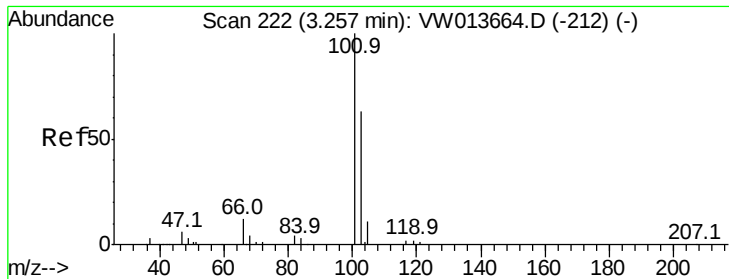
Tgt Ion: 64 Resp: 8602

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.0



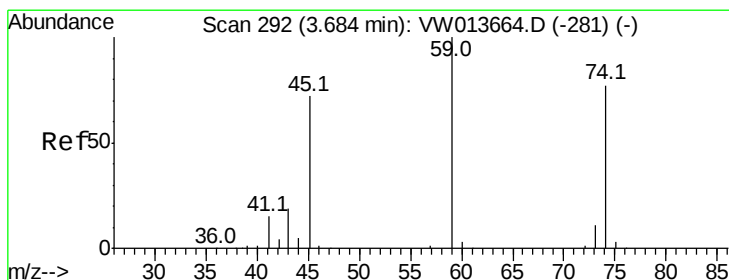
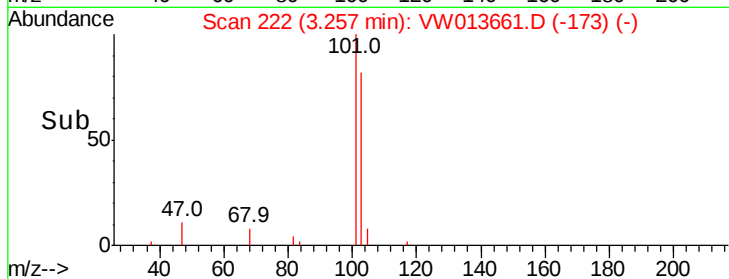
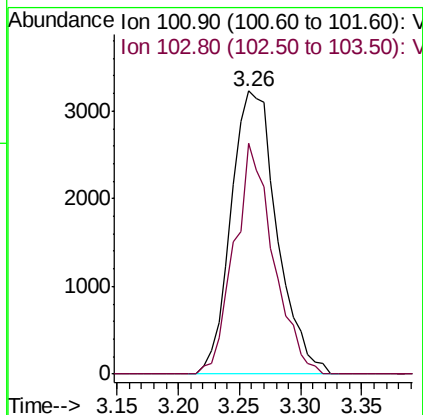
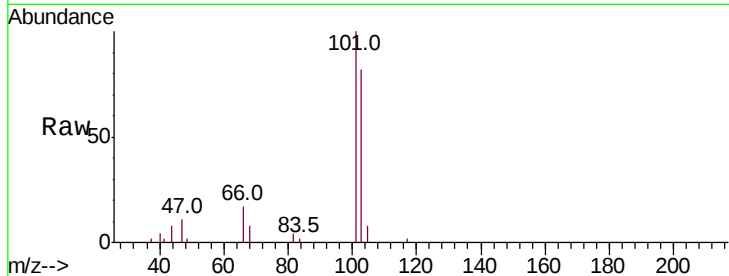


#7

Trichlorofluoromethane
 Concen: 6.071 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

Instrument :
 MSVOA_W
 ClientSampled :

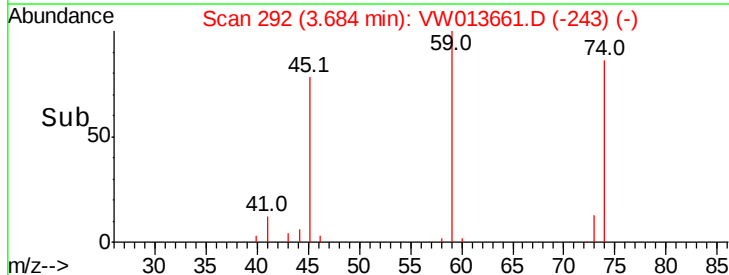
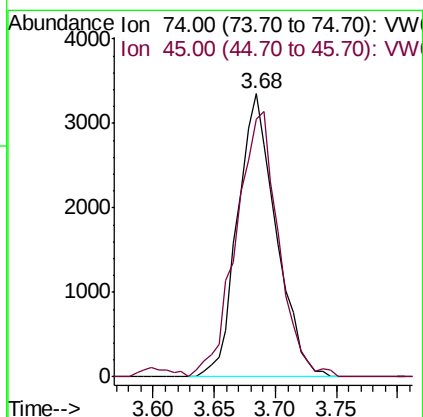
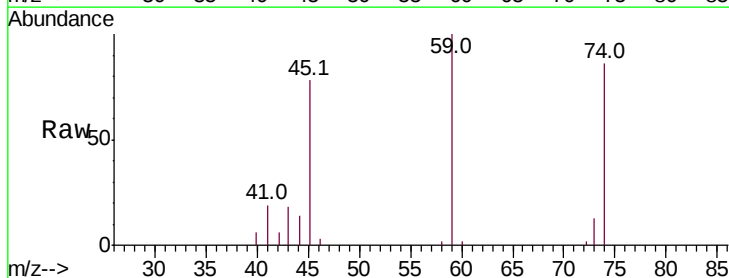
Tot Ion:101 Resp: 8435
 Ion Ratio Lower Upper
 101 100
 103 81.7 50.6 76.0#

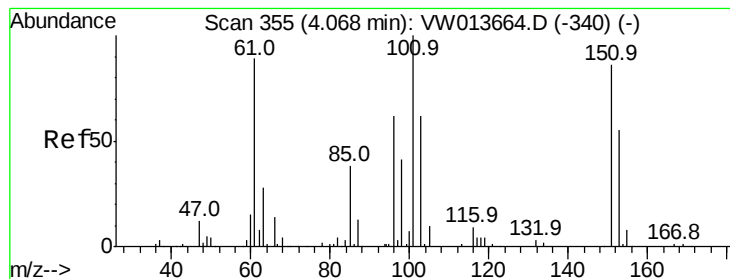


#8

Diethyl Ether
 Concen: 5.206 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

Tgt Ion: 74 Resp: 7309
 Ion Ratio Lower Upper
 74 100
 45 103.5 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.397 ug/l

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

ClientSampleId :

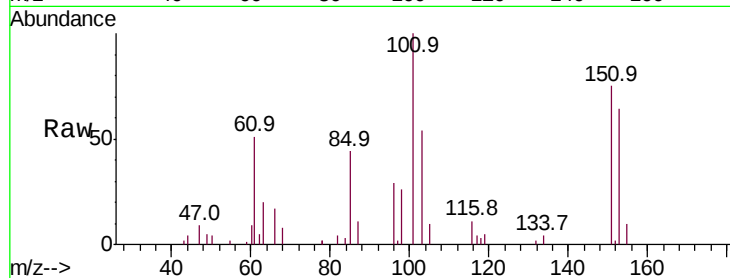
Tot Ion:101 Resp: 15053

Ion Ratio Lower Upper

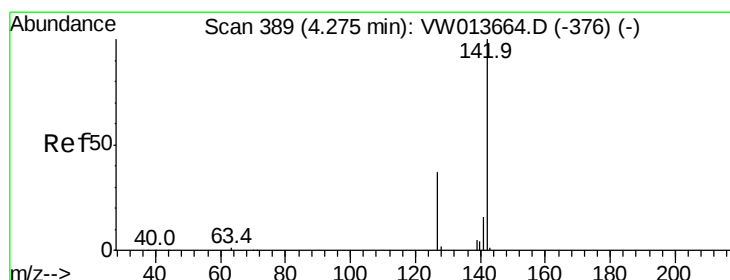
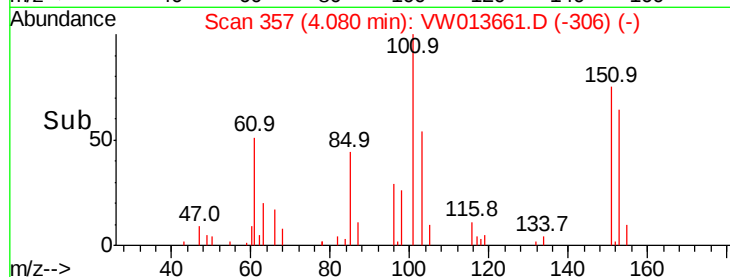
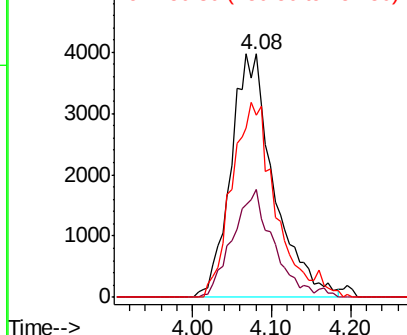
101 100

85 41.5 31.0 46.6

151 82.3 68.2 102.4



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



#10

Methyl Iodide

Concen: 5.344 ug/l

RT: 4.29 min Scan# 391

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

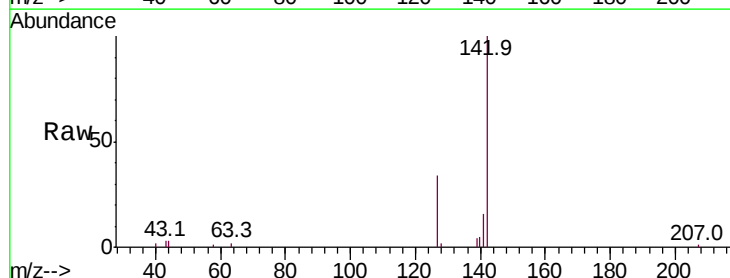
Tgt Ion:142 Resp: 23763

Ion Ratio Lower Upper

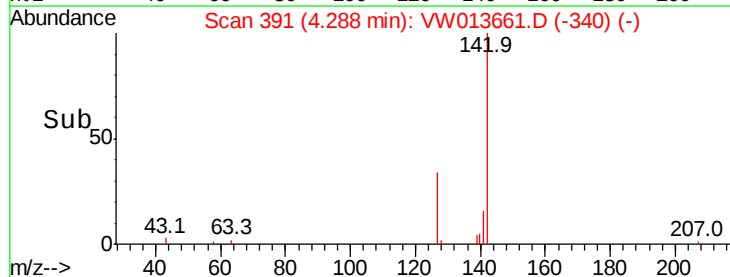
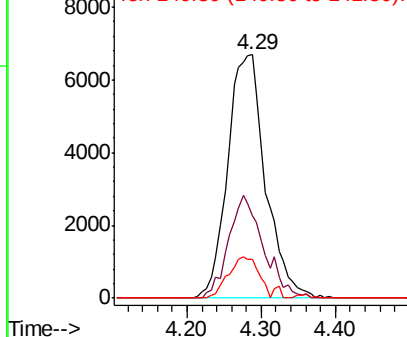
142 100

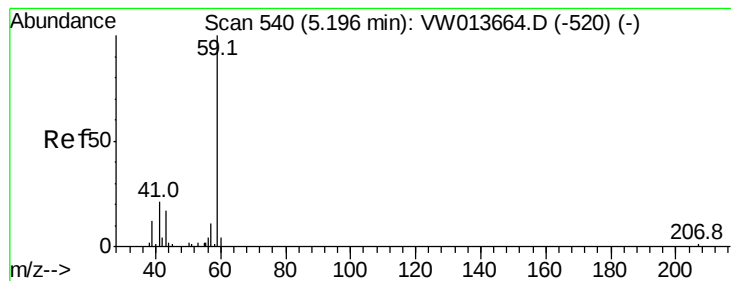
127 39.1 30.3 45.5

141 13.5 11.8 17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



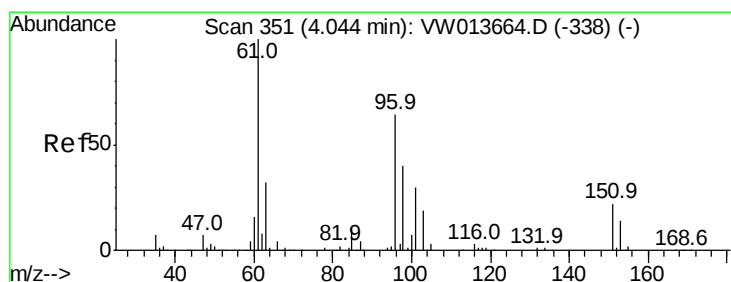
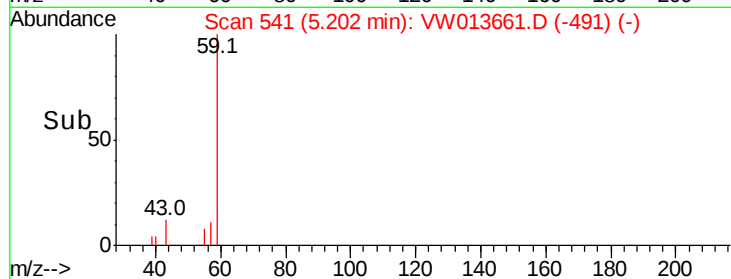
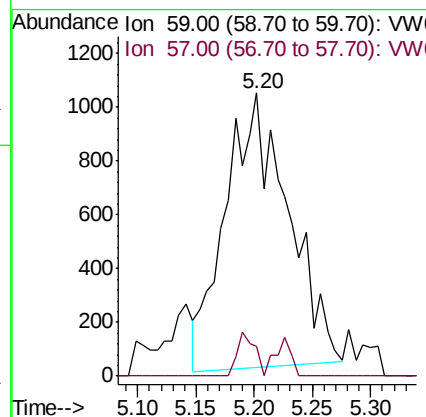
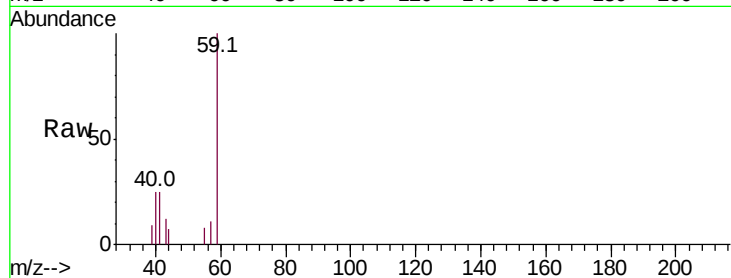


#11

Tert butyl alcohol
Concen: 18.238 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Instrument :
MSVOA_W
ClientSampleId :

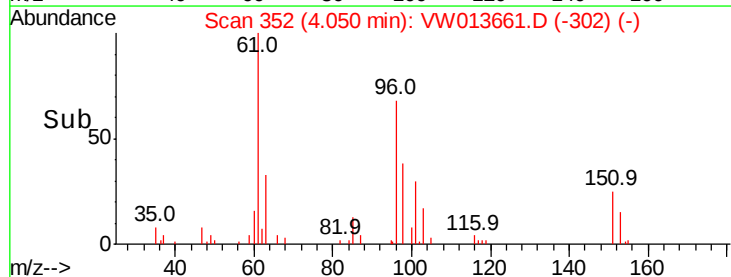
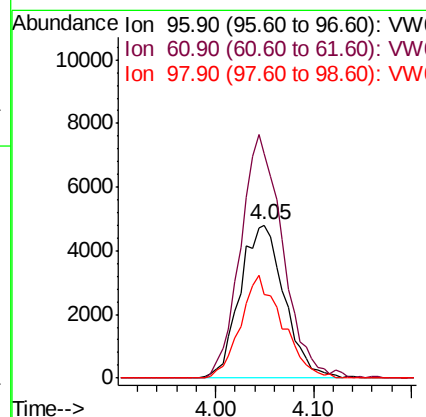
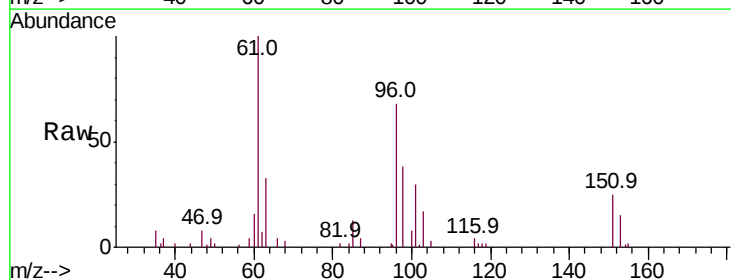
Tot Ion: 59 Resp: 3799
Ion Ratio Lower Upper
59 100
57 4.6 8.8 13.2#

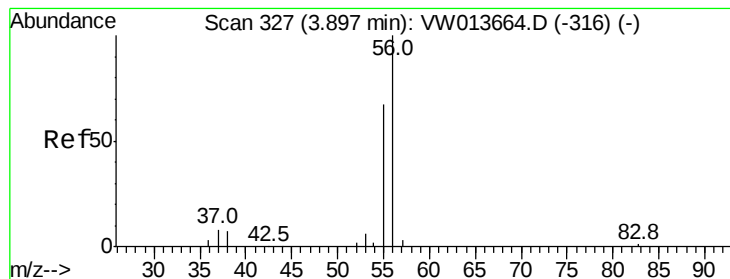


#12

1,1-Dichloroethene
Concen: 5.222 ug/l
RT: 4.05 min Scan# 352
Delta R.T. 0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion: 96 Resp: 15123
Ion Ratio Lower Upper
96 100
61 146.3 125.0 187.6
98 54.9 50.3 75.5





#13

Acrolein

Concen: 22.636 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

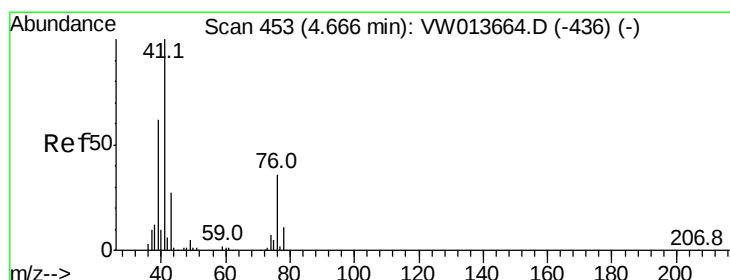
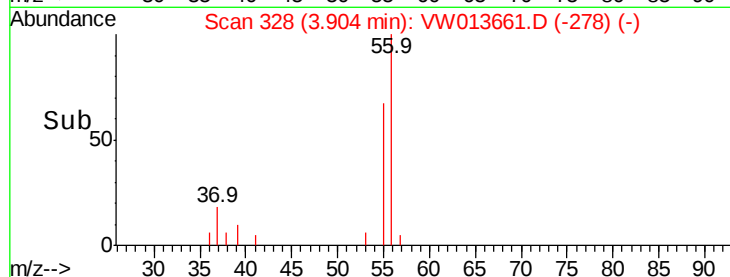
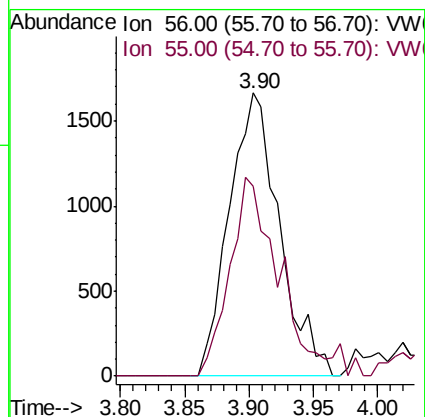
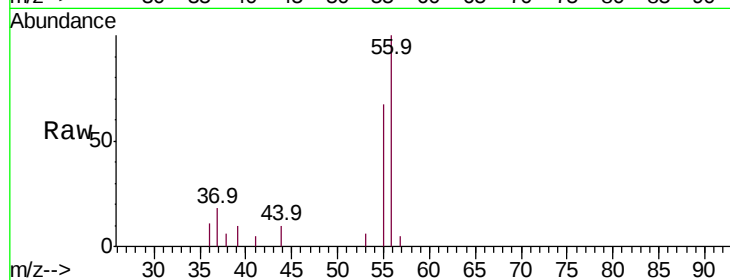
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 4509

Ion Ratio Lower Upper

56 100

55 70.5 56.1 84.1



#14

Allyl chloride

Concen: 5.165 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

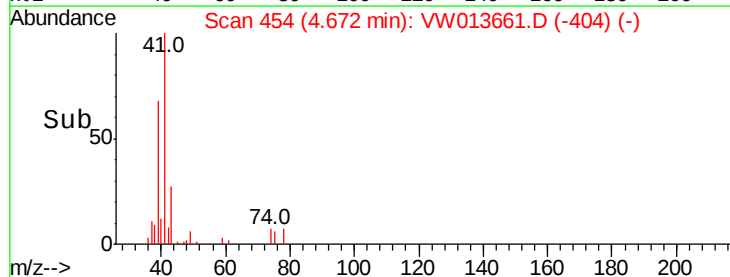
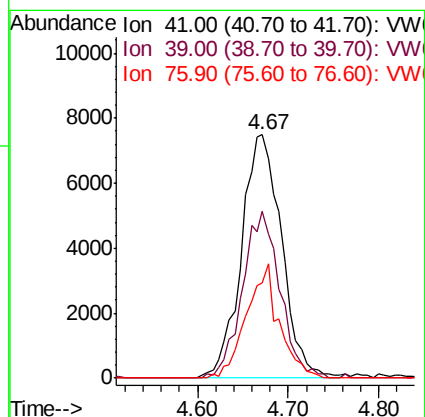
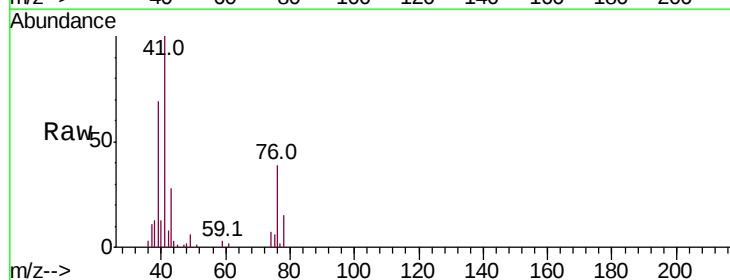
Tgt Ion: 41 Resp: 23000

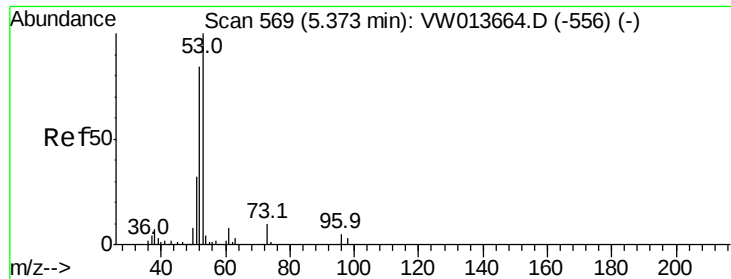
Ion Ratio Lower Upper

41 100

39 64.0 50.0 75.0

76 38.1 29.6 44.4





#15

Acrylonitrile

Concen: 22.942 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :
MSVOA_W
ClientSampleId :

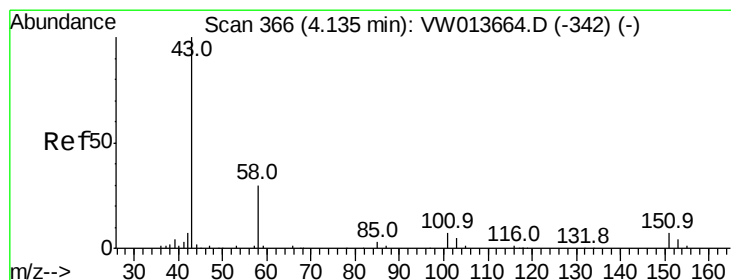
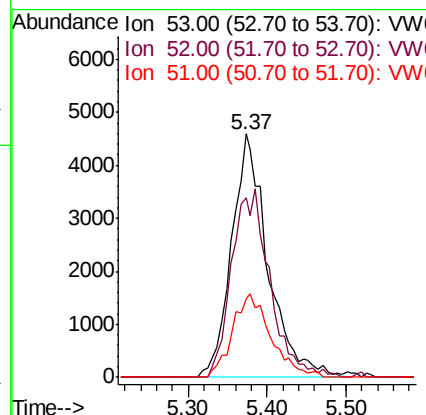
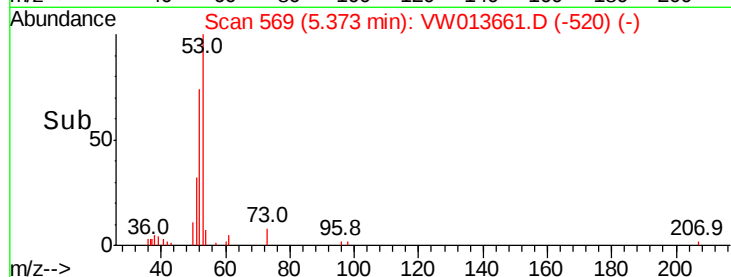
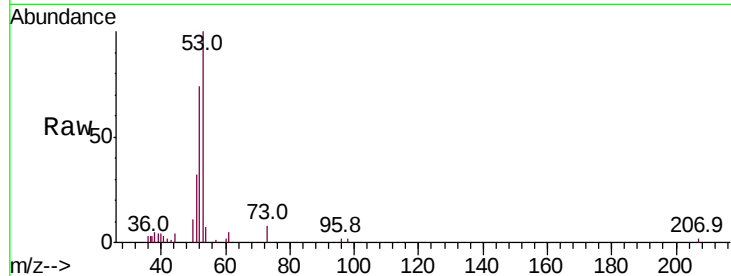
Tot Ion: 53 Resp: 14743

Ion Ratio Lower Upper

53 100

52 81.2 67.4 101.0

51 36.2 29.1 43.7



#16

Acetone

Concen: 22.548 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013661.D

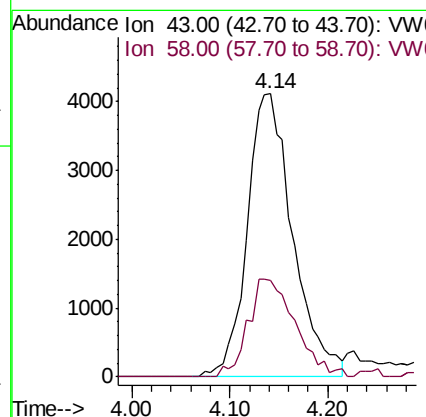
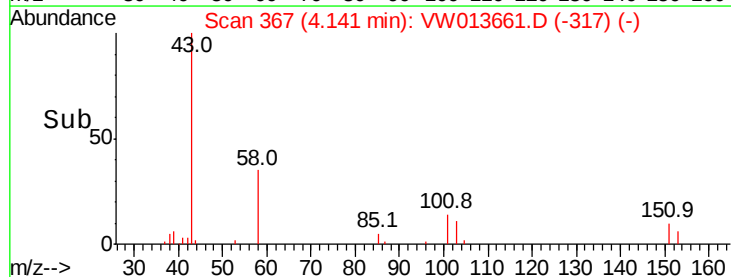
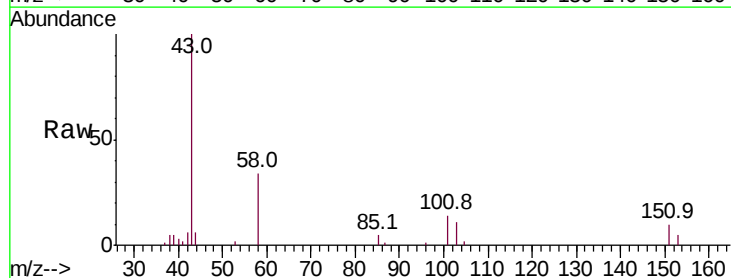
Acq: 23 Oct 2019 11:23

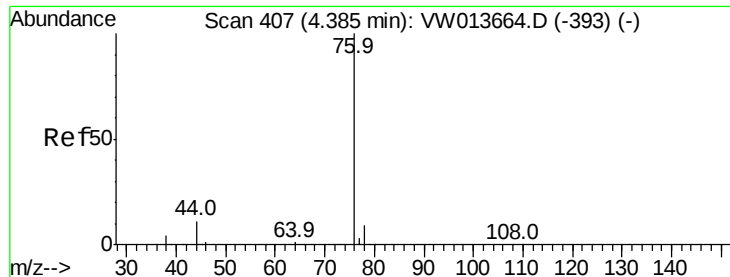
Tgt Ion: 43 Resp: 13284

Ion Ratio Lower Upper

43 100

58 34.2 24.1 36.1

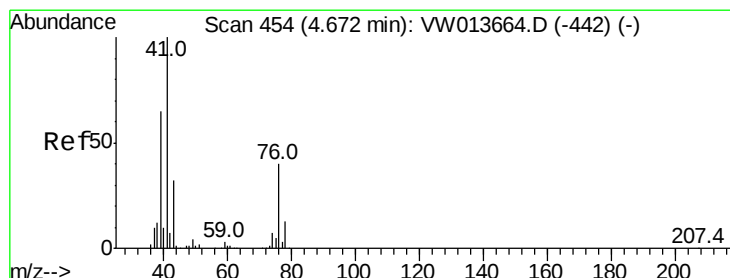
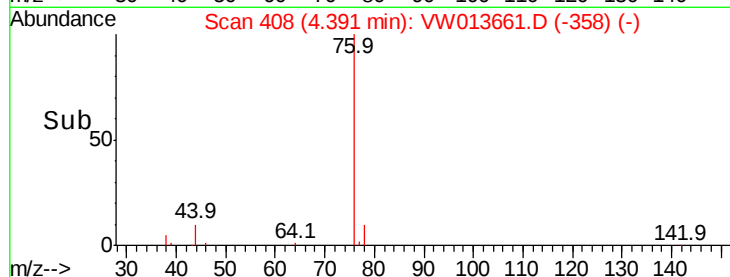
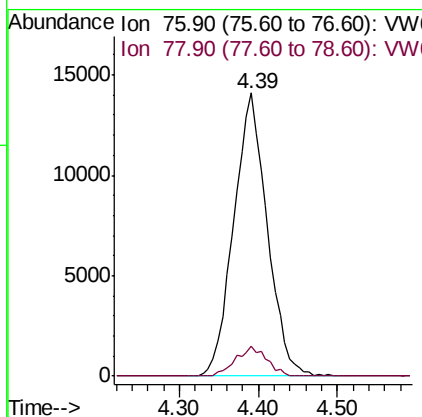
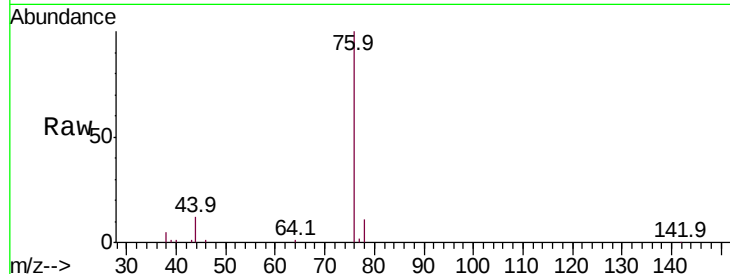




#17
Carbon Disulfide
Concen: 5.097 ug/l
RT: 4.39 min Scan# 408
Delta R.T. 0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

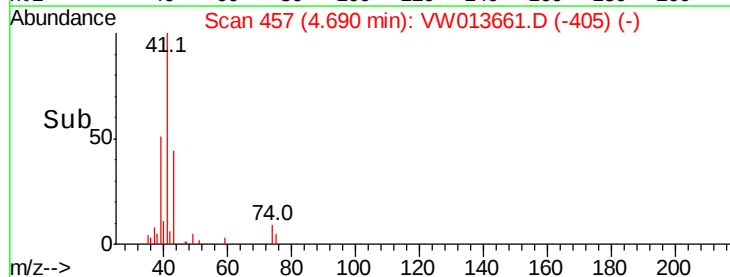
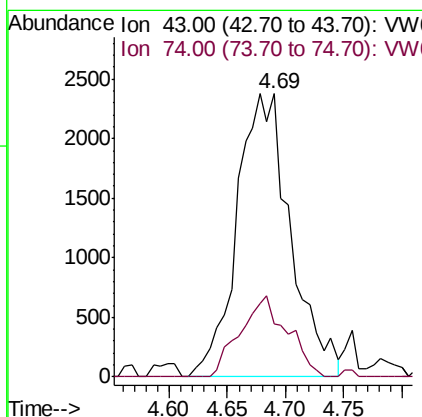
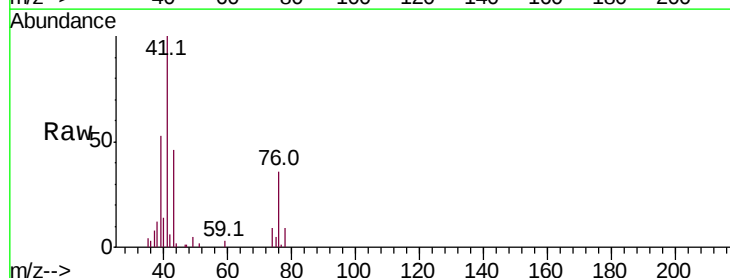
Instrument :
MSVOA_W
ClientSampleId :

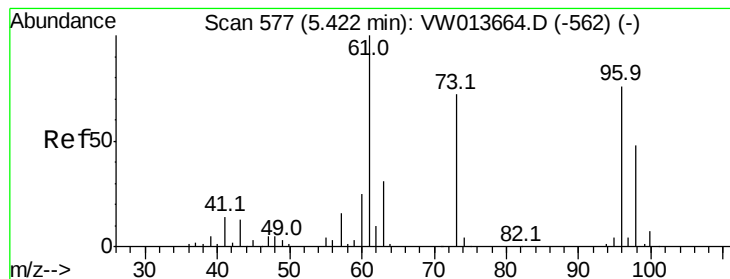
Tot Ion: 76 Resp: 41578
Ion Ratio Lower Upper
76 100
78 10.5 7.0 10.6



#18
Methyl Acetate
Concen: 4.528 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion: 43 Resp: 7608
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 4.368 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

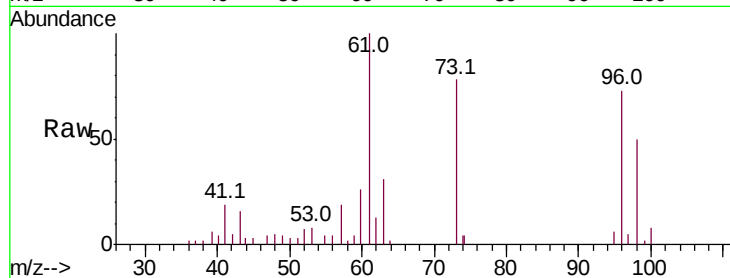
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 18493

Ion Ratio Lower Upper

73 100

57 24.5 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

6000

5000

4000

3000

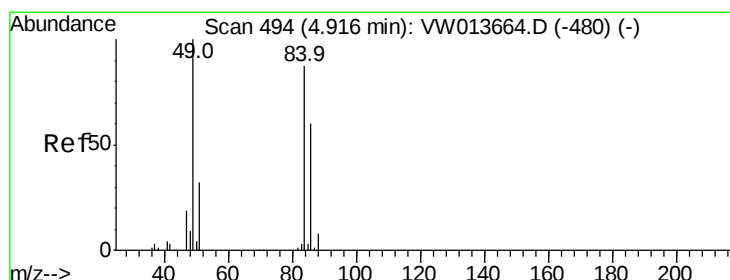
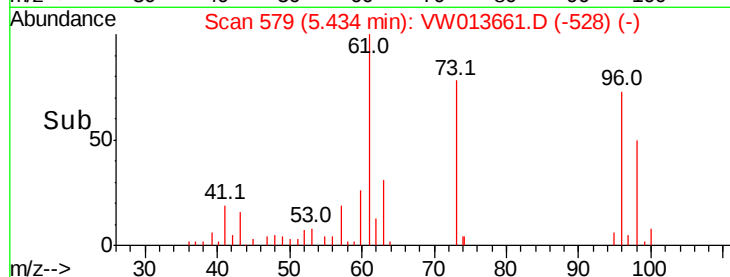
2000

1000

0

5.30 5.40 5.50

Time-->



#20

Methylene Chloride

Concen: 6.657 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Tgt Ion: 84 Resp: 21939

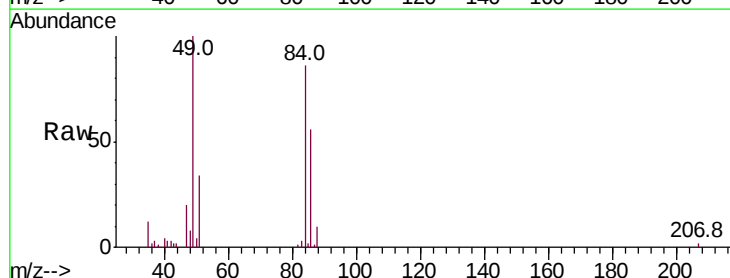
Ion Ratio Lower Upper

84 100

49 116.8 91.8 137.6

51 39.1 29.8 44.6

86 65.7 55.2 82.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

10000

8000

6000

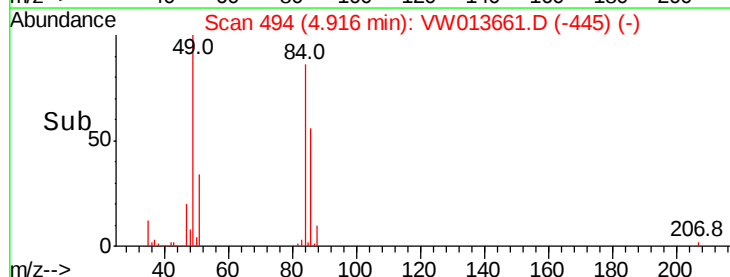
4000

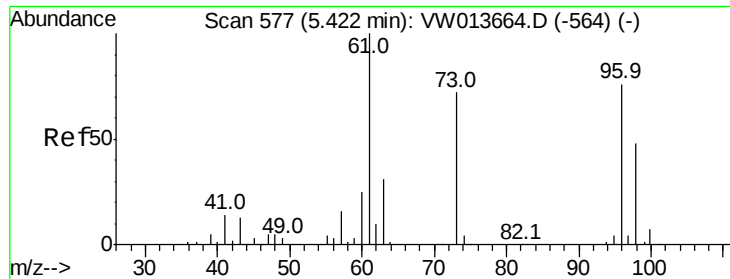
2000

0

4.80 4.90 5.00

Time-->





#21

trans-1,2-Dichloroethene

Concen: 5.379 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :
MSVOA_W
ClientSampled :

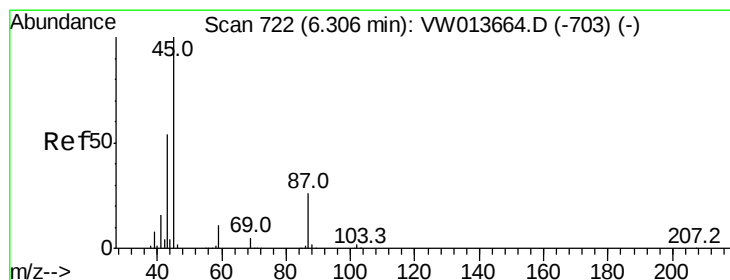
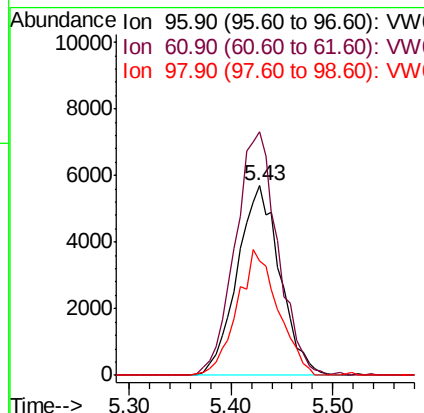
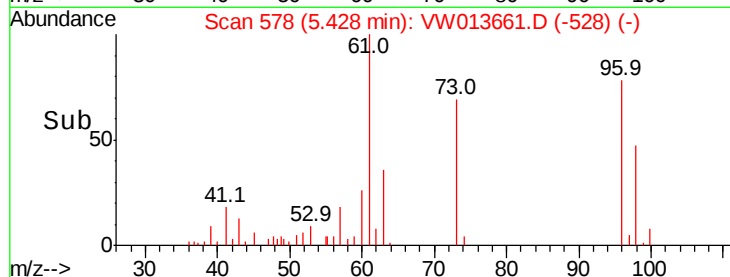
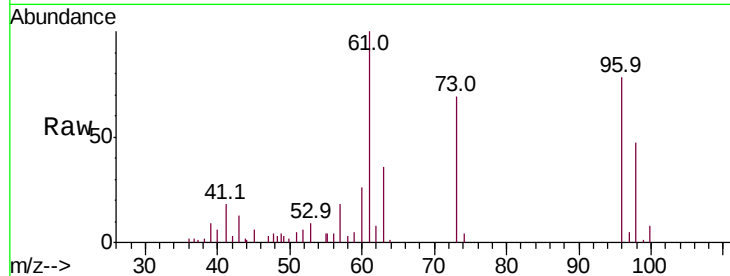
Tot Ion: 96 Resp: 16604

Ion Ratio Lower Upper

96 100

61 128.3 104.8 157.2

98 60.3 50.6 76.0



#22

Diisopropyl ether

Concen: 5.078 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Tgt Ion: 45 Resp: 42261

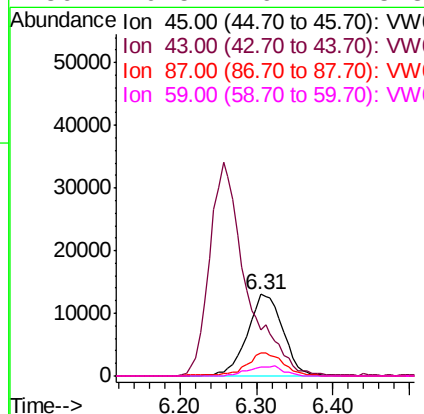
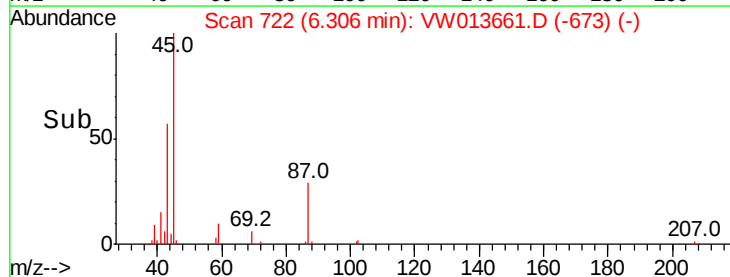
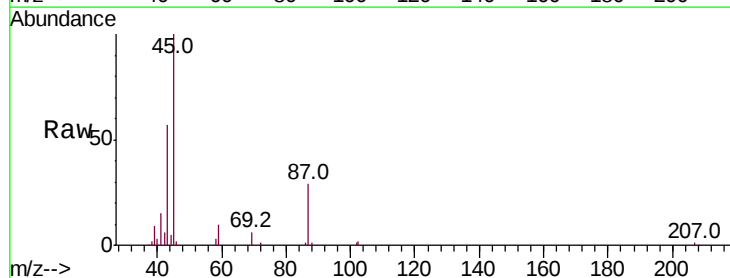
Ion Ratio Lower Upper

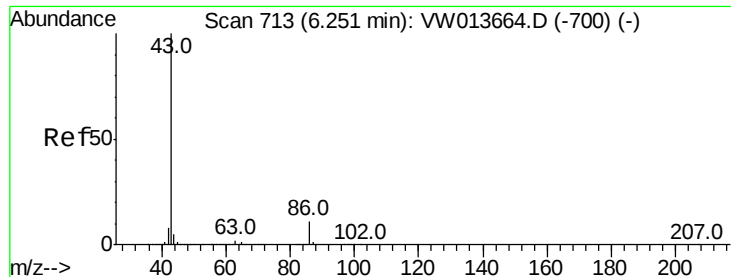
45 100

43 55.2 43.4 65.2

87 28.9 21.5 32.3

59 10.5 9.2 13.8





#23

Vinyl Acetate

Concen: 22.945 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

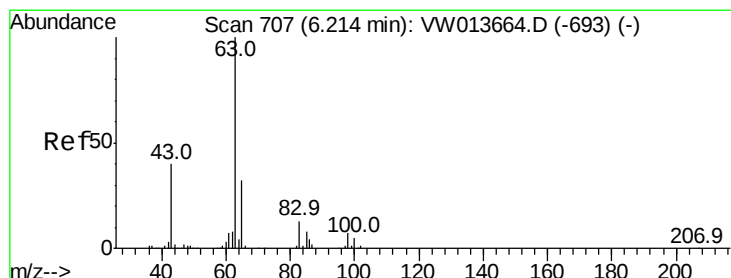
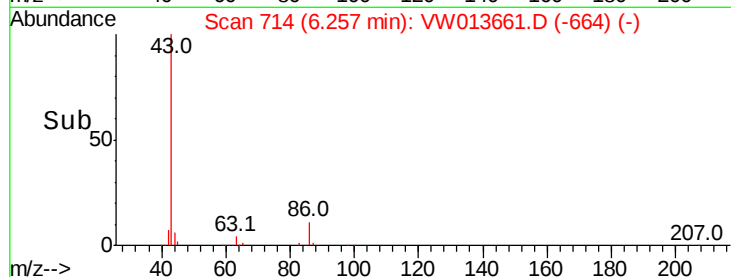
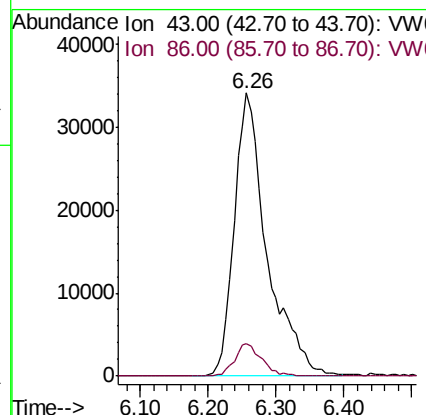
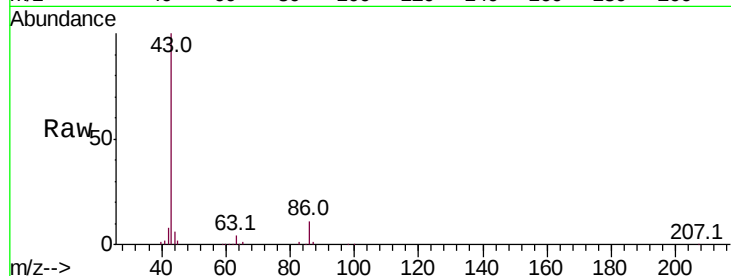
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 114040

Ion Ratio Lower Upper

43 100

86 11.3 9.0 13.6



#24

1,1-Dichloroethane

Concen: 5.226 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

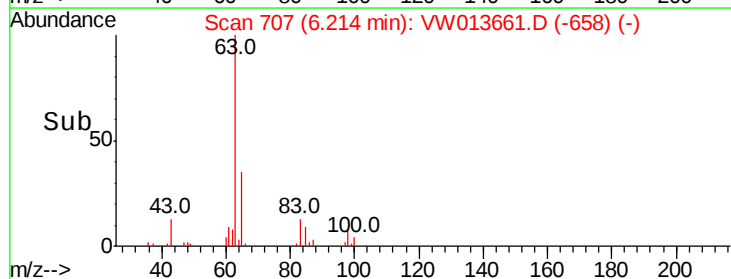
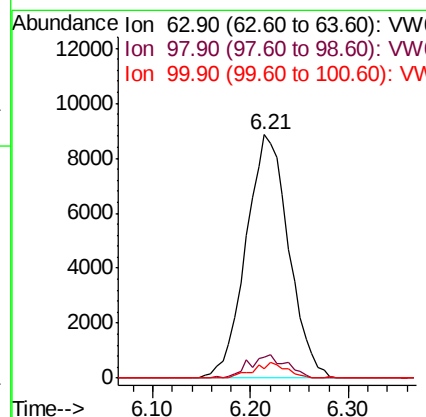
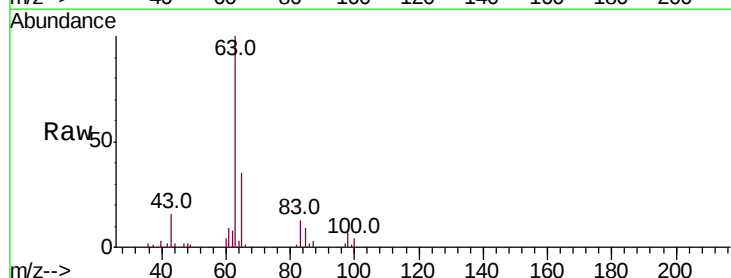
Tgt Ion: 63 Resp: 26762

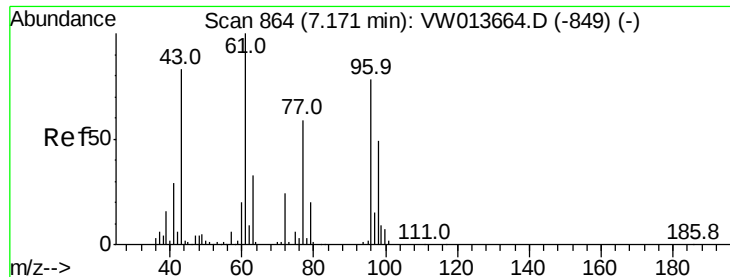
Ion Ratio Lower Upper

63 100

98 8.4 3.6 10.9

100 4.0 2.5 7.4

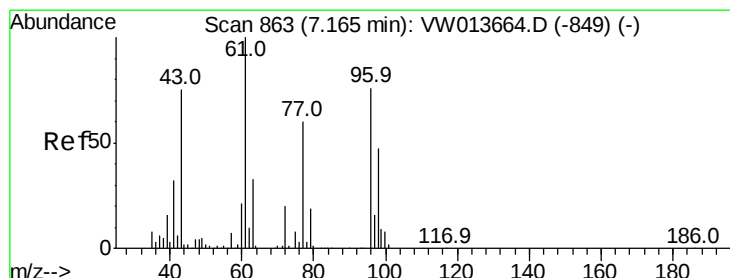
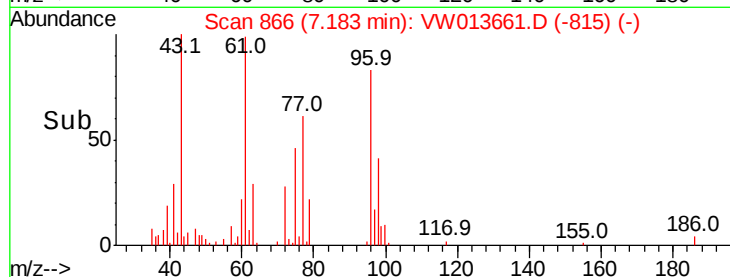
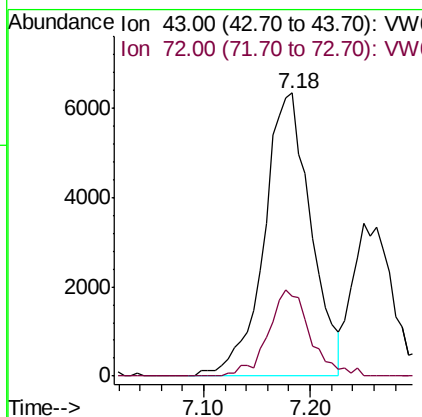
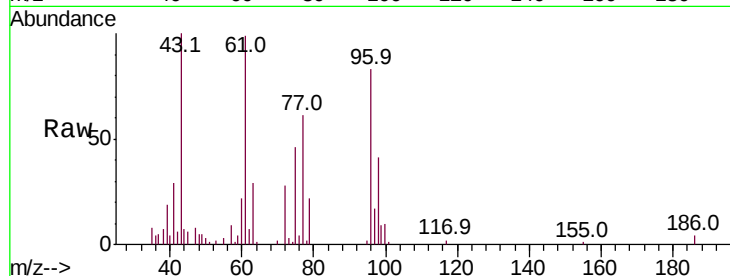




#25
2-Butanone
Concen: 22.425 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

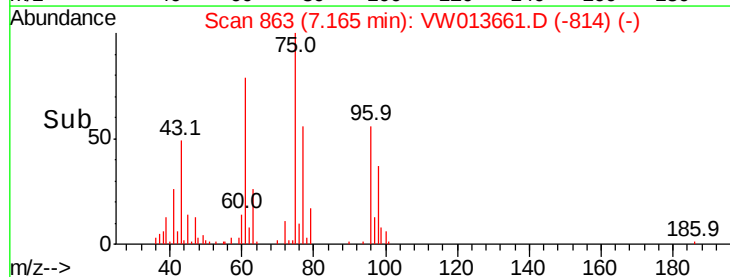
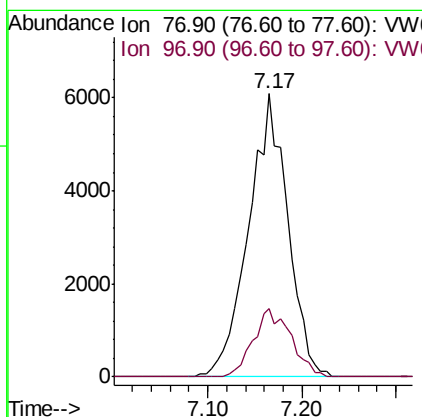
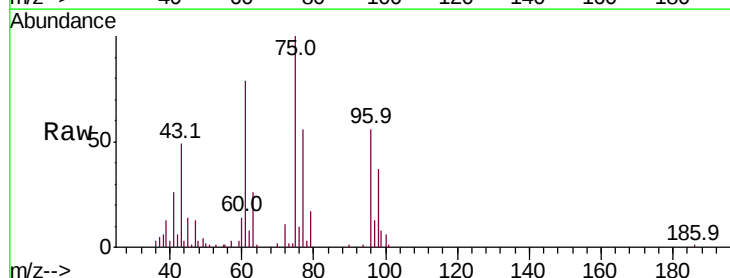
Instrument :
MSVOA_W
ClientSampleId :

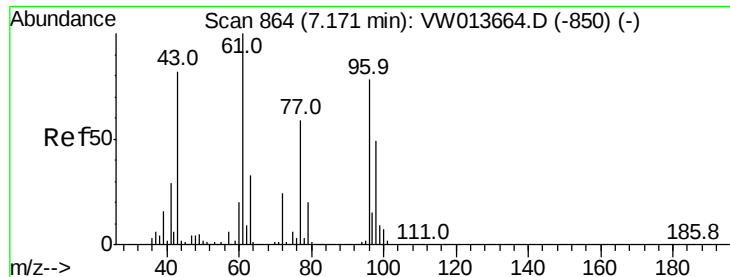
Tot Ion: 43 Resp: 19384
Ion Ratio Lower Upper
43 100
72 28.1 23.6 35.4



#26
2,2-Dichloropropane
Concen: 5.484 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion: 77 Resp: 17701
Ion Ratio Lower Upper
77 100
97 23.3 12.8 38.4



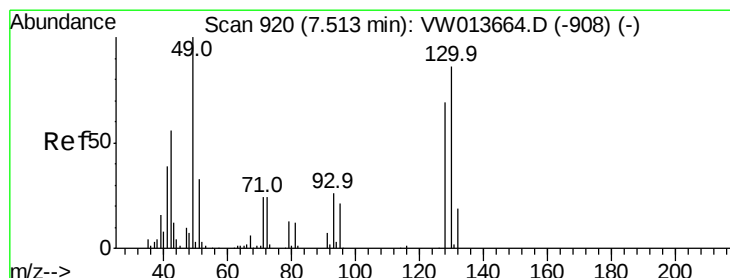
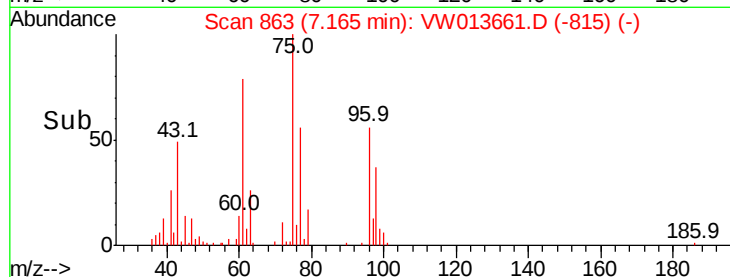
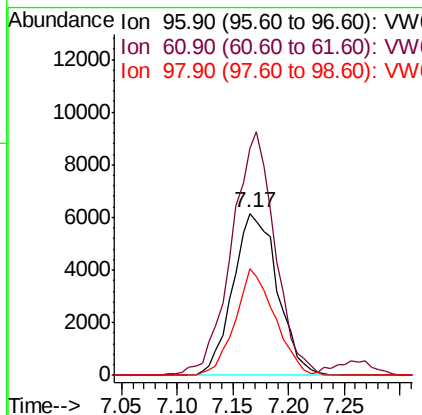
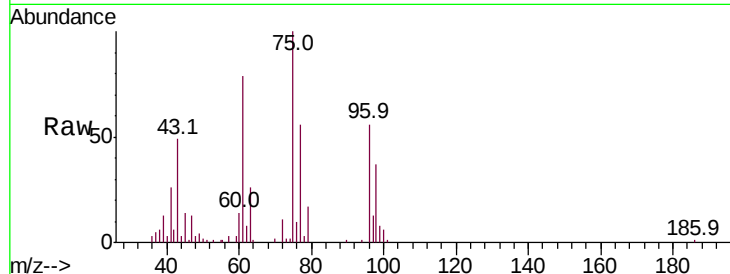


#27

cis-1,2-Dichloroethene
Concen: 5.235 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Instrument :
MSVOA_W
ClientSampleId :

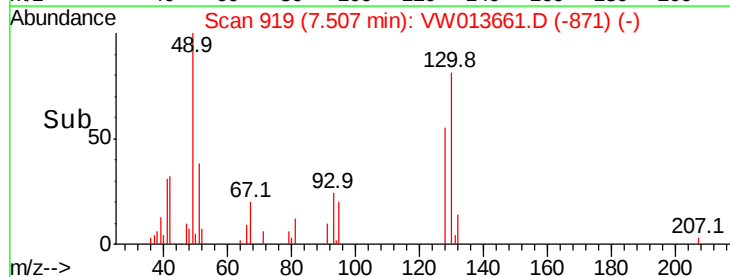
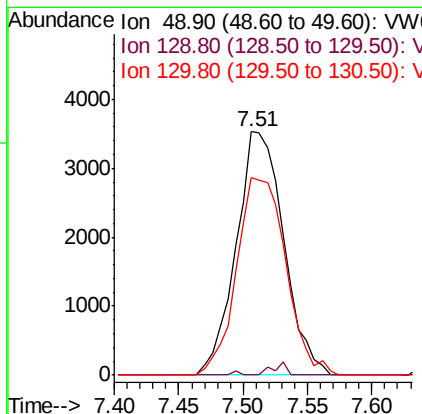
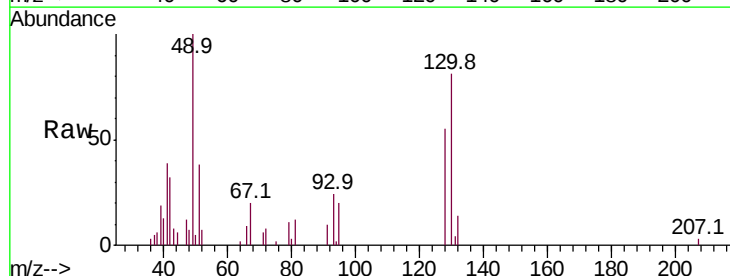
Tot Ion: 96 Resp: 17124
Ion Ratio Lower Upper
96 100
61 145.8 0.0 266.0
98 58.5 0.0 126.8

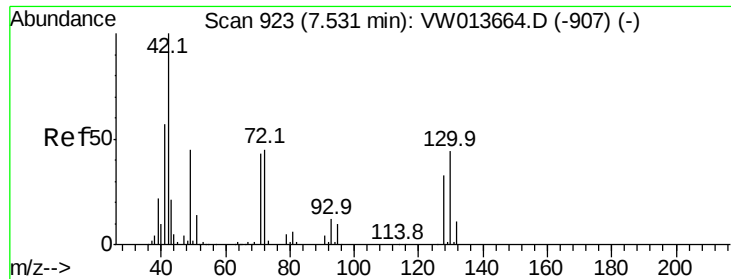


#28

Bromochloromethane
Concen: 4.948 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion: 49 Resp: 9043
Ion Ratio Lower Upper
49 100
129 0.2 0.0 0.6
130 83.9 67.5 101.3

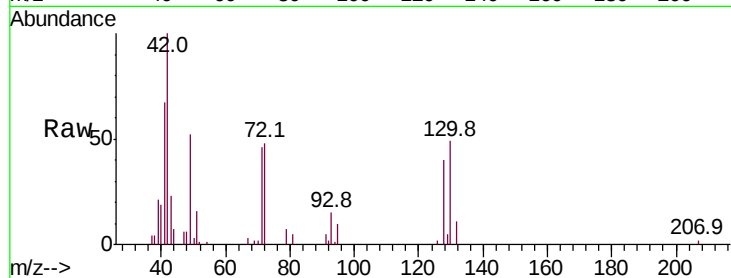




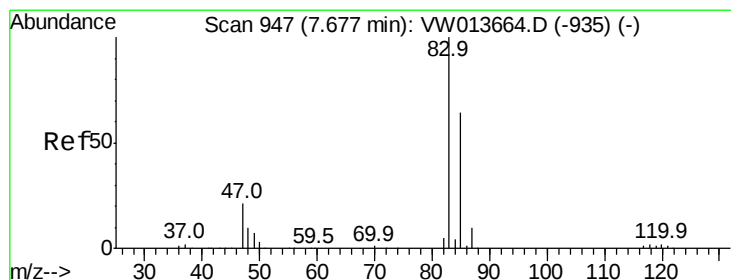
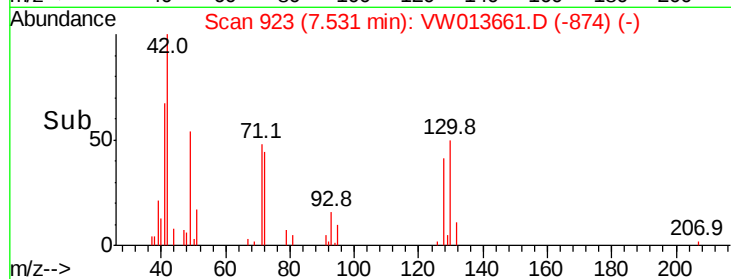
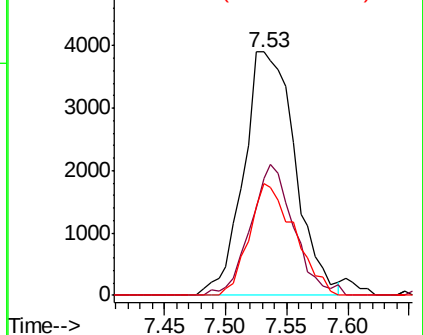
#29
Tetrahydrofuran
Concen: 21.577 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 11386
Ion Ratio Lower Upper
42 100
72 45.0 35.3 52.9
71 40.6 33.3 49.9

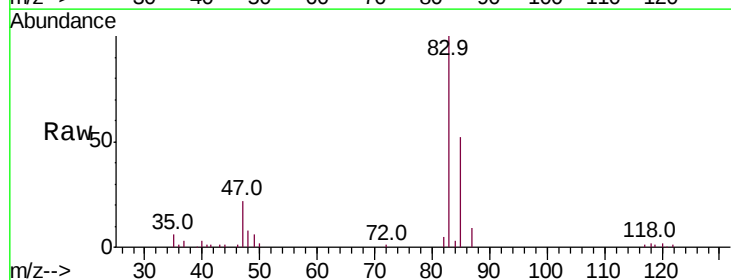


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

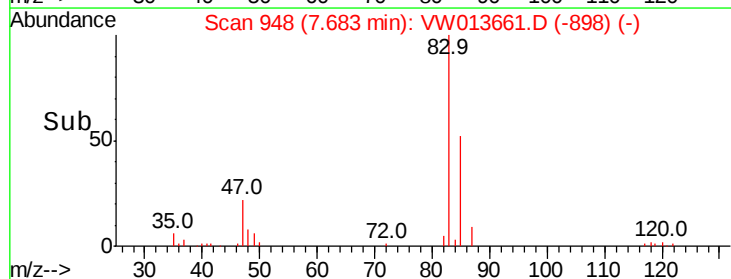
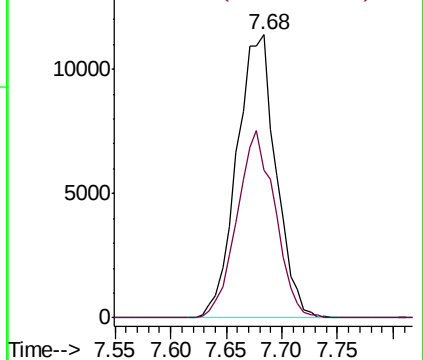


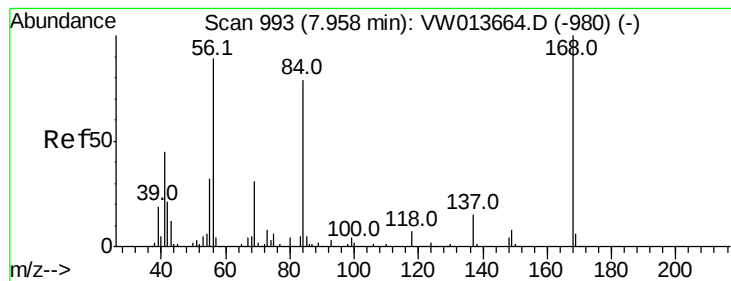
#30
Chloroform
Concen: 5.638 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion: 83 Resp: 27893
Ion Ratio Lower Upper
83 100
85 52.1 51.4 77.2



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





#31

Cyclohexane

Concen: 5.918 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

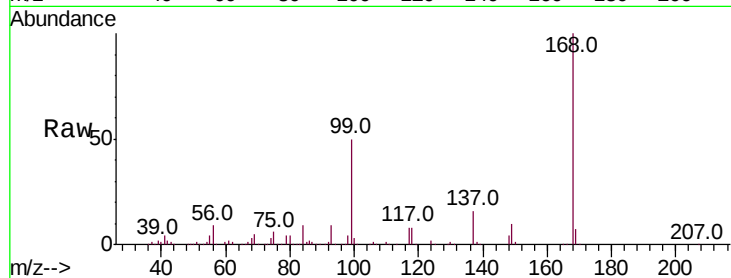
Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

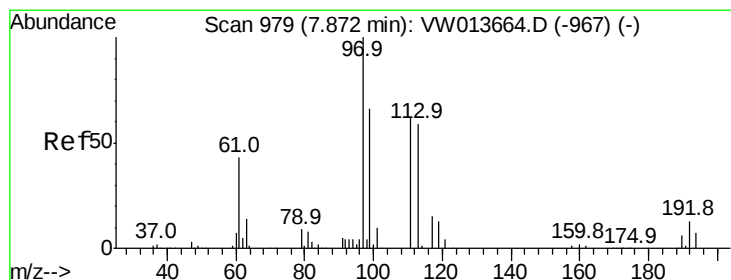
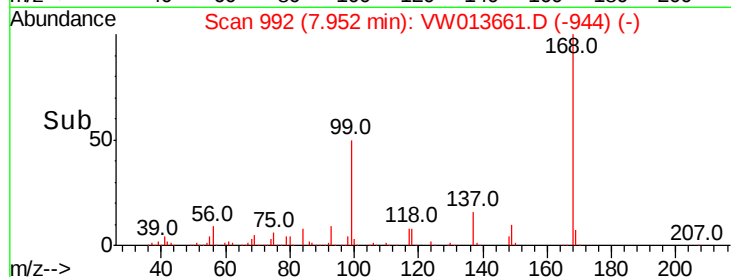
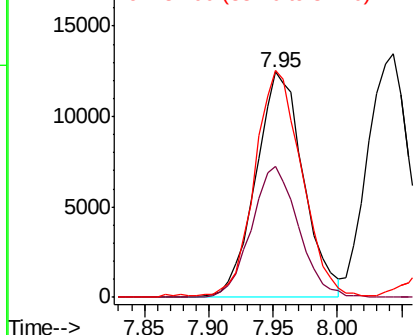
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 31938

Ion	Ratio	Lower	Upper
56	100		
69	57.8	27.5	41.3#
84	99.8	70.8	106.2



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



#32

1,1,1-Trichloroethane

Concen: 5.169 ug/l

RT: 7.88 min Scan# 980

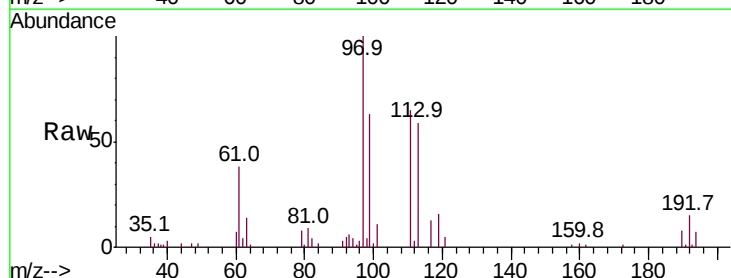
Delta R.T. 0.01 min

Lab File: VW013661.D

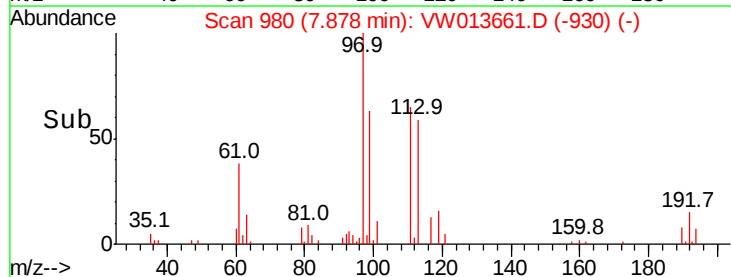
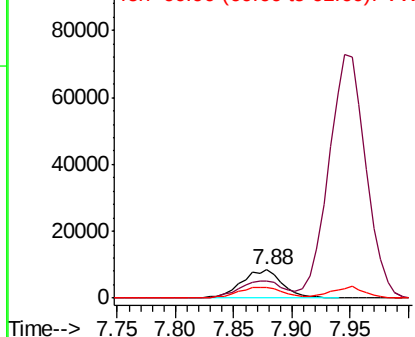
Acq: 23 Oct 2019 11:23

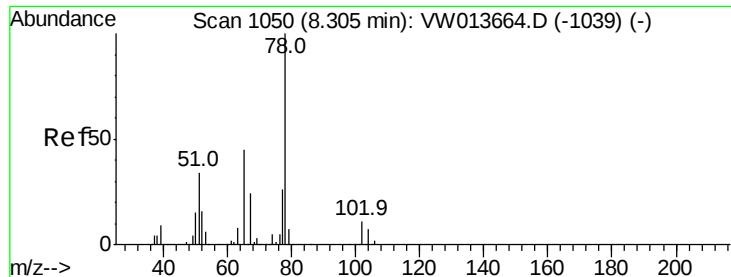
Tgt Ion: 97 Resp: 20688

Ion	Ratio	Lower	Upper
97	100		
99	66.6	52.0	78.0
61	43.0	33.8	50.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

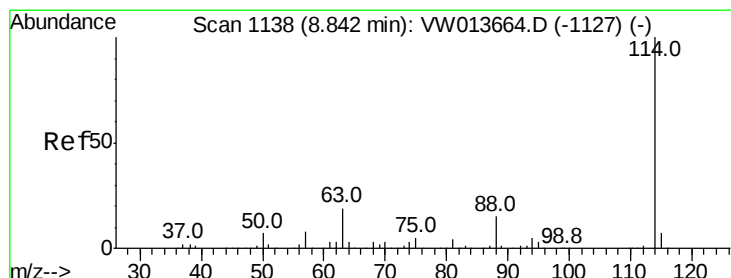
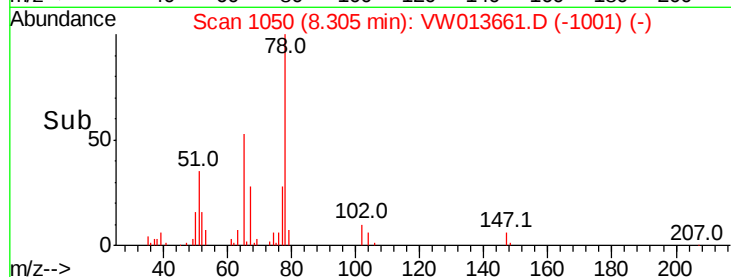
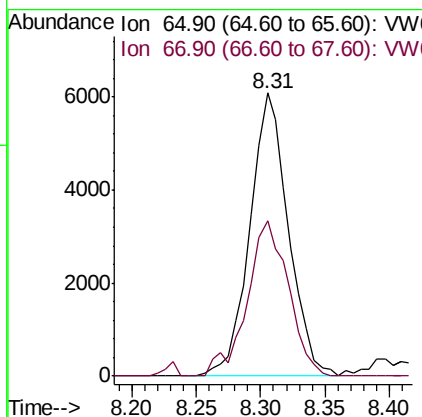
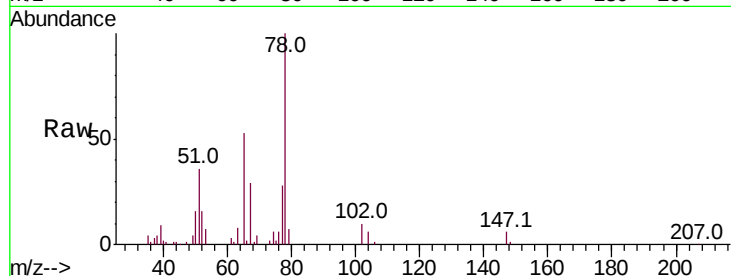




#33
 1,2-Dichloroethane-d4
 Concen: 4.850 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

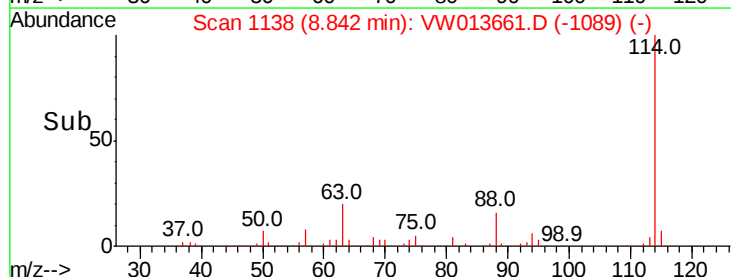
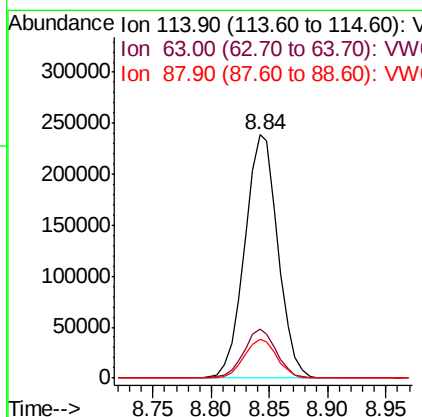
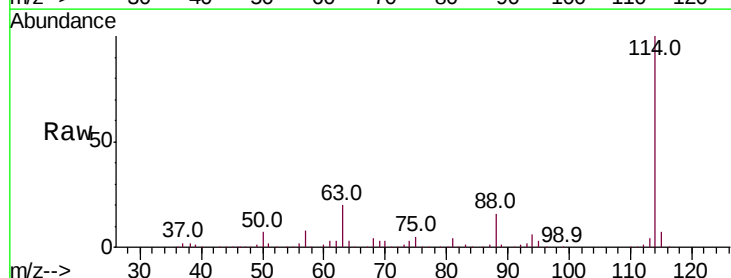
Instrument :
 MSVOA_W
 ClientSampleId :

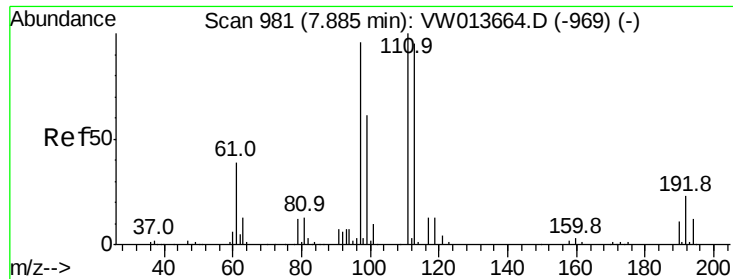
Tot Ion: 65 Resp: 12560
 Ion Ratio Lower Upper
 65 100
 67 59.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

Tgt Ion: 114 Resp: 474056
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 37.6
 88 15.9 0.0 30.2

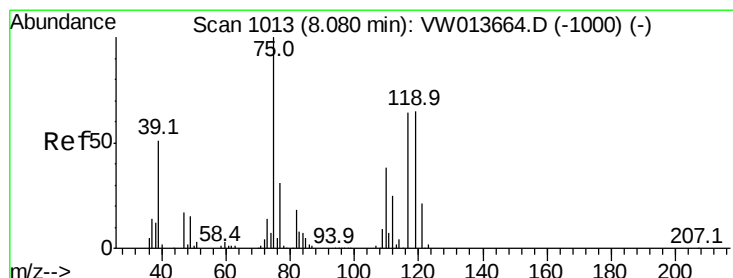
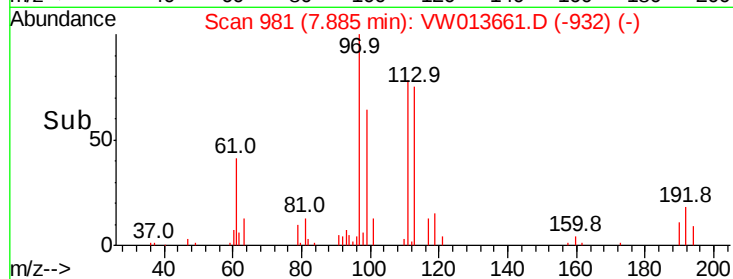
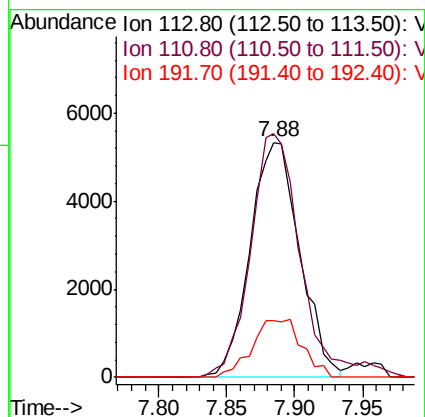
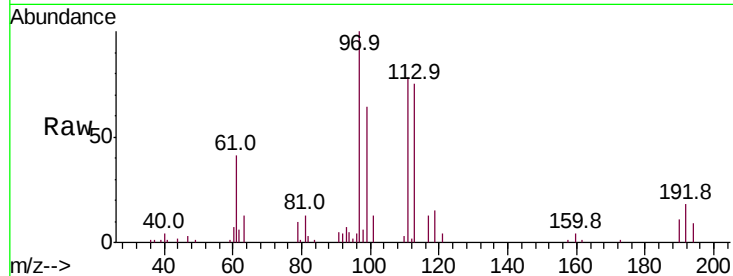




#35
 Dibromofluoromethane
 Concen: 5.077 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

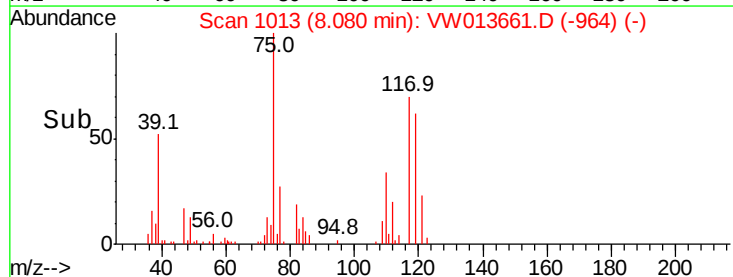
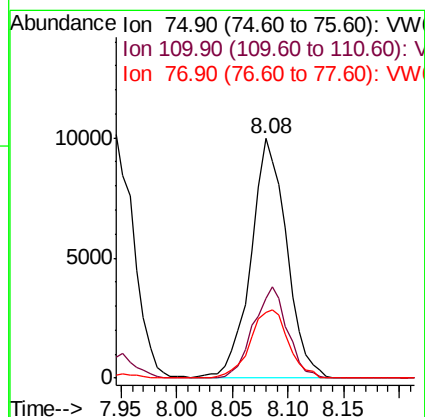
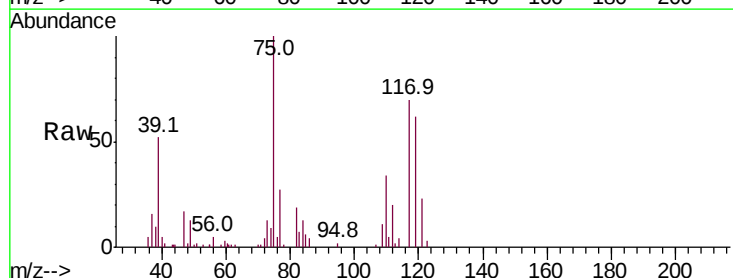
Instrument :
 MSVOA_W
 ClientSampleId :

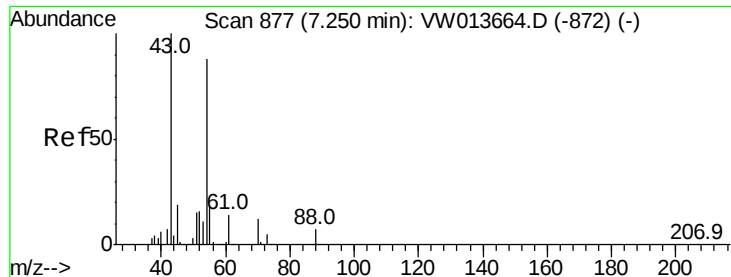
Tot Ion:113 Resp: 13595
 Ion Ratio Lower Upper
 113 100
 111 105.6 83.0 124.6
 192 24.8 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 5.173 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

Tgt Ion: 75 Resp: 22305
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.7 56.1
 77 30.3 25.4 38.0

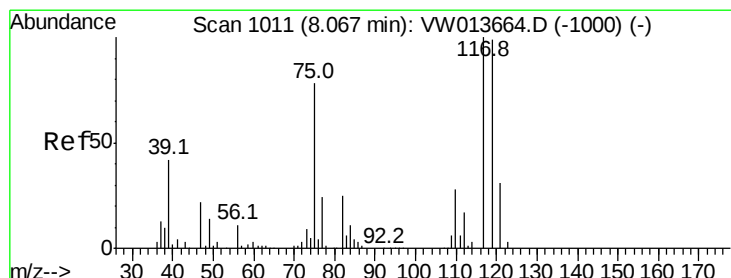
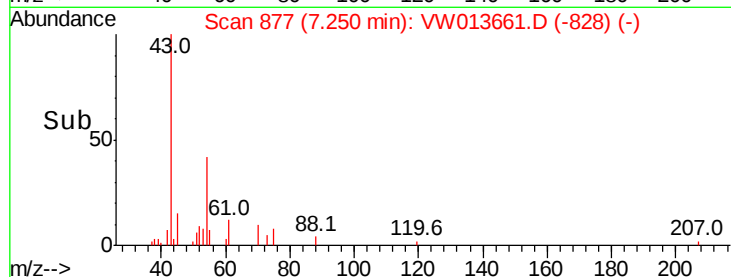
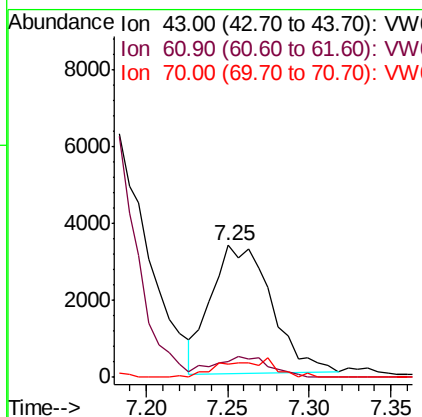
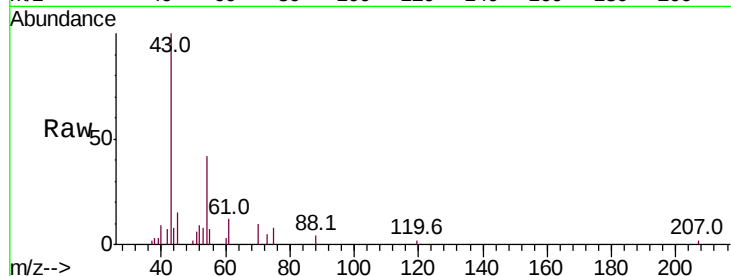




#37
Ethyl Acetate
Concen: 4.495 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

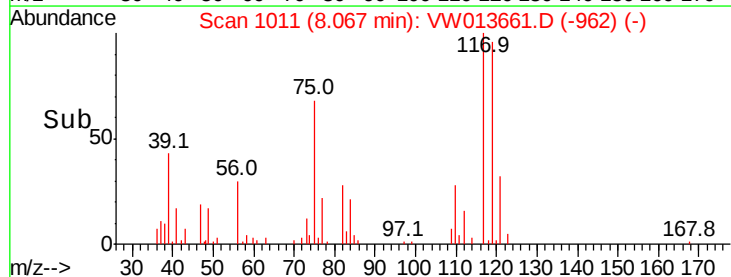
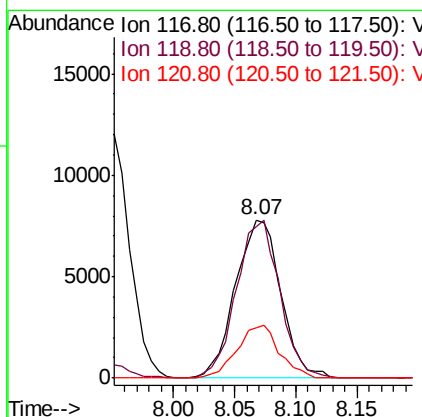
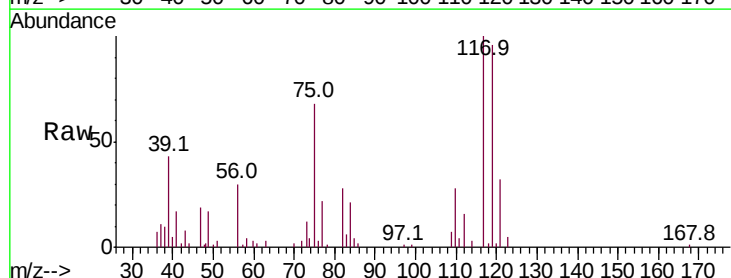
Instrument :
MSVOA_W
ClientSampled :

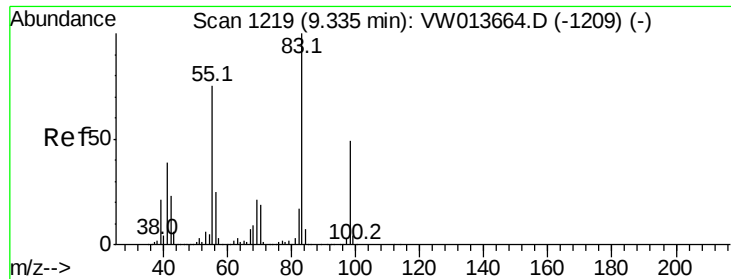
Tot Ion: 43 Resp: 8572
Ion Ratio Lower Upper
43 100
61 15.5 11.7 17.5
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.266 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion: 117 Resp: 20084
Ion Ratio Lower Upper
117 100
119 95.9 79.0 118.4
121 32.2 24.5 36.7

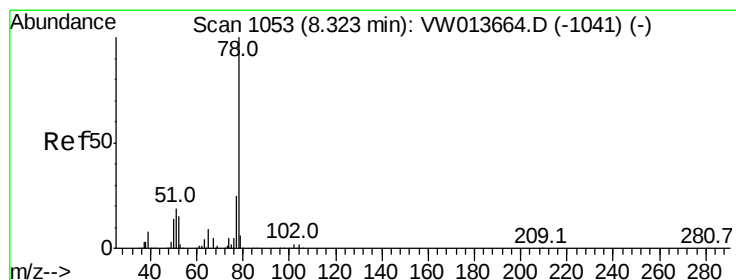
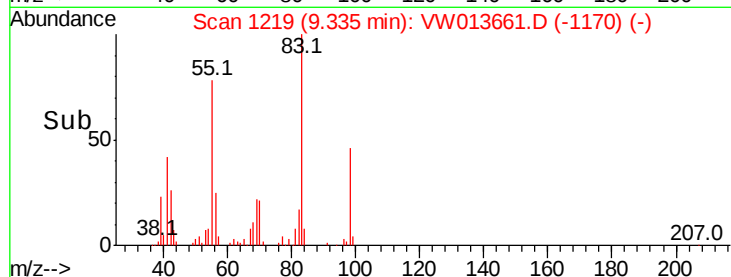
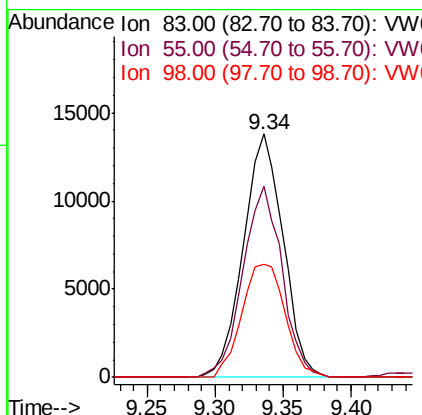
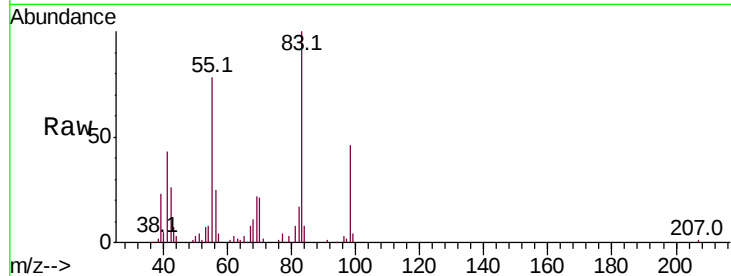




#39
Methvlcvclohexane
Concen: 5.070 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

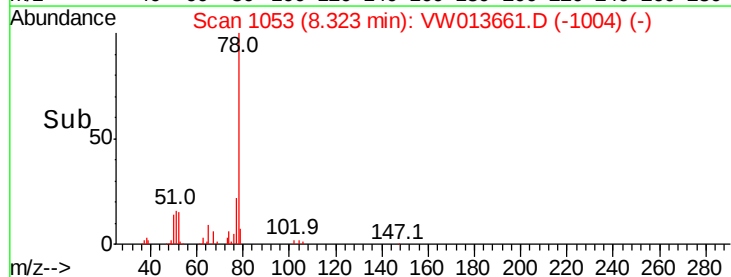
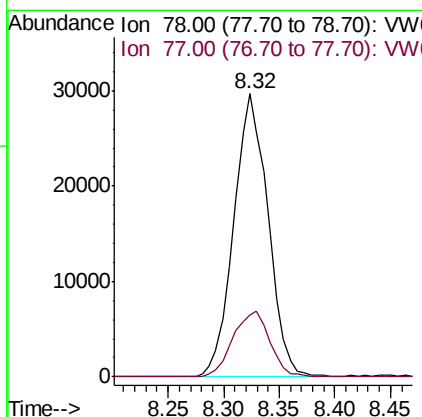
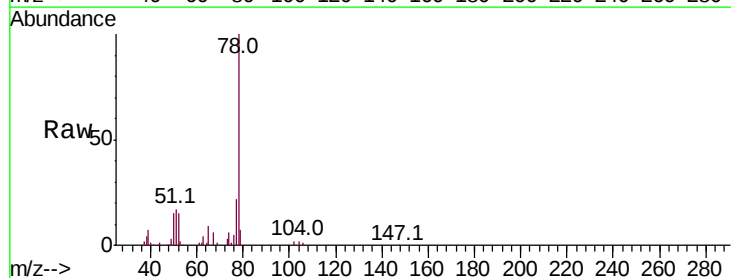
Instrument :
MSVOA_W
ClientSampled :

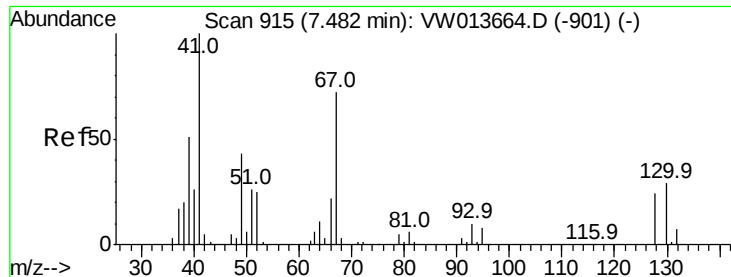
Tot Ion: 83 Resp: 28336
Ion Ratio Lower Upper
83 100
55 78.4 59.9 89.9
98 46.2 39.4 59.2



#40
Benzene
Concen: 5.261 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion: 78 Resp: 63464
Ion Ratio Lower Upper
78 100
77 22.1 19.6 29.4





#41

Methacrylonitrile

Concen: 4.961 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 5411

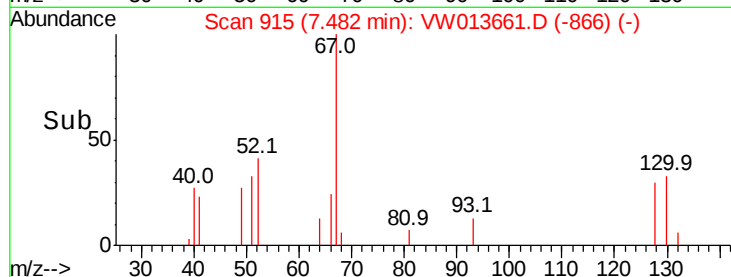
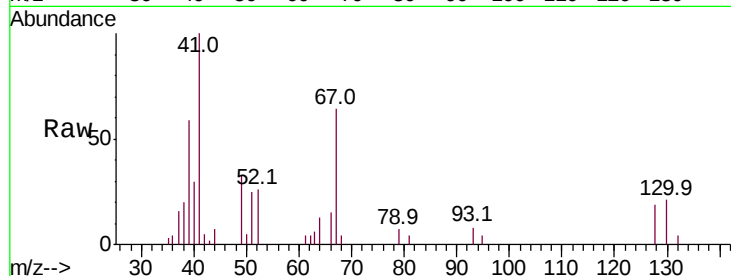
Ion	Ratio	Lower	Upper
41	100		
39	45.4	44.8	67.2
67	64.4	59.3	88.9
52	26.9	23.4	35.0

41 100

39 45.4 44.8 67.2

67 64.4 59.3 88.9

52 26.9 23.4 35.0

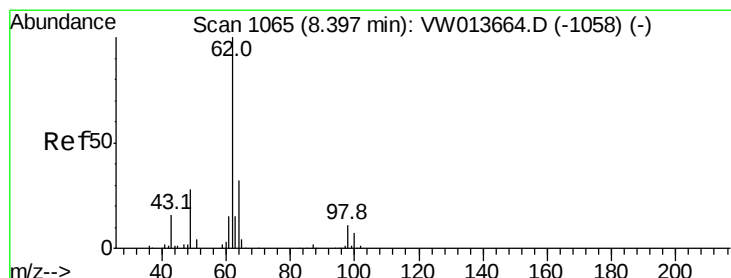
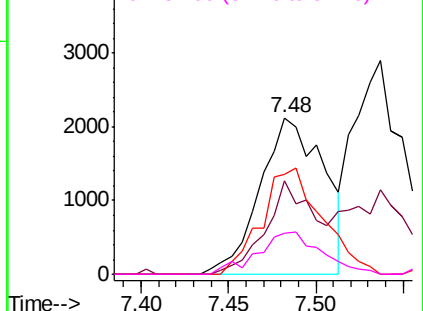


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 5.207 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW013661.D

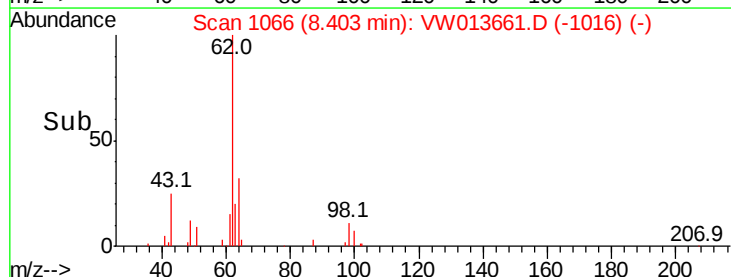
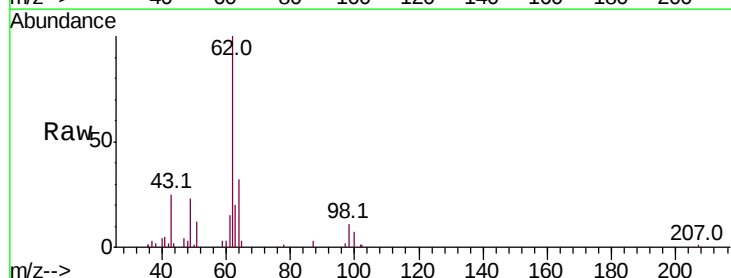
Acq: 23 Oct 2019 11:23

Tgt Ion: 62 Resp: 15884

Ion	Ratio	Lower	Upper
62	100		
98	12.2	0.0	22.4

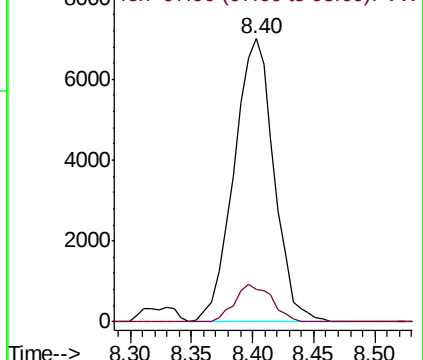
62 100

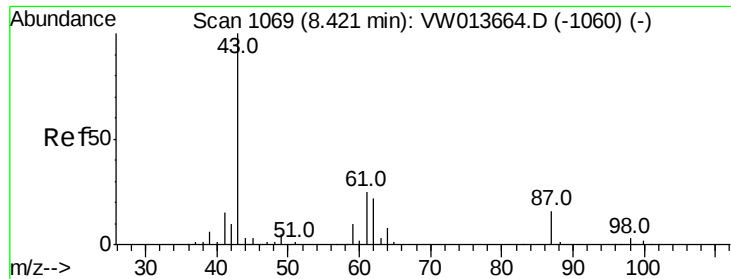
98 12.2 0.0 22.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.650 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

ClientSampleId :

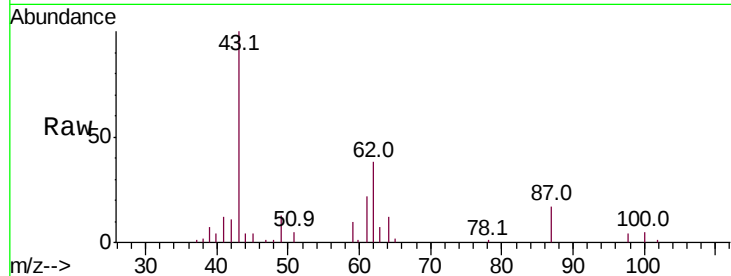
Tot Ion: 43 Resp: 16168

Ion Ratio Lower Upper

43 100

61 32.5 26.1 39.1

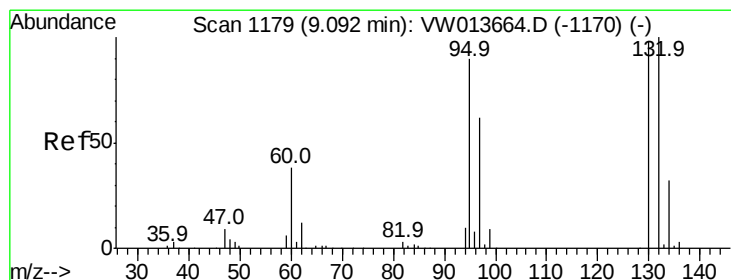
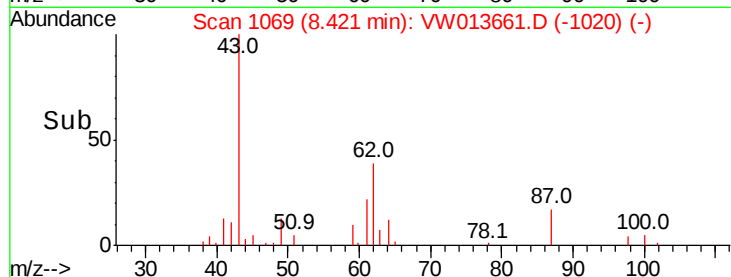
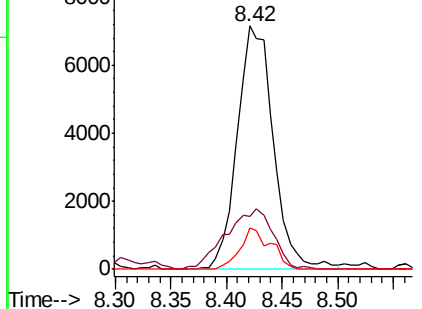
87 14.4 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 5.346 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013661.D

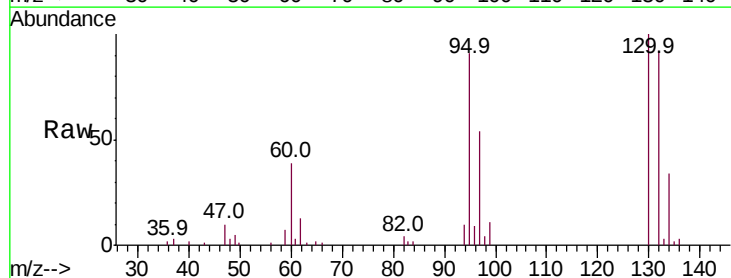
Acq: 23 Oct 2019 11:23

Tgt Ion: 130 Resp: 18403

Ion Ratio Lower Upper

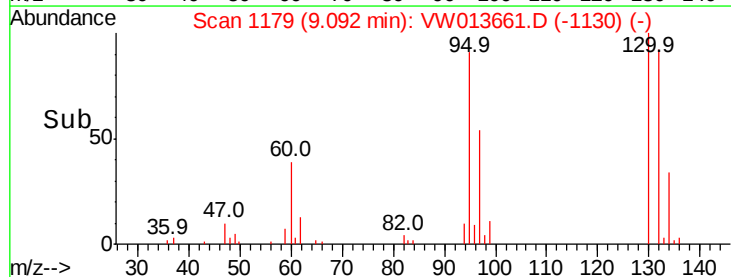
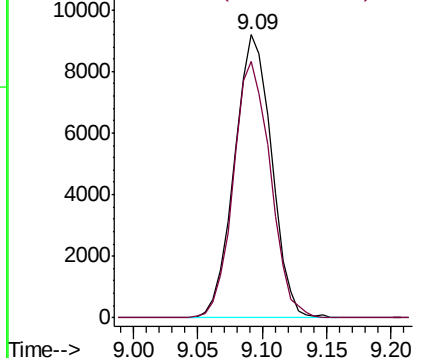
130 100

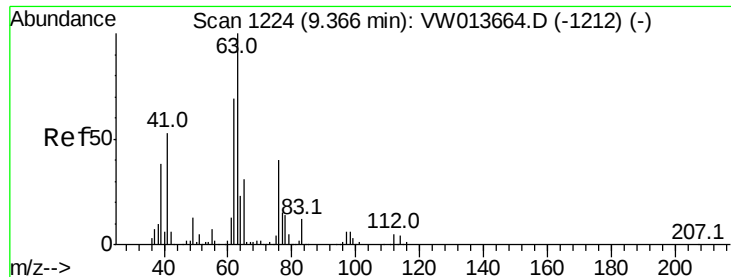
95 90.7 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 5.077 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

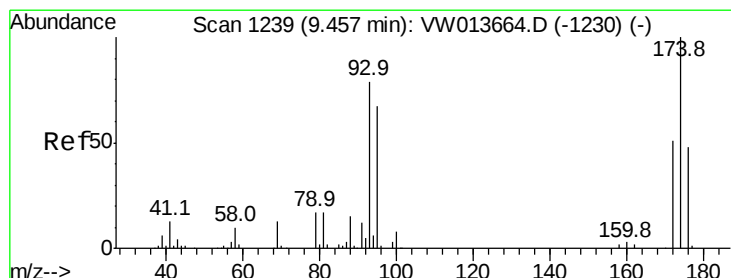
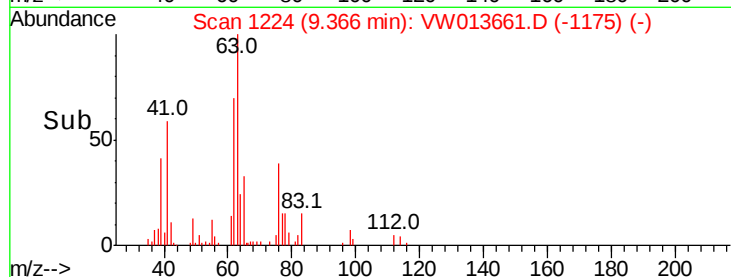
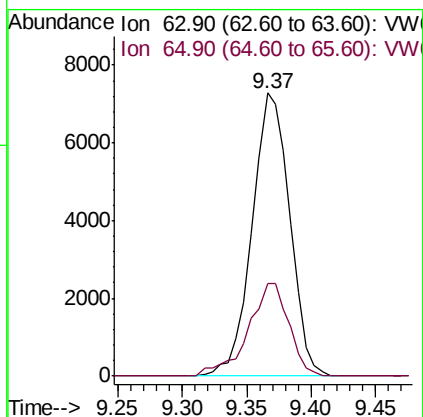
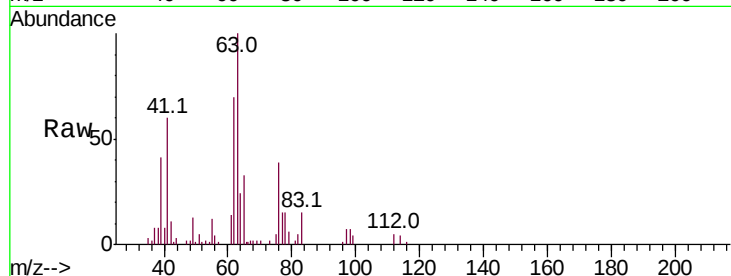
ClientSampleId :

Tot Ion: 63 Resp: 14715

Ion Ratio Lower Upper

63 100

65 32.7 25.2 37.8



#46

Dibromomethane

Concen: 4.970 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

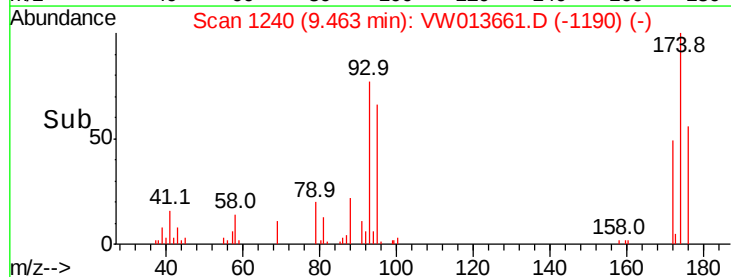
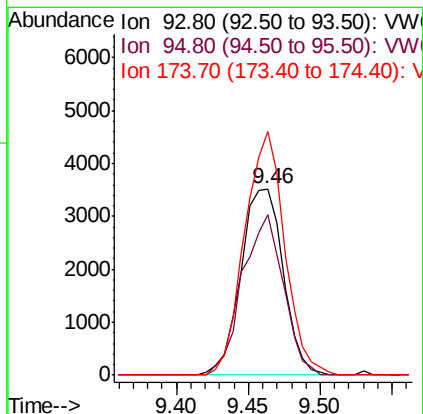
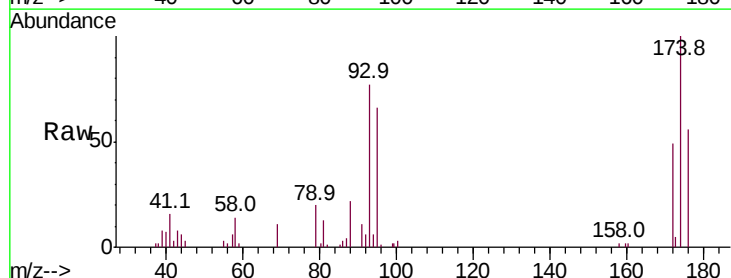
Tgt Ion: 93 Resp: 7153

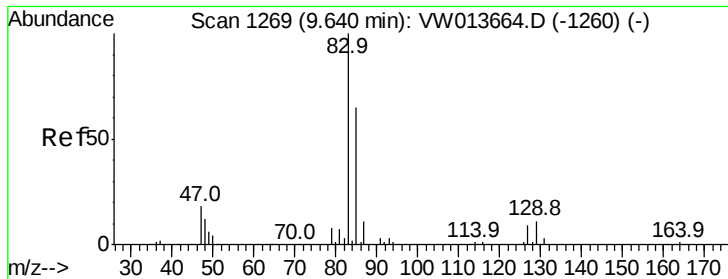
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 123.9 99.6 149.4





#47

Bromodichloromethane

Concen: 5.247 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

ClientSampleId :

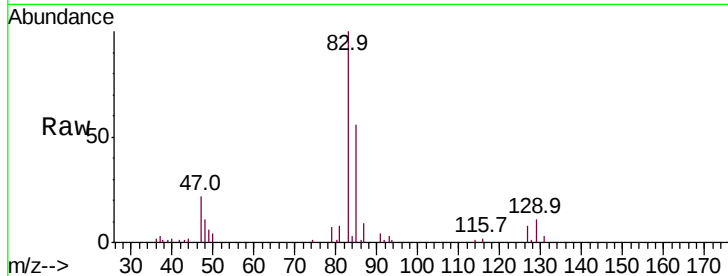
Tot Ion: 83 Resp: 18865

Ion Ratio Lower Upper

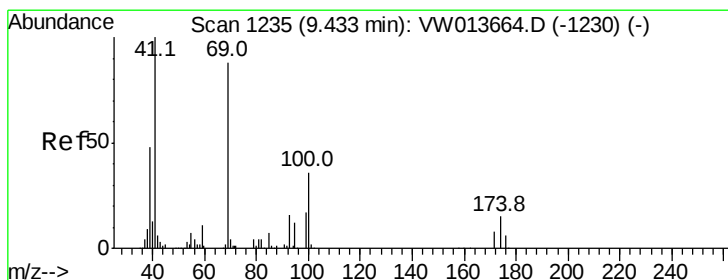
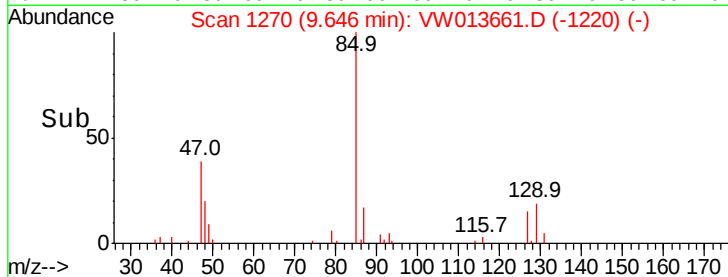
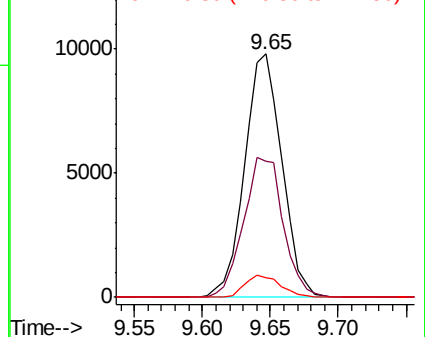
83 100

85 55.7 51.8 77.6

127 8.2 7.3 10.9



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): V



#48

Methyl methacrylate

Concen: 4.016 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

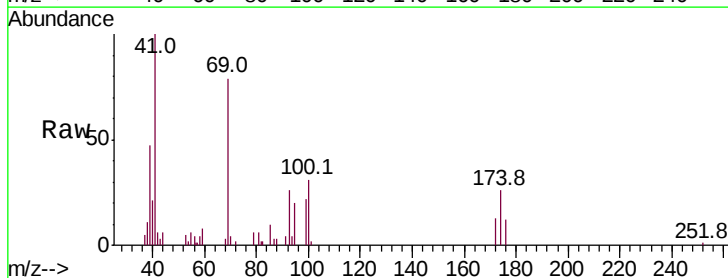
Tgt Ion: 41 Resp: 6918

Ion Ratio Lower Upper

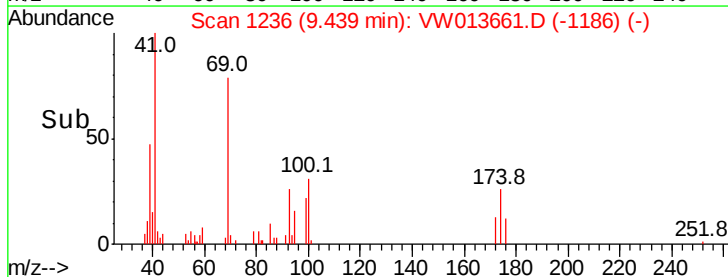
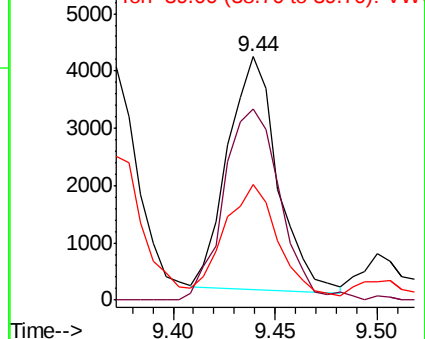
41 100

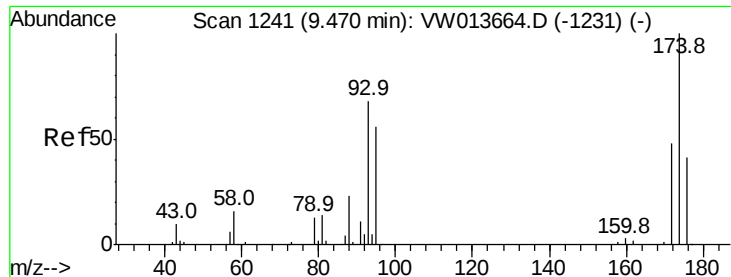
69 92.5 67.6 101.4

39 50.8 38.6 58.0



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

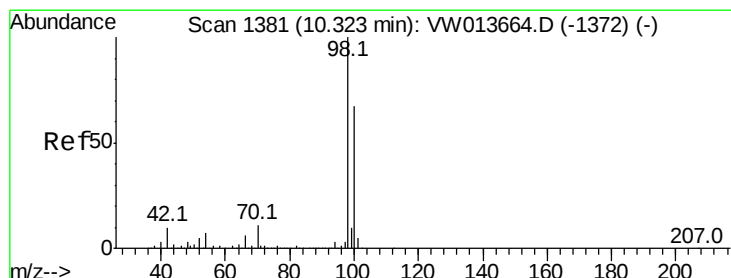
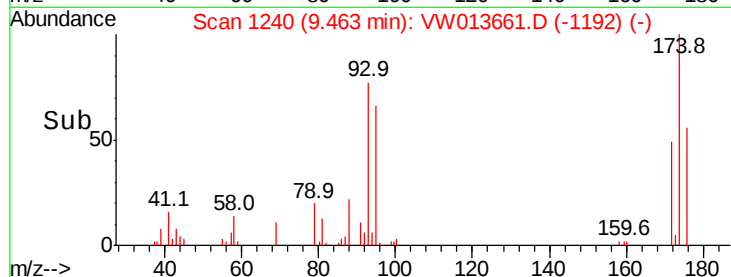
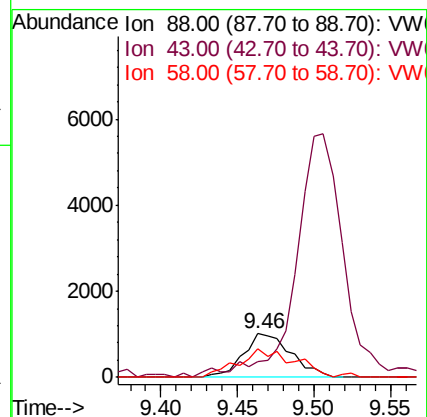
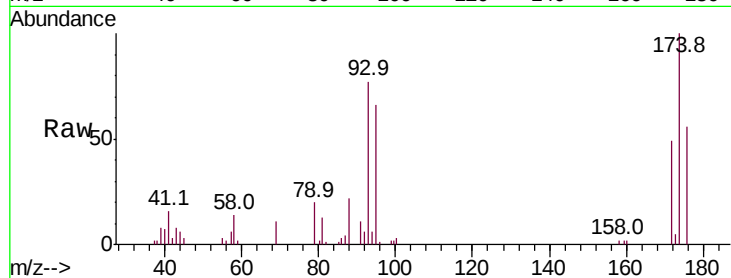




#49
1,4-Dioxane
Concen: 89.858 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

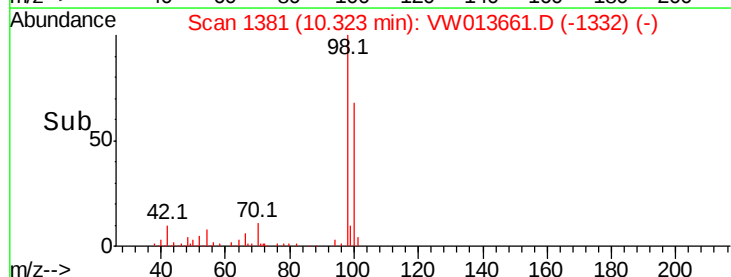
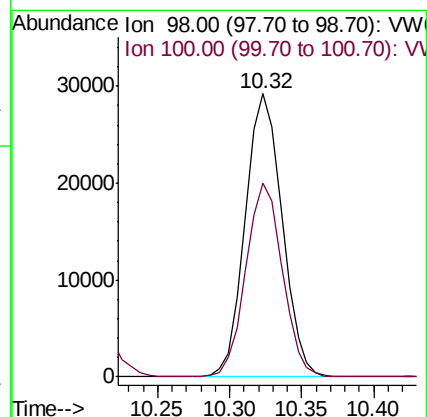
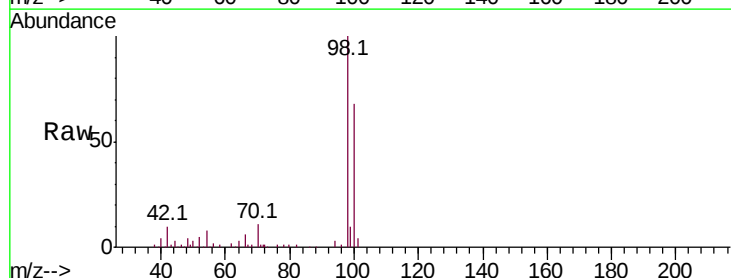
Instrument :
MSVOA_W
ClientSampled :

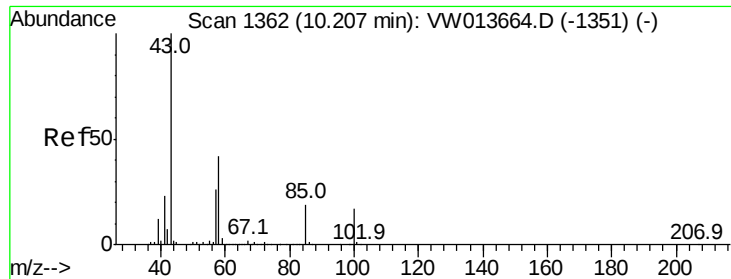
Tot Ion: 88 Resp: 2201
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 74.8 58.9 88.3



#50
Toluene-d8
Concen: 4.619 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion: 98 Resp: 51852
Ion Ratio Lower Upper
98 100
100 67.7 53.4 80.0

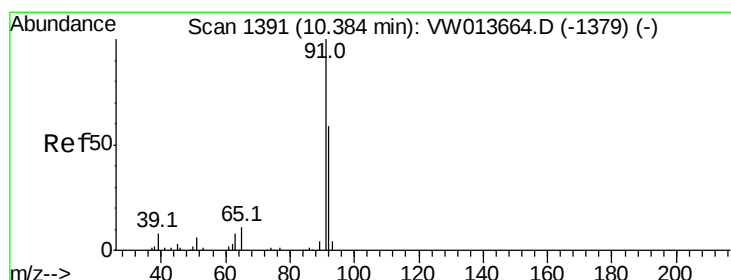
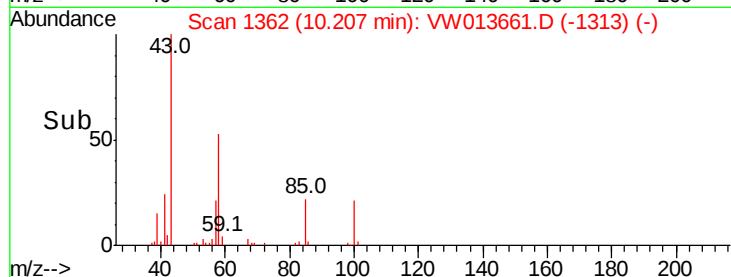
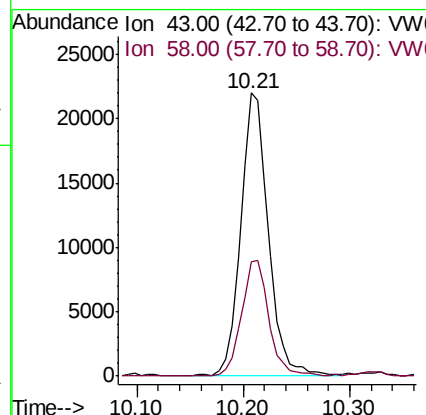
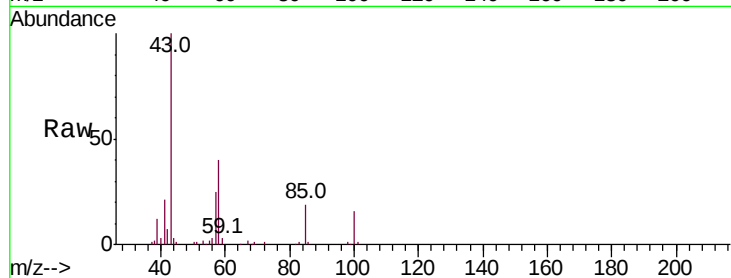




#51
4-Methyl-2-Pentanone
Concen: 22.104 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

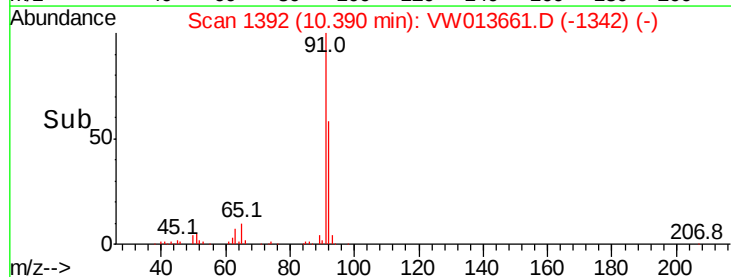
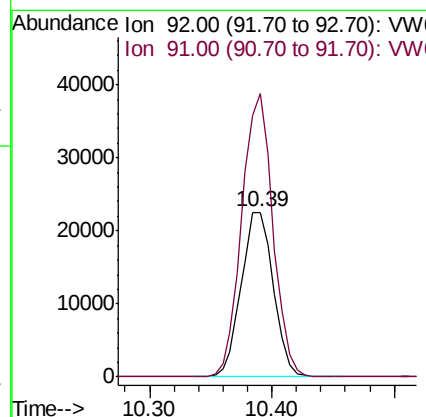
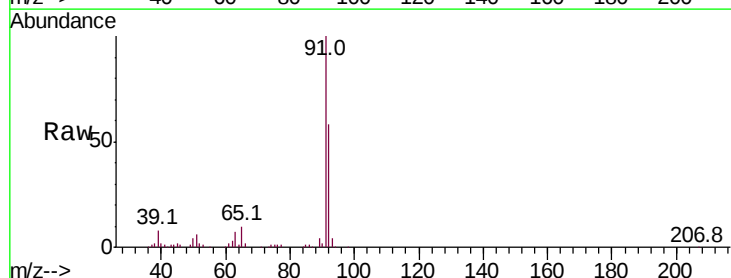
Instrument :
MSVOA_W
ClientSampled :

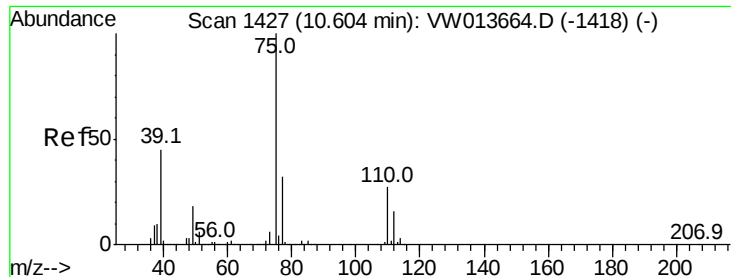
Tot Ion: 43 Resp: 40117
Ion Ratio Lower Upper
43 100
58 40.5 32.6 49.0



#52
Toluene
Concen: 5.305 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion: 92 Resp: 41241
Ion Ratio Lower Upper
92 100
91 165.4 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 4.904 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

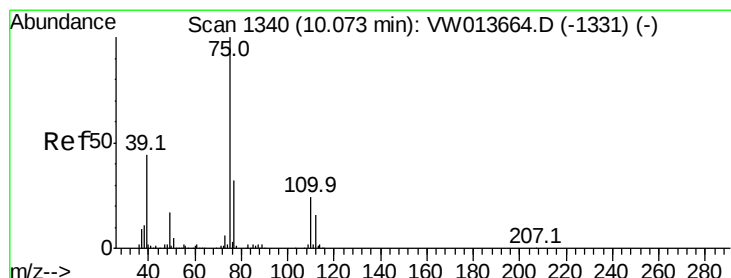
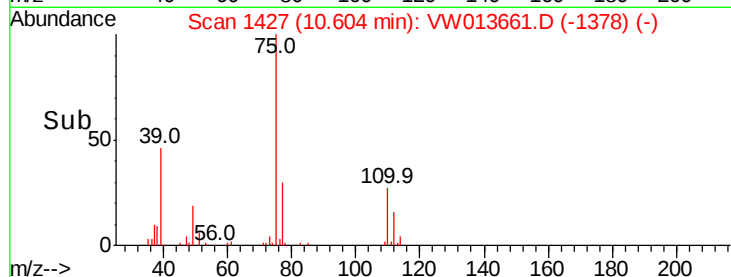
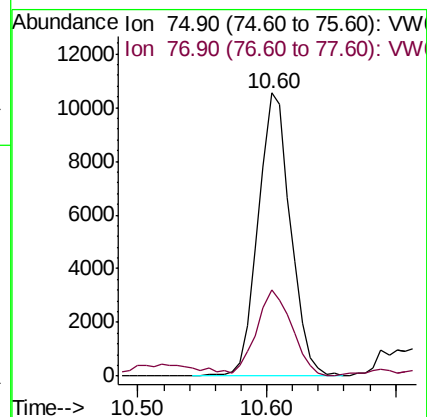
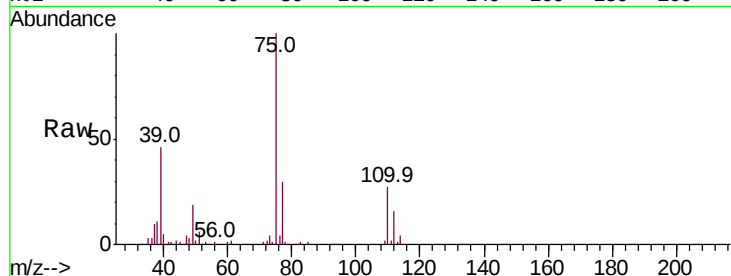
ClientSampled :

Tot Ion: 75 Resp: 18273

Ion Ratio Lower Upper

75 100

77 29.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 4.917 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

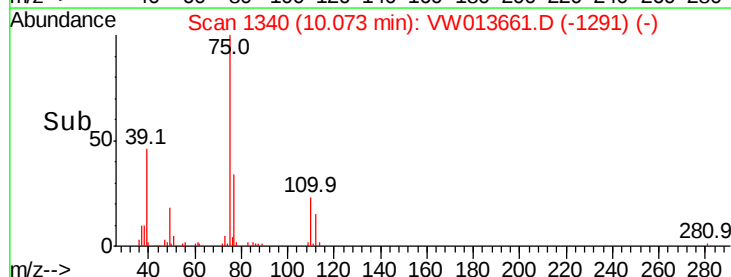
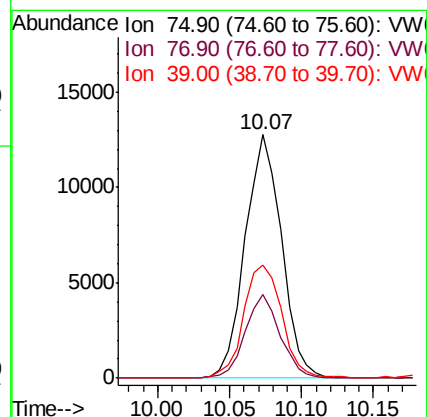
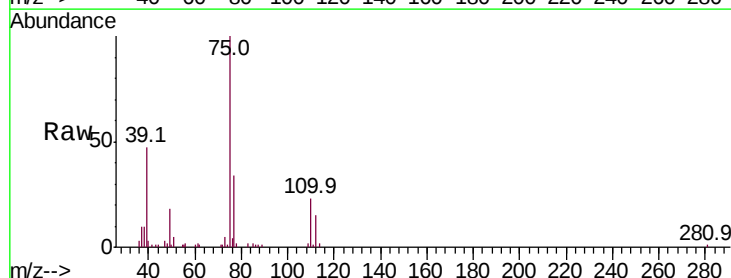
Tgt Ion: 75 Resp: 22261

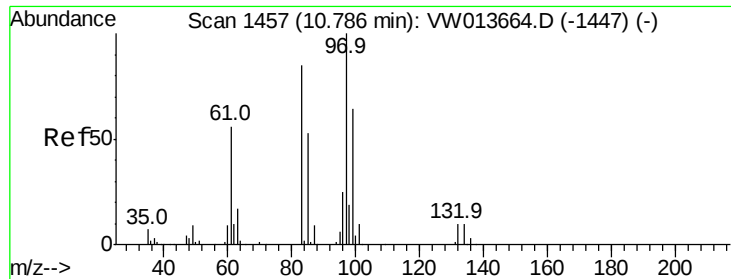
Ion Ratio Lower Upper

75 100

77 34.3 25.8 38.6

39 46.5 35.3 52.9



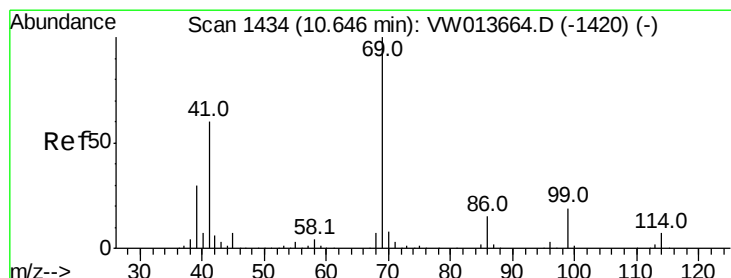
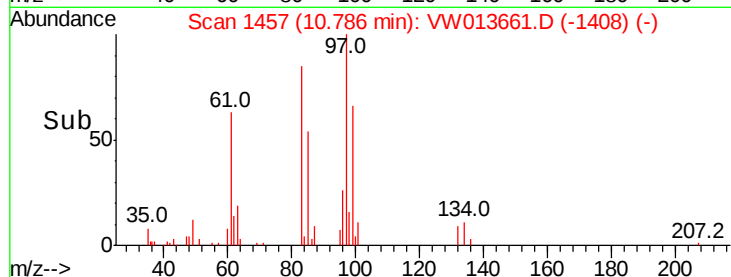
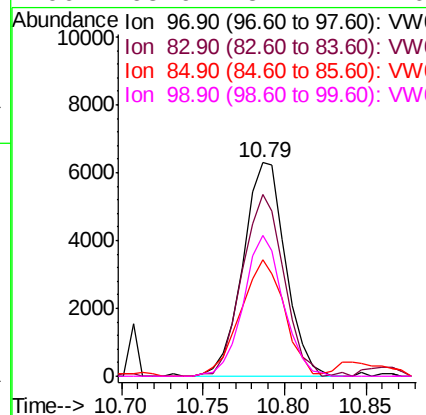
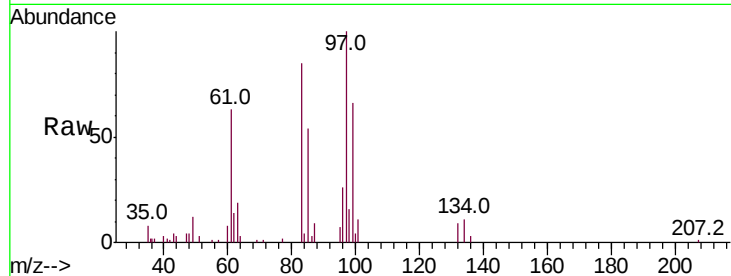


#55
 1,1,2-Trichloroethane
 Concen: 5.297 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 11410

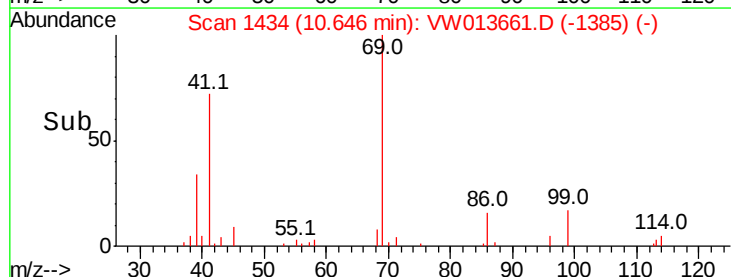
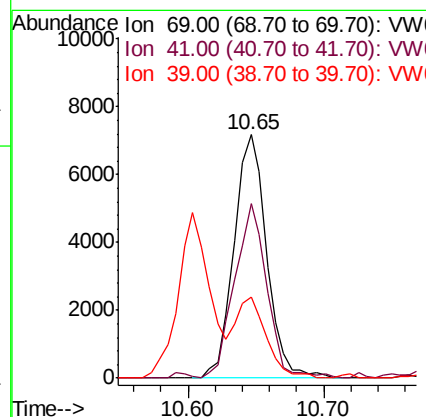
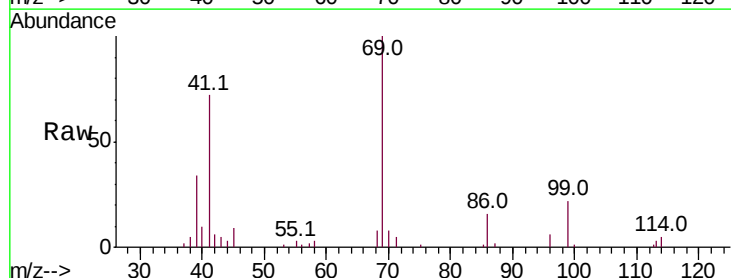
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.8	101.8
85	54.4	42.1	63.1
99	65.9	51.4	77.0

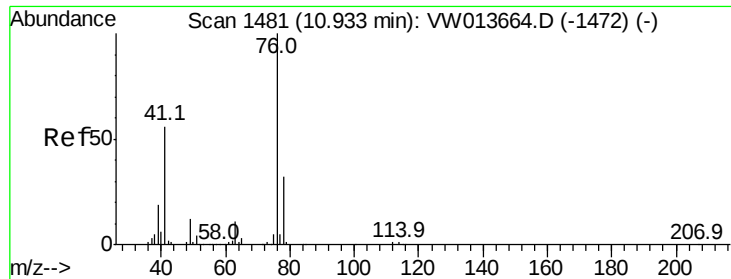


#56
 Ethyl methacrylate
 Concen: 4.192 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

Tgt Ion: 69 Resp: 12008

Ion	Ratio	Lower	Upper
69	100		
41	71.0	51.6	77.4
39	31.6	22.4	33.6





#57

1,3-Dichloropropane

Concen: 5.136 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

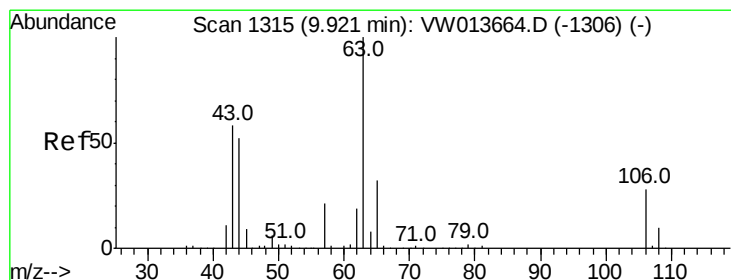
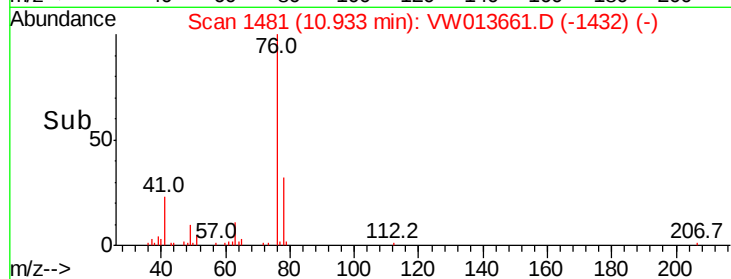
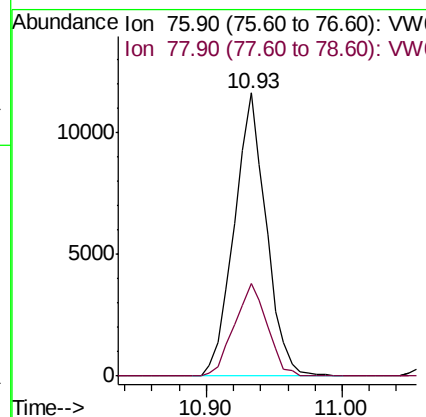
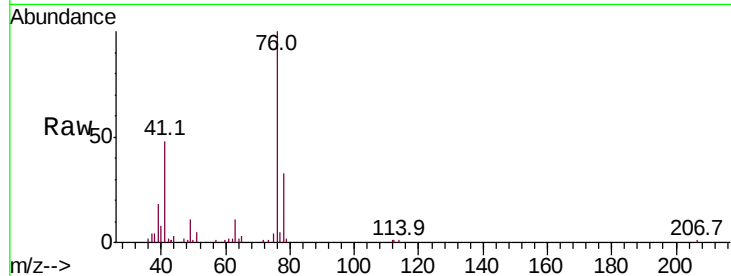
Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 19021

Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.0	39.0



#58

2-Chloroethyl Vinyl ether

Concen: 22.226 ug/l

RT: 9.92 min Scan# 1315

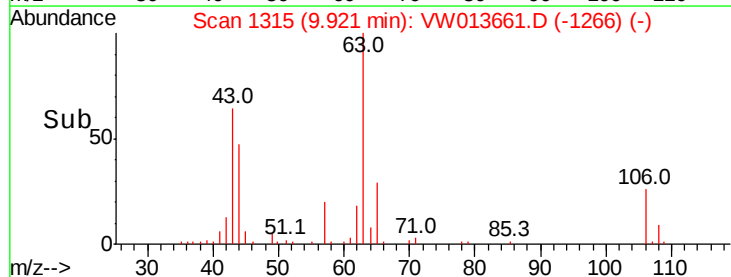
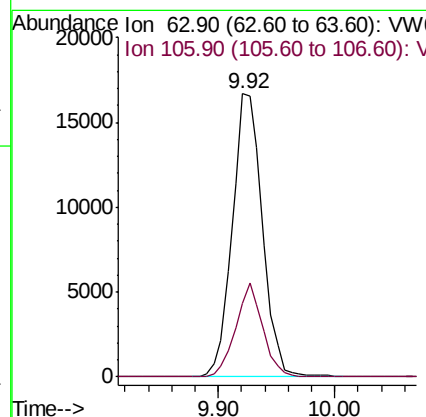
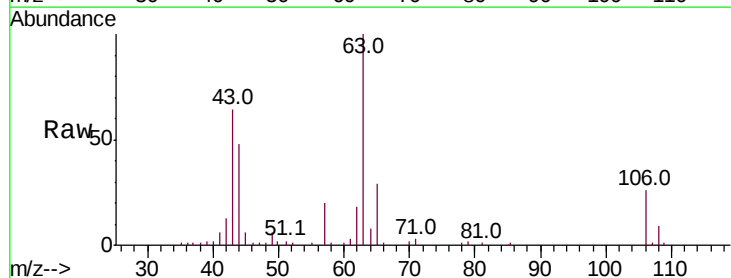
Delta R.T. 0.00 min

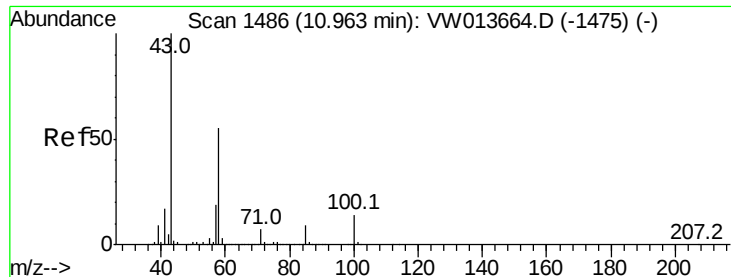
Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Tgt Ion: 63 Resp: 29938

Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.8	35.8





#59

2-Hexanone

Concen: 21.346 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

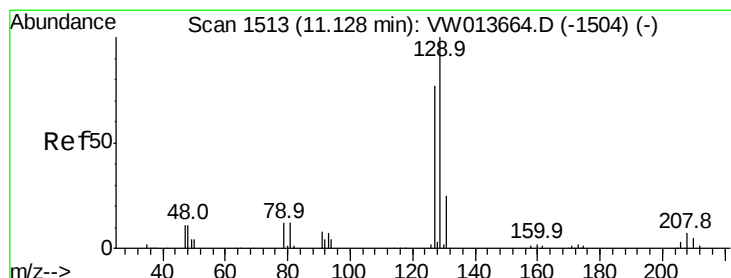
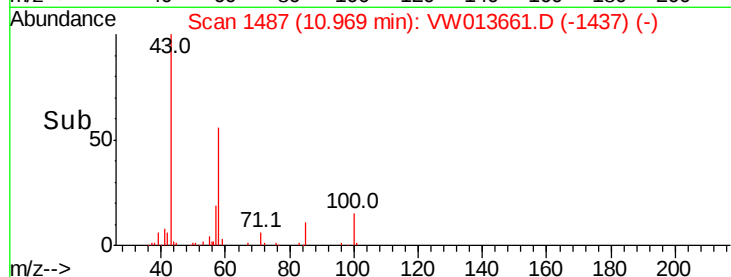
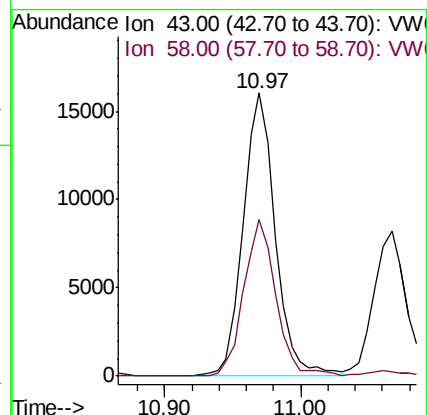
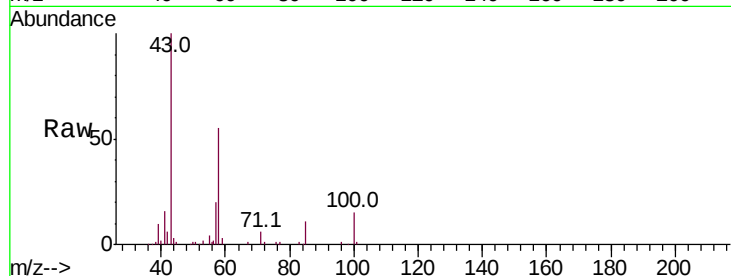
ClientSampleId :

Tot Ion: 43 Resp: 26502

Ion Ratio Lower Upper

43 100

58 55.3 27.9 83.7



#60

Dibromochloromethane

Concen: 4.944 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013661.D

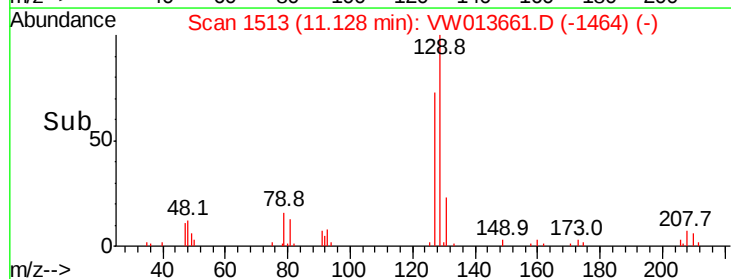
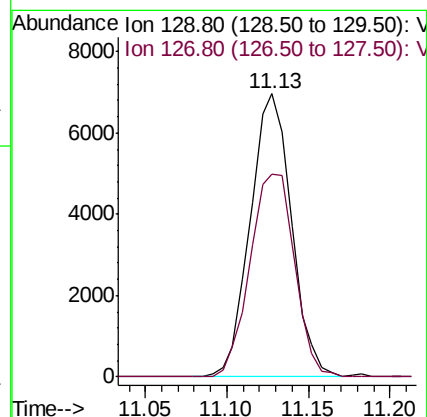
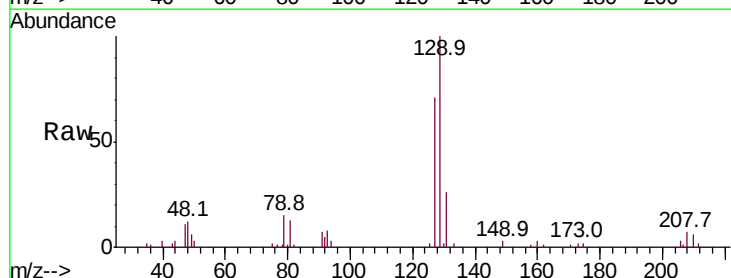
Acq: 23 Oct 2019 11:23

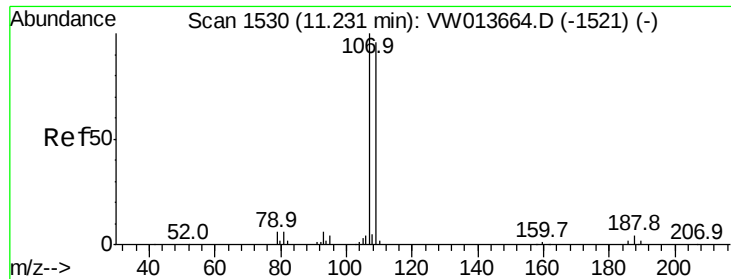
Tgt Ion: 129 Resp: 12256

Ion Ratio Lower Upper

129 100

127 77.6 38.9 116.7

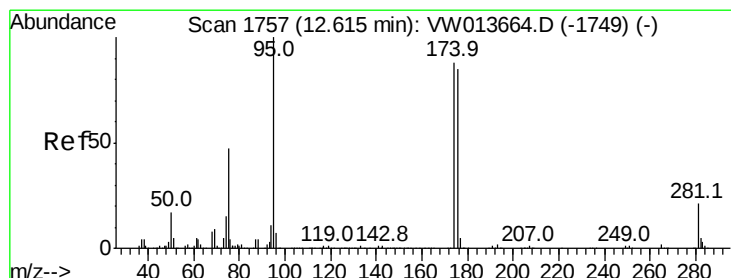
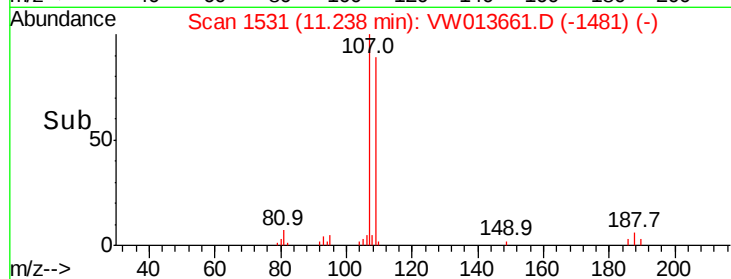
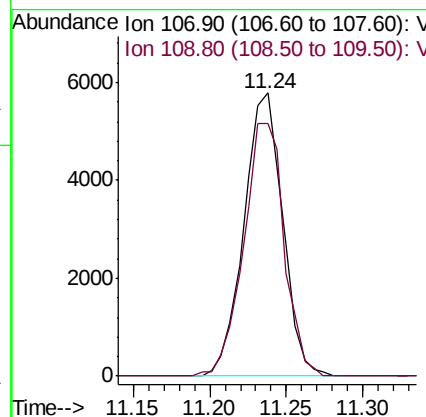
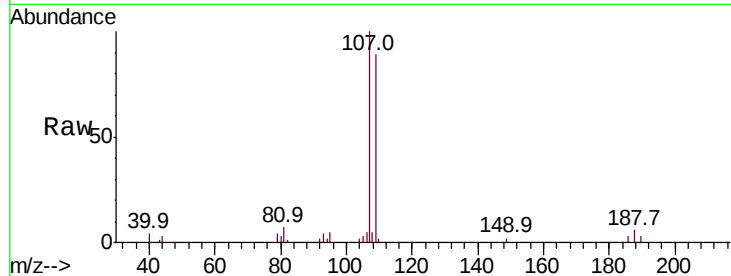




#61
 1,2-Dibromoethane
 Concen: 4.953 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

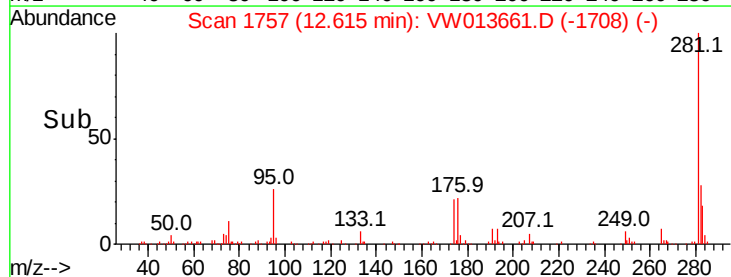
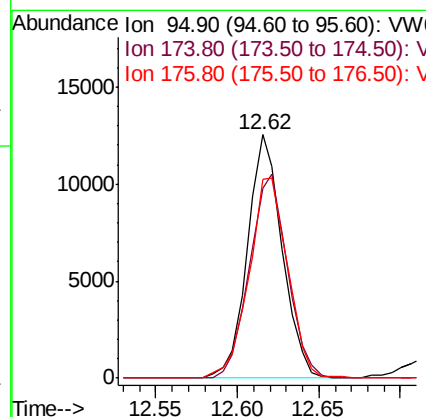
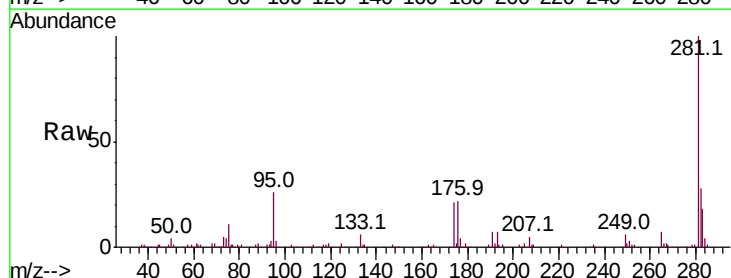
Instrument :
 MSVOA_W
 ClientSampleId :

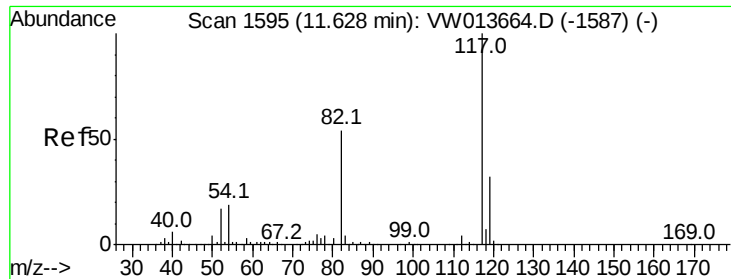
Tot Ion:107 Resp: 10155
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 4.935 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

Tgt Ion: 95 Resp: 18606
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 183.6
 176 91.5 0.0 178.0

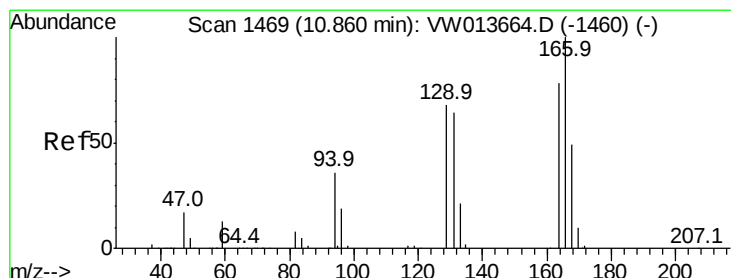
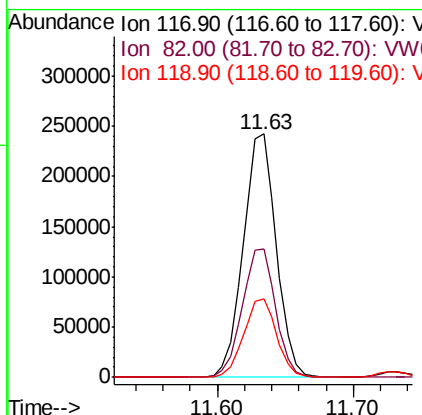
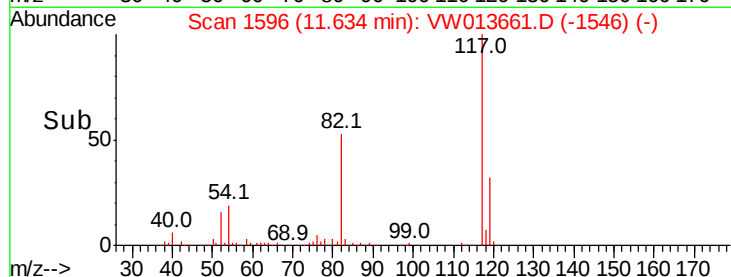
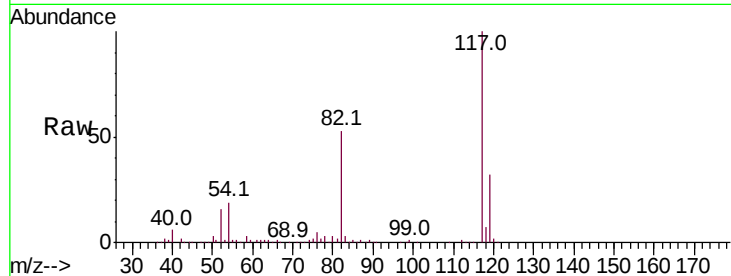




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

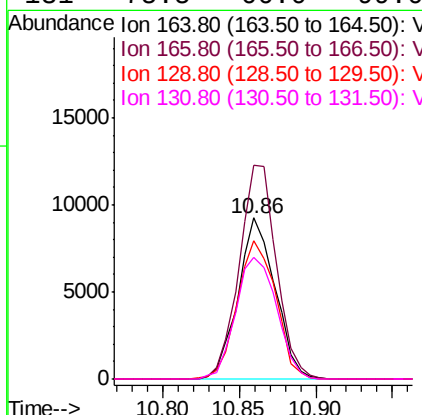
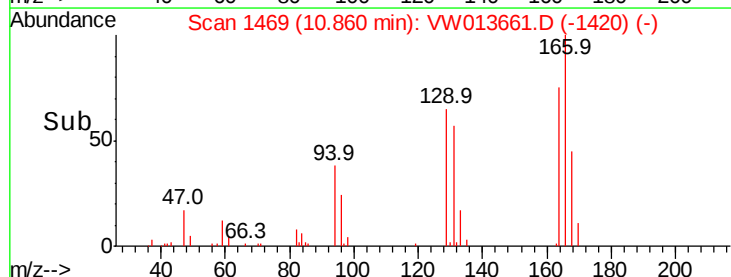
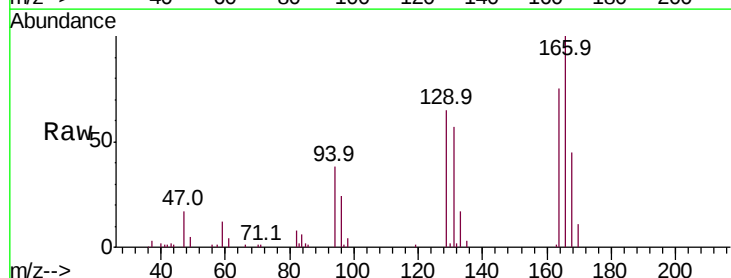
Instrument :
MSVOA_W
ClientSampleId :

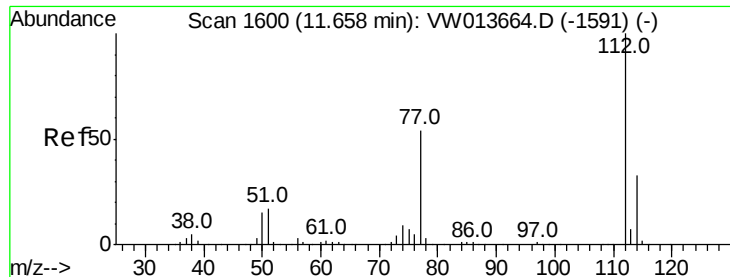
Tot Ion:117 Resp: 410625
Ion Ratio Lower Upper
117 100
82 52.7 43.6 65.4
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 5.111 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion:164 Resp: 15549
Ion Ratio Lower Upper
164 100
166 132.8 103.2 154.8
129 85.8 70.6 105.8
131 75.5 66.0 99.0

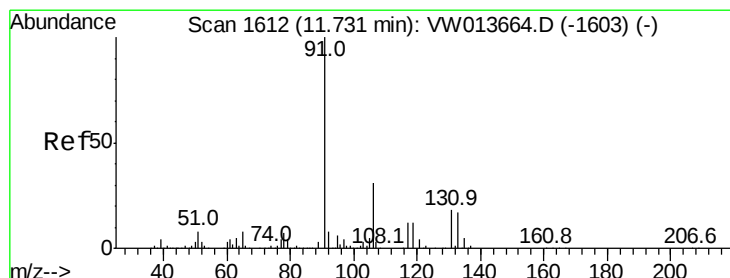
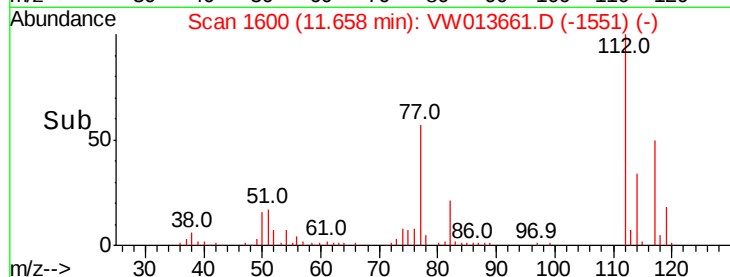
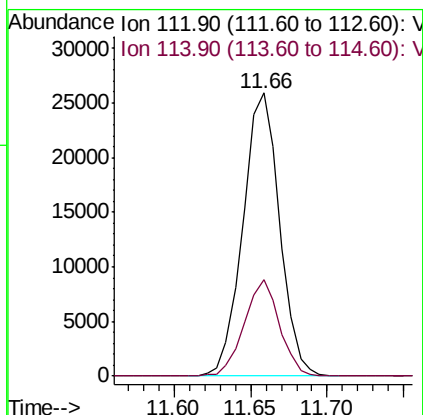
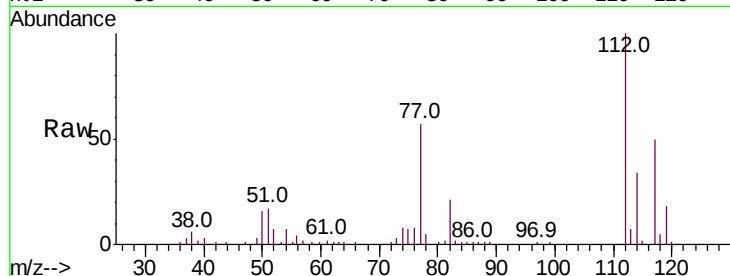




#65
Chlorobenzene
Concen: 5.261 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

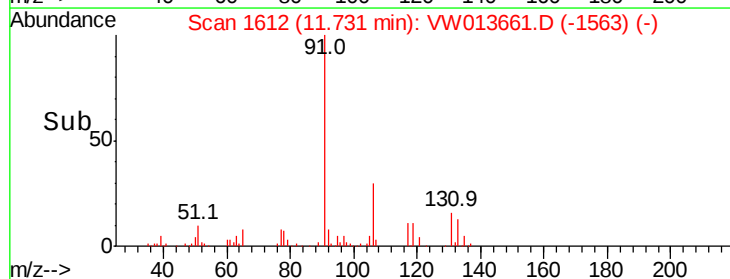
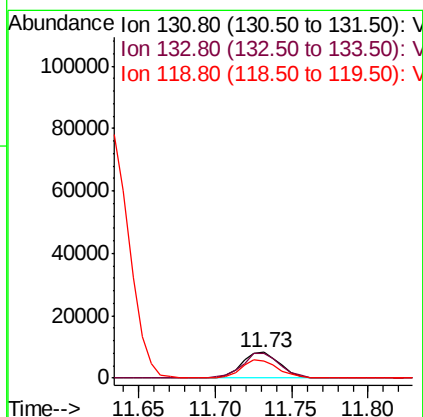
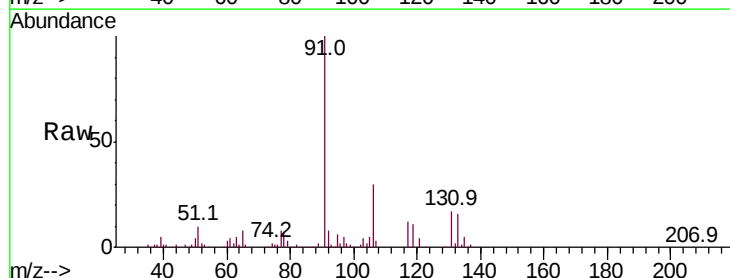
Instrument :
MSVOA_W
ClientSampled :

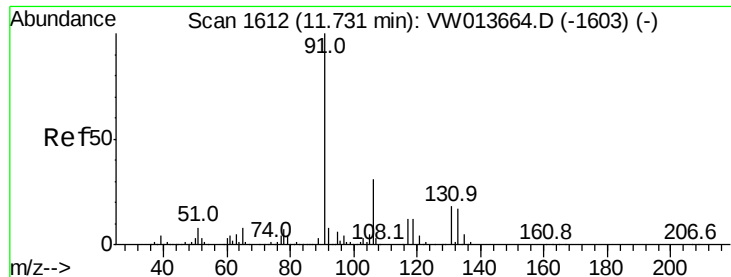
Tot Ion:112 Resp: 43162
Ion Ratio Lower Upper
112 100
114 33.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 5.075 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion:131 Resp: 14498
Ion Ratio Lower Upper
131 100
133 94.2 47.4 142.3
119 67.0 33.1 99.2

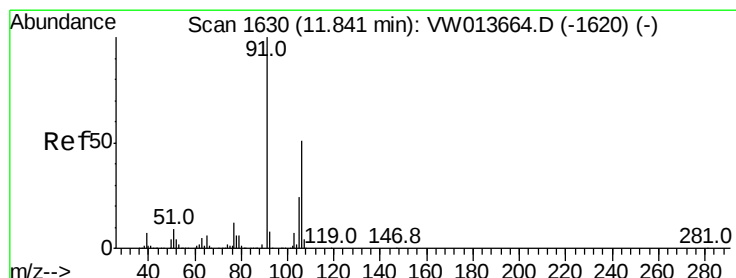
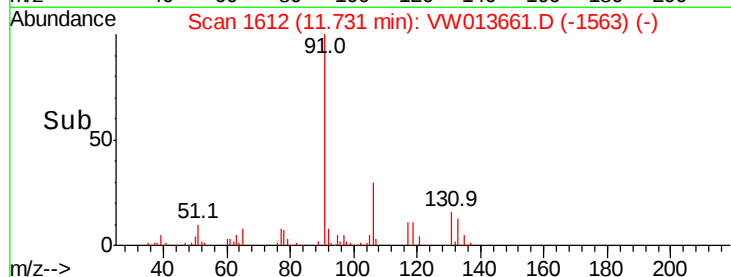
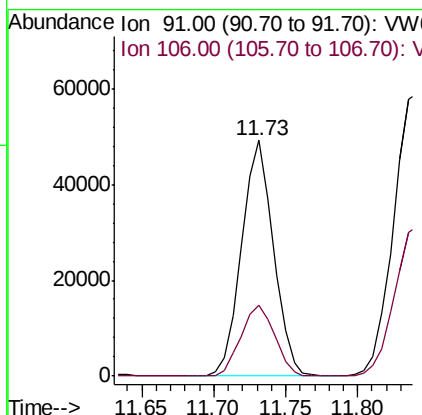
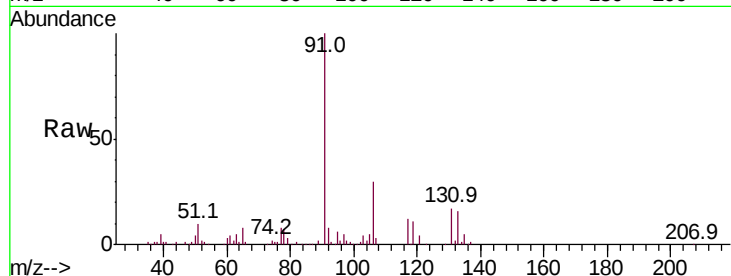




#67
Ethyl Benzene
Concen: 5.031 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

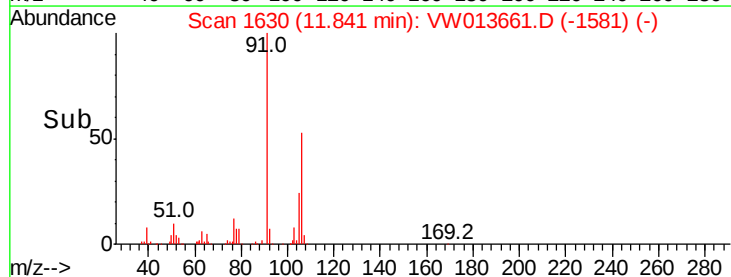
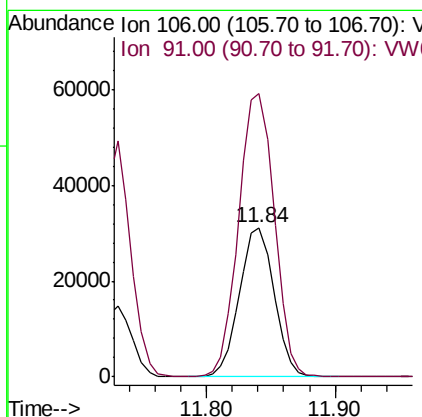
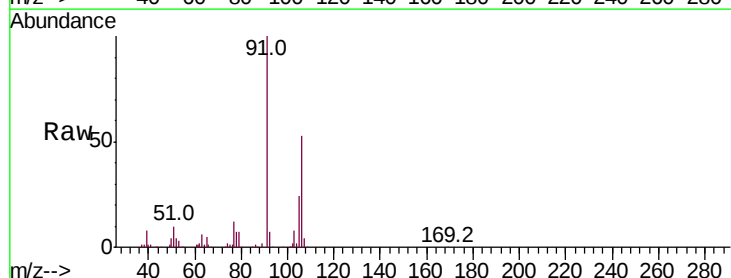
Instrument :
MSVOA_W
ClientSampleId :

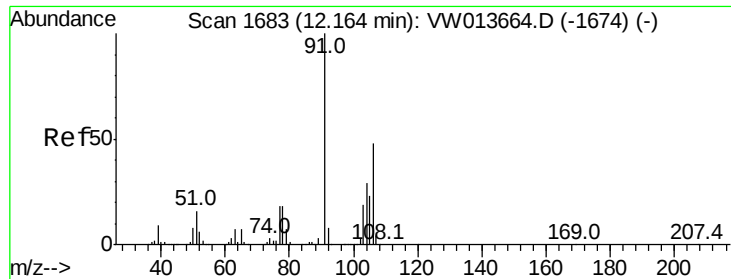
Tot Ion: 91 Resp: 75522
Ion Ratio Lower Upper
91 100
106 30.2 25.0 37.6



#68
m/p-Xylenes
Concen: 10.189 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion: 106 Resp: 58181
Ion Ratio Lower Upper
106 100
91 195.1 159.2 238.8

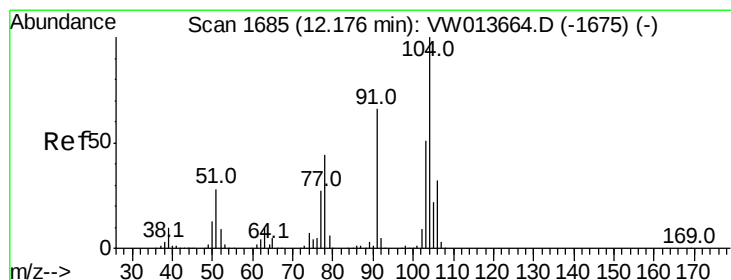
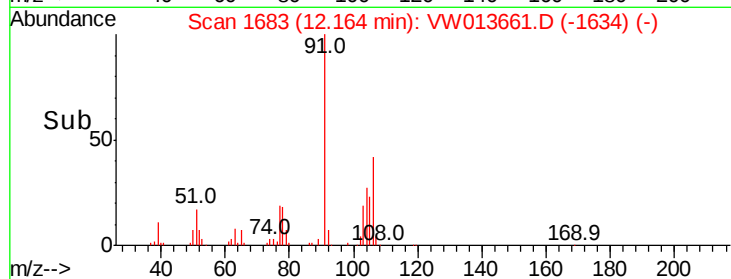
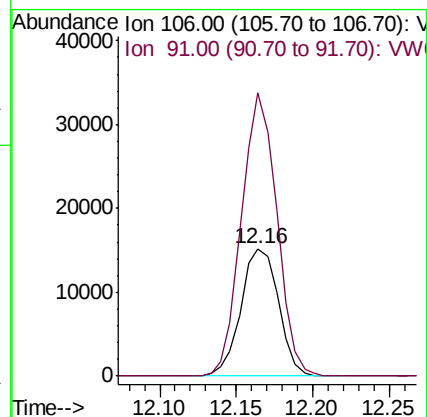
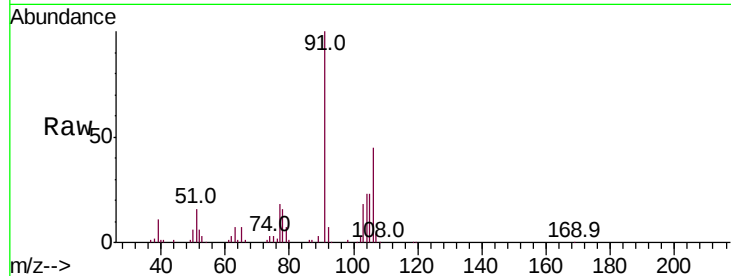




#69
o-Xylene
Concen: 4.923 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

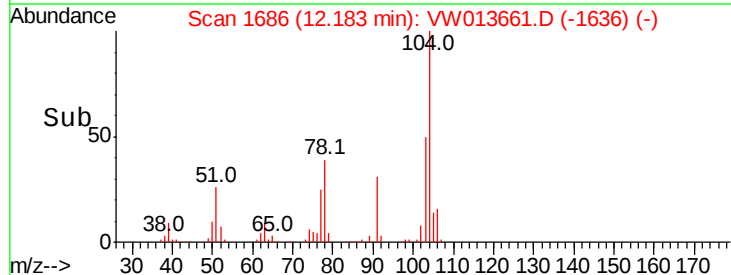
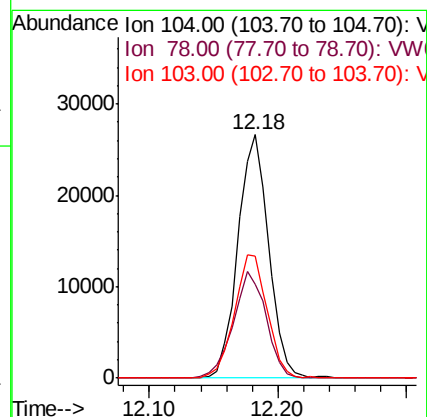
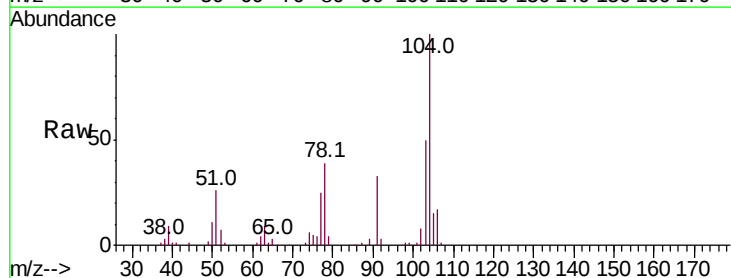
Instrument :
MSVOA_W
ClientSampleId :

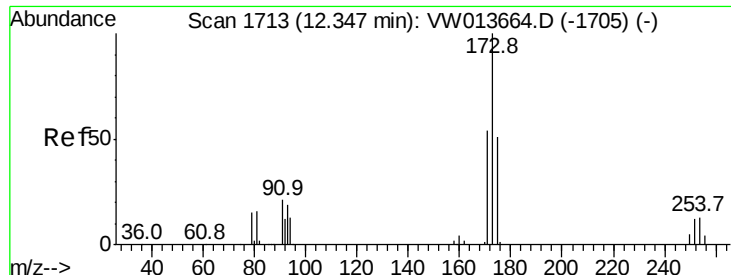
Tot Ion:106 Resp: 26017
Ion Ratio Lower Upper
106 100
91 209.4 104.9 314.7



#70
Styrene
Concen: 4.875 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion:104 Resp: 44212
Ion Ratio Lower Upper
104 100
78 46.7 37.1 55.7
103 54.3 43.6 65.4

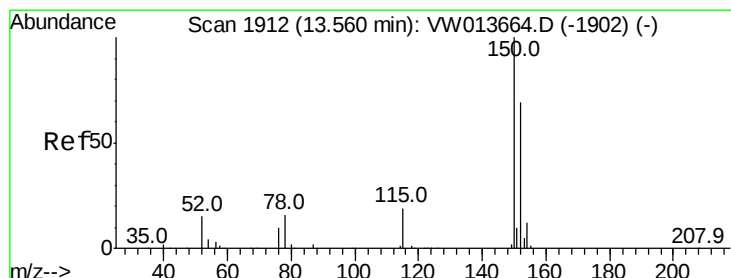
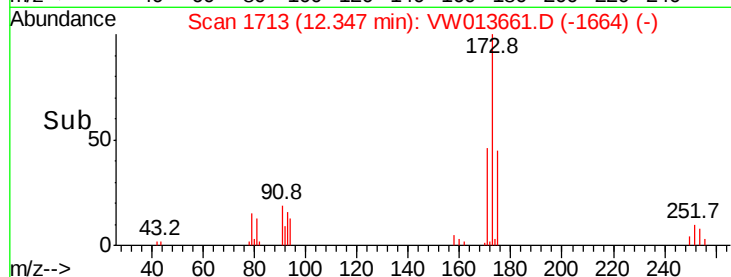
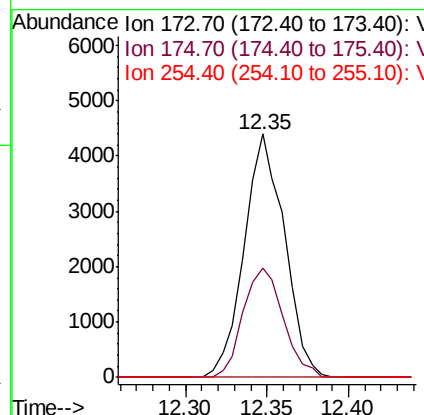
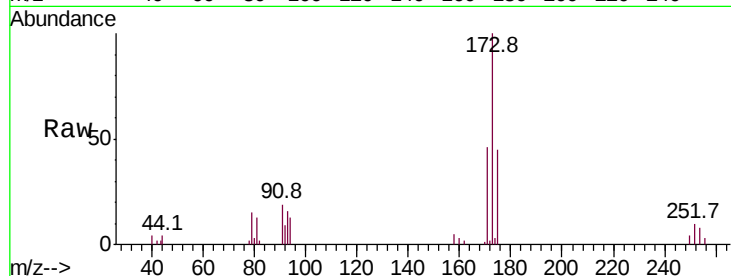




#71
Bromoform
Concen: 4.866 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

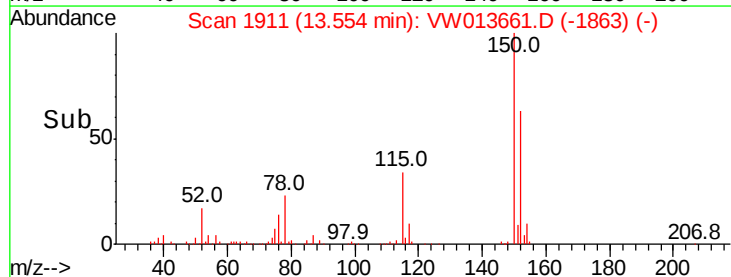
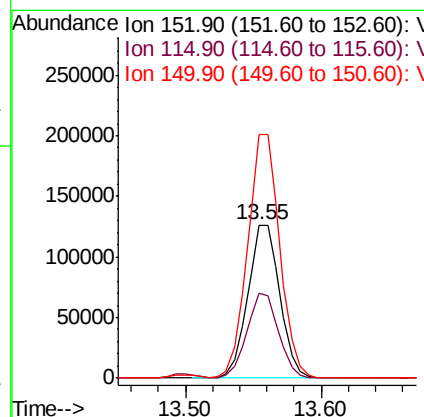
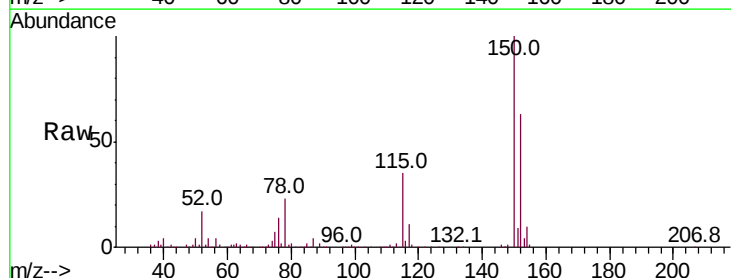
Instrument :
MSVOA_W
ClientSampled :

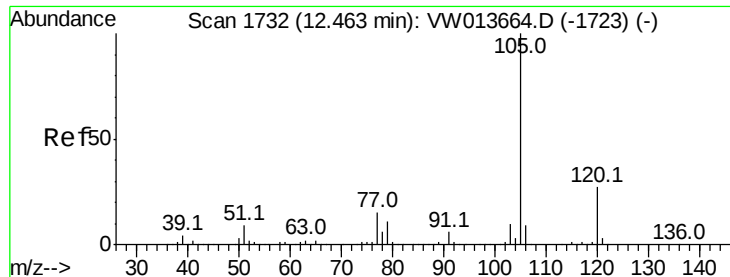
Tot Ion:173 Resp: 7561
Ion Ratio Lower Upper
173 100
175 44.8 25.2 75.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion:152 Resp: 207769
Ion Ratio Lower Upper
152 100
115 54.6 27.4 82.2
150 159.8 0.0 345.4





#73

Isopropylbenzene

Concen: 4.932 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

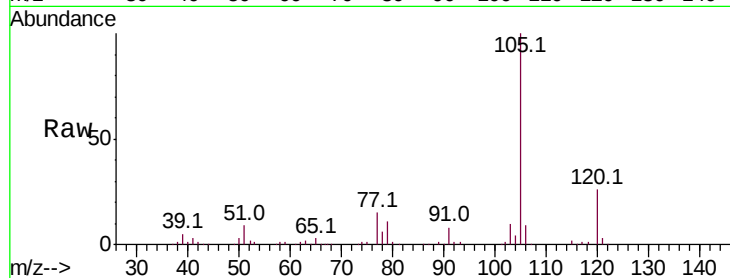
ClientSampled :

Tot Ion:105 Resp: 73550

Ion Ratio Lower Upper

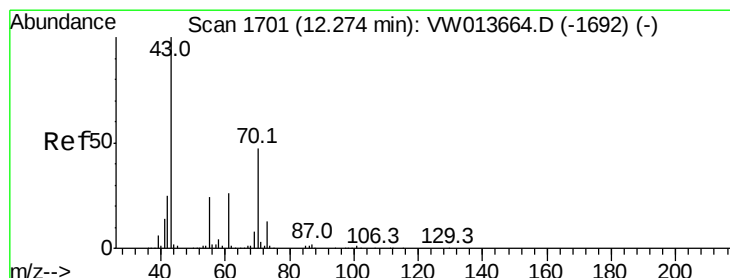
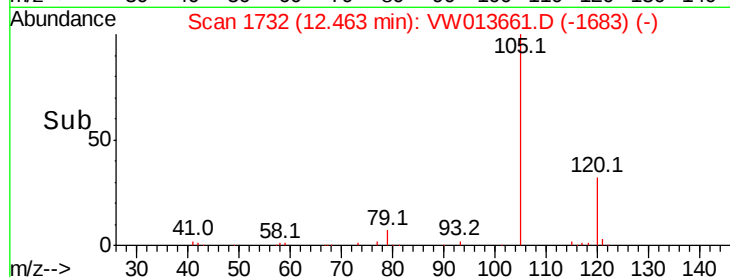
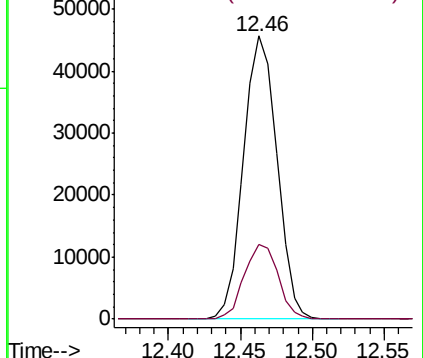
105 100

120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.179 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Tgt Ion: 43 Resp: 13380

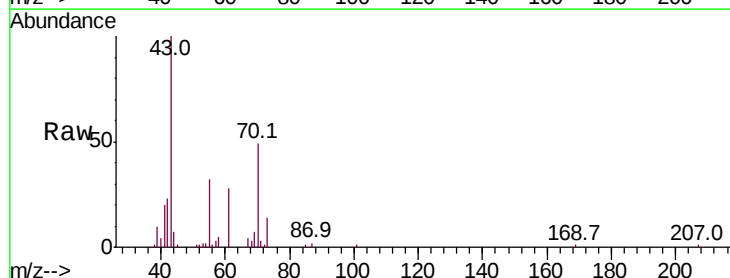
Ion Ratio Lower Upper

43 100

70 46.7 36.6 55.0

55 28.0 20.3 30.5

61 24.5 20.4 30.6

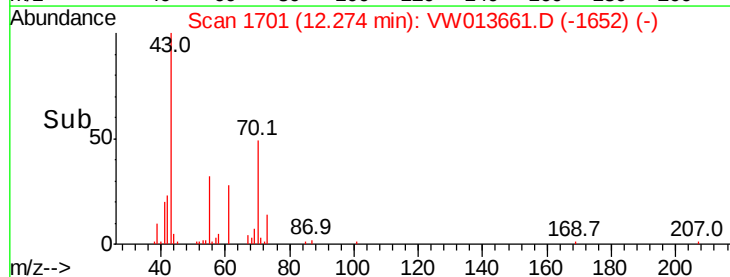
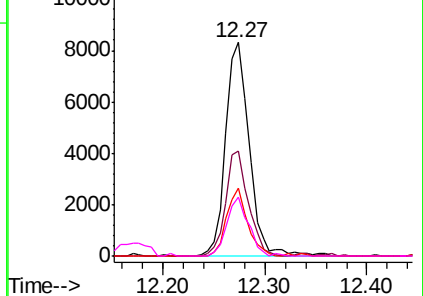


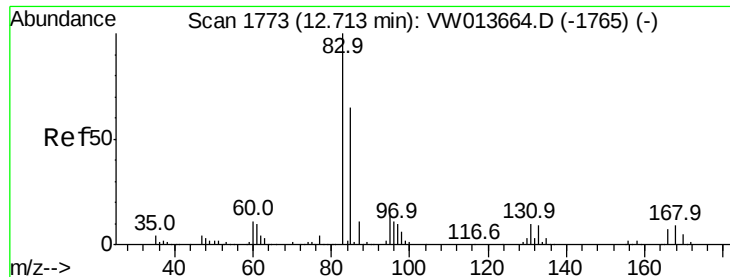
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 4.873 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

ClientSampled :

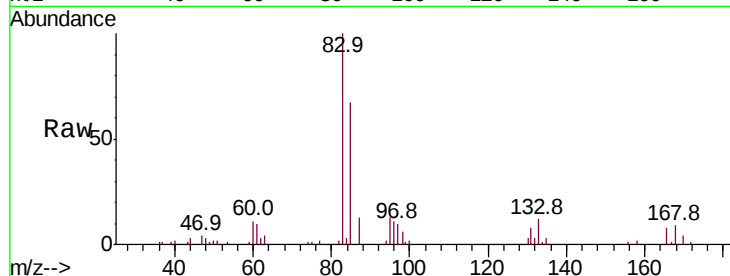
Tot Ion: 83 Resp: 12238

Ion Ratio Lower Upper

83 100

131 9.4 5.7 17.1

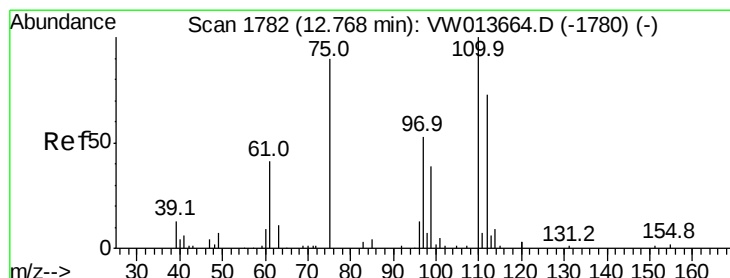
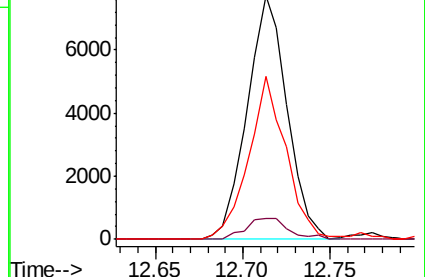
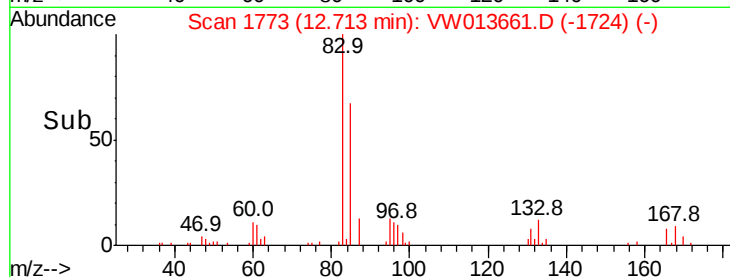
85 62.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 8.732 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013661.D

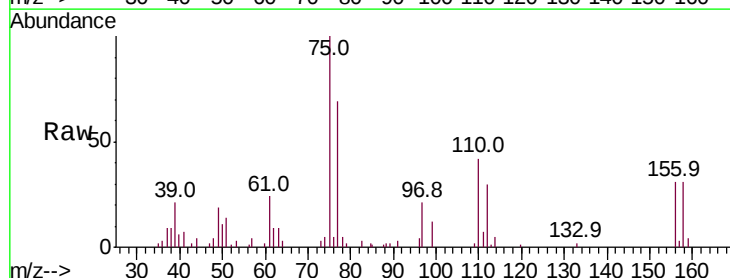
Acq: 23 Oct 2019 11:23

Tgt Ion: 75 Resp: 14905

Ion Ratio Lower Upper

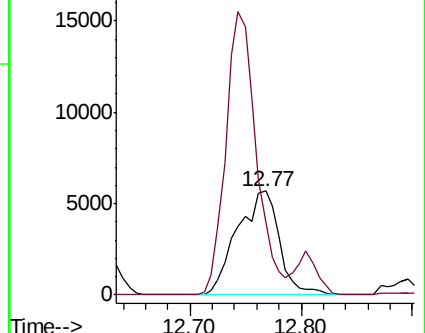
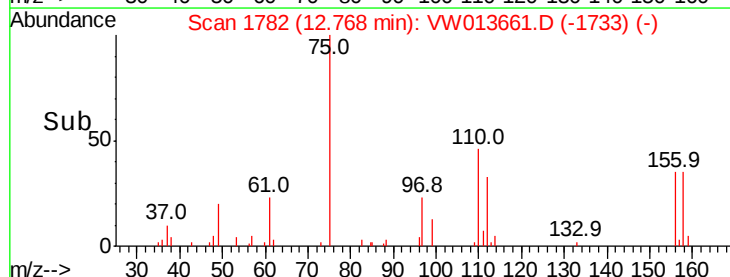
75 100

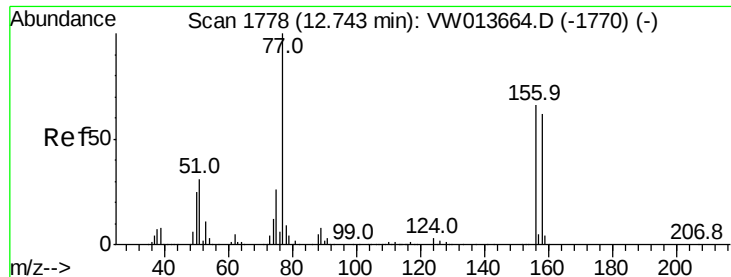
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.062 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

ClientSampled :

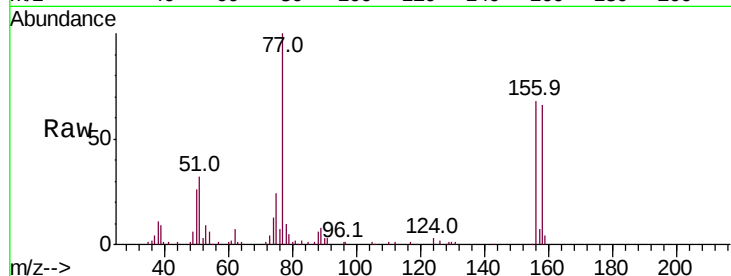
Tot Ion:156 Resp: 17951

Ion Ratio Lower Upper

156 100

77 164.4 82.9 248.7

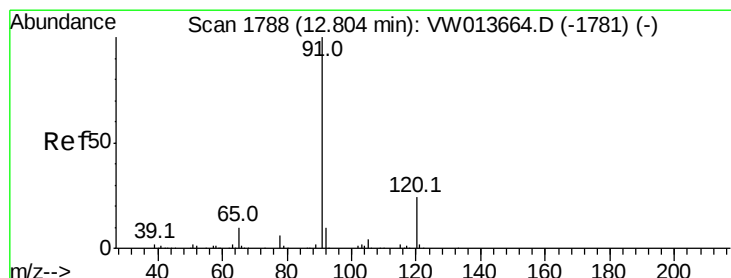
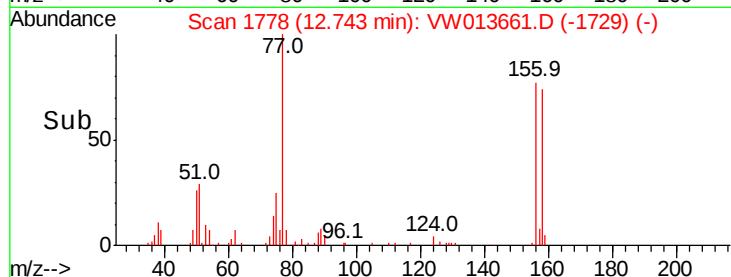
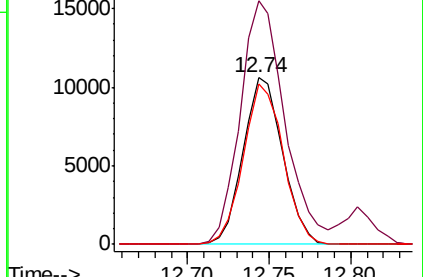
158 96.9 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.780 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013661.D

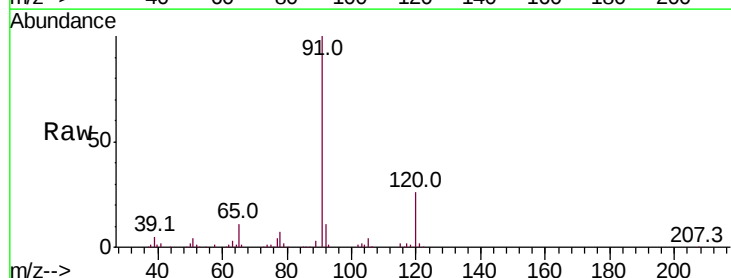
Acq: 23 Oct 2019 11:23

Tgt Ion: 91 Resp: 82467

Ion Ratio Lower Upper

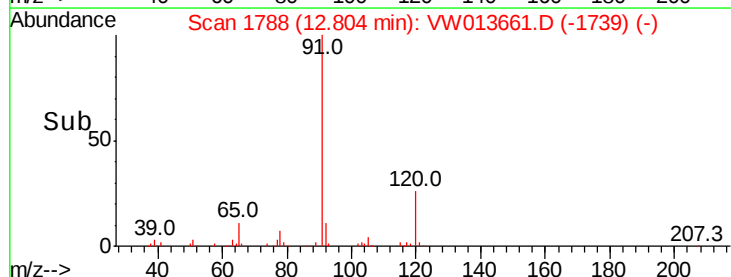
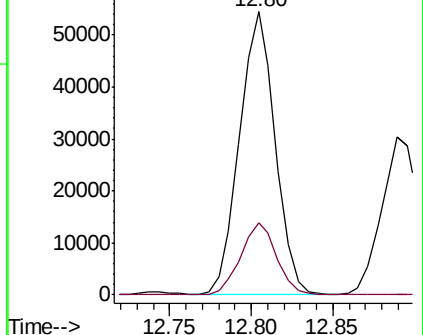
91 100

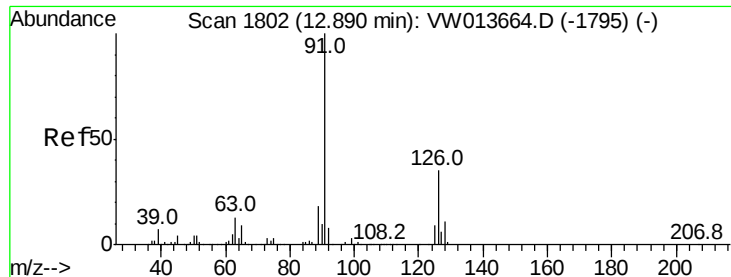
120 25.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.037 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

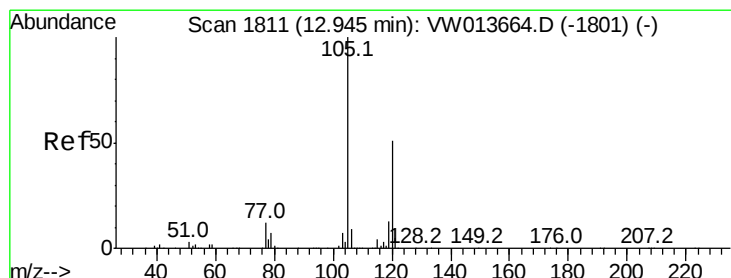
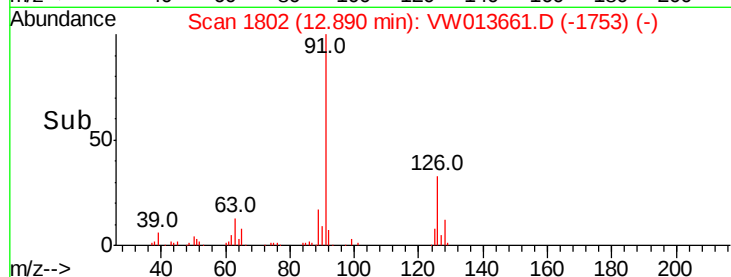
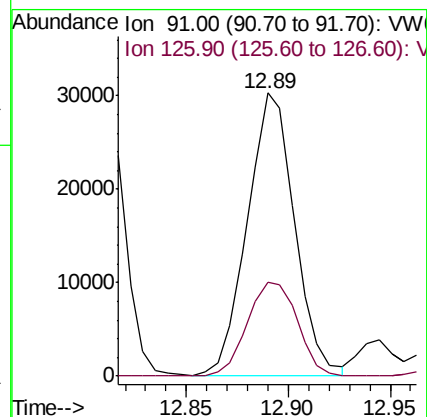
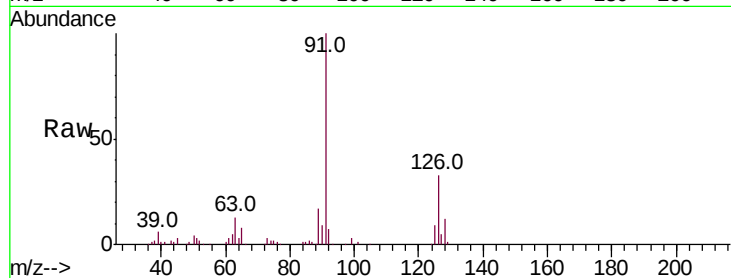
ClientSampleId :

Tot Ion: 91 Resp: 48770

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 4.937 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013661.D

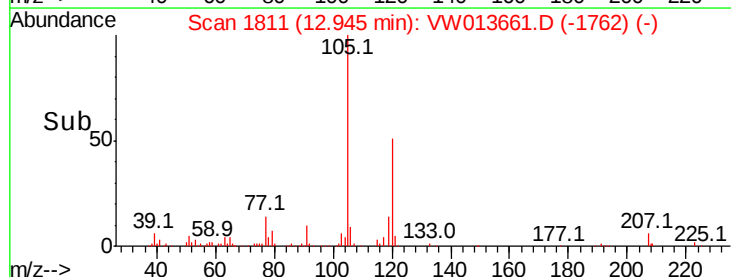
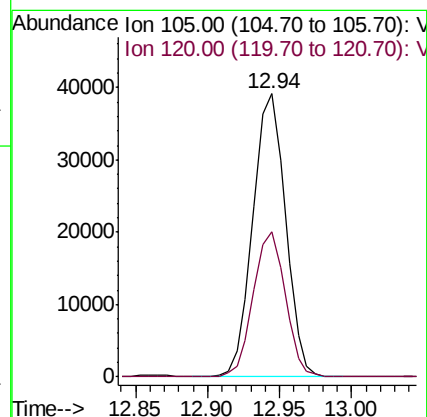
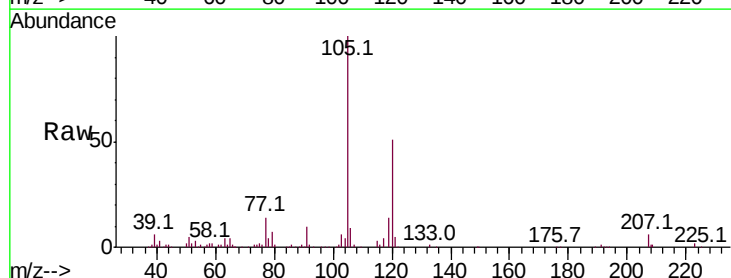
Acq: 23 Oct 2019 11:23

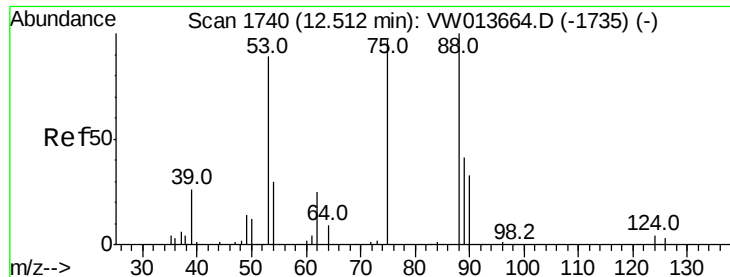
Tgt Ion:105 Resp: 61473

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 4.542 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

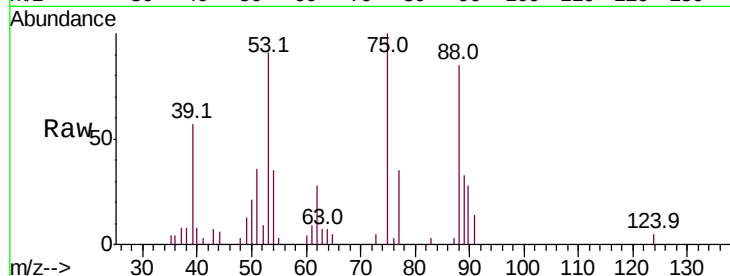
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 3805

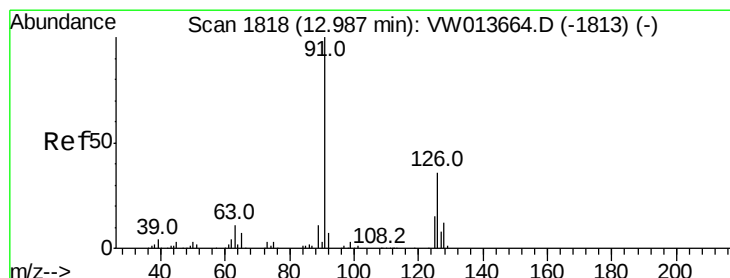
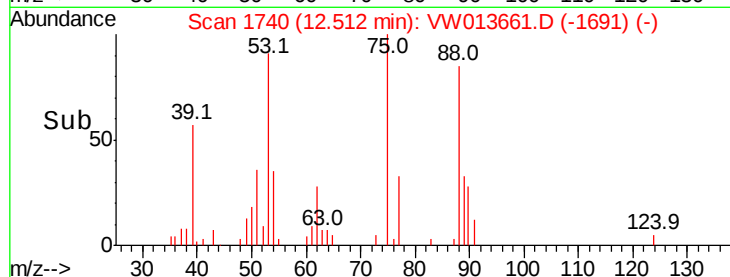
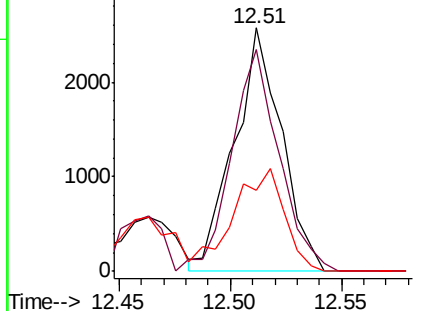
Ion	Ratio	Lower	Upper
75	100		
53	89.5	71.7	107.5
89	45.8	35.8	53.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 5.028 ug/l

RT: 12.99 min Scan# 1818

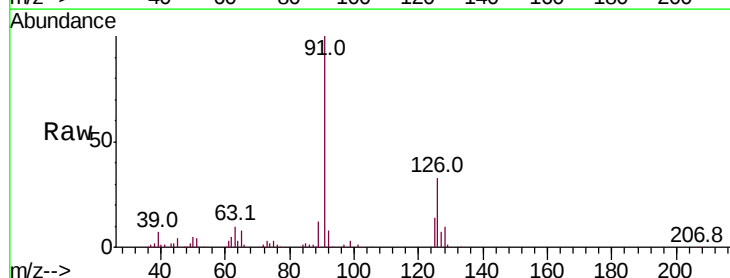
Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

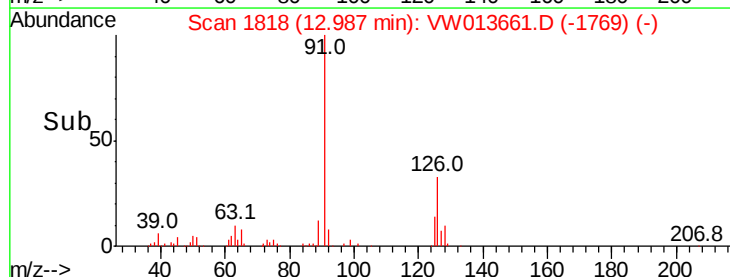
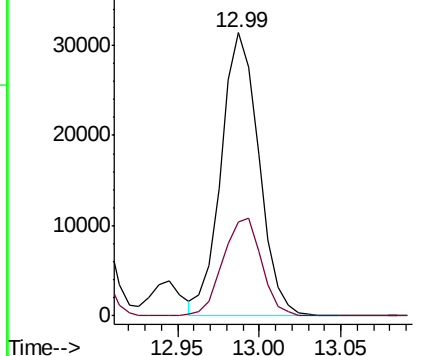
Tgt Ion: 91 Resp: 50646

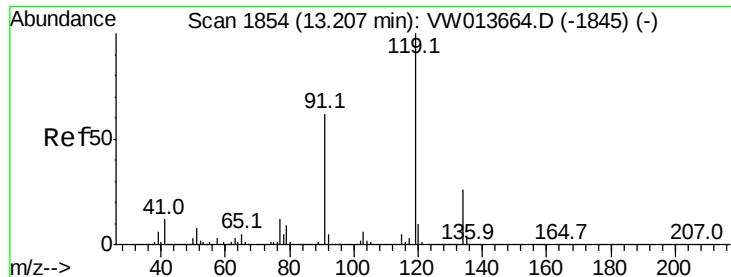
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.2	51.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

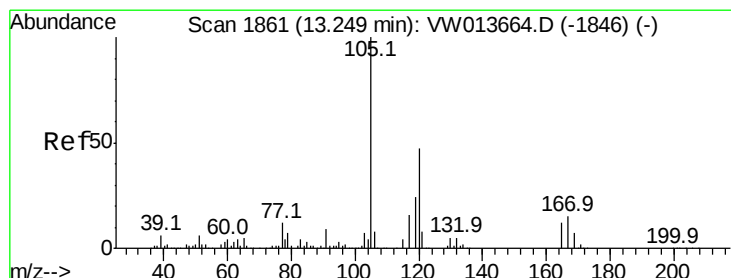
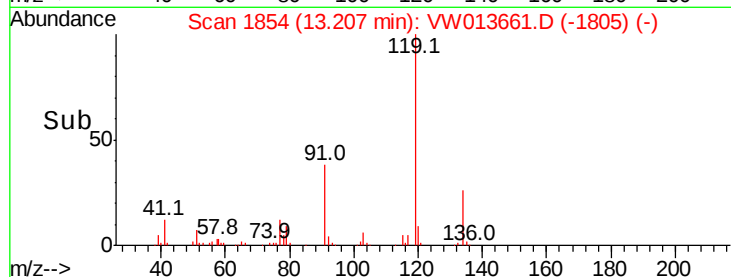
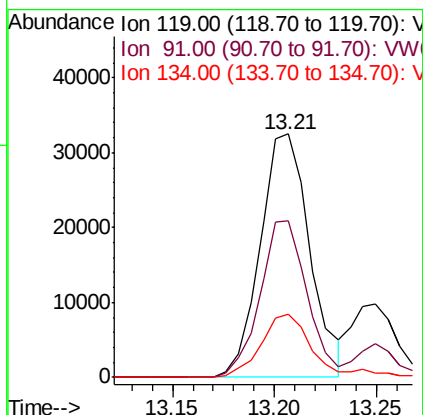
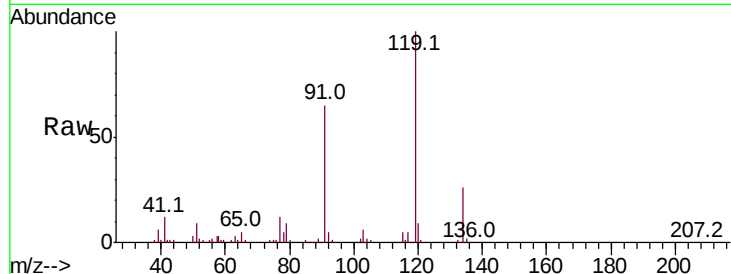




#83
tert-Butylbenzene
Concen: 4.994 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

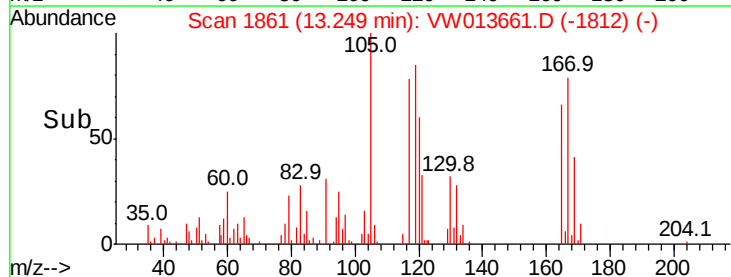
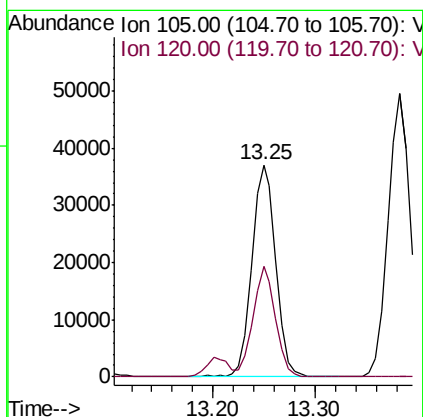
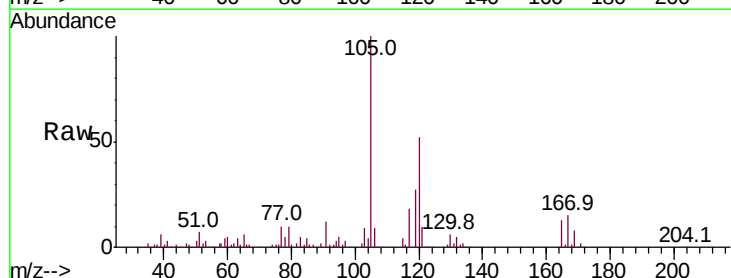
Instrument :
MSVOA_W
ClientSampleId :

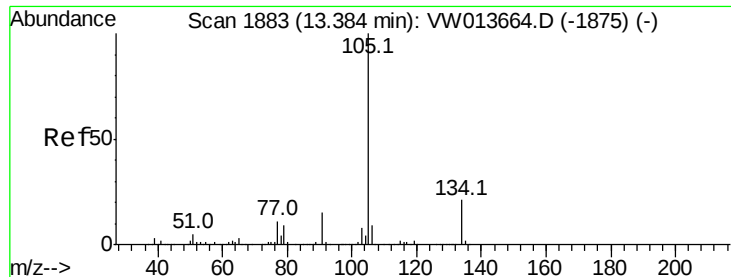
Tot Ion:119 Resp: 55212
Ion Ratio Lower Upper
119 100
91 60.8 30.4 91.3
134 27.6 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 4.940 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion:105 Resp: 60832
Ion Ratio Lower Upper
105 100
120 48.2 23.5 70.5





#85

sec-Butylbenzene

Concen: 4.972 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

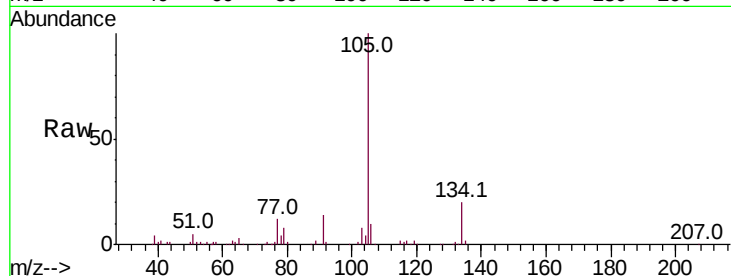
ClientSampled :

Tot Ion:105 Resp: 75668

Ion Ratio Lower Upper

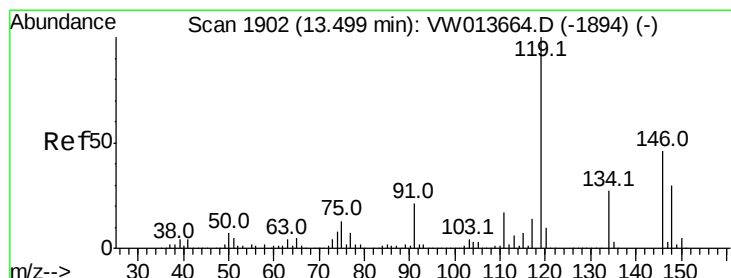
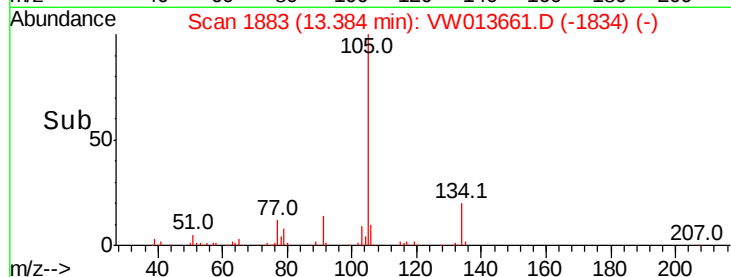
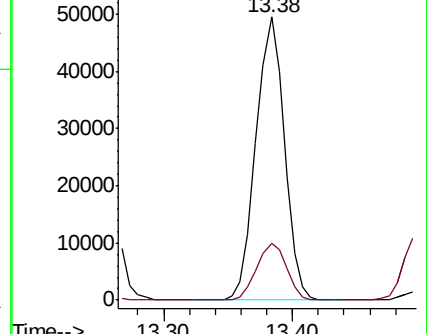
105 100

134 21.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.054 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

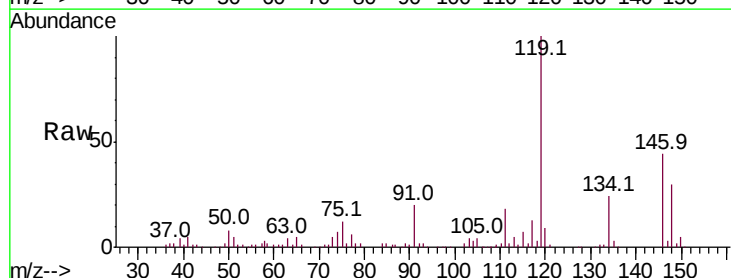
Tgt Ion:119 Resp: 70845

Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.1

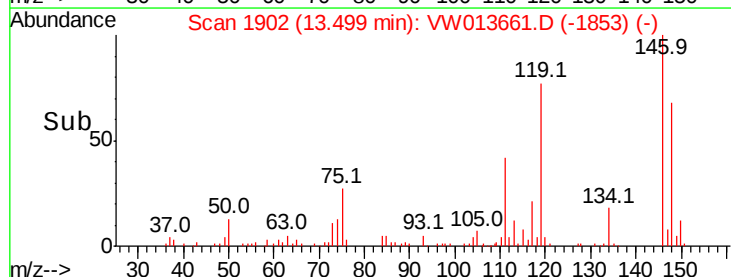
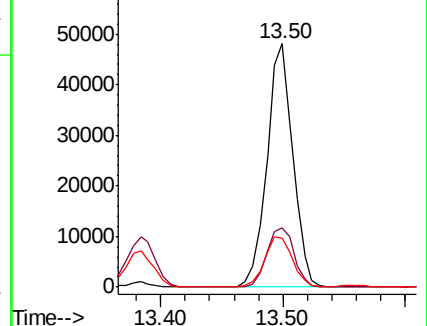
91 22.4 10.8 32.3

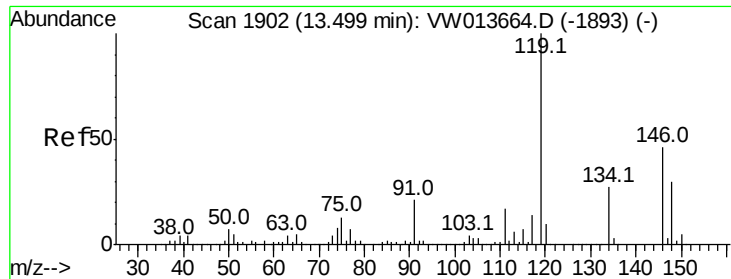


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.229 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

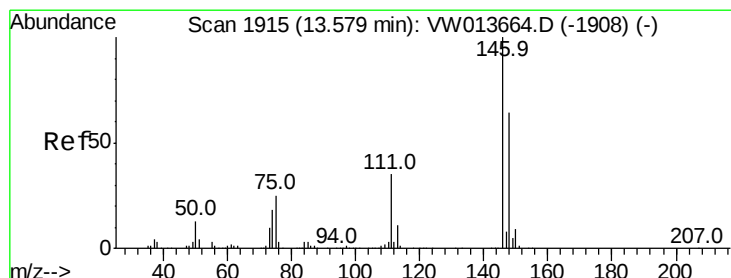
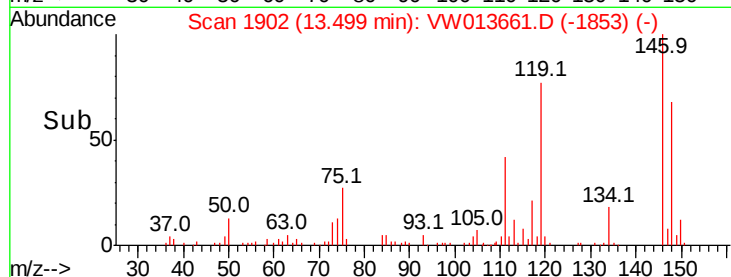
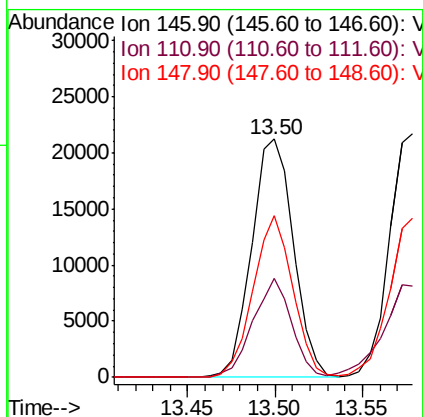
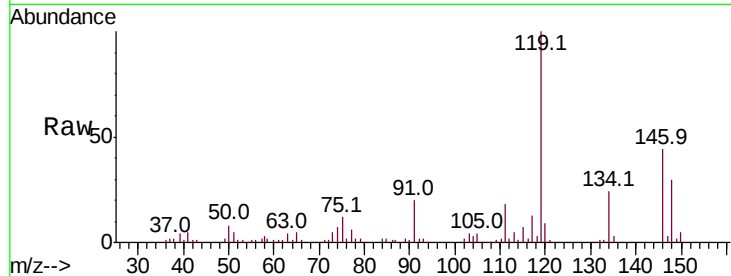
Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 35252

Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	56.0
148	64.4	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 5.420 ug/l

RT: 13.58 min Scan# 1915

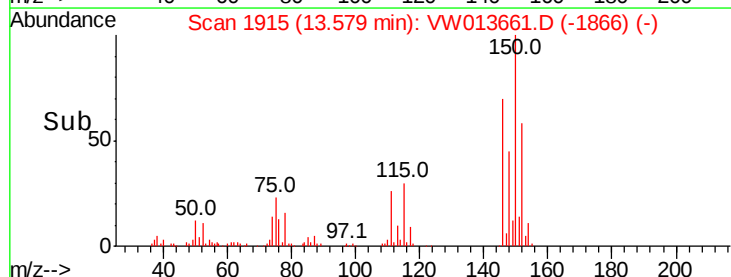
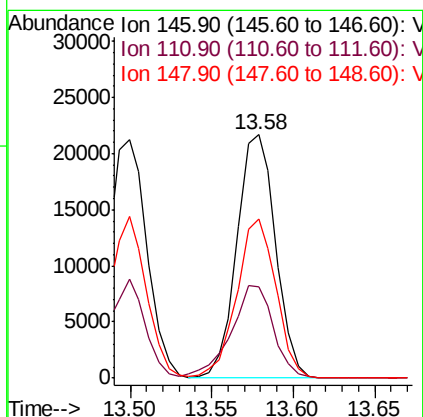
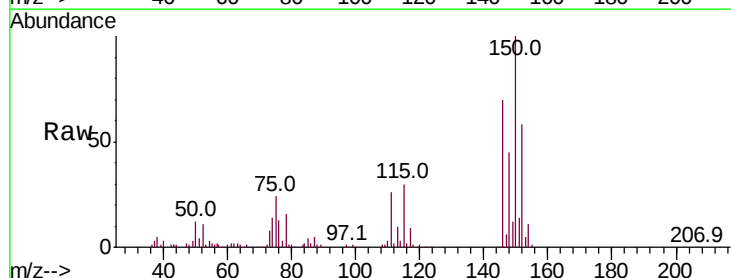
Delta R.T. 0.00 min

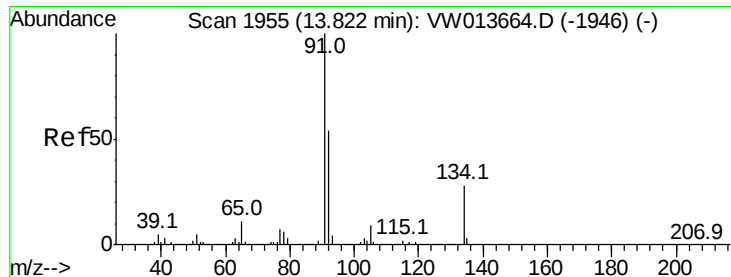
Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Tgt Ion:146 Resp: 35810

Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.1	54.3
148	66.4	32.0	96.2

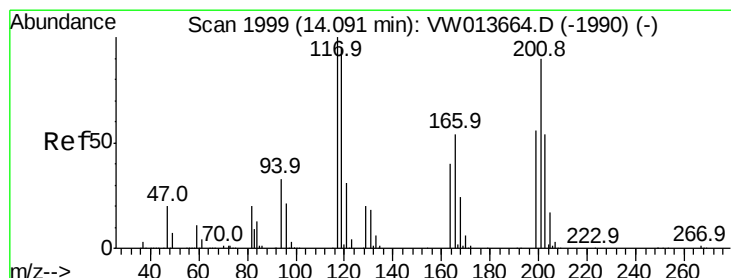
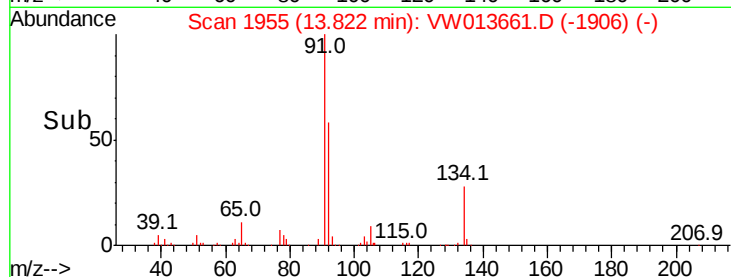
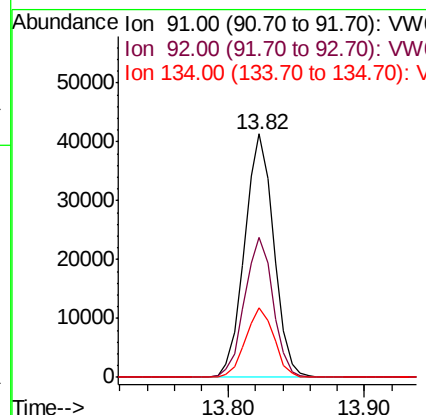
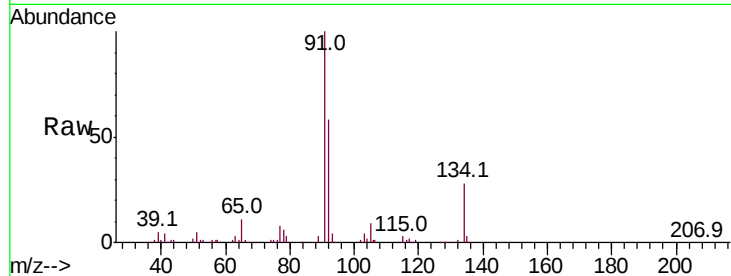




#89
n-Butylbenzene
Concen: 4.902 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

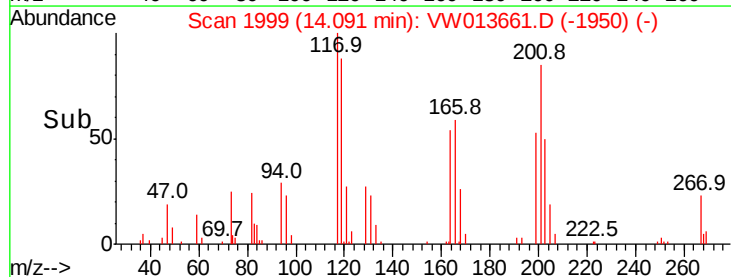
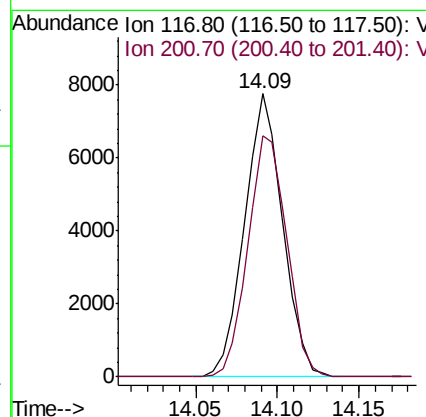
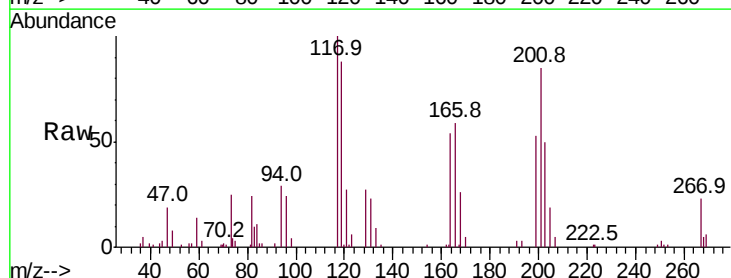
Instrument :
MSVOA_W
ClientSampleId :

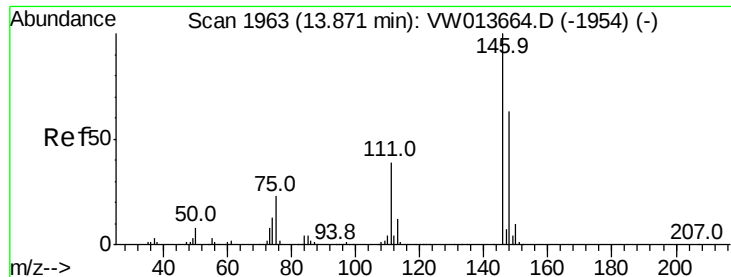
Tot Ion: 91 Resp: 62045
Ion Ratio Lower Upper
91 100
92 56.0 27.5 82.4
134 27.9 14.0 41.9



#90
Hexachloroethane
Concen: 5.223 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion: 117 Resp: 12612
Ion Ratio Lower Upper
117 100
201 86.9 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 5.135 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

Instrument :

MSVOA_W

ClientSampled :

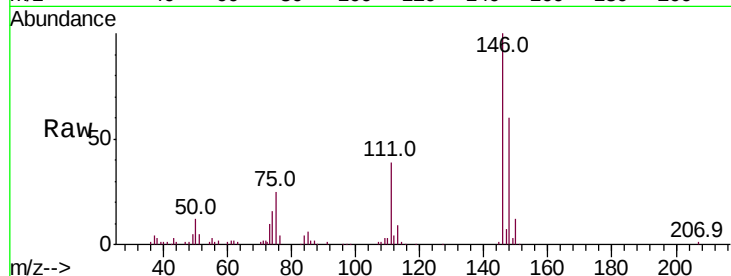
Tot Ion:146 Resp: 30467

Ion Ratio Lower Upper

146 100

111 40.4 19.9 59.6

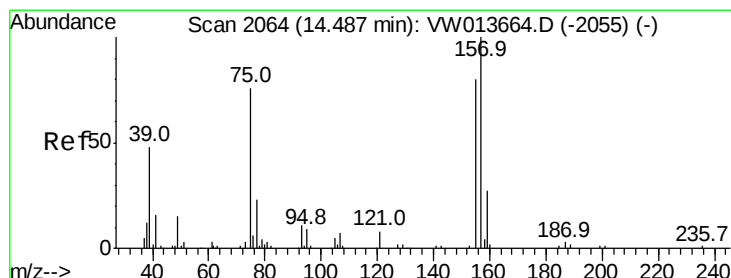
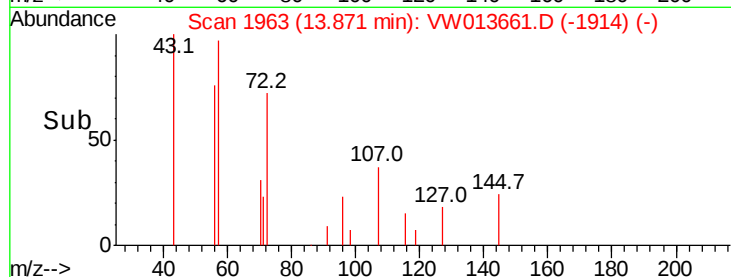
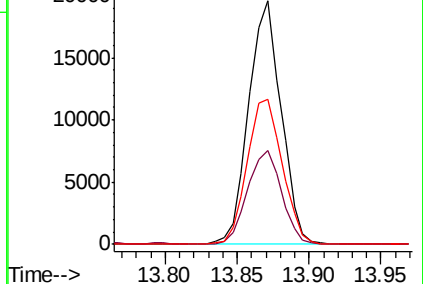
148 64.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.446 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW013661.D

Acq: 23 Oct 2019 11:23

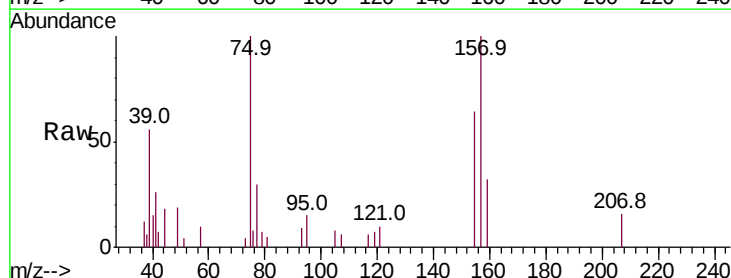
Tgt Ion: 75 Resp: 1769

Ion Ratio Lower Upper

75 100

155 93.0 51.9 155.7

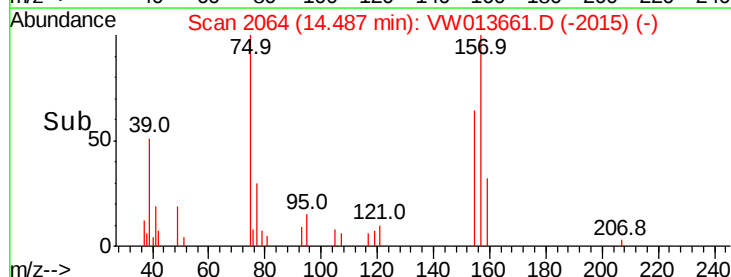
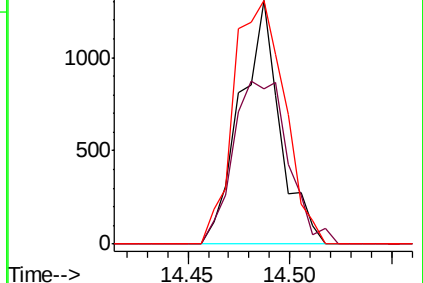
157 128.2 64.8 194.3

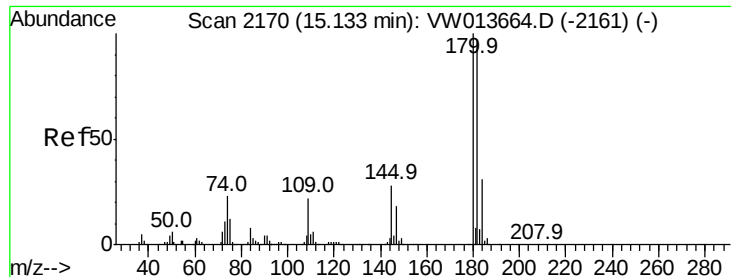


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

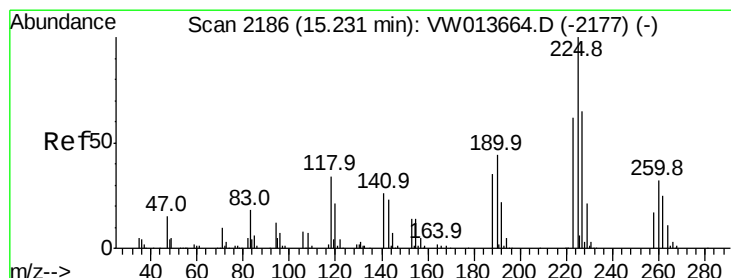
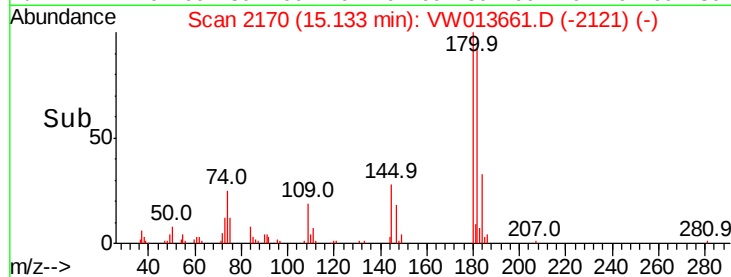
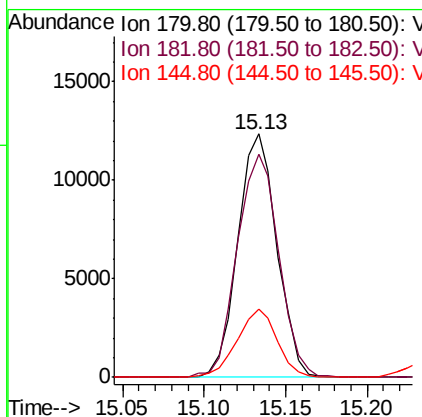
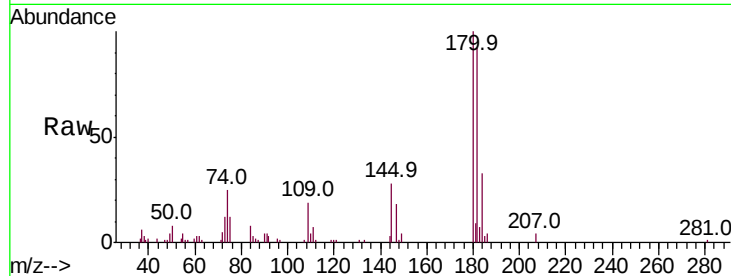




#93
 1,2,4-Trichlorobenzene
 Concen: 4.868 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

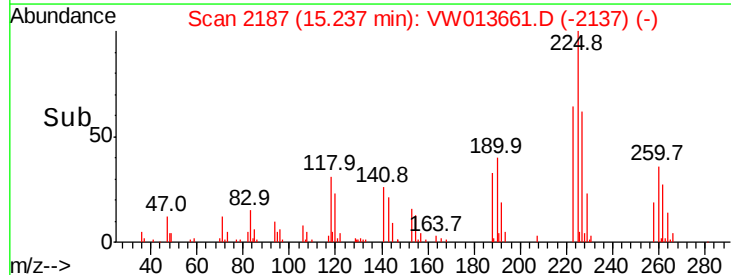
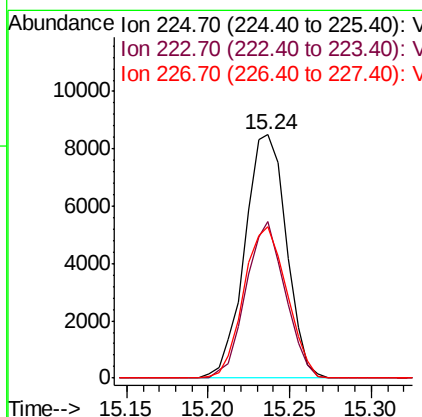
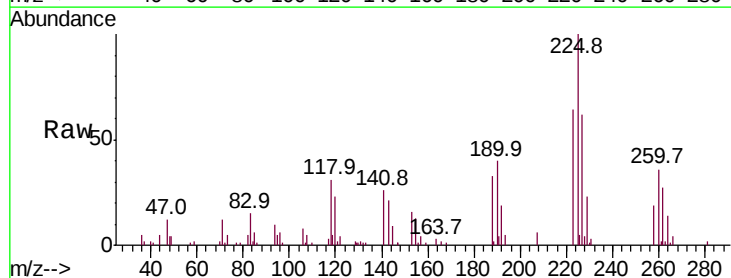
Instrument :
 MSVOA_W
 ClientSampleId :

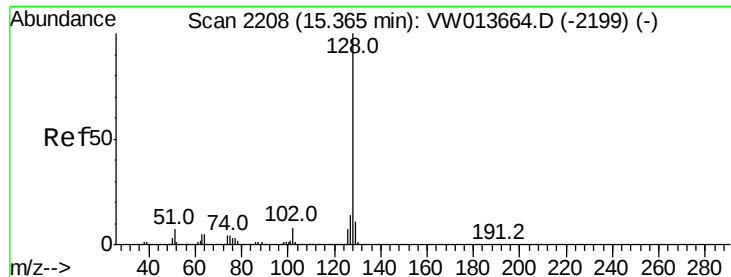
Tot Ion:180 Resp: 20516
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.4 142.2
 145 28.7 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 5.386 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013661.D
 Acq: 23 Oct 2019 11:23

Tgt Ion:225 Resp: 15080
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.9 95.9
 227 64.4 32.5 97.4

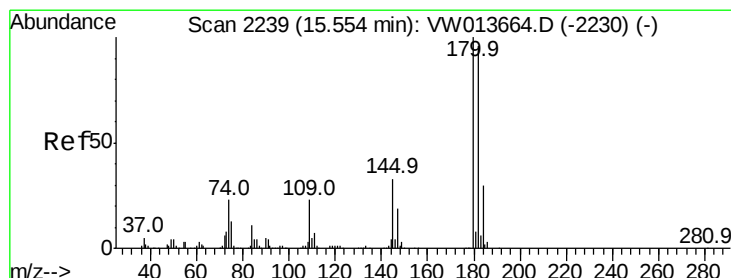
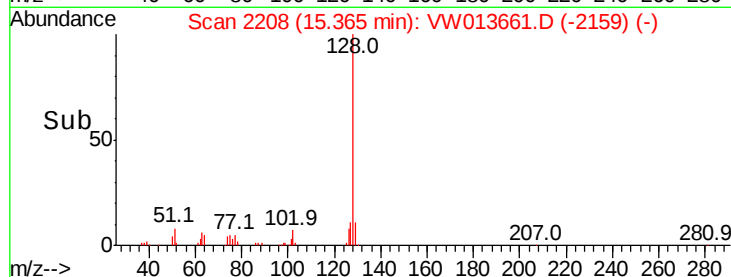
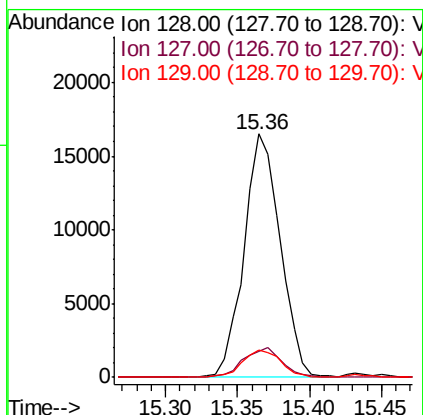
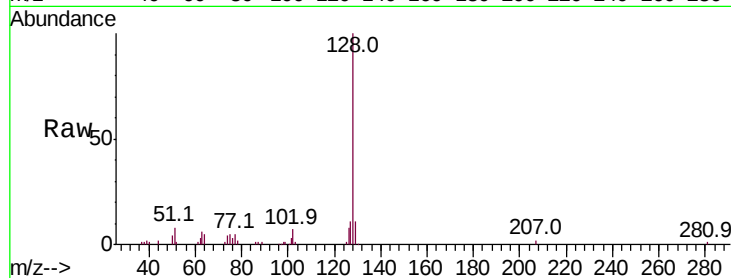




#95
Naphthalene
Concen: 3.984 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 28724
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 11.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.901 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013661.D
Acq: 23 Oct 2019 11:23

Tgt Ion:180 Resp: 18074
Ion Ratio Lower Upper
180 100
182 97.1 47.4 142.3
145 30.4 14.9 44.9

