

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013708.D
 Acq On : 24 Oct 2019 10:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 24 10:54:52 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	240153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159648	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	113258	62.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.74%	
35) Dibromofluoromethane	7.88	113	108899	55.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.50%	
50) Toluene-d8	10.32	98	429068	53.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.82%	
62) 4-Bromofluorobenzene	12.62	95	148931	55.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	52317	41.351	ug/l	99
3) Chloromethane	2.21	50	60155	44.241	ug/l	100
4) Vinyl Chloride	2.37	62	94777	46.155	ug/l	95
5) Bromomethane	2.78	94	66013	48.881	ug/l	97
6) Chloroethane	2.92	64	60398	48.609	ug/l	97
7) Trichlorofluoromethane	3.26	101	52941	41.276	ug/l	99
8) Diethyl Ether	3.68	74	60339	58.229	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	105864	50.772	ug/l	98
10) Methyl Iodide	4.28	142	172872	50.878	ug/l	99
11) Tert butyl alcohol	5.16	59	41555	386.386	ug/l	97
12) 1,1-Dichloroethene	4.04	96	107224	49.783	ug/l	94
13) Acrolein	3.90	56	30435	247.010	ug/l	96
14) Allyl chloride	4.67	41	168708	50.941	ug/l	98
15) Acrylonitrile	5.36	53	159650	378.895	ug/l	98
16) Acetone	4.12	43	123505	323.326	ug/l	96
17) Carbon Disulfide	4.39	76	300167	48.527	ug/l	99
18) Methyl Acetate	4.67	43	94829	90.563	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	164148	63.510	ug/l	97
20) Methylene Chloride	4.92	84	120258	57.979	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	119299	51.463	ug/l	97
22) Diisopropyl ether	6.31	45	335804	55.586	ug/l	96
23) Vinyl Acetate	6.25	43	999760	285.214	ug/l	100
24) 1,1-Dichloroethane	6.21	63	202683	52.976	ug/l	99
25) 2-Butanone	7.17	43	204268	371.955	ug/l	95
26) 2,2-Dichloropropane	7.16	77	94284	42.616	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	130412	52.965	ug/l	99
28) Bromochloromethane	7.51	49	86715	63.249	ug/l #	97
29) Tetrahydrofuran	7.53	42	135345	398.079	ug/l	99
30) Chloroform	7.67	83	201276	53.217	ug/l	96
31) Cyclohexane	7.96	56	189849	47.416	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	156405	52.697	ug/l	99
36) 1,1-Dichloropropene	8.08	75	162967	49.779	ug/l	98
37) Ethyl Acetate	7.25	43	87344	69.696	ug/l	98
38) Carbon Tetrachloride	8.07	117	147755	50.119	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	205808	48.679	ug/l	97
40) Benzene	8.32	78	471449	50.885	ug/l	99
41) Methacrylonitrile	7.48	41	47047	60.201	ug/l	95
42) 1,2-Dichloroethane	8.40	62	136273	58.368	ug/l	100
43) Isopropyl Acetate	8.42	43	158335	66.005	ug/l	98
44) Trichloroethene	9.09	130	136497	51.432	ug/l	99
45) 1,2-Dichloropropane	9.37	63	116913	52.830	ug/l	97
46) Dibromomethane	9.46	93	64150	59.725	ug/l	99
47) Bromodichloromethane	9.65	83	152926	55.026	ug/l	97
48) Methyl methacrylate	9.43	41	82581	69.420	ug/l	99
49) 1,4-Dioxane	9.45	88	23393	1473.859	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	430569	361.208	ug/l	99
52) Toluene	10.38	92	306518	51.289	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	154095	54.771	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	179001	51.569	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	96438	60.245	ug/l	96
56) Ethyl methacrylate	10.65	69	134615	67.215	ug/l	99
57) 1,3-Dichloropropane	10.93	76	161150	58.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	316126	342.965	ug/l	98
59) 2-Hexanone	10.97	43	298469	363.200	ug/l	98
60) Dibromochloromethane	11.13	129	110627	58.206	ug/l	100
61) 1,2-Dibromoethane	11.23	107	92706	61.215	ug/l	99
64) Tetrachloroethene	10.86	164	140432	59.158	ug/l	99
65) Chlorobenzene	11.66	112	322691	50.542	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	117922	52.922	ug/l	99
67) Ethyl Benzene	11.73	91	573716	49.834	ug/l	97
68) m/p-Xylenes	11.83	106	445698	100.204	ug/l	97
69) o-Xylene	12.16	106	207555	50.767	ug/l	97
70) Styrene	12.18	104	362178	51.560	ug/l	99
71) Bromoform	12.35	173	72550	62.044	ug/l #	98
73) Isopropylbenzene	12.46	105	563990	49.193	ug/l	100
74) N-amyl acetate	12.27	43	135629	61.155	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	114266	63.158	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	139589	121.753	ug/l #	100
77) Bromobenzene	12.74	156	140810	51.413	ug/l	97
78) n-propylbenzene	12.80	91	654270	49.305	ug/l	100
79) 2-Chlorotoluene	12.89	91	371100	49.764	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	481207	49.721	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35054	57.782	ug/l	97
82) 4-Chlorotoluene	12.99	91	386858	49.414	ug/l	99
83) tert-Butylbenzene	13.21	119	428836	49.918	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	476609	49.922	ug/l	99
85) sec-Butylbenzene	13.38	105	578743	49.265	ug/l	99
86) p-Isopropyltoluene	13.50	119	537960	49.160	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	263958	49.743	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	261453	49.595	ug/l	99
89) n-Butylbenzene	13.82	91	467785	47.359	ug/l	100
90) Hexachloroethane	14.09	117	95708	50.317	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	240090	52.181	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18786	68.667	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

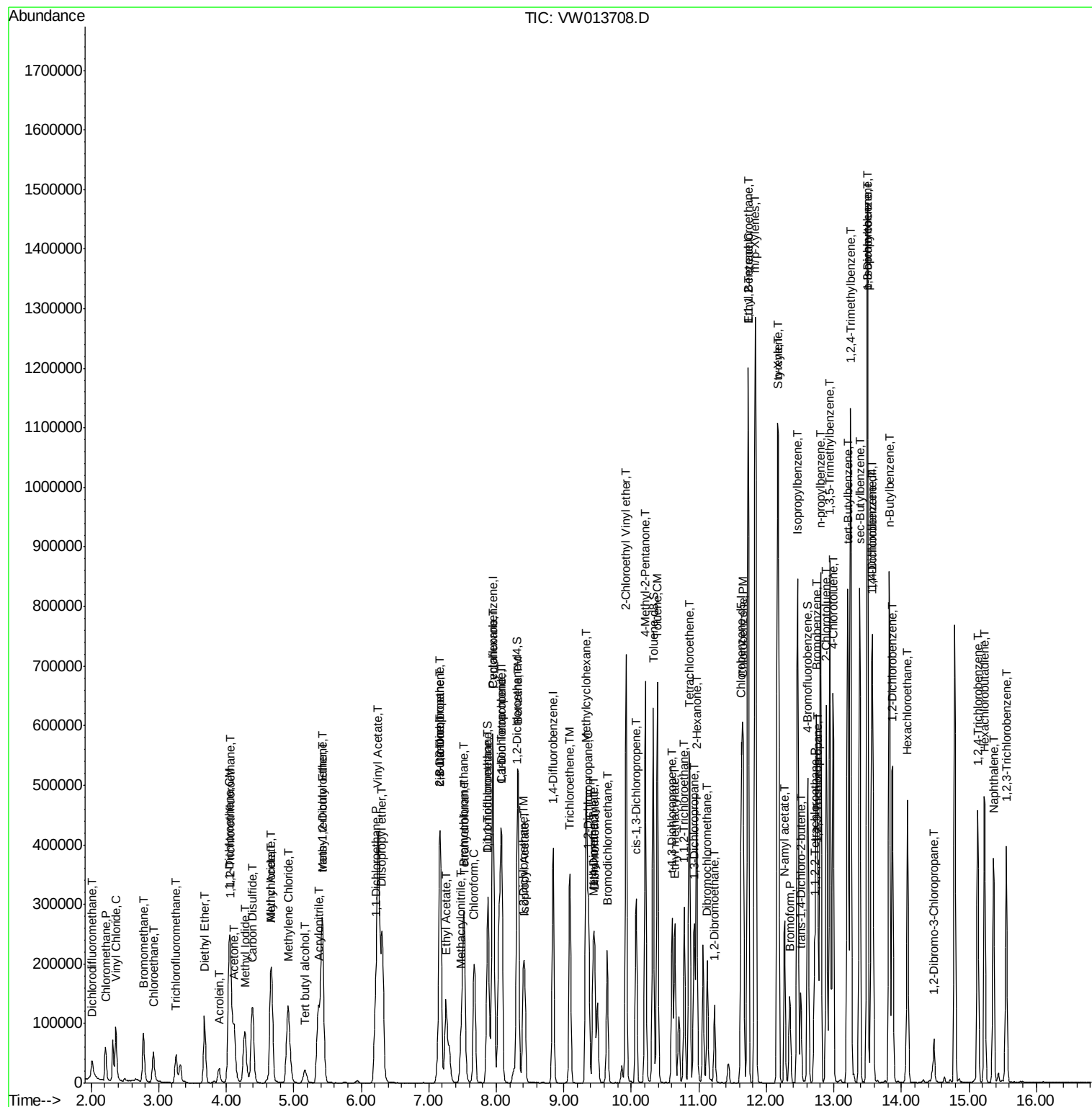
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	161132	48.121	ug/l	97
94) Hexachlorobutadiene	15.24	225	108867	48.160	ug/l	99
95) Naphthalene	15.36	128	333019	63.432	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	152403	52.820	ug/l	99

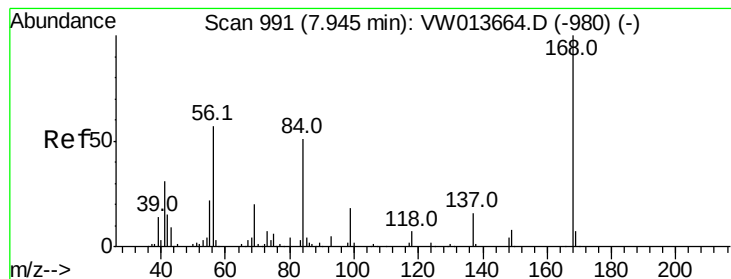
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

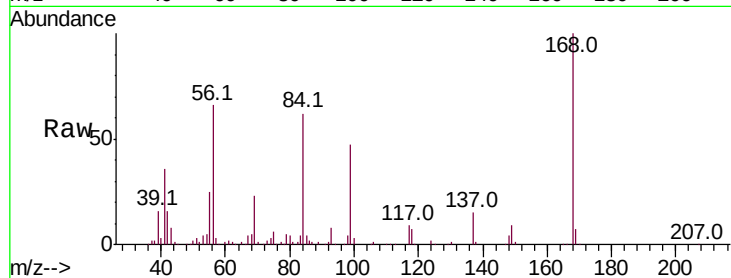
ClientSampled :

Tot Ion:168 Resp: 240153

Ion Ratio Lower Upper

168 100

99 47.0 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

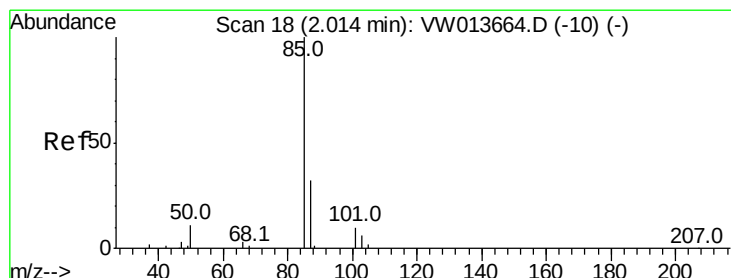
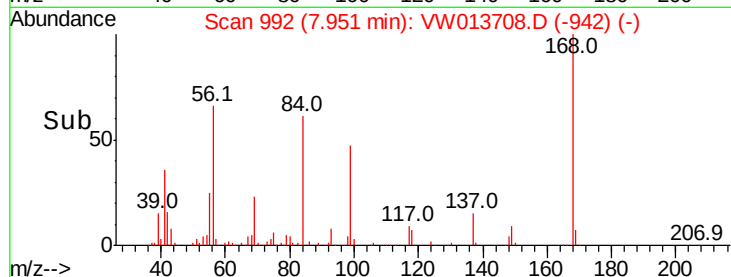
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 41.351 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013708.D

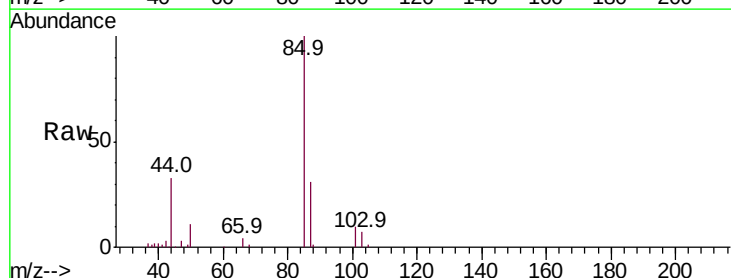
Acq: 24 Oct 2019 10:29

Tgt Ion: 85 Resp: 52317

Ion Ratio Lower Upper

85 100

87 31.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

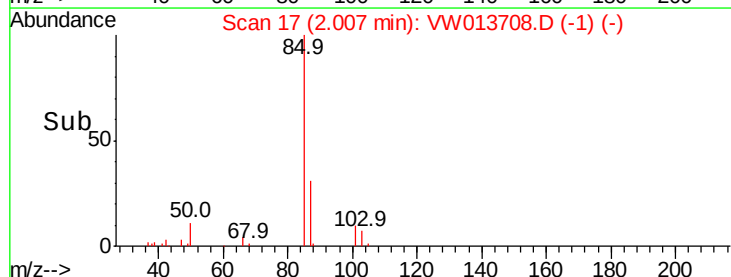
15000

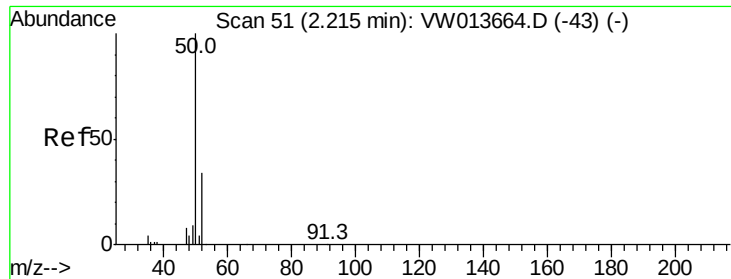
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 44.241 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

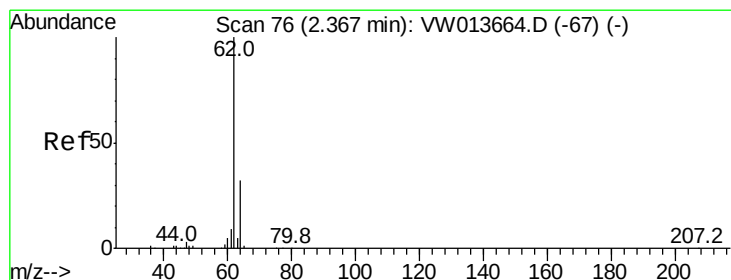
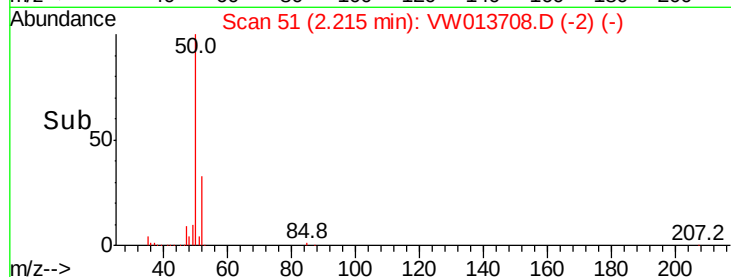
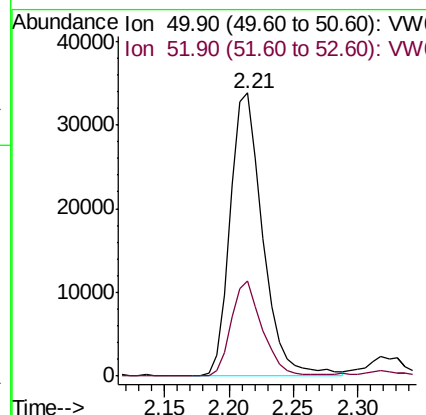
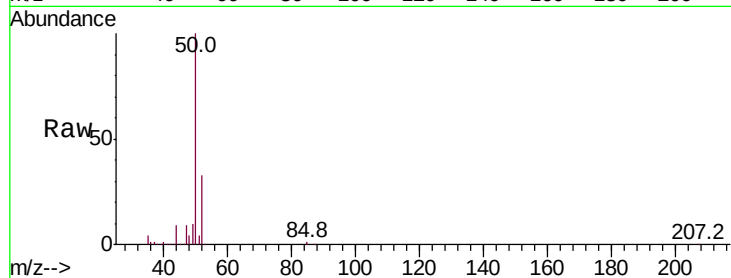
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 60155

Ion Ratio Lower Upper

50 100

52 33.4 26.9 40.3



#4

Vinyl Chloride

Concen: 46.155 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013708.D

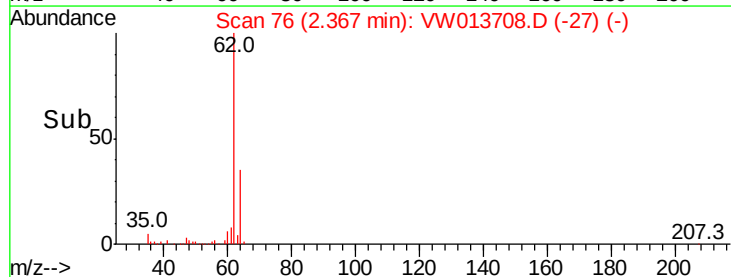
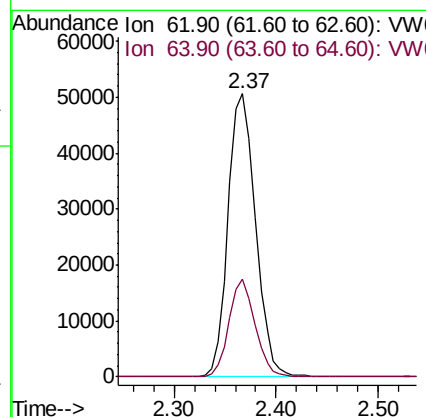
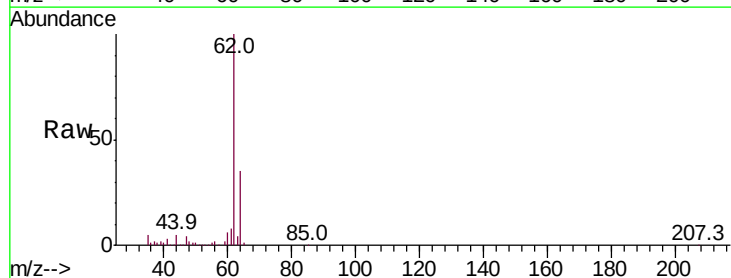
Acq: 24 Oct 2019 10:29

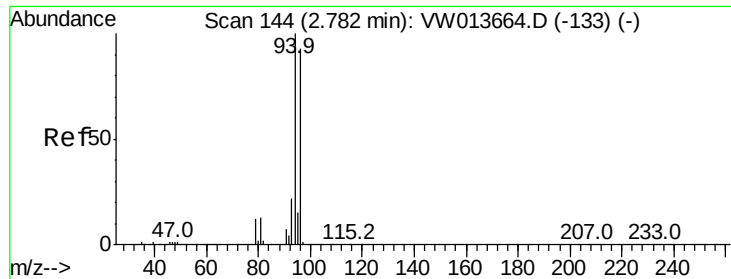
Tgt Ion: 62 Resp: 94777

Ion Ratio Lower Upper

62 100

64 34.7 25.5 38.3





#5

Bromomethane

Concen: 48.881 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

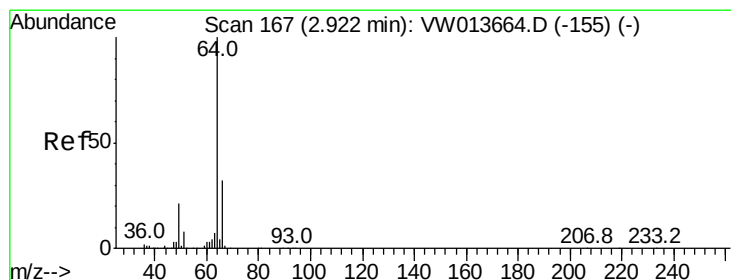
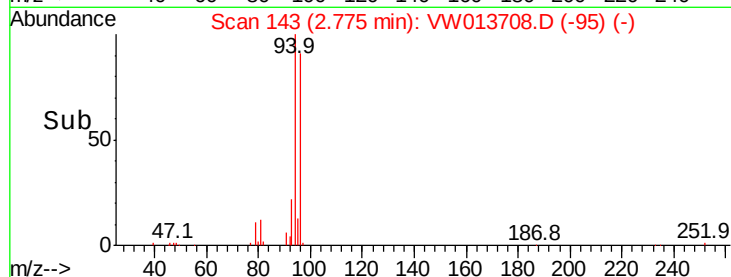
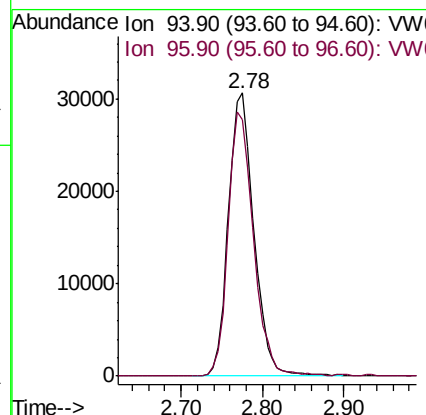
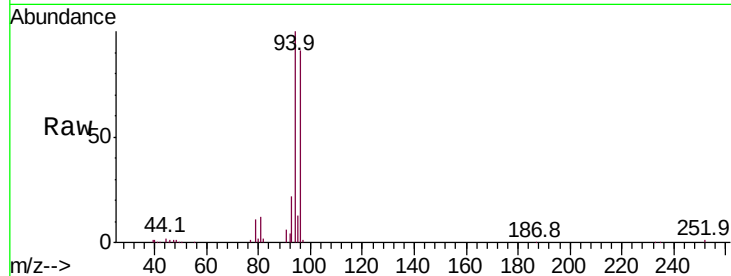
ClientSampleId :

Tot Ion: 94 Resp: 66013

Ion Ratio Lower Upper

94 100

96 90.8 74.6 112.0



#6

Chloroethane

Concen: 48.609 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013708.D

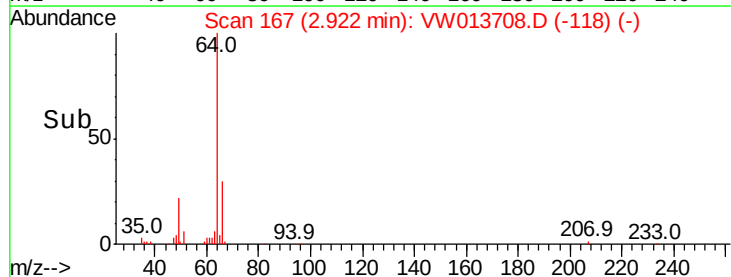
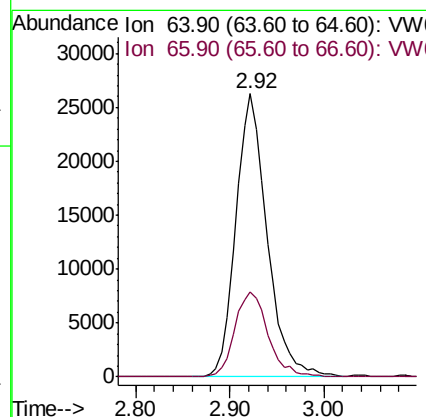
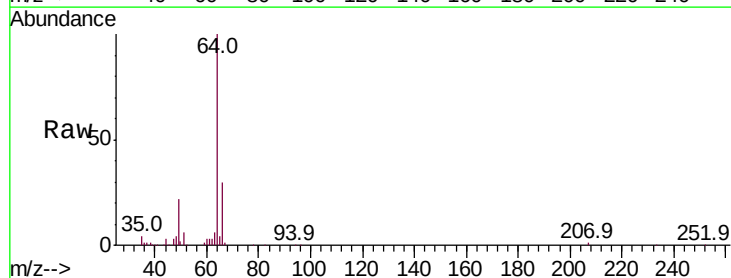
Acq: 24 Oct 2019 10:29

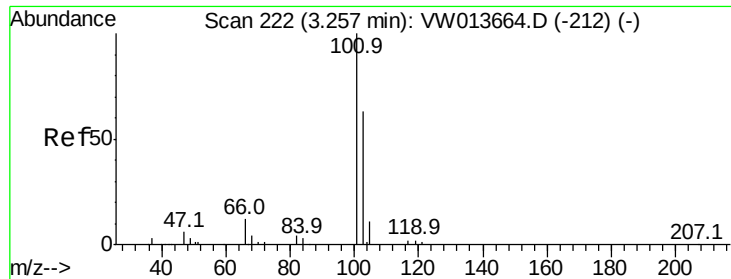
Tgt Ion: 64 Resp: 60398

Ion Ratio Lower Upper

64 100

66 29.9 25.4 38.0



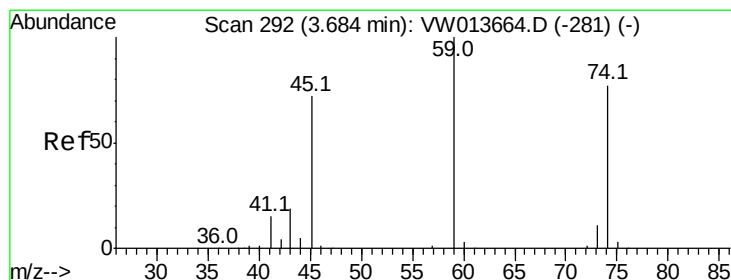
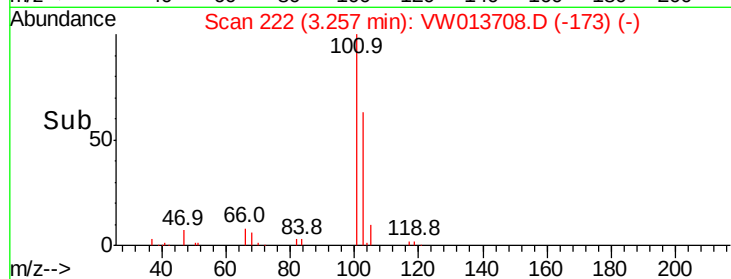
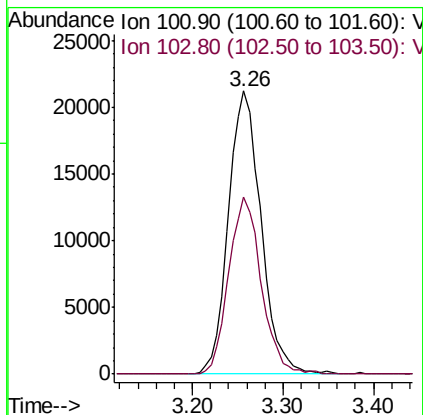
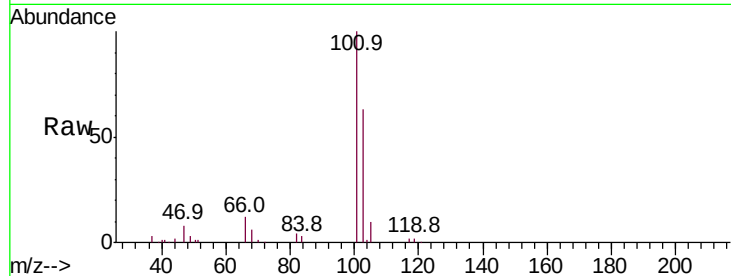


#7

Trichlorofluoromethane
 Concen: 41.276 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :

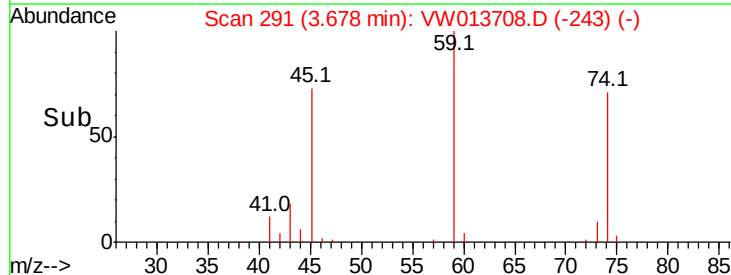
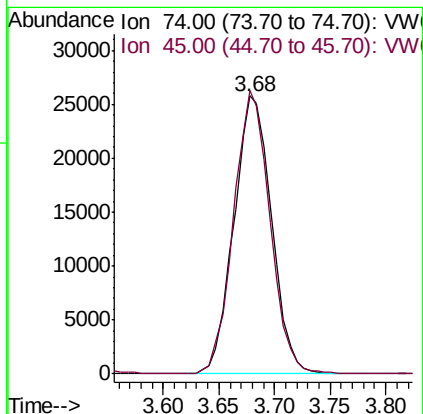
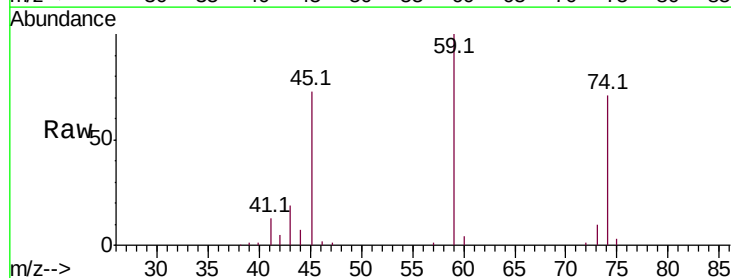
Tot Ion:101 Resp: 52941
 Ion Ratio Lower Upper
 101 100
 103 62.8 50.6 76.0

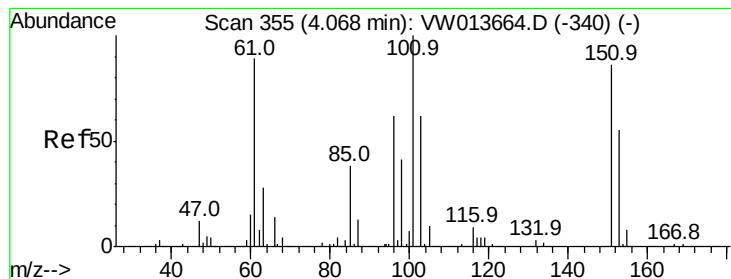


#8

Diethyl Ether
 Concen: 58.229 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

Tgt Ion: 74 Resp: 60339
 Ion Ratio Lower Upper
 74 100
 45 98.8 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.772 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

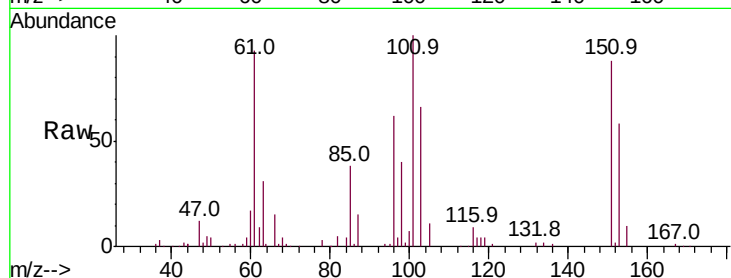
Tot Ion:101 Resp: 105864

Ion Ratio Lower Upper

101 100

85 41.8 31.0 46.6

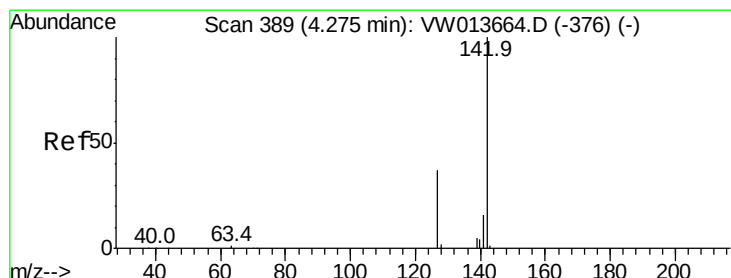
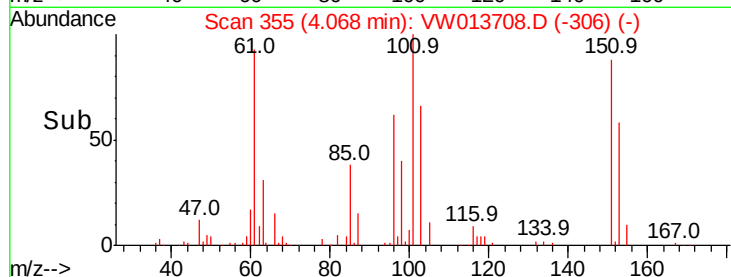
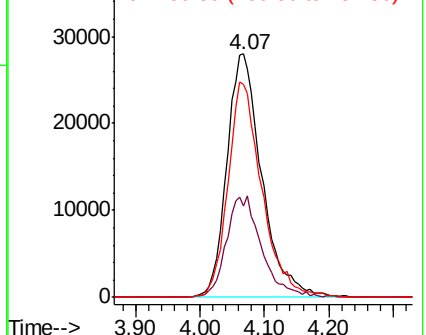
151 86.0 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.878 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

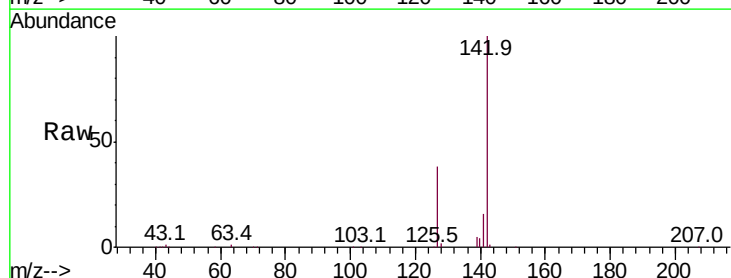
Tgt Ion:142 Resp: 172872

Ion Ratio Lower Upper

142 100

127 38.3 30.3 45.5

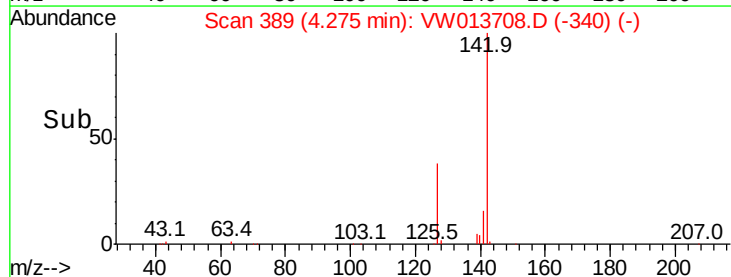
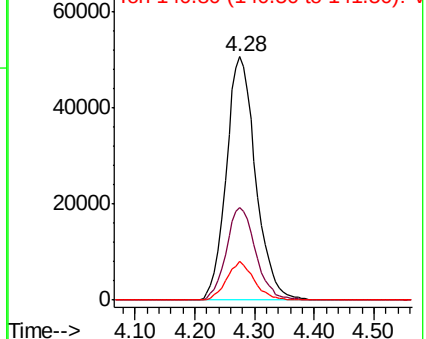
141 14.8 11.8 17.8

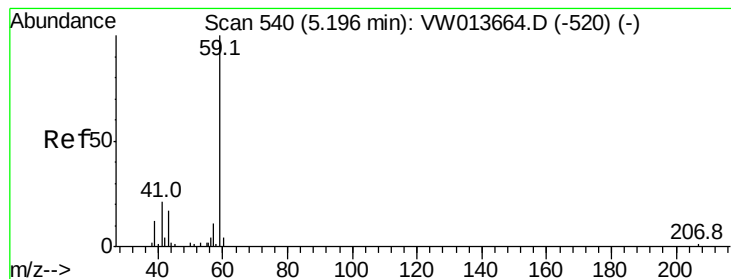


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 386.386 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.04 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

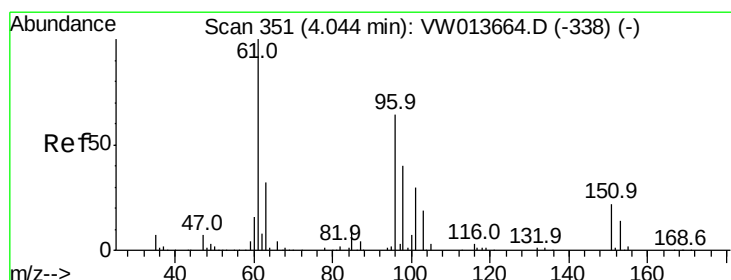
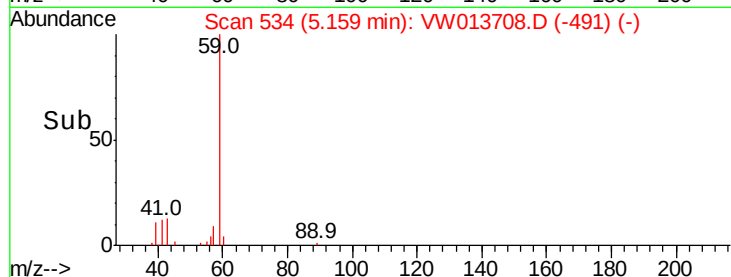
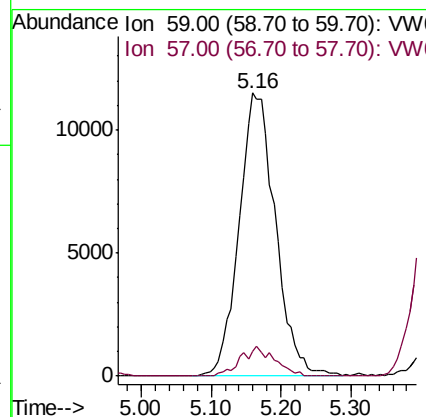
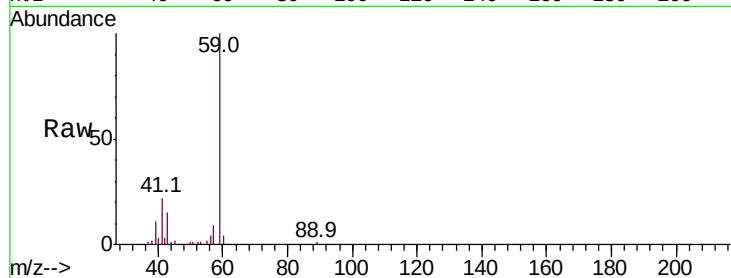
ClientSampled :

Tot Ion: 59 Resp: 41555

Ion Ratio Lower Upper

59 100

57 9.7 8.8 13.2



#12

1,1-Dichloroethene

Concen: 49.783 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

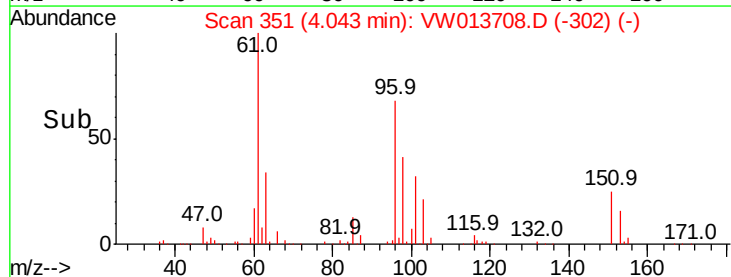
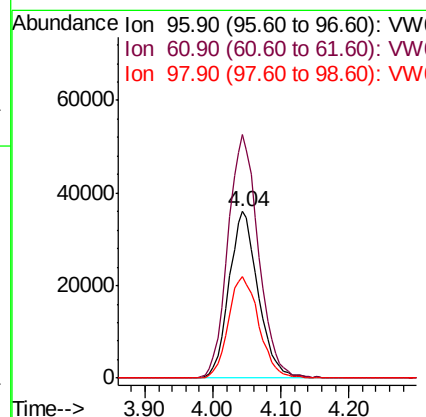
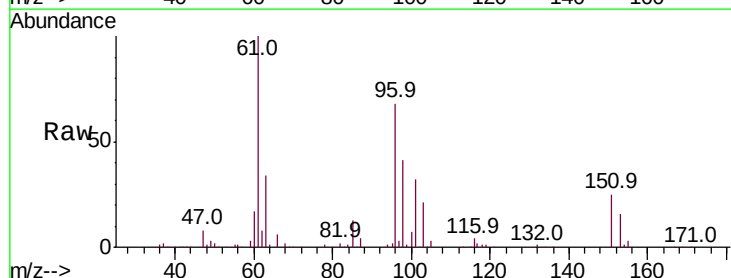
Tgt Ion: 96 Resp: 107224

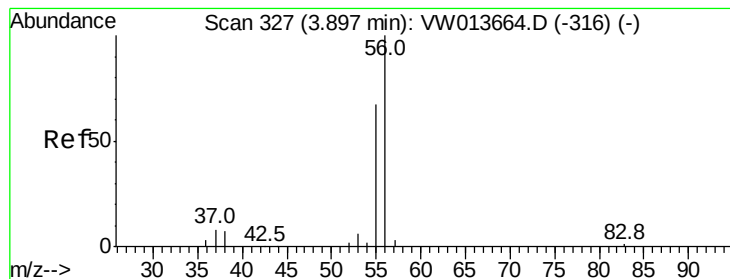
Ion Ratio Lower Upper

96 100

61 146.2 125.0 187.6

98 60.7 50.3 75.5





#13

Acrolein

Concen: 247.010 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

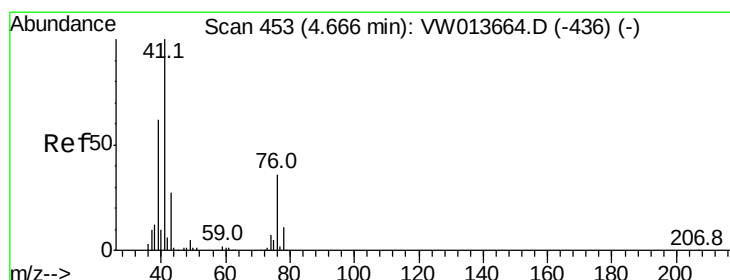
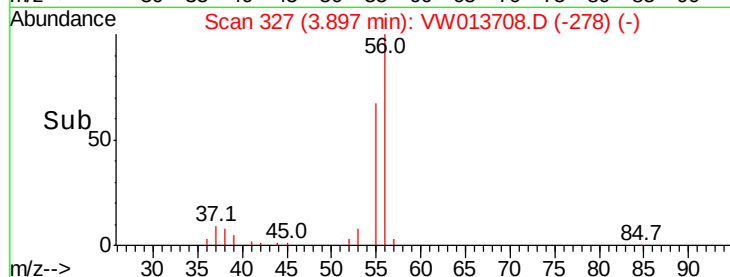
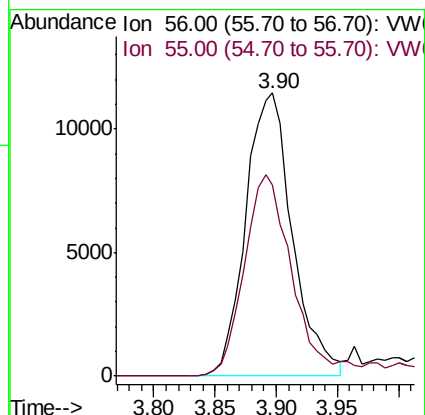
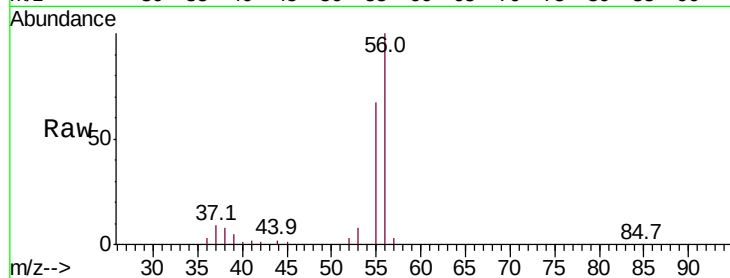
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 30435

Ion Ratio Lower Upper

56 100

55 73.3 56.1 84.1



#14

Allyl chloride

Concen: 50.941 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

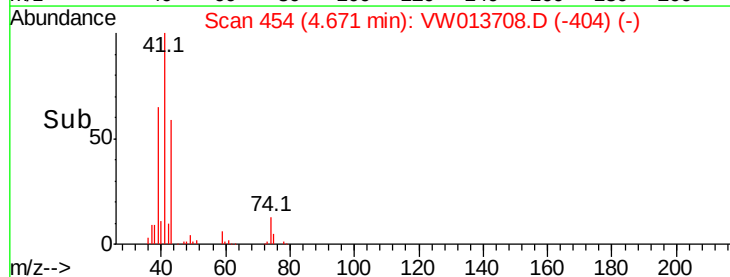
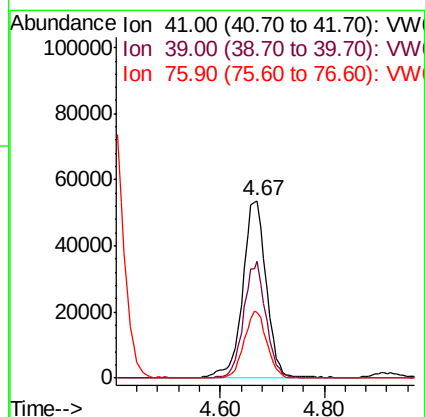
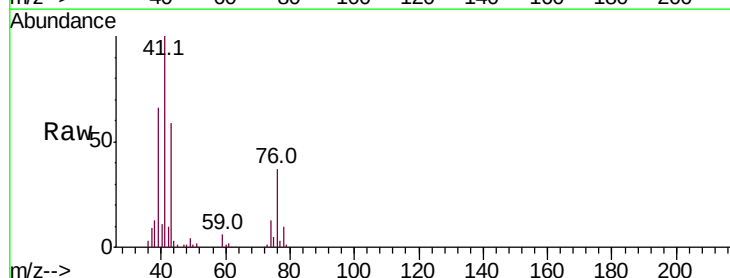
Tgt Ion: 41 Resp: 168708

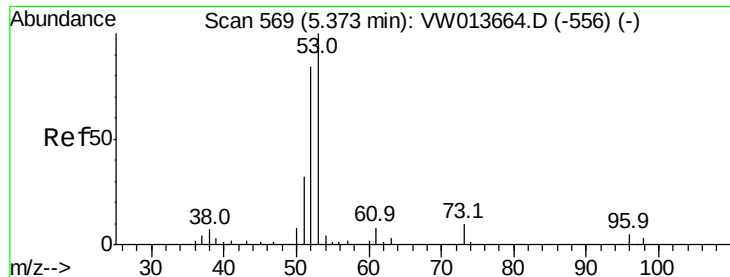
Ion Ratio Lower Upper

41 100

39 61.6 50.0 75.0

76 35.7 29.6 44.4





#15

Acrylonitrile

Concen: 378.895 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

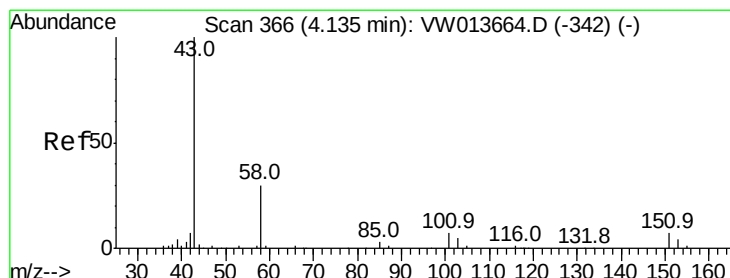
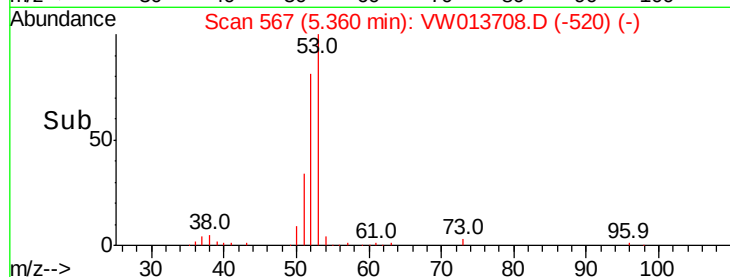
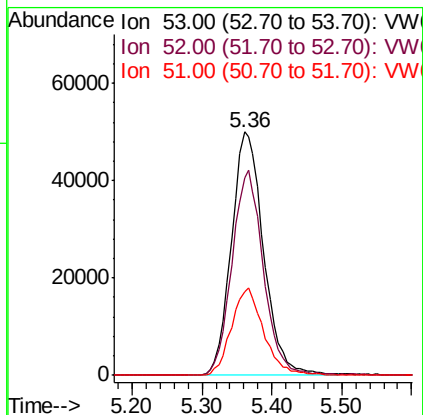
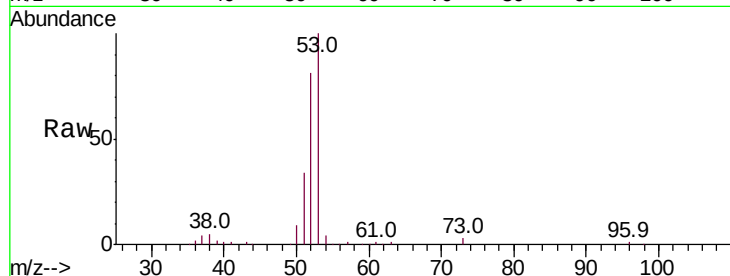
Tot Ion: 53 Resp: 159650

Ion Ratio Lower Upper

53 100

52 81.9 67.4 101.0

51 36.2 29.1 43.7



#16

Acetone

Concen: 323.326 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW013708.D

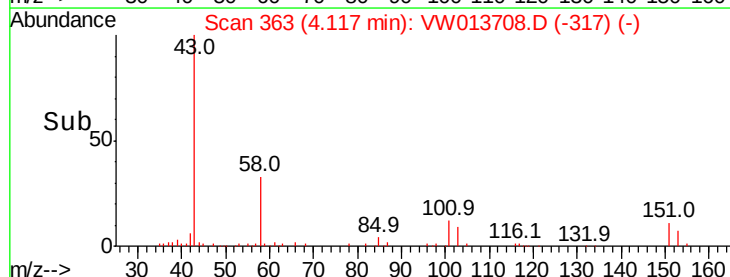
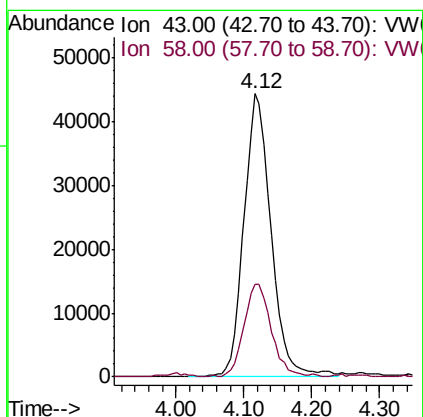
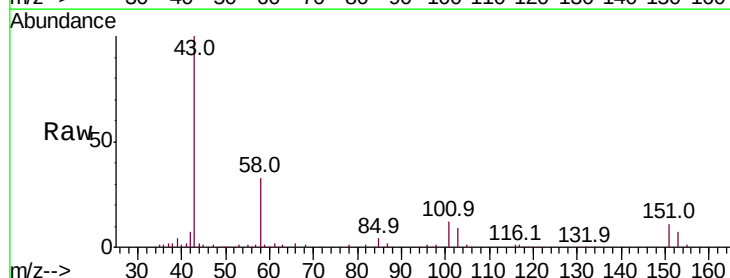
Acq: 24 Oct 2019 10:29

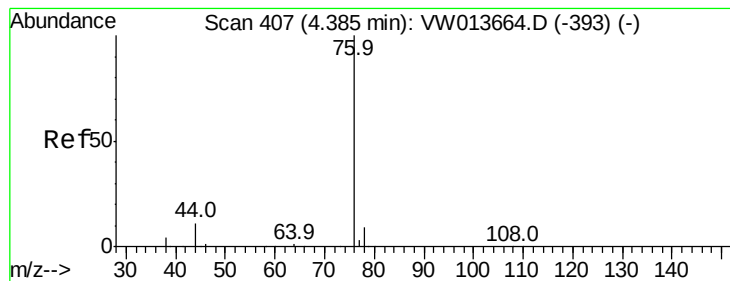
Tgt Ion: 43 Resp: 123505

Ion Ratio Lower Upper

43 100

58 32.2 24.1 36.1





#17

Carbon Disulfide

Concen: 48.527 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

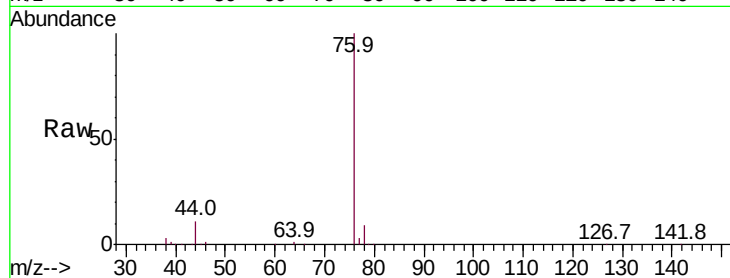
ClientSampled :

Tot Ion: 76 Resp: 300167

Ion Ratio Lower Upper

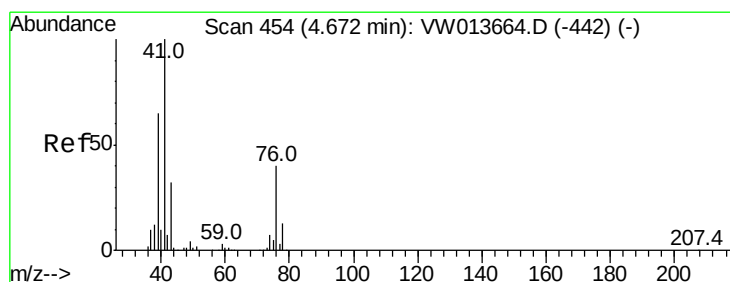
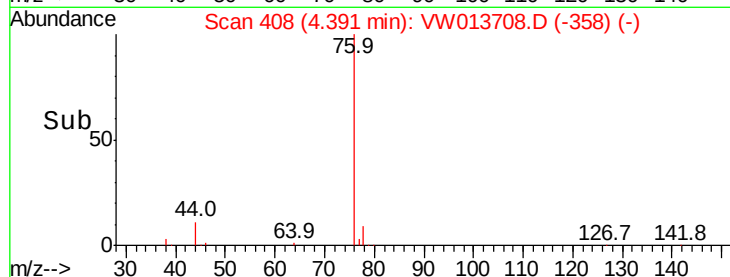
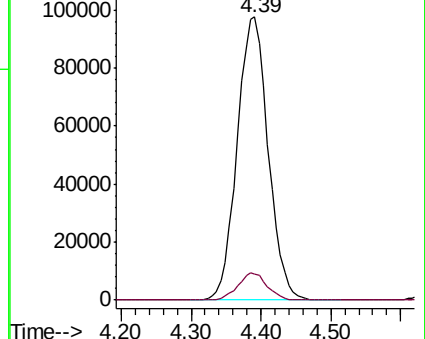
76 100

78 9.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 90.563 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013708.D

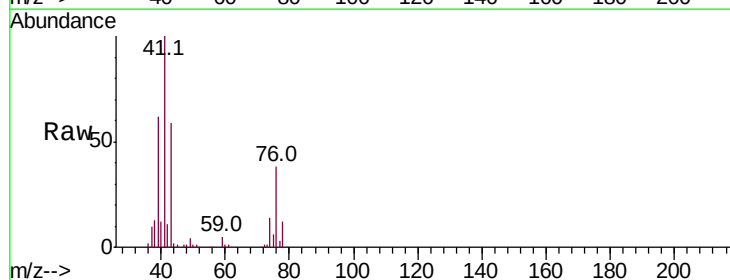
Acq: 24 Oct 2019 10:29

Tgt Ion: 43 Resp: 94829

Ion Ratio Lower Upper

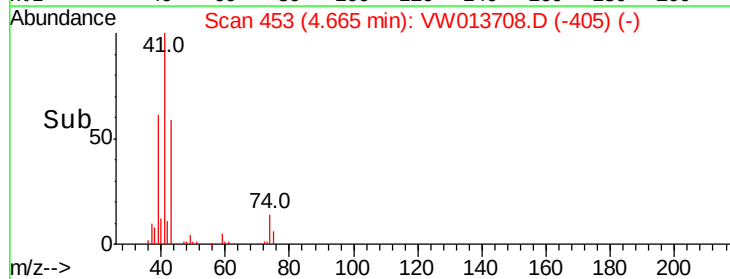
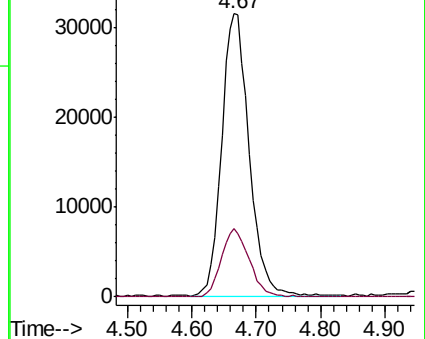
43 100

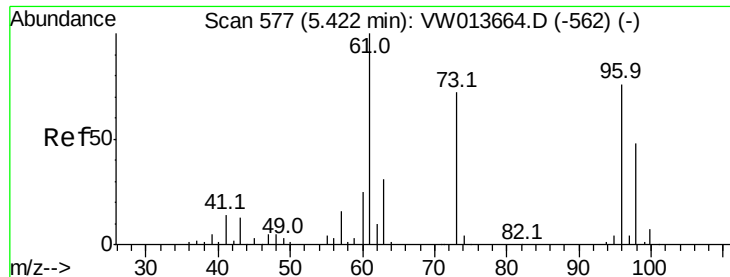
74 24.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

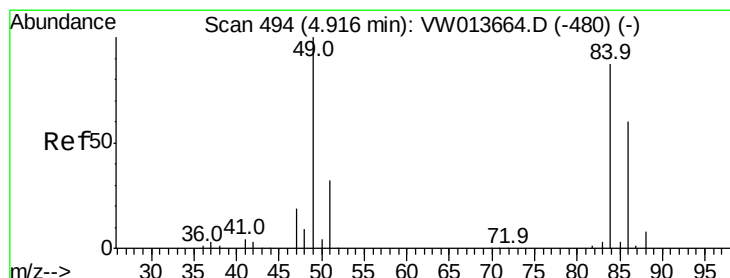
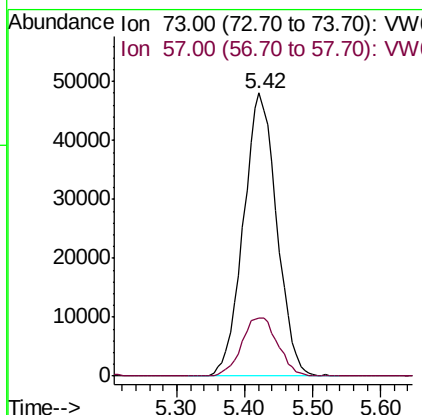
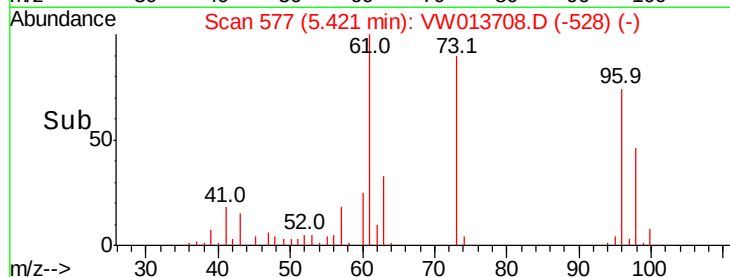
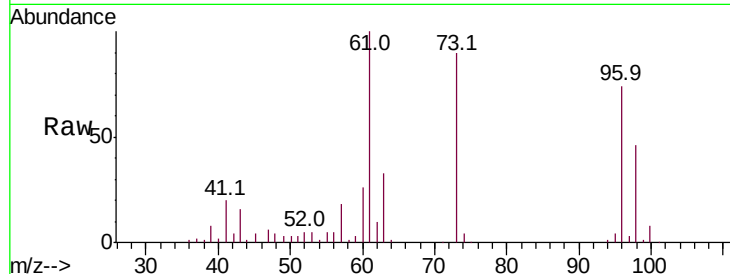




#19
Methyl tert-butyl Ether
Concen: 63.510 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

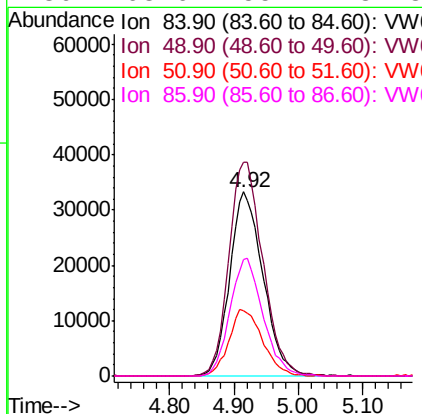
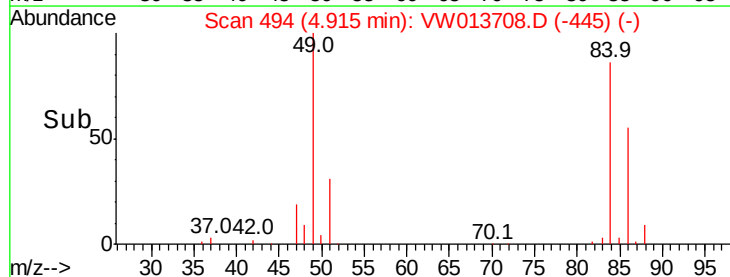
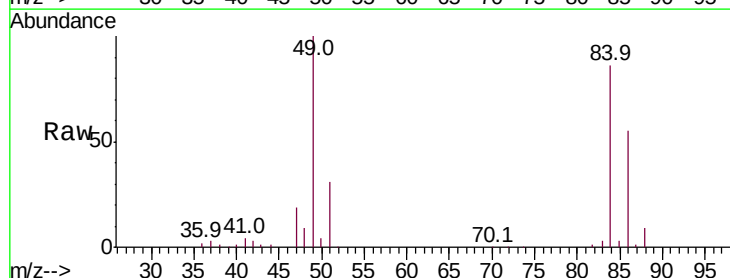
Instrument :
MSVOA_W
ClientSampled :

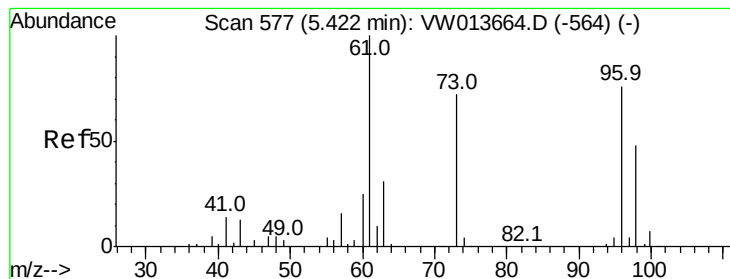
Tot Ion: 73 Resp: 164148
Ion Ratio Lower Upper
73 100
57 20.3 17.6 26.4



#20
Methylene Chloride
Concen: 57.979 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Tgt Ion: 84 Resp: 120258
Ion Ratio Lower Upper
84 100
49 116.2 91.8 137.6
51 35.6 29.8 44.6
86 63.6 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 51.463 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :

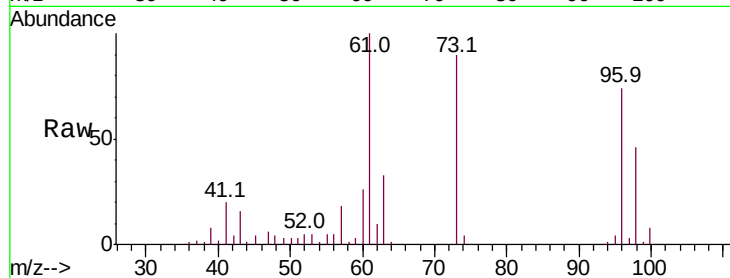
Tot Ion: 96 Resp: 119299

Ion Ratio Lower Upper

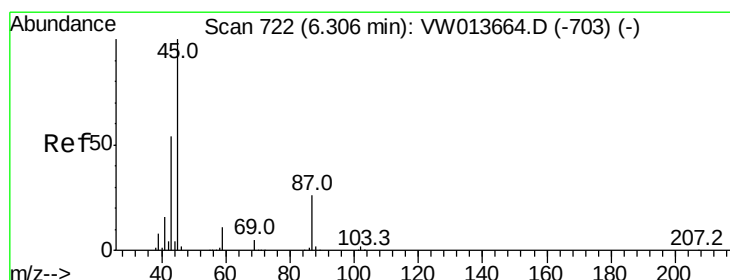
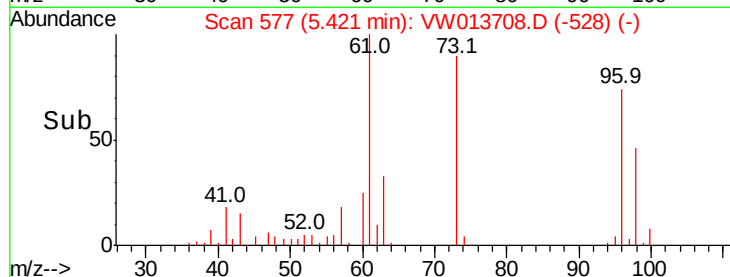
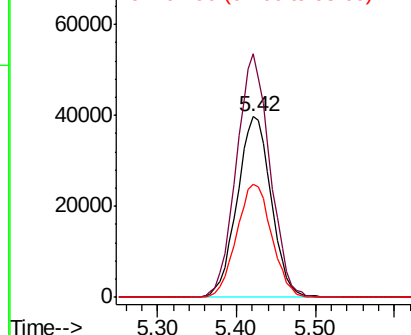
96 100

61 134.7 104.8 157.2

98 62.3 50.6 76.0



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



#22

Diisopropyl ether

Concen: 55.586 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Tgt Ion: 45 Resp: 335804

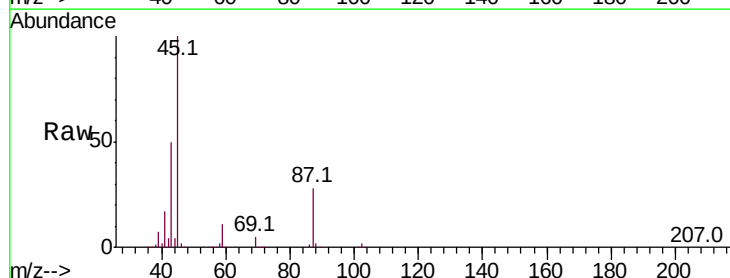
Ion Ratio Lower Upper

45 100

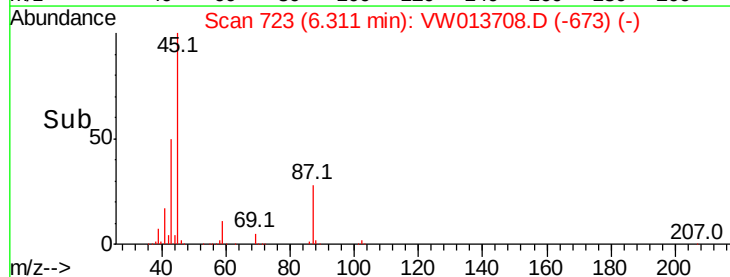
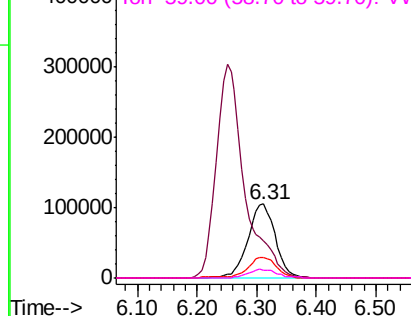
43 49.9 43.4 65.2

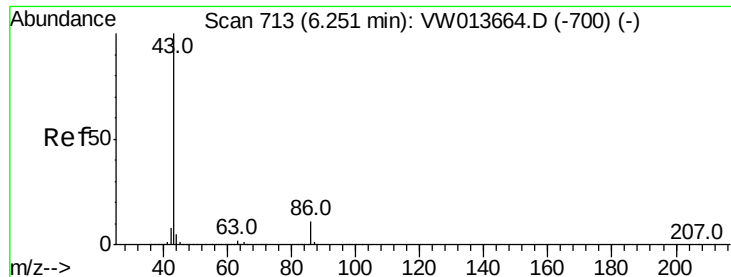
87 28.3 21.5 32.3

59 11.2 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 285.214 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

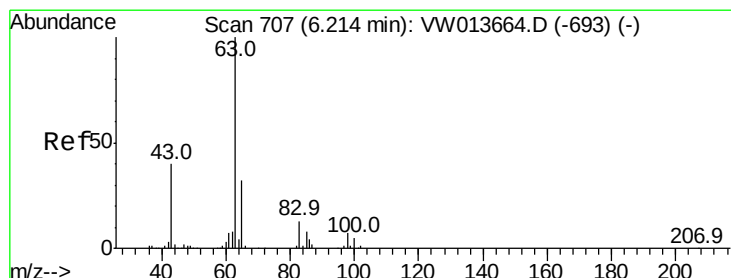
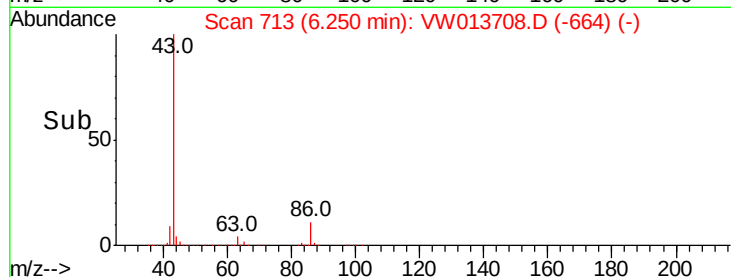
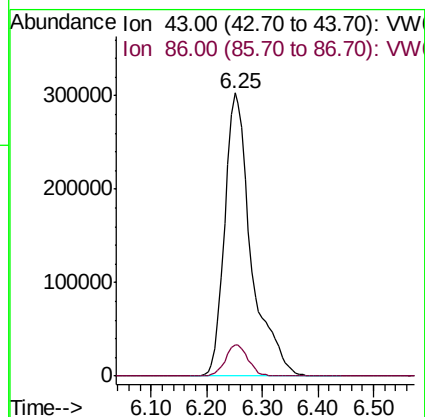
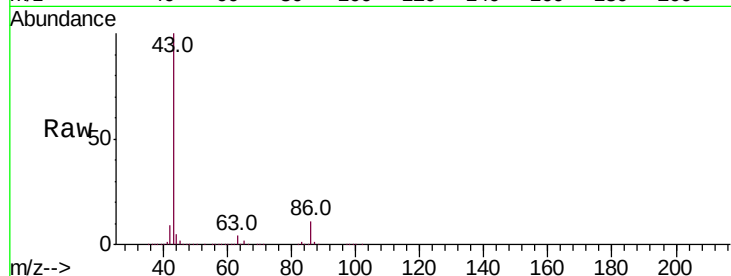
ClientSampleId :

Tot Ion: 43 Resp: 999760

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.6



#24

1,1-Dichloroethane

Concen: 52.976 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

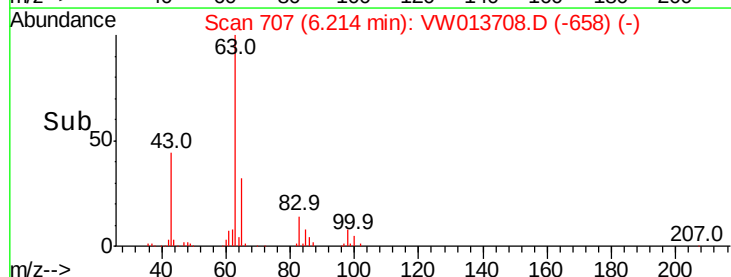
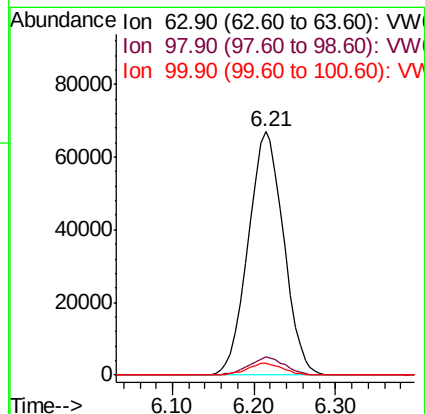
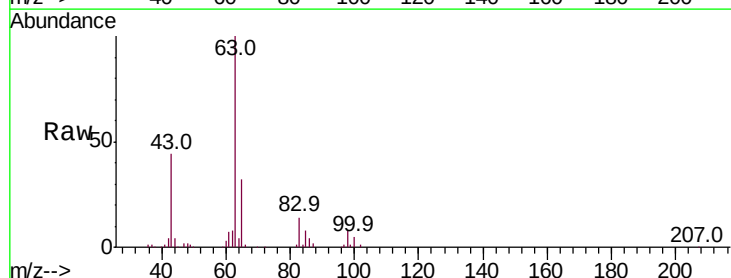
Tgt Ion: 63 Resp: 202683

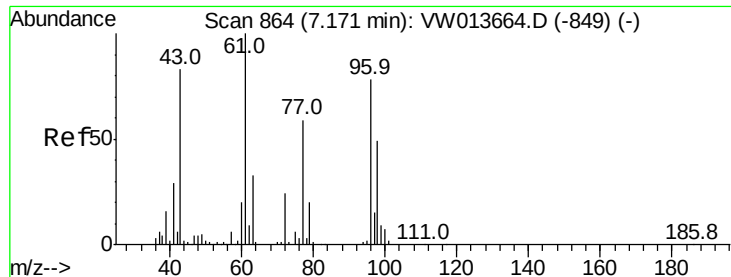
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

100 5.1 2.5 7.4





#25

2-Butanone

Concen: 371.955 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

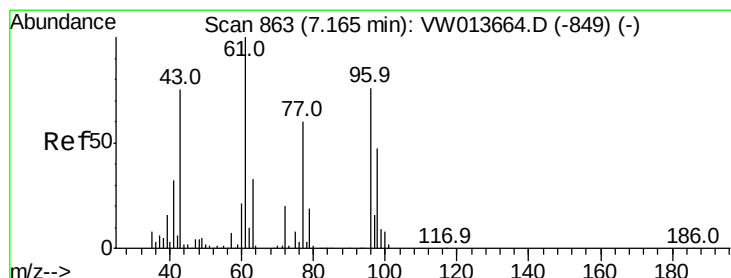
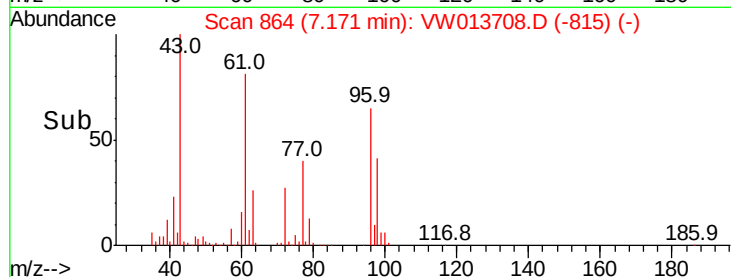
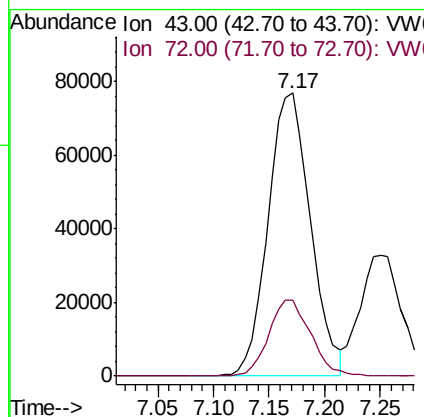
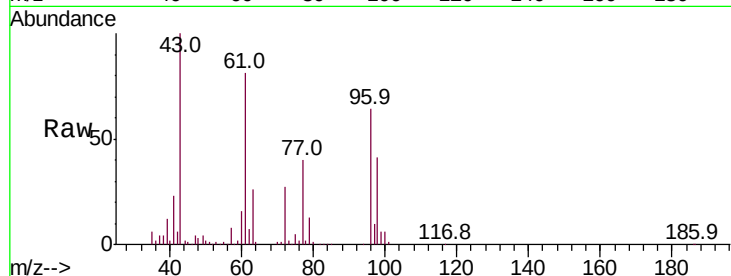
ClientSampled :

Tot Ion: 43 Resp: 204268

Ion Ratio Lower Upper

43 100

72 26.8 23.6 35.4



#26

2,2-Dichloropropane

Concen: 42.616 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013708.D

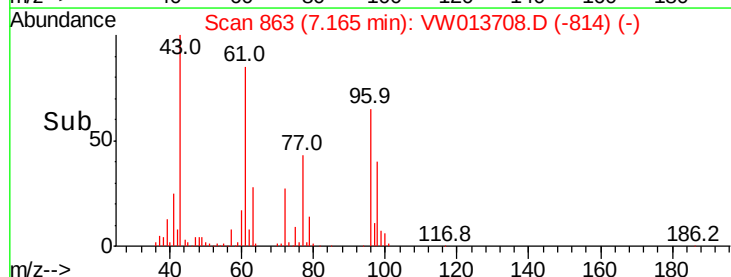
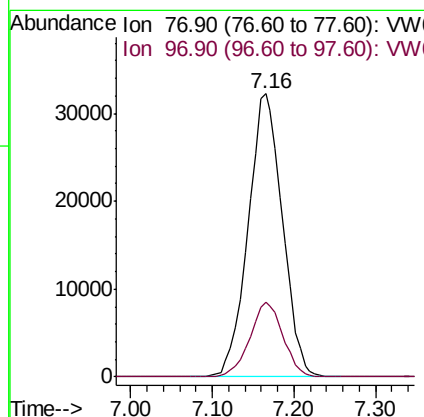
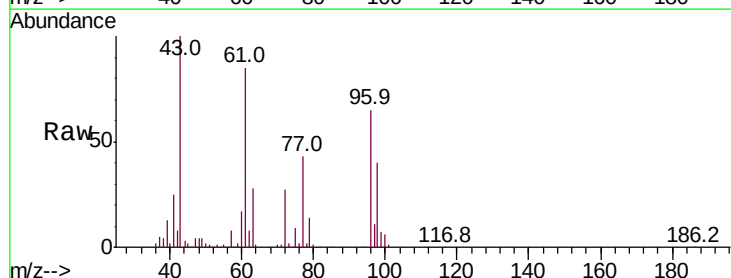
Acq: 24 Oct 2019 10:29

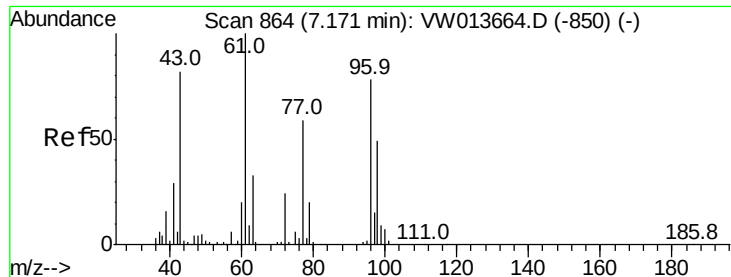
Tgt Ion: 77 Resp: 94284

Ion Ratio Lower Upper

77 100

97 25.4 12.8 38.4

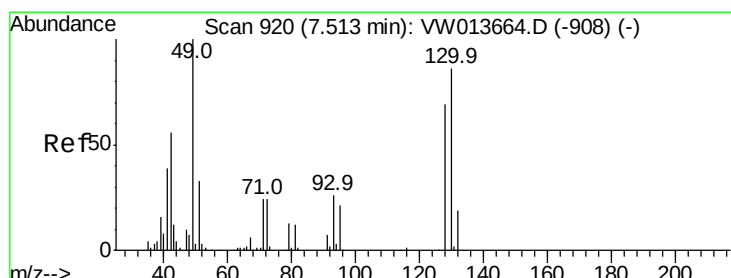
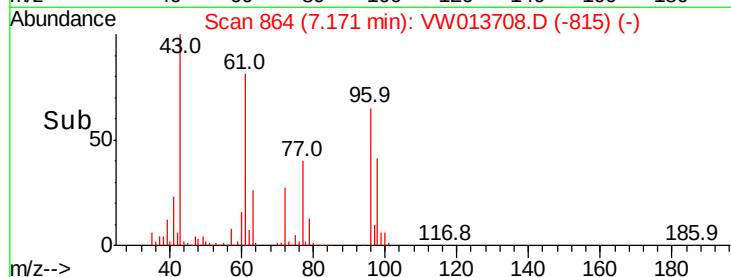
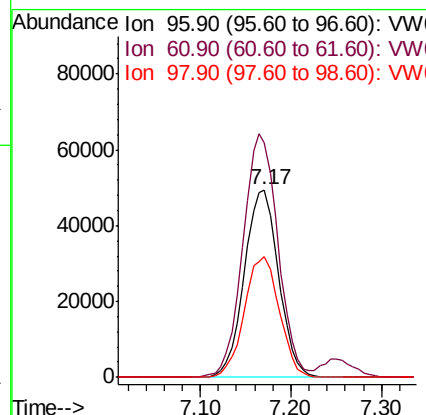
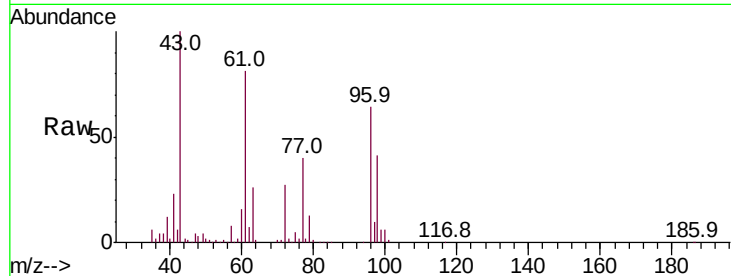




#27
 cis-1,2-Dichloroethene
 Concen: 52.965 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

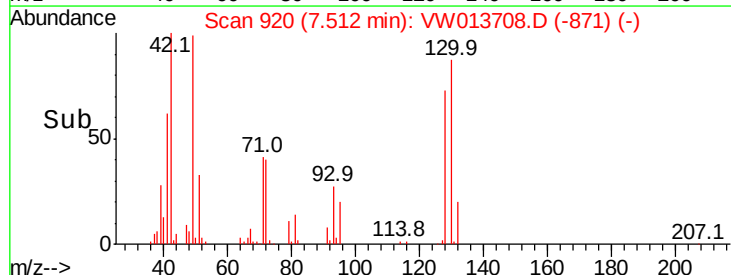
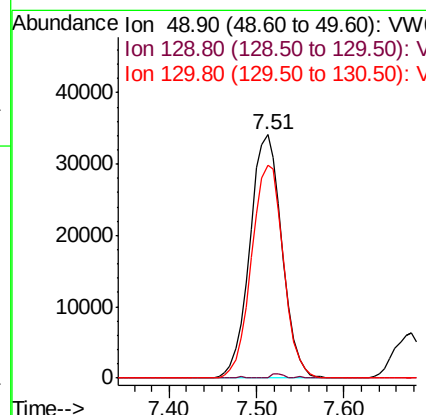
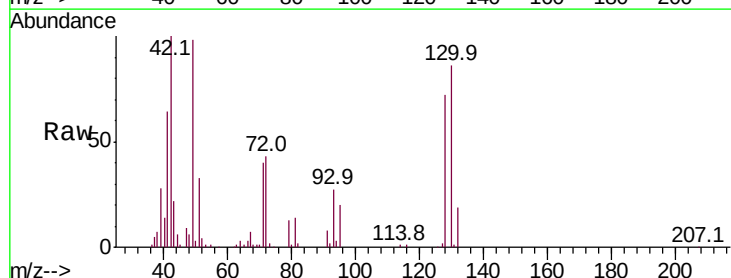
Instrument :
 MSVOA_W
 ClientSampleId :

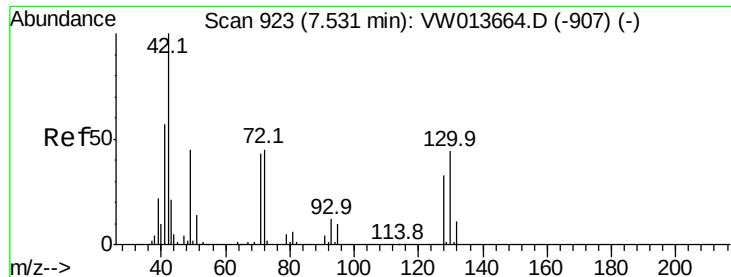
Tot Ion: 96 Resp: 130412
 Ion Ratio Lower Upper
 96 100
 61 132.1 0.0 266.0
 98 65.2 0.0 126.8



#28
 Bromochloromethane
 Concen: 63.249 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

Tgt Ion: 49 Resp: 86715
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 0.6#
 130 87.4 67.5 101.3

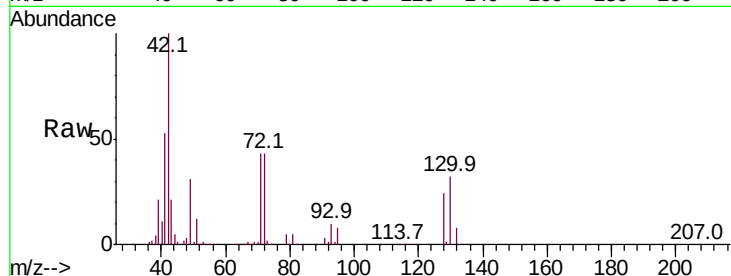




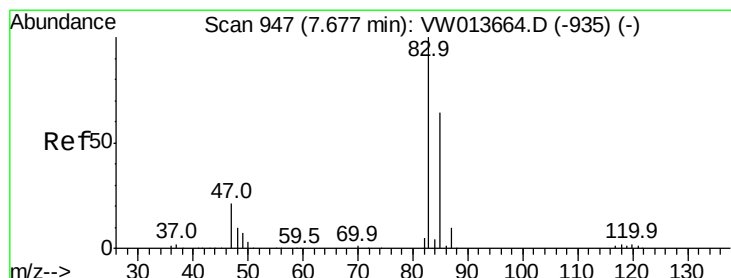
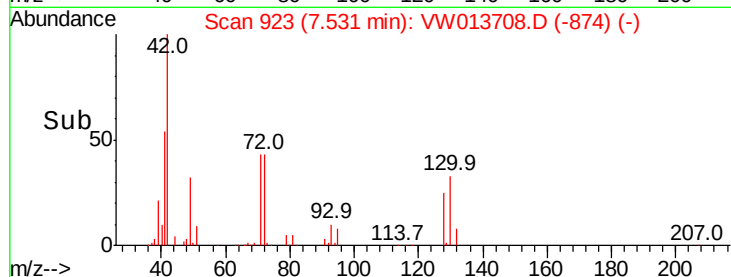
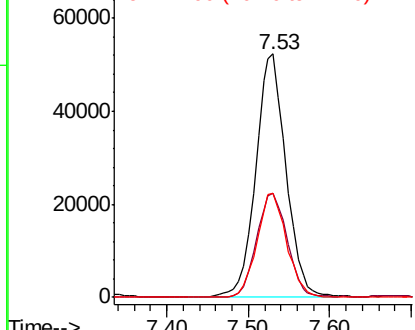
#29
Tetrahydrofuran
Concen: 398.079 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.3	52.9
71	42.1	33.3	49.9

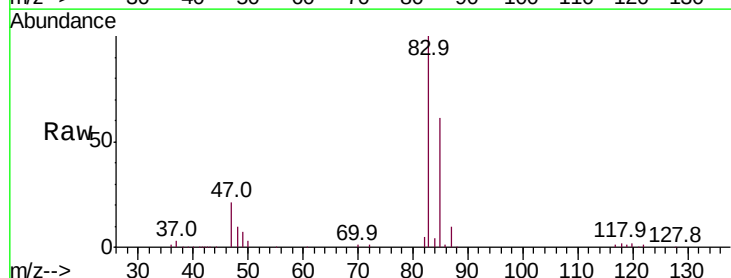


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

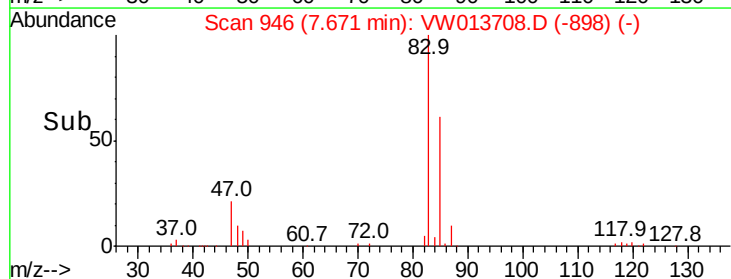
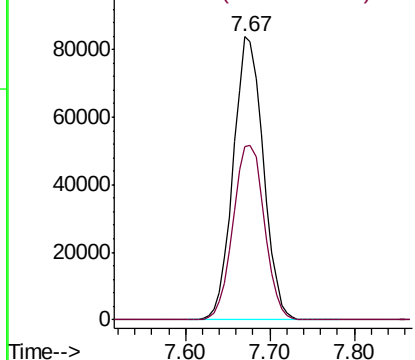


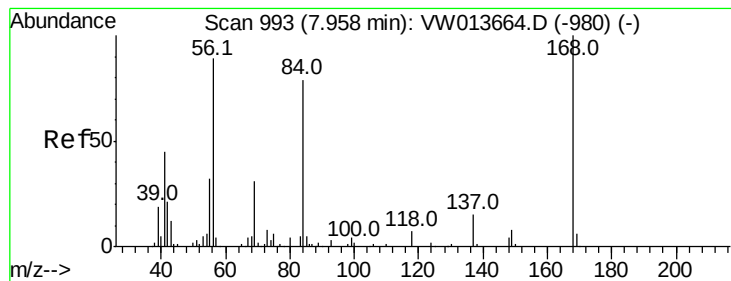
#30
Chloroform
Concen: 53.217 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.4	77.2



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





#31

Cyclohexane

Concen: 47.416 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :
MSVOA_W
ClientSampled :

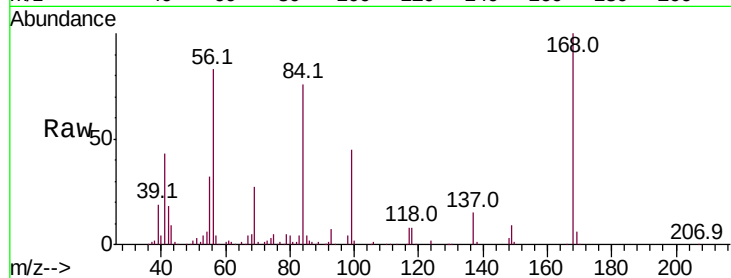
Tot Ion: 56 Resp: 189849

Ion Ratio Lower Upper

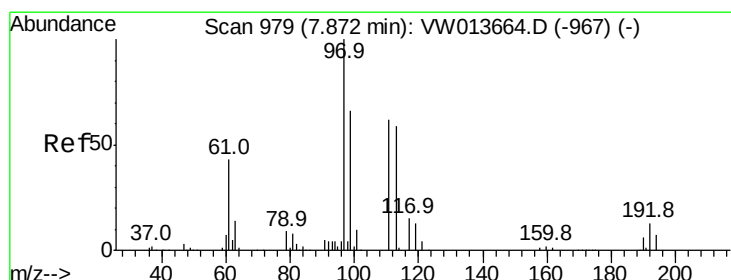
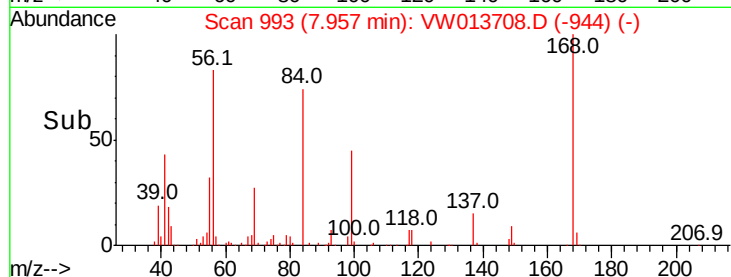
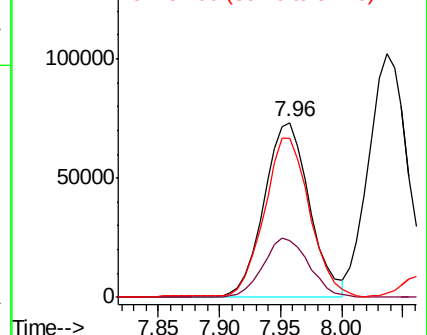
56 100

69 32.4 27.5 41.3

84 90.0 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: 52.697 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

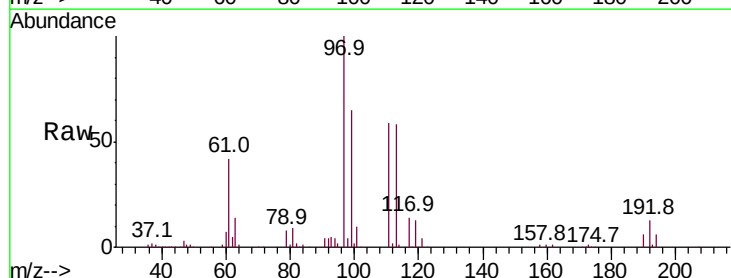
Tgt Ion: 97 Resp: 156405

Ion Ratio Lower Upper

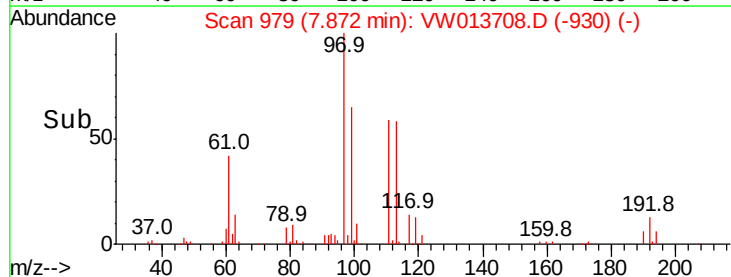
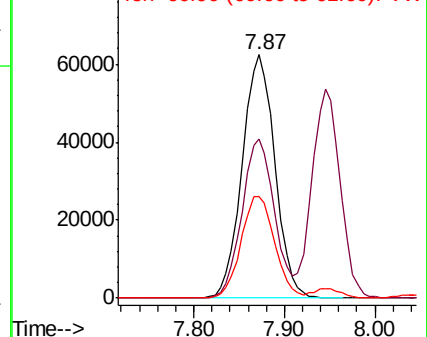
97 100

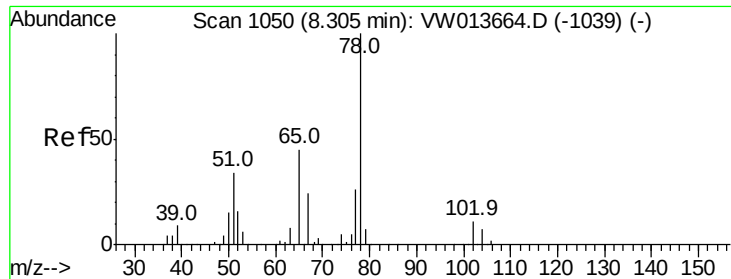
99 64.8 52.0 78.0

61 42.8 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

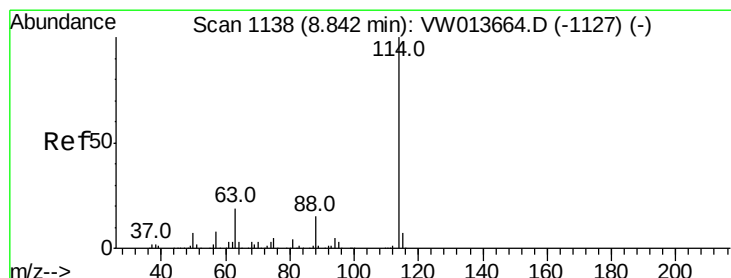
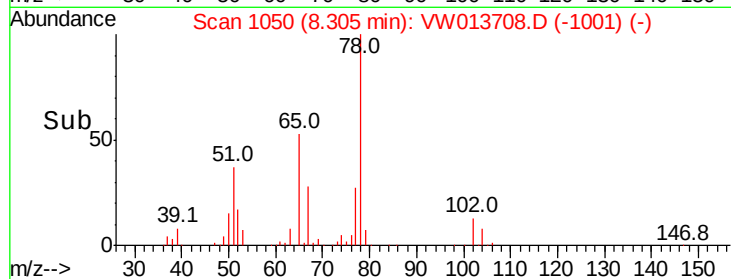
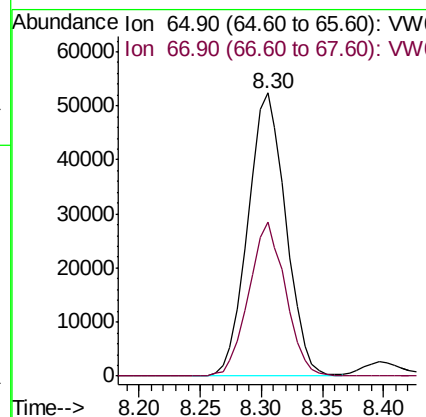
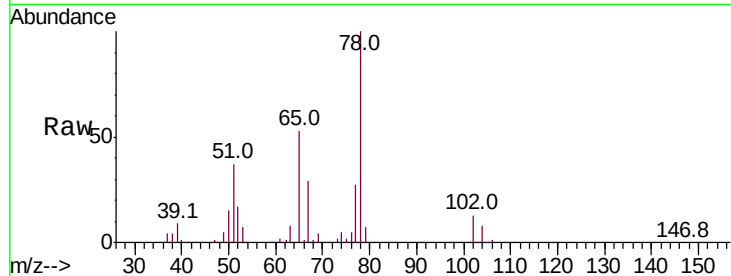




#33
 1,2-Dichloroethane-d4
 Concen: 62.867 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

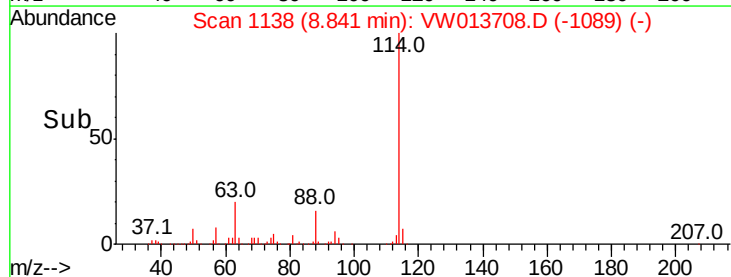
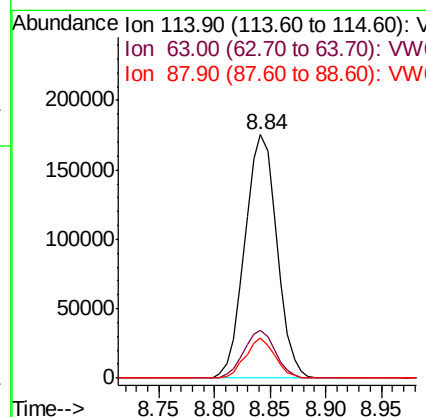
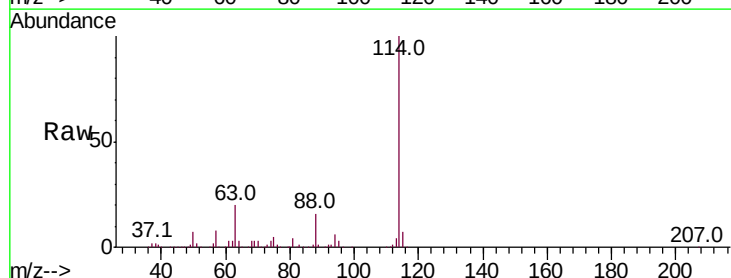
Instrument :
 MSVOA_W
 ClientSampled :

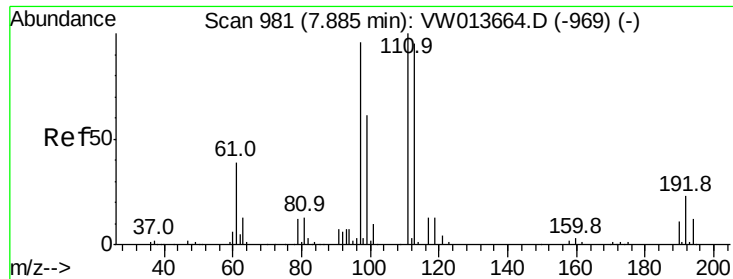
Tot Ion: 65 Resp: 113258
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

Tgt Ion:114 Resp: 351531
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 37.6
 88 16.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 55.751 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :

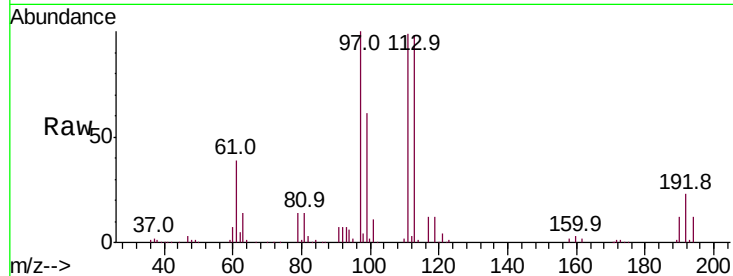
Tot Ion:113 Resp: 108899

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.6
192	23.8	19.4	29.2

113 100

111 102.7 83.0 124.6

192 23.8 19.4 29.2

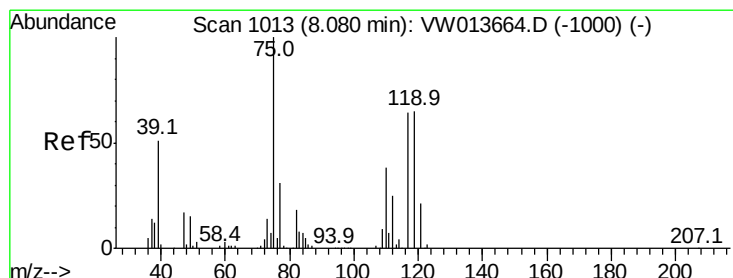
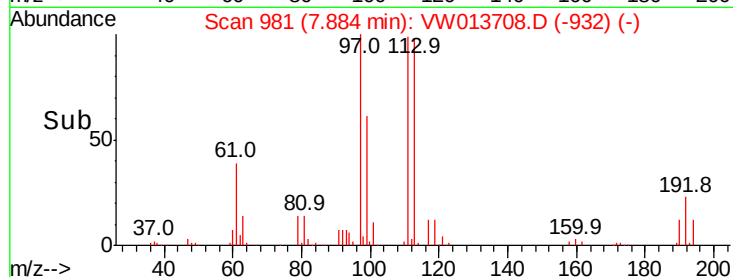
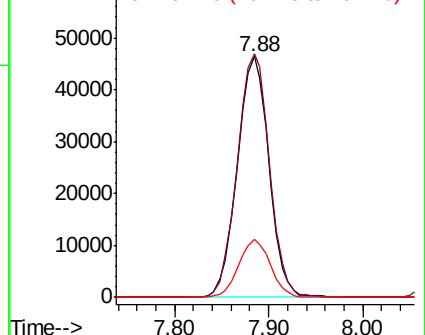


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.779 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

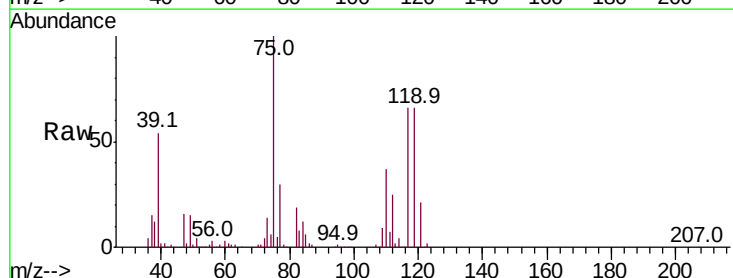
Tgt Ion: 75 Resp: 162967

Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.7	56.1
77	30.7	25.4	38.0

75 100

110 36.4 18.7 56.1

77 30.7 25.4 38.0

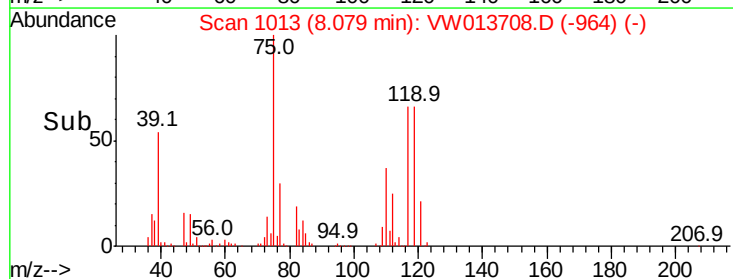
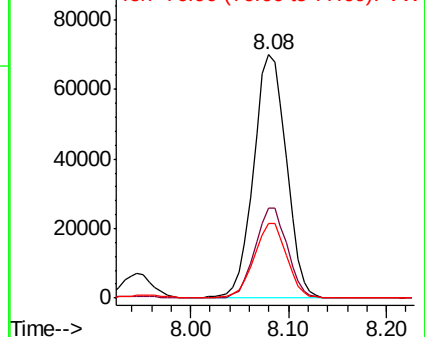


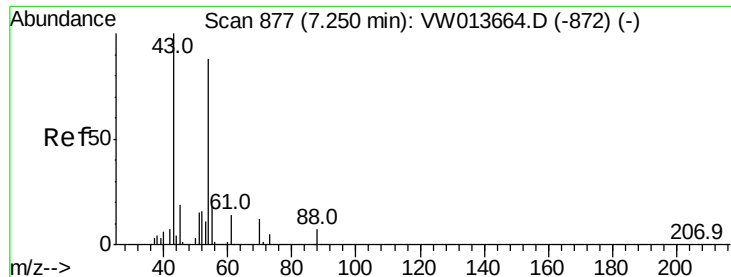
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

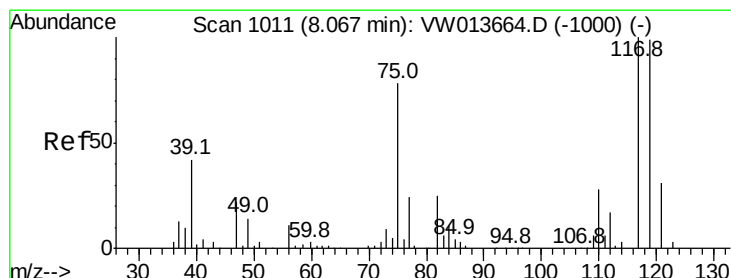
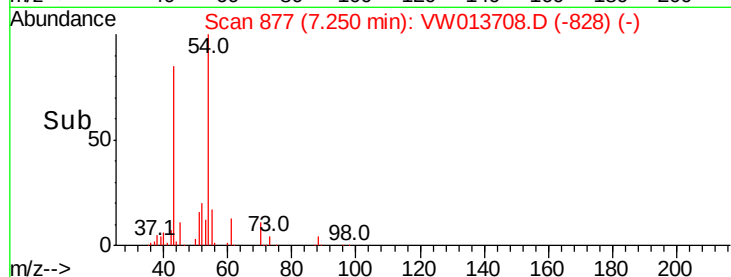
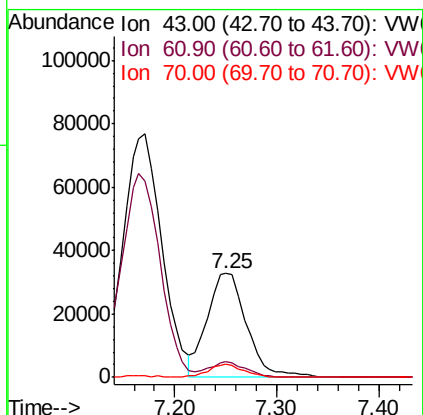
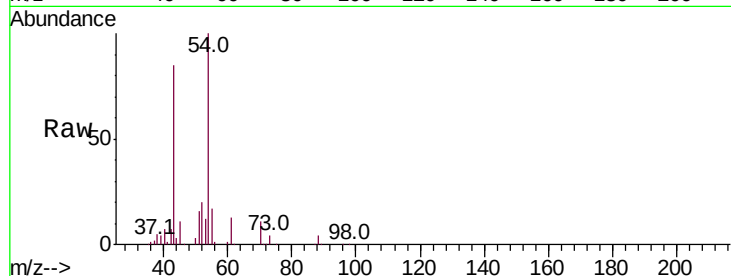




#37
Ethyl Acetate
Concen: 69.696 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

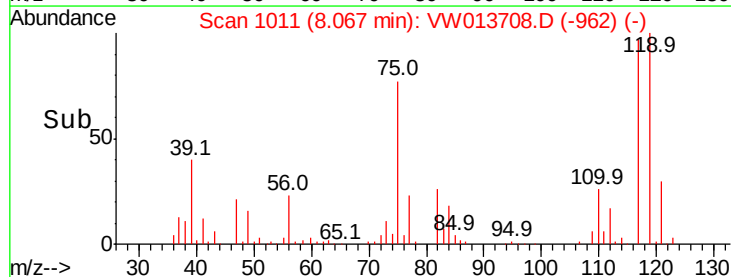
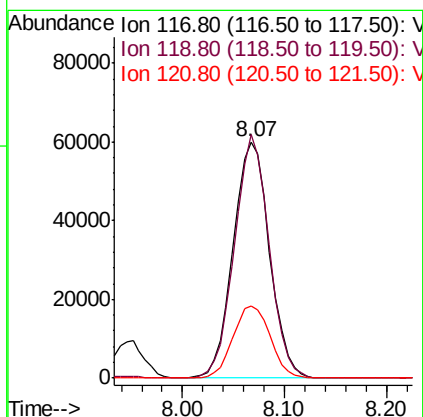
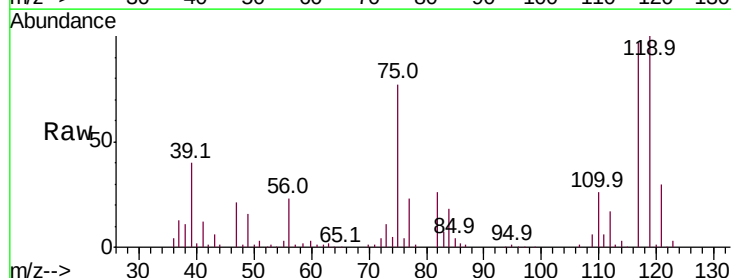
Instrument :
MSVOA_W
ClientSampled :

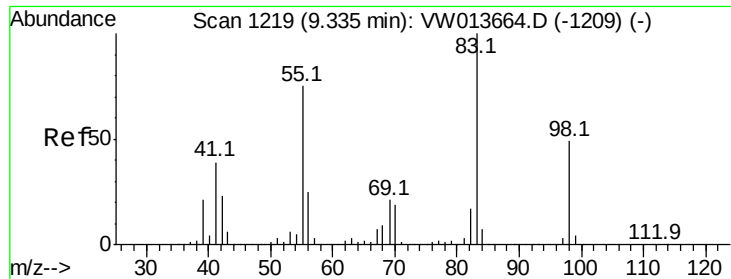
Tot Ion: 43 Resp: 87344
Ion Ratio Lower Upper
43 100
61 13.8 11.7 17.5
70 11.7 8.8 13.2



#38
Carbon Tetrachloride
Concen: 50.119 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Tgt Ion: 117 Resp: 147755
Ion Ratio Lower Upper
117 100
119 103.2 79.0 118.4
121 30.8 24.5 36.7

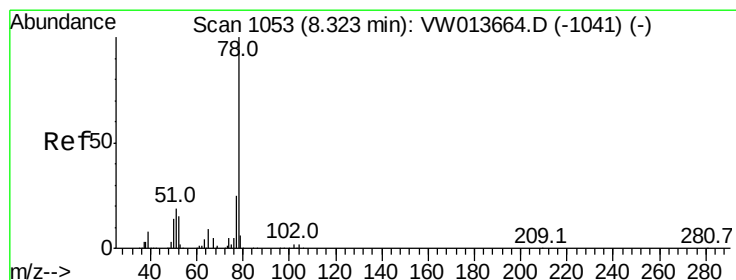
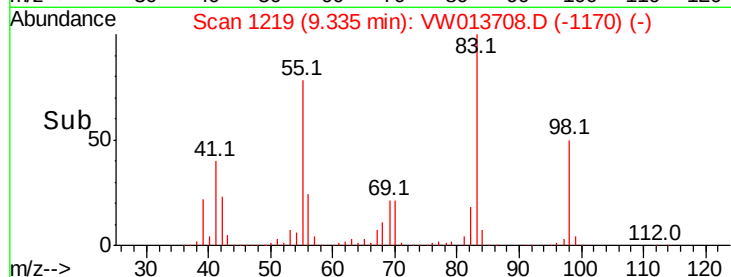
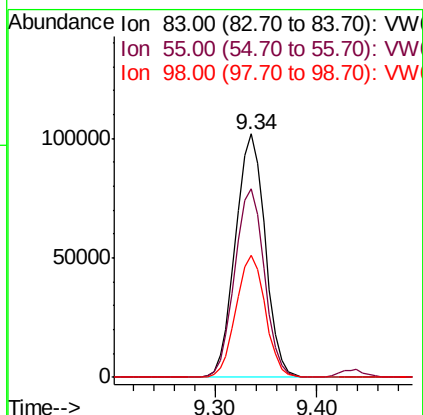
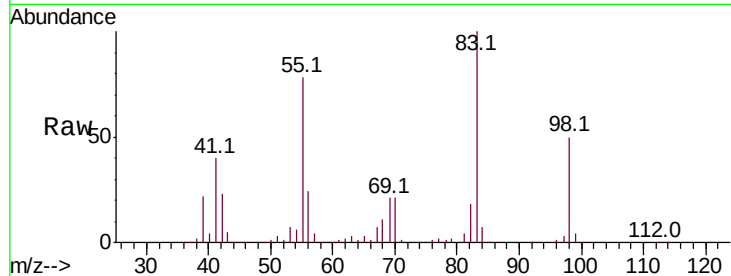




#39
Methylvlcyclohexane
Concen: 48.679 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

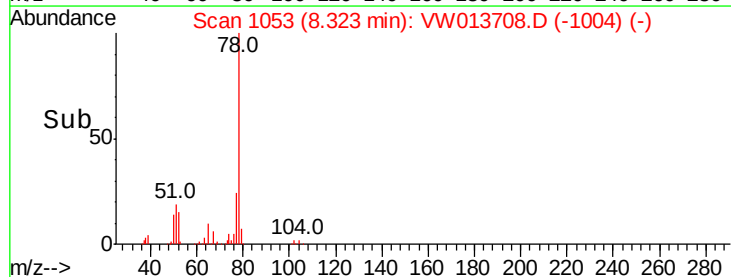
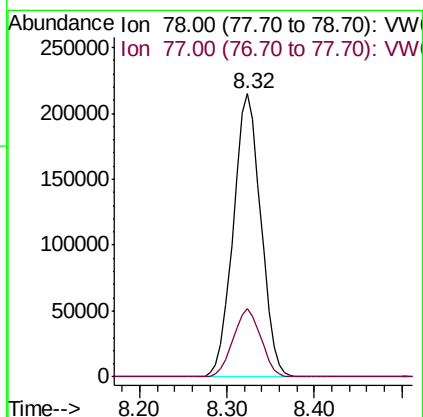
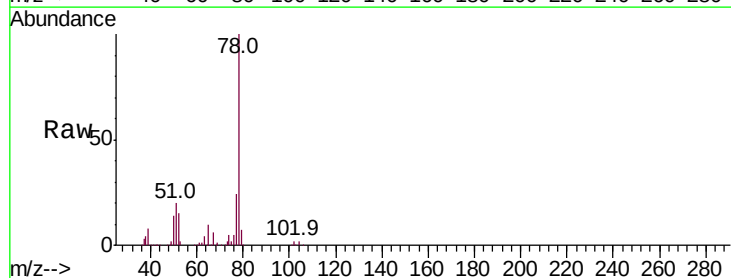
Instrument :
MSVOA_W
ClientSampled :

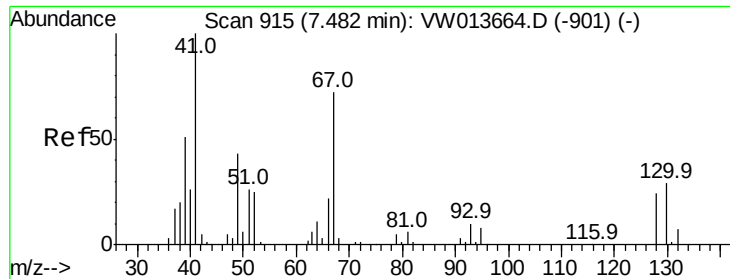
Tot Ion: 83 Resp: 205808
Ion Ratio Lower Upper
83 100
55 77.7 59.9 89.9
98 50.3 39.4 59.2



#40
Benzene
Concen: 50.885 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Tgt Ion: 78 Resp: 471449
Ion Ratio Lower Upper
78 100
77 24.0 19.6 29.4

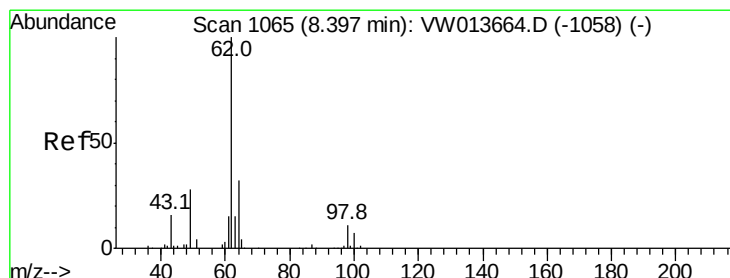
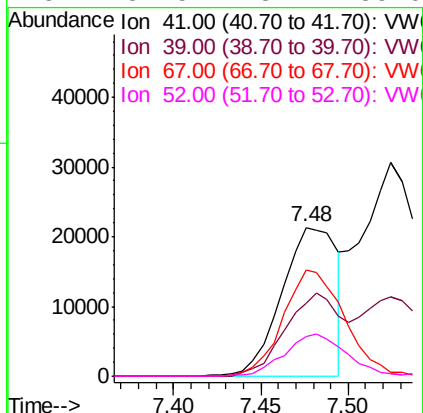
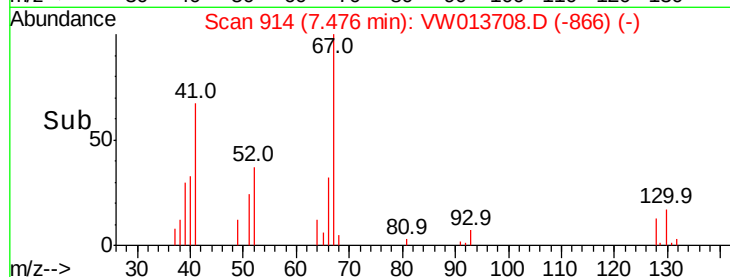
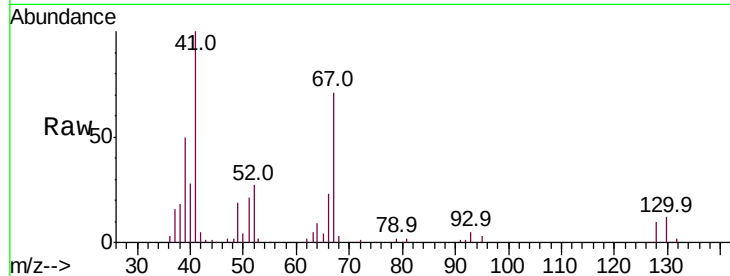




#41
Methacrylonitrile
Concen: 60.201 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

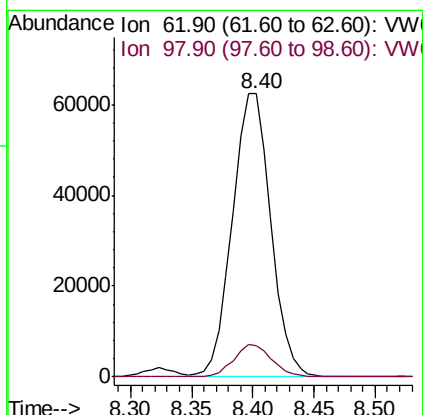
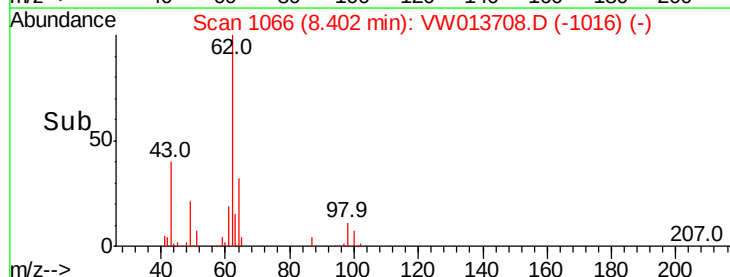
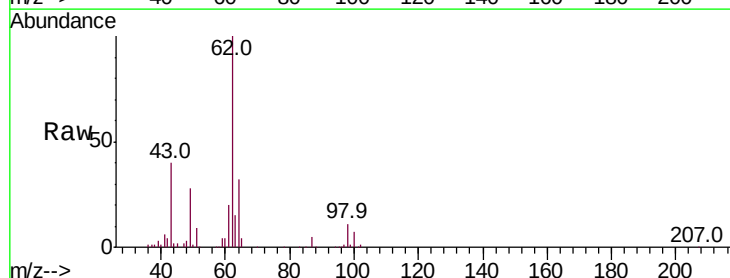
Instrument :
MSVOA_W
ClientSampleId :

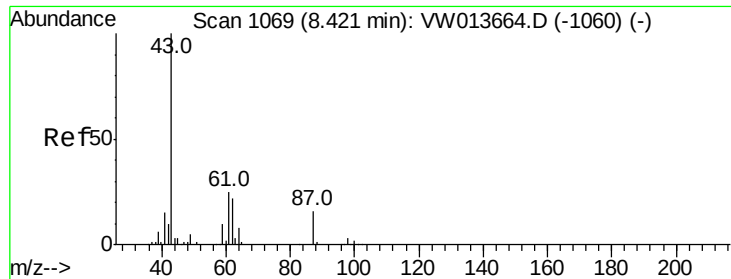
Tot Ion:	41	Resp:	47047
Ion	Ratio	Lower	Upper
41	100		
39	57.3	44.8	67.2
67	80.1	59.3	88.9
52	32.5	23.4	35.0



#42
1,2-Dichloroethane
Concen: 58.368 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Tgt Ion:	62	Resp:	136273
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	22.4





#43

Isopropyl Acetate

Concen: 66.005 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

ClientSampled :

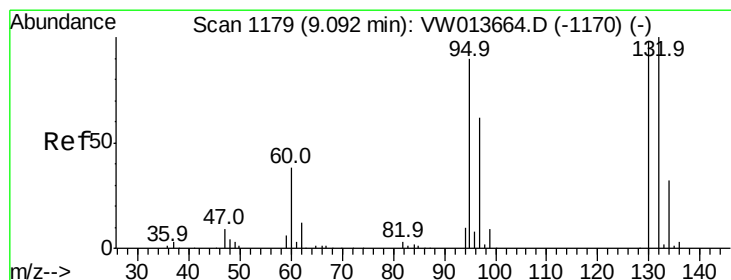
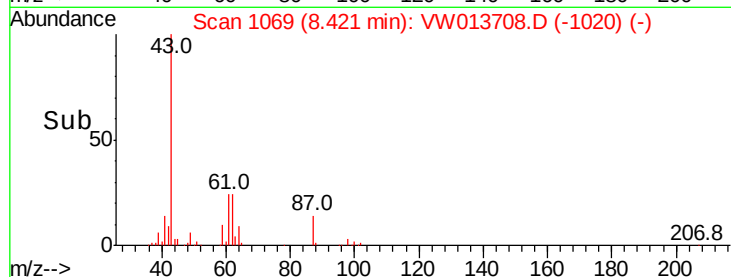
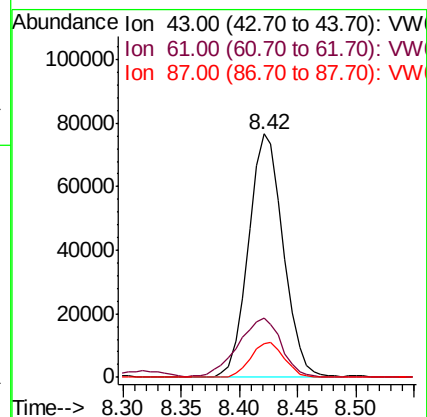
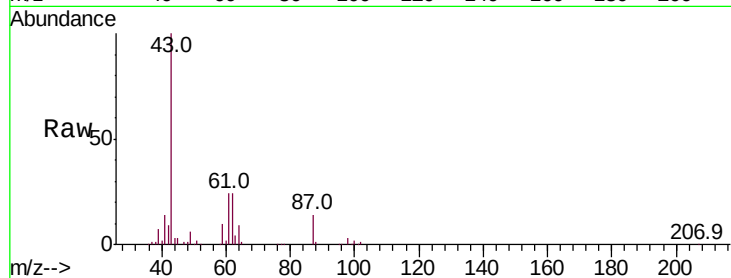
Tot Ion: 43 Resp: 158335

Ion Ratio Lower Upper

43 100

61 30.6 26.1 39.1

87 14.2 11.4 17.0



#44

Trichloroethene

Concen: 51.432 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013708.D

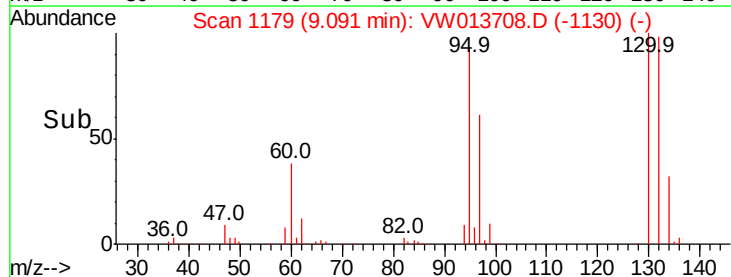
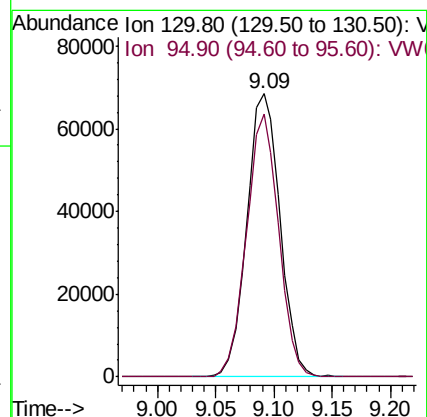
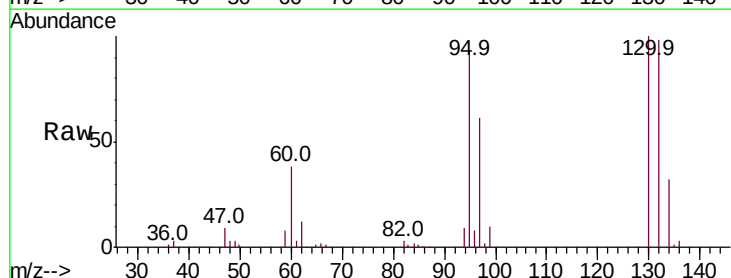
Acq: 24 Oct 2019 10:29

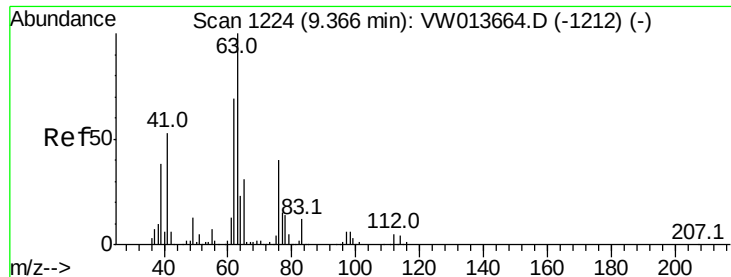
Tgt Ion: 130 Resp: 136497

Ion Ratio Lower Upper

130 100

95 93.1 0.0 184.6





#45

1,2-Dichloropropane

Concen: 52.830 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

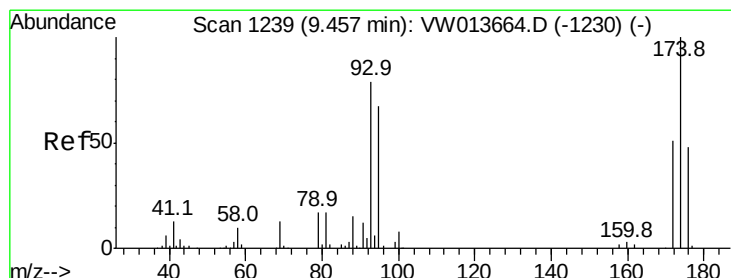
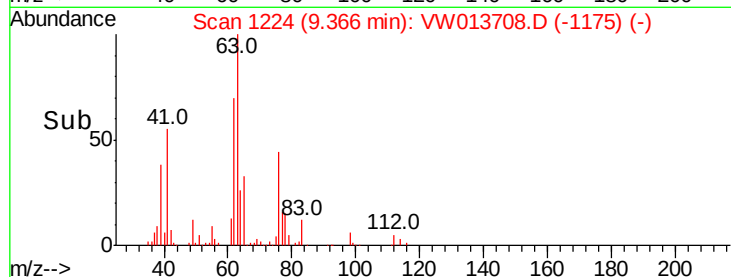
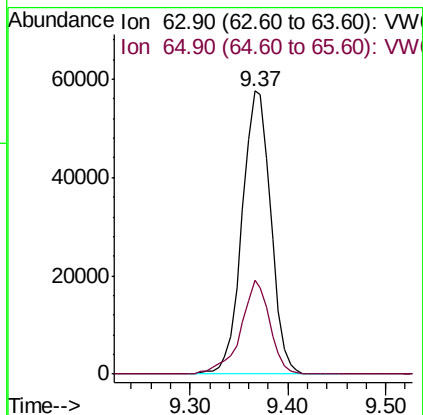
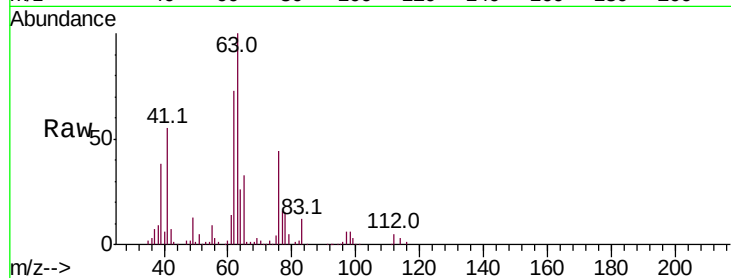
ClientSampleId :

Tot Ion: 63 Resp: 116913

Ion Ratio Lower Upper

63 100

65 33.3 25.2 37.8



#46

Dibromomethane

Concen: 59.725 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

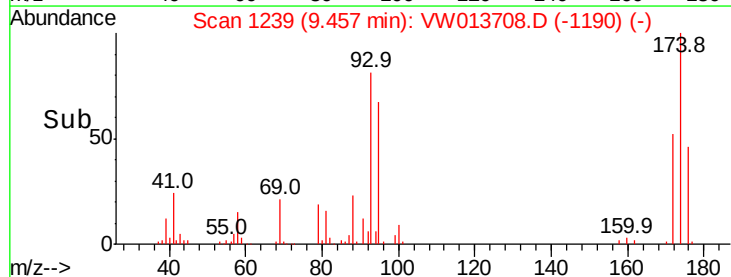
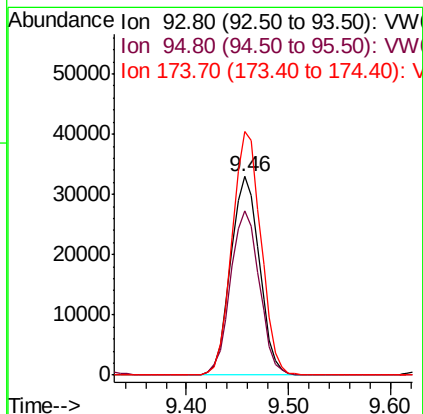
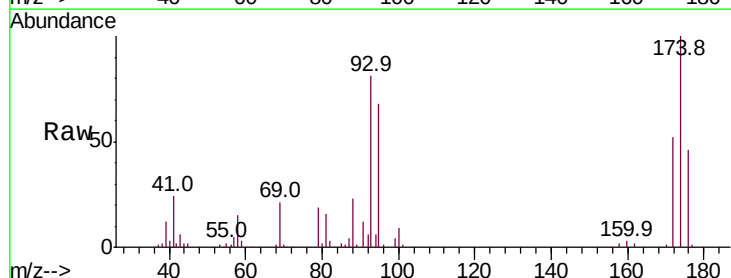
Tgt Ion: 93 Resp: 64150

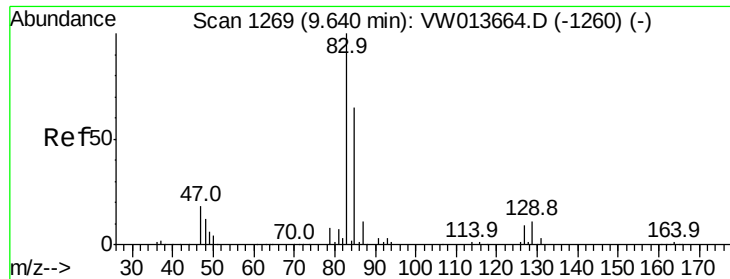
Ion Ratio Lower Upper

93 100

95 83.2 66.5 99.7

174 123.1 99.6 149.4





#47

Bromodichloromethane

Concen: 55.026 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

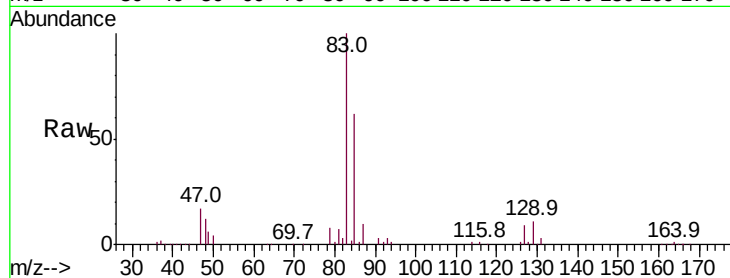
Tot Ion: 83 Resp: 152926

Ion Ratio Lower Upper

83 100

85 62.3 51.8 77.6

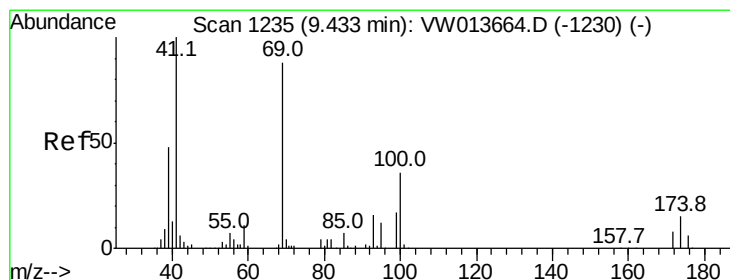
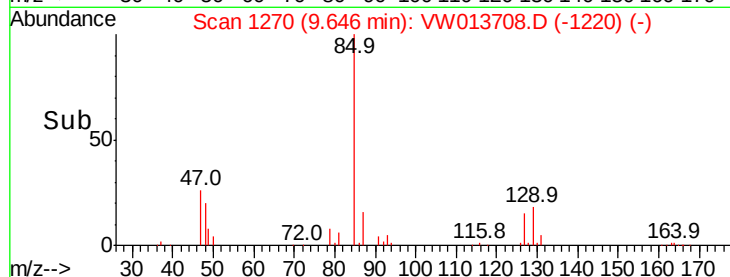
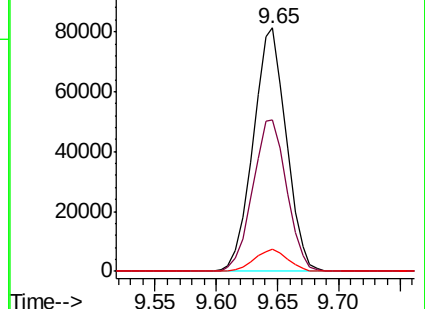
127 9.1 7.3 10.9



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



#48

Methyl methacrylate

Concen: 69.420 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

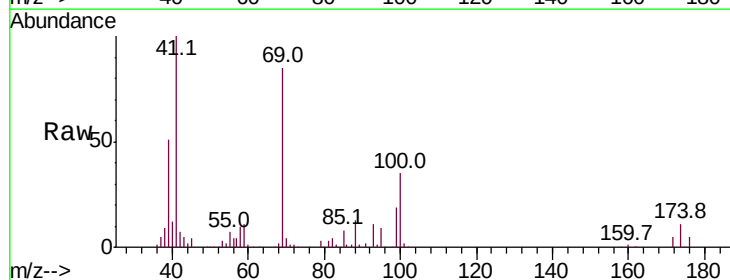
Tgt Ion: 41 Resp: 82581

Ion Ratio Lower Upper

41 100

69 83.4 67.6 101.4

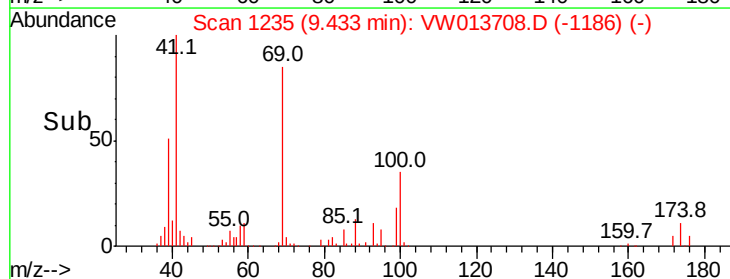
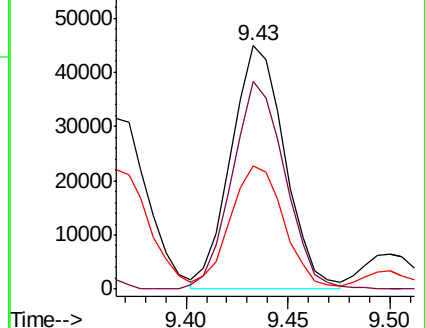
39 47.5 38.6 58.0

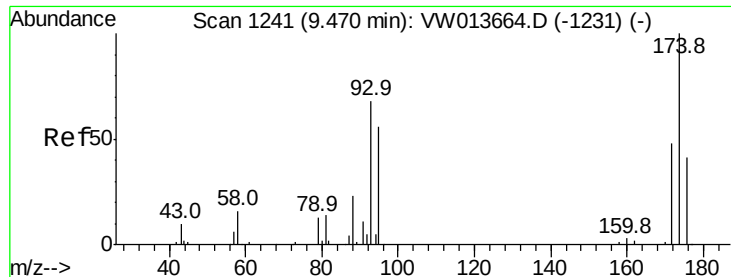


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1473.859 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

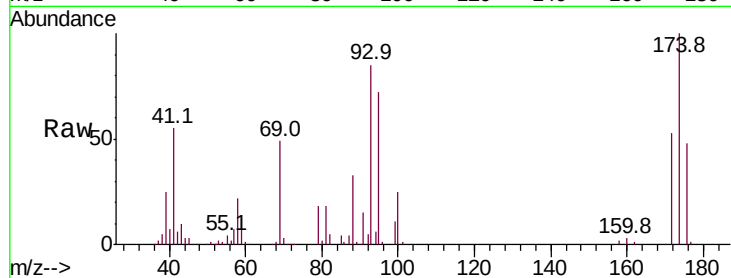
Tot Ion: 88 Resp: 23393

Ion Ratio Lower Upper

88 100

43 31.1 0.0 0.0#

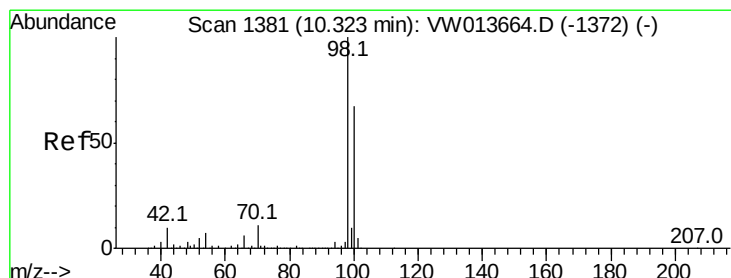
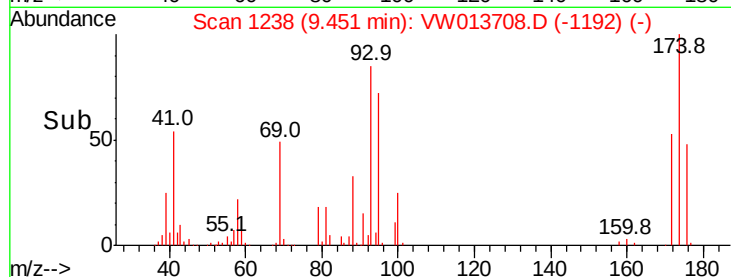
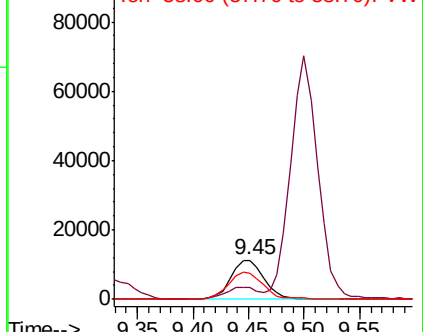
58 72.1 58.9 88.3



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: 53.908 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013708.D

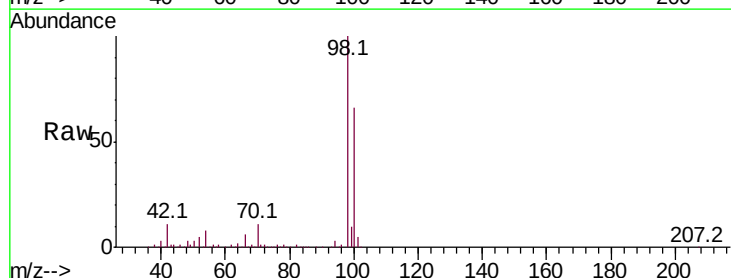
Acq: 24 Oct 2019 10:29

Tgt Ion: 98 Resp: 429068

Ion Ratio Lower Upper

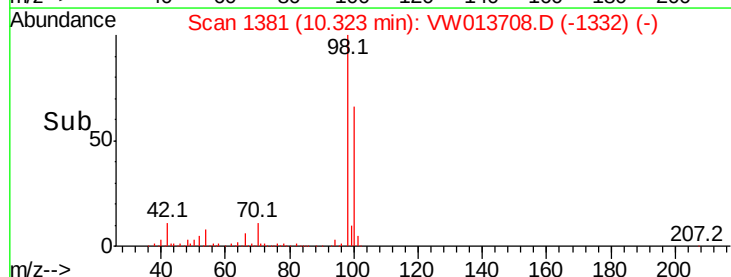
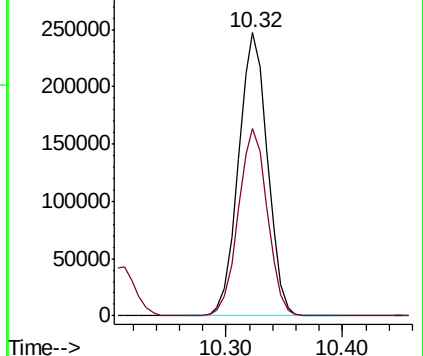
98 100

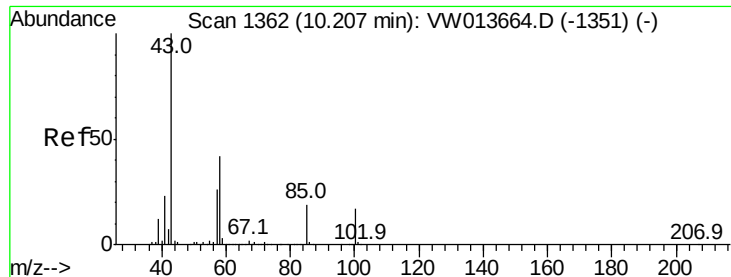
100 66.4 53.4 80.0



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: 361.208 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

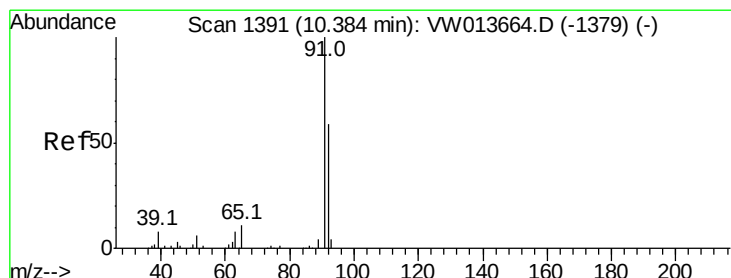
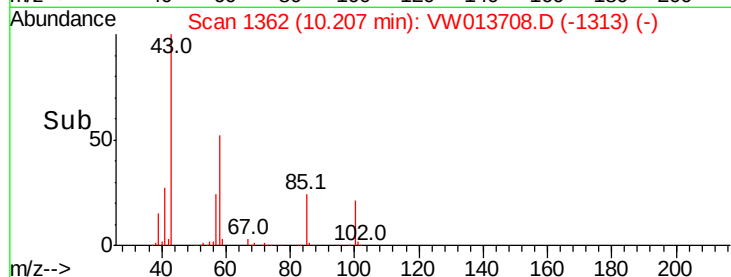
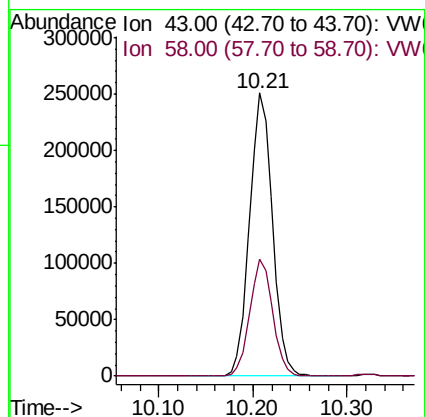
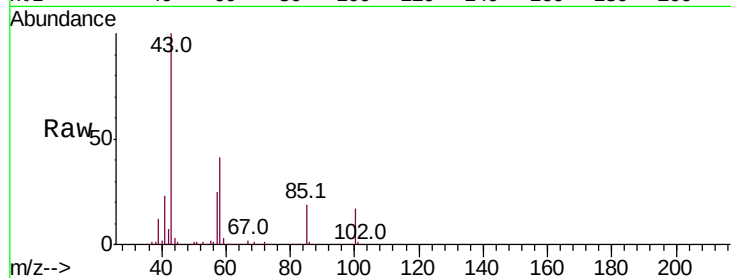
ClientSampled :

Tot Ion: 43 Resp: 430569

Ion Ratio Lower Upper

43 100

58 41.1 32.6 49.0



#52

Toluene

Concen: 51.289 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013708.D

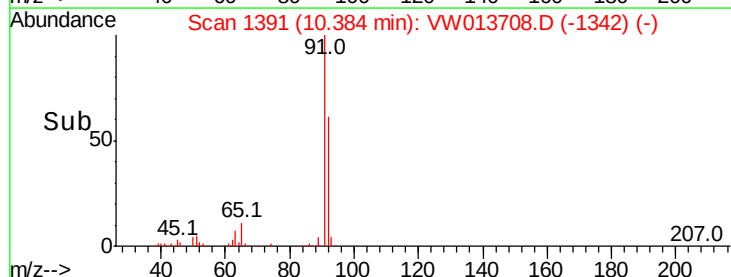
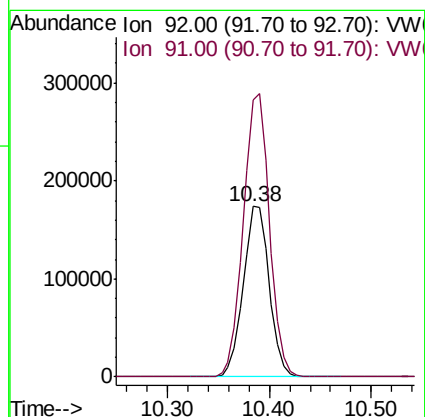
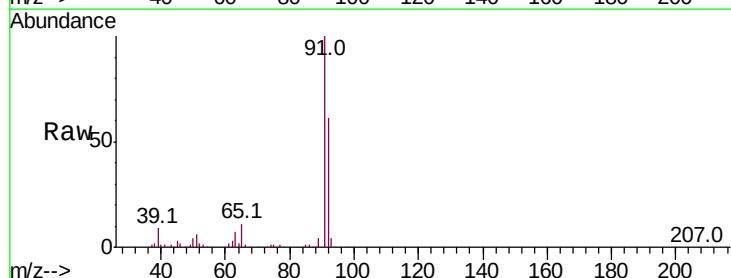
Acq: 24 Oct 2019 10:29

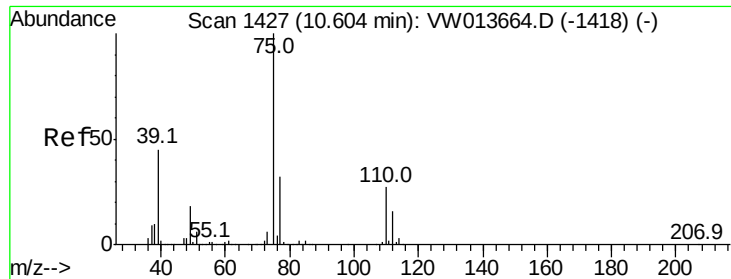
Tgt Ion: 92 Resp: 306518

Ion Ratio Lower Upper

92 100

91 167.3 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 54.771 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

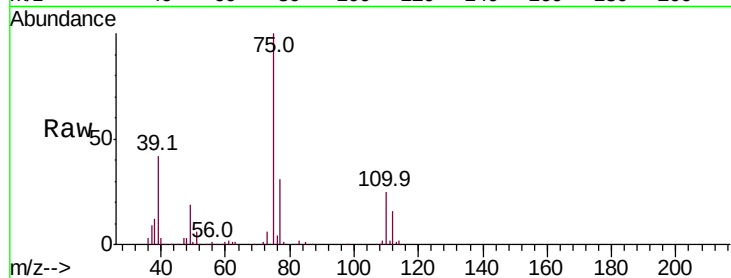
ClientSampled :

Tot Ion: 75 Resp: 154095

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

80000

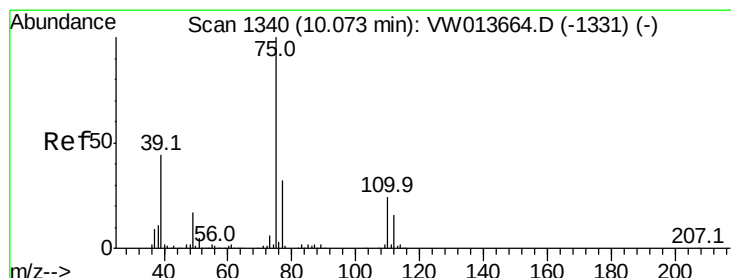
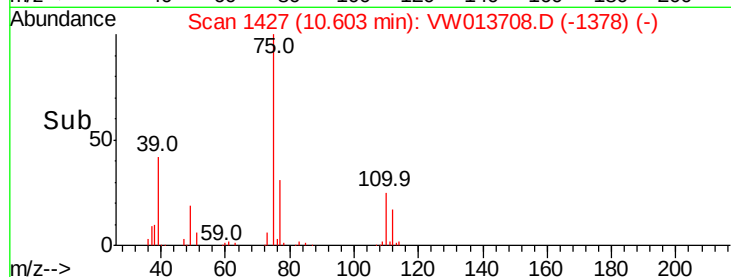
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 51.569 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

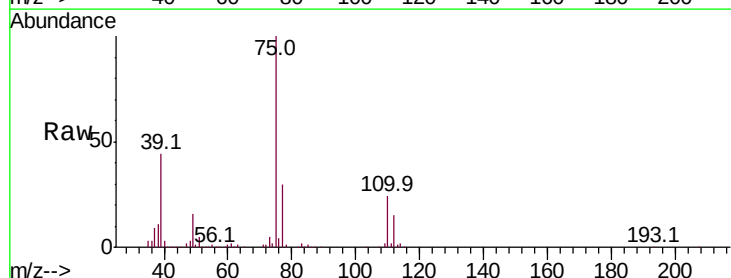
Tgt Ion: 75 Resp: 179001

Ion Ratio Lower Upper

75 100

77 30.4 25.8 38.6

39 43.9 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

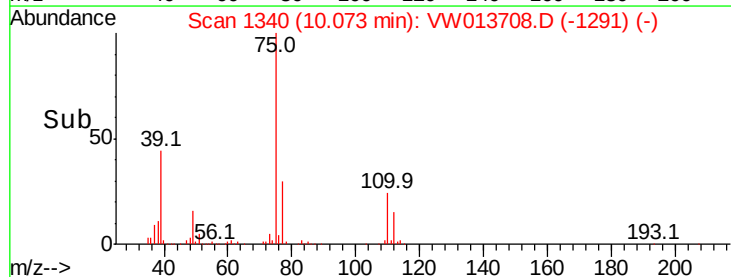
10.07

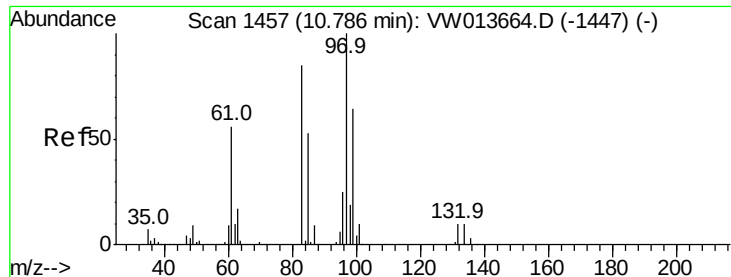
100000

50000

0

Time--> 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 60.245 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 96438

Ion	Ratio	Lower	Upper
97	100		
83	80.7	67.8	101.8
85	50.2	42.1	63.1
99	61.6	51.4	77.0

Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time-->

10.79

60000

40000

20000

0

10.70 10.75 10.80 10.85

10.79

60000

40000

20000

0

10.70 10.75 10.80 10.85

10.79

60000

40000

20000

0

10.70 10.75 10.80 10.85

10.79

60000

40000

20000

0

10.70 10.75 10.80 10.85

10.79

60000

40000

20000

0

10.70 10.75 10.80 10.85

10.79

60000

40000

20000

0

10.70 10.75 10.80 10.85

10.79

60000

40000

20000

0

10.70 10.75 10.80 10.85

10.79

60000

40000

20000

0

10.70 10.75 10.80 10.85

10.79

60000

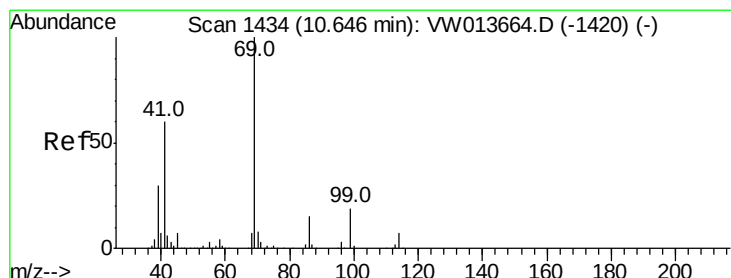
40000

20000

0

10.70 10.75 10.80 10.85

10.79



#56

Ethyl methacrylate

Concen: 67.215 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Tgt Ion: 69 Resp: 134615

Ion	Ratio	Lower	Upper
69	100		
41	63.5	51.6	77.4
39	27.7	22.4	33.6

Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->

10.65

100000

80000

60000

40000

20000

0

10.60 10.65 10.70 10.80

10.65

100000

80000

60000

40000

20000

0

10.60 10.65 10.70 10.80

10.65

100000

80000

60000

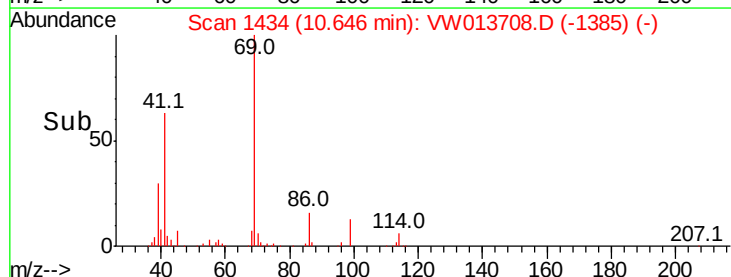
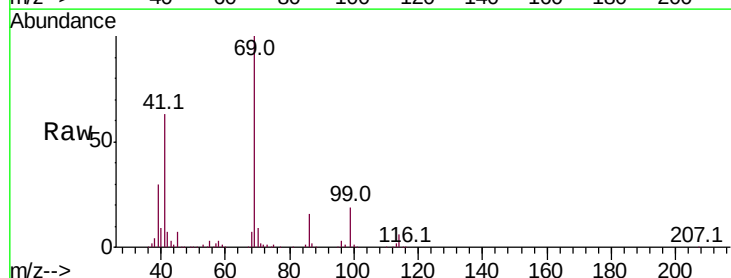
40000

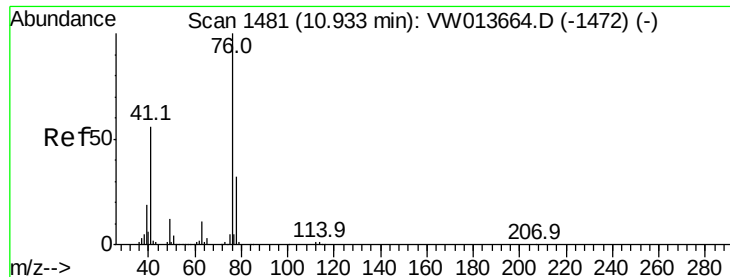
20000

0

10.60 10.65 10.70 10.80

10.65





#57

1,3-Dichloropropane

Concen: 58.664 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

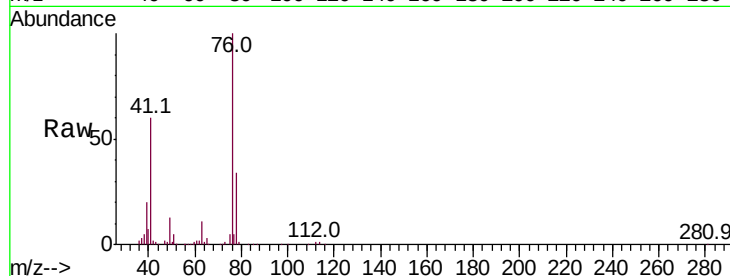
ClientSampled :

Tot Ion: 76 Resp: 161150

Ion Ratio Lower Upper

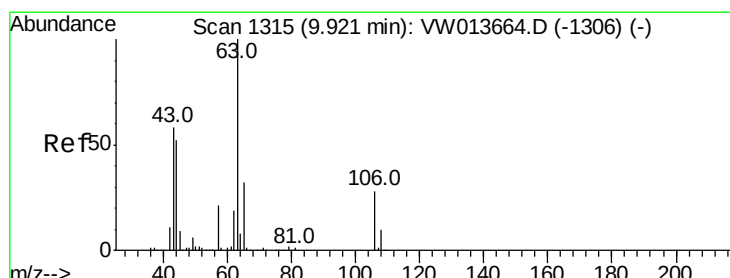
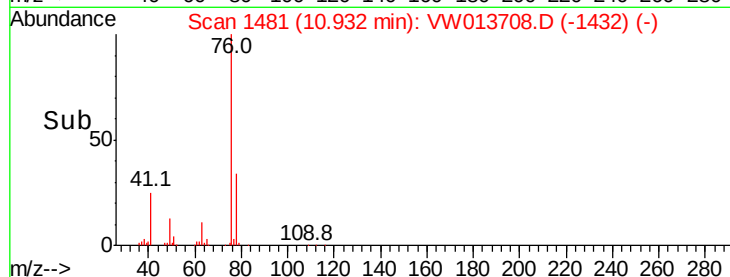
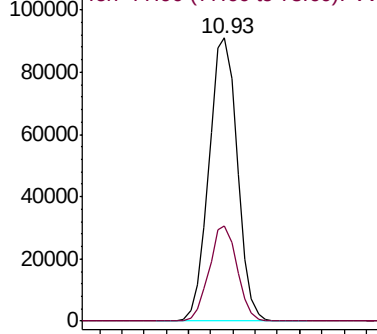
76 100

78 33.1 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 342.965 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013708.D

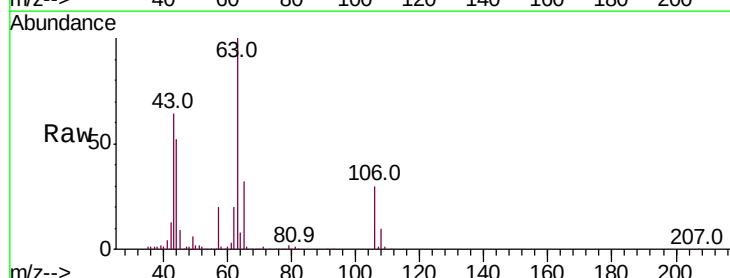
Acq: 24 Oct 2019 10:29

Tgt Ion: 63 Resp: 316126

Ion Ratio Lower Upper

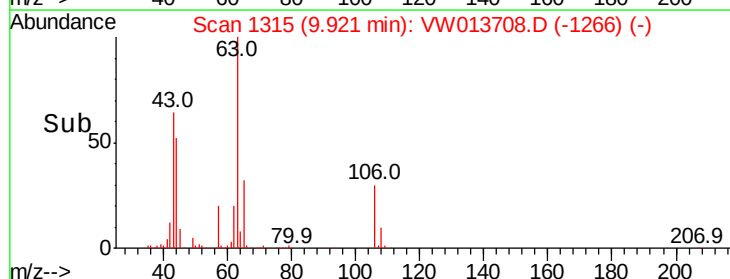
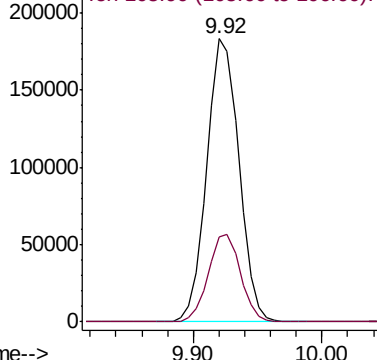
63 100

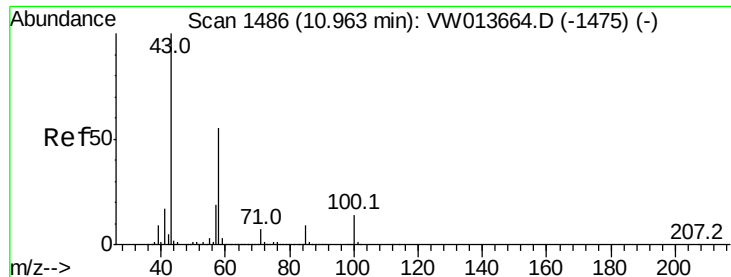
106 31.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

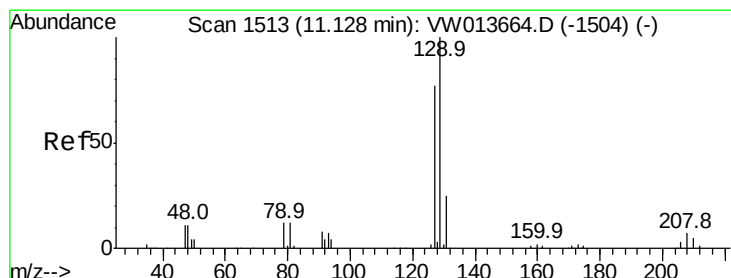
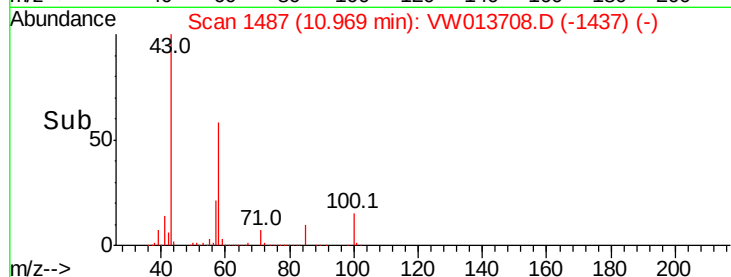
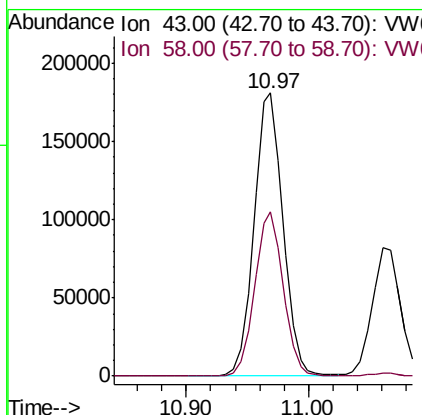
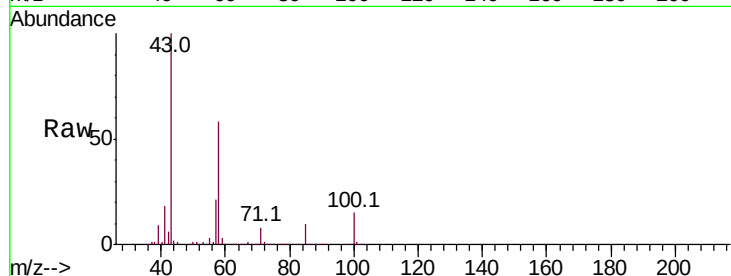




#59
2-Hexanone
Concen: 363.200 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

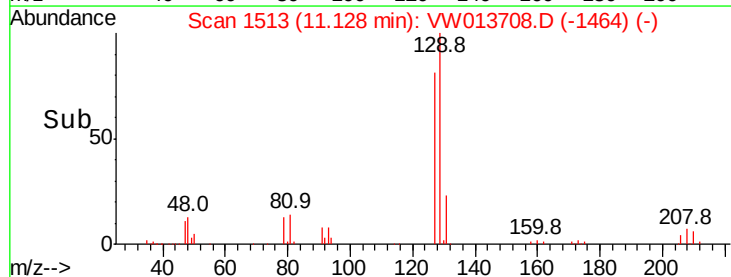
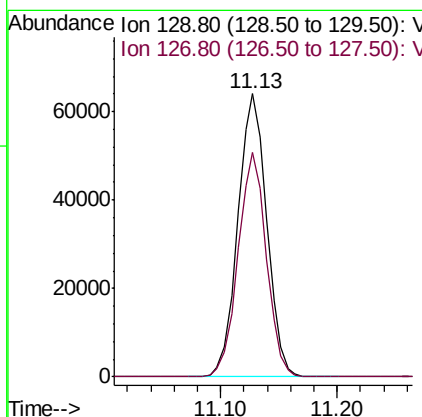
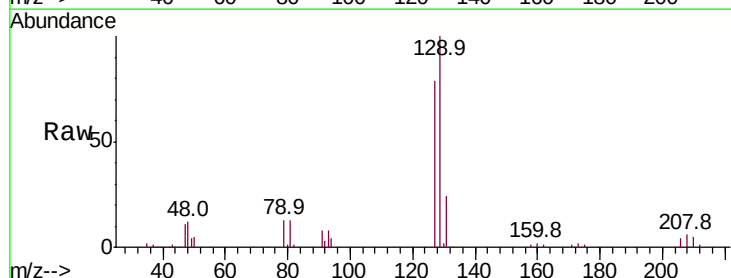
Instrument :
MSVOA_W
ClientSampled :

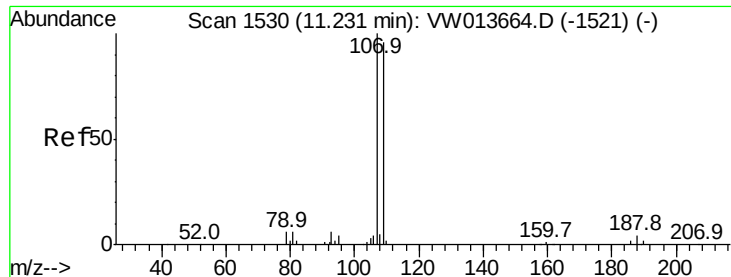
Tot Ion: 43 Resp: 298469
Ion Ratio Lower Upper
43 100
58 57.1 27.9 83.7



#60
Dibromochloromethane
Concen: 58.206 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Tgt Ion: 129 Resp: 110627
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7

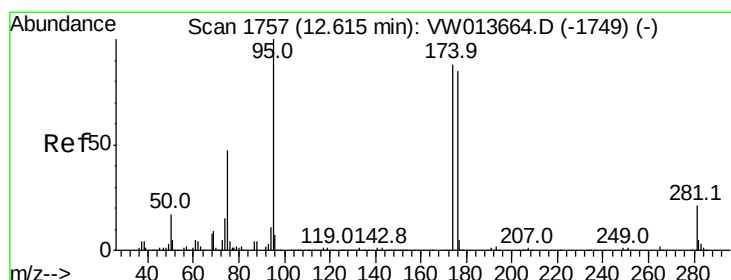
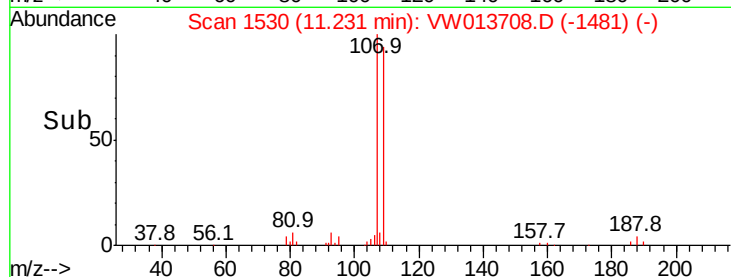
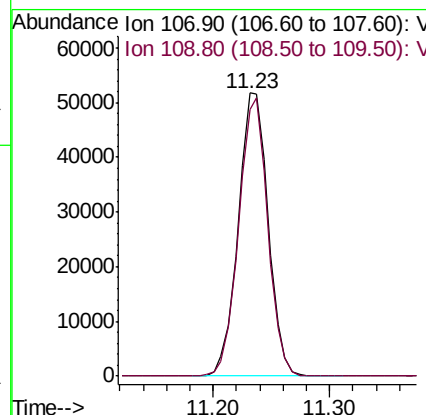
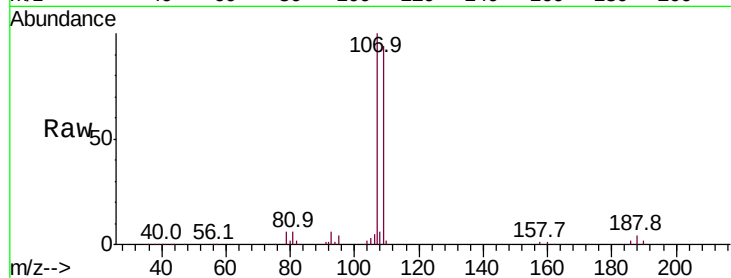




#61
 1,2-Dibromoethane
 Concen: 61.215 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

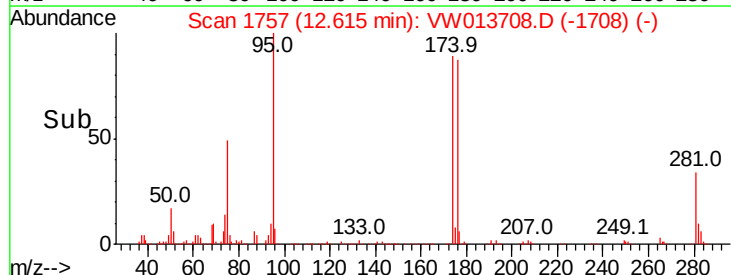
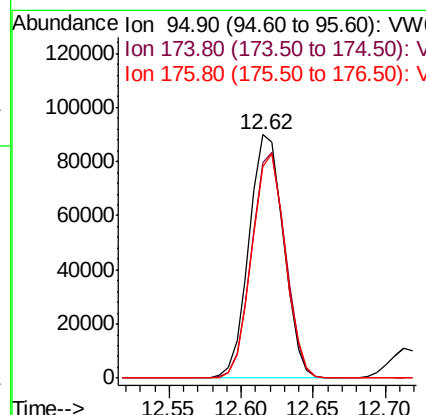
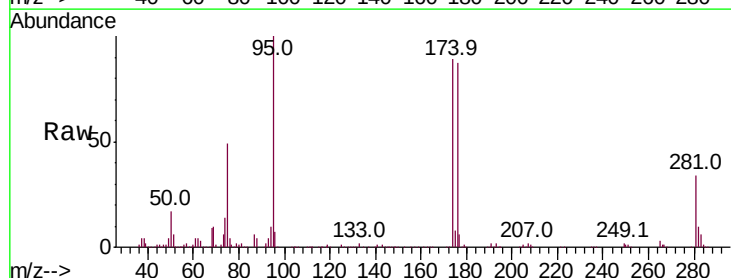
Instrument :
 MSVOA_W
 ClientSampleId :

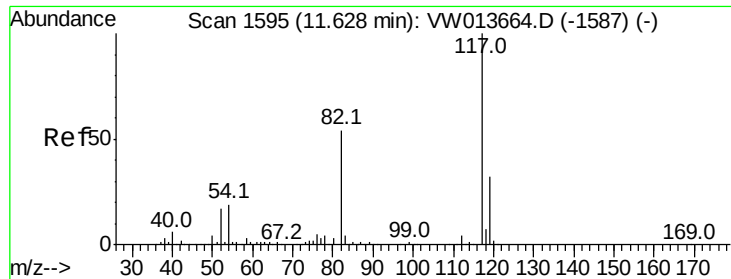
Tot Ion:107 Resp: 92706
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 55.262 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

Tgt Ion: 95 Resp: 148931
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 183.6
 176 89.3 0.0 178.0

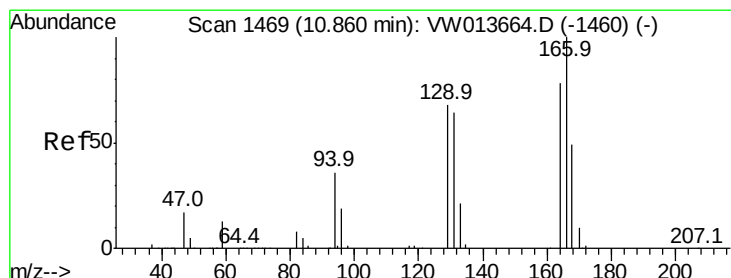
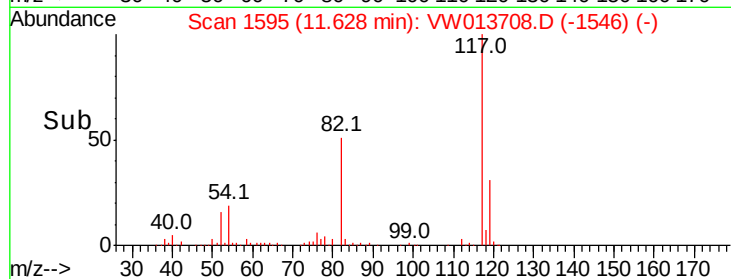
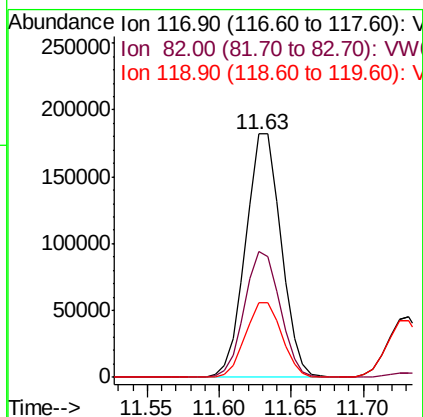
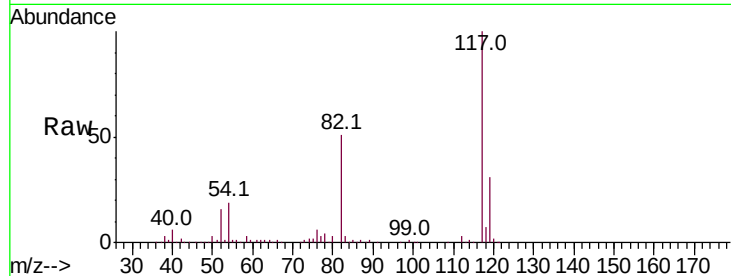




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

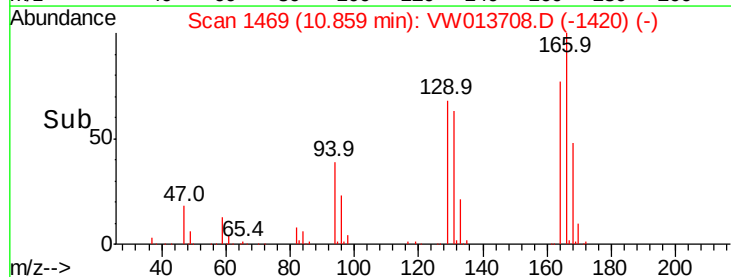
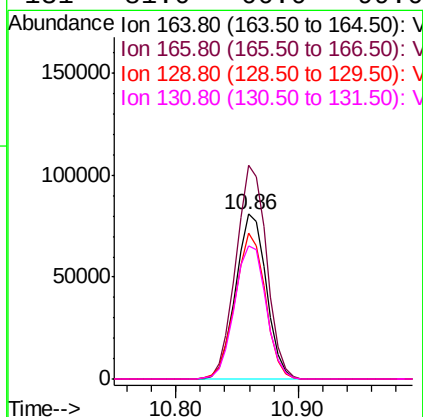
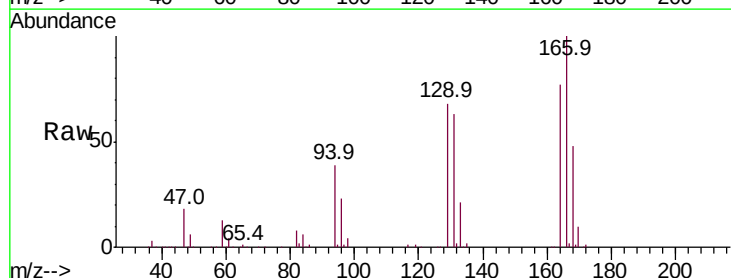
Instrument :
MSVOA_W
ClientSampleId :

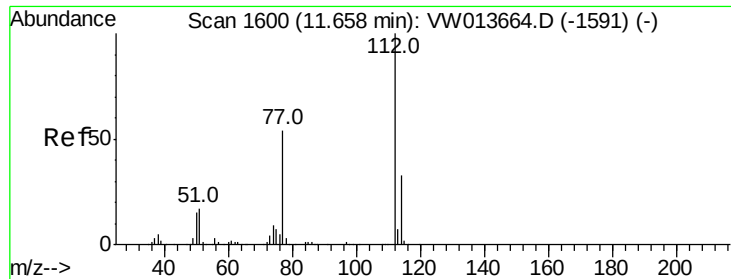
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	43.6	65.4
119	30.8	25.4	38.2



#64
Tetrachloroethene
Concen: 59.158 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.2	154.8
129	88.4	70.6	105.8
131	81.0	66.0	99.0





#65

Chlorobenzene

Concen: 50.542 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

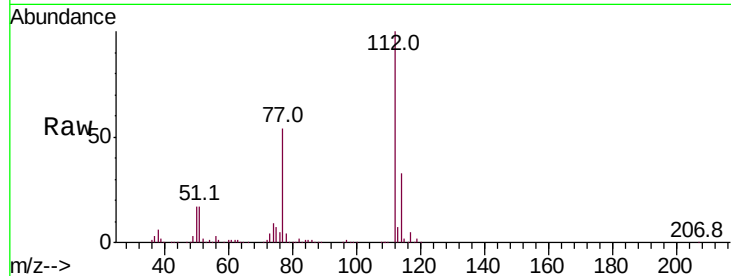
ClientSampleId :

Tot Ion:112 Resp: 322691

Ion Ratio Lower Upper

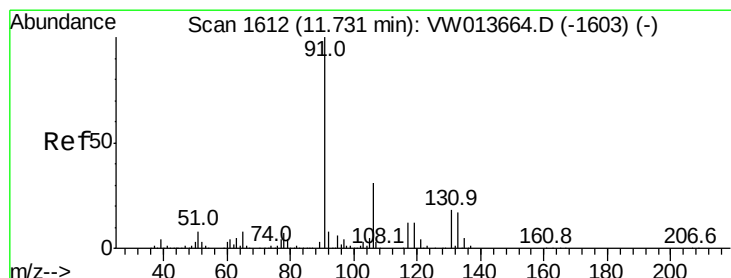
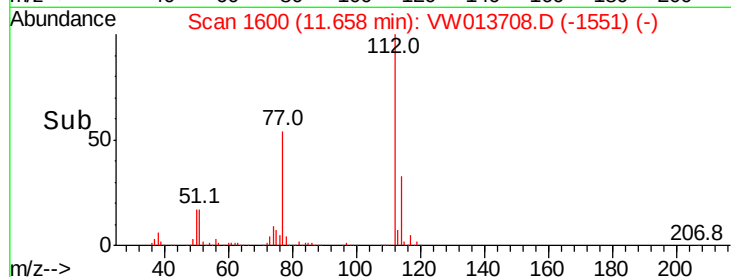
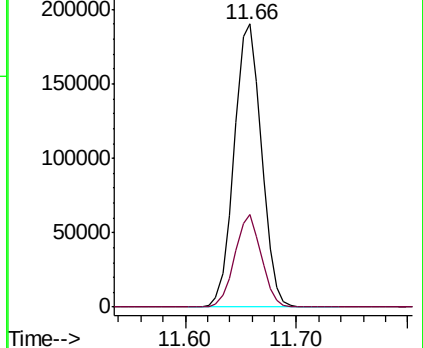
112 100

114 32.6 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.922 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

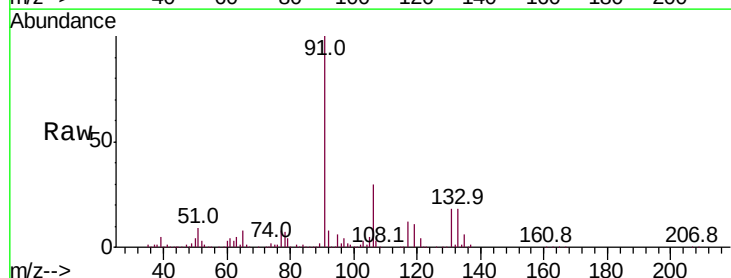
Tgt Ion:131 Resp: 117922

Ion Ratio Lower Upper

131 100

133 95.7 47.4 142.3

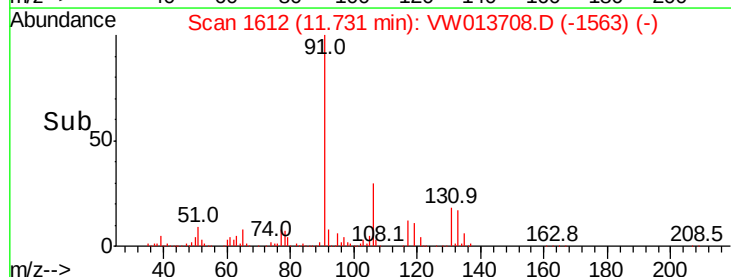
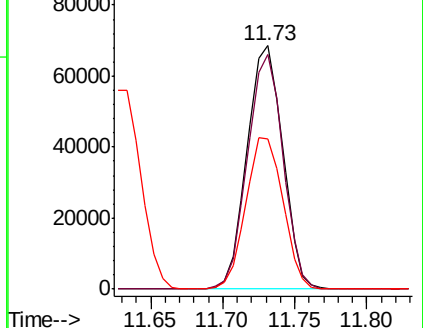
119 64.4 33.1 99.2

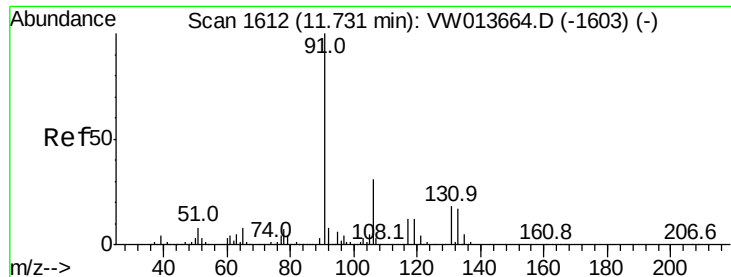


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

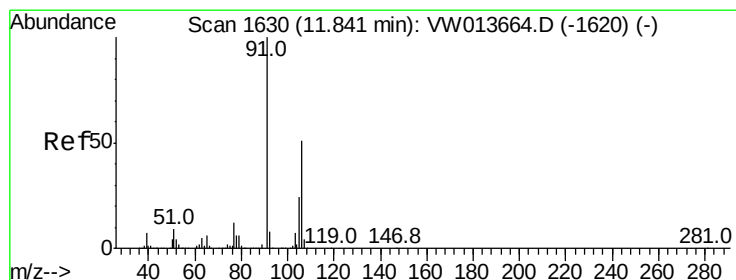
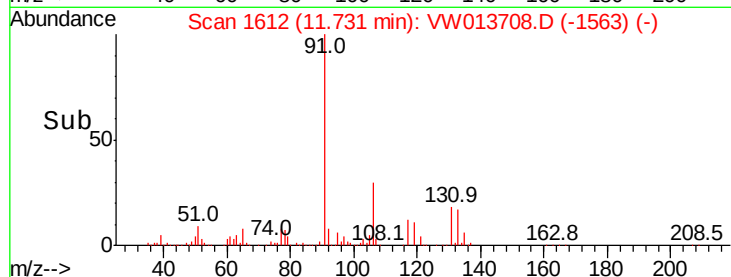
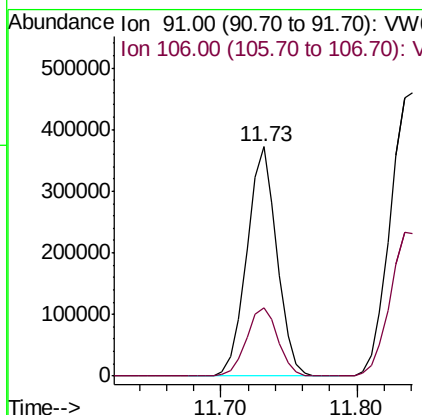
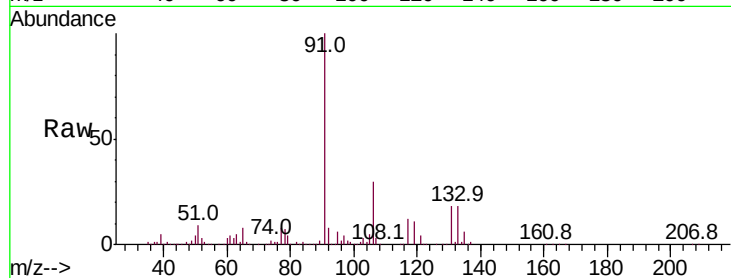




#67
Ethyl Benzene
Concen: 49.834 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

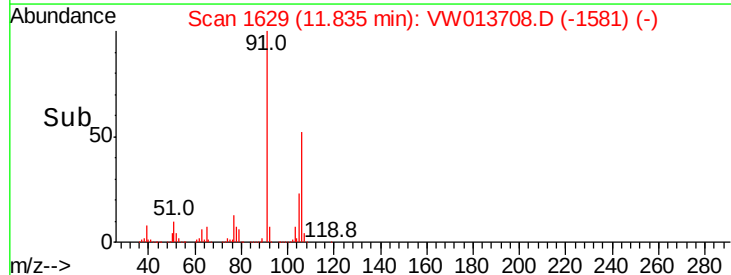
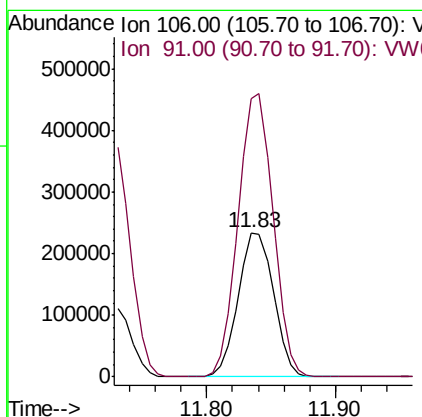
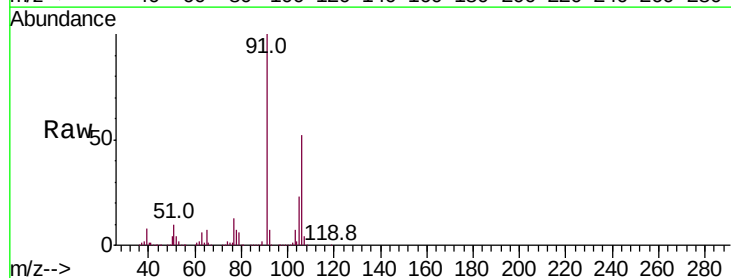
Instrument :
MSVOA_W
ClientSampled :

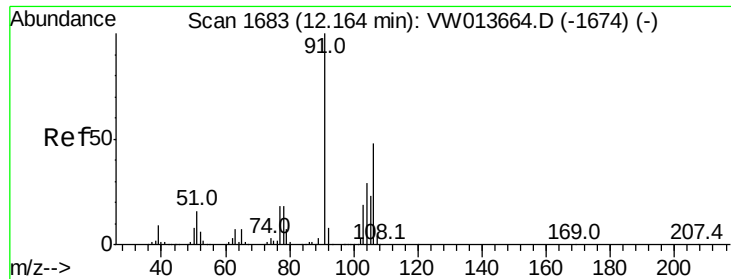
Tot Ion: 91 Resp: 573716
Ion Ratio Lower Upper
91 100
106 29.8 25.0 37.6



#68
m/p-Xylenes
Concen: 100.204 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Tgt Ion: 106 Resp: 445698
Ion Ratio Lower Upper
106 100
91 194.1 159.2 238.8

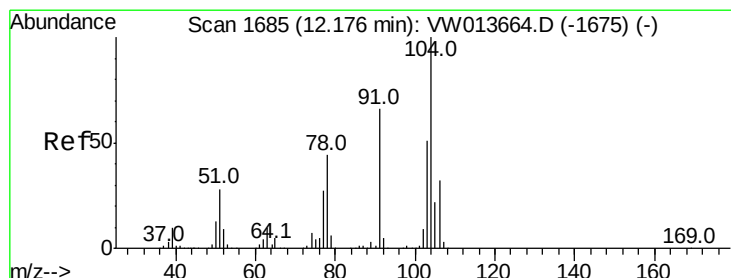
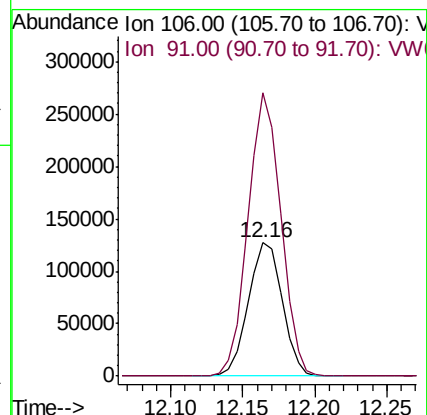
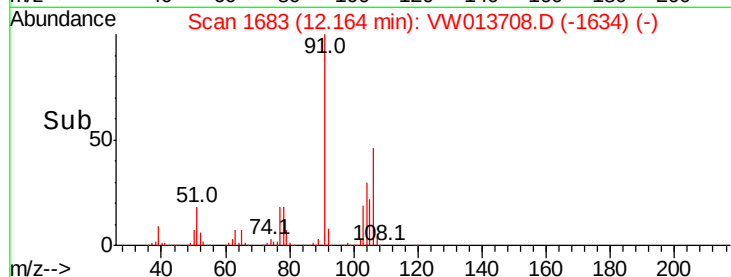
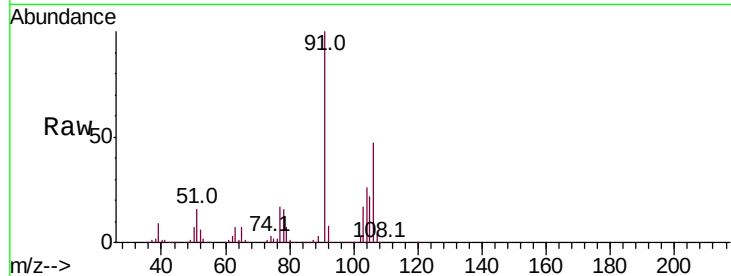




#69
o-Xylene
Concen: 50.767 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

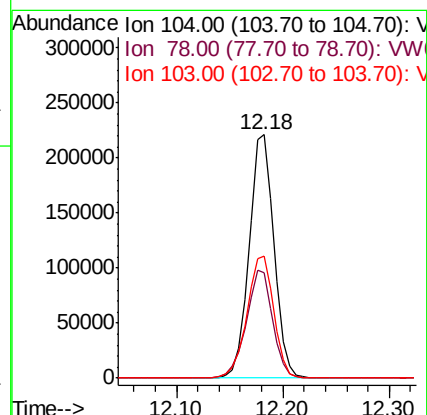
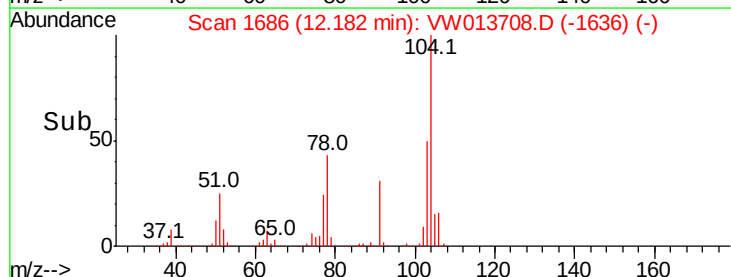
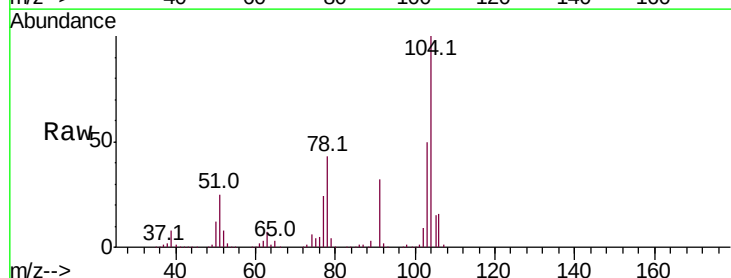
Instrument :
MSVOA_W
ClientSampled :

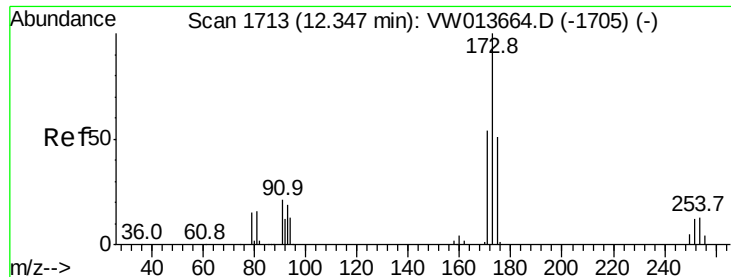
Tot Ion:106 Resp: 207555
Ion Ratio Lower Upper
106 100
91 205.3 104.9 314.7



#70
Styrene
Concen: 51.560 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Tgt Ion:104 Resp: 362178
Ion Ratio Lower Upper
104 100
78 46.9 37.1 55.7
103 54.3 43.6 65.4





#71

Bromoform

Concen: 62.044 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

ClientSampled :

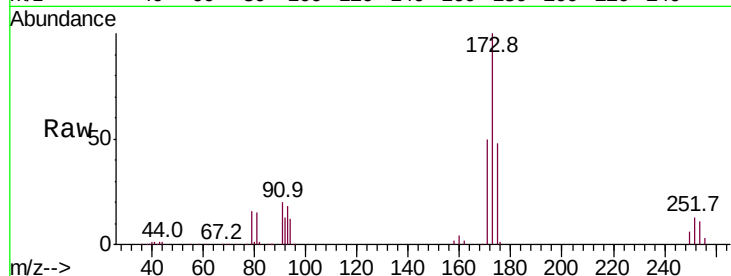
Tot Ion:173 Resp: 72550

Ion Ratio Lower Upper

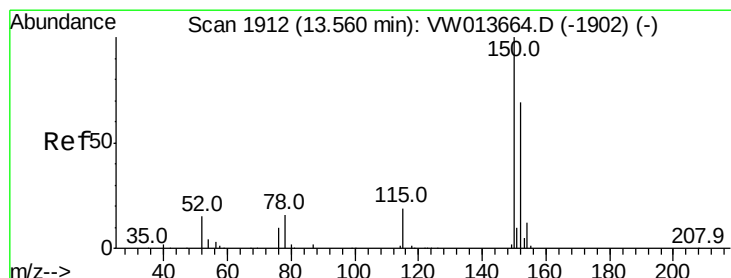
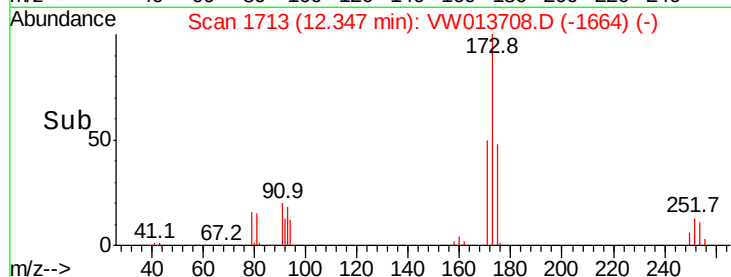
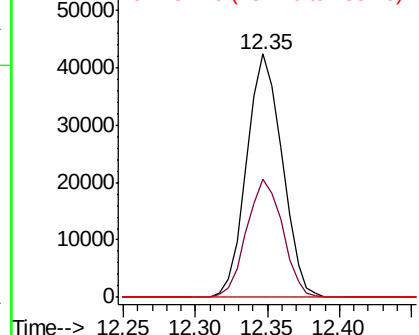
173 100

175 48.9 25.2 75.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

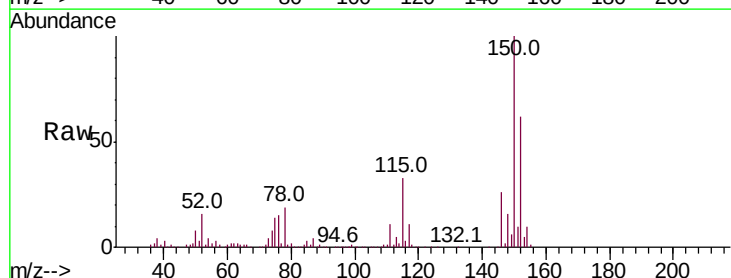
Tgt Ion:152 Resp: 159648

Ion Ratio Lower Upper

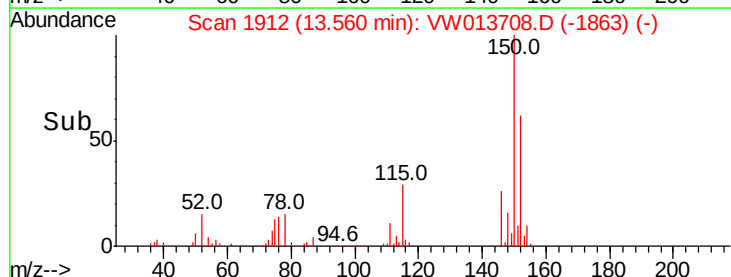
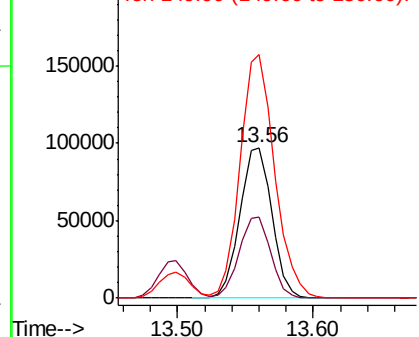
152 100

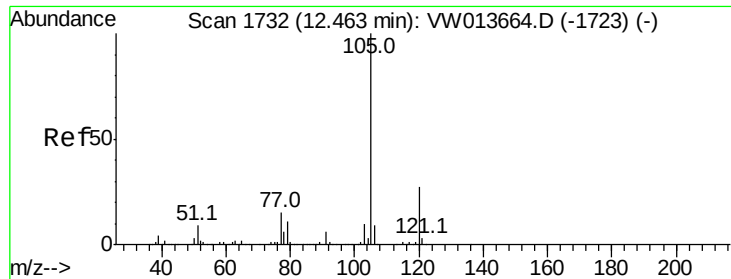
115 53.6 27.4 82.2

150 174.1 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: 49.193 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

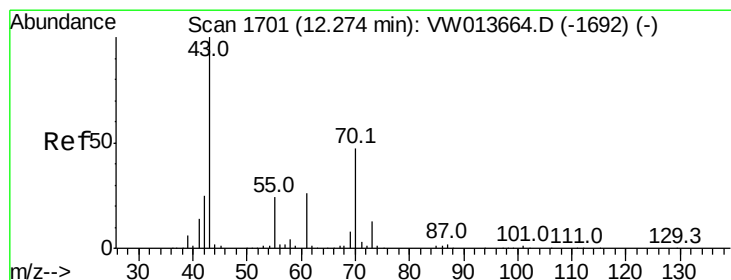
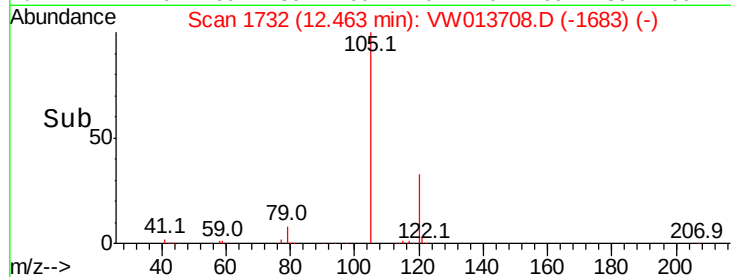
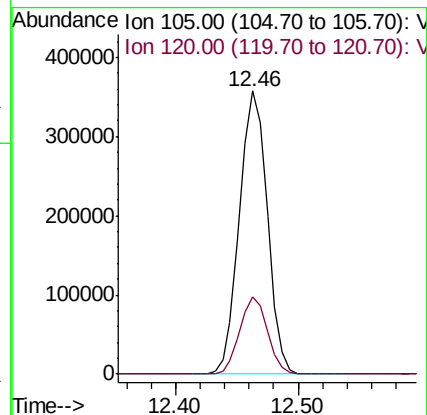
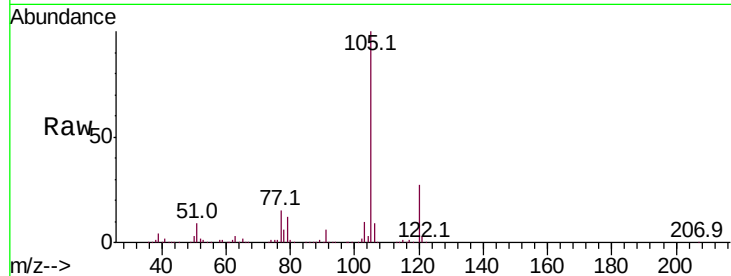
ClientSampleId :

Tot Ion:105 Resp: 563990

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



#74

N-ethyl acetate

Concen: 61.155 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Tgt Ion: 43 Resp: 135629

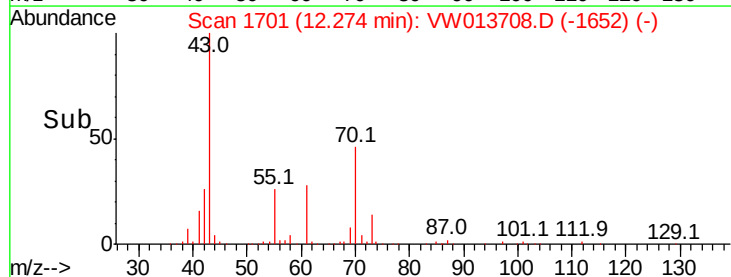
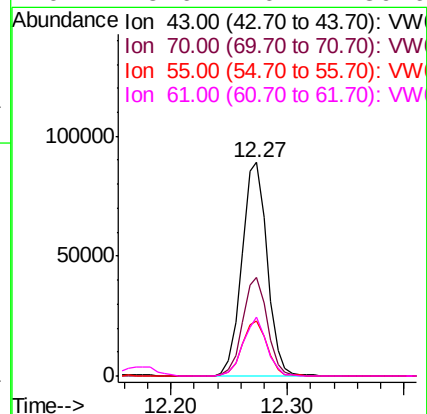
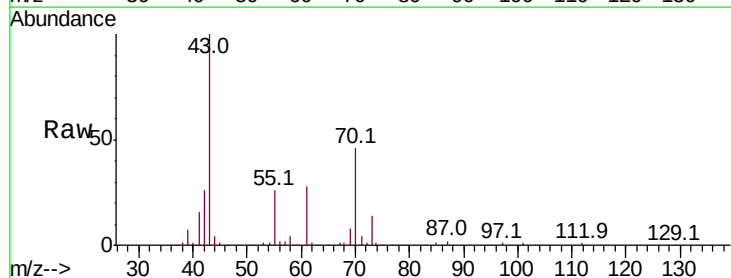
Ion Ratio Lower Upper

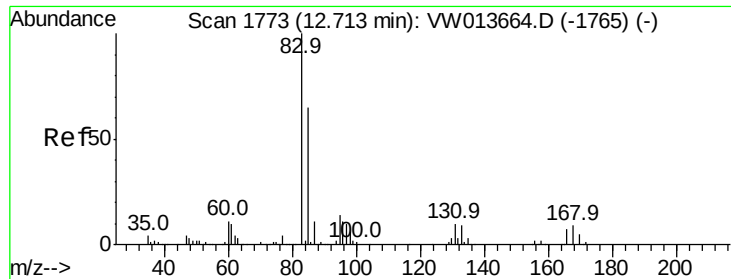
43 100

70 44.8 36.6 55.0

55 25.7 20.3 30.5

61 25.6 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 63.158 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

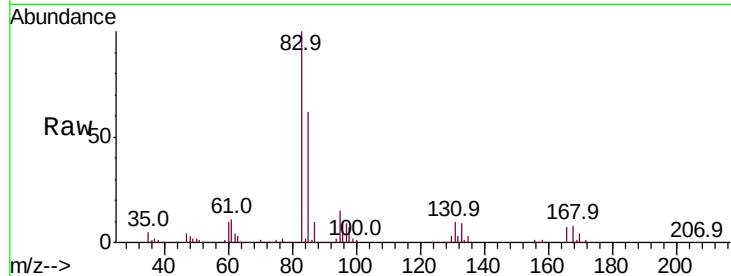
Tot Ion: 83 Resp: 114266

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.7	17.1
85	63.7	32.5	97.4

83 100

131 10.9 5.7 17.1

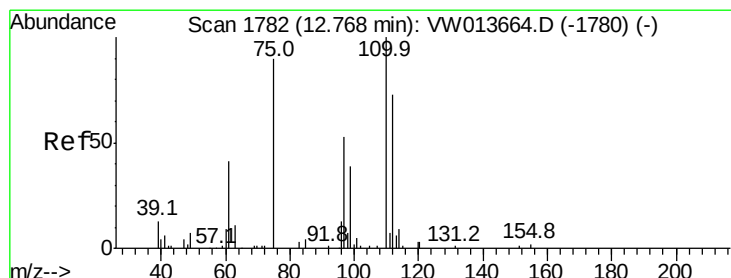
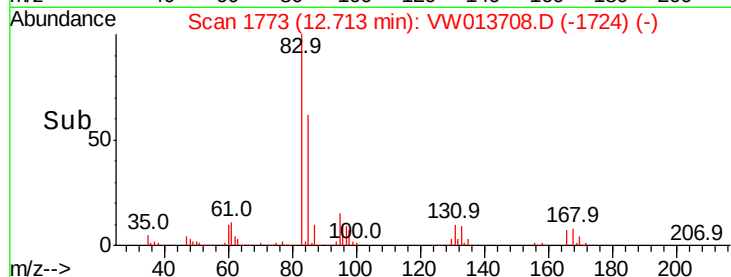
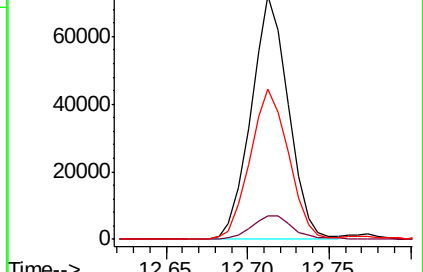
85 63.7 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 121.753 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013708.D

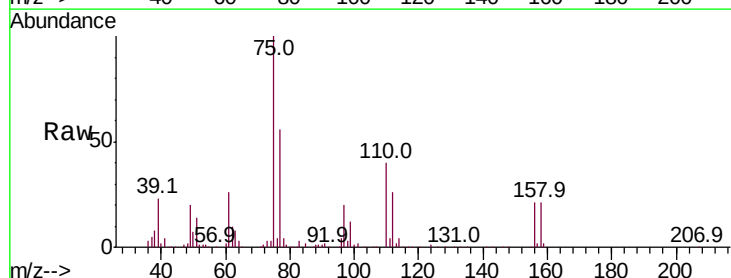
Acq: 24 Oct 2019 10:29

Tgt Ion: 75 Resp: 139589

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

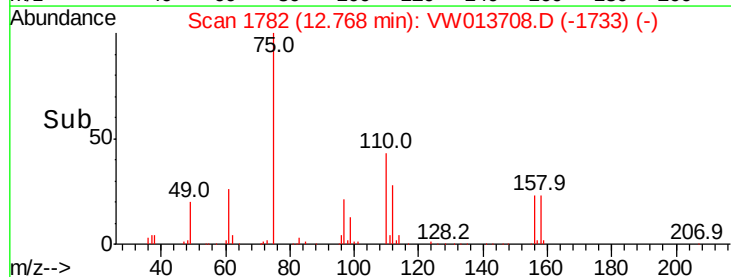
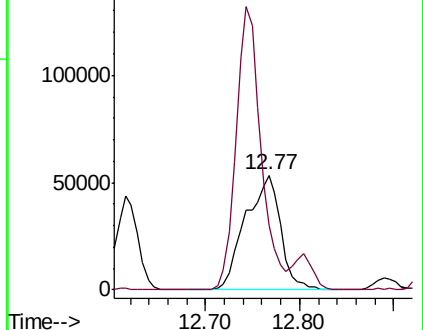
75 100

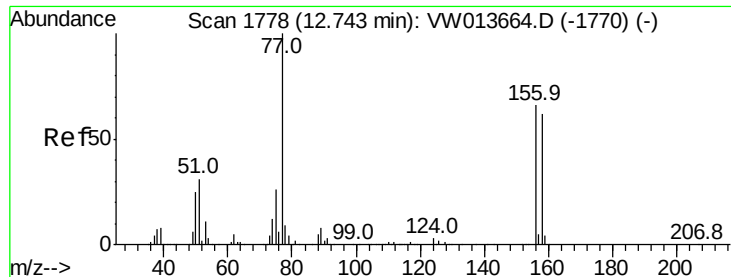
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.413 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

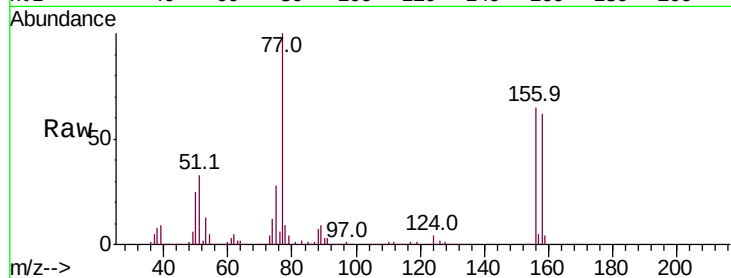
Tot Ion:156 Resp: 140810

Ion Ratio Lower Upper

156 100

77 172.6 82.9 248.7

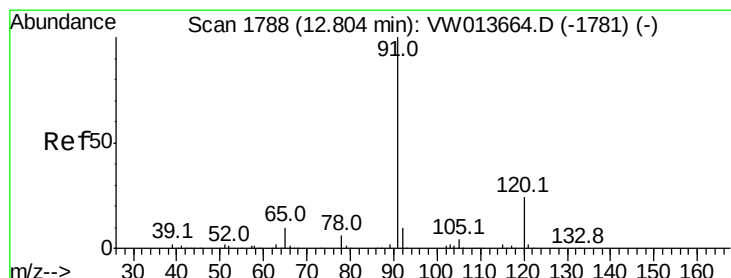
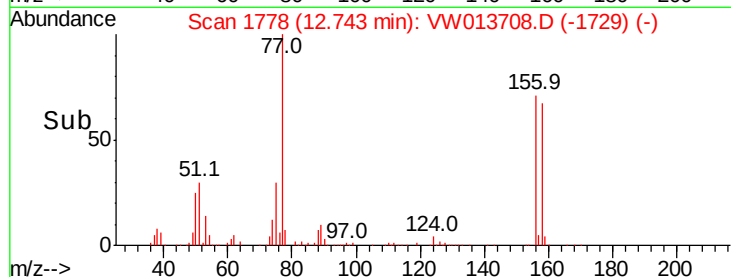
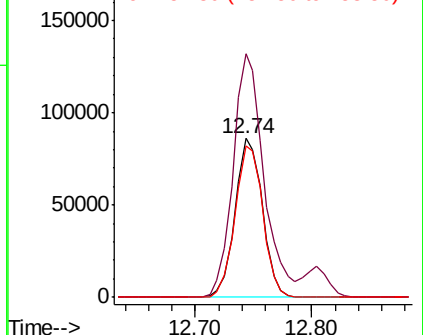
158 97.1 48.4 145.2



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: 49.305 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013708.D

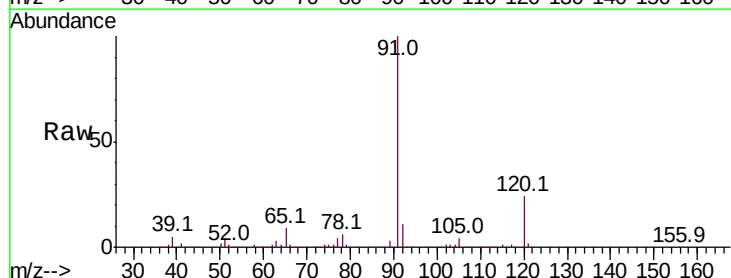
Acq: 24 Oct 2019 10:29

Tgt Ion: 91 Resp: 654270

Ion Ratio Lower Upper

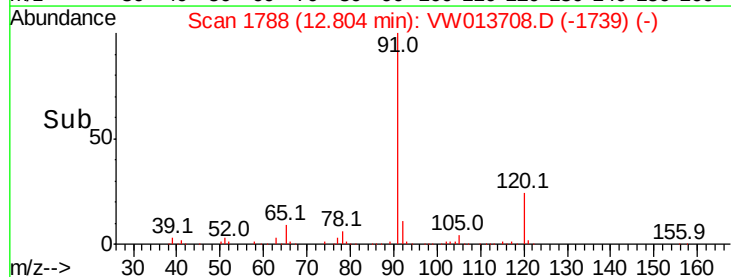
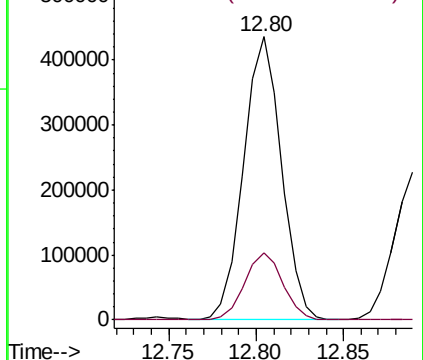
91 100

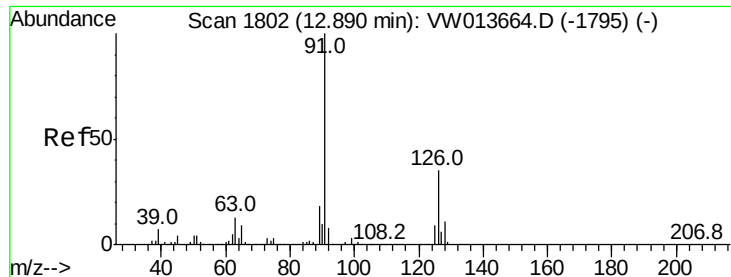
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.764 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

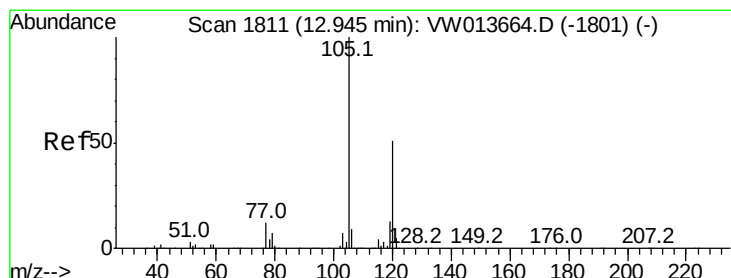
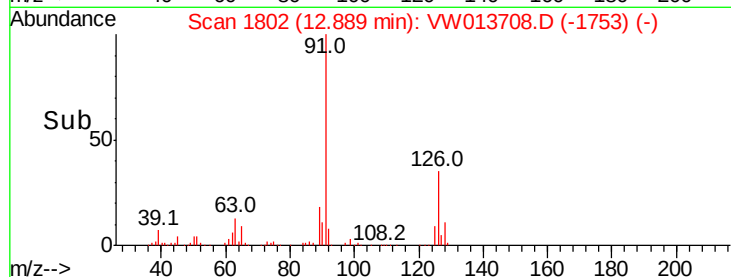
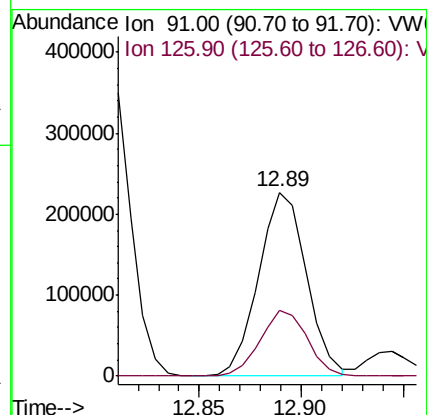
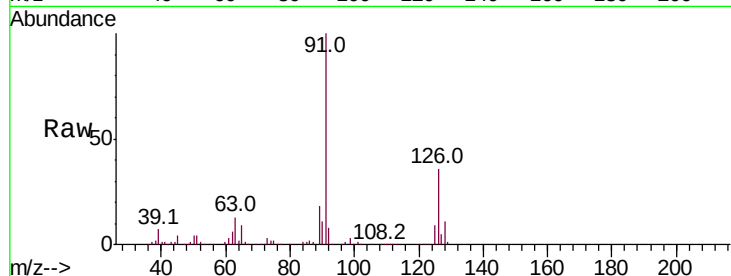
ClientSampleId :

Tot Ion: 91 Resp: 371100

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 49.721 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013708.D

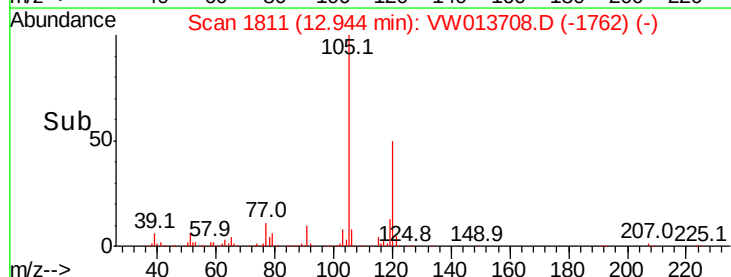
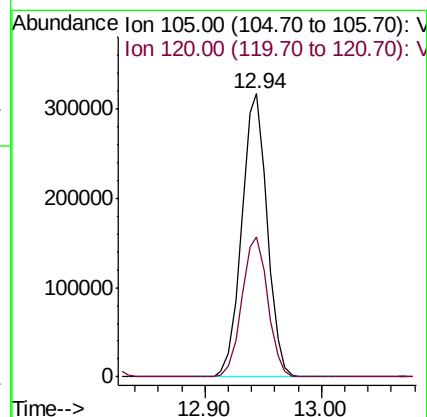
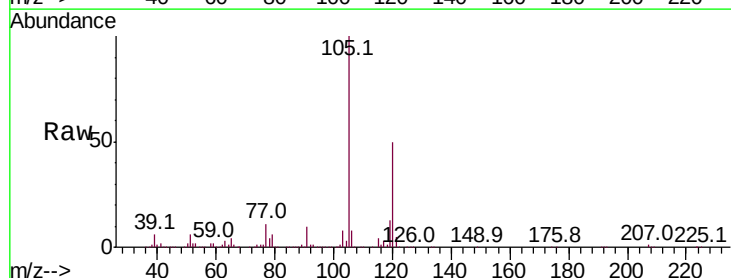
Acq: 24 Oct 2019 10:29

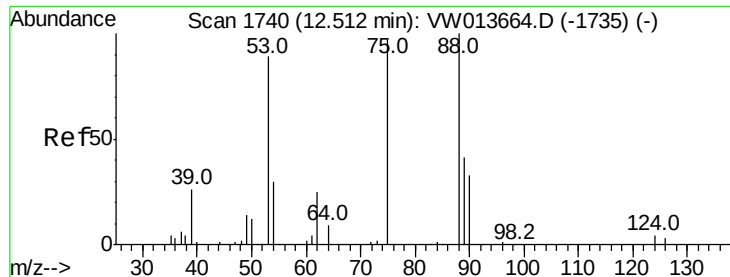
Tgt Ion:105 Resp: 481207

Ion Ratio Lower Upper

105 100

120 50.3 25.1 75.3

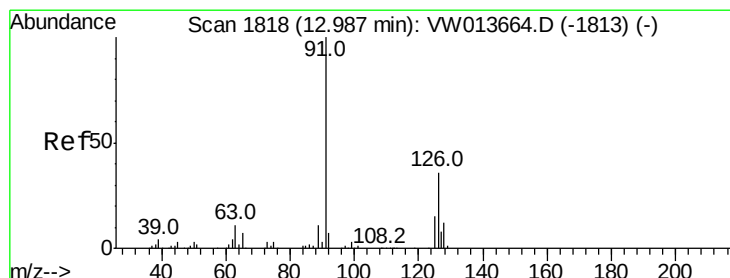
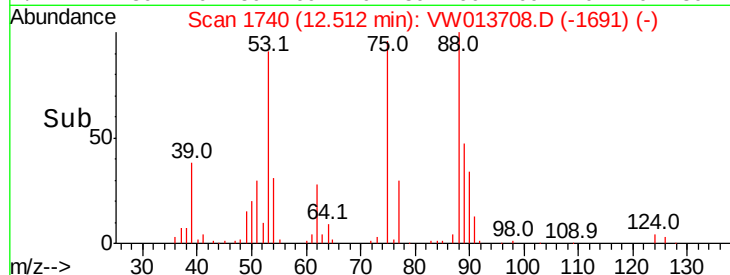
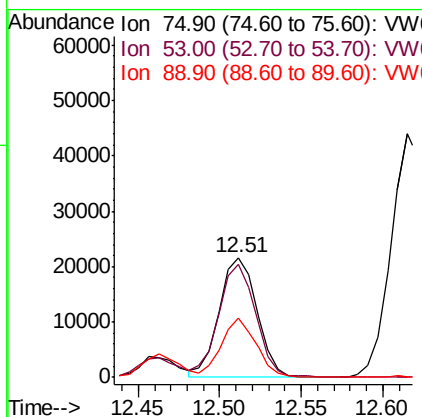
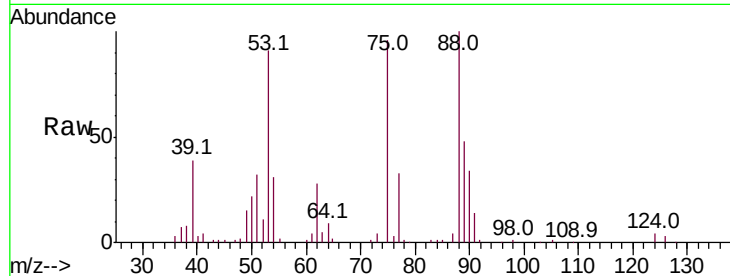




#81
trans-1,4-Dichloro-2-butene
Concen: 57.782 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

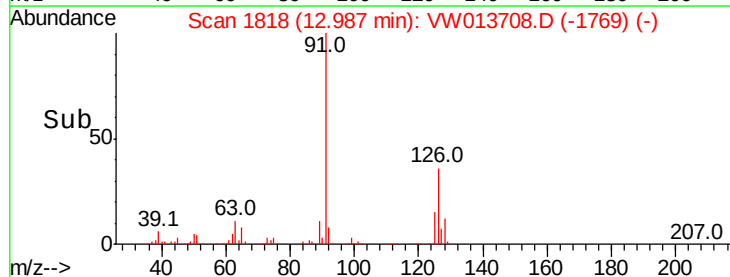
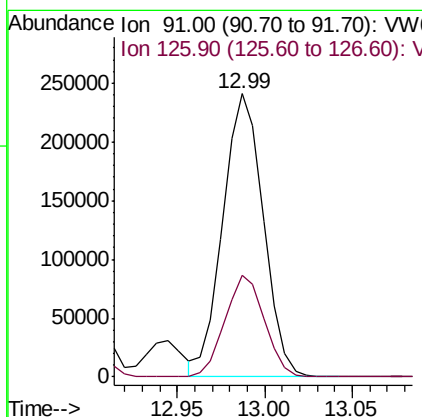
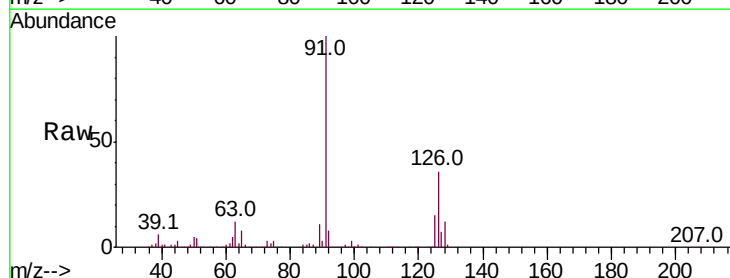
Instrument :
MSVOA_W
ClientSampled :

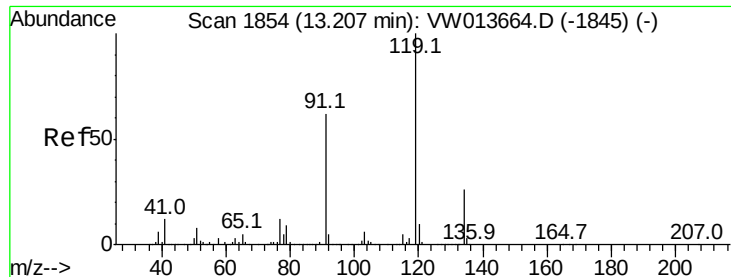
Tot Ion: 75 Resp: 35054
Ion Ratio Lower Upper
75 100
53 92.7 71.7 107.5
89 45.4 35.8 53.8



#82
4-Chlorotoluene
Concen: 49.414 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Tgt Ion: 91 Resp: 386858
Ion Ratio Lower Upper
91 100
126 35.2 17.2 51.5

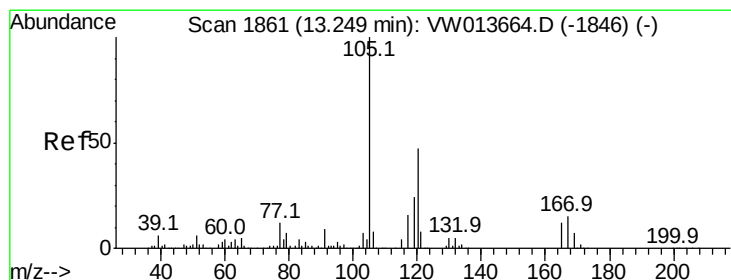
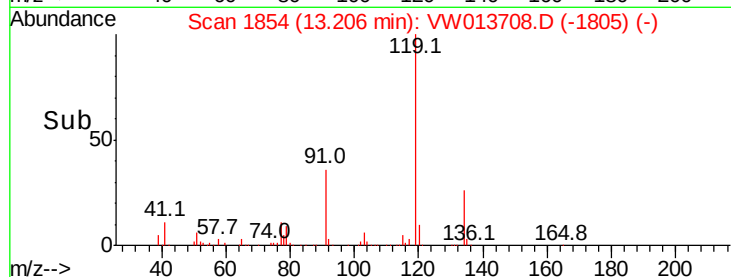
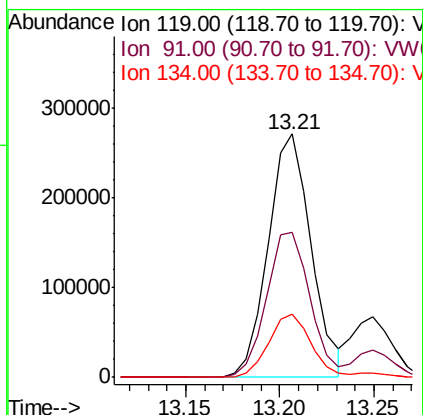
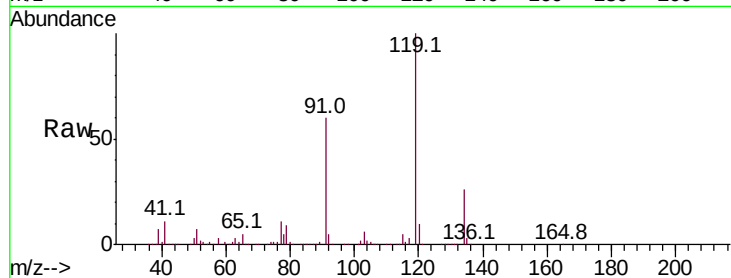




#83
 tert-Butylbenzene
 Concen: 49.918 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

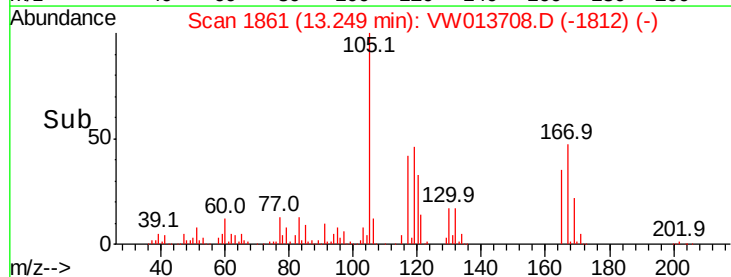
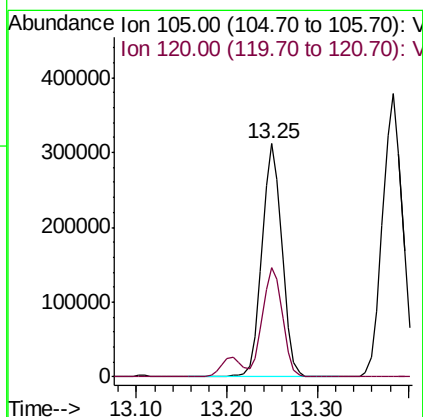
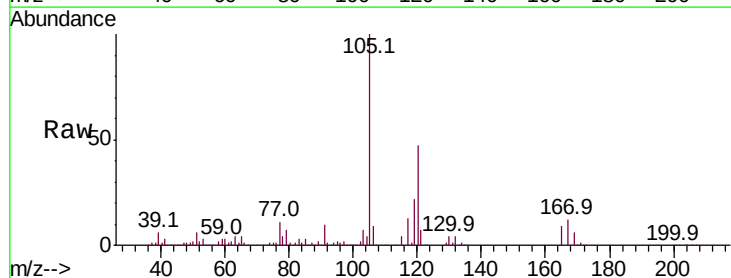
Instrument :
 MSVOA_W
 ClientSampleId :

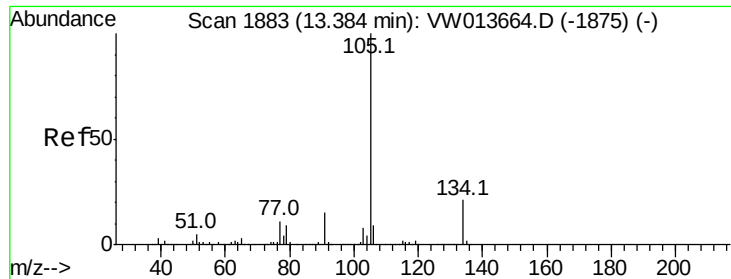
Tot Ion:119 Resp: 428836
 Ion Ratio Lower Upper
 119 100
 91 60.6 30.4 91.3
 134 27.0 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 49.922 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

Tgt Ion:105 Resp: 476609
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.5 70.5





#85

sec-Butylbenzene

Concen: 49.265 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

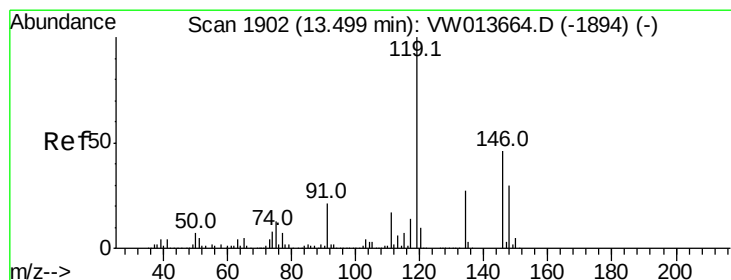
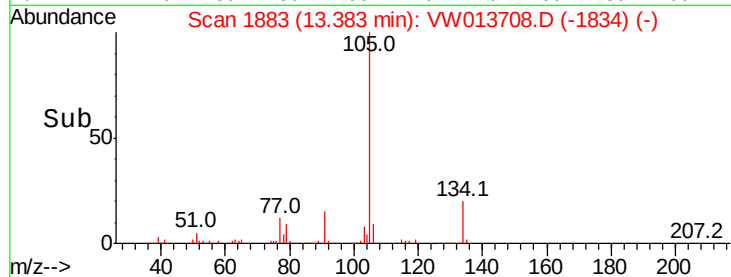
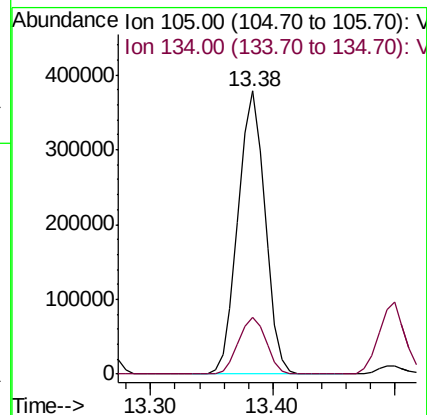
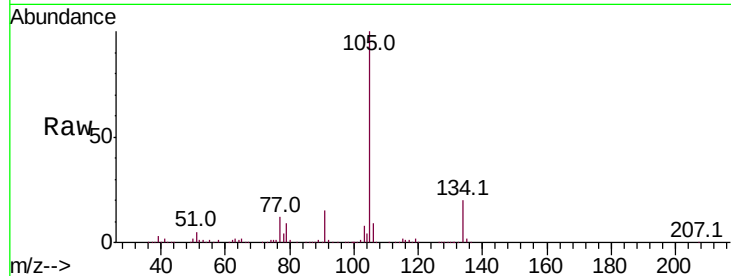
ClientSampleId :

Tot Ion:105 Resp: 578743

Ion Ratio Lower Upper

105 100

134 20.7 10.5 31.5



#86

p-Isopropyltoluene

Concen: 49.160 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

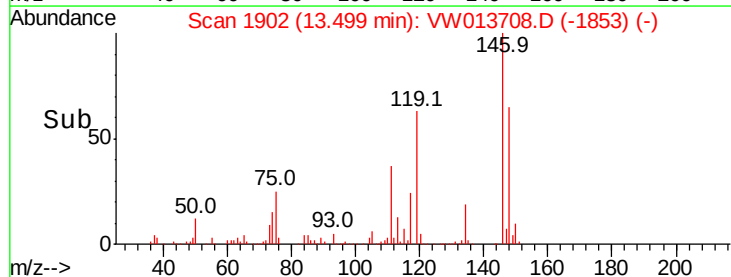
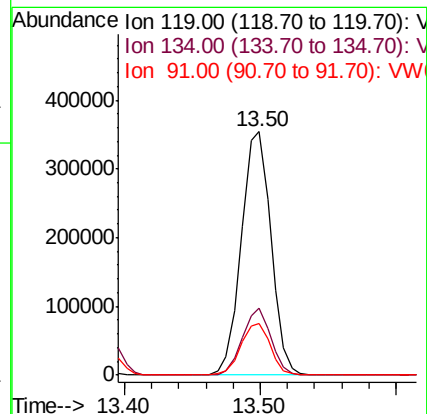
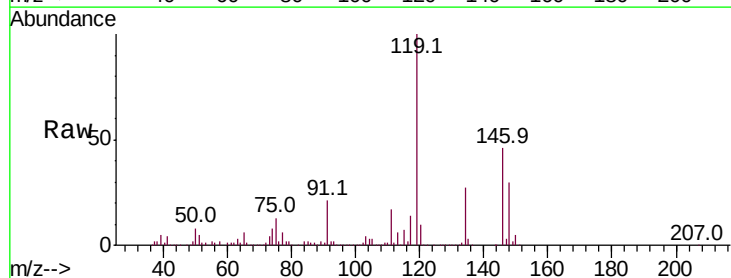
Tgt Ion:119 Resp: 537960

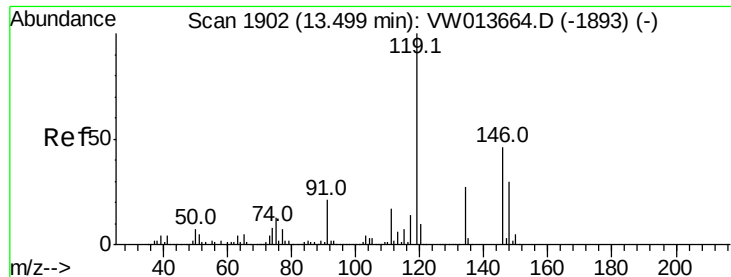
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 21.1 10.8 32.3

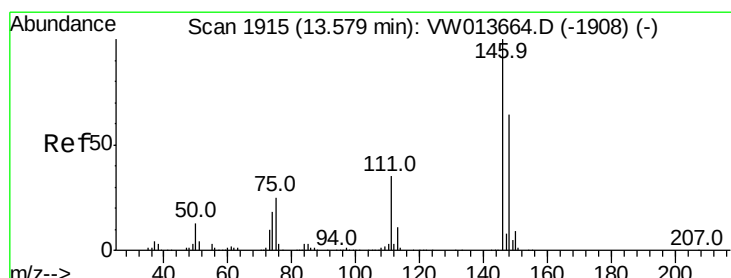
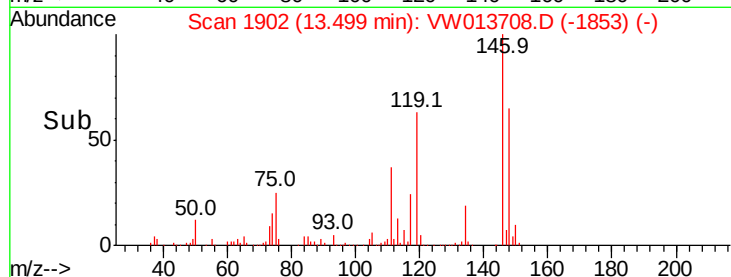
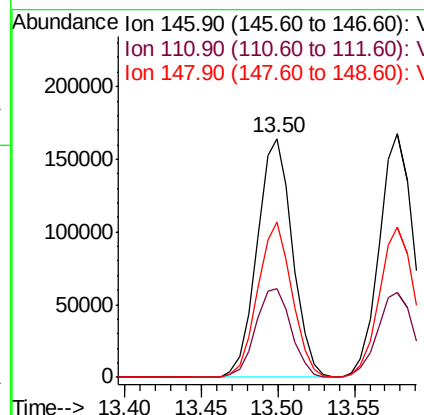
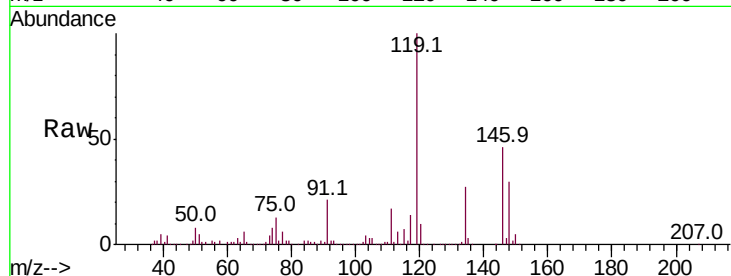




#87
 1,3-Dichlorobenzene
 Concen: 49.743 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

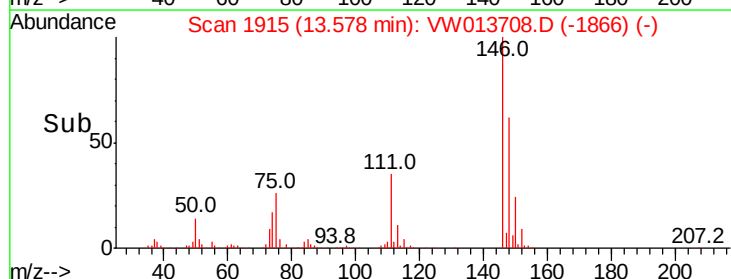
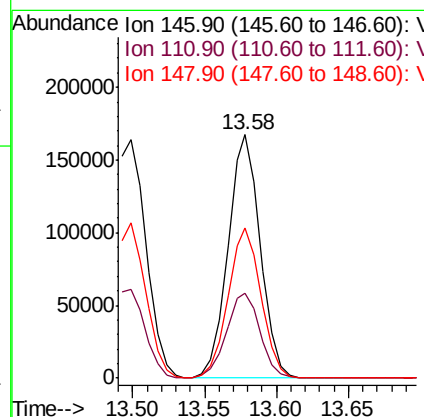
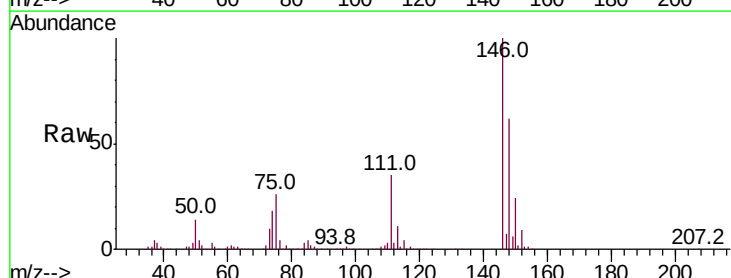
Instrument :
 MSVOA_W
 ClientSampleId :

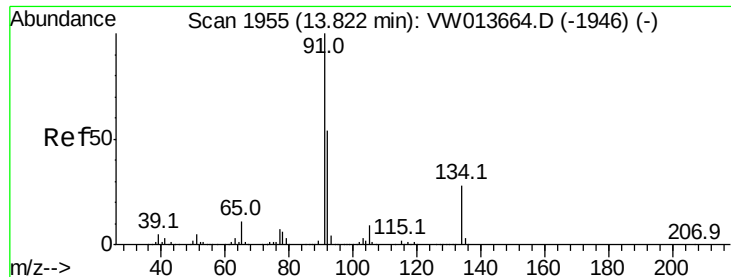
Tot Ion:146 Resp: 263958
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.6 56.0
 148 63.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 49.595 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

Tgt Ion:146 Resp: 261453
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.1 54.3
 148 63.1 32.0 96.2





#89

n-Butylbenzene

Concen: 47.359 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013708.D

Acq: 24 Oct 2019 10:29

Instrument :

MSVOA_W

ClientSampleId :

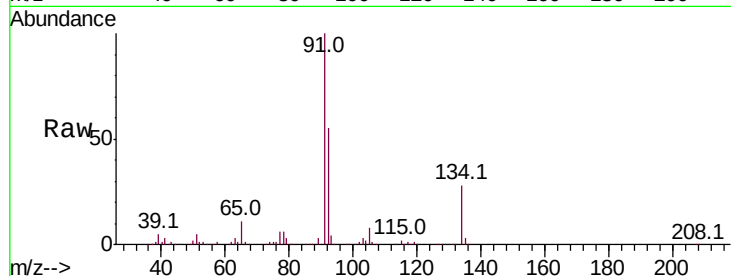
Tot Ion: 91 Resp: 467785

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	27.6	14.0	41.9

91 100

92 54.6 27.5 82.4

134 27.6 14.0 41.9

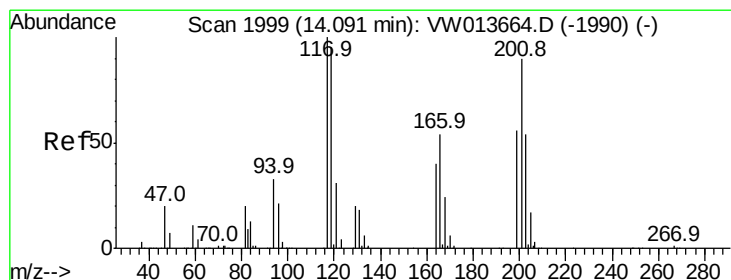
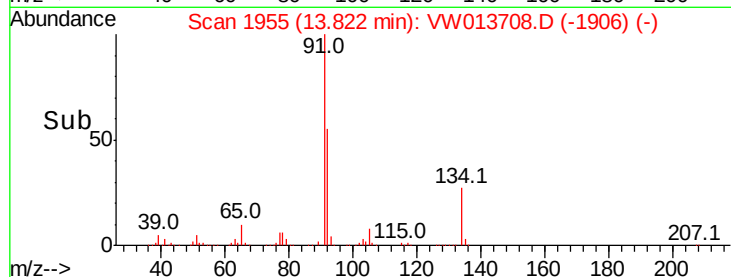
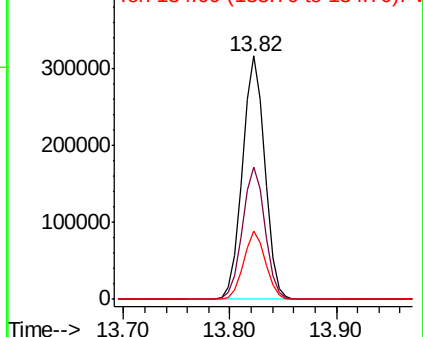


Abundance

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: 50.317 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013708.D

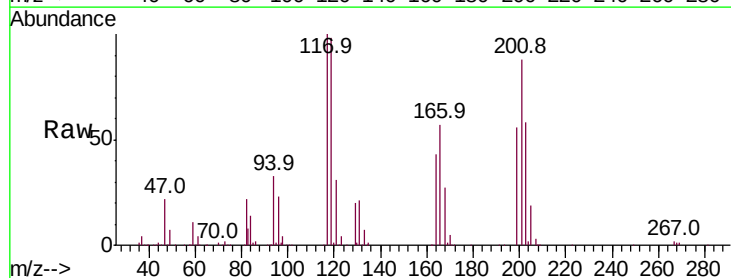
Acq: 24 Oct 2019 10:29

Tgt Ion: 117 Resp: 95708

Ion	Ratio	Lower	Upper
117	100		
201	91.6	46.1	138.2

117 100

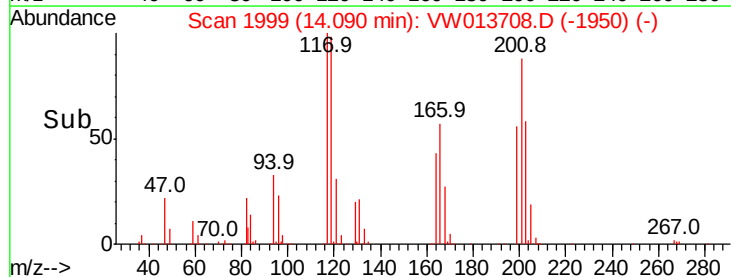
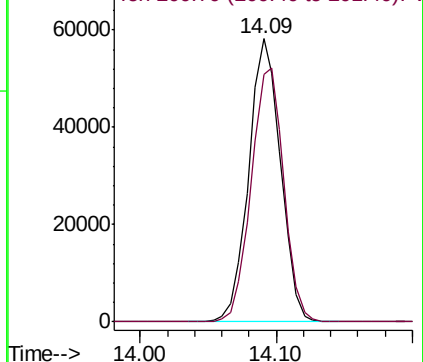
201 91.6 46.1 138.2

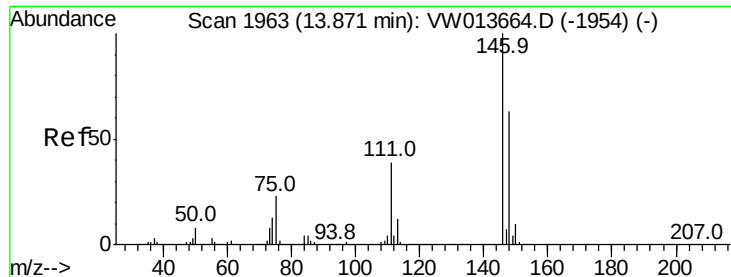


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

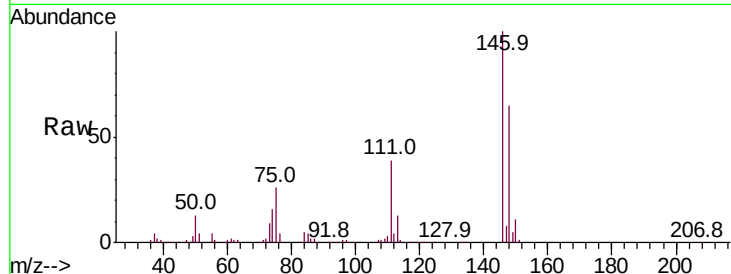




#91
 1,2-Dichlorobenzene
 Concen: 52.181 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.6
148	64.0	31.9	95.9

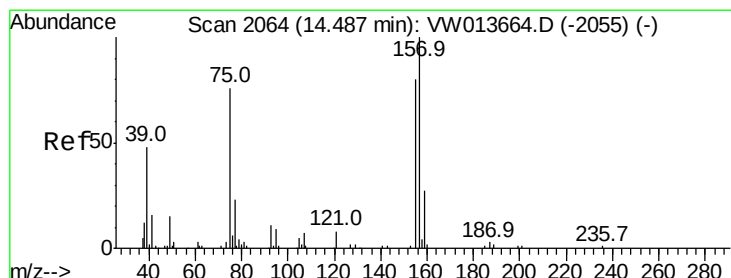
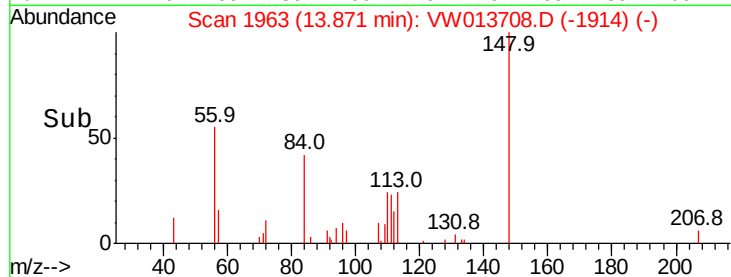
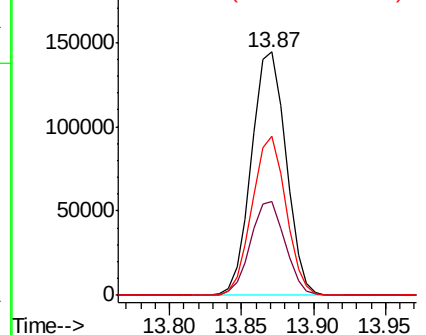


Abundance

Ion 145.90 (145.60 to 146.60): V

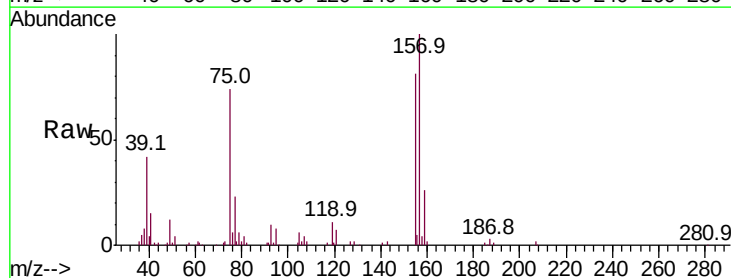
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 68.667 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	51.9	155.7
157	127.6	64.8	194.3

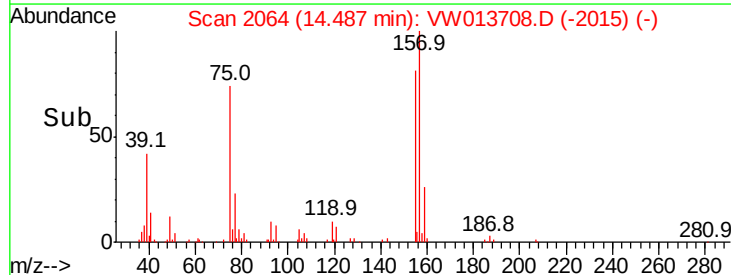
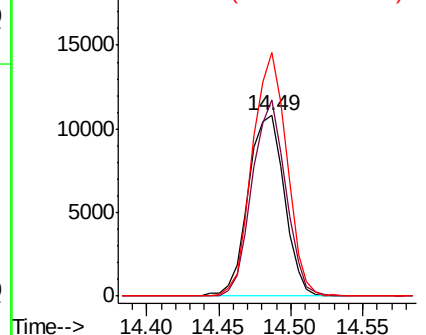


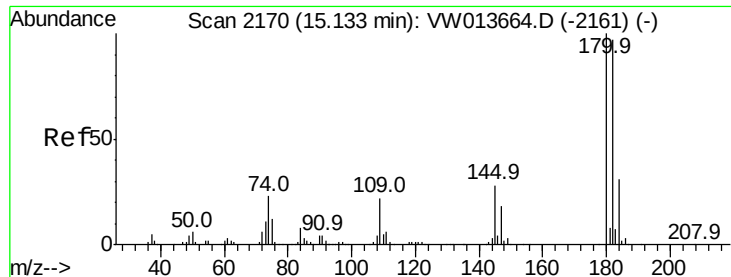
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

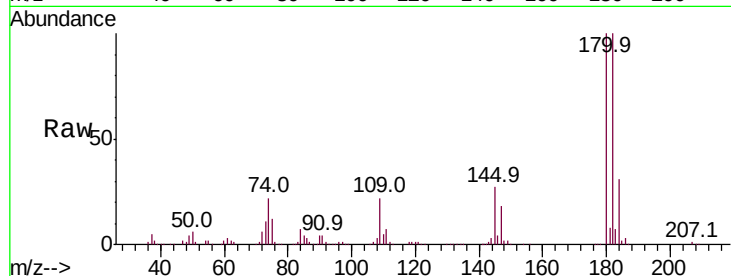




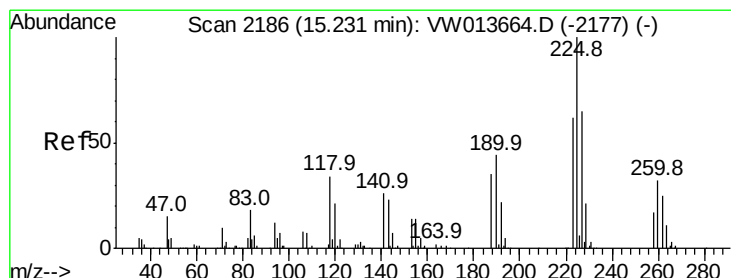
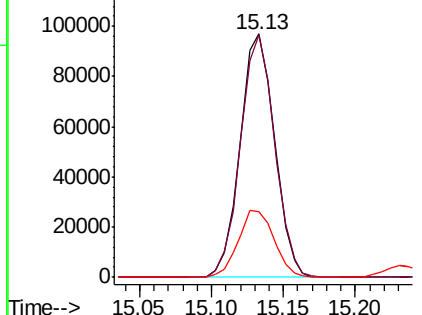
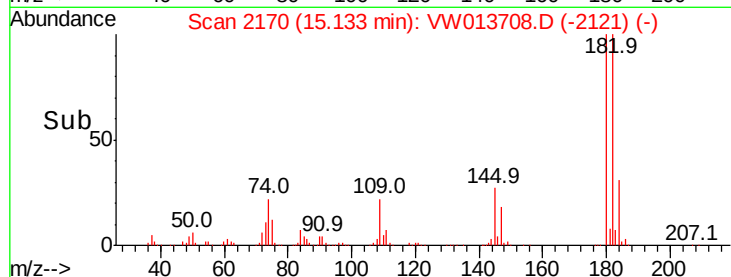
#93
 1,2,4-Trichlorobenzene
 Concen: 48.121 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 161132
 Ion Ratio Lower Upper
 180 100
 182 98.6 47.4 142.2
 145 28.4 14.1 42.3

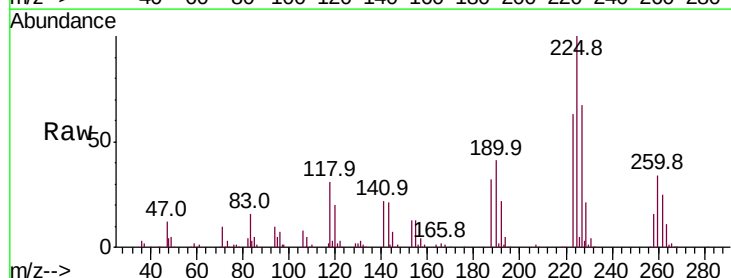


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

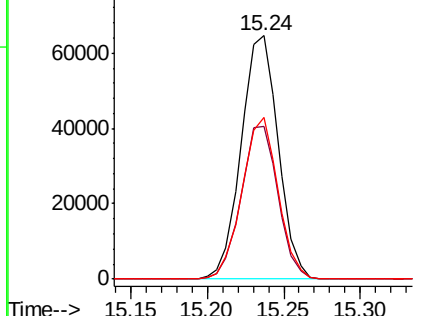
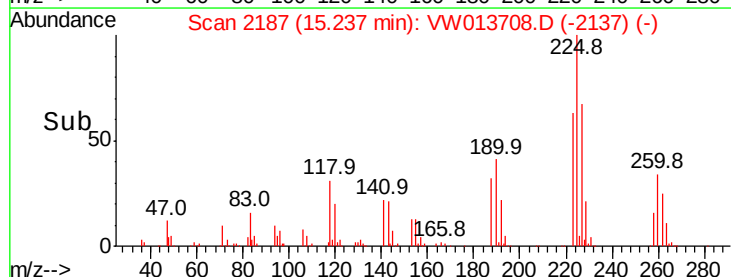


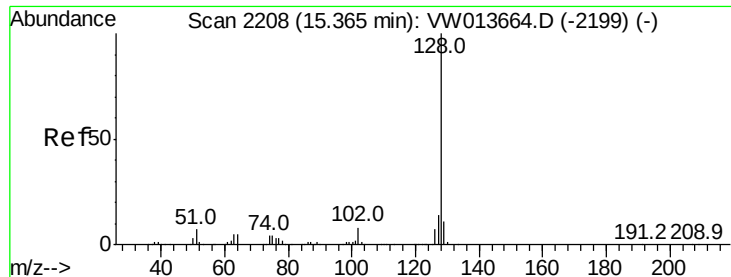
#94
 Hexachlorobutadiene
 Concen: 48.160 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013708.D
 Acq: 24 Oct 2019 10:29

Tgt Ion:225 Resp: 108867
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.9 95.9
 227 64.4 32.5 97.4



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

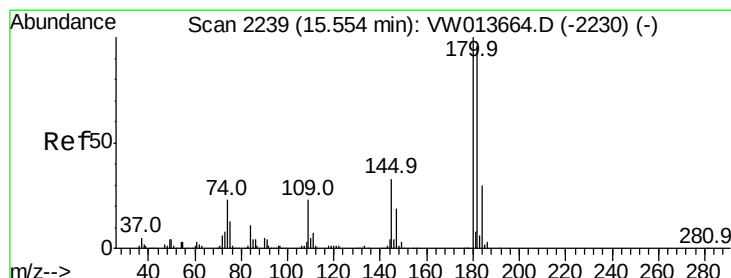
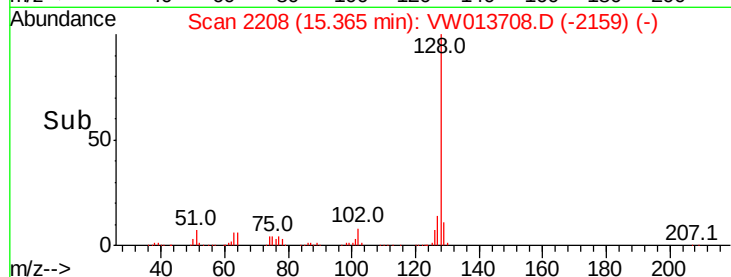
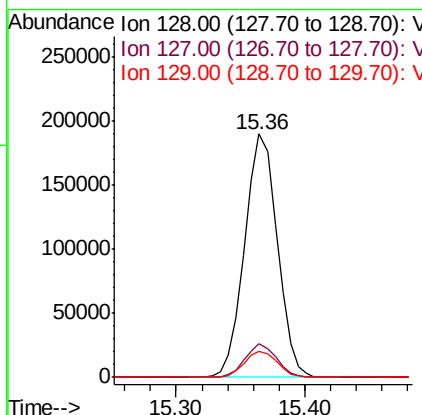
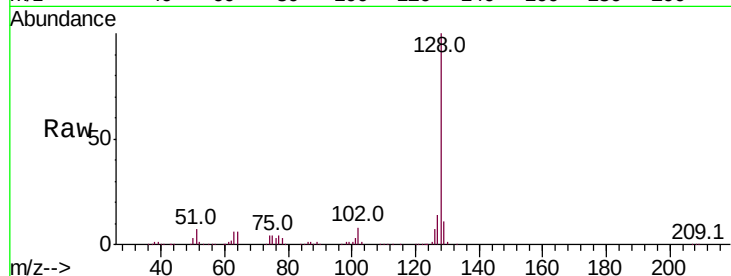




#95
Naphthalene
Concen: 63.432 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 333019
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.820 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013708.D
Acq: 24 Oct 2019 10:29

Tgt Ion:180 Resp: 152403
Ion Ratio Lower Upper
180 100
182 96.1 47.4 142.3
145 29.8 14.9 44.9

