

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW013995.D
 Acq On : 13 Nov 2019 09:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 14 05:51:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	342717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	494286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	419078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	207607	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141352	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
35) Dibromofluoromethane	7.88	113	154945	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
50) Toluene-d8	10.32	98	627707	56.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.18%	
62) 4-Bromofluorobenzene	12.62	95	209633	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	87276	48.338	ug/l	96
3) Chloromethane	2.21	50	85266	43.942	ug/l	99
4) Vinyl Chloride	2.37	62	151097	51.562	ug/l	98
5) Bromomethane	2.78	94	99223	51.484	ug/l	97
6) Chloroethane	2.92	64	93362	52.652	ug/l	100
7) Trichlorofluoromethane	3.26	101	95786	52.331	ug/l	100
8) Diethyl Ether	3.68	74	73368	49.614	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	149500	50.242	ug/l	98
10) Methyl Iodide	4.27	142	253002	52.178	ug/l	99
11) Tert butyl alcohol	5.16	59	37222	242.521	ug/l	100
12) 1,1-Dichloroethene	4.04	96	157230	51.154	ug/l	99
13) Acrolein	3.89	56	57168	325.122	ug/l	100
14) Allyl chloride	4.67	41	248849	52.653	ug/l	100
15) Acrylonitrile	5.36	53	149267	248.237	ug/l	98
16) Acetone	4.12	43	155217	284.739	ug/l	92
17) Carbon Disulfide	4.39	76	458182	51.906	ug/l	100
18) Methyl Acetate	4.67	43	69289	46.369	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	190102	51.540	ug/l	100
20) Methylene Chloride	4.92	84	165014	55.546	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	172541	52.156	ug/l	98
22) Diisopropyl ether	6.31	45	461459	53.526	ug/l	99
23) Vinyl Acetate	6.25	43	1276954	255.272	ug/l	100
24) 1,1-Dichloroethane	6.21	63	288350	52.812	ug/l	100
25) 2-Butanone	7.17	43	197940	252.567	ug/l	91
26) 2,2-Dichloropropane	7.17	77	168719	53.439	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	183838	52.319	ug/l	97
28) Bromochloromethane	7.51	49	97250	49.993	ug/l #	100
29) Tetrahydrofuran	7.52	42	118059	243.321	ug/l	99
30) Chloroform	7.67	83	287525	53.271	ug/l	100
31) Cyclohexane	7.95	56	270521	47.344	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	229860	54.269	ug/l	99
36) 1,1-Dichloropropene	8.08	75	235661	51.194	ug/l	99
37) Ethyl Acetate	7.25	43	80532	45.701	ug/l	99
38) Carbon Tetrachloride	8.07	117	216207	52.157	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	290171	48.811	ug/l	99
40) Benzene	8.32	78	677352	51.994	ug/l	98
41) Methacrylonitrile	7.48	41	52690	47.950	ug/l	95
42) 1,2-Dichloroethane	8.40	62	164764	50.189	ug/l	100
43) Isopropyl Acetate	8.42	43	157977	46.836	ug/l	99
44) Trichloroethene	9.09	130	187629	50.280	ug/l	100
45) 1,2-Dichloropropane	9.37	63	160573	51.603	ug/l	99
46) Dibromomethane	9.46	93	74039	49.023	ug/l	99
47) Bromodichloromethane	9.64	83	204709	52.385	ug/l	99
48) Methyl methacrylate	9.43	41	79782	47.697	ug/l	99
49) 1,4-Dioxane	9.44	88	21194	949.660	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	391939	233.840	ug/l	100
52) Toluene	10.38	92	432749	51.498	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	201909	51.039	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	252914	51.819	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	109313	48.566	ug/l	97
56) Ethyl methacrylate	10.65	69	137052	48.668	ug/l	99
57) 1,3-Dichloropropane	10.93	76	192771	49.908	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	338090	260.860	ug/l	99
59) 2-Hexanone	10.97	43	279728	242.085	ug/l	99
60) Dibromochloromethane	11.13	129	135458	50.687	ug/l	100
61) 1,2-Dibromoethane	11.23	107	103115	48.424	ug/l	99
64) Tetrachloroethene	10.86	164	159459	49.801	ug/l	95
65) Chlorobenzene	11.66	112	452126	52.501	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	160491	53.399	ug/l	99
67) Ethyl Benzene	11.73	91	818397	52.703	ug/l	99
68) m/p-Xylenes	11.84	106	629133	104.865	ug/l	98
69) o-Xylene	12.16	106	285438	51.761	ug/l	100
70) Styrene	12.18	104	497183	52.475	ug/l	99
71) Bromoform	12.35	173	78530	49.790	ug/l #	99
73) Isopropylbenzene	12.46	105	818566	54.904	ug/l	99
74) N-amyl acetate	12.27	43	145678	50.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	116160	49.373	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	150014	100.619	ug/l #	100
77) Bromobenzene	12.74	156	191077	53.650	ug/l	100
78) n-propylbenzene	12.80	91	943551	54.679	ug/l	99
79) 2-Chlorotoluene	12.89	91	524673	54.105	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	678583	53.918	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	39504	50.075	ug/l	98
82) 4-Chlorotoluene	12.99	91	549457	53.970	ug/l	99
83) tert-Butylbenzene	13.21	119	606063	54.251	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	674632	54.340	ug/l	99
85) sec-Butylbenzene	13.38	105	826182	54.081	ug/l	99
86) p-Isopropyltoluene	13.50	119	779858	54.802	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	367402	53.242	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	359716	52.472	ug/l	99
89) n-Butylbenzene	13.82	91	690844	53.784	ug/l	99
90) Hexachloroethane	14.09	117	134766	54.484	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	313948	52.471	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17515	49.232	ug/l	98

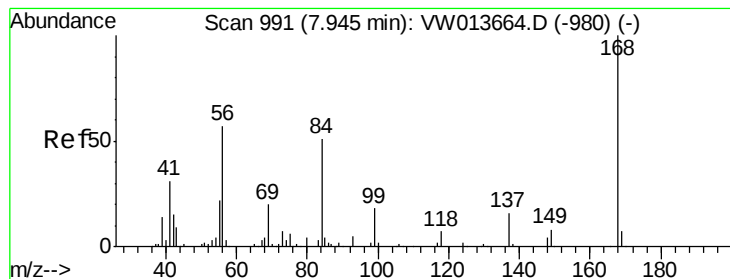
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	213958	49.136	ug/l	99
94) Hexachlorobutadiene	15.24	225	156928	53.384	ug/l	99
95) Naphthalene	15.36	128	321070	47.028	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	182981	48.768	ug/l	100

(#) = 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: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

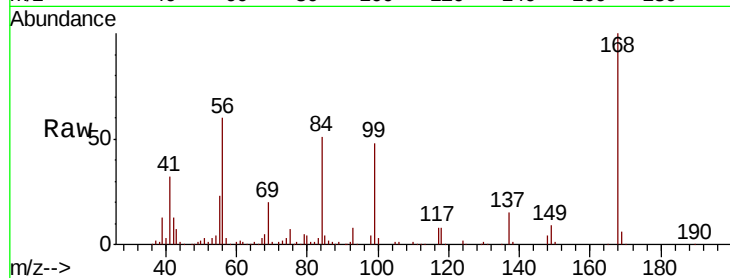
ClientSampleId :

Tot Ion:168 Resp: 342717

Ion Ratio Lower Upper

168 100

99 47.9 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW013664.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW013995.D (-942) (-)

7.95

150000

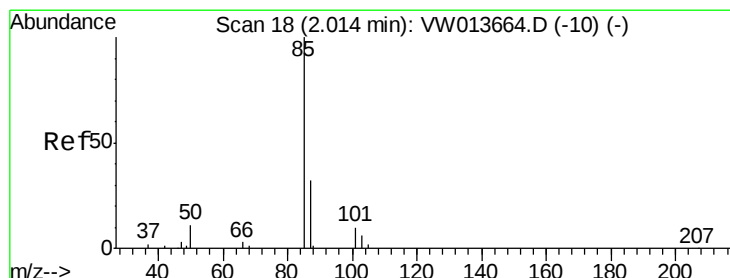
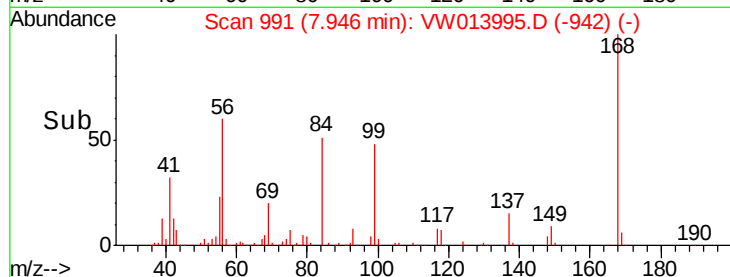
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 48.338 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013995.D

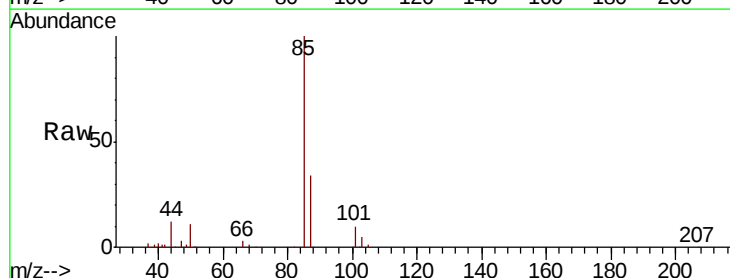
Acq: 13 Nov 2019 09:49

Tgt Ion: 85 Resp: 87276

Ion Ratio Lower Upper

85 100

87 34.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW013664.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW013995.D (-1) (-)

2.01

30000

25000

20000

15000

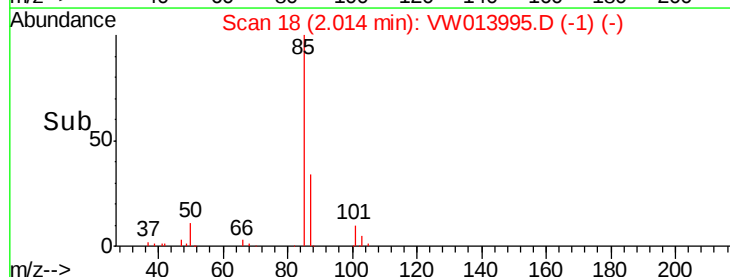
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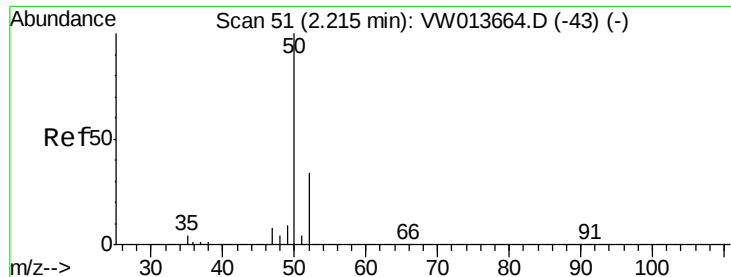
5000

0

Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 43.942 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

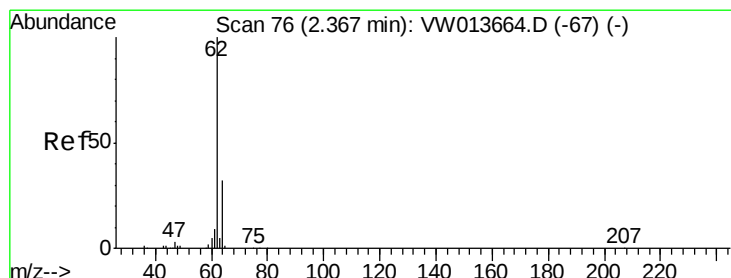
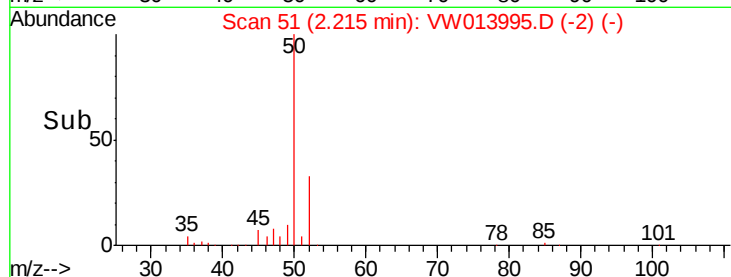
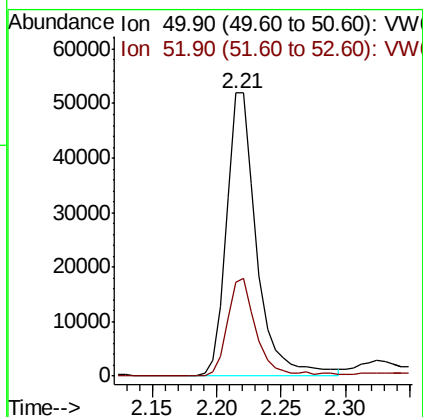
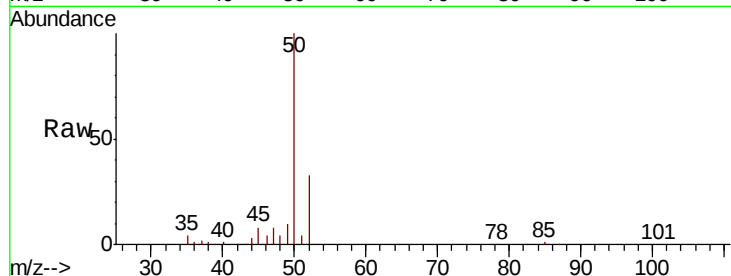
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 85266

Ion Ratio Lower Upper

50 100

52 33.0 26.9 40.3



#4

Vinyl Chloride

Concen: 51.562 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013995.D

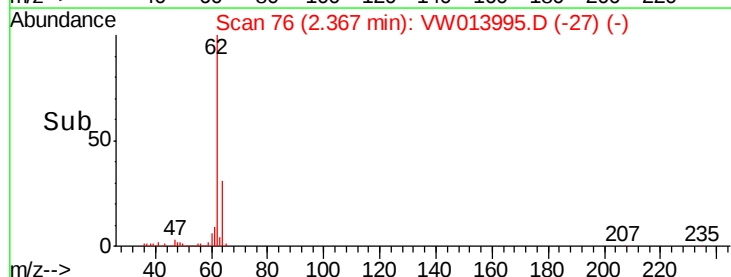
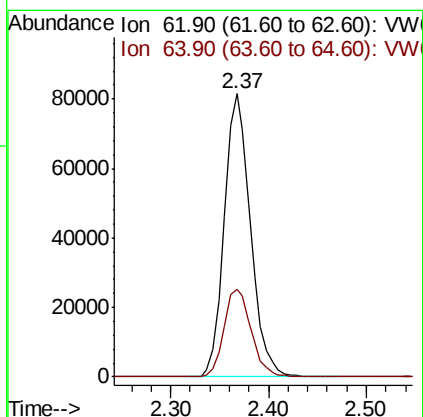
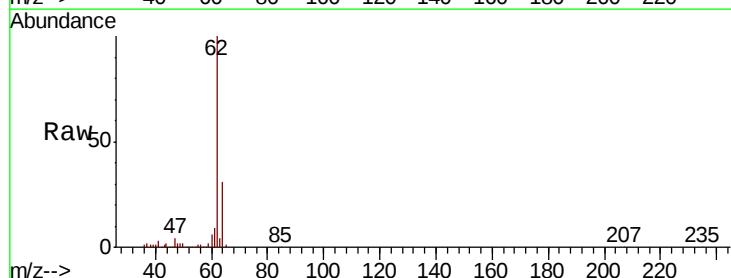
Acq: 13 Nov 2019 09:49

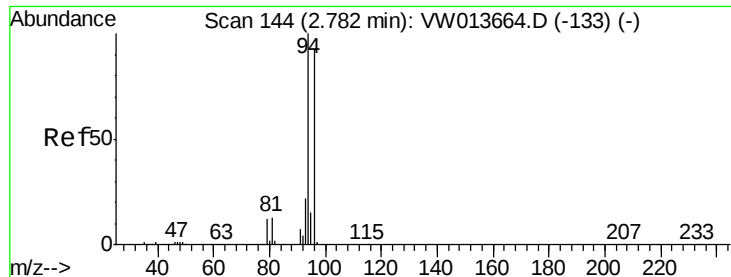
Tgt Ion: 62 Resp: 151097

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3





#5

Bromomethane

Concen: 51.484 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

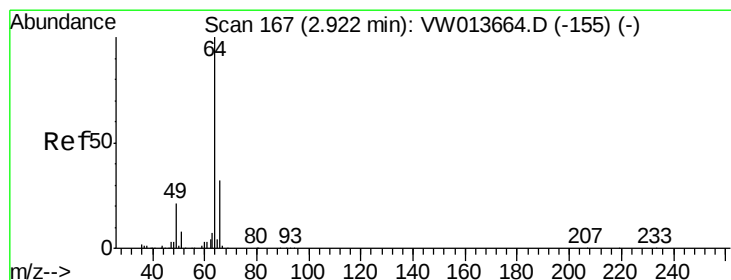
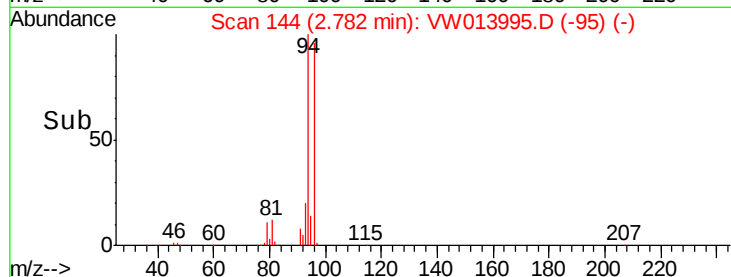
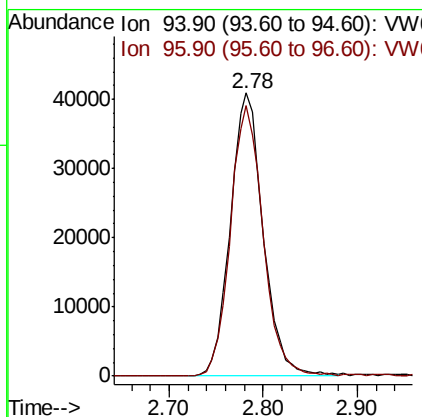
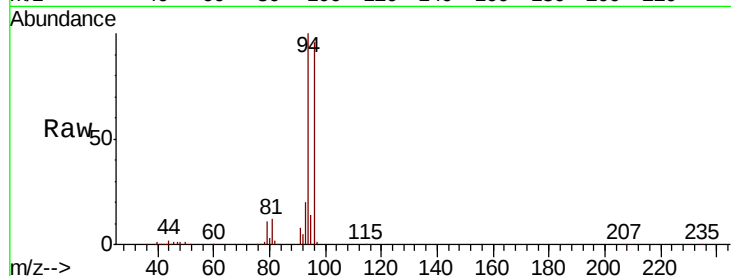
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 99223

Ion Ratio Lower Upper

94 100

96 95.8 74.6 112.0



#6

Chloroethane

Concen: 52.652 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013995.D

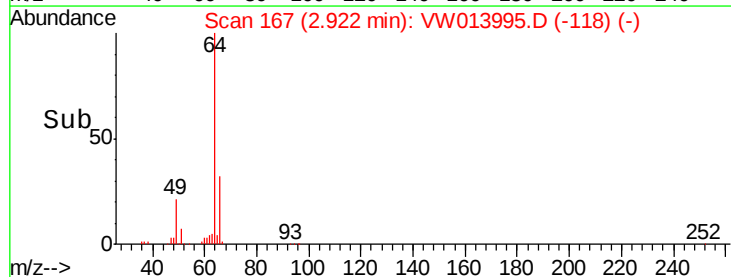
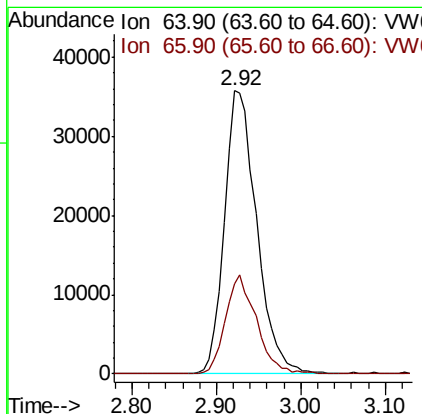
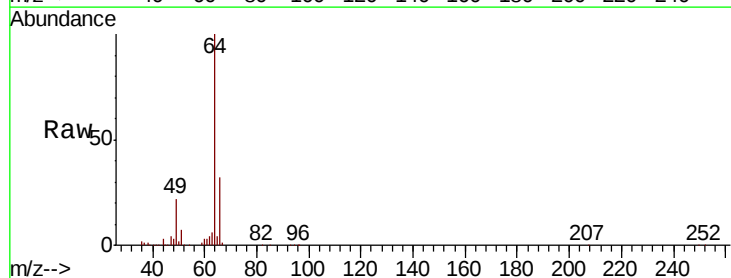
Acq: 13 Nov 2019 09:49

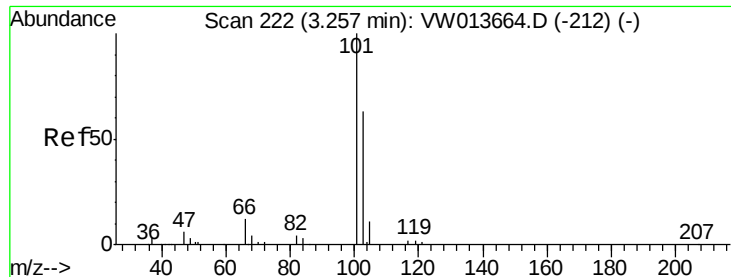
Tgt Ion: 64 Resp: 93362

Ion Ratio Lower Upper

64 100

66 31.9 25.4 38.0



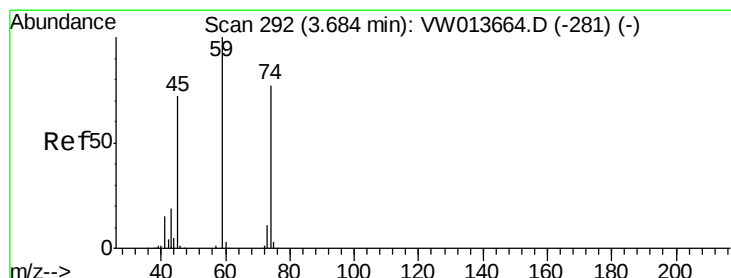
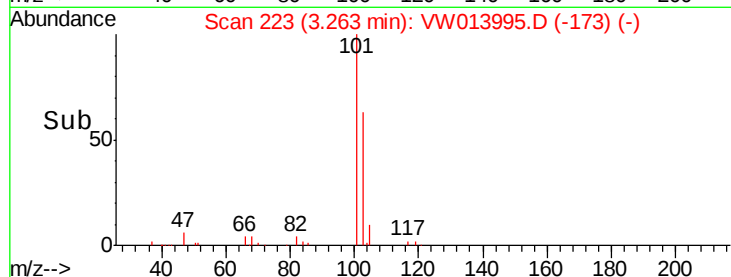
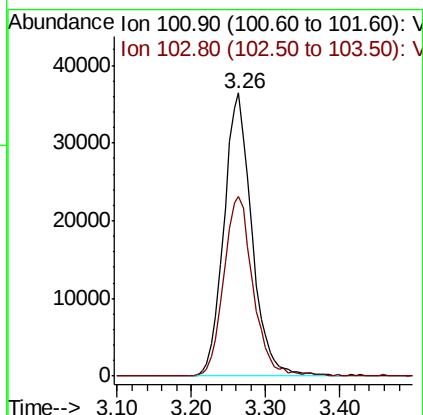
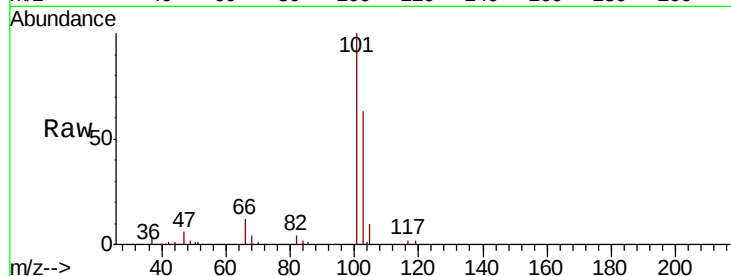


#7

Trichlorofluoromethane
 Concen: 52.331 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Instrument :
 MSVOA_W
 ClientSampled :

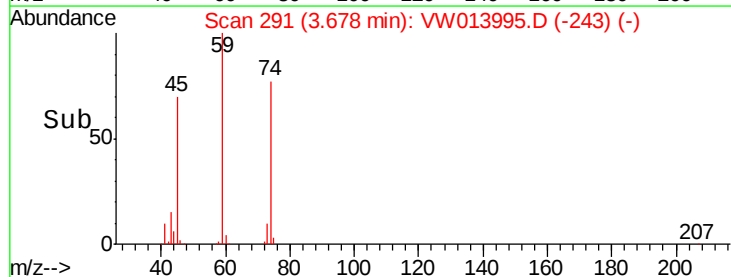
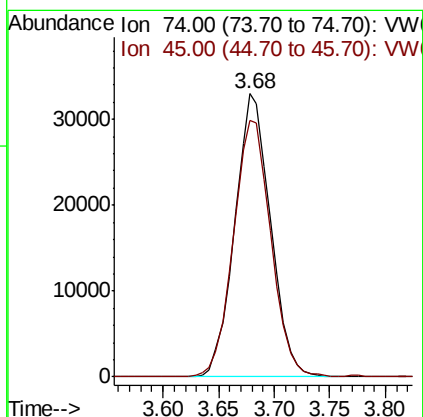
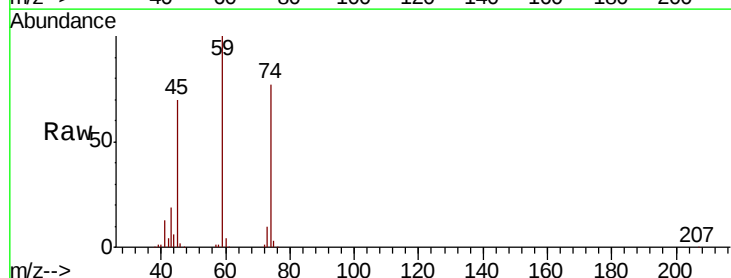
Tot Ion:101 Resp: 95786
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.6 76.0

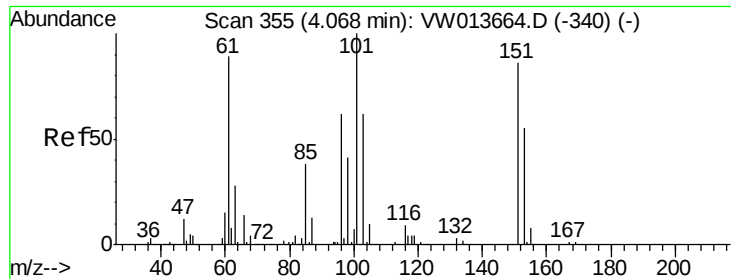


#8

Diethyl Ether
 Concen: 49.614 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Tgt Ion: 74 Resp: 73368
 Ion Ratio Lower Upper
 74 100
 45 95.1 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.242 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

ClientSampled :

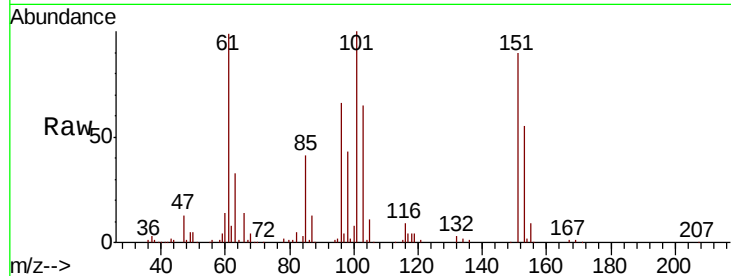
Tot Ion:101 Resp: 149500

Ion Ratio Lower Upper

101 100

85 41.6 31.0 46.6

151 85.9 68.2 102.4

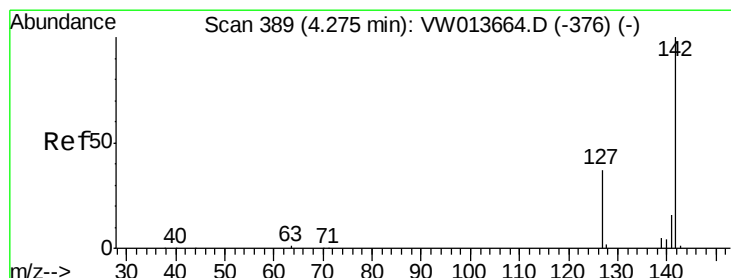
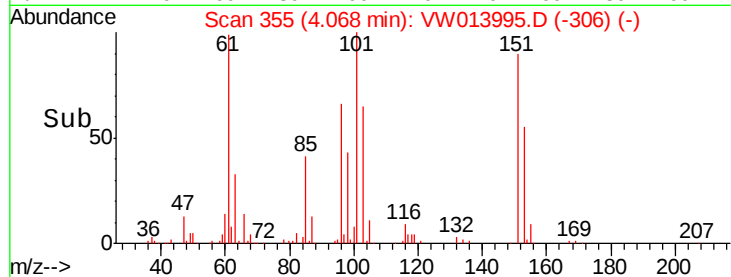
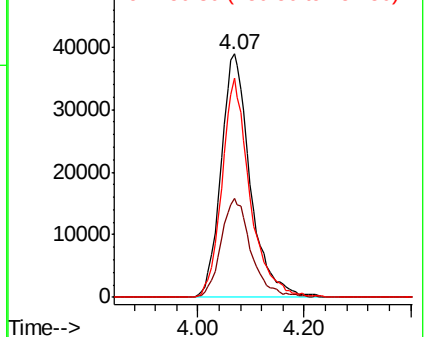


Abundance

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: 52.178 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

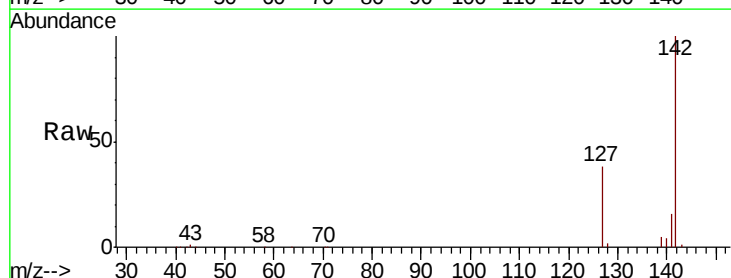
Tgt Ion:142 Resp: 253002

Ion Ratio Lower Upper

142 100

127 38.4 30.3 45.5

141 14.9 11.8 17.8

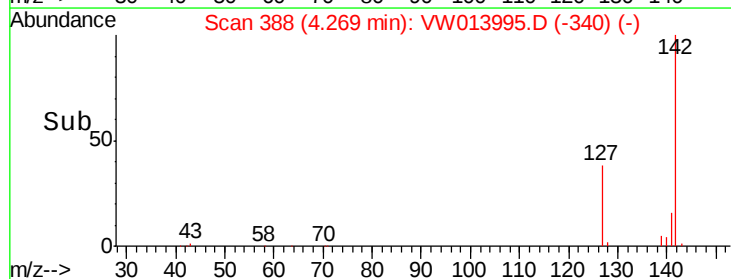
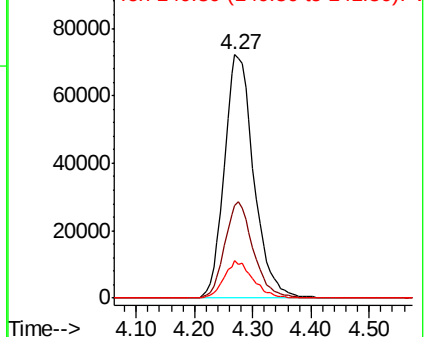


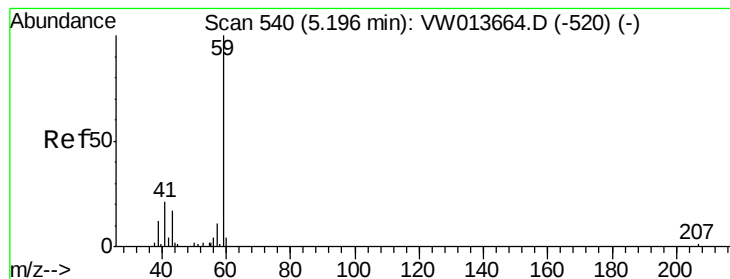
Abundance

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



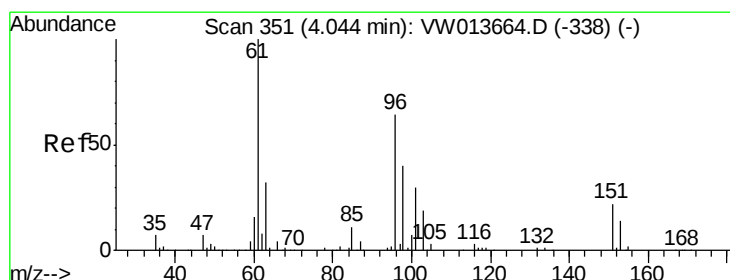
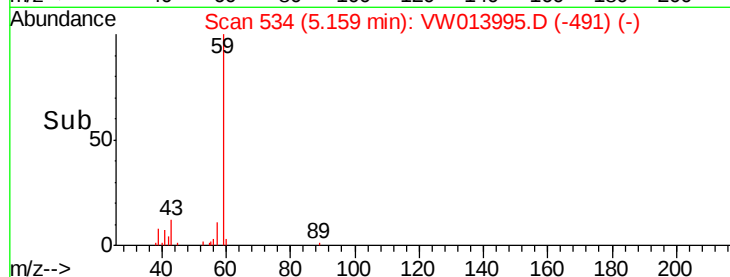
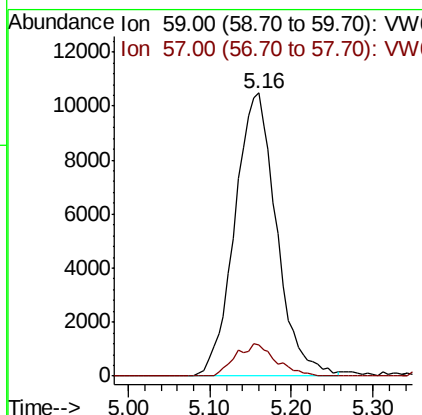
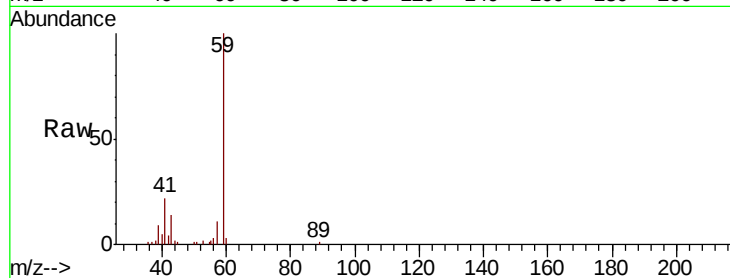


#11

Tert butyl alcohol
Concen: 242.521 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.04 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Instrument :
MSVOA_W
ClientSampleId :

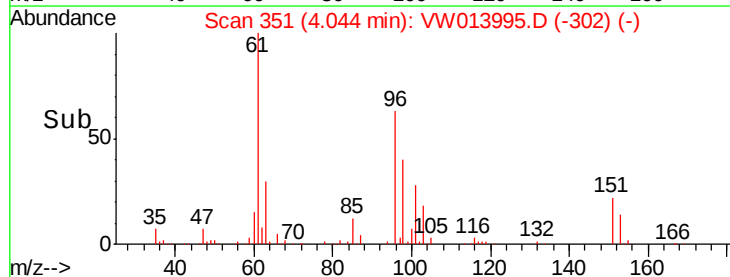
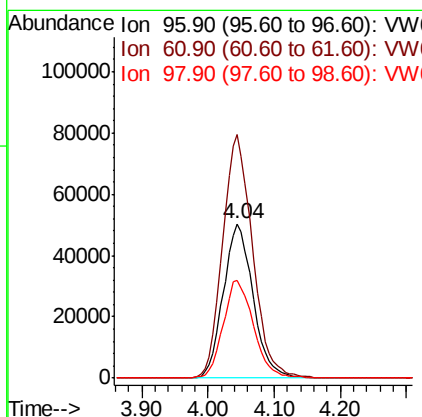
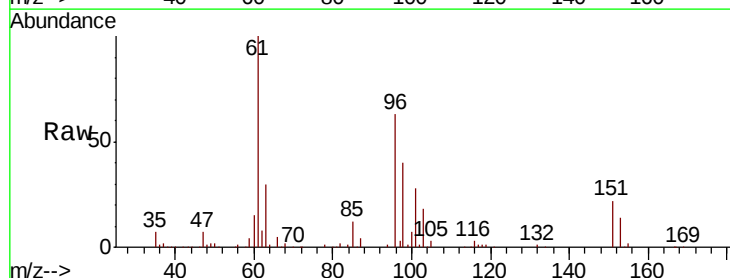
Tot Ion: 59 Resp: 37222
Ion Ratio Lower Upper
59 100
57 10.9 8.8 13.2

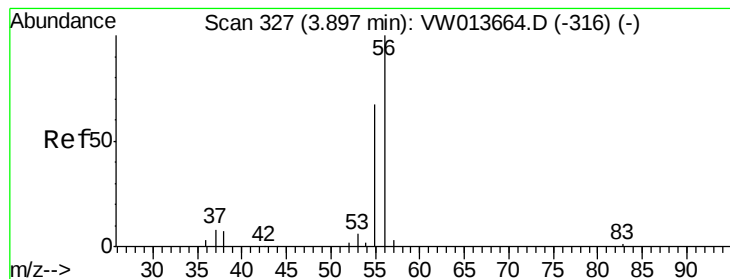


#12

1,1-Dichloroethene
Concen: 51.154 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion: 96 Resp: 157230
Ion Ratio Lower Upper
96 100
61 158.1 125.0 187.6
98 63.3 50.3 75.5





#13

Acrolein

Concen: 325.122 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

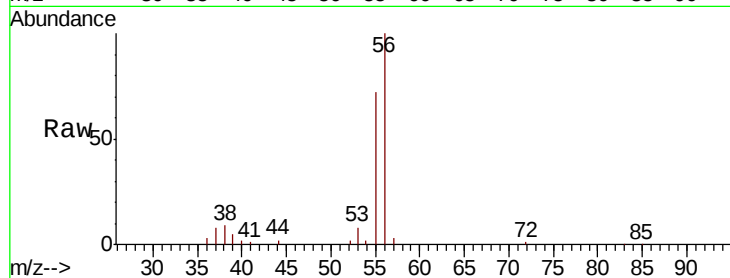
ClientSampleId :

Tot Ion: 56 Resp: 57168

Ion Ratio Lower Upper

56 100

55 70.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

25000

20000

15000

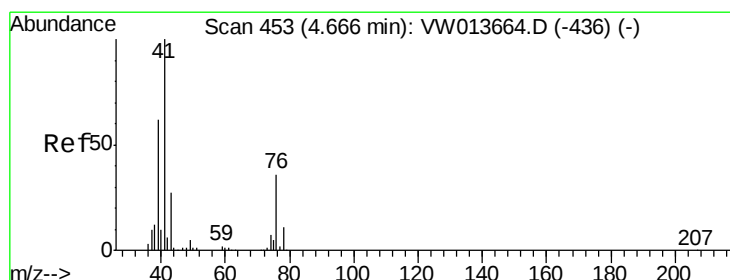
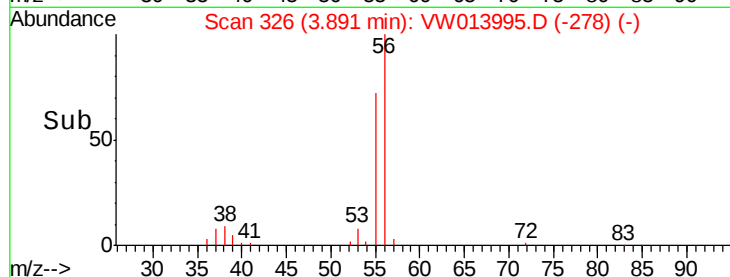
10000

5000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 52.653 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

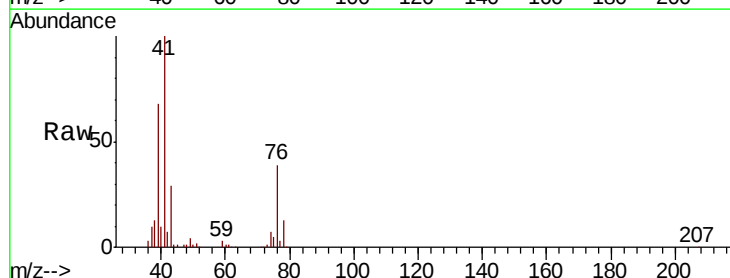
Tgt Ion: 41 Resp: 248849

Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

76 36.9 29.6 44.4



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

150000

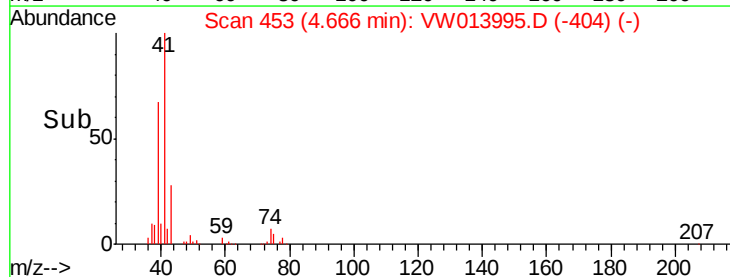
100000

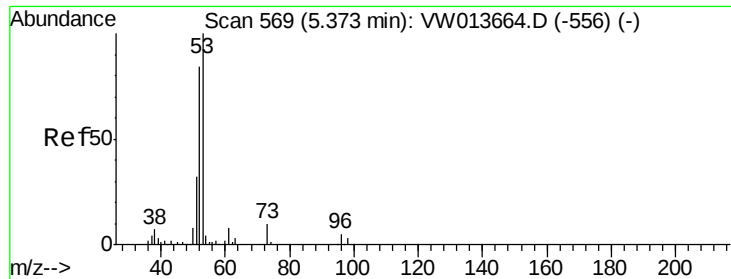
50000

0

Time-->

4.40 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 248.237 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

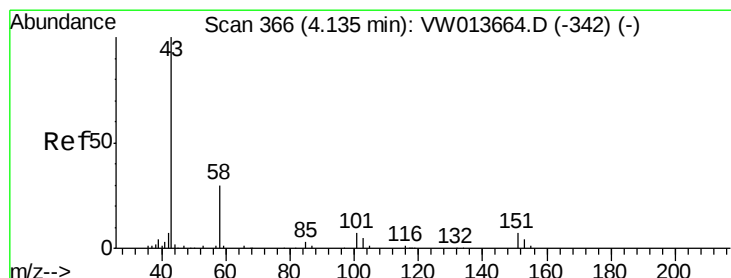
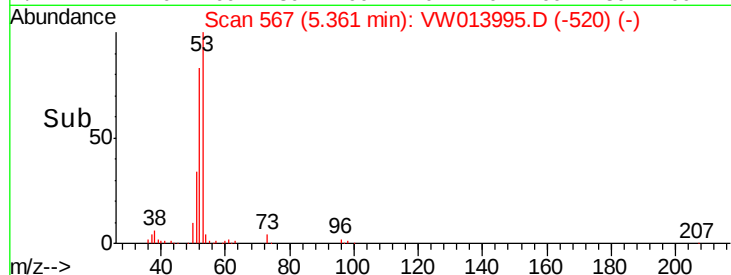
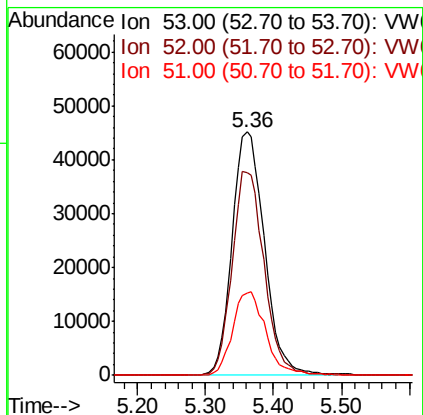
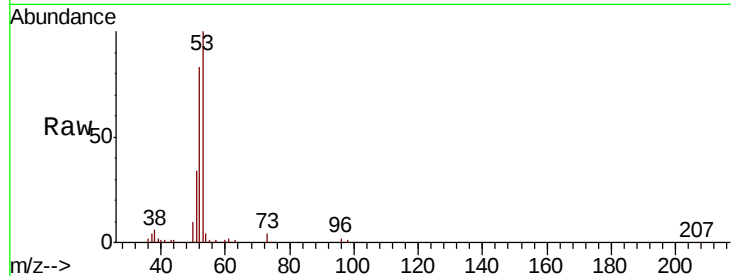
Tot Ion: 53 Resp: 149267

Ion Ratio Lower Upper

53 100

52 82.4 67.4 101.0

51 35.2 29.1 43.7



#16

Acetone

Concen: 284.739 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013995.D

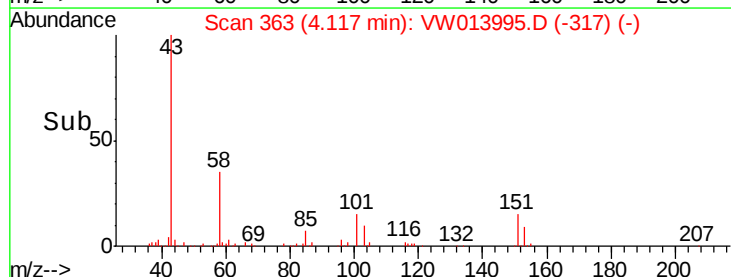
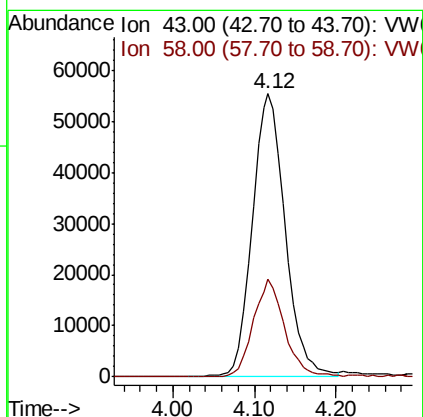
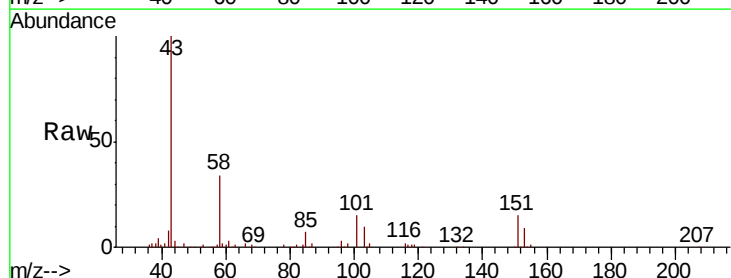
Acq: 13 Nov 2019 09:49

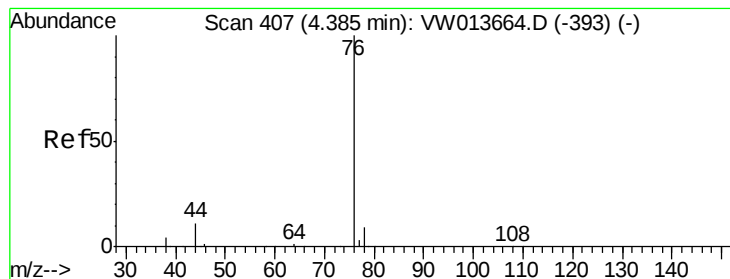
Tgt Ion: 43 Resp: 155217

Ion Ratio Lower Upper

43 100

58 34.4 24.1 36.1





#17

Carbon Disulfide

Concen: 51.906 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

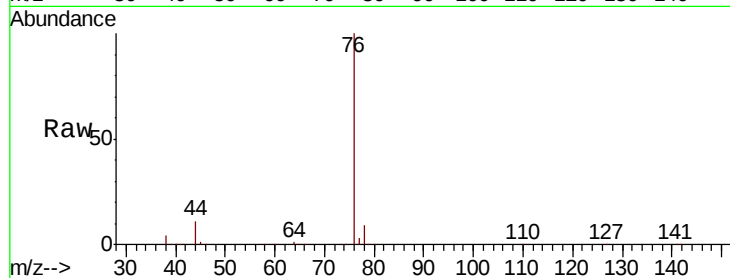
ClientSampleId :

Tot Ion: 76 Resp: 458182

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

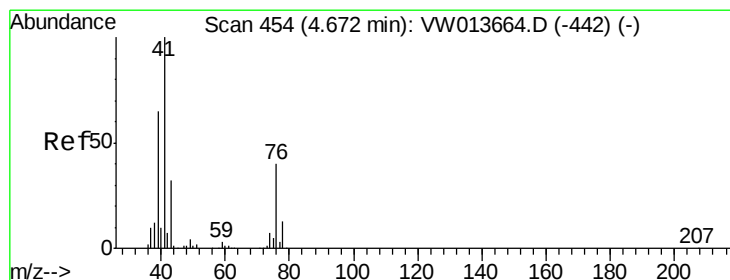
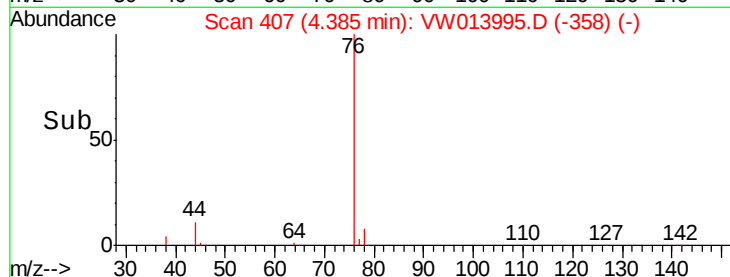
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.369 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013995.D

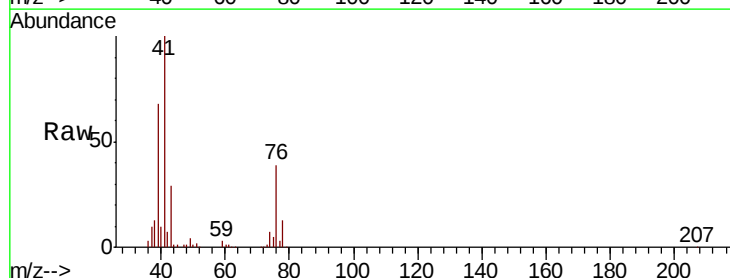
Acq: 13 Nov 2019 09:49

Tgt Ion: 43 Resp: 69289

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

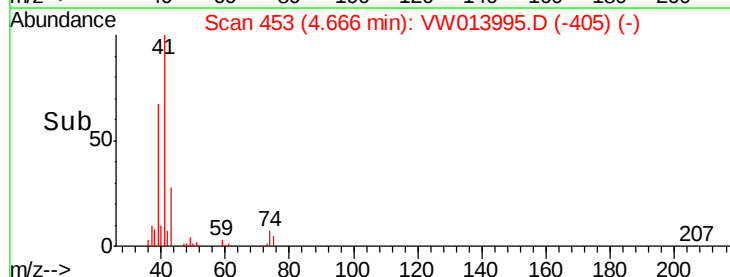
15000

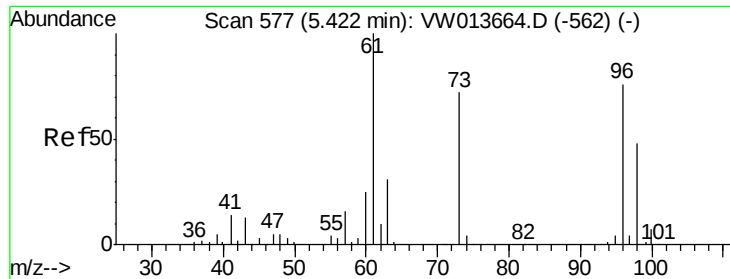
10000

5000

0

Time-->

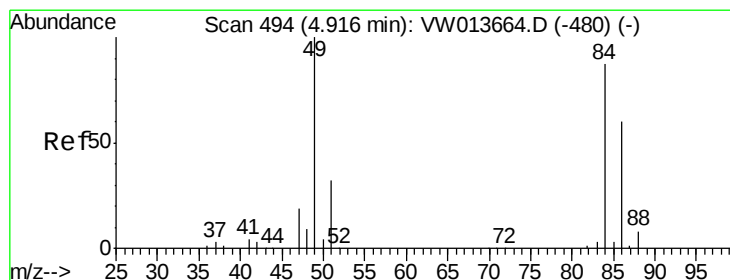
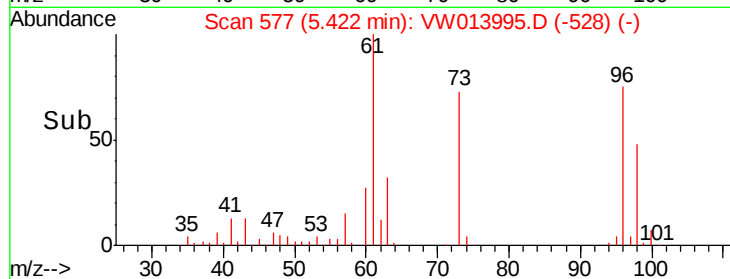
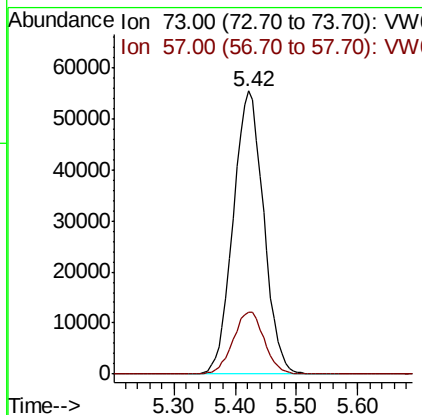
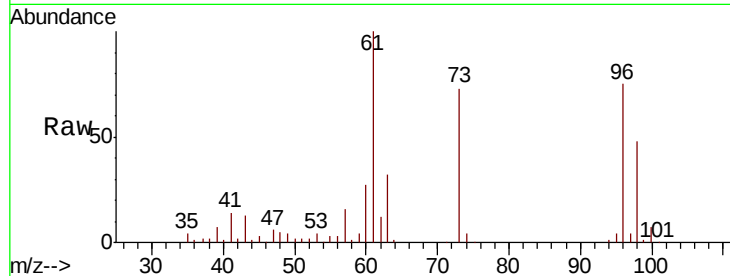




#19
Methvl tert-butvl Ether
Concen: 51.540 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

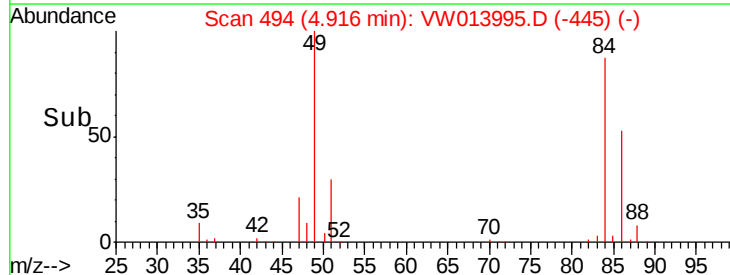
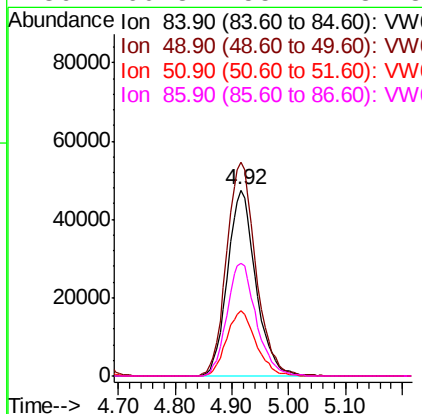
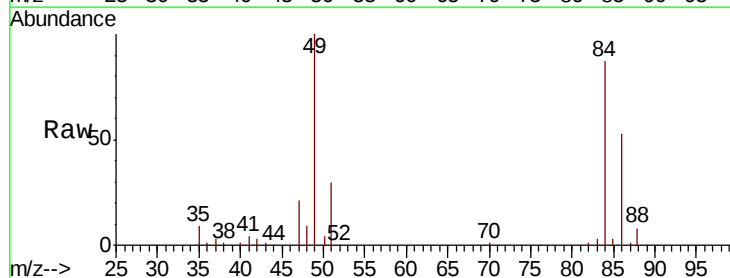
Instrument :
MSVOA_W
ClientSampleId :

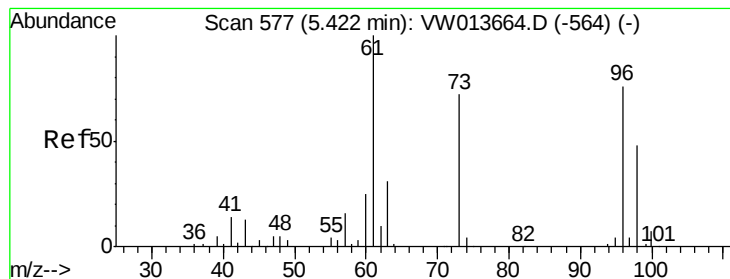
Tot Ion: 73 Resp: 190102
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4



#20
Methylene Chloride
Concen: 55.546 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion: 84 Resp: 165014
Ion Ratio Lower Upper
84 100
49 114.9 91.8 137.6
51 34.9 29.8 44.6
86 60.8 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 52.156 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

ClientSampled :

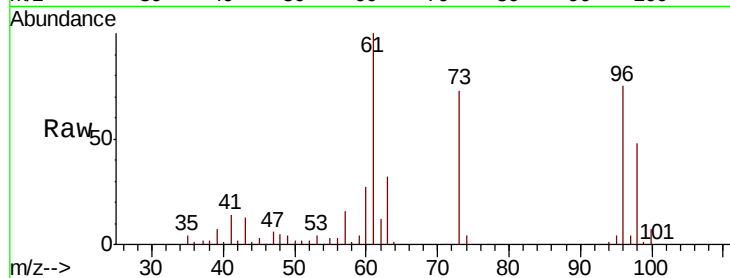
Tot Ion: 96 Resp: 172541

Ion Ratio Lower Upper

96 100

61 133.7 104.8 157.2

98 63.6 50.6 76.0



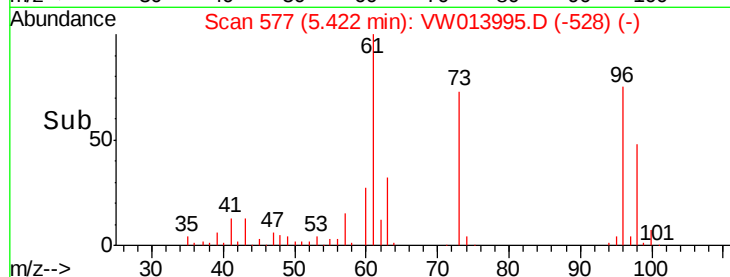
Abundance

Ion 95.90 (95.60 to 96.60): VW

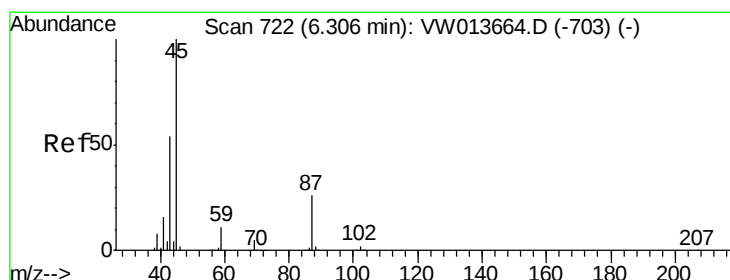
Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

Time-->



Time-->



#22

Diisopropyl ether

Concen: 53.526 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Tgt Ion: 45 Resp: 461459

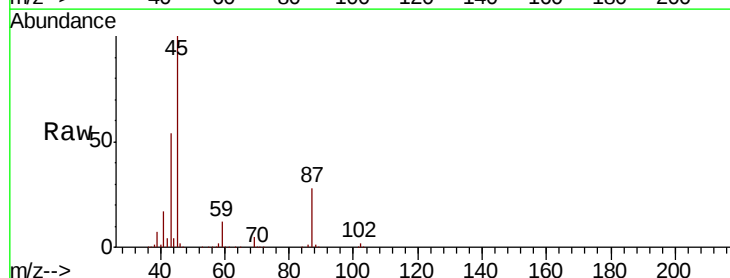
Ion Ratio Lower Upper

45 100

43 54.0 43.4 65.2

87 27.6 21.5 32.3

59 11.7 9.2 13.8



Abundance

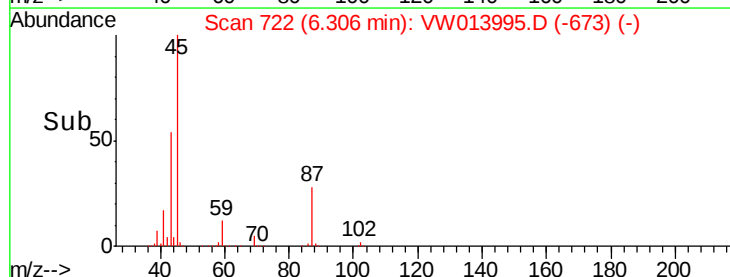
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

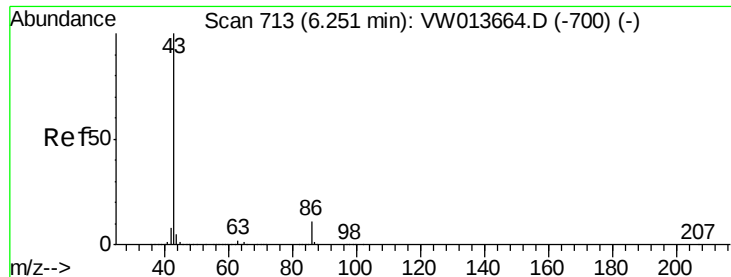
Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

Time-->



Time-->



#23

Vinyl Acetate

Concen: 255.272 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

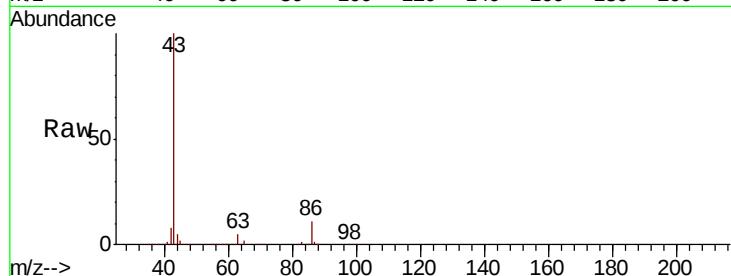
ClientSampleId :

Tot Ion: 43 Resp: 1276954

Ion Ratio Lower Upper

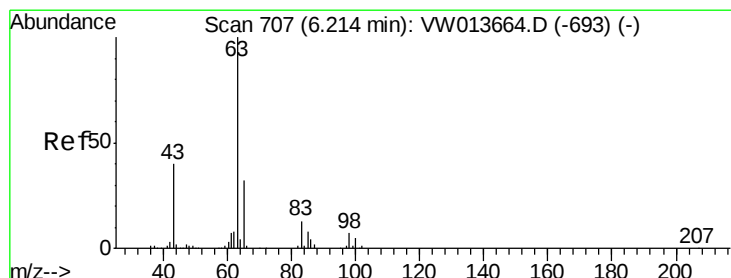
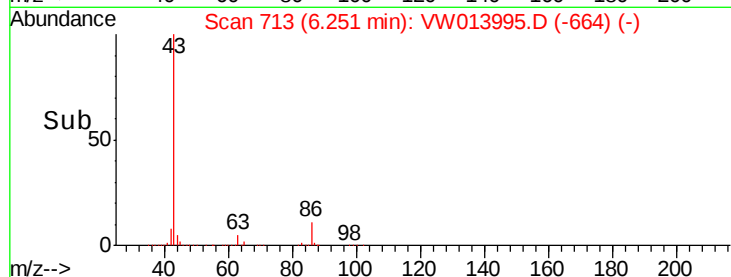
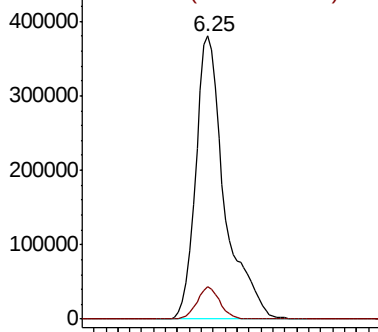
43 100

86 11.4 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 52.812 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

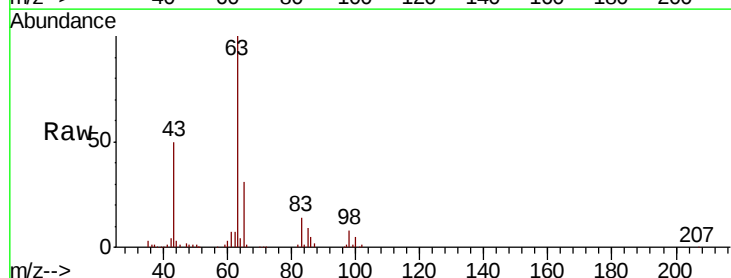
Tgt Ion: 63 Resp: 288350

Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

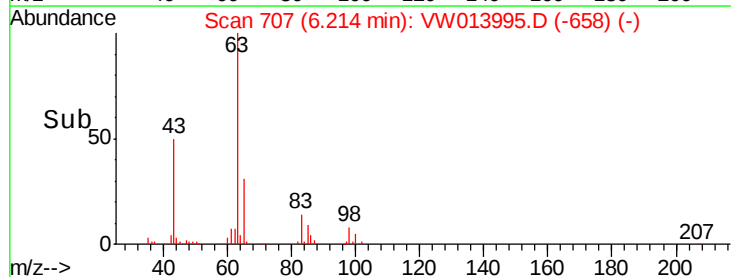
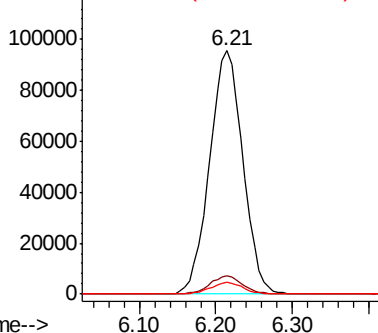
100 4.9 2.5 7.4

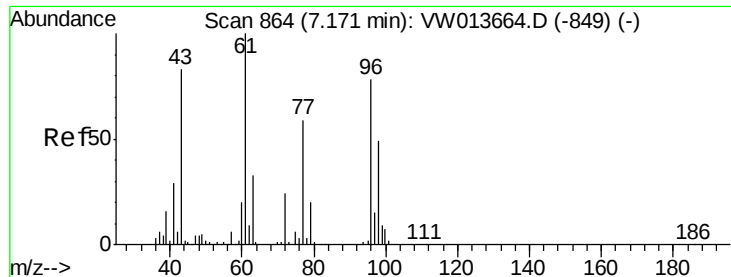


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 252.567 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

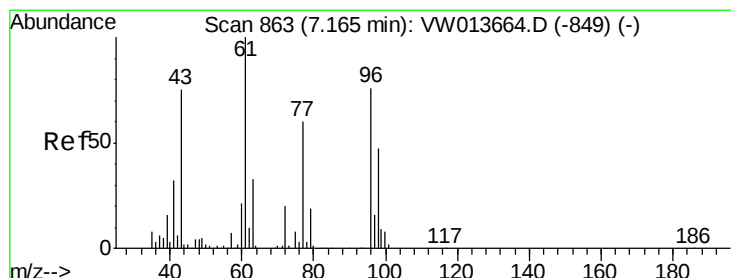
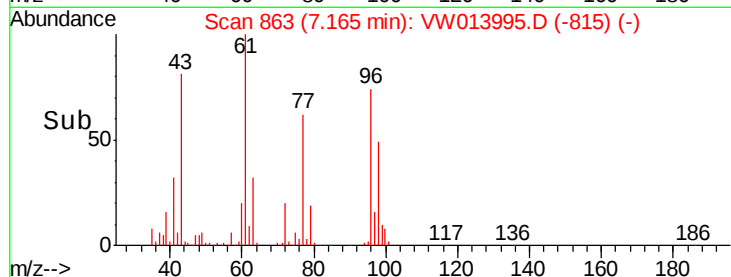
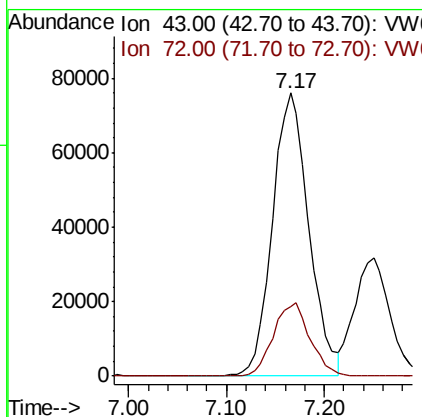
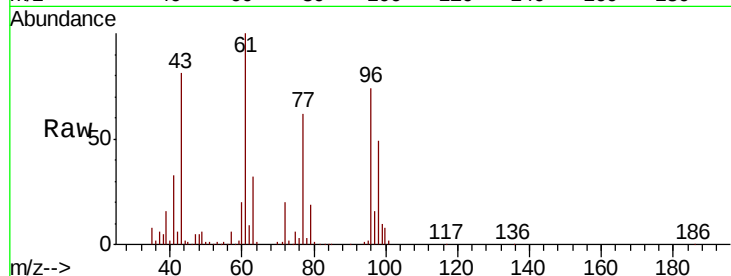
ClientSampled :

Tot Ion: 43 Resp: 197940

Ion Ratio Lower Upper

43 100

72 24.7 23.6 35.4



#26

2,2-Dichloropropane

Concen: 53.439 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013995.D

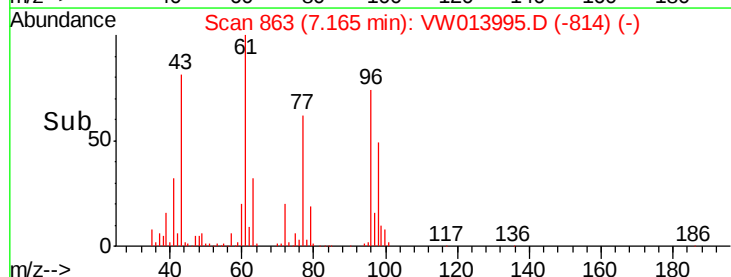
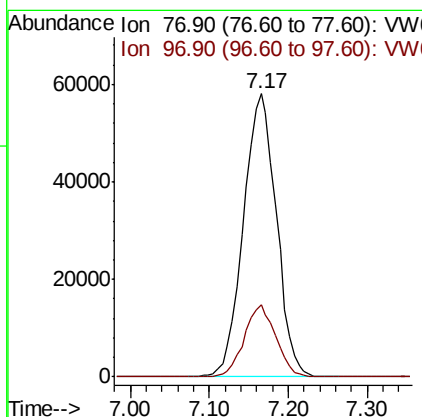
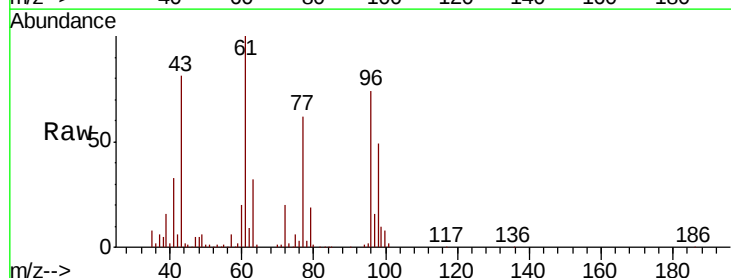
Acq: 13 Nov 2019 09:49

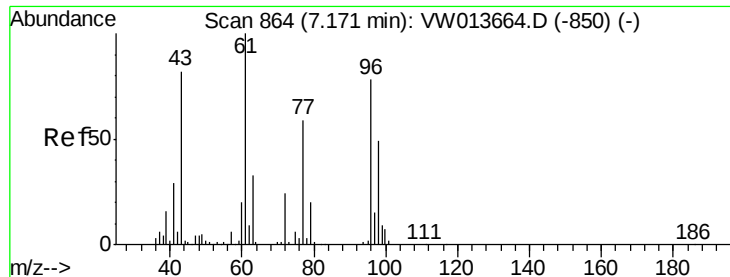
Tgt Ion: 77 Resp: 168719

Ion Ratio Lower Upper

77 100

97 24.3 12.8 38.4



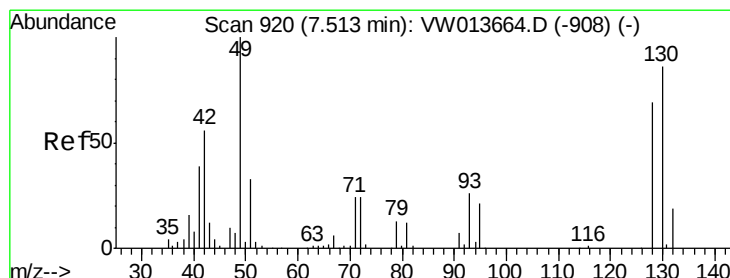
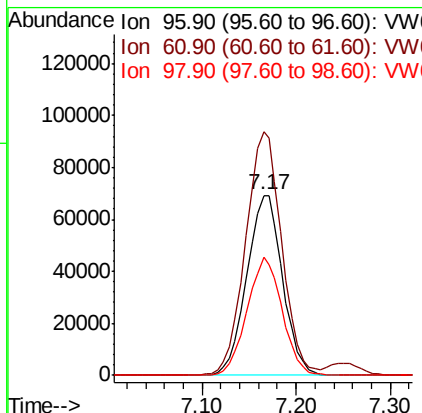
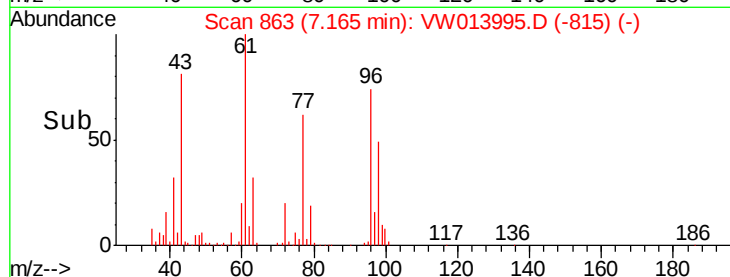
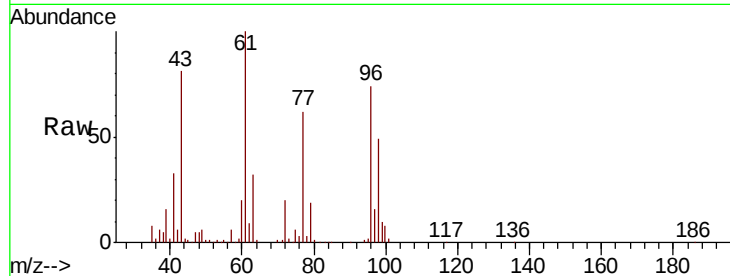


#27

cis-1,2-Dichloroethene
Concen: 52.319 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Instrument :
MSVOA_W
ClientSampleId :

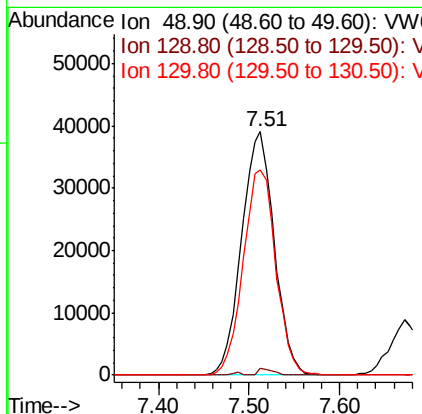
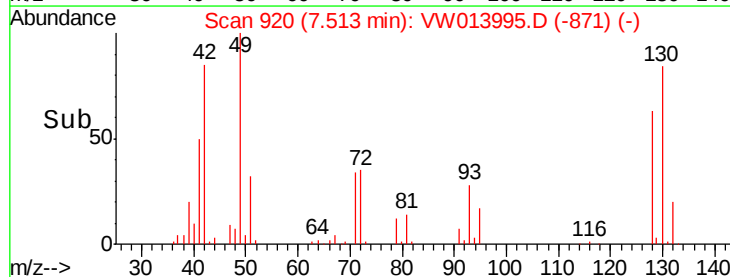
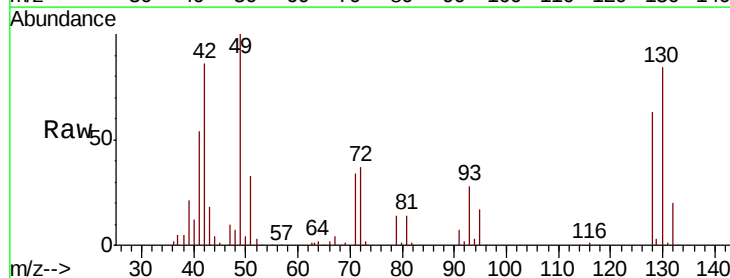
Tot Ion: 96 Resp: 183838
Ion Ratio Lower Upper
96 100
61 137.2 0.0 266.0
98 64.4 0.0 126.8

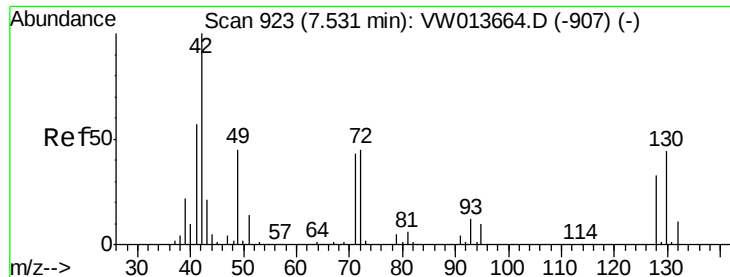


#28

Bromochloromethane
Concen: 49.993 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion: 49 Resp: 97250
Ion Ratio Lower Upper
49 100
129 1.2 0.0 0.6#
130 84.4 67.5 101.3

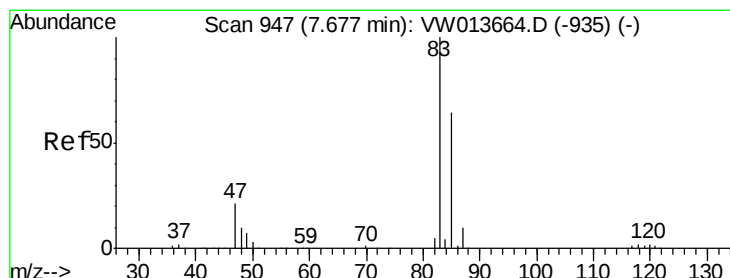
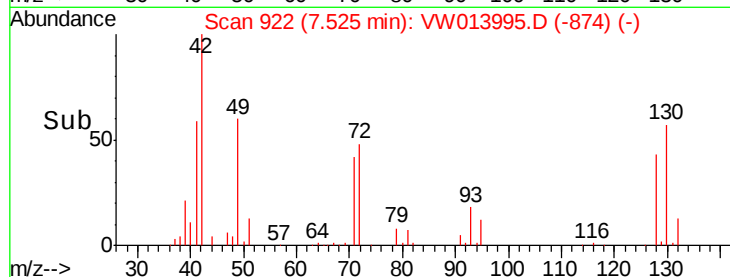
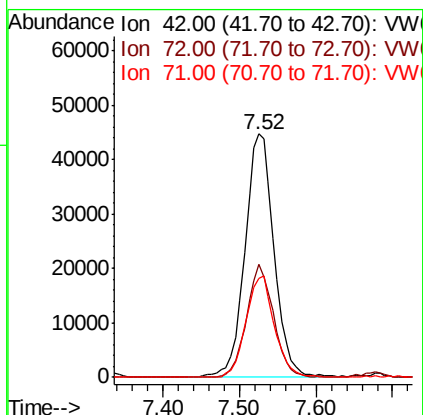
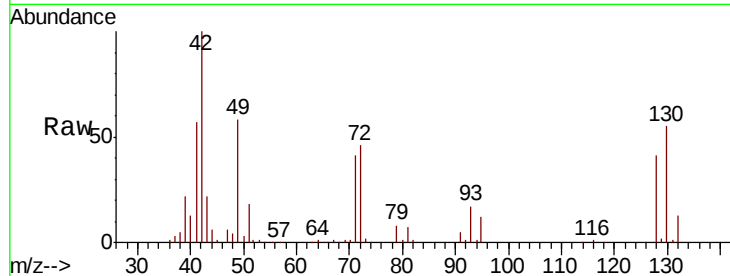




#29
Tetrahydrofuran
Concen: 243.321 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

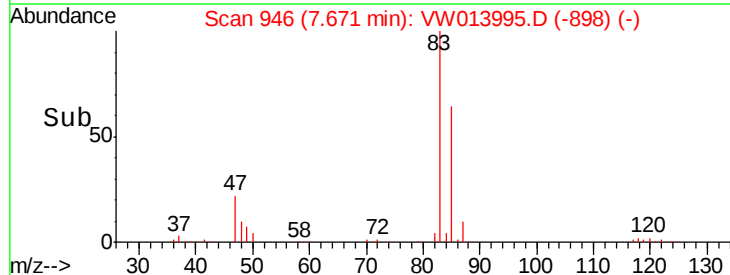
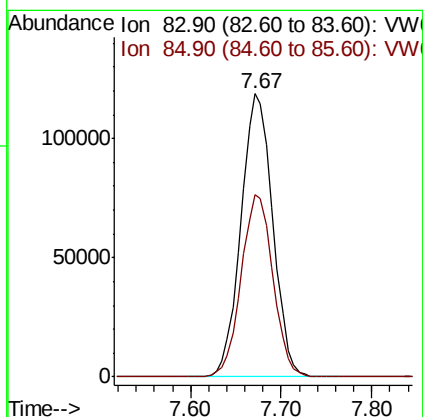
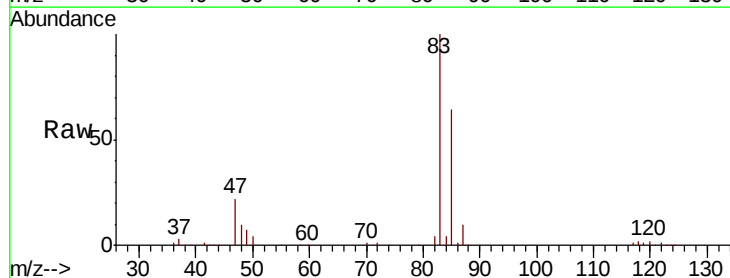
Instrument :
MSVOA_W
ClientSampleId :

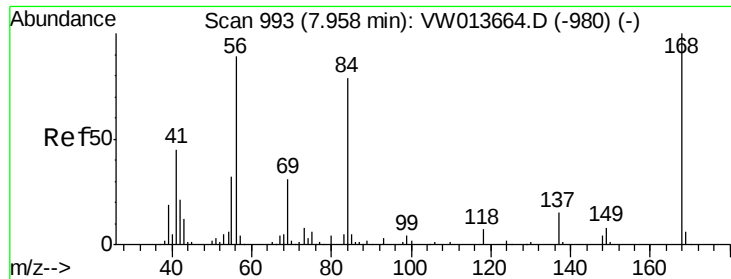
Tot Ion: 42 Resp: 118059
Ion Ratio Lower Upper
42 100
72 43.3 35.3 52.9
71 40.8 33.3 49.9



#30
Chloroform
Concen: 53.271 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion: 83 Resp: 287525
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.2

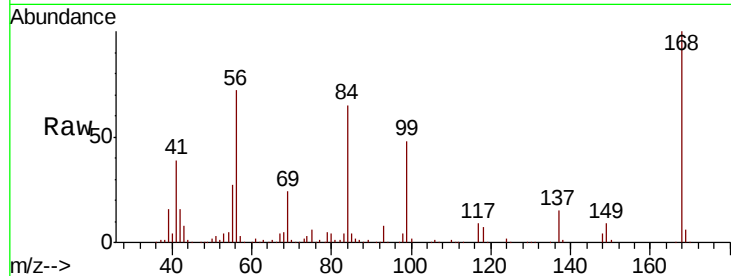




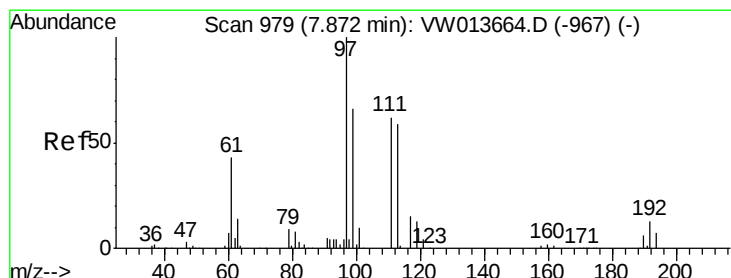
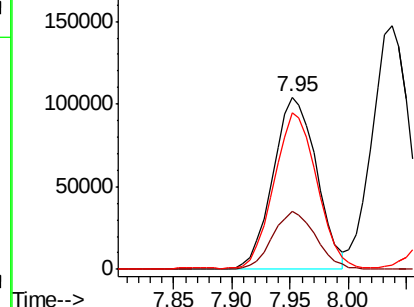
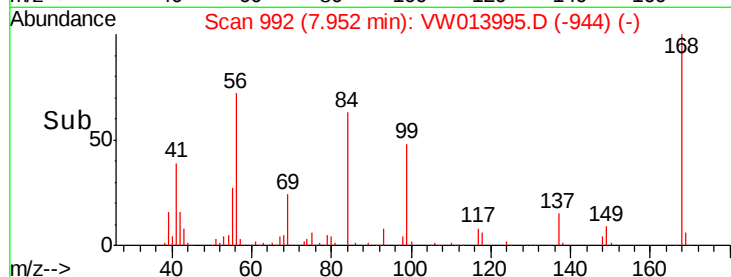
#31
Cyclohexane
Concen: 47.344 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 270521
Ion Ratio Lower Upper
56 100
69 33.7 27.5 41.3
84 89.9 70.8 106.2

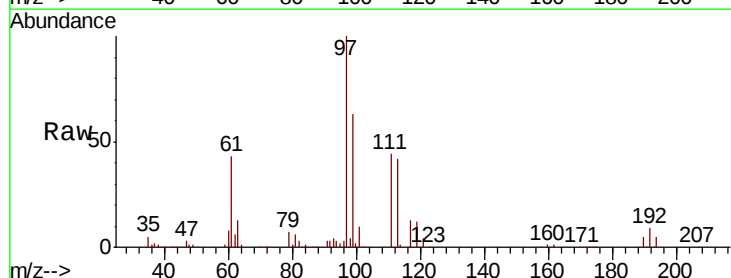


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

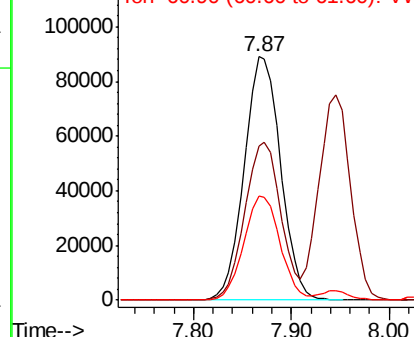
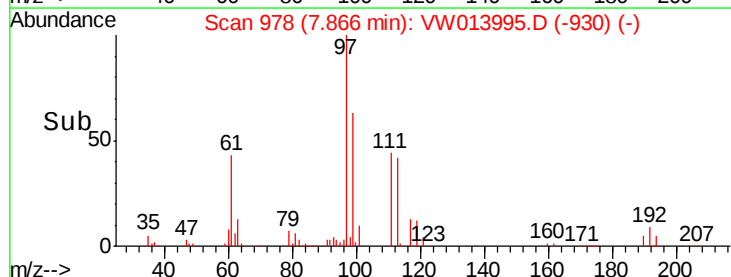


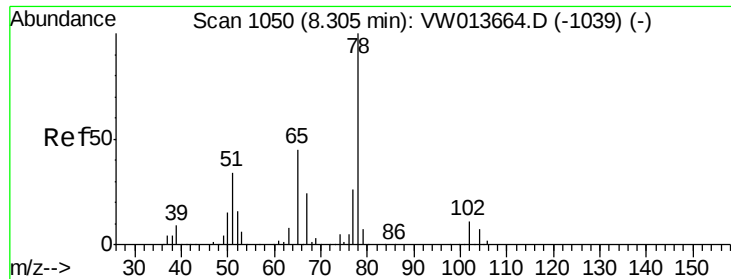
#32
1,1,1-Trichloroethane
Concen: 54.269 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion: 97 Resp: 229860
Ion Ratio Lower Upper
97 100
99 64.7 52.0 78.0
61 42.9 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

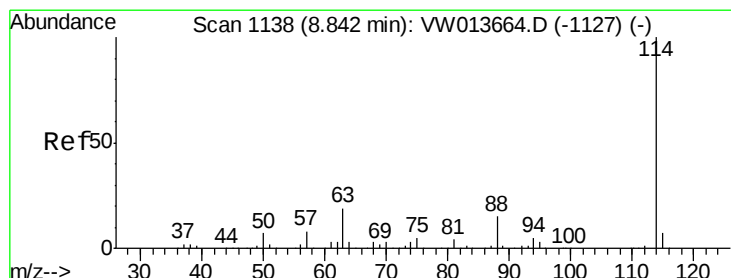
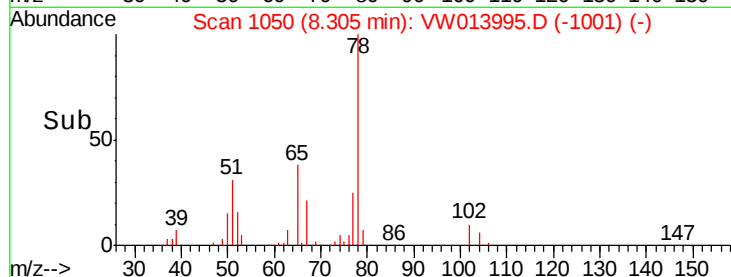
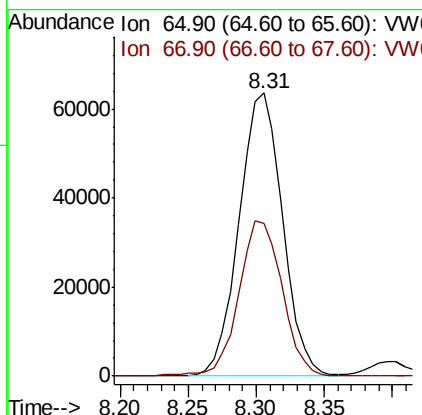
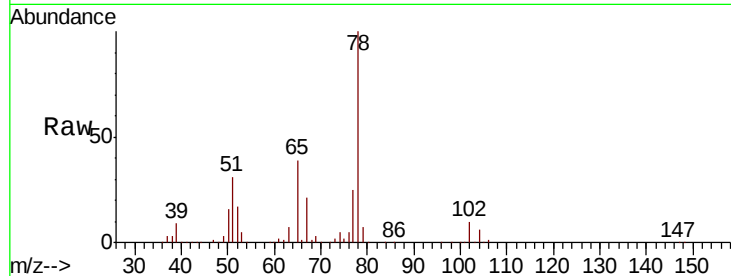




#33
 1,2-Dichloroethane-d4
 Concen: 54.981 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

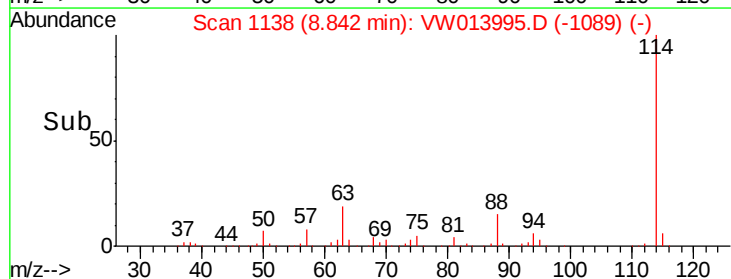
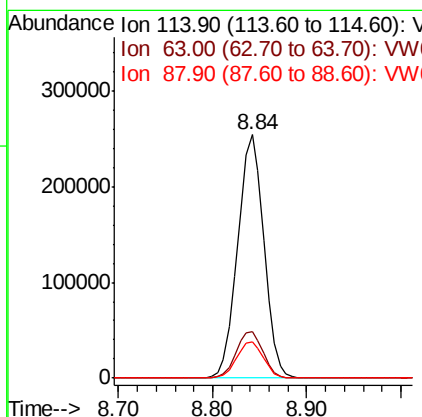
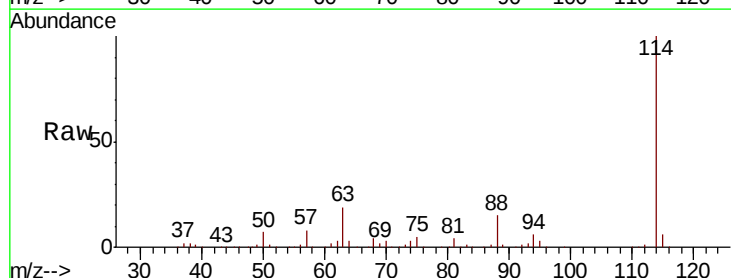
Instrument :
 MSVOA_W
 ClientSampleId :

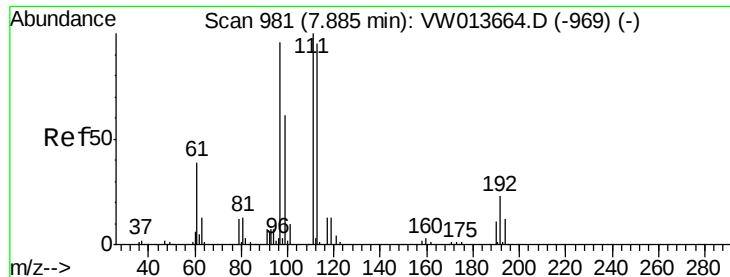
Tot Ion: 65 Resp: 141352
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Tgt Ion: 114 Resp: 494286
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.6
 88 14.7 0.0 30.2

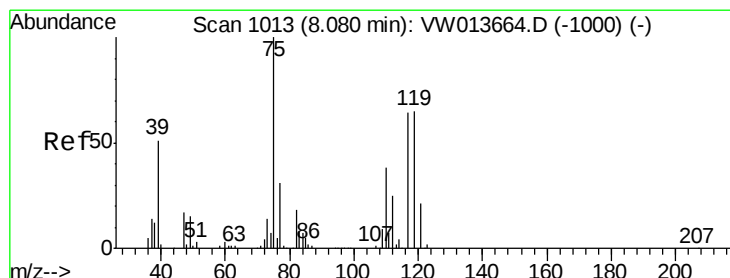
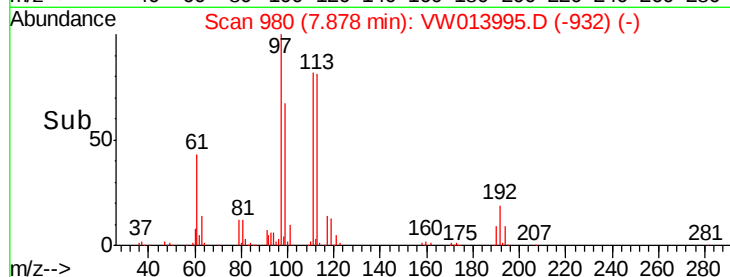
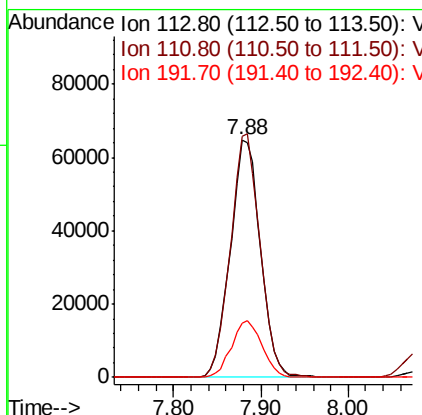
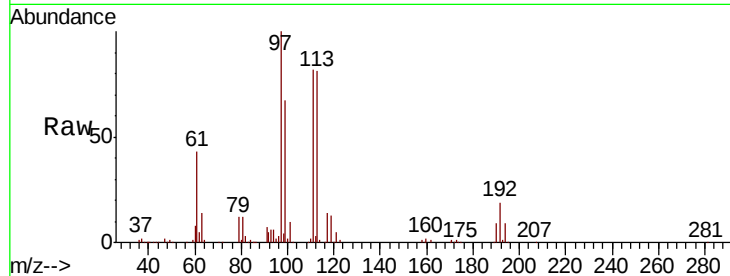




#35
 Dibromofluoromethane
 Concen: 56.415 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

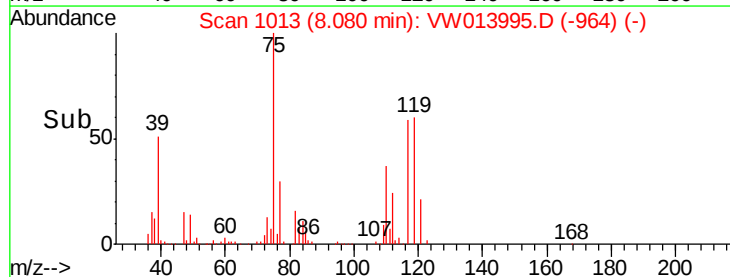
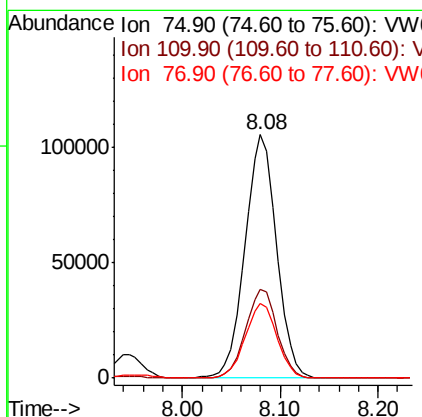
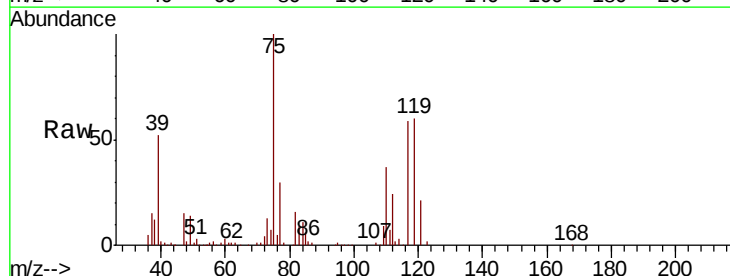
Instrument :
 MSVOA_W
 ClientSampleId :

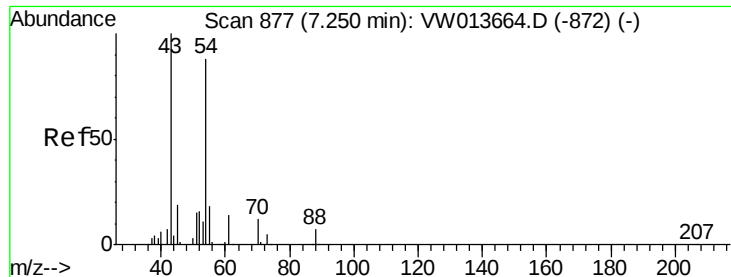
Tot Ion:113 Resp: 154945
 Ion Ratio Lower Upper
 113 100
 111 101.0 83.0 124.6
 192 24.0 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 51.194 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Tgt Ion: 75 Resp: 235661
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.7 56.1
 77 31.2 25.4 38.0

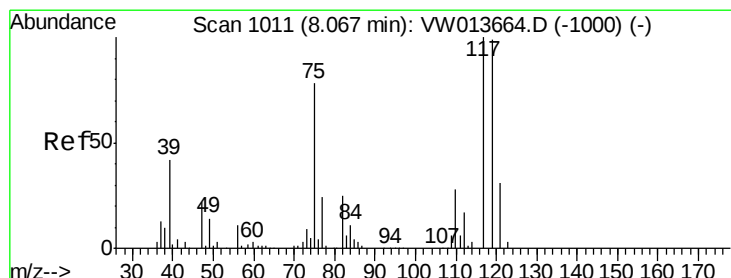
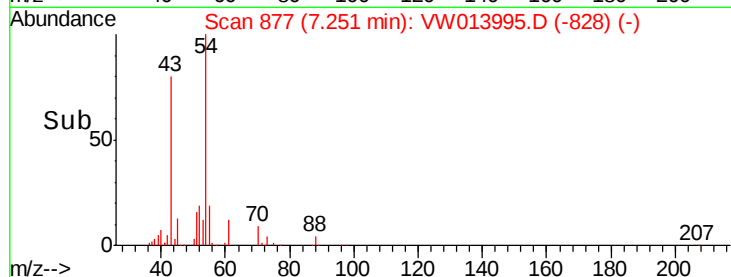
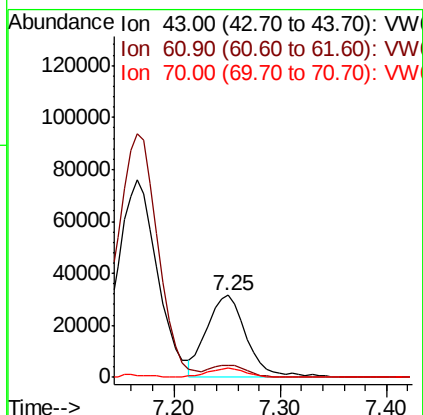
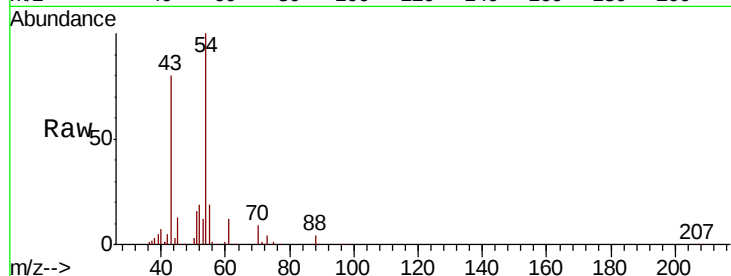




#37
Ethyl Acetate
Concen: 45.701 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

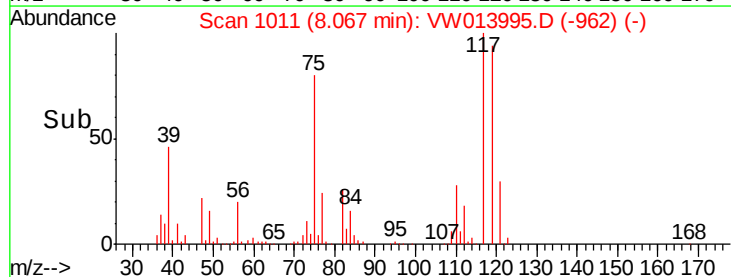
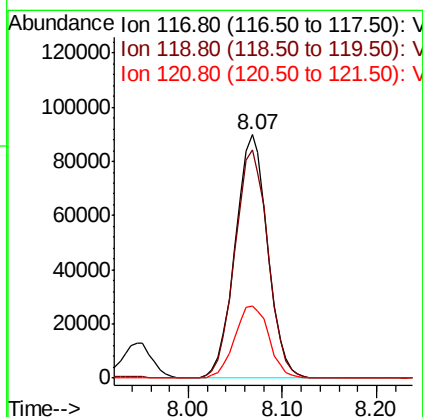
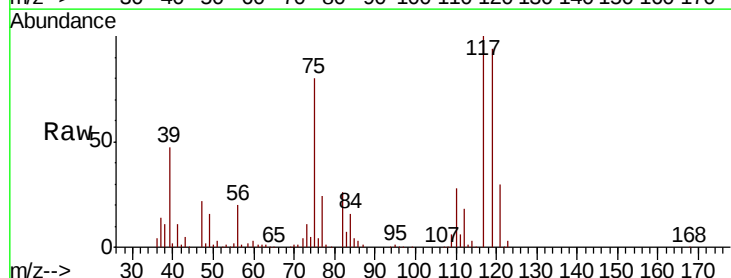
Instrument :
MSVOA_W
ClientSampled :

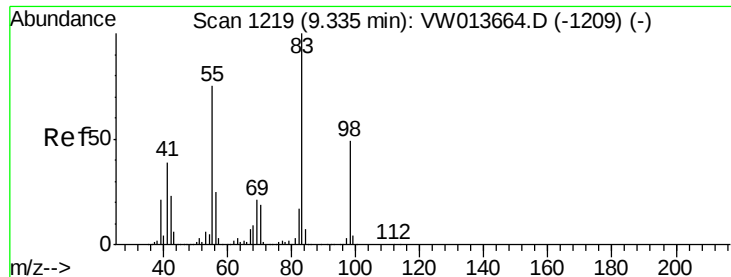
Tot Ion: 43 Resp: 80532
Ion Ratio Lower Upper
43 100
61 14.2 11.7 17.5
70 11.1 8.8 13.2



#38
Carbon Tetrachloride
Concen: 52.157 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion: 117 Resp: 216207
Ion Ratio Lower Upper
117 100
119 94.0 79.0 118.4
121 29.9 24.5 36.7

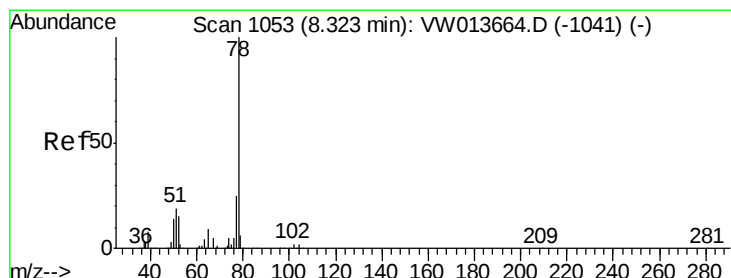
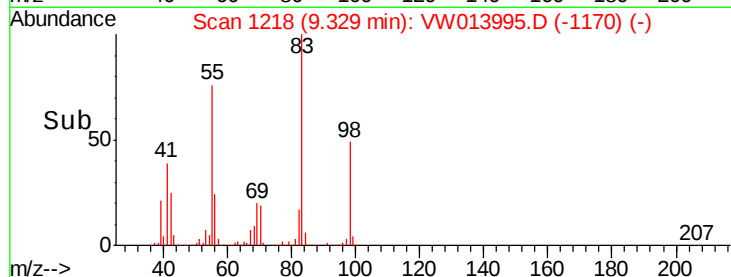
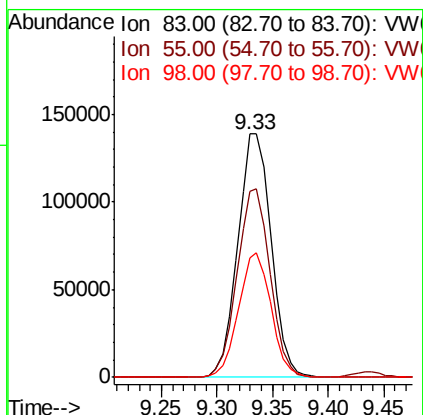
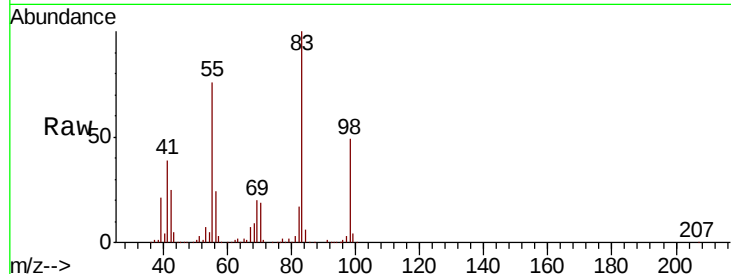




#39
Methvlcvclohexane
Concen: 48.811 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

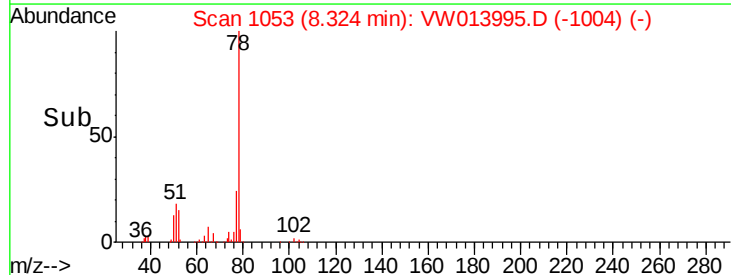
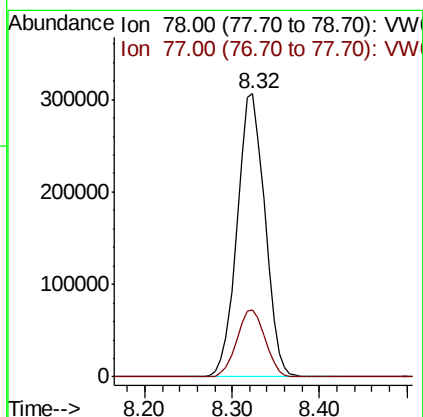
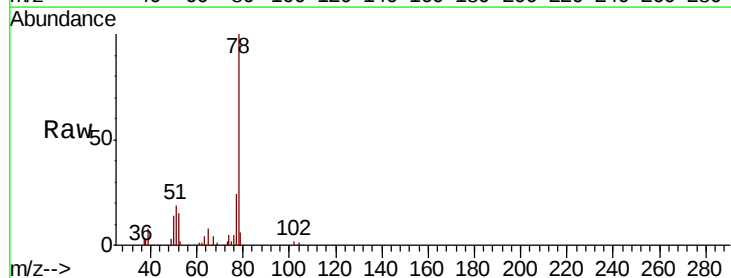
Instrument :
MSVOA_W
ClientSampled :

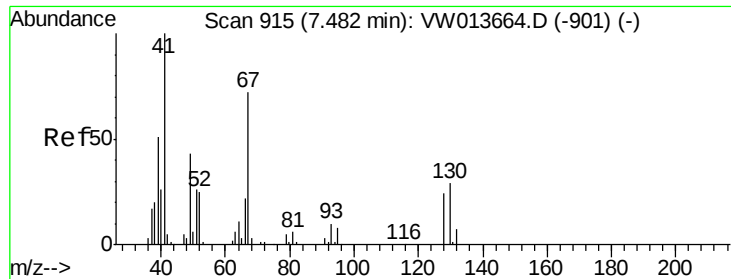
Tot Ion	83	Resp	290171
Ion Ratio	Lower	Upper	
83	100		
55	76.5	59.9	89.9
98	48.8	39.4	59.2



#40
Benzene
Concen: 51.994 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion	78	Resp	677352
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.6	29.4

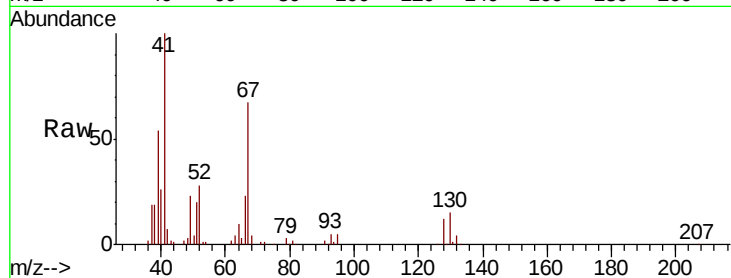




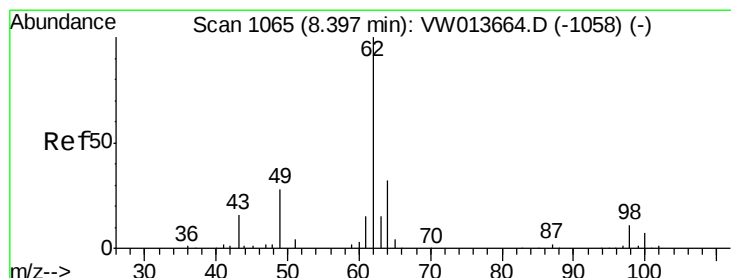
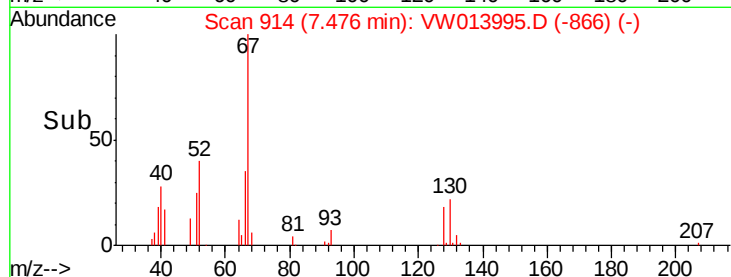
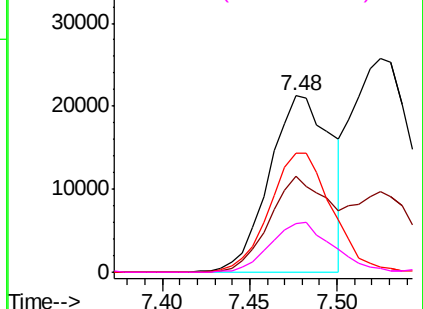
#41
Methacrylonitrile
Concen: 47.950 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	52690
Ion	Ratio	Lower	Upper
41	100		
39	52.1	44.8	67.2
67	68.1	59.3	88.9
52	28.3	23.4	35.0

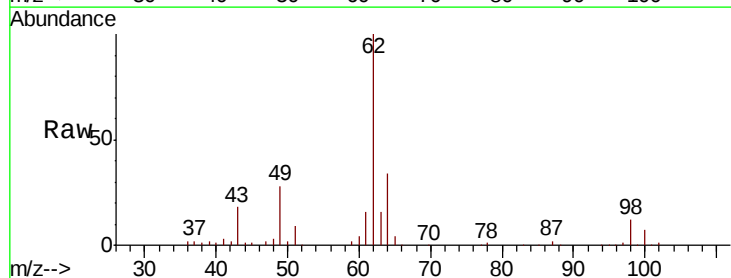


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

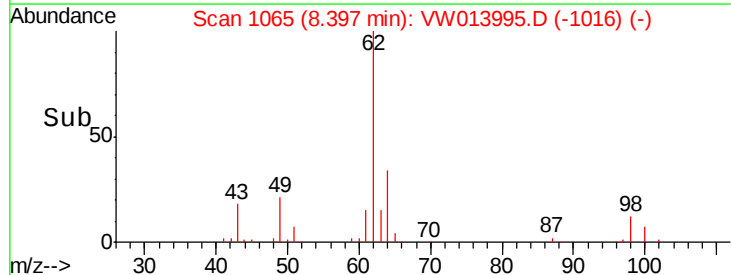
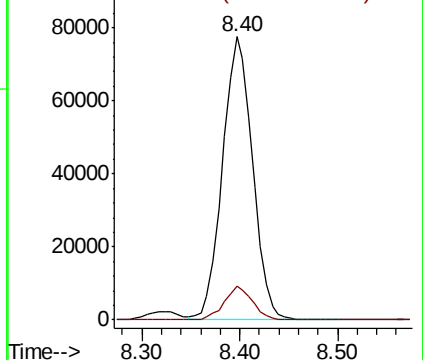


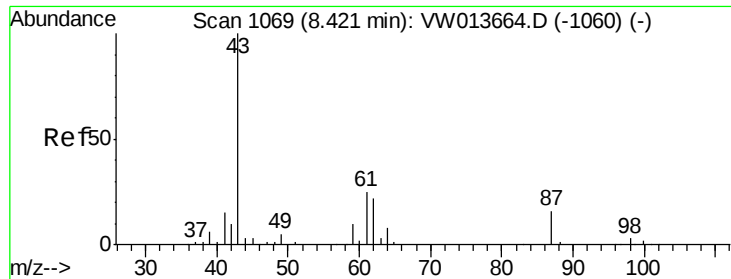
#42
1,2-Dichloroethane
Concen: 50.189 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion:	62	Resp:	164764
Ion	Ratio	Lower	Upper
62	100		
98	11.1	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: 46.836 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

ClientSampled :

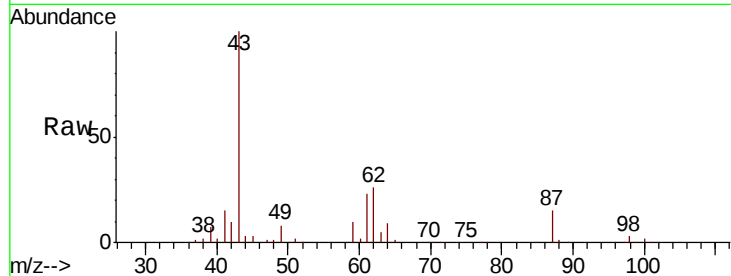
Tot Ion: 43 Resp: 157977

Ion Ratio Lower Upper

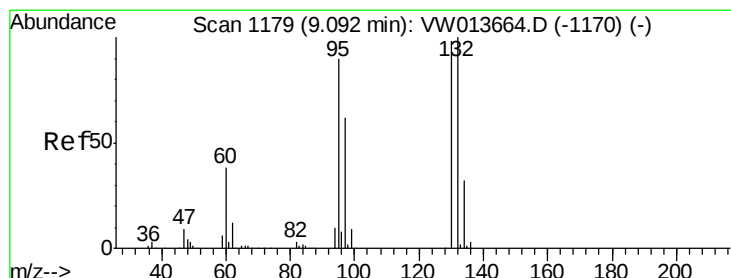
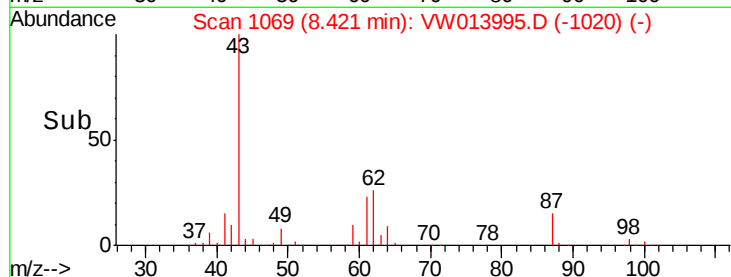
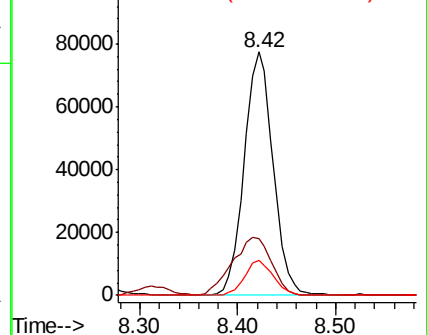
43 100

61 32.2 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: 50.280 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013995.D

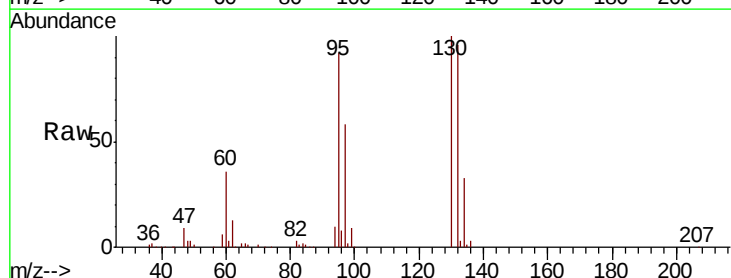
Acq: 13 Nov 2019 09:49

Tgt Ion: 130 Resp: 187629

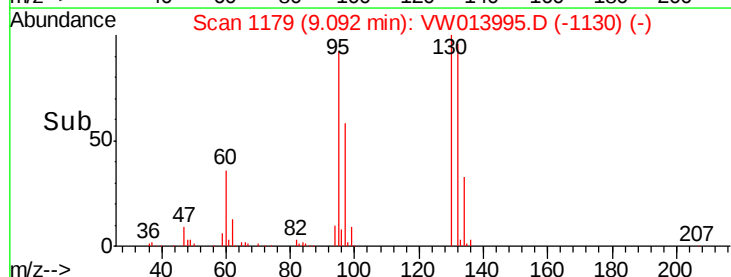
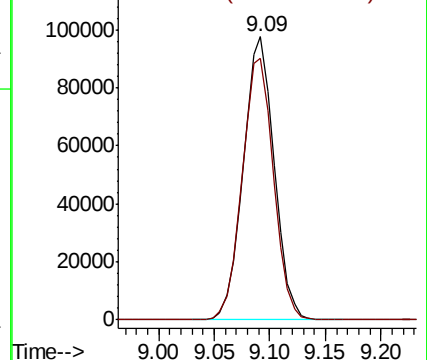
Ion Ratio Lower Upper

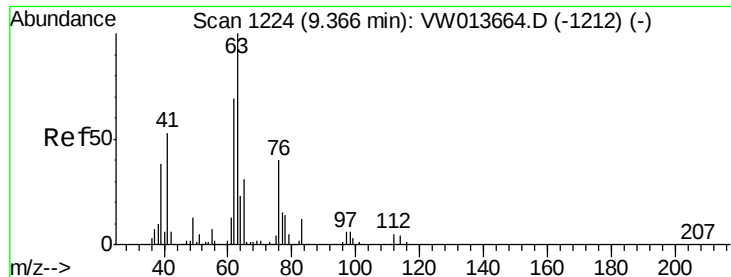
130 100

95 92.4 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

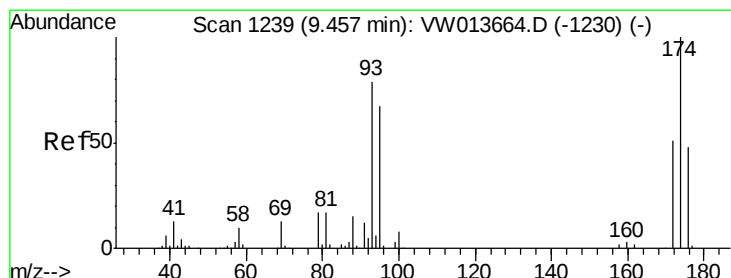
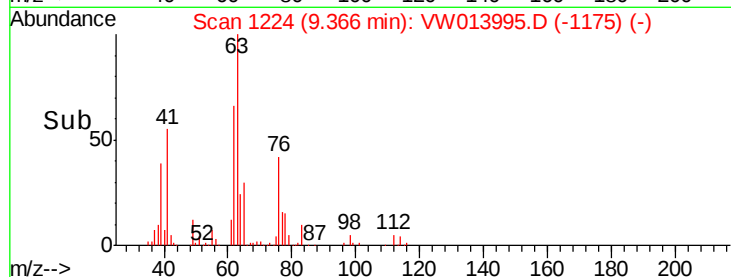
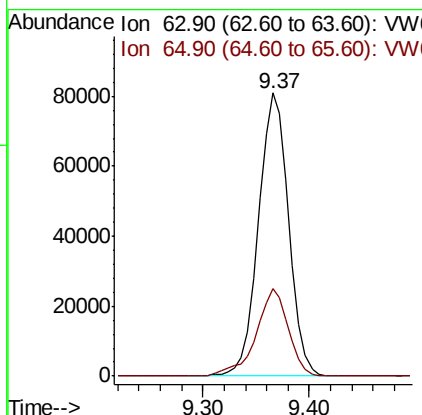
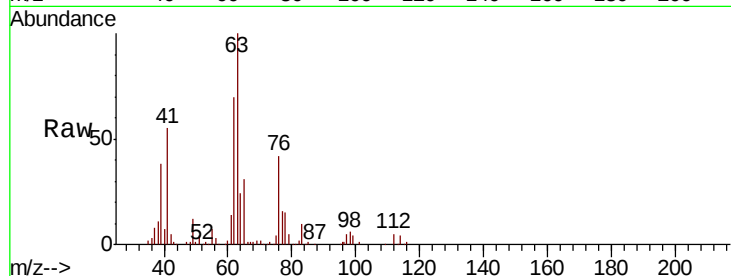




#45
 1,2-Dichloropropane
 Concen: 51.603 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

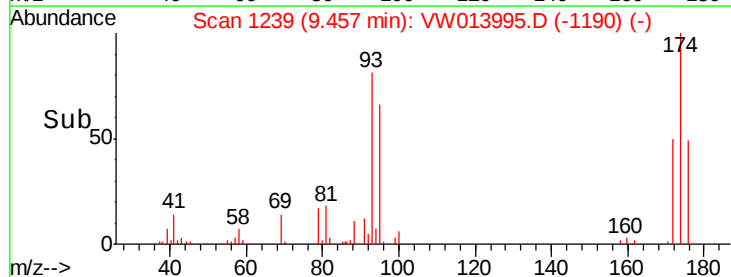
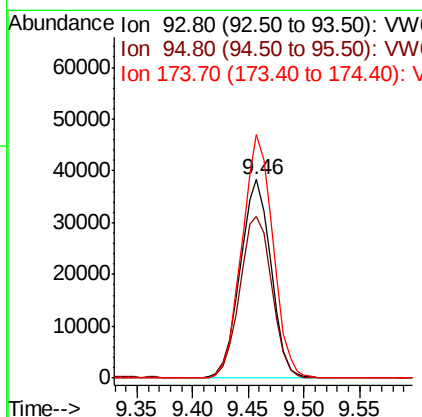
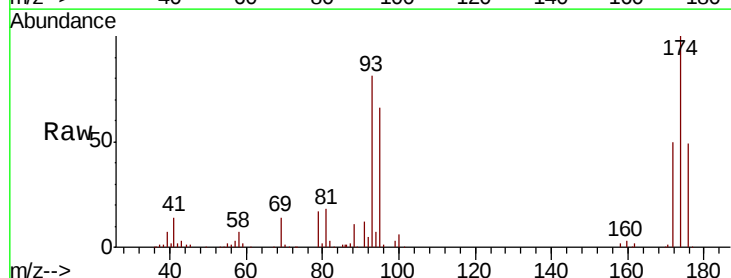
Instrument :
 MSVOA_W
 ClientSampled :

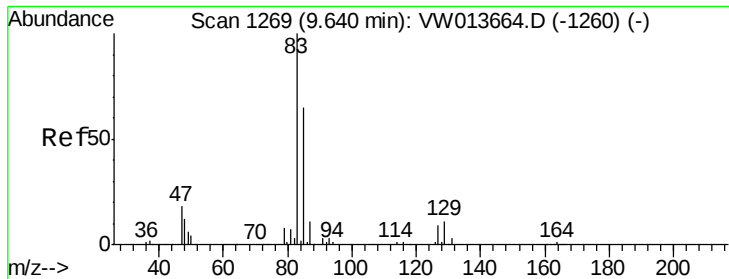
Tot Ion: 63 Resp: 160573
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.2 37.8



#46
 Dibromomethane
 Concen: 49.023 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Tgt Ion: 93 Resp: 74039
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.5 99.7
 174 122.8 99.6 149.4





#47

Bromodichloromethane

Concen: 52.385 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

ClientSampled :

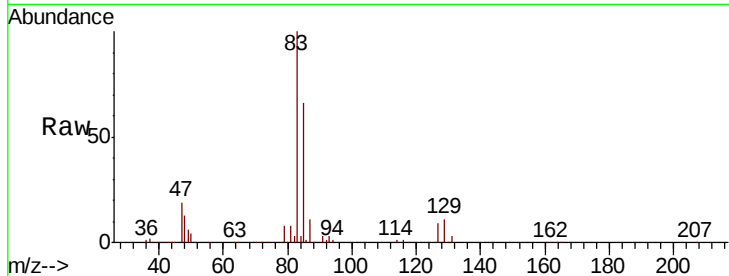
Tot Ion: 83 Resp: 204709

Ion Ratio Lower Upper

83 100

85 65.9 51.8 77.6

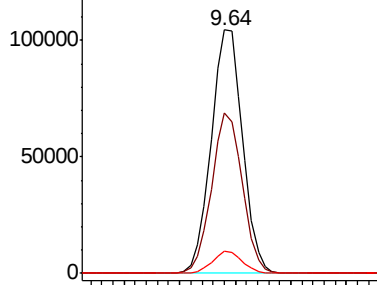
127 9.1 7.3 10.9



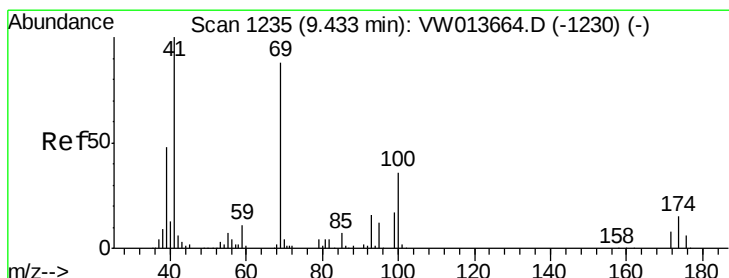
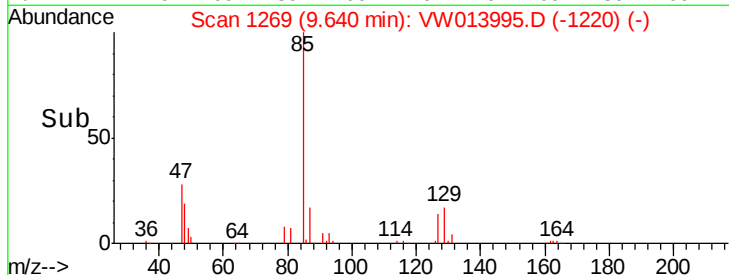
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



Time-->



#48

Methyl methacrylate

Concen: 47.697 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

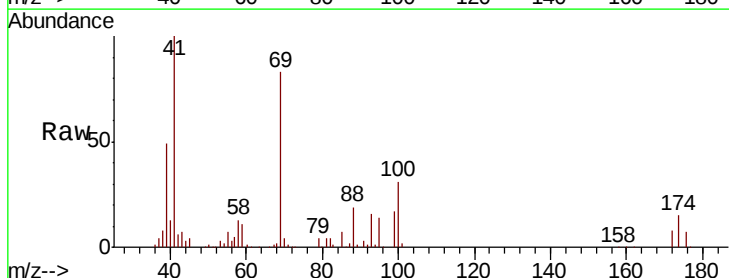
Tgt Ion: 41 Resp: 79782

Ion Ratio Lower Upper

41 100

69 84.3 67.6 101.4

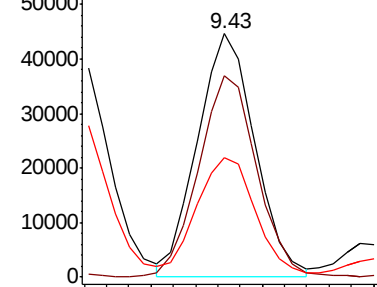
39 47.6 38.6 58.0



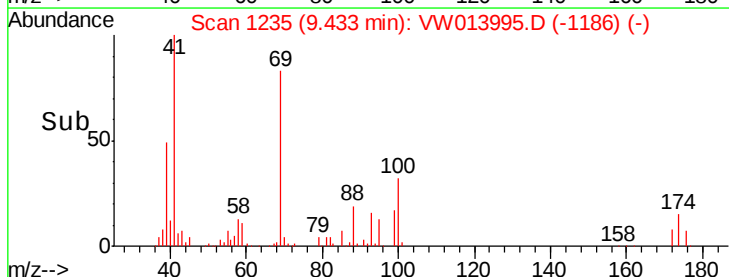
Abundance Ion 41.00 (40.70 to 41.70): VW

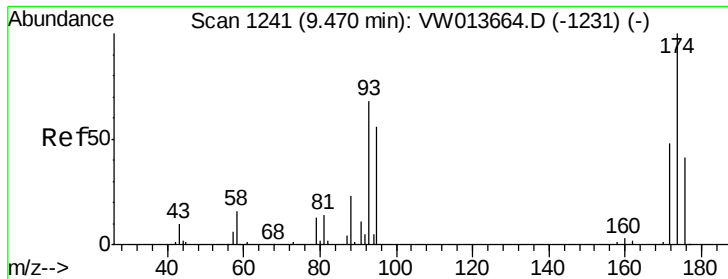
Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->

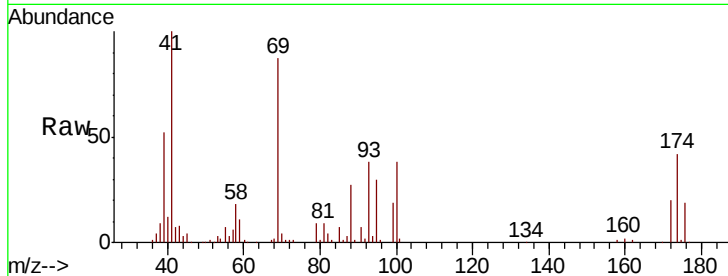




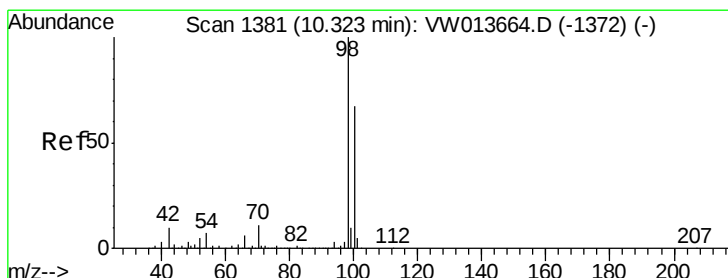
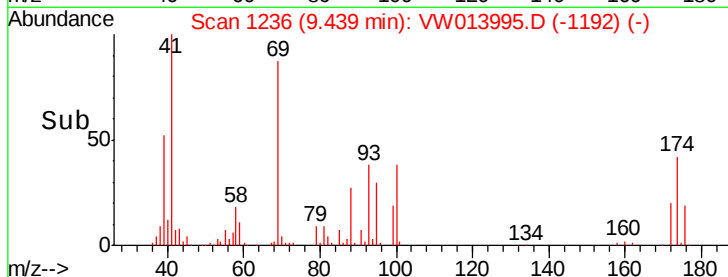
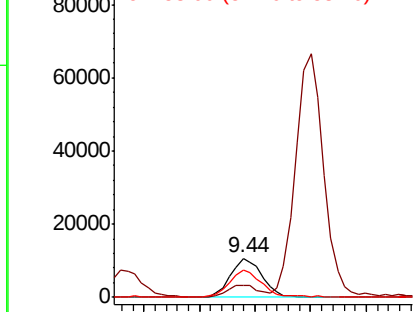
#49
1,4-Dioxane
Concen: 949.660 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.03 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 21194
Ion Ratio Lower Upper
88 100
43 30.0 0.0 0.0#
58 66.2 58.9 88.3

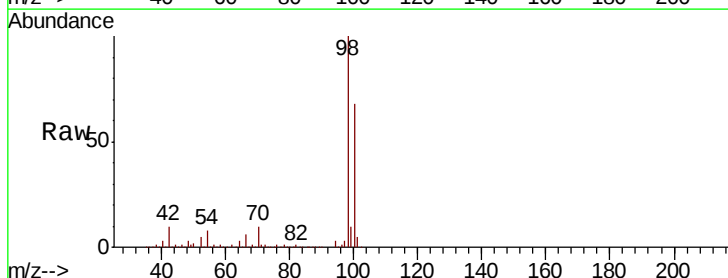


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

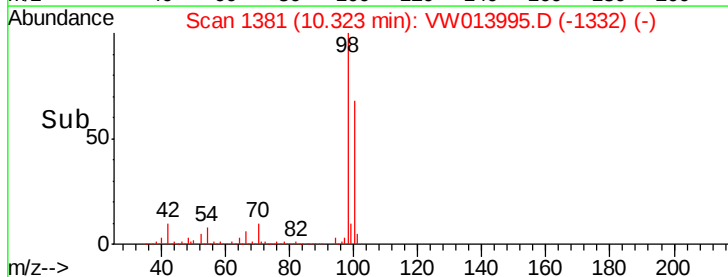
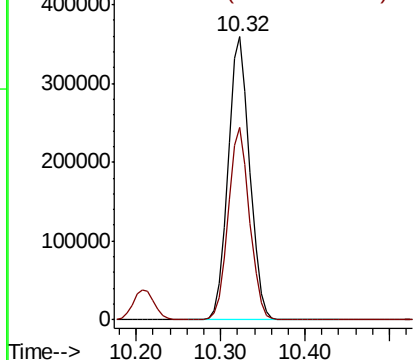


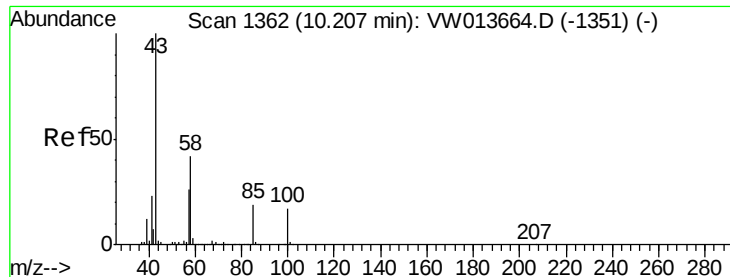
#50
Toluene-d8
Concen: 56.088 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion: 98 Resp: 627707
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.0



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





#51

4-Methyl-2-Pentanone

Concen: 233.840 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

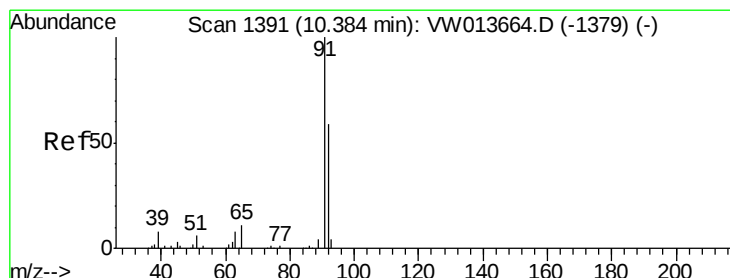
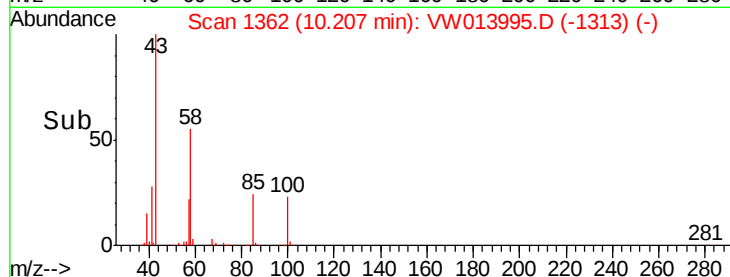
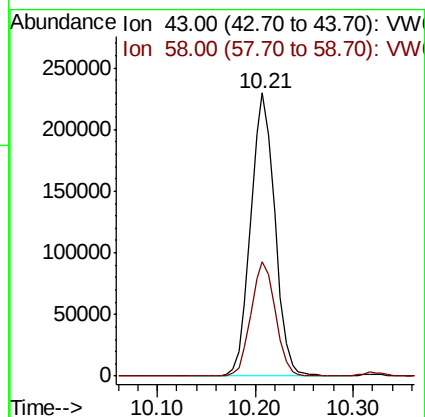
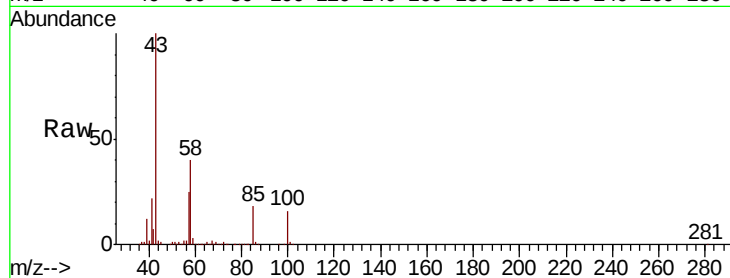
ClientSampled :

Tot Ion: 43 Resp: 391939

Ion Ratio Lower Upper

43 100

58 40.9 32.6 49.0



#52

Toluene

Concen: 51.498 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013995.D

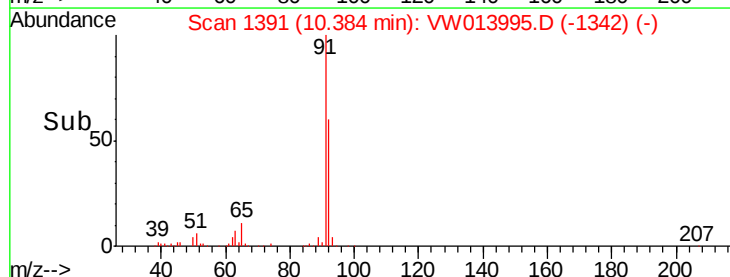
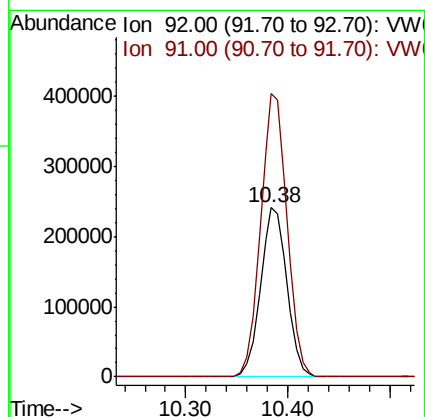
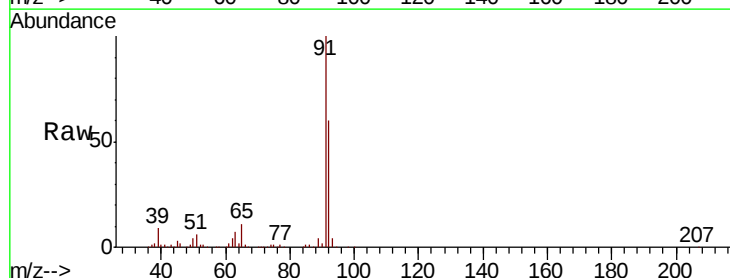
Acq: 13 Nov 2019 09:49

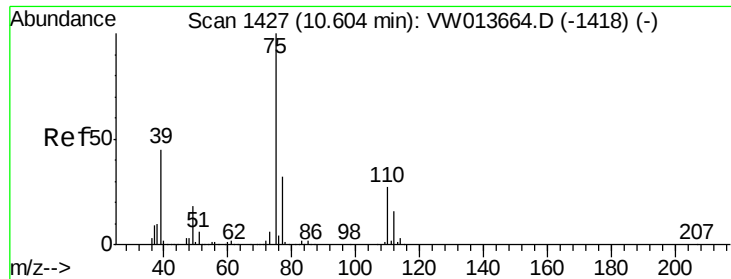
Tgt Ion: 92 Resp: 432749

Ion Ratio Lower Upper

92 100

91 168.0 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 51.039 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

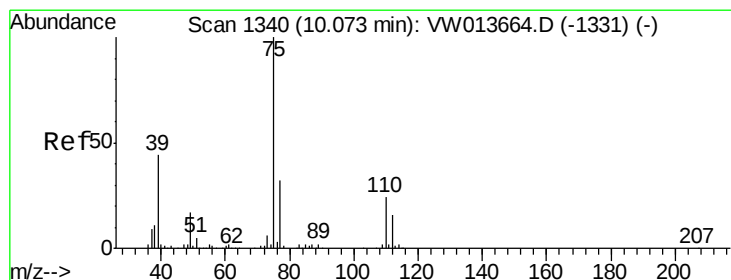
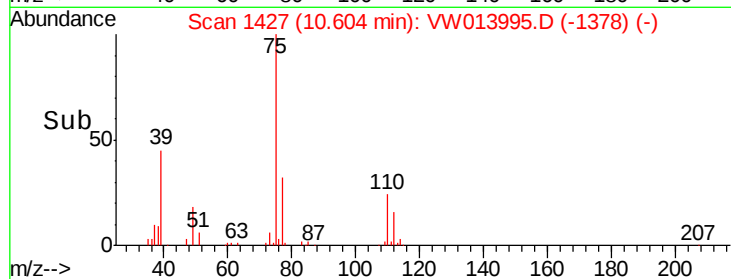
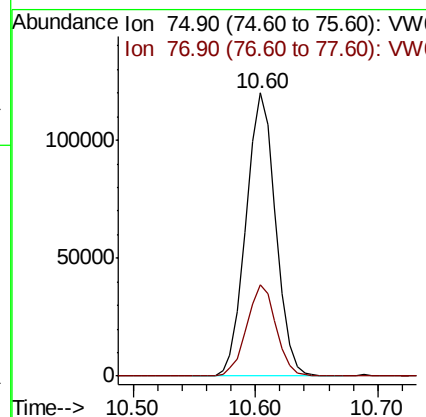
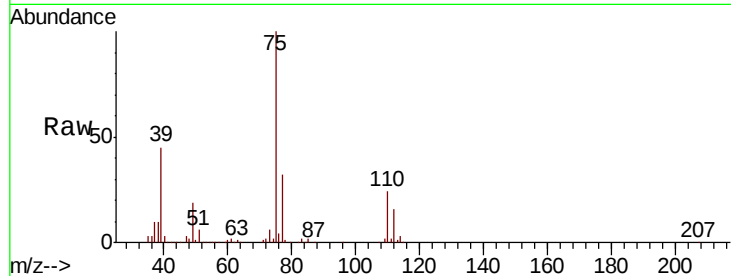
ClientSampled :

Tot Ion: 75 Resp: 201909

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 51.819 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

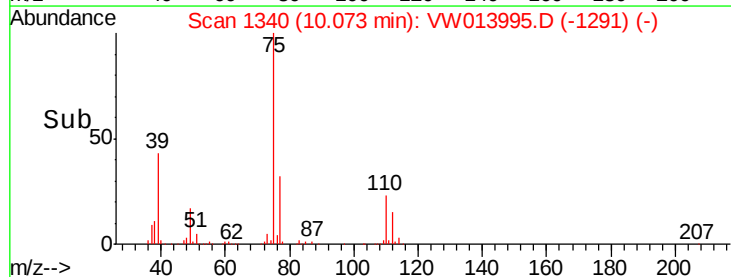
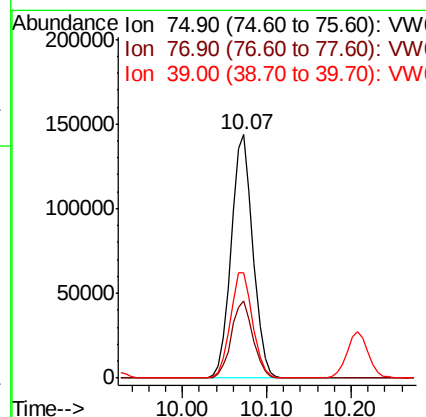
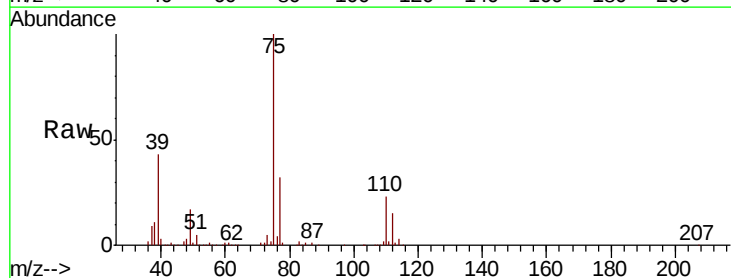
Tgt Ion: 75 Resp: 252914

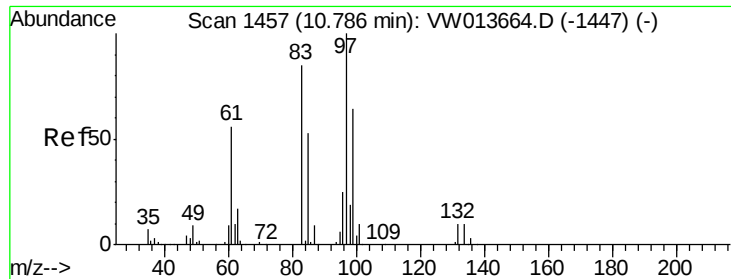
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

39 43.2 35.3 52.9



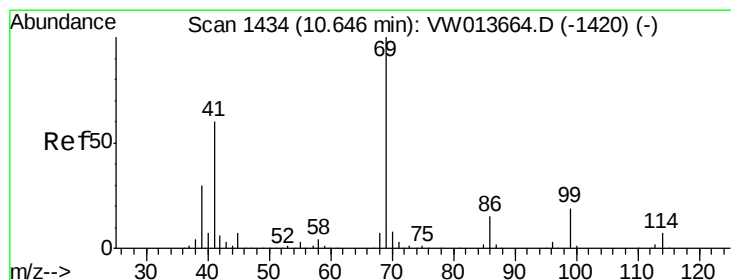
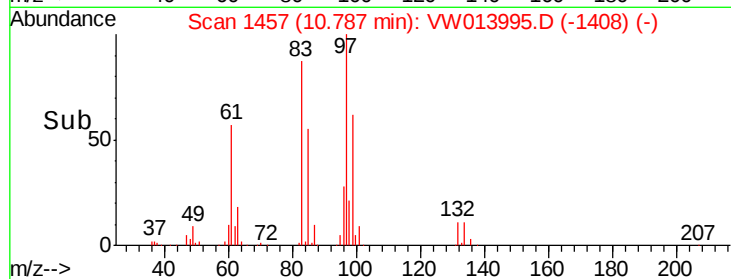
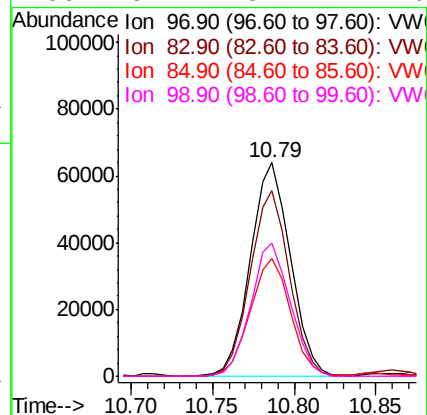
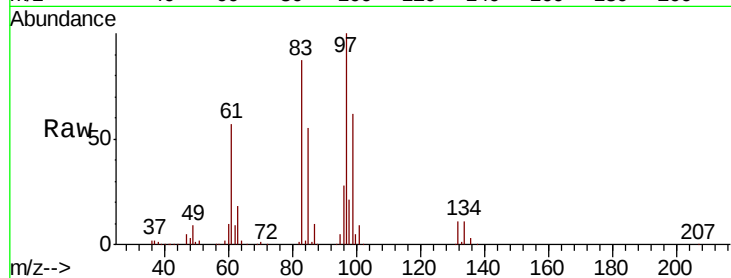


#55
 1,1,2-Trichloroethane
 Concen: 48.566 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 109313

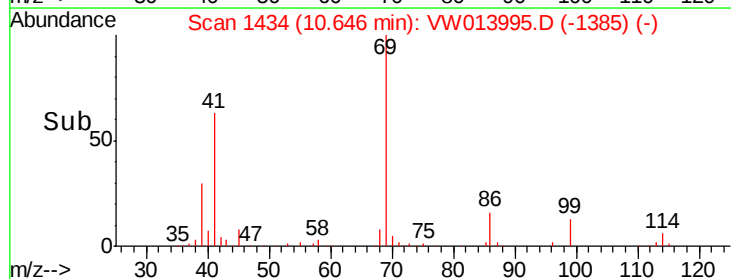
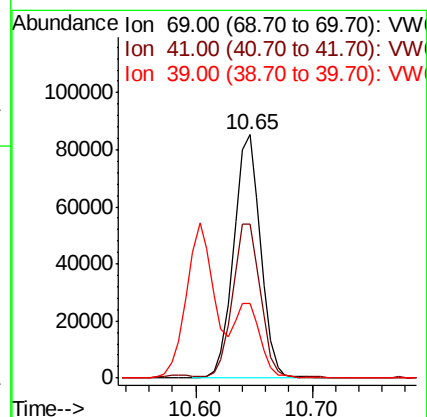
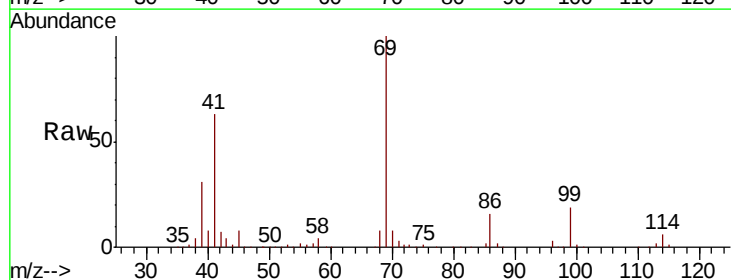
Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.8	101.8
85	55.4	42.1	63.1
99	62.4	51.4	77.0

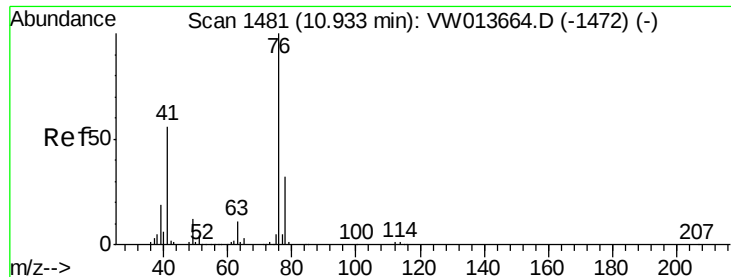


#56
 Ethyl methacrylate
 Concen: 48.668 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Tgt Ion: 69 Resp: 137052

Ion	Ratio	Lower	Upper
69	100		
41	65.5	51.6	77.4
39	28.4	22.4	33.6

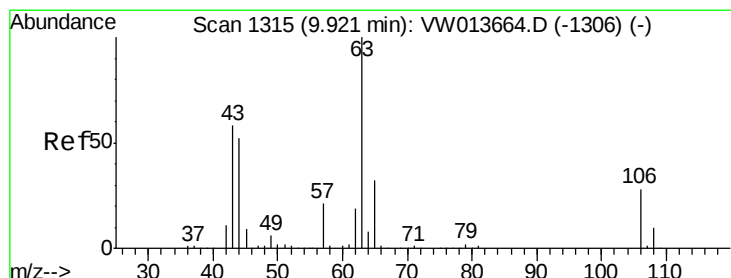
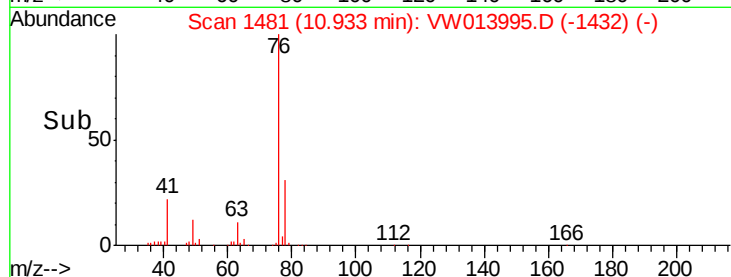
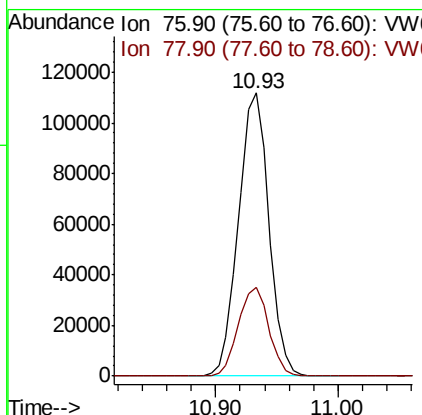
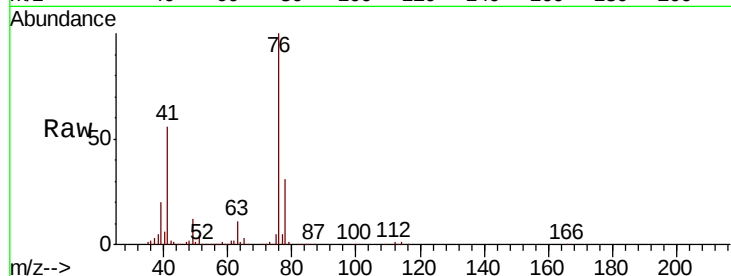




#57
 1,3-Dichloropropane
 Concen: 49.908 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

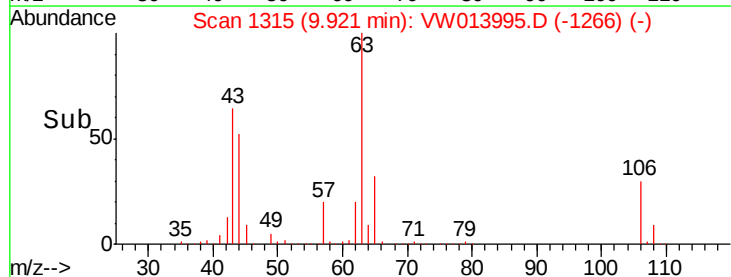
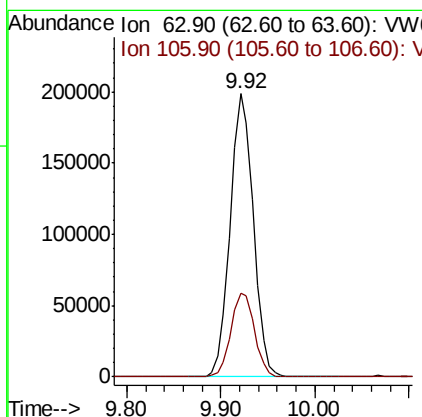
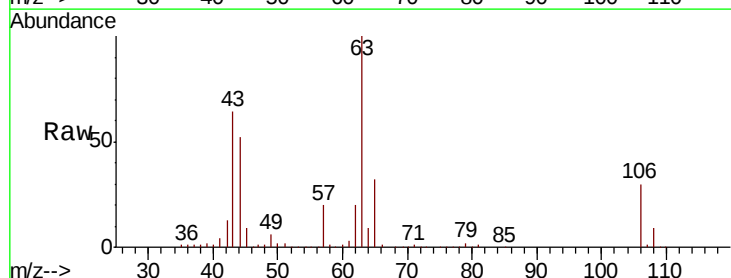
Instrument :
 MSVOA_W
 ClientSampled :

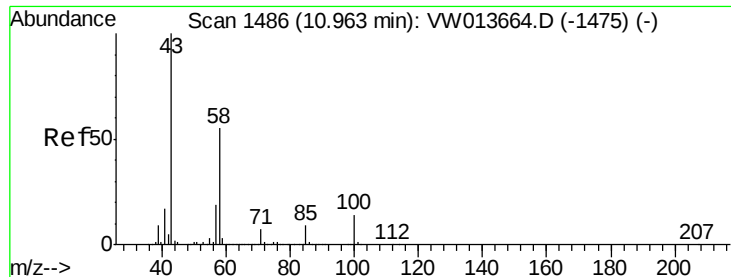
Tot Ion: 76 Resp: 192771
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.860 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Tgt Ion: 63 Resp: 338090
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.8 35.8

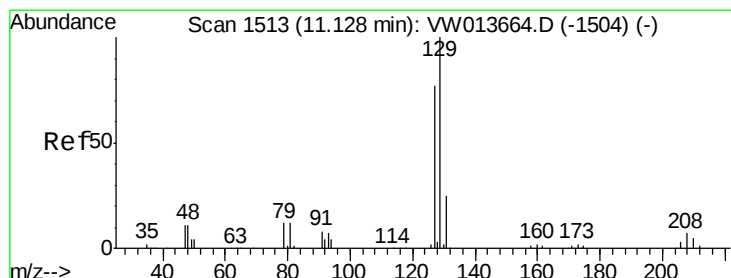
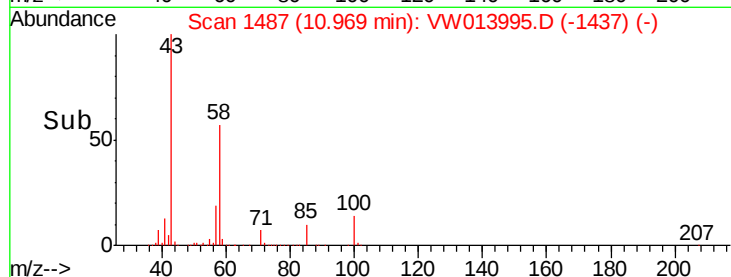
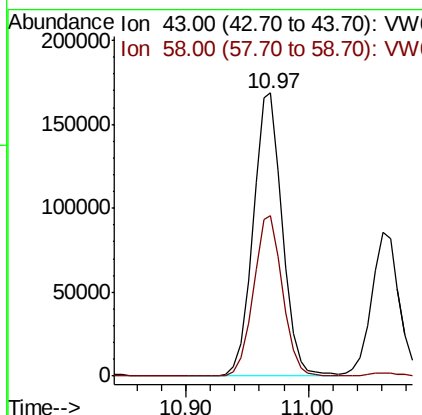
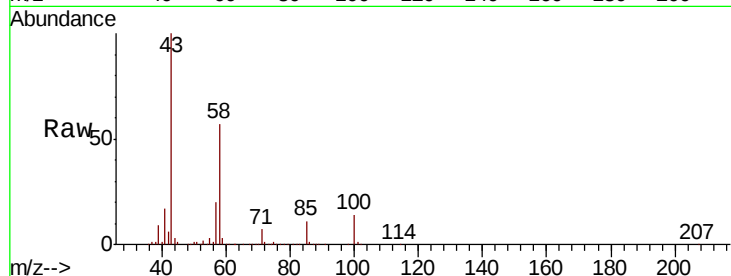




#59
2-Hexanone
Concen: 242.085 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

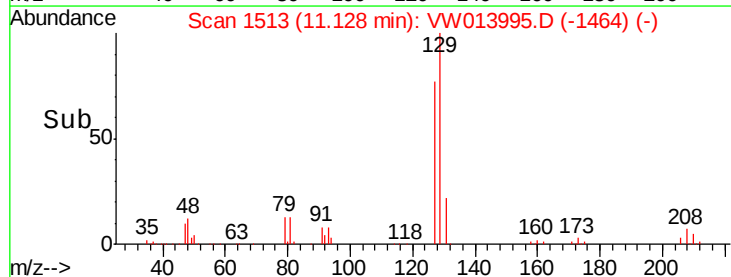
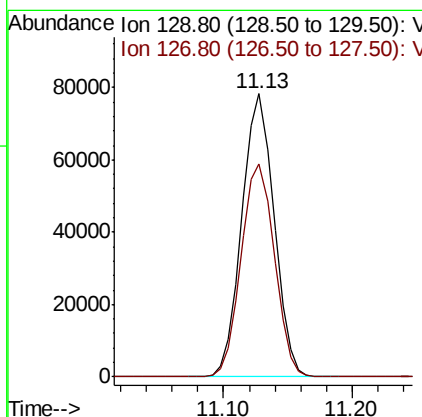
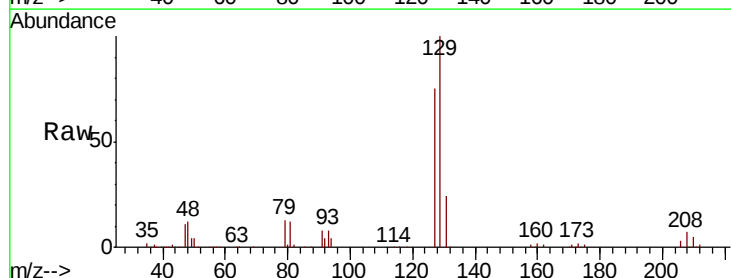
Instrument :
MSVOA_W
ClientSampleId :

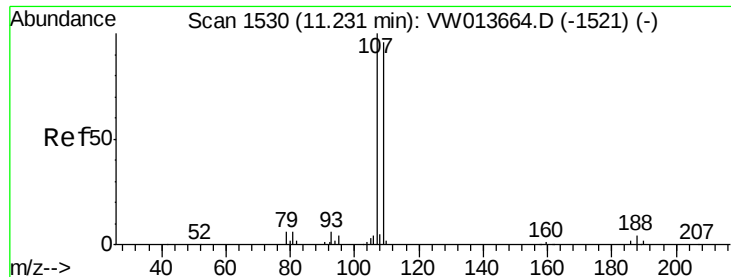
Tot Ion: 43 Resp: 279728
Ion Ratio Lower Upper
43 100
58 56.6 27.9 83.7



#60
Dibromochloromethane
Concen: 50.687 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion: 129 Resp: 135458
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7

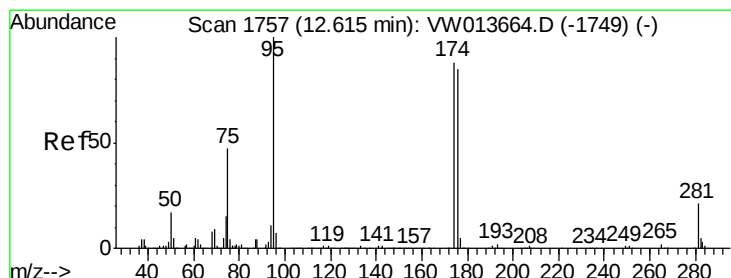
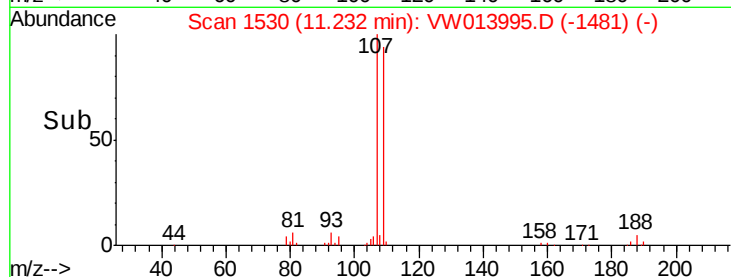
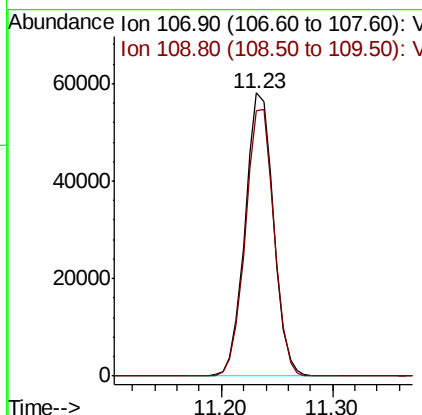
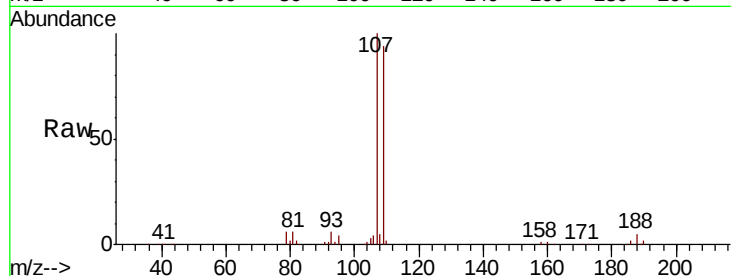




#61
 1,2-Dibromoethane
 Concen: 48.424 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

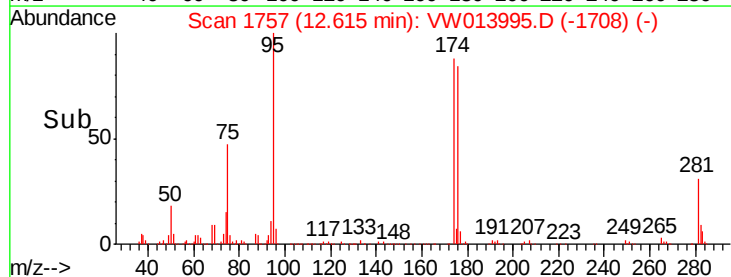
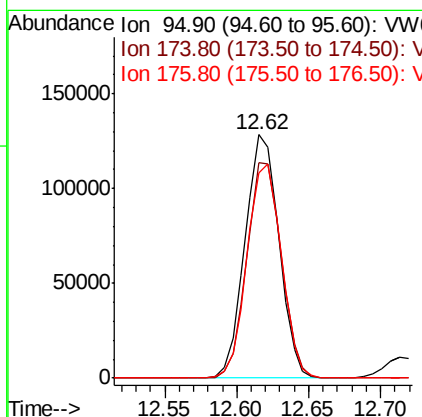
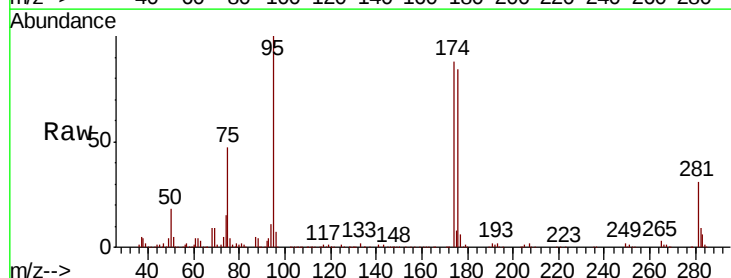
Instrument :
 MSVOA_W
 ClientSampleId :

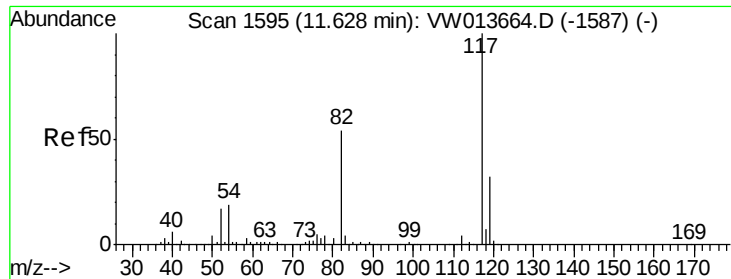
Tot Ion: 107 Resp: 103115
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 55.320 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Tgt Ion: 95 Resp: 209633
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 183.6
 176 88.7 0.0 178.0

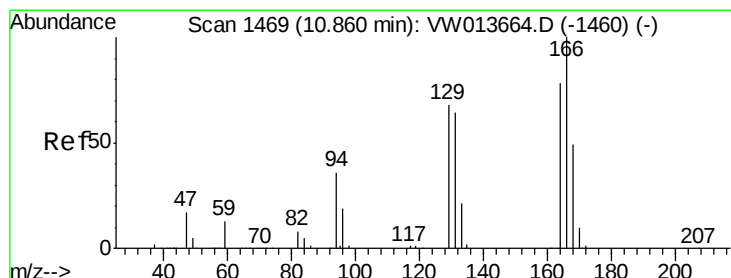
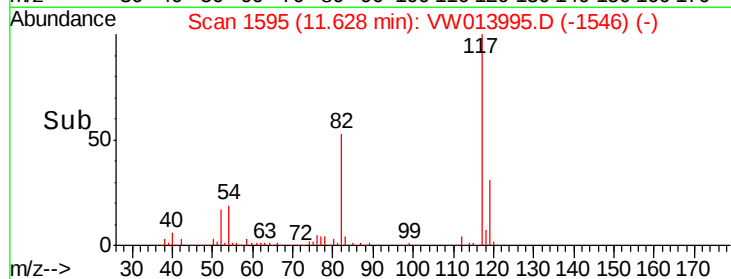
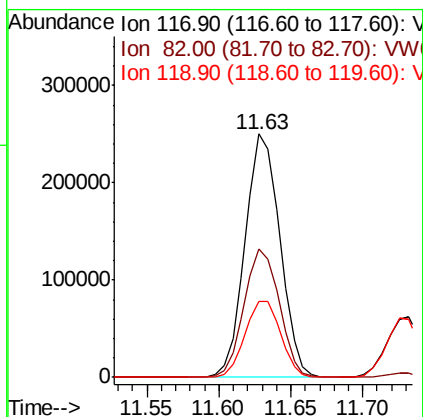
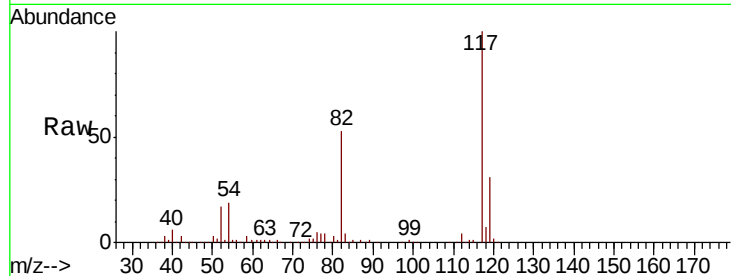




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

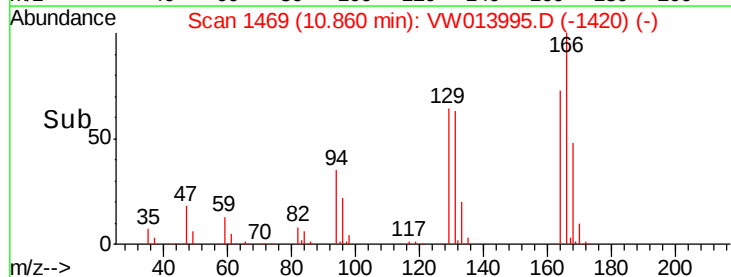
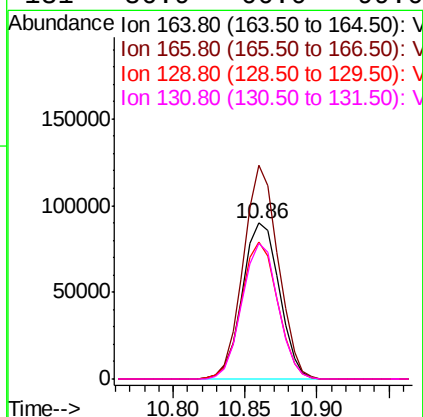
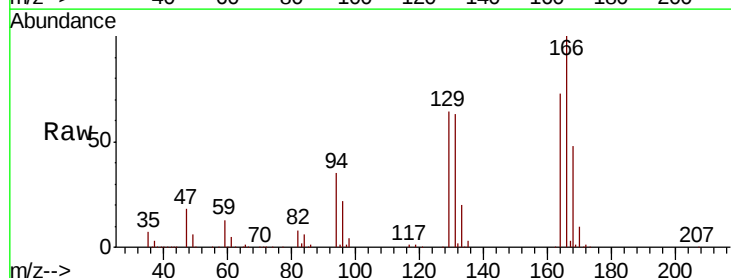
Instrument :
MSVOA_W
ClientSampleId :

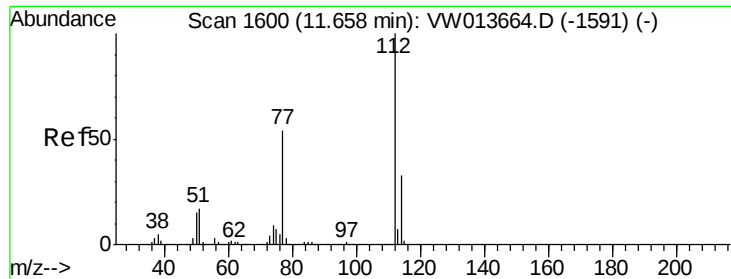
Tot Ion:117 Resp: 419078
Ion Ratio Lower Upper
117 100
82 52.6 43.6 65.4
119 30.9 25.4 38.2



#64
Tetrachloroethene
Concen: 49.801 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion:164 Resp: 159459
Ion Ratio Lower Upper
164 100
166 137.2 103.2 154.8
129 87.8 70.6 105.8
131 86.9 66.0 99.0

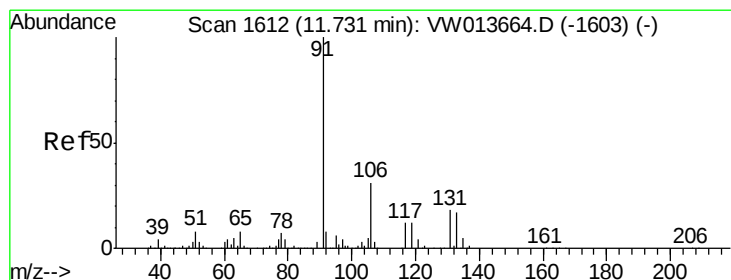
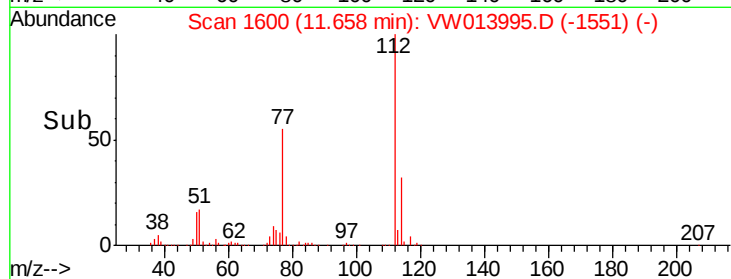
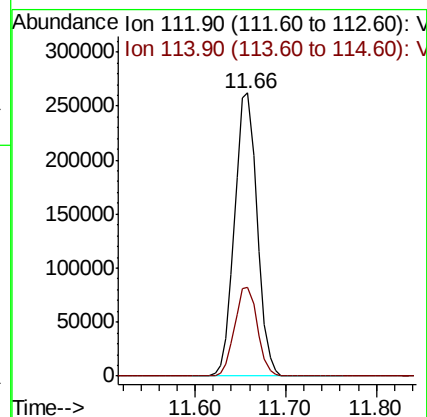
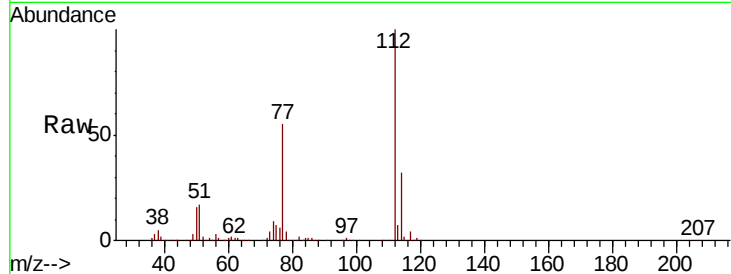




#65
Chlorobenzene
Concen: 52.501 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

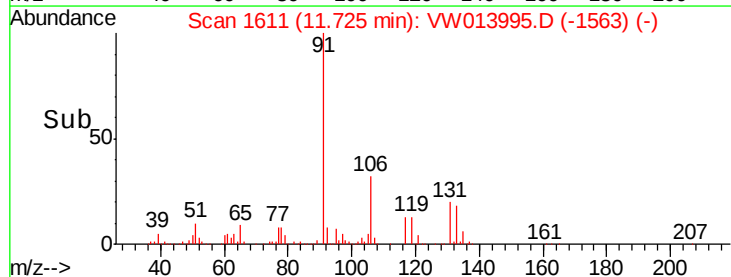
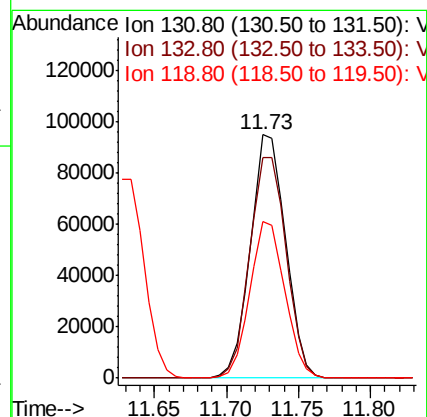
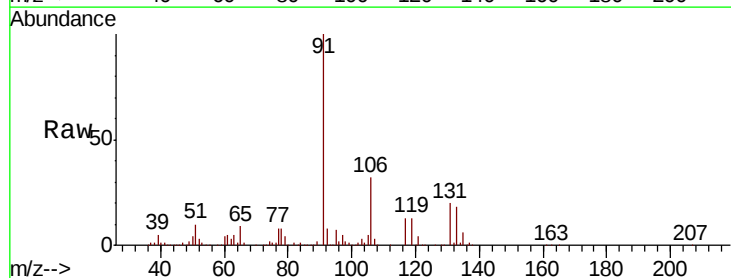
Instrument :
MSVOA_W
ClientSampled :

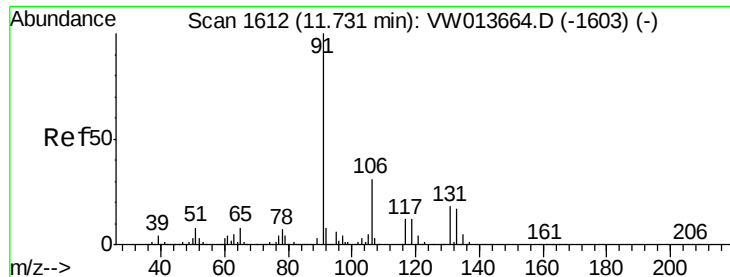
Tot Ion:112 Resp: 452126
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.399 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion:131 Resp: 160491
Ion Ratio Lower Upper
131 100
133 94.2 47.4 142.3
119 64.1 33.1 99.2





#67

Ethyl Benzene

Concen: 52.703 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

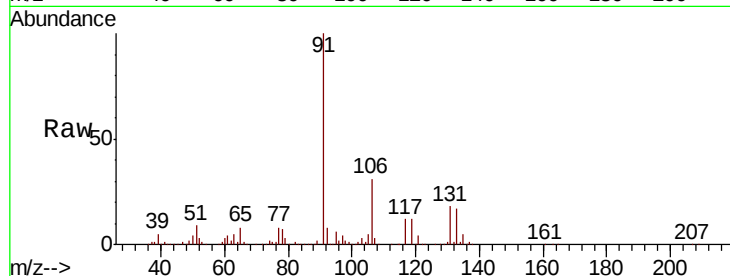
ClientSampleId :

Tot Ion: 91 Resp: 818397

Ion Ratio Lower Upper

91 100

106 30.7 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

500000

400000

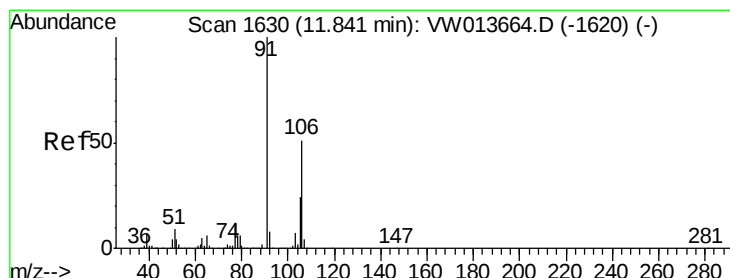
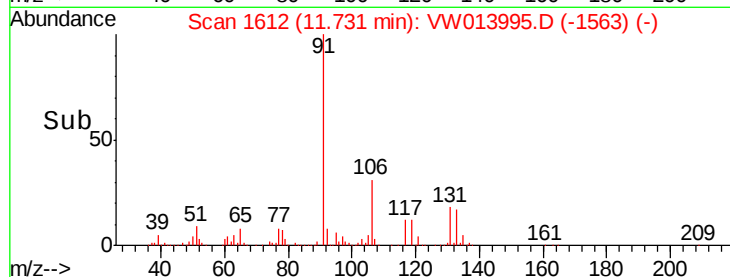
300000

200000

100000

0

Time-->



#68

m/p-Xylenes

Concen: 104.865 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW013995.D

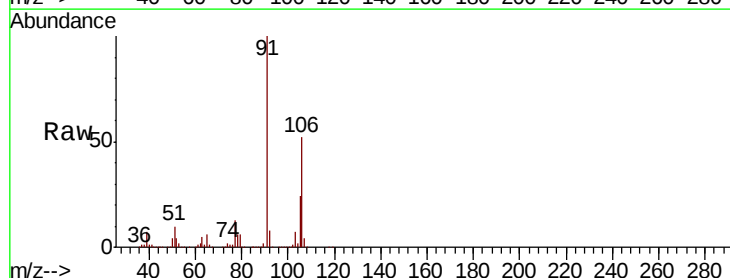
Acq: 13 Nov 2019 09:49

Tgt Ion: 106 Resp: 629133

Ion Ratio Lower Upper

106 100

91 196.3 159.2 238.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

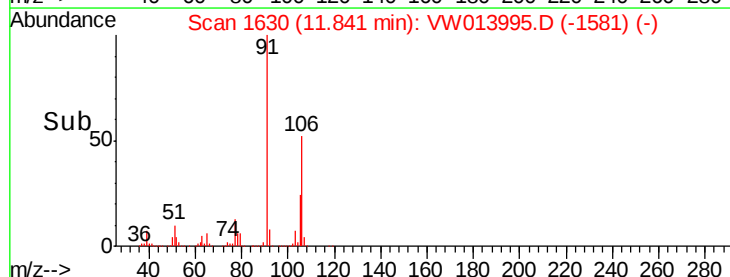
600000

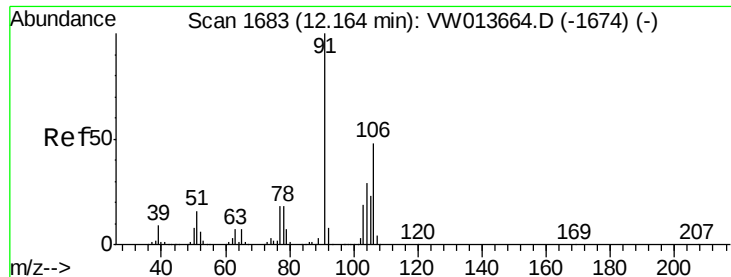
400000

200000

0

Time-->

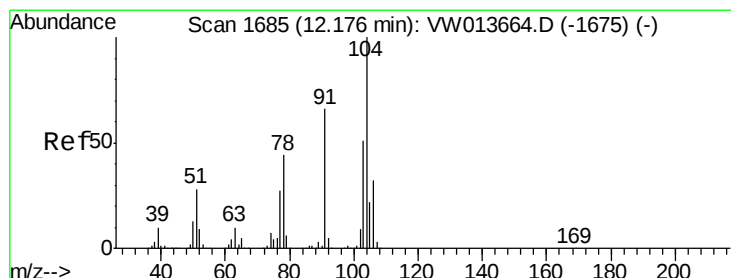
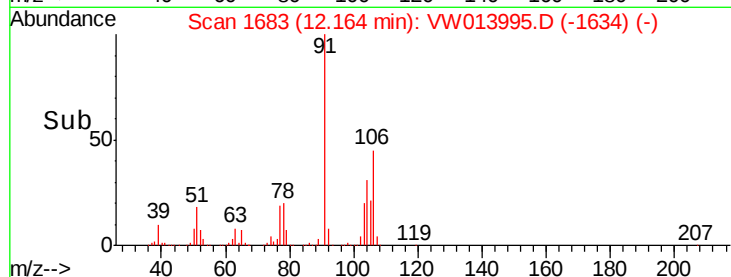
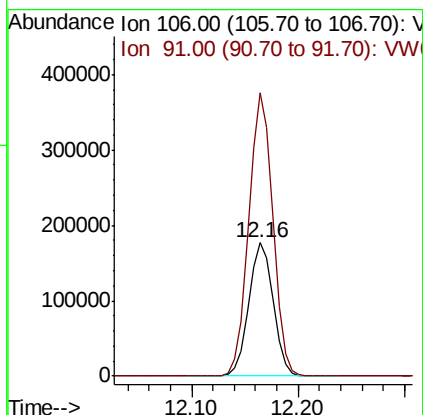
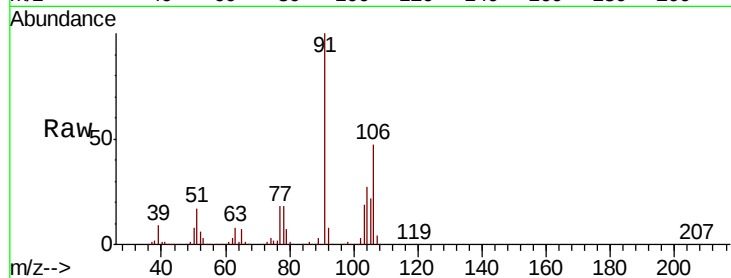




#69
o-Xylene
Concen: 51.761 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

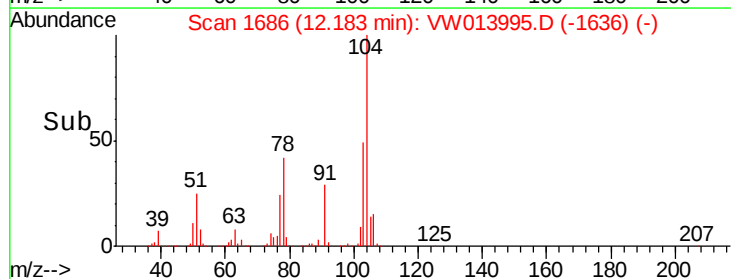
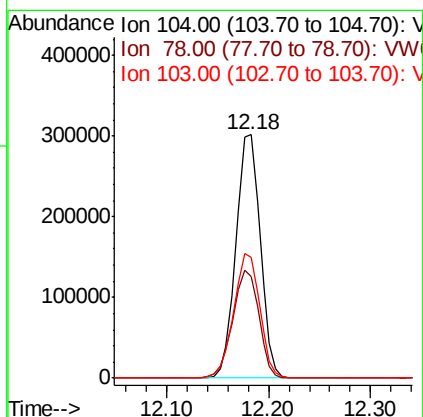
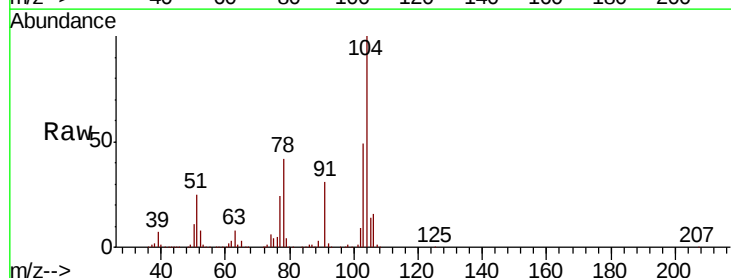
Instrument :
MSVOA_W
ClientSampled :

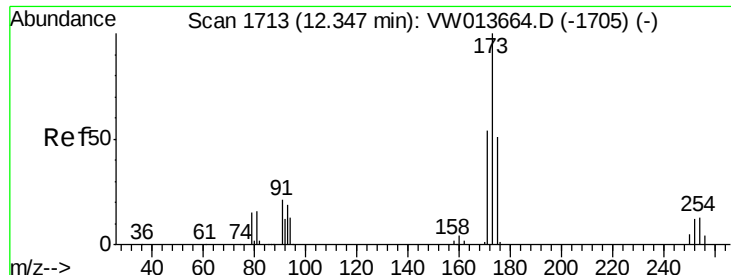
Tot Ion:106 Resp: 285438
Ion Ratio Lower Upper
106 100
91 209.2 104.9 314.7



#70
Styrene
Concen: 52.475 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion:104 Resp: 497183
Ion Ratio Lower Upper
104 100
78 47.5 37.1 55.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 49.790 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

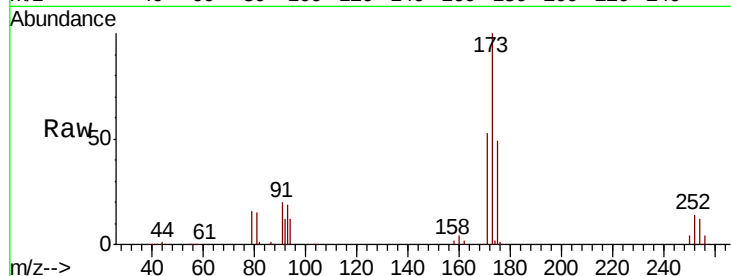
Tot Ion:173 Resp: 78530

Ion Ratio Lower Upper

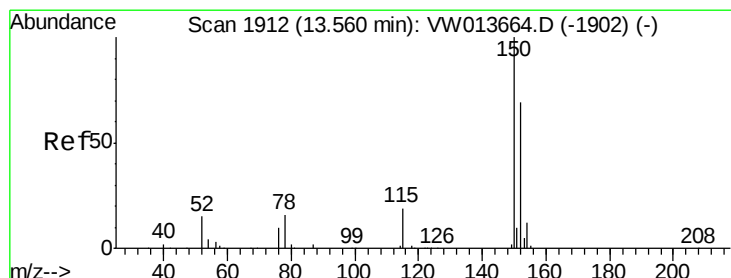
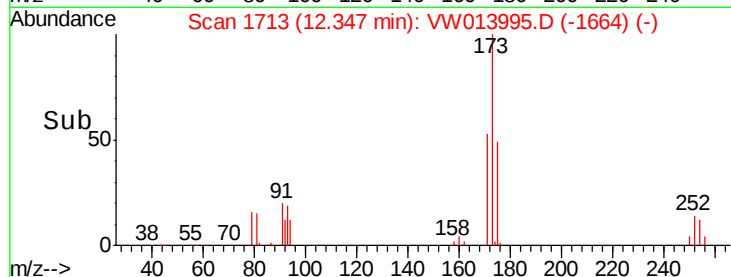
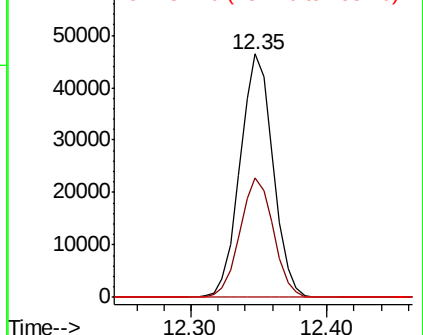
173 100

175 49.6 25.2 75.6

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

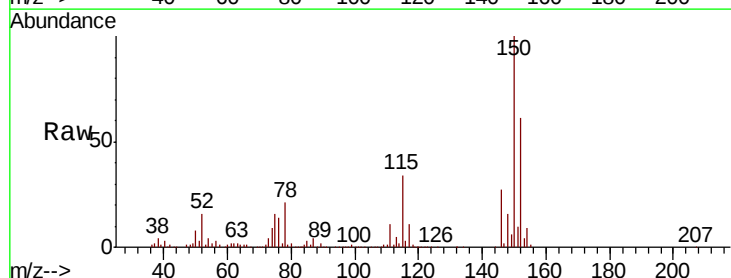
Tgt Ion:152 Resp: 207607

Ion Ratio Lower Upper

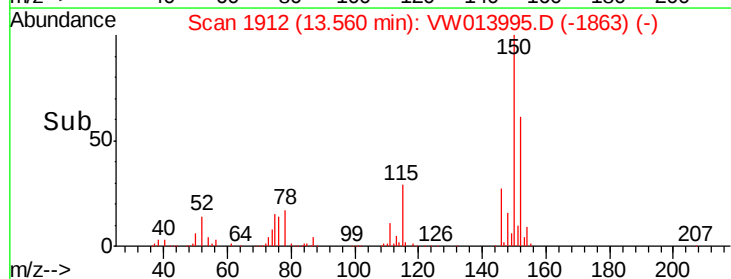
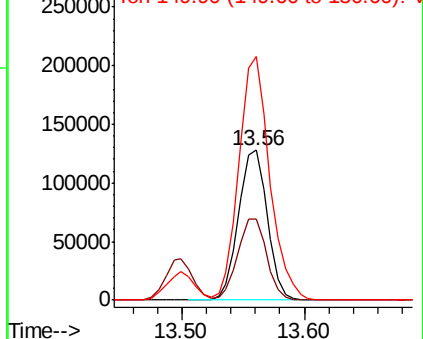
152 100

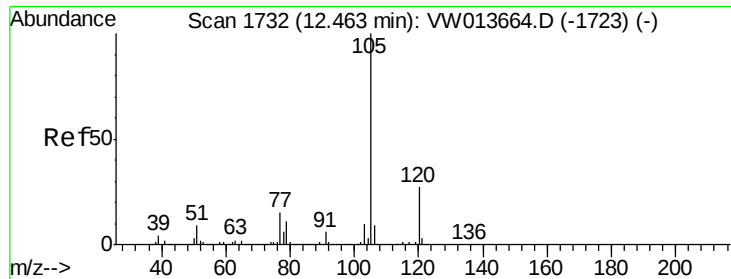
115 54.9 27.4 82.2

150 174.8 0.0 345.4



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





#73

Isopropylbenzene

Concen: 54.904 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

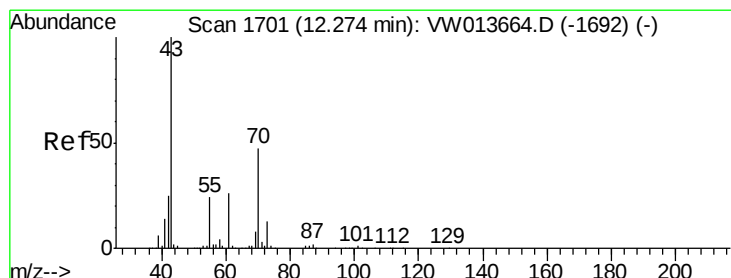
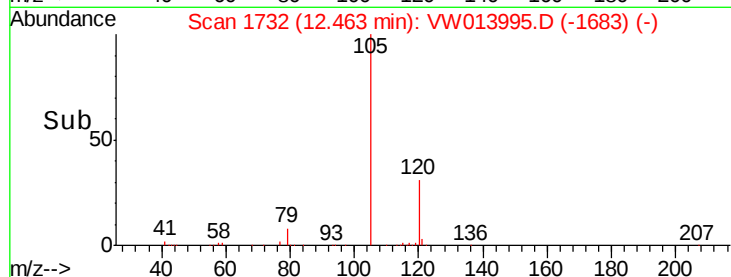
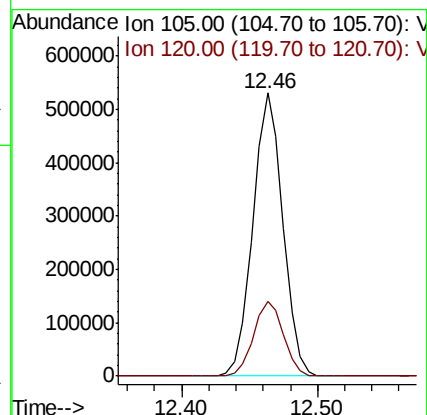
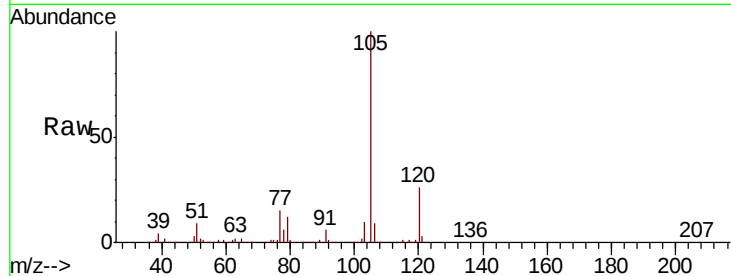
ClientSampled :

Tot Ion:105 Resp: 818566

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.4



#74

N-ethyl acetate

Concen: 50.512 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Tgt Ion: 43 Resp: 145678

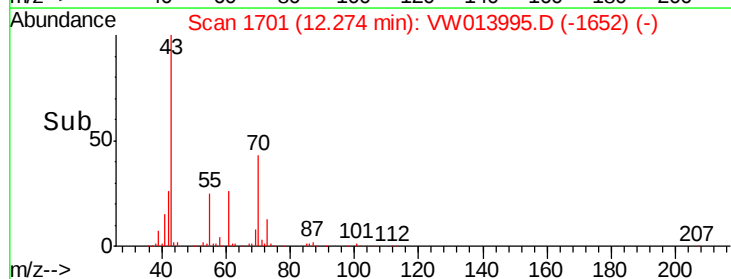
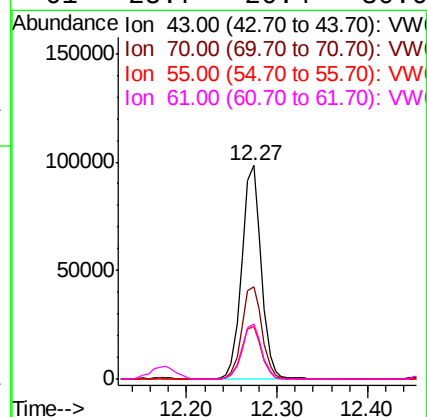
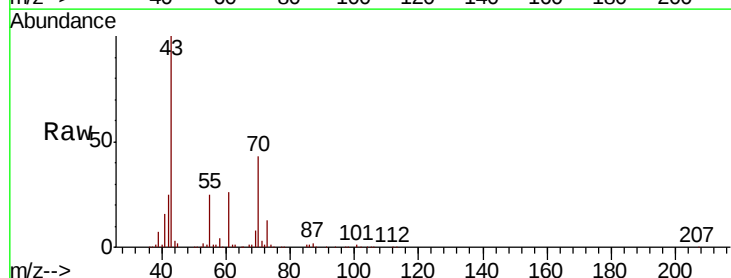
Ion Ratio Lower Upper

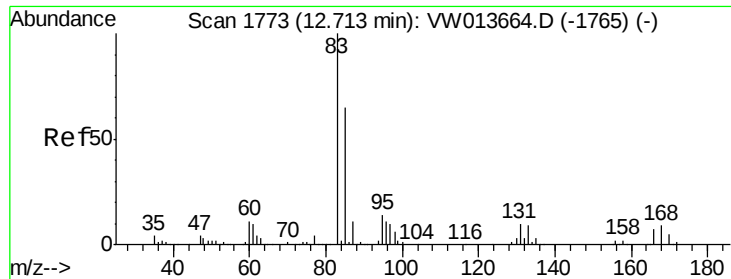
43 100

70 45.2 36.6 55.0

55 25.4 20.3 30.5

61 25.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.373 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

ClientSampled :

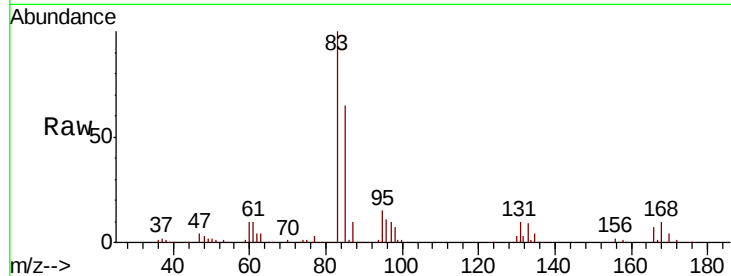
Tot Ion: 83 Resp: 116160

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.1

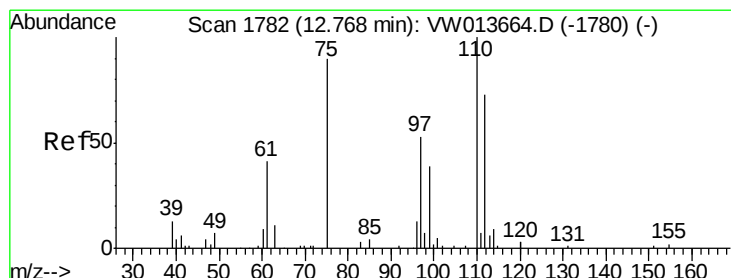
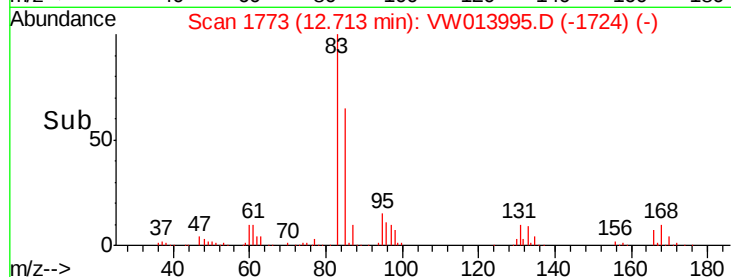
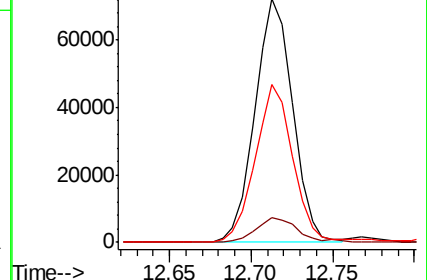
85 64.1 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 100.619 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013995.D

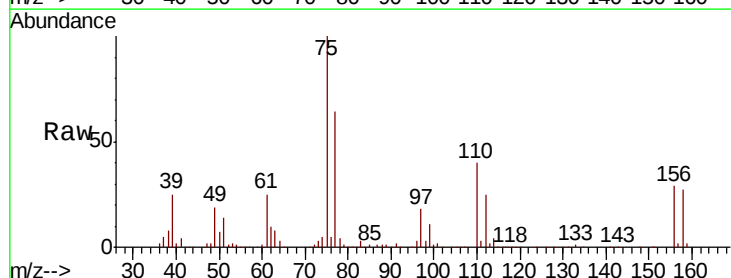
Acq: 13 Nov 2019 09:49

Tgt Ion: 75 Resp: 150014

Ion Ratio Lower Upper

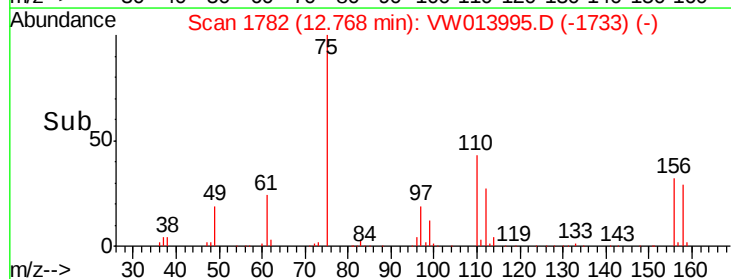
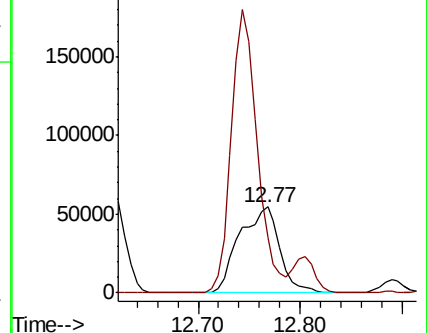
75 100

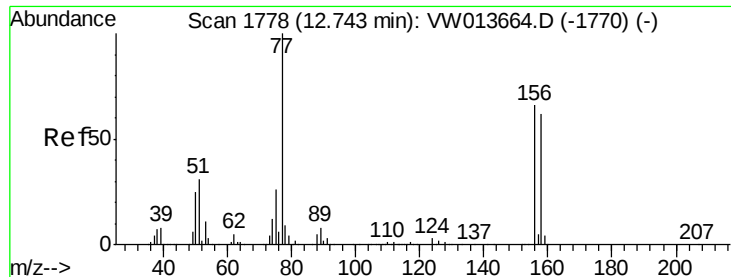
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.650 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

ClientSampled :

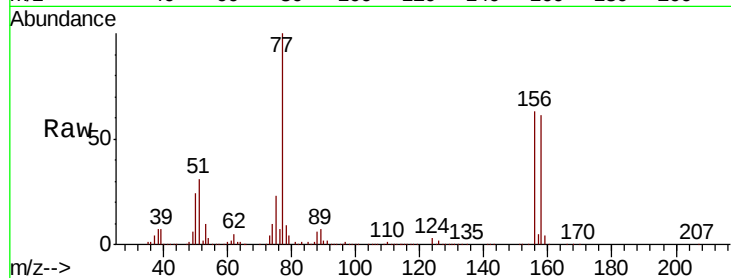
Tot Ion:156 Resp: 191077

Ion Ratio Lower Upper

156 100

77 166.5 82.9 248.7

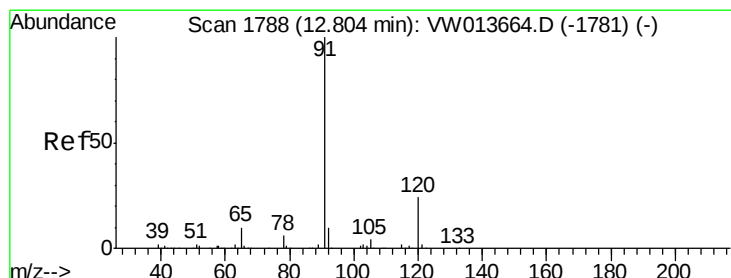
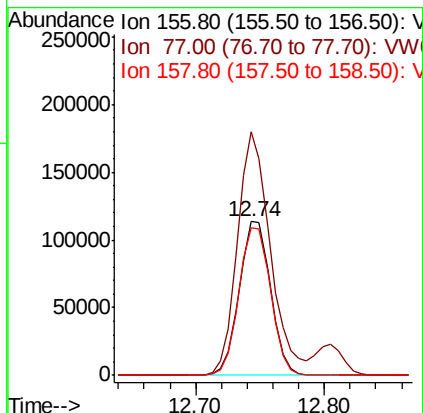
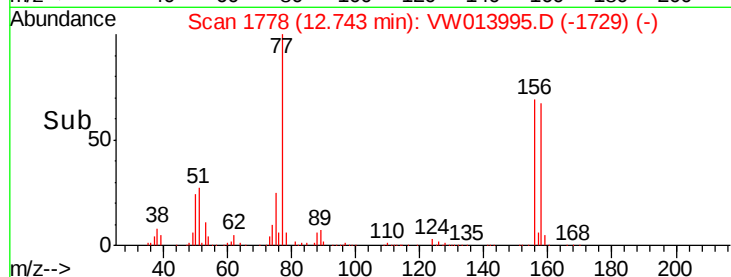
158 97.1 48.4 145.2



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: 54.679 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013995.D

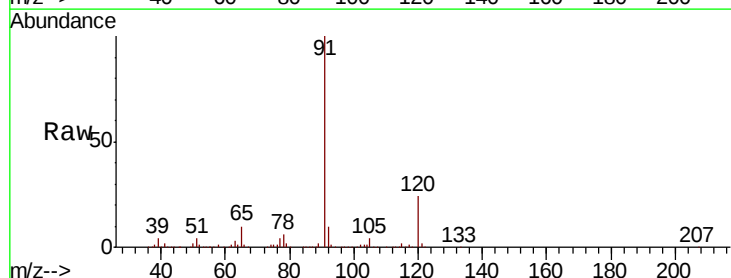
Acq: 13 Nov 2019 09:49

Tgt Ion: 91 Resp: 943551

Ion Ratio Lower Upper

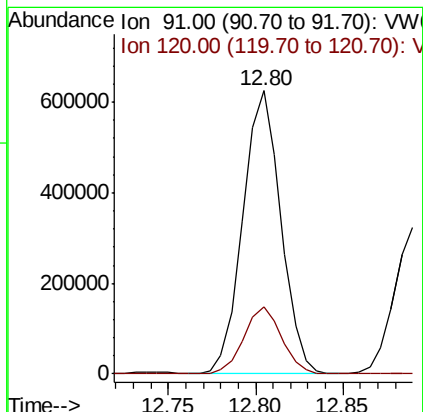
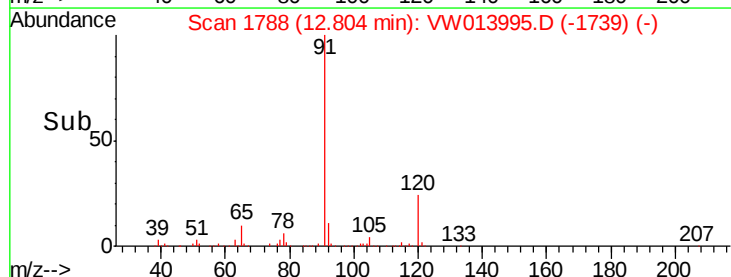
91 100

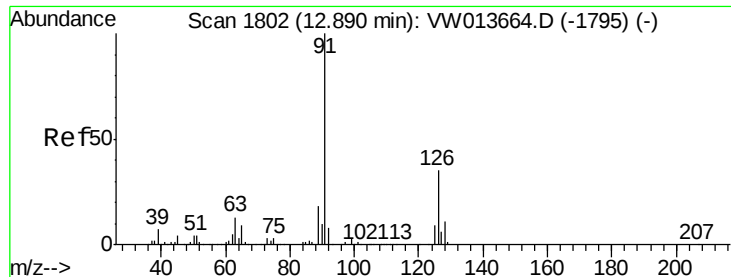
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.105 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

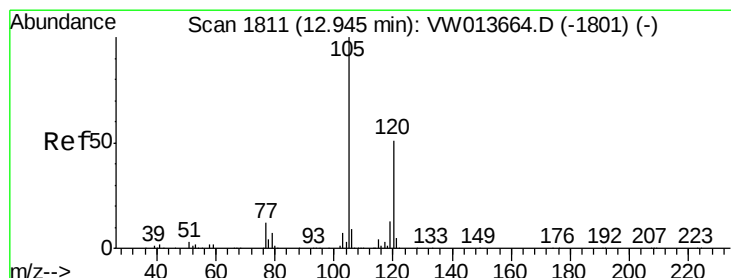
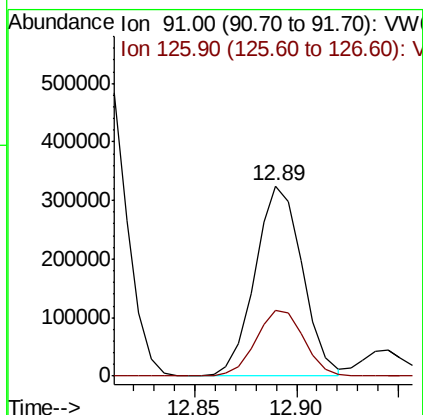
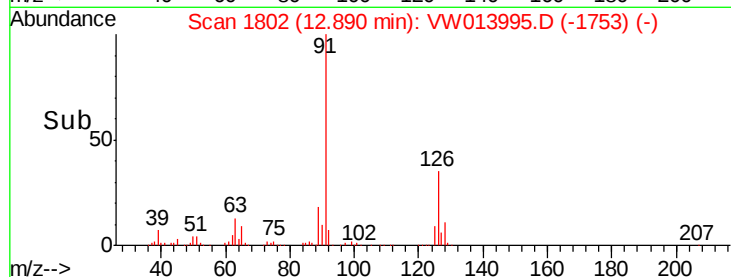
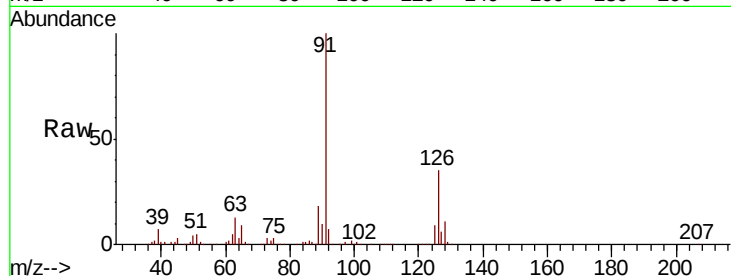
ClientSampleId :

Tot Ion: 91 Resp: 524673

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 53.918 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013995.D

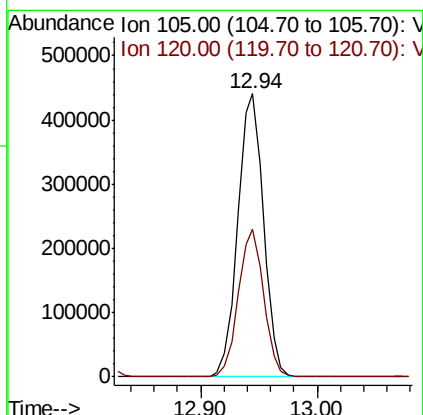
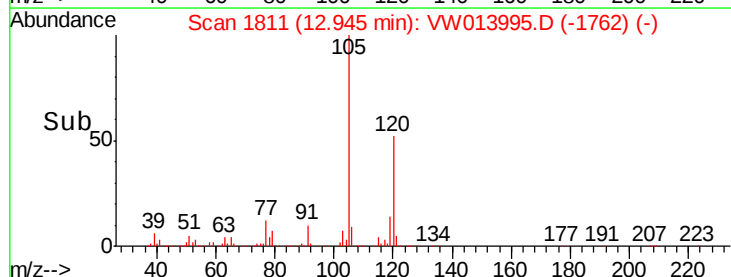
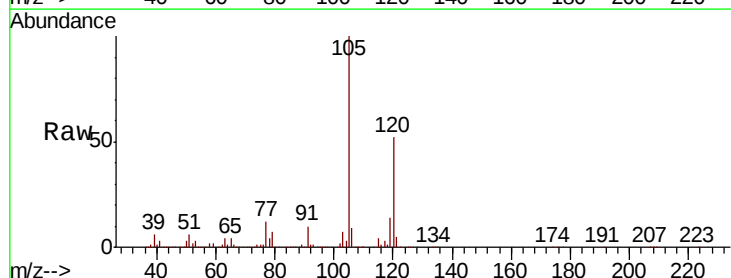
Acq: 13 Nov 2019 09:49

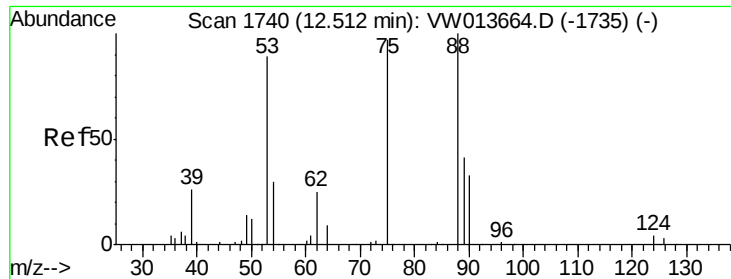
Tgt Ion: 105 Resp: 678583

Ion Ratio Lower Upper

105 100

120 51.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.075 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

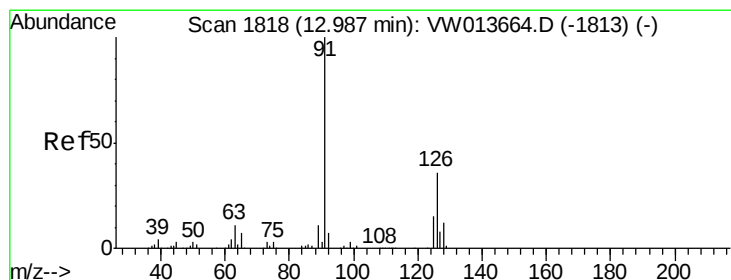
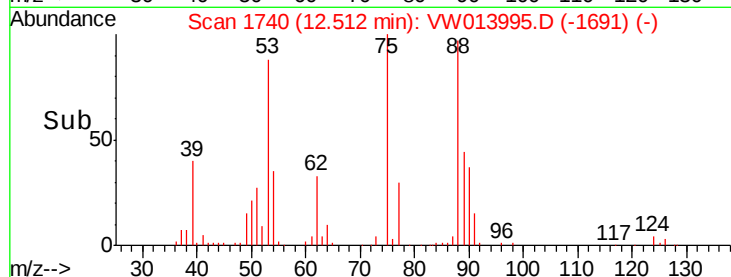
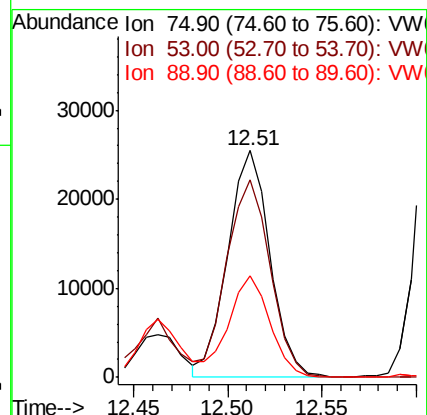
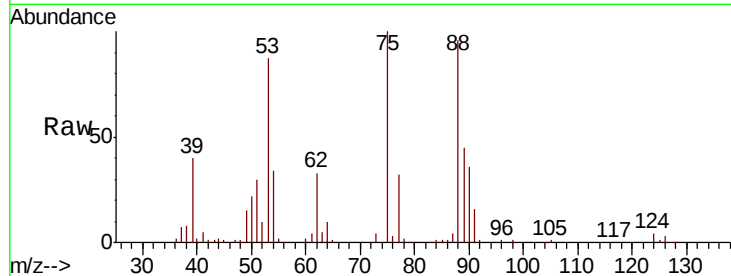
Tot Ion: 75 Resp: 39504

Ion Ratio Lower Upper

75 100

53 91.0 71.7 107.5

89 43.1 35.8 53.8



#82

4-Chlorotoluene

Concen: 53.970 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013995.D

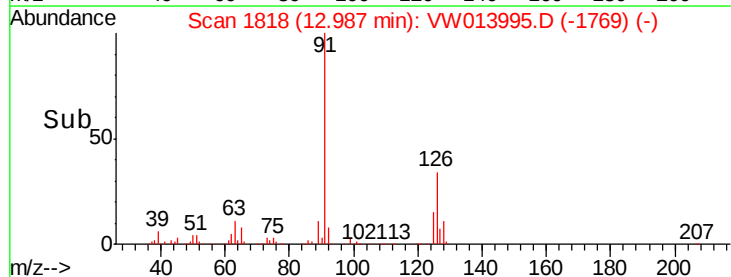
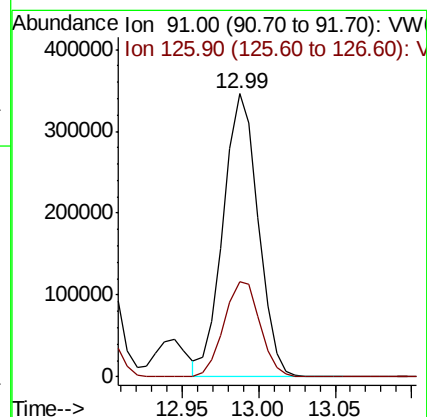
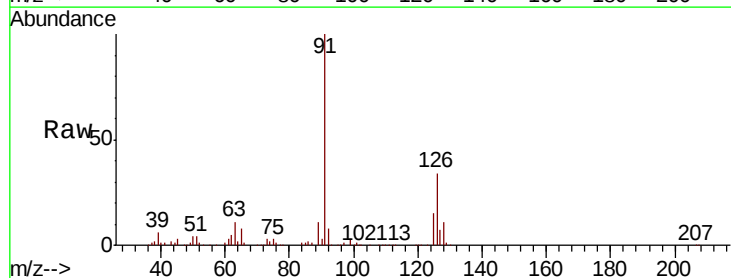
Acq: 13 Nov 2019 09:49

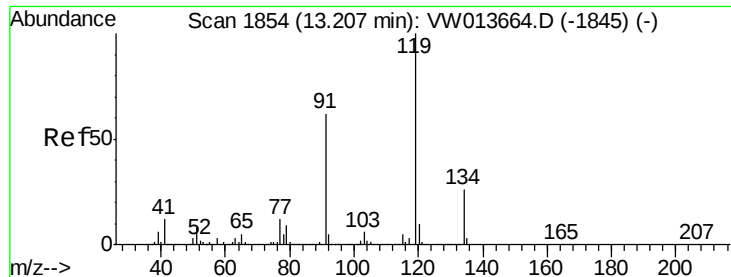
Tgt Ion: 91 Resp: 549457

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.5

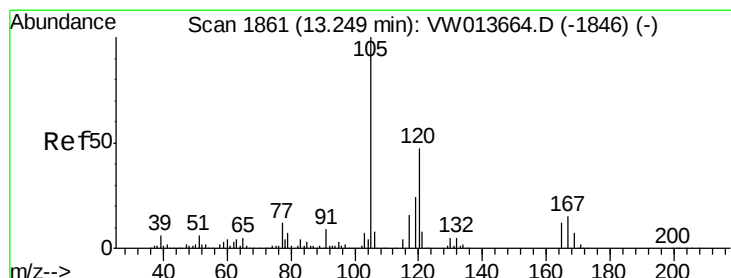
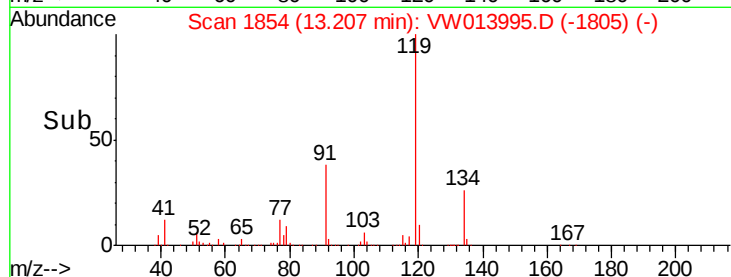
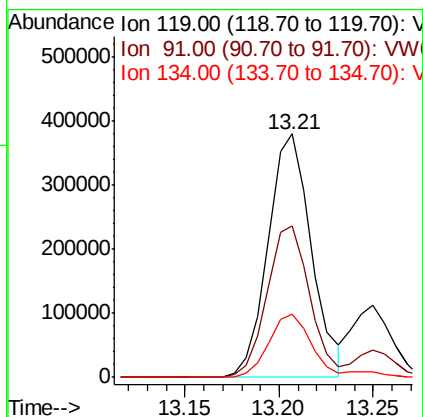
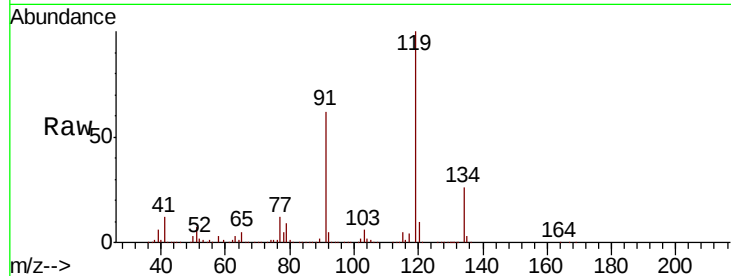




#83
tert-Butylbenzene
Concen: 54.251 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

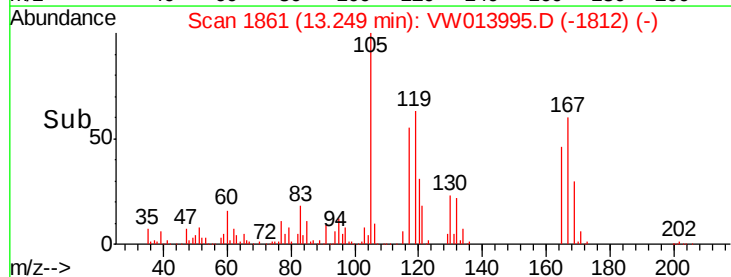
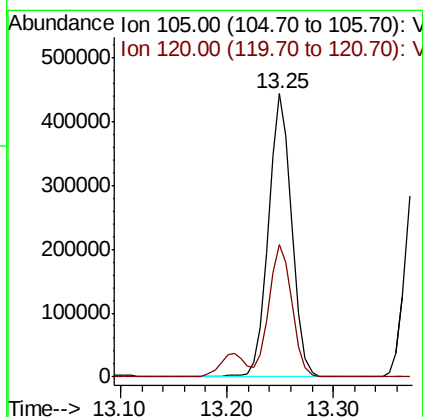
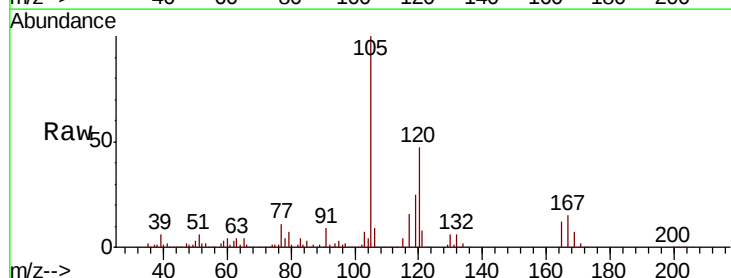
Instrument :
MSVOA_W
ClientSampled :

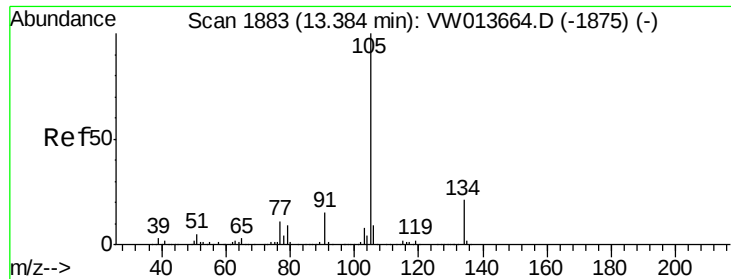
Tot Ion:119 Resp: 606063
Ion Ratio Lower Upper
119 100
91 61.0 30.4 91.3
134 27.3 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 54.340 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion:105 Resp: 674632
Ion Ratio Lower Upper
105 100
120 46.3 23.5 70.5

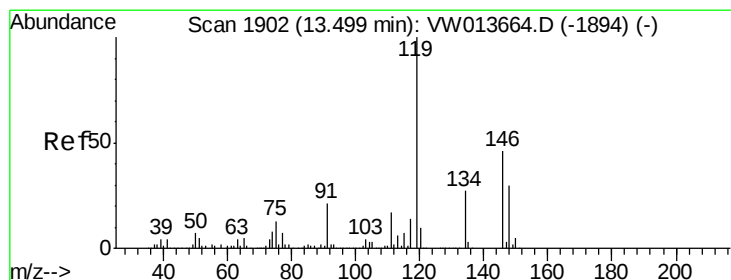
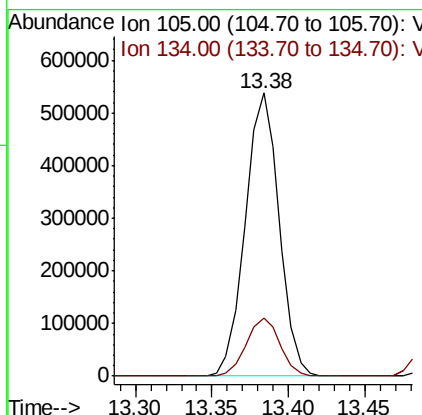
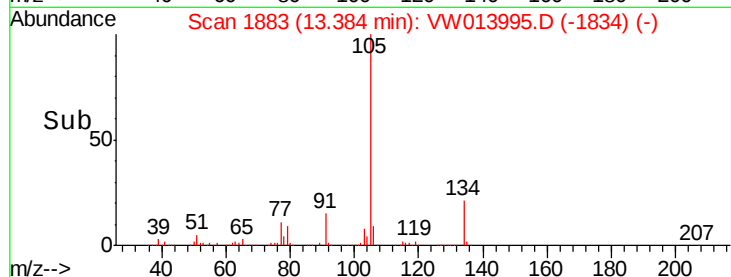
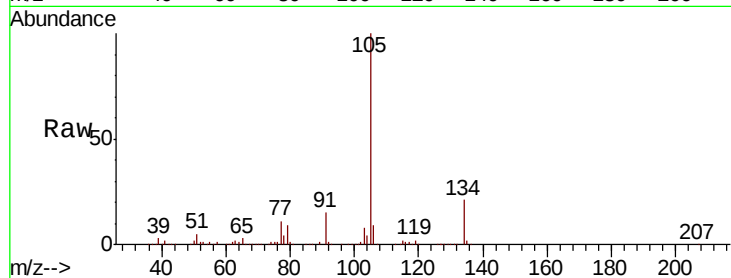




#85
 sec-Butylbenzene
 Concen: 54.081 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

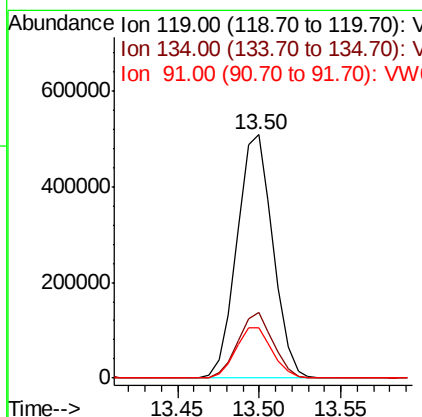
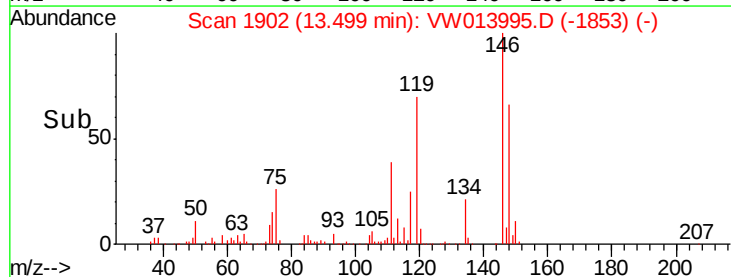
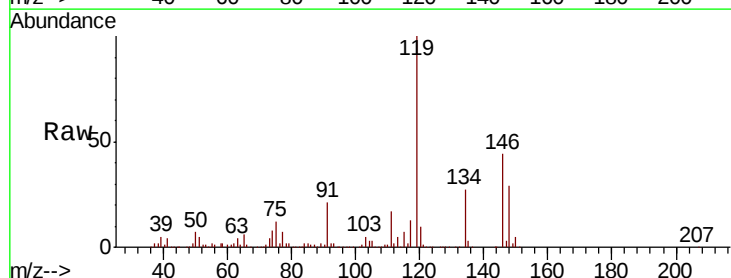
Instrument :
 MSVOA_W
 ClientSampleId :

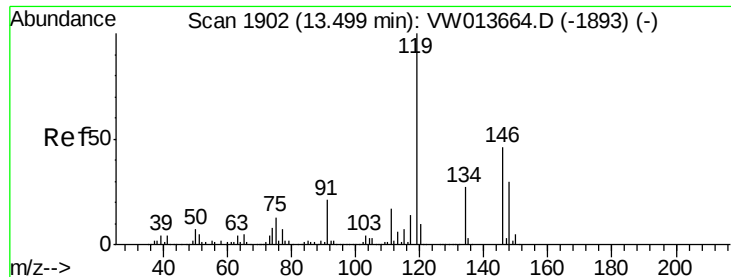
Tot Ion:105 Resp: 826182
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 54.802 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Tgt Ion:119 Resp: 779858
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.4 40.1
 91 21.1 10.8 32.3

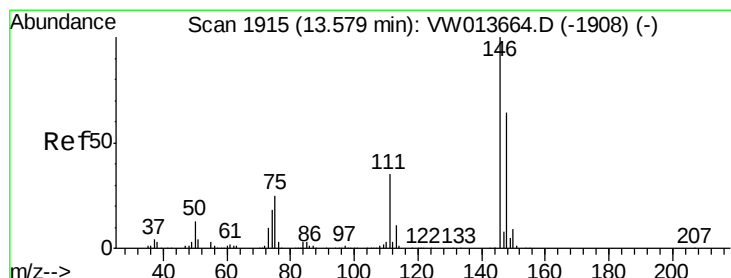
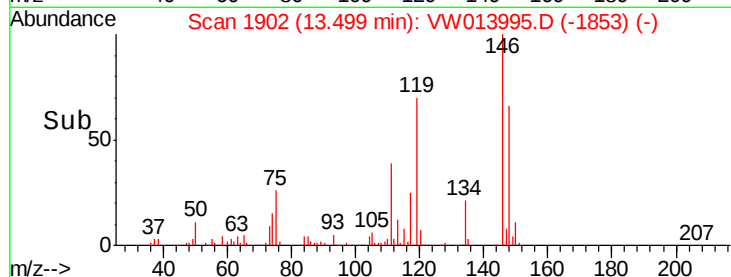
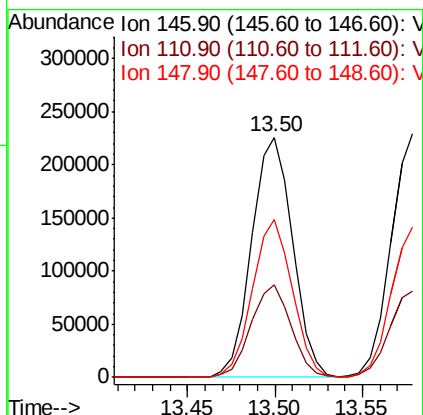
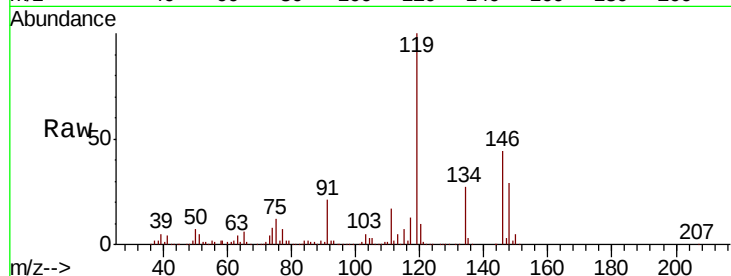




#87
 1,3-Dichlorobenzene
 Concen: 53.242 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

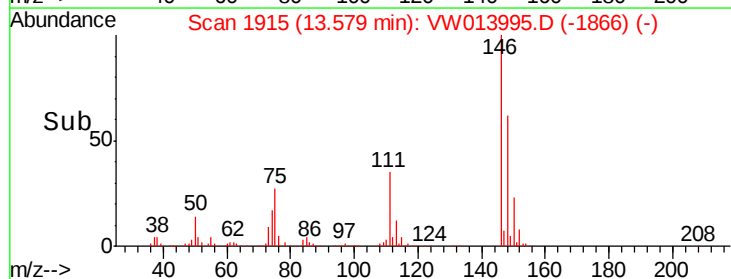
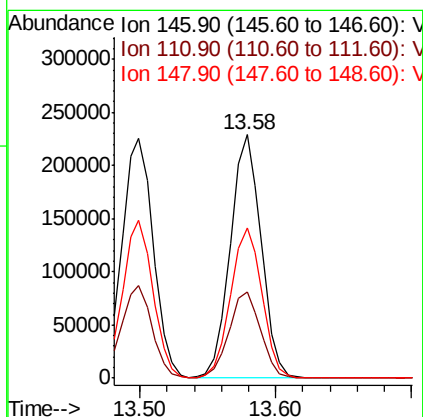
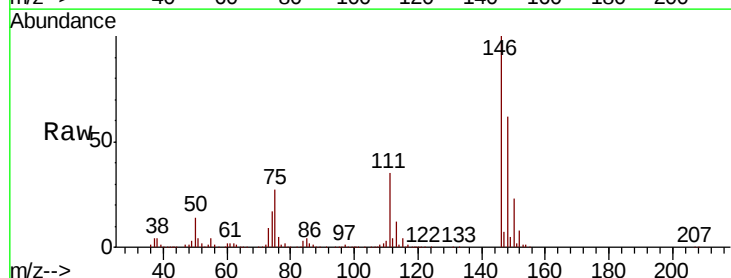
Instrument :
 MSVOA_W
 ClientSampleId :

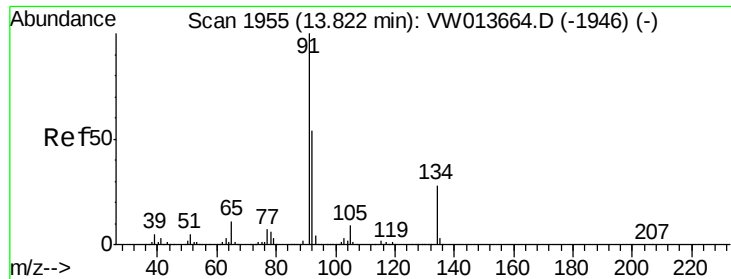
Tot Ion:146 Resp: 367402
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 56.0
 148 63.9 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 52.472 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Tgt Ion:146 Resp: 359716
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.1 54.3
 148 63.0 32.0 96.2





#89

n-Butylbenzene

Concen: 53.784 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013995.D

Acq: 13 Nov 2019 09:49

Instrument :

MSVOA_W

ClientSampled :

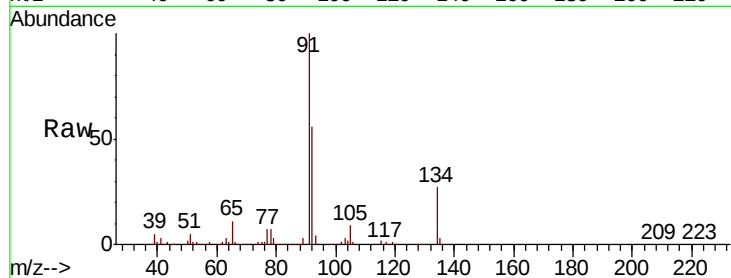
Tot Ion: 91 Resp: 690844

Ion Ratio Lower Upper

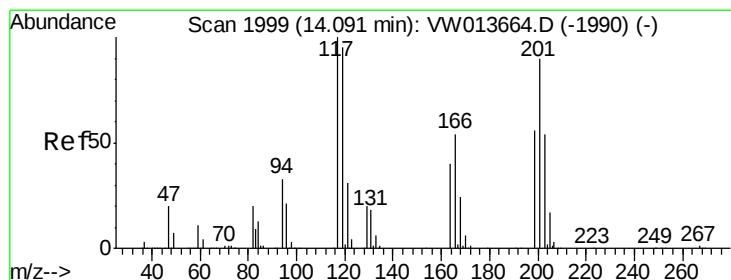
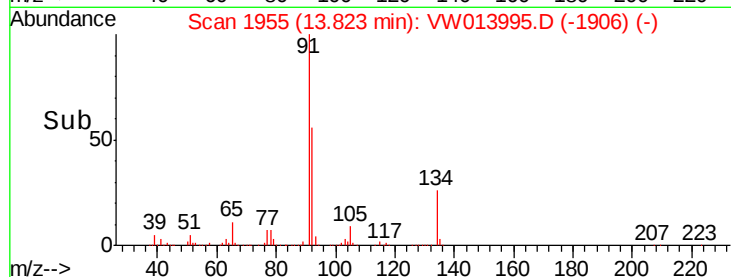
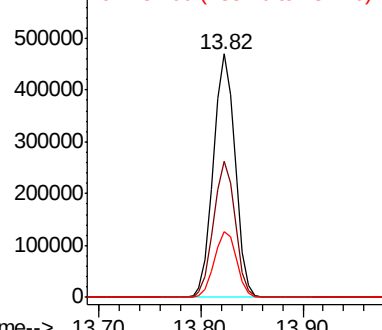
91 100

92 55.4 27.5 82.4

134 27.6 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.484 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013995.D

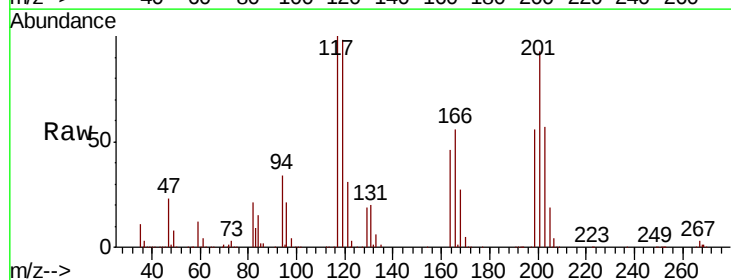
Acq: 13 Nov 2019 09:49

Tgt Ion: 117 Resp: 134766

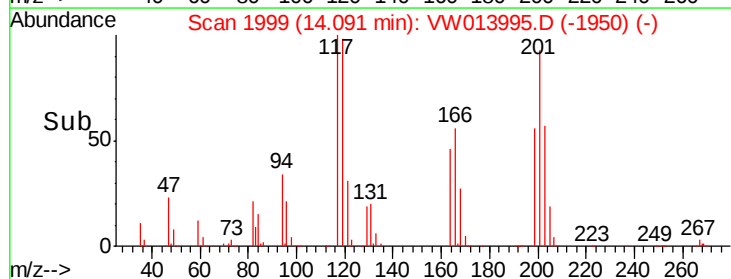
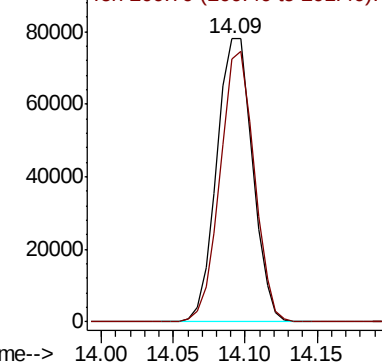
Ion Ratio Lower Upper

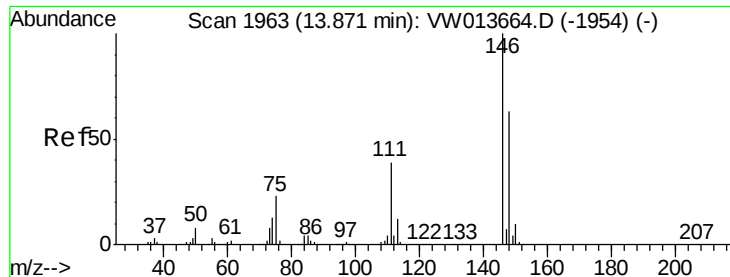
117 100

201 90.6 46.1 138.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

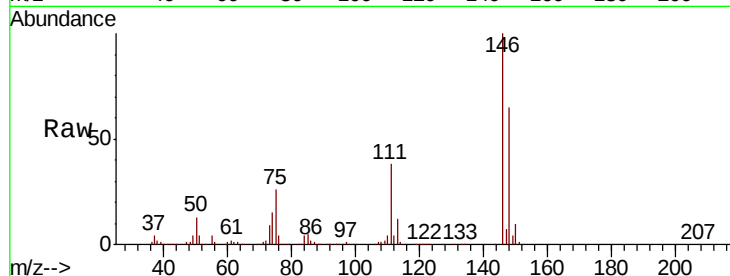




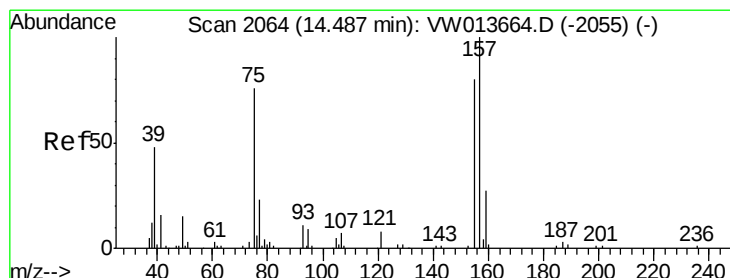
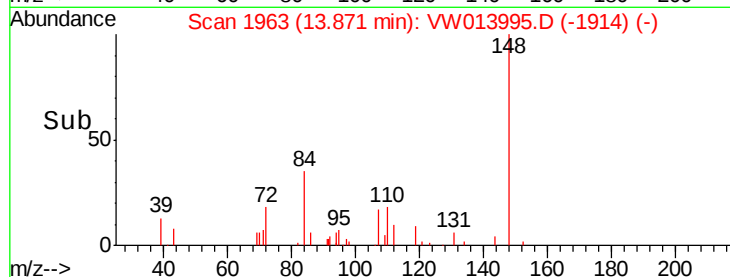
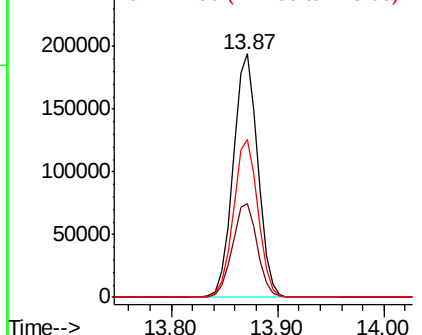
#91
 1,2-Dichlorobenzene
 Concen: 52.471 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.6
148	64.9	31.9	95.9

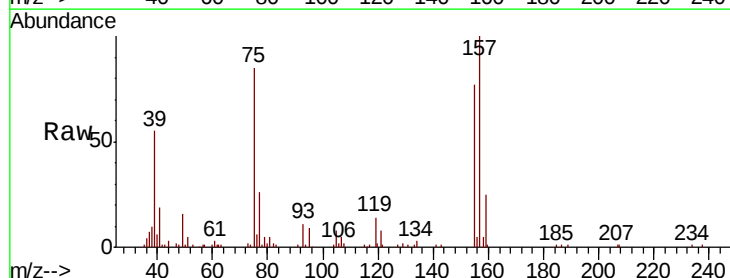


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

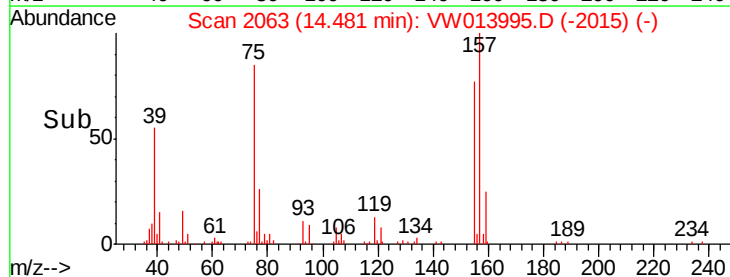
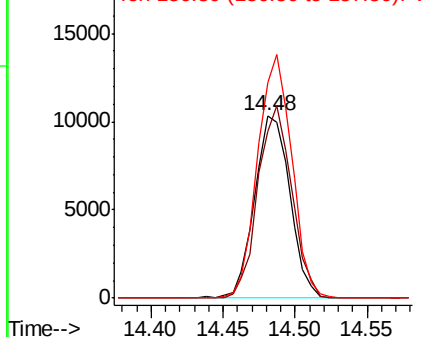


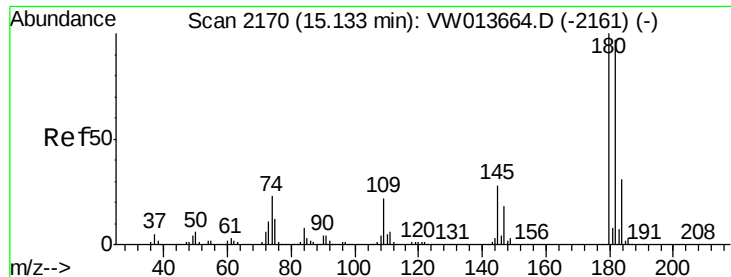
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.232 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.7	51.9	155.7
157	128.8	64.8	194.3



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

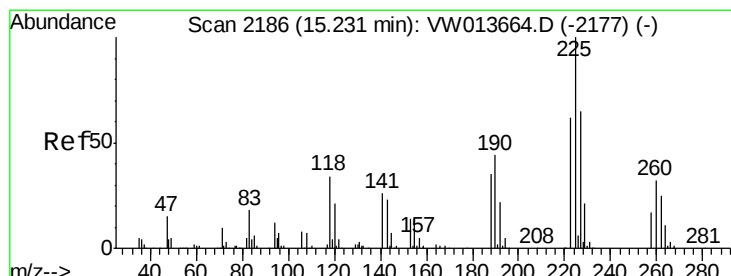
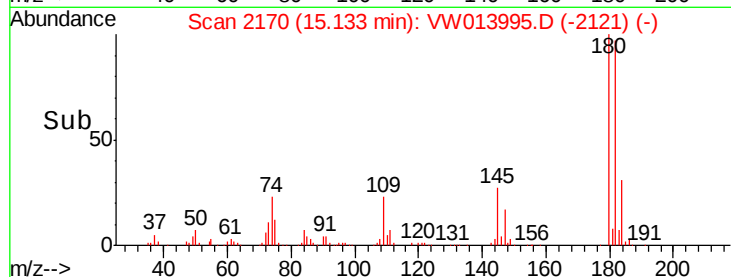
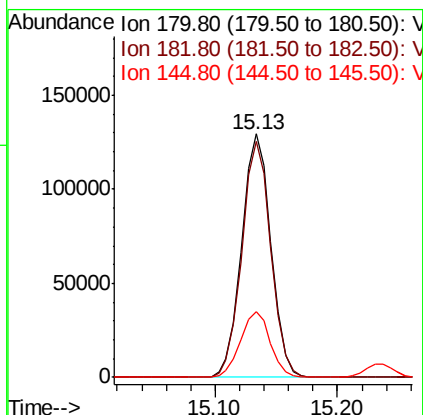
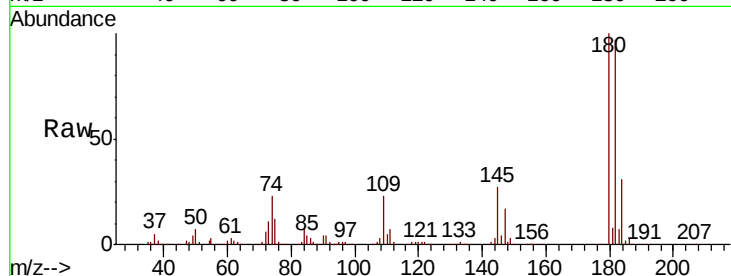




#93
 1,2,4-Trichlorobenzene
 Concen: 49.136 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

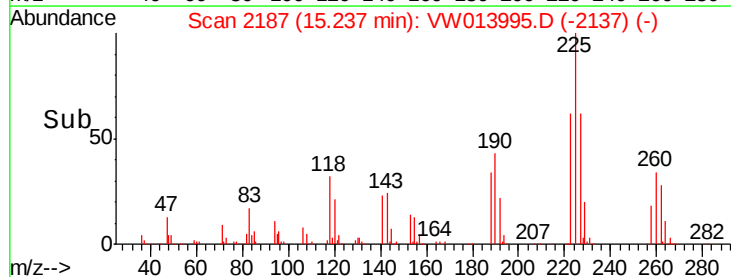
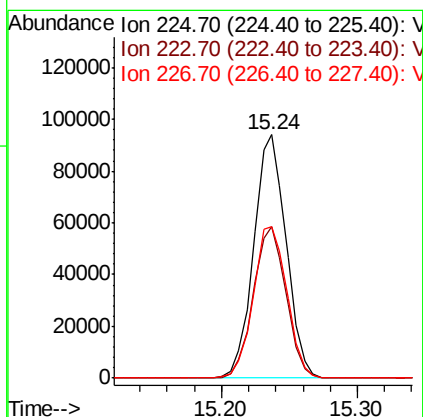
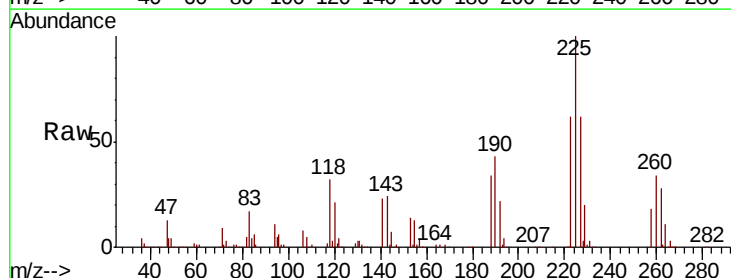
Instrument :
 MSVOA_W
 ClientSampleId :

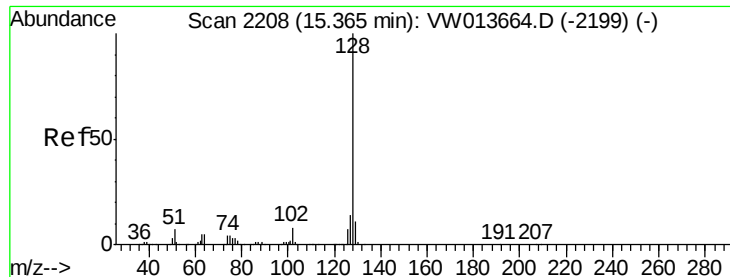
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.2
145	27.4	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 53.384 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013995.D
 Acq: 13 Nov 2019 09:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.9
227	64.6	32.5	97.4

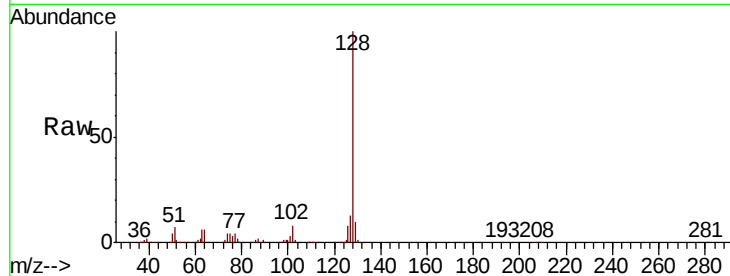




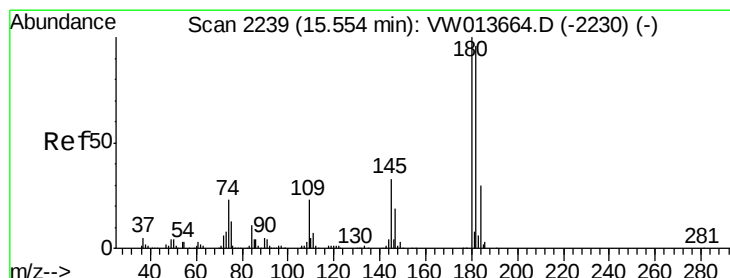
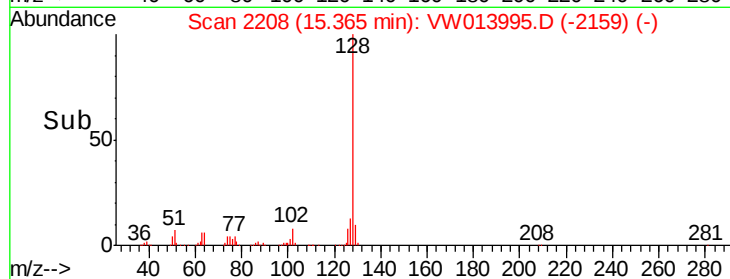
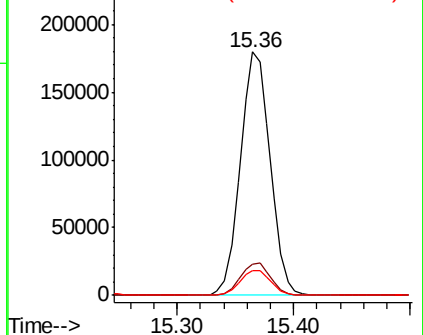
#95
Naphthalene
Concen: 47.028 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 321070
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.7 8.7 13.1

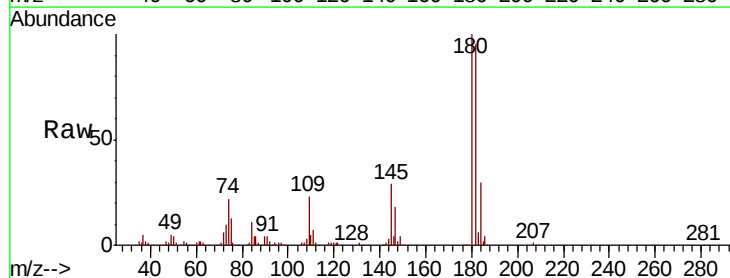


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.768 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013995.D
Acq: 13 Nov 2019 09:49

Tgt Ion:180 Resp: 182981
Ion Ratio Lower Upper
180 100
182 95.1 47.4 142.3
145 29.7 14.9 44.9



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

