

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091419\
 Data File : VW012955.D
 Acq On : 13 Sep 2019 15:24
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 13 17:03:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	404566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	351038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	175433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136478	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
35) Dibromofluoromethane	7.88	113	114434	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.32	98	464583	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
62) 4-Bromofluorobenzene	12.62	95	160463	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	54932	45.283	ug/l	100
3) Chloromethane	2.21	50	70244	45.279	ug/l	100
4) Vinyl Chloride	2.36	62	95833	47.186	ug/l	100
5) Bromomethane	2.77	94	57913	46.694	ug/l	100
6) Chloroethane	2.92	64	60728	48.753	ug/l	100
7) Trichlorofluoromethane	3.25	101	71933	50.649	ug/l	100
8) Diethyl Ether	3.68	74	54843	49.454	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106228	49.316	ug/l	100
10) Methyl Iodide	4.27	142	136016	50.456	ug/l	100
11) Tert butyl alcohol	5.16	59	46268	225.264	ug/l	100
12) 1,1-Dichloroethene	4.03	96	96704	49.375	ug/l	100
13) Acrolein	3.89	56	51286	266.799	ug/l	100
14) Allyl chloride	4.66	41	188246	50.628	ug/l	100
15) Acrylonitrile	5.37	53	143184	252.798	ug/l	100
16) Acetone	4.12	43	155310	249.484	ug/l	100
17) Carbon Disulfide	4.38	76	187240	47.972	ug/l	100
18) Methyl Acetate	4.67	43	70658	47.326	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	198947	51.459	ug/l	100
20) Methylene Chloride	4.91	84	111508	45.270	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	105736	50.406	ug/l	100
22) Diisopropyl ether	6.31	45	396960	51.391	ug/l	100
23) Vinyl Acetate	6.25	43	1217142	263.086	ug/l	100
24) 1,1-Dichloroethane	6.21	63	221567	49.750	ug/l	100
25) 2-Butanone	7.17	43	208592	250.326	ug/l	100
26) 2,2-Dichloropropane	7.16	77	151712	48.041	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	125318	49.900	ug/l	100
28) Bromochloromethane	7.51	49	94600	50.466	ug/l	100
29) Tetrahydrofuran	7.52	42	121307	255.497	ug/l	100
30) Chloroform	7.67	83	225716	49.880	ug/l	100
31) Cyclohexane	7.95	56	174118	45.887	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	186227	49.973	ug/l	100
36) 1,1-Dichloropropene	8.08	75	162180	50.166	ug/l	100
37) Ethyl Acetate	7.25	43	85803	50.003	ug/l	100
38) Carbon Tetrachloride	8.07	117	168227	50.779	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	176778	49.902	ug/l	100
40) Benzene	8.32	78	459149	50.875	ug/l	100
41) Methacrylonitrile	7.48	41	56908	50.360	ug/l	100
42) 1,2-Dichloroethane	8.40	62	153673	50.795	ug/l	100
43) Isopropyl Acetate	8.42	43	169878	51.561	ug/l	100
44) Trichloroethene	9.09	130	123445	49.937	ug/l	100
45) 1,2-Dichloropropane	9.37	63	123597	51.546	ug/l	100
46) Dibromomethane	9.46	93	58995	51.354	ug/l	100
47) Bromodichloromethane	9.64	83	168555	52.308	ug/l	100
48) Methyl methacrylate	9.43	41	79196	51.218	ug/l	100
49) 1,4-Dioxane	9.45	88	20198	1049.284	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	438555	257.827	ug/l	100
52) Toluene	10.38	92	295168	51.469	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	169959	52.444	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	193496	52.183	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	88975	50.841	ug/l	100
56) Ethyl methacrylate	10.65	69	125025	53.075	ug/l	100
57) 1,3-Dichloropropane	10.93	76	160667	51.754	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	324583	256.867	ug/l	100
59) 2-Hexanone	10.97	43	312264	263.647	ug/l	100
60) Dibromochloromethane	11.13	129	111537	52.716	ug/l	100
61) 1,2-Dibromoethane	11.23	107	82814	51.874	ug/l	100
64) Tetrachloroethene	10.86	164	104313	49.950	ug/l	100
65) Chlorobenzene	11.66	112	313130	50.078	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	123213	51.421	ug/l	100
67) Ethyl Benzene	11.73	91	599080	51.877	ug/l	100
68) m/p-Xylenes	11.84	106	439047	104.072	ug/l	100
69) o-Xylene	12.16	106	204686	51.752	ug/l	100
70) Styrene	12.18	104	365902	52.006	ug/l	100
71) Bromoform	12.35	173	66547	52.872	ug/l #	100
73) Isopropylbenzene	12.46	105	602159	51.785	ug/l	100
74) N-amyl acetate	12.27	43	155209	51.888	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	106156	51.978	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	140489	94.911	ug/l #	100
77) Bromobenzene	12.74	156	136070	50.794	ug/l	100
78) n-propylbenzene	12.80	91	713112	52.135	ug/l	100
79) 2-Chlorotoluene	12.89	91	404023	51.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	504147	51.248	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35257	52.048	ug/l	100
82) 4-Chlorotoluene	12.99	91	431190	51.973	ug/l	100
83) tert-Butylbenzene	13.21	119	456626	51.894	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	503781	51.824	ug/l	100
85) sec-Butylbenzene	13.38	105	621650	51.854	ug/l	100
86) p-Isopropyltoluene	13.50	119	571238	51.899	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	267293	50.404	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	266590	51.156	ug/l	100
89) n-Butylbenzene	13.82	91	541809	52.196	ug/l	100
90) Hexachloroethane	14.09	117	100782	51.095	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	234930	50.377	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18373	49.147	ug/l	100

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QLast Update : Fri Sep 13 16:59:20 2019
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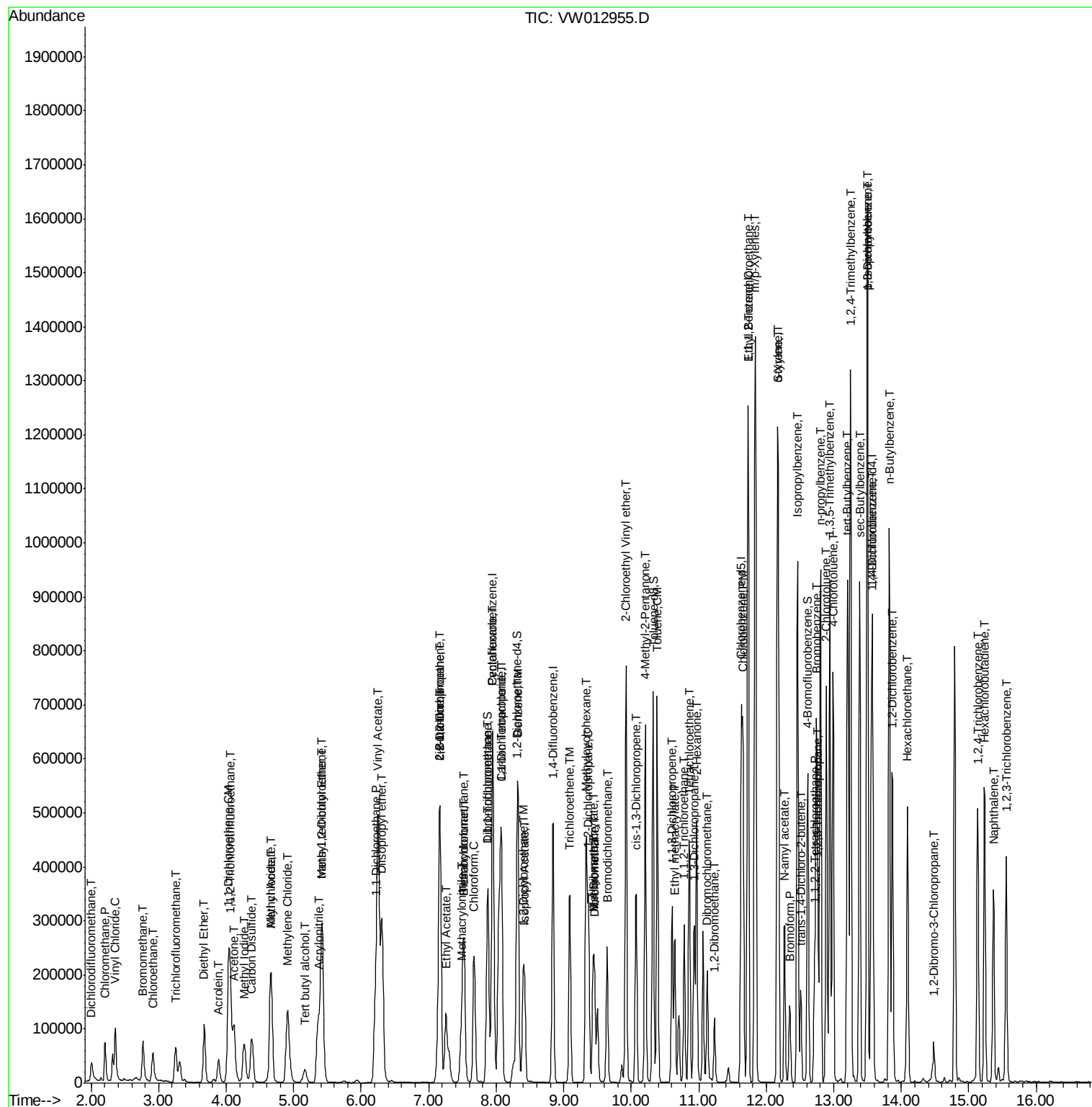
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	170847	51.369	ug/l	100
94) Hexachlorobutadiene	15.24	225	116275	49.386	ug/l	100
95) Naphthalene	15.36	128	299336	53.866	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	149290	50.779	ug/l	100

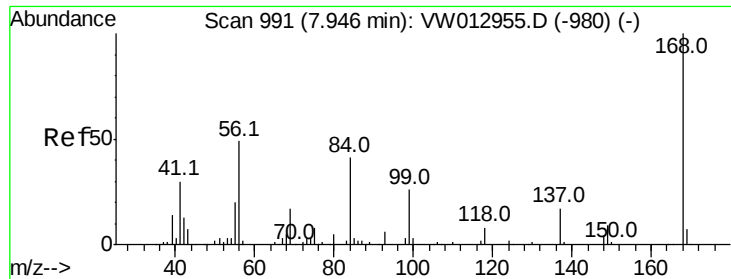
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

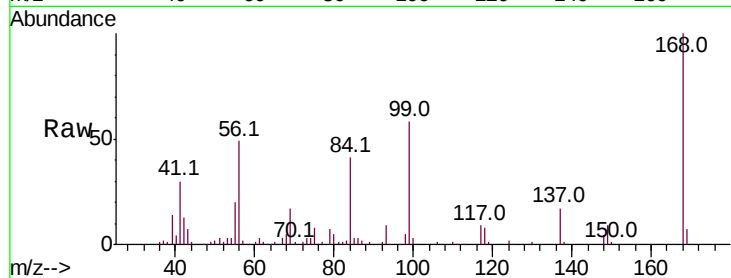
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 283744

Ion Ratio Lower Upper

168 100

99 57.7 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

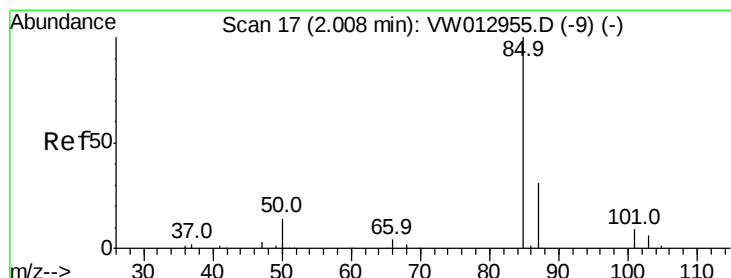
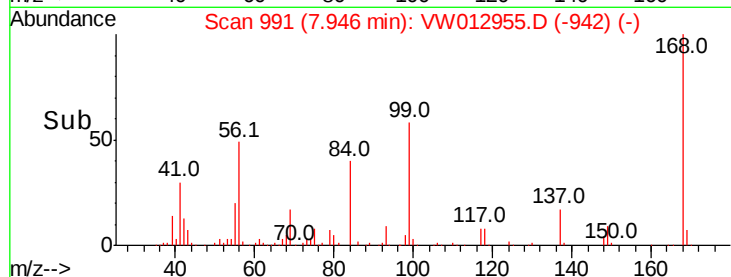
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 45.283 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012955.D

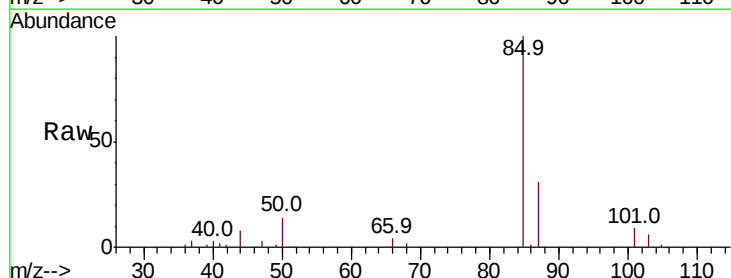
Acq: 13 Sep 2019 15:24

Tgt Ion: 85 Resp: 54932

Ion Ratio Lower Upper

85 100

87 30.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

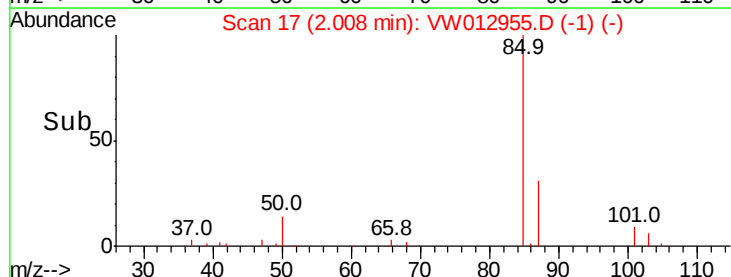
15000

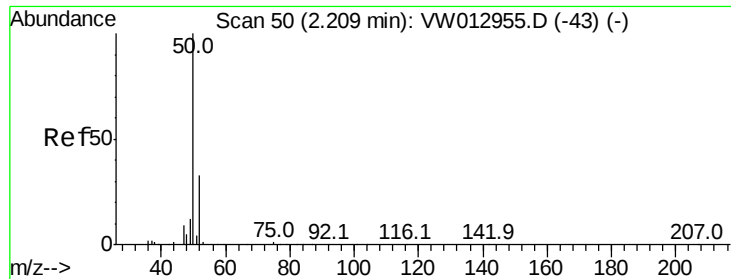
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 45.279 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

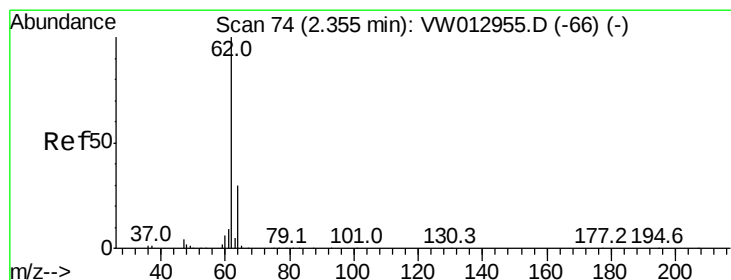
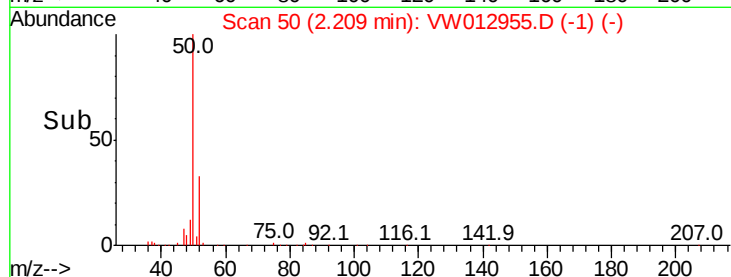
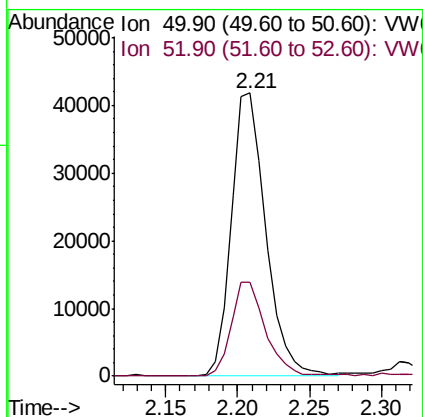
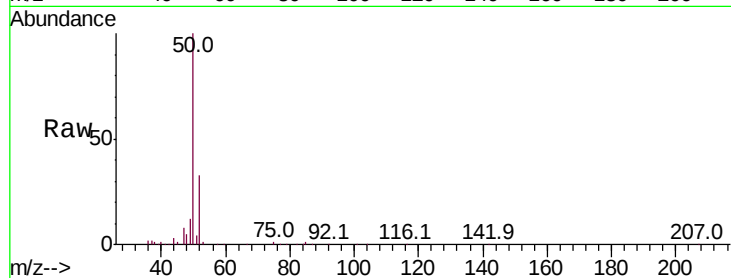
ClientSampleId :

Tot Ion: 50 Resp: 70244

Ion Ratio Lower Upper

50 100

52 33.2 26.6 39.8



#4

Vinyl Chloride

Concen: 47.186 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW012955.D

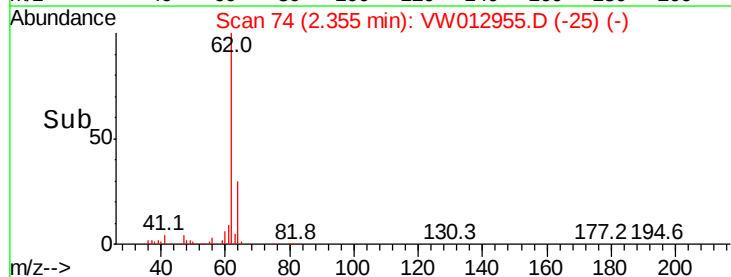
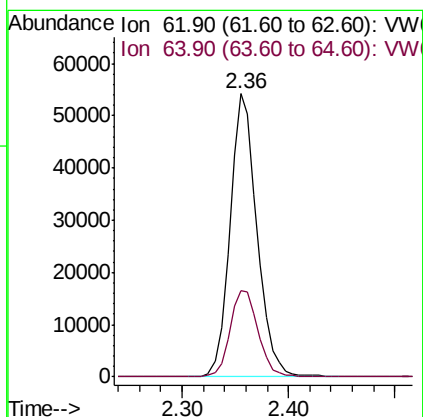
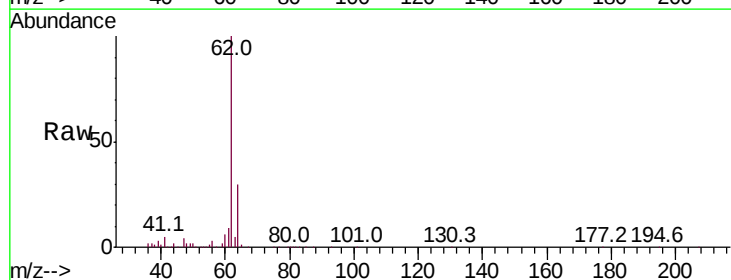
Acq: 13 Sep 2019 15:24

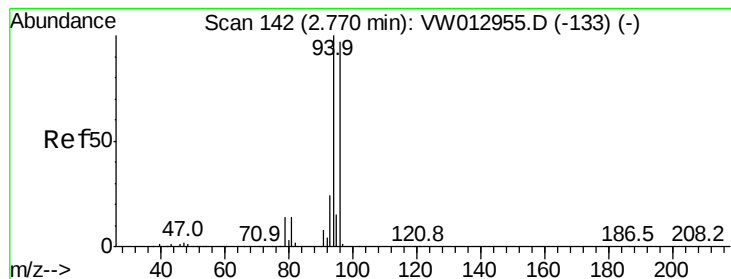
Tgt Ion: 62 Resp: 95833

Ion Ratio Lower Upper

62 100

64 30.3 24.2 36.4





#5

Bromomethane

Concen: 46.694 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

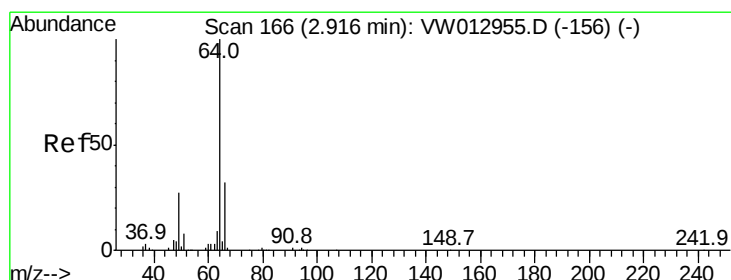
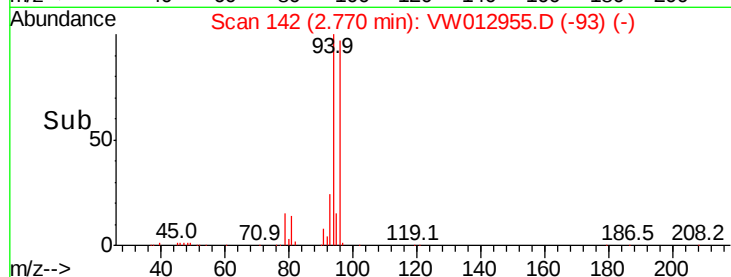
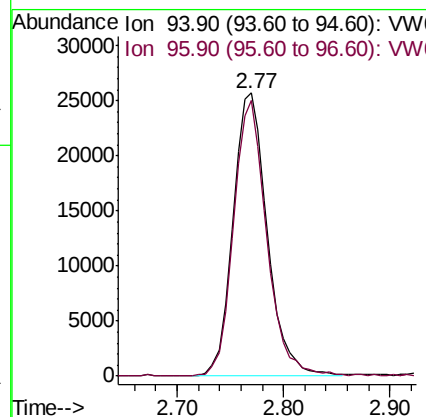
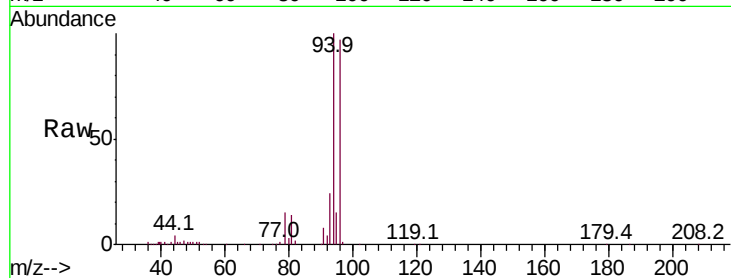
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 57913

Ion Ratio Lower Upper

94 100

96 97.2 77.8 116.6



#6

Chloroethane

Concen: 48.753 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012955.D

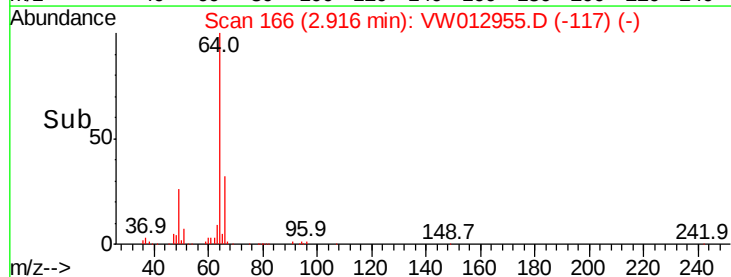
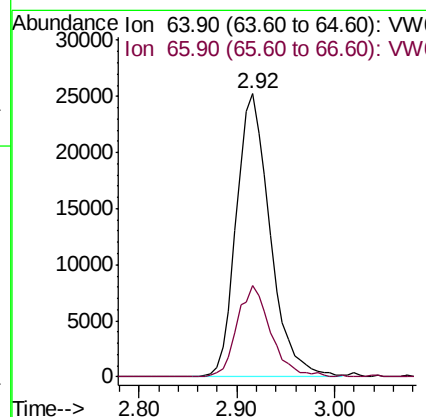
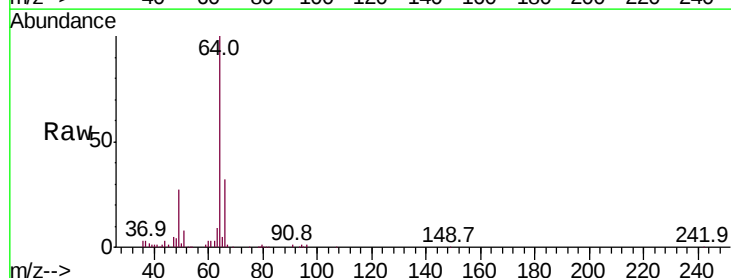
Acq: 13 Sep 2019 15:24

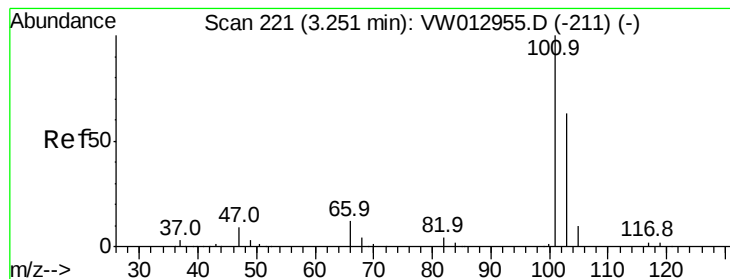
Tgt Ion: 64 Resp: 60728

Ion Ratio Lower Upper

64 100

66 32.4 25.9 38.9



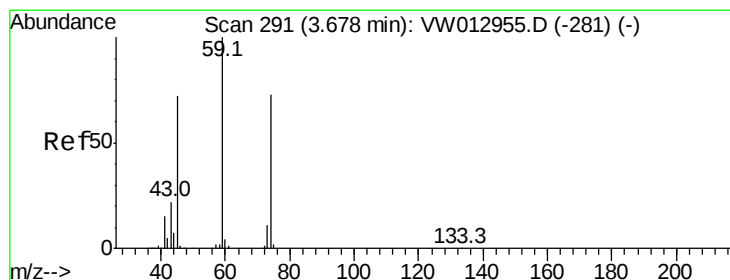
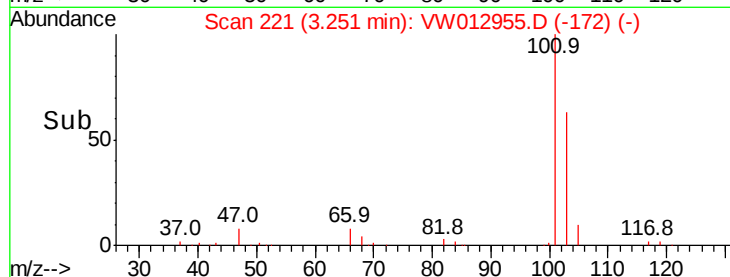
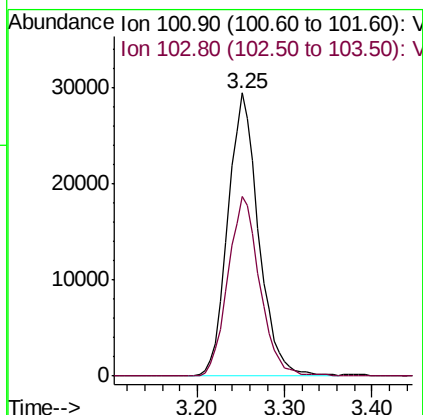
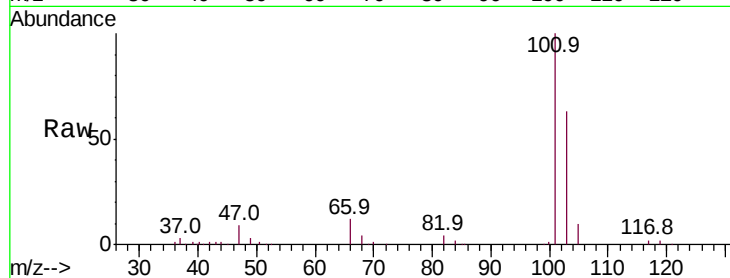


#7

Trichlorofluoromethane
Concen: 50.649 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Instrument :
MSVOA_W
ClientSampleId :

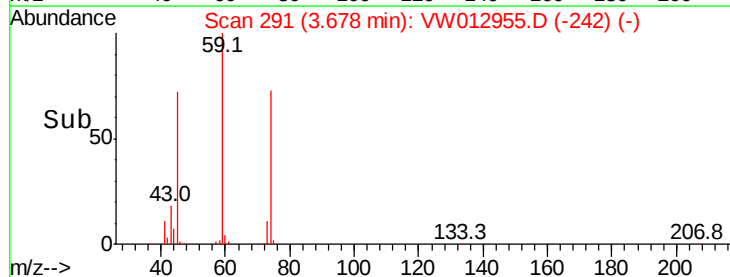
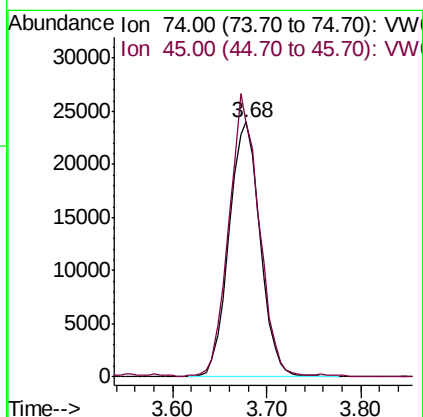
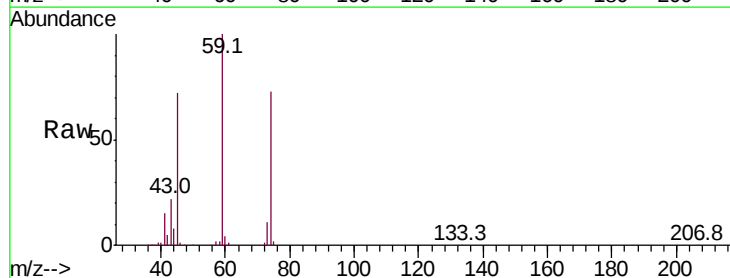
Tot Ion:101 Resp: 71933
Ion Ratio Lower Upper
101 100
103 63.4 50.7 76.1

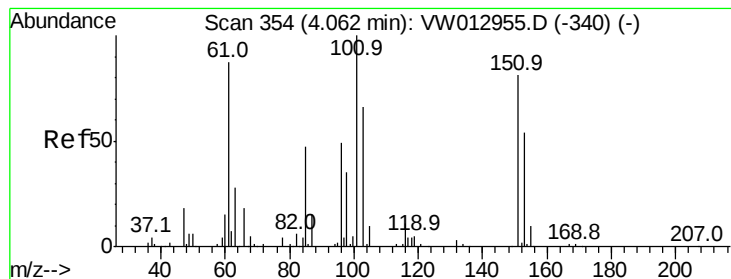


#8

Diethyl Ether
Concen: 49.454 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Tgt Ion: 74 Resp: 54843
Ion Ratio Lower Upper
74 100
45 107.6 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.316 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

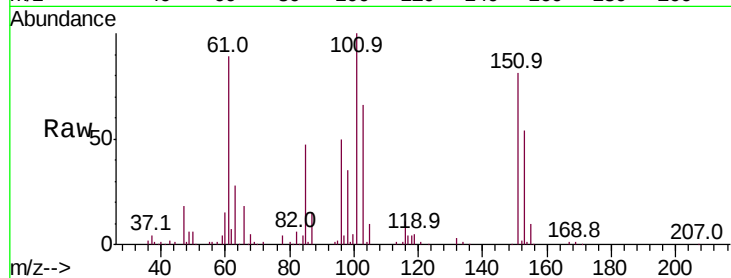
Tot Ion:101 Resp: 106228

Ion Ratio Lower Upper

101 100

85 43.6 34.9 52.3

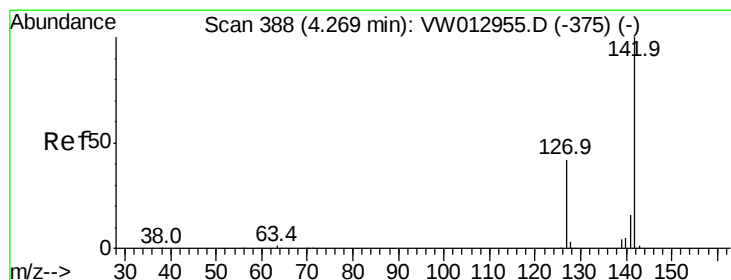
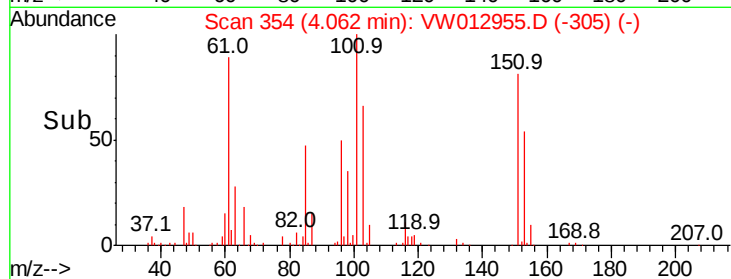
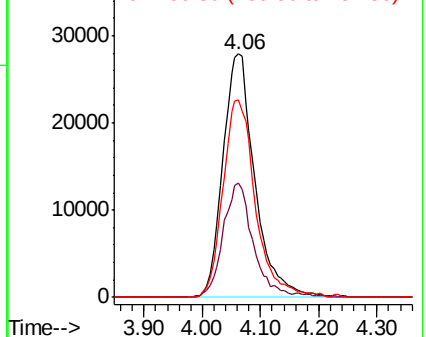
151 82.5 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.456 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

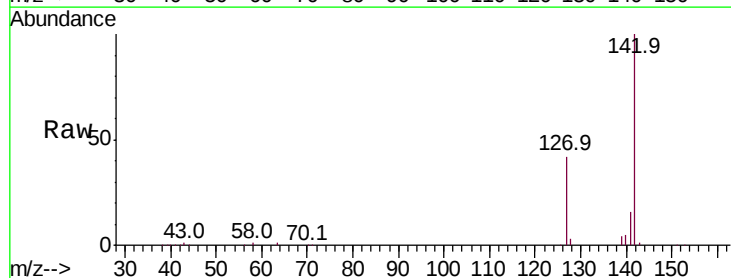
Tgt Ion:142 Resp: 136016

Ion Ratio Lower Upper

142 100

127 43.4 34.7 52.1

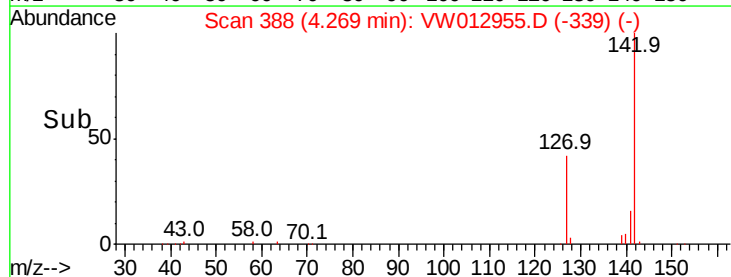
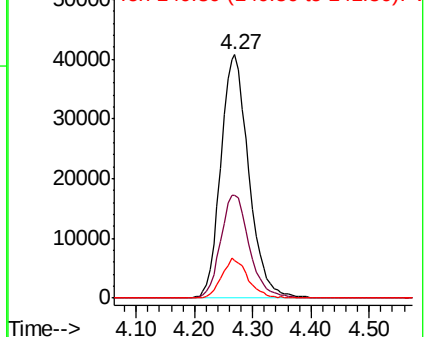
141 15.2 12.2 18.2

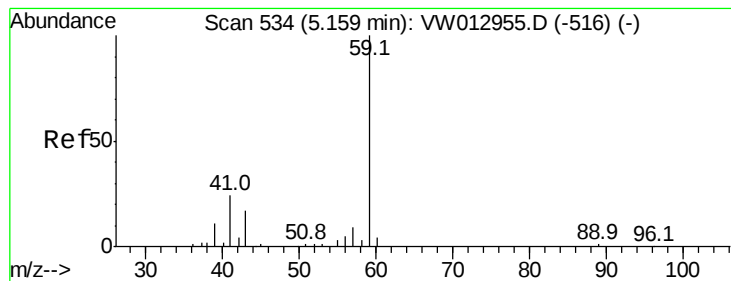


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



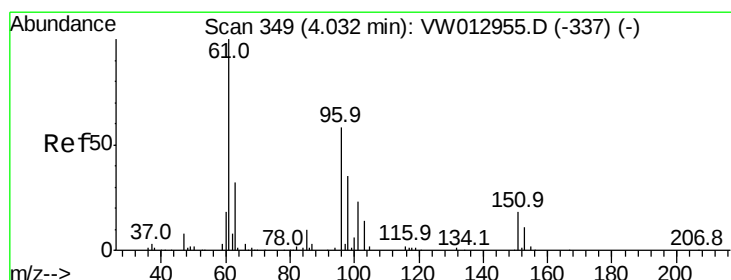
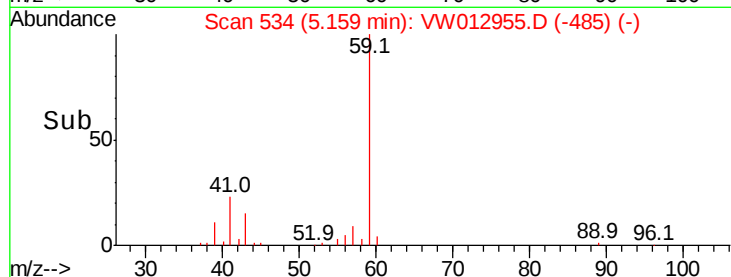
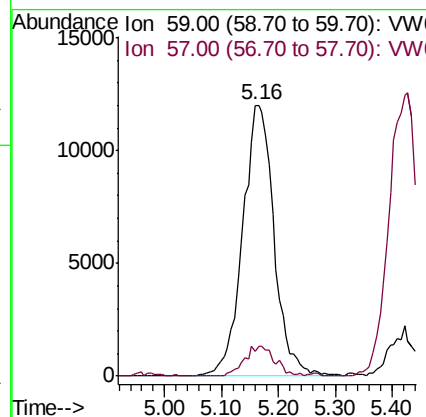
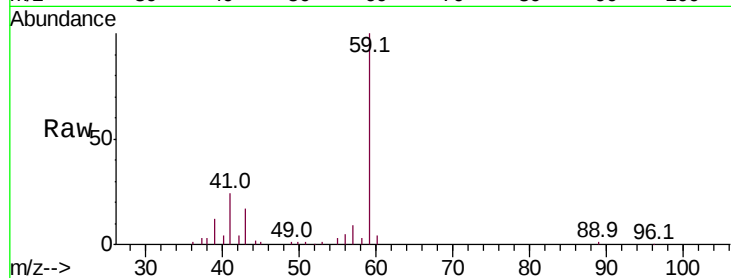


#11

Tert butyl alcohol
 Concen: 225.264 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

Instrument :
 MSVOA_W
 ClientSampled :

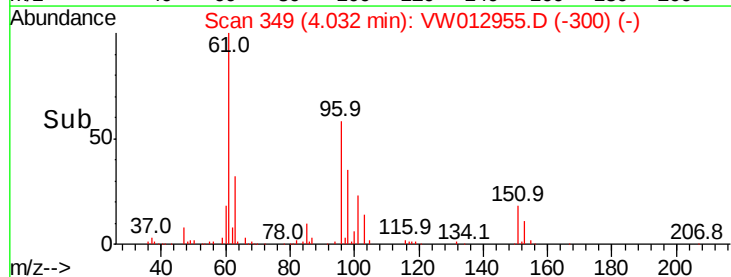
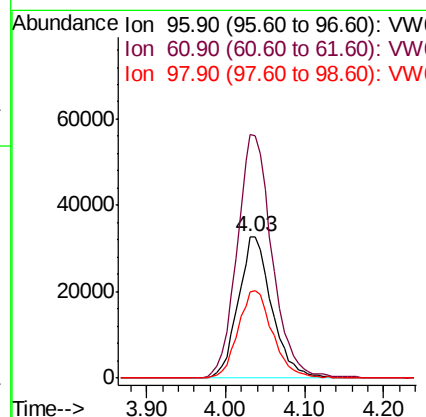
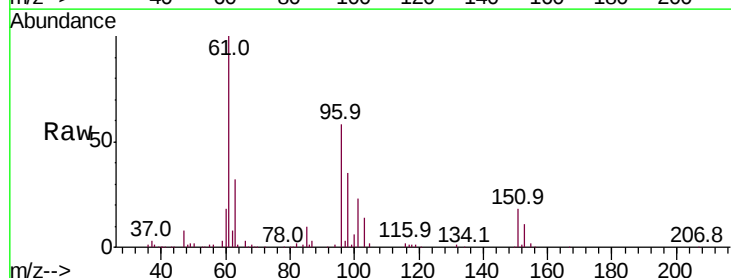
Tot Ion: 59 Resp: 46268
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.5 12.7

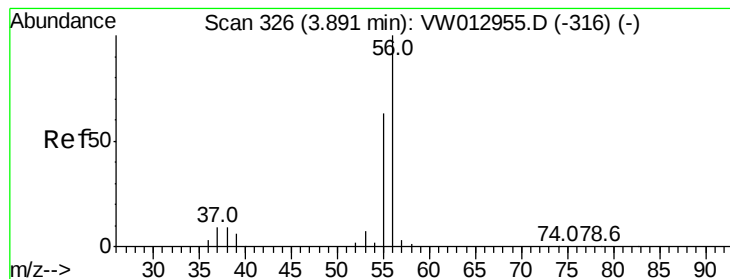


#12

1,1-Dichloroethene
 Concen: 49.375 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

Tgt Ion: 96 Resp: 96704
 Ion Ratio Lower Upper
 96 100
 61 172.4 137.9 206.9
 98 61.1 48.9 73.3





#13

Acrolein

Concen: 266.799 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

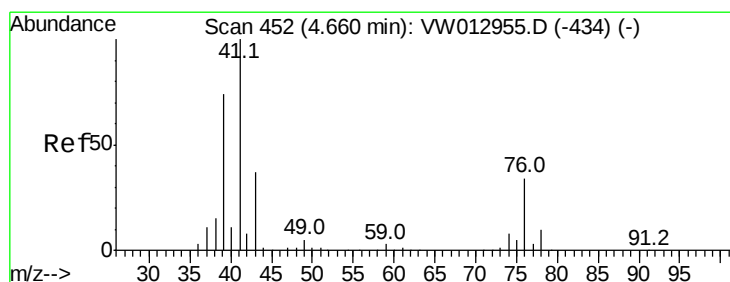
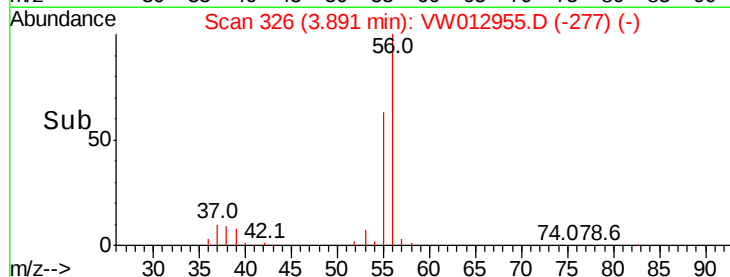
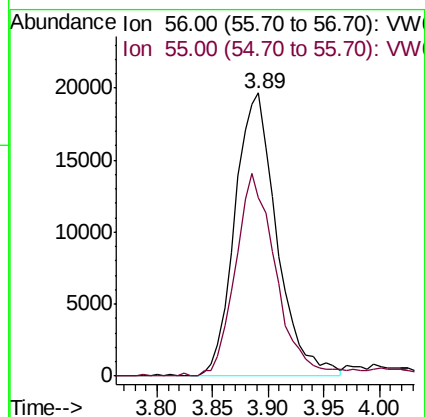
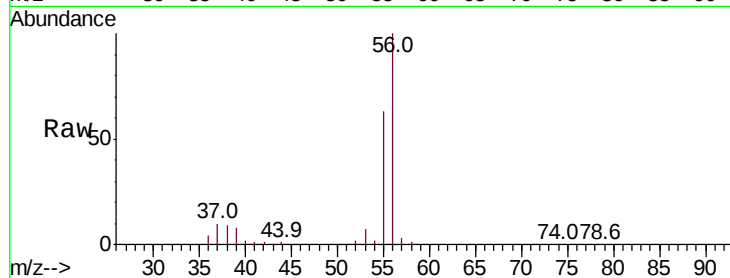
ClientSampled :

Tot Ion: 56 Resp: 51286

Ion Ratio Lower Upper

56 100

55 69.8 55.8 83.8



#14

Allyl chloride

Concen: 50.628 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

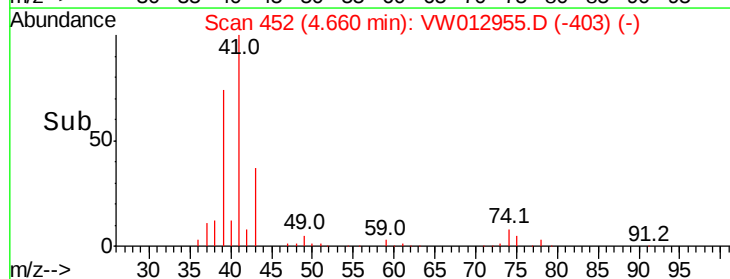
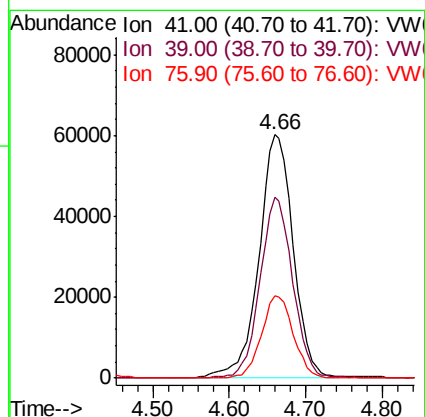
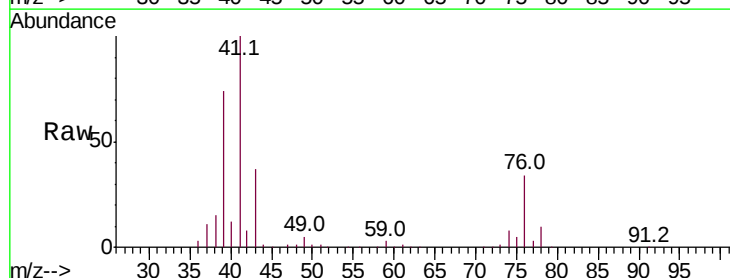
Tgt Ion: 41 Resp: 188246

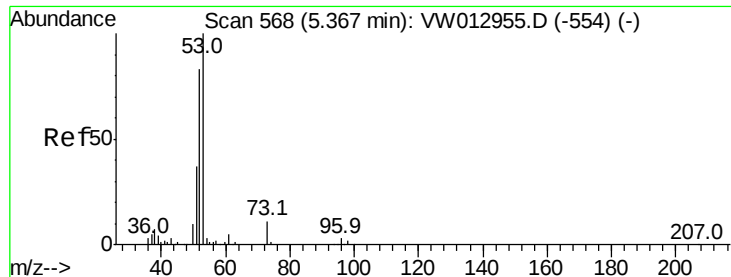
Ion Ratio Lower Upper

41 100

39 70.9 56.7 85.1

76 31.4 25.1 37.7





#15

Acrylonitrile

Concen: 252.798 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

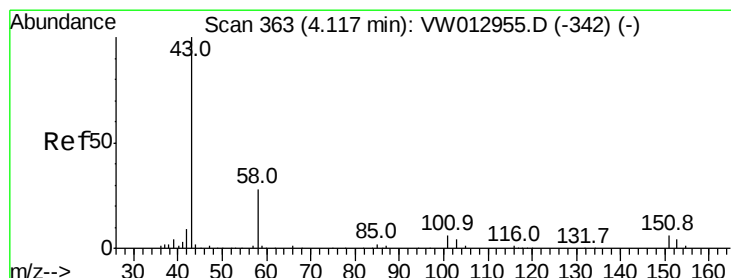
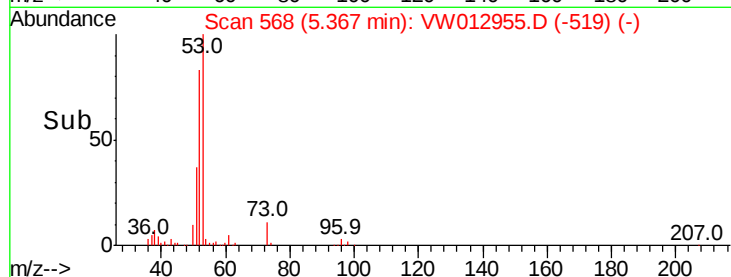
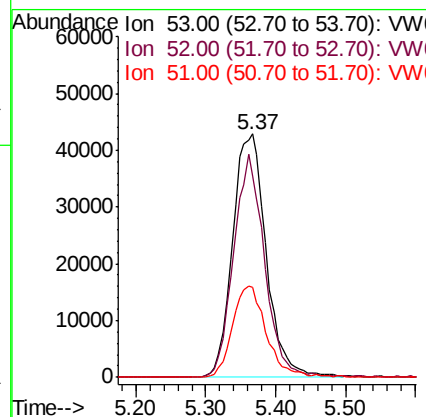
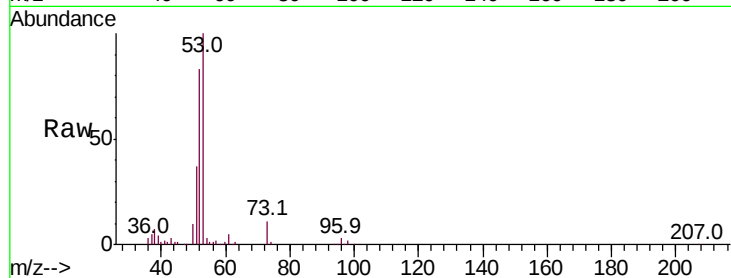
Tot Ion: 53 Resp: 143184

Ion Ratio Lower Upper

53 100

52 83.3 66.6 100.0

51 37.3 29.8 44.8



#16

Acetone

Concen: 249.484 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012955.D

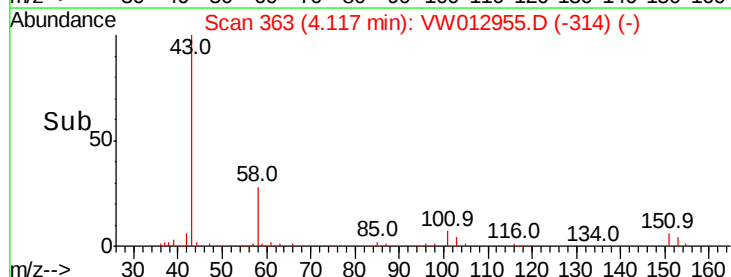
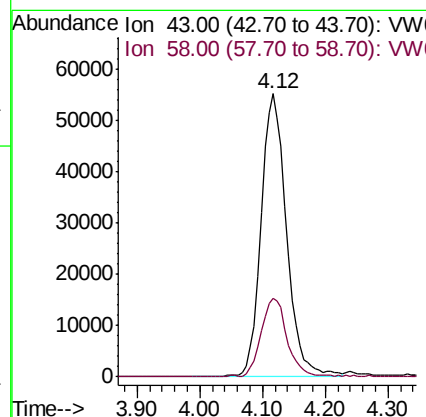
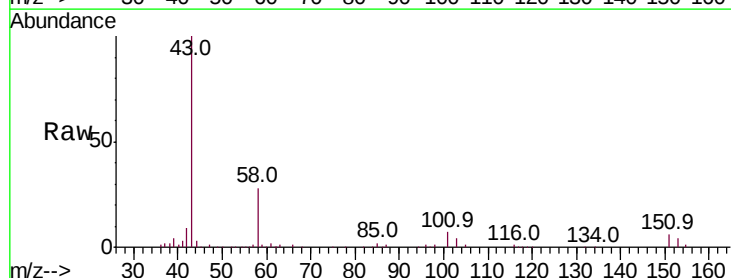
Acq: 13 Sep 2019 15:24

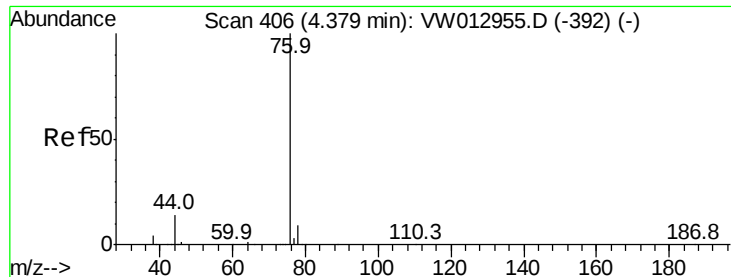
Tgt Ion: 43 Resp: 155310

Ion Ratio Lower Upper

43 100

58 27.9 22.3 33.5

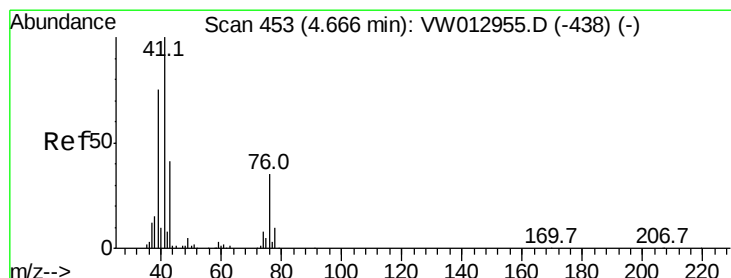
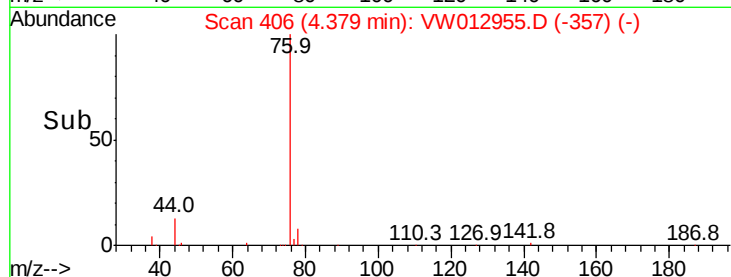
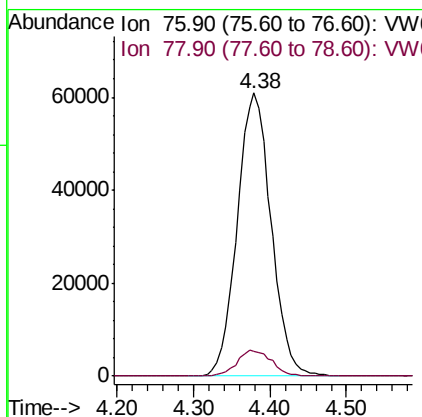
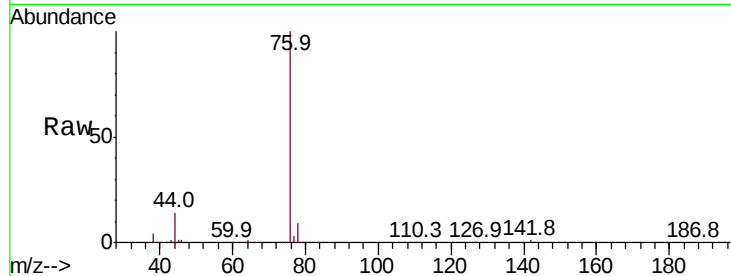




#17
Carbon Disulfide
Concen: 47.972 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

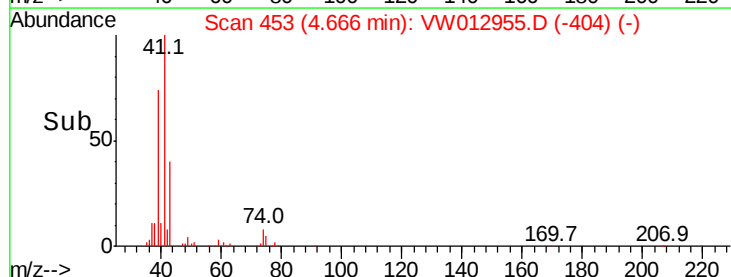
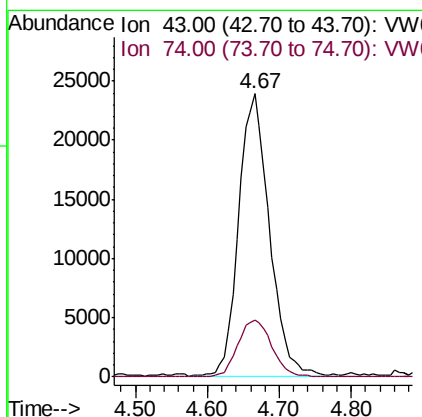
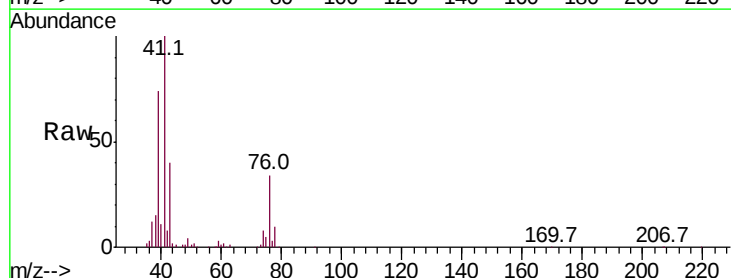
Instrument :
MSVOA_W
ClientSampleId :

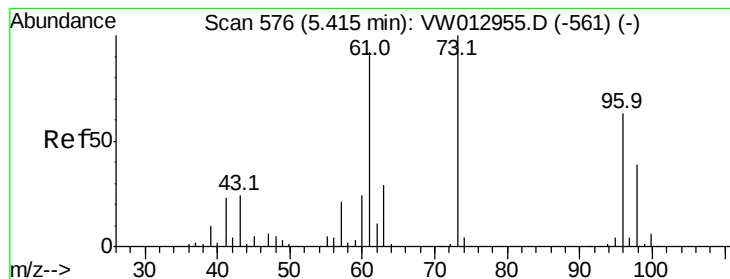
Tot Ion: 76 Resp: 187240
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 47.326 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Tgt Ion: 43 Resp: 70658
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.8



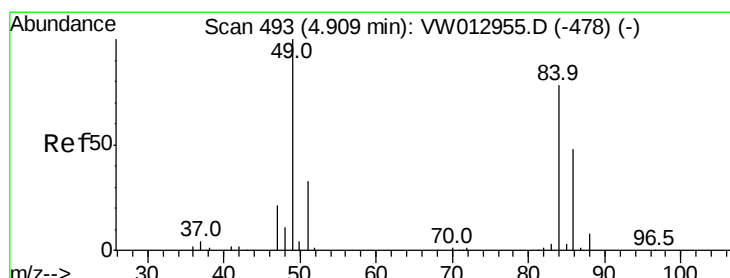
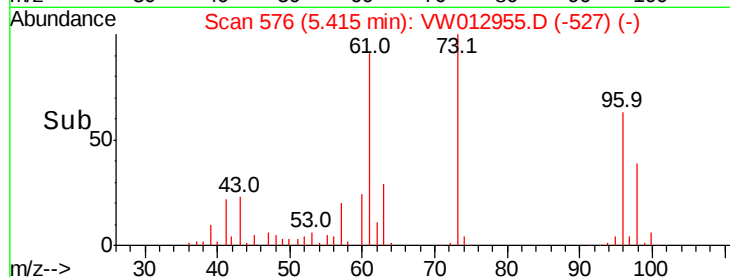
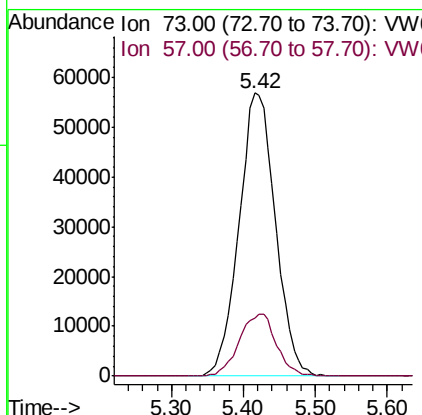
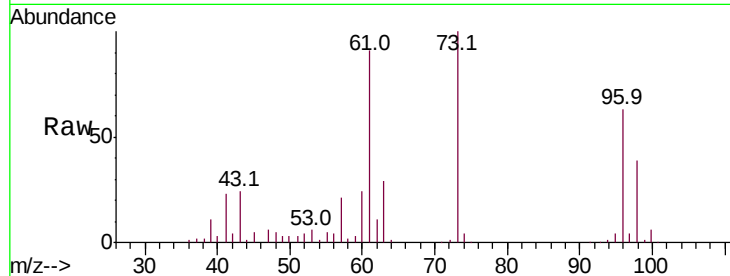


#19

Methyl tert-butyl Ether
 Concen: 51.459 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

Instrument :
 MSVOA_W
 ClientSampleId :

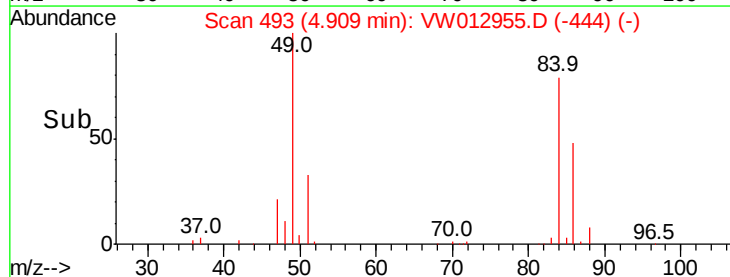
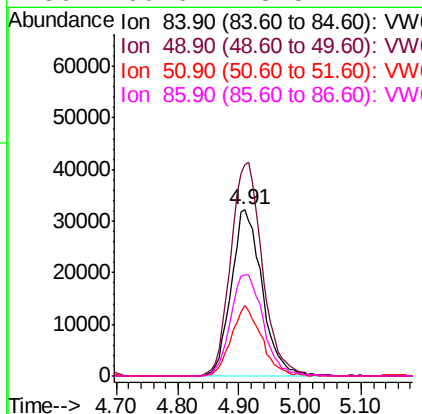
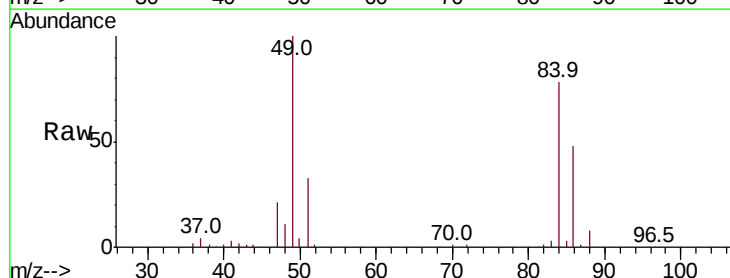
Tot Ion: 73 Resp: 198947
 Ion Ratio Lower Upper
 73 100
 57 20.5 16.4 24.6

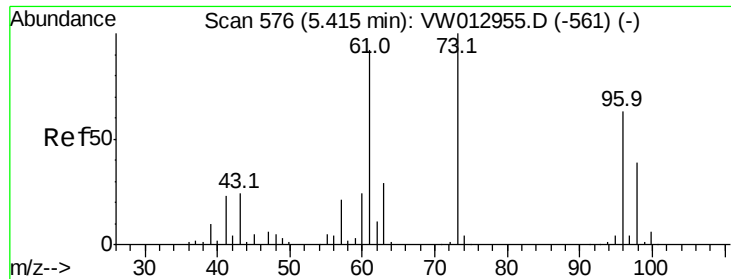


#20

Methylene Chloride
 Concen: 45.270 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

Tgt Ion: 84 Resp: 111508
 Ion Ratio Lower Upper
 84 100
 49 127.5 102.0 153.0
 51 42.5 34.0 51.0
 86 60.6 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 50.406 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

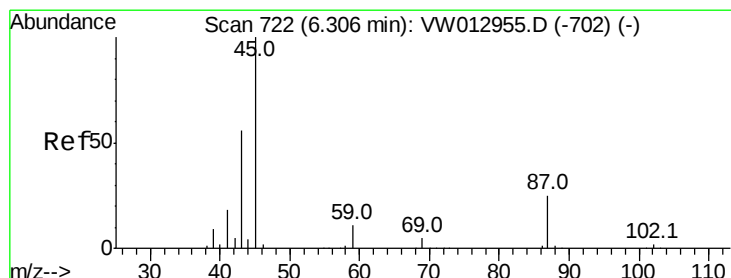
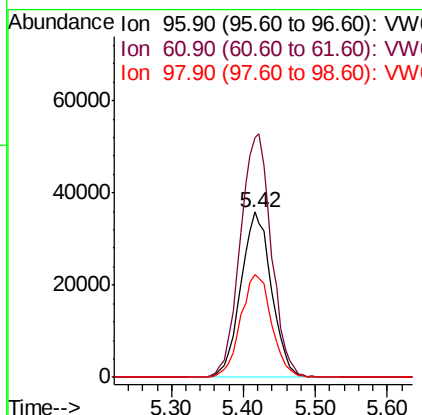
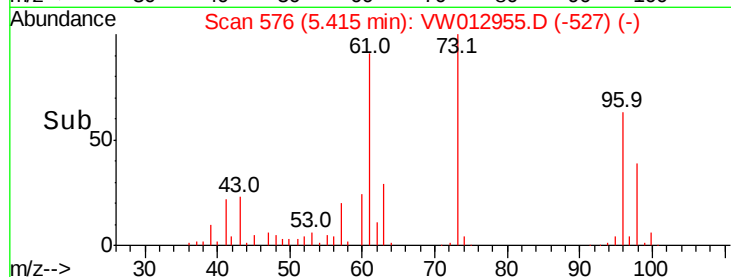
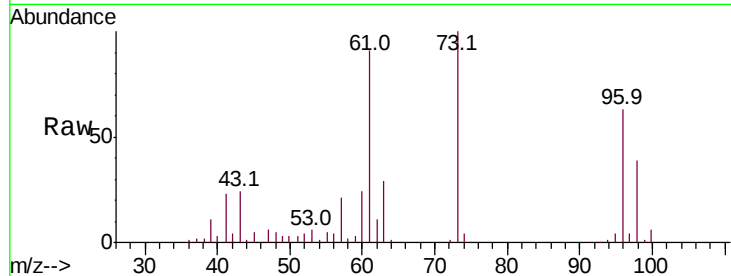
Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 105736

Ion	Ratio	Lower	Upper
96	100		
61	145.2	116.2	174.2
98	62.2	49.8	74.6



#22

Diisopropyl ether

Concen: 51.391 ug/l

RT: 6.31 min Scan# 722

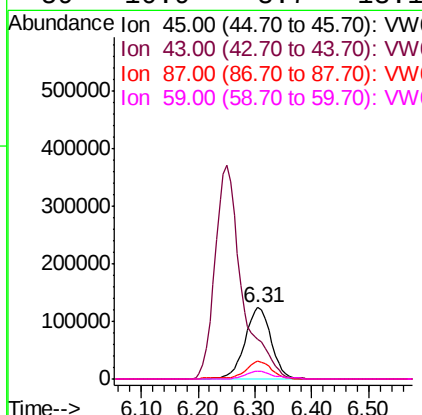
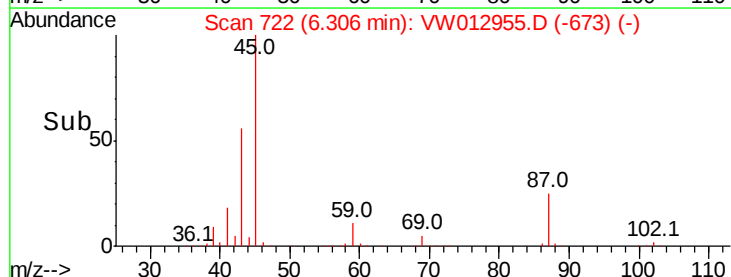
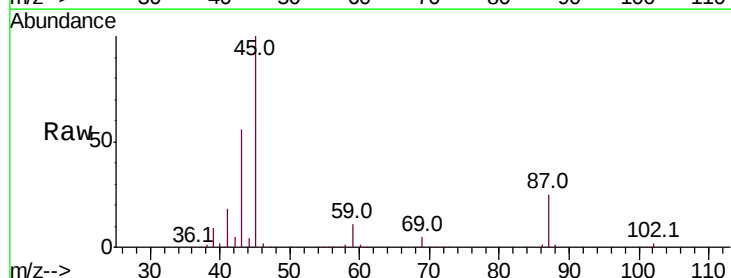
Delta R.T. 0.00 min

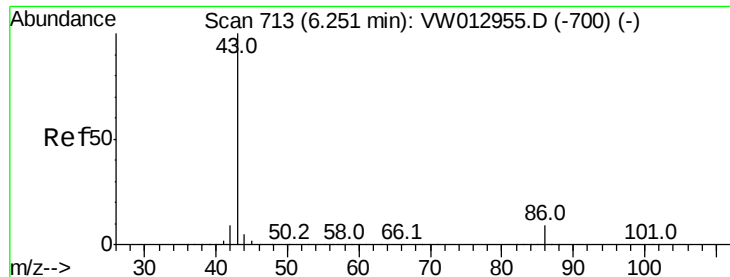
Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Tgt Ion: 45 Resp: 396960

Ion	Ratio	Lower	Upper
45	100		
43	55.8	44.6	67.0
87	25.0	20.0	30.0
59	10.9	8.7	13.1





#23

Vinyl Acetate

Concen: 263.086 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

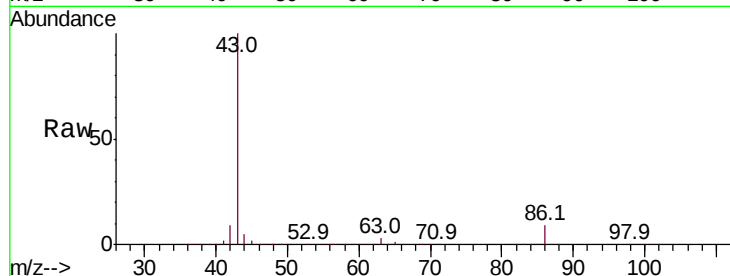
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1217142

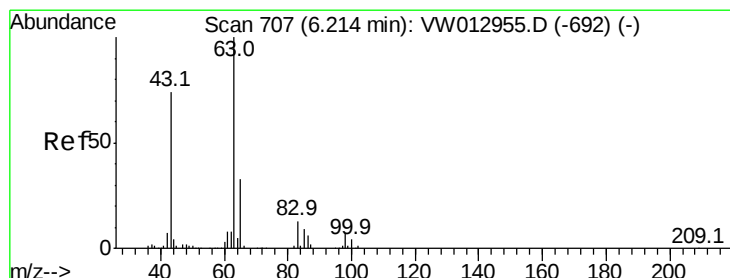
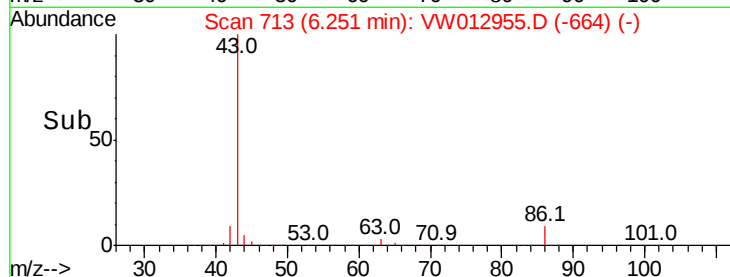
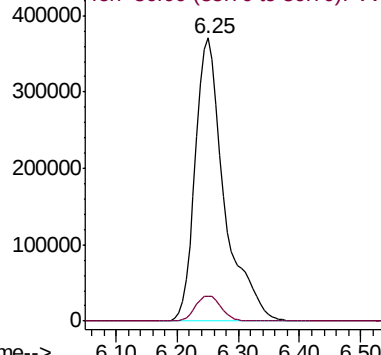
Ion Ratio Lower Upper

43 100

86 8.8 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.750 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

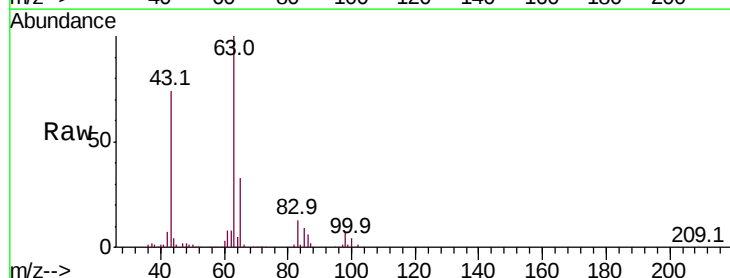
Tgt Ion: 63 Resp: 221567

Ion Ratio Lower Upper

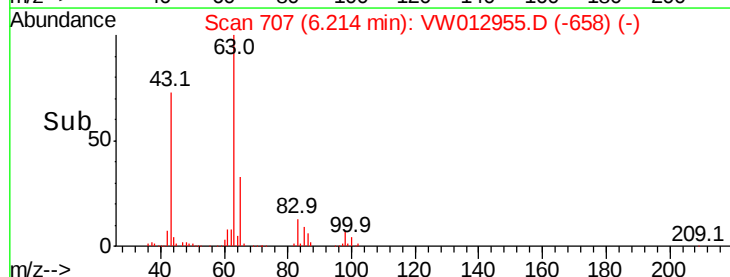
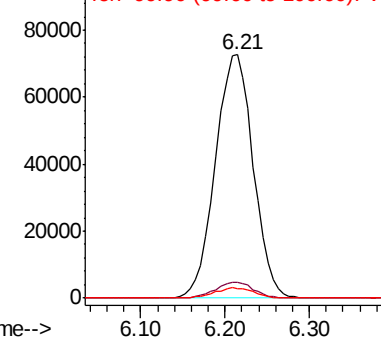
63 100

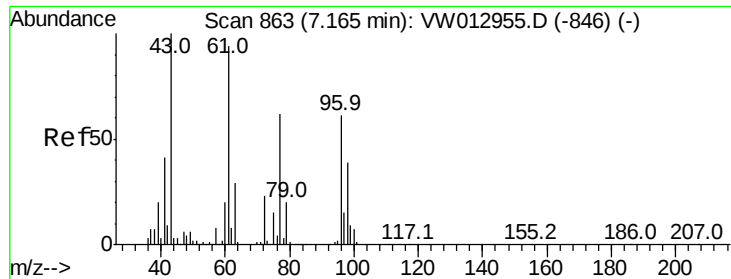
98 6.6 3.3 9.9

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 250.326 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

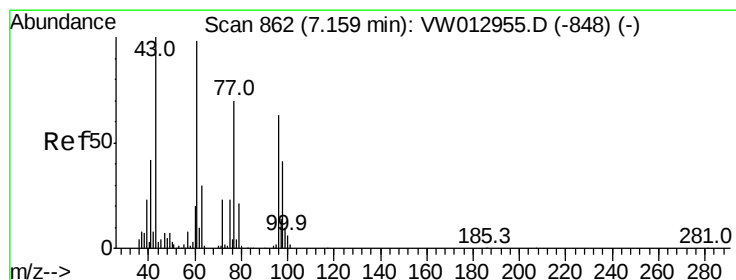
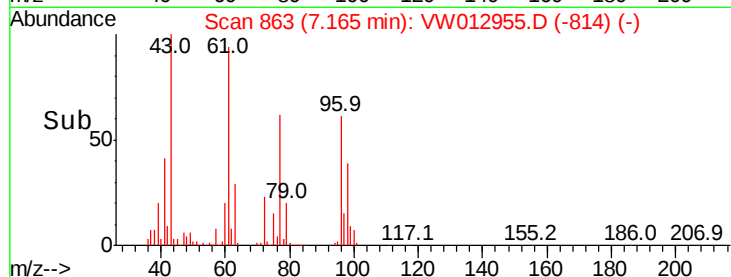
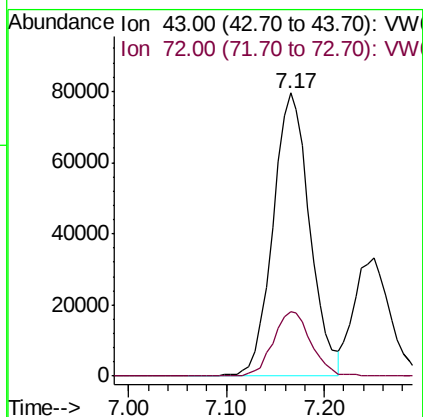
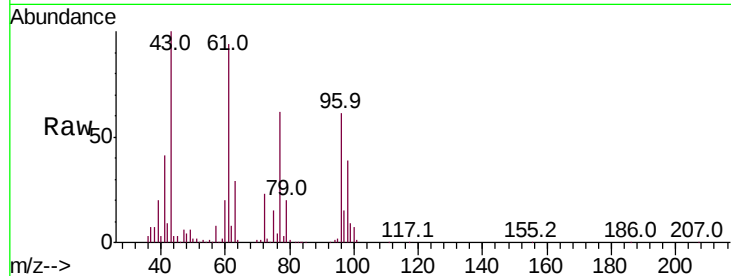
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 208592

Ion Ratio Lower Upper

43 100

72 22.8 18.2 27.4



#26

2,2-Dichloropropane

Concen: 48.041 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW012955.D

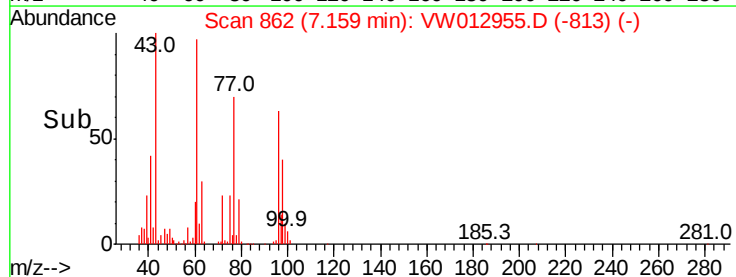
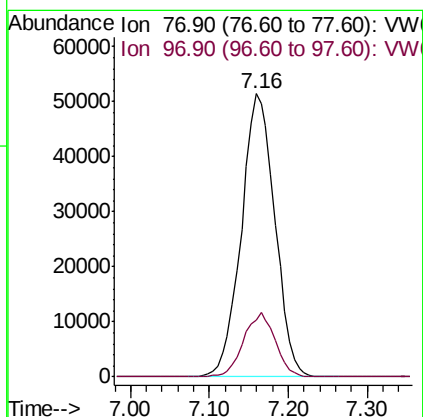
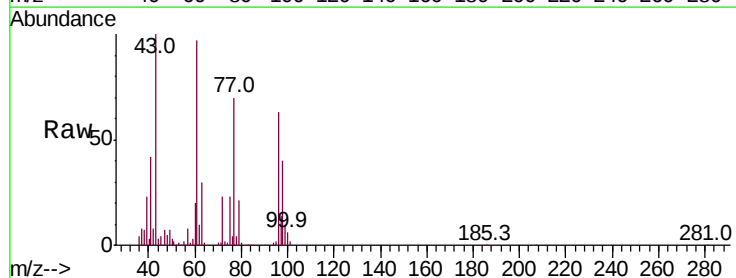
Acq: 13 Sep 2019 15:24

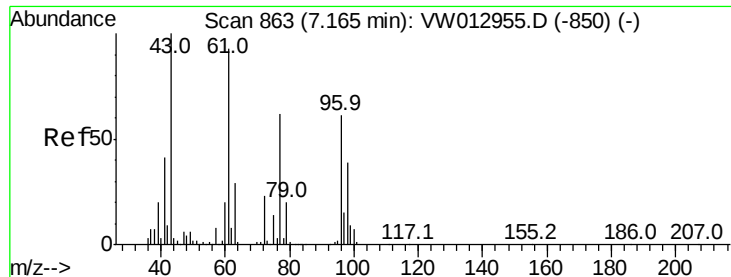
Tgt Ion: 77 Resp: 151712

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1



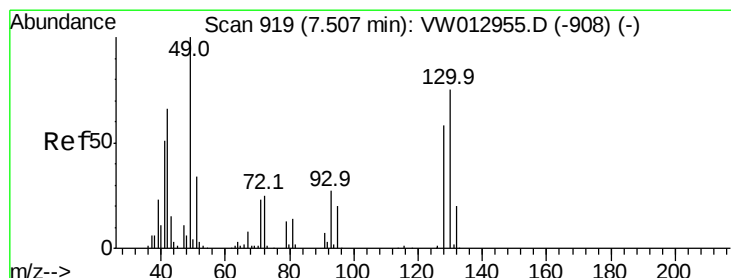
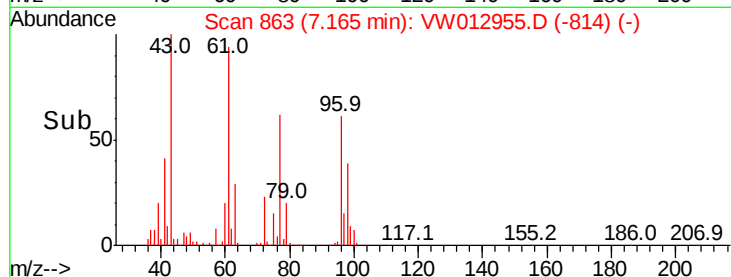
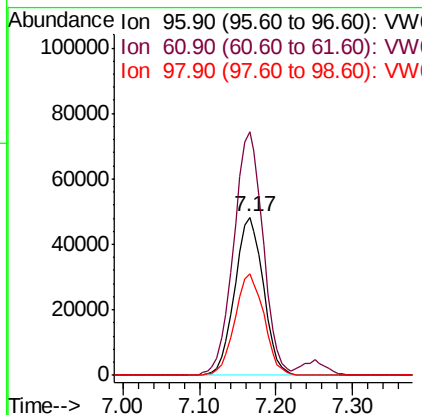
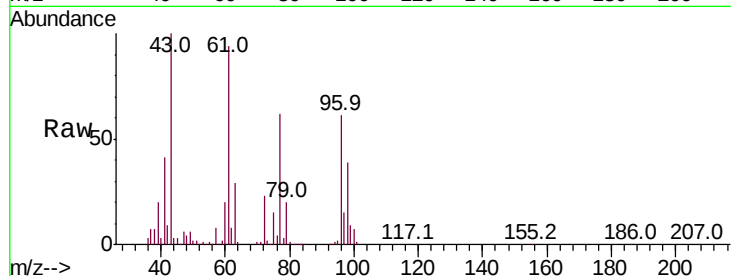


#27

cis-1,2-Dichloroethene
Concen: 49.900 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Instrument :
MSVOA_W
ClientSampled :

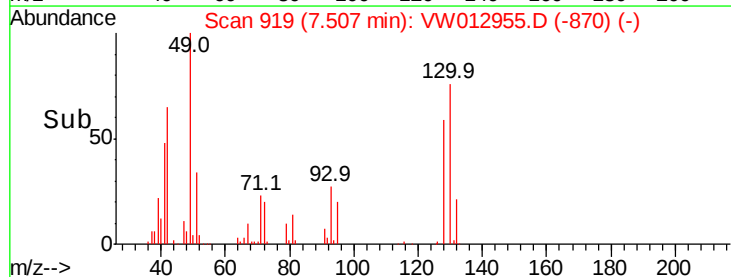
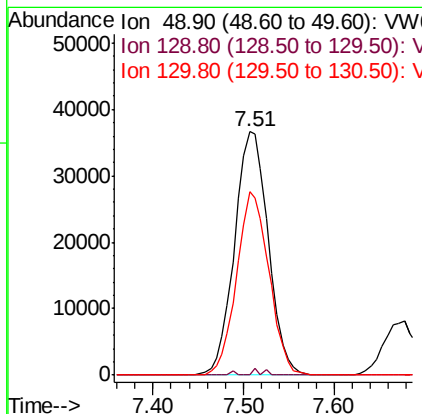
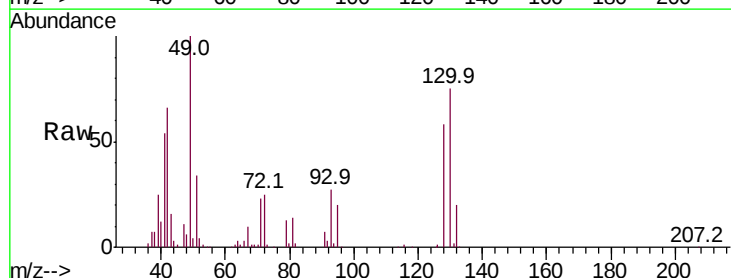
Tot Ion: 96 Resp: 125318
Ion Ratio Lower Upper
96 100
61 157.7 0.0 315.4
98 65.5 0.0 131.0

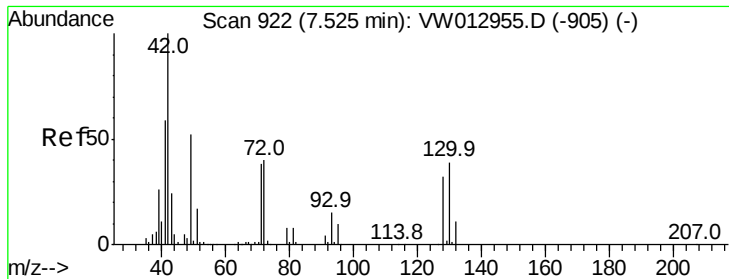


#28

Bromochloromethane
Concen: 50.466 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Tgt Ion: 49 Resp: 94600
Ion Ratio Lower Upper
49 100
129 0.7 0.0 1.4
130 72.2 57.8 86.6

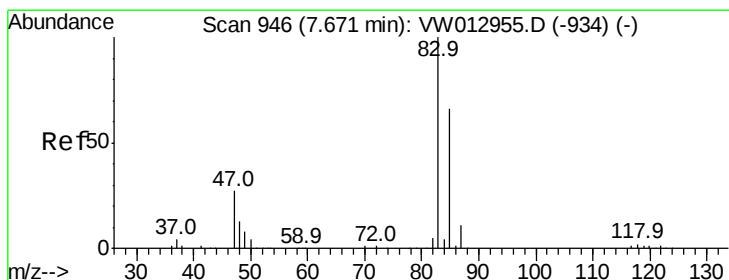
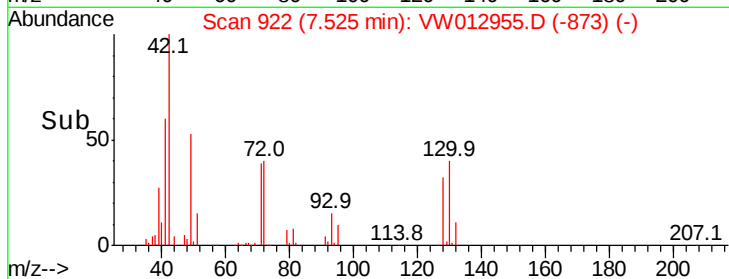
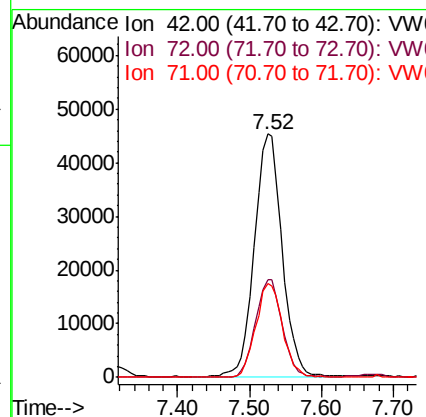
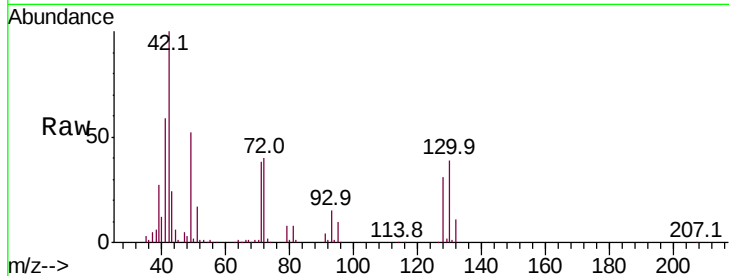




#29
Tetrahydrofuran
Concen: 255.497 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

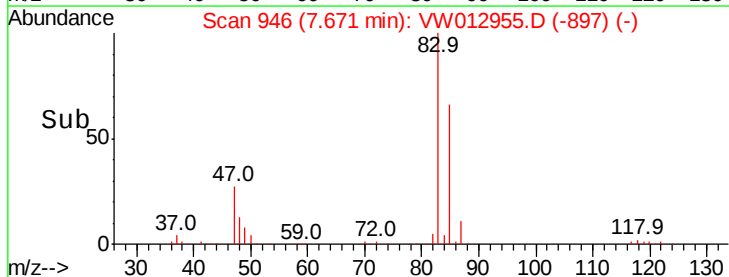
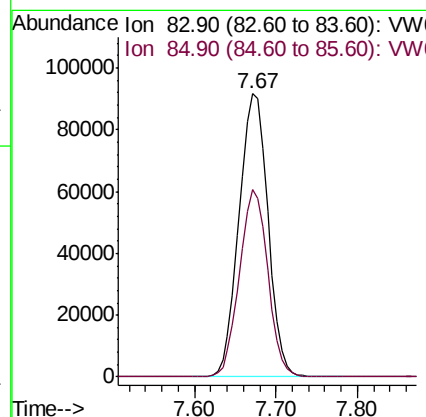
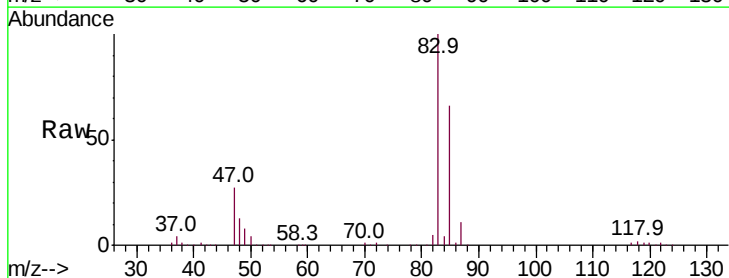
Instrument :
MSVOA_W
ClientSampled :

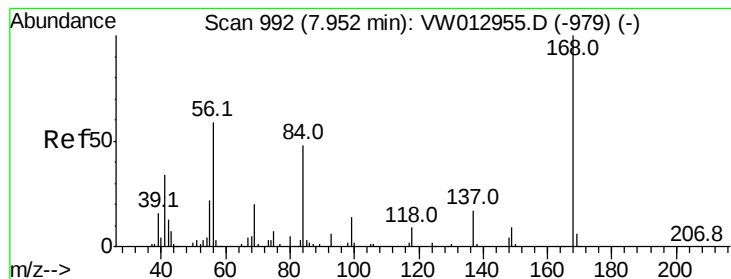
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.4	47.0
71	37.3	29.8	44.8



#30
Chloroform
Concen: 49.880 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.8	79.2





#31

Cvclohexane

Concen: 45.887 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

ClientSampled :

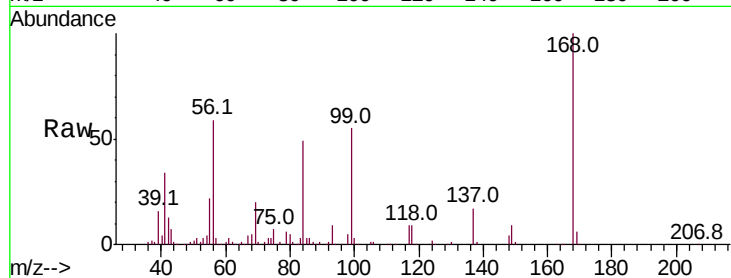
Tot Ion: 56 Resp: 174118

Ion Ratio Lower Upper

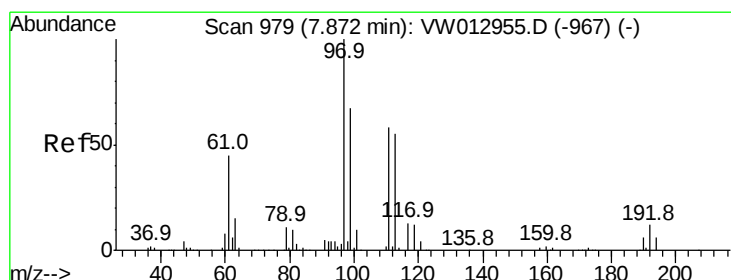
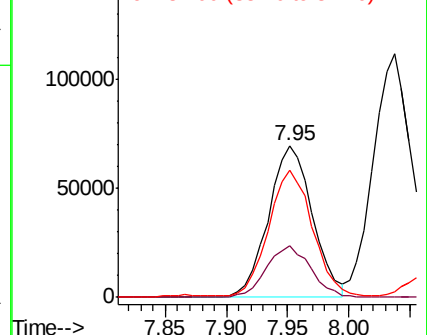
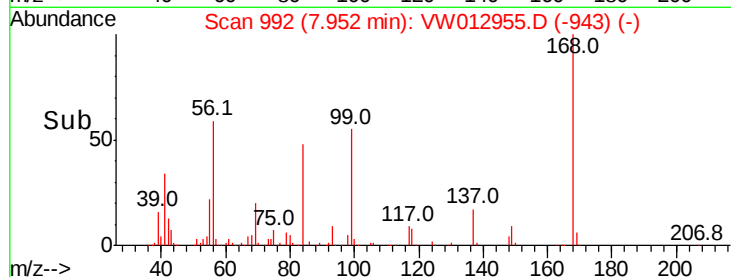
56 100

69 33.8 27.0 40.6

84 82.7 66.2 99.2



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: 49.973 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

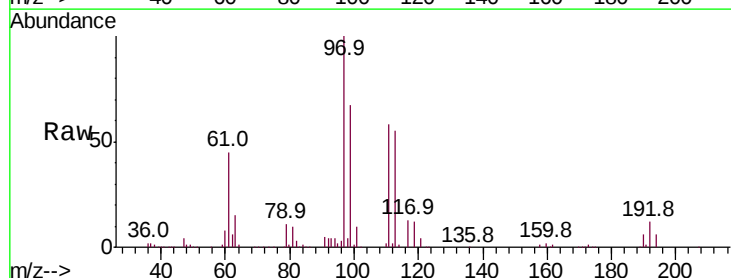
Tgt Ion: 97 Resp: 186227

Ion Ratio Lower Upper

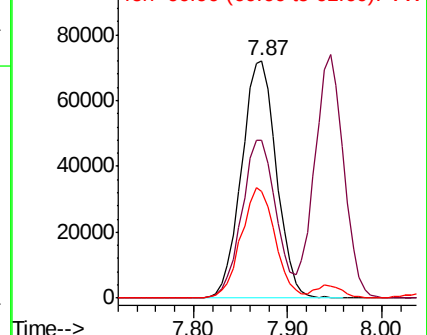
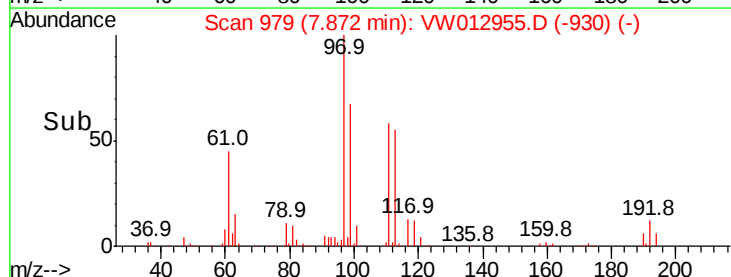
97 100

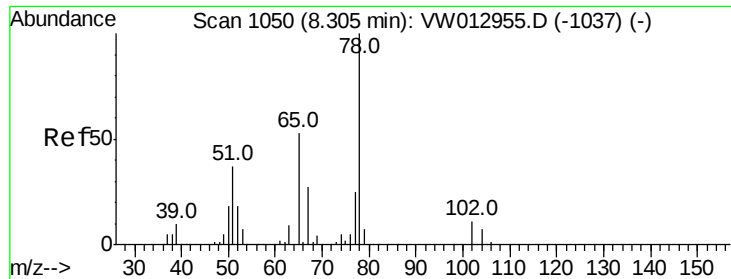
99 66.2 53.0 79.4

61 45.6 36.5 54.7



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: 52.079 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

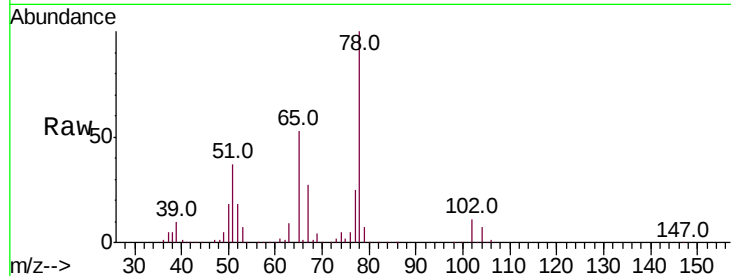
ClientSampleId :

Tot Ion: 65 Resp: 136478

Ion Ratio Lower Upper

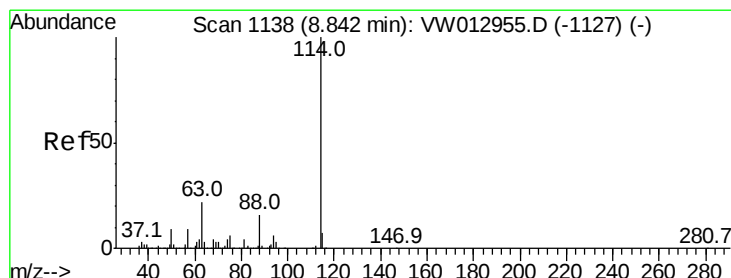
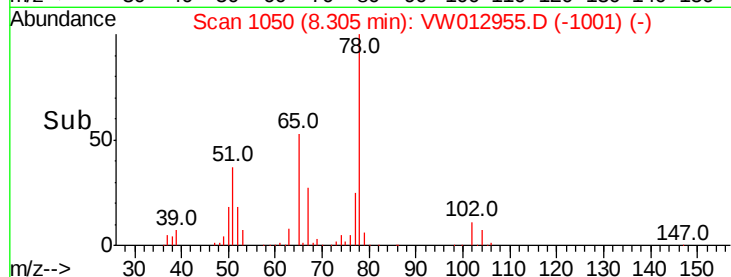
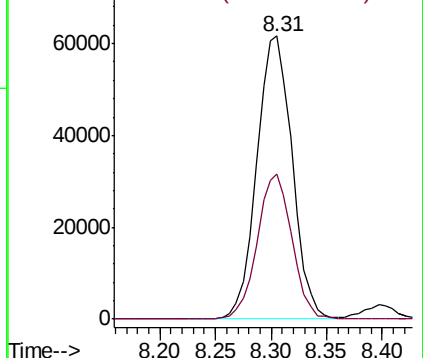
65 100

67 50.6 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

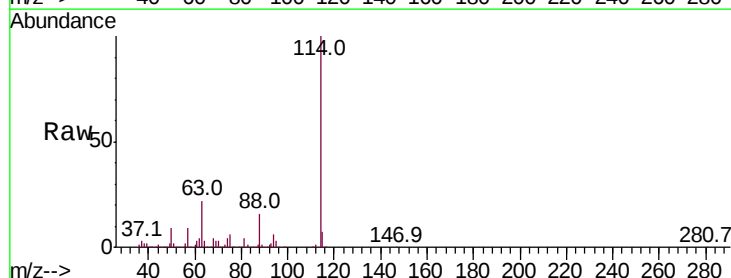
Tgt Ion: 114 Resp: 404566

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.4

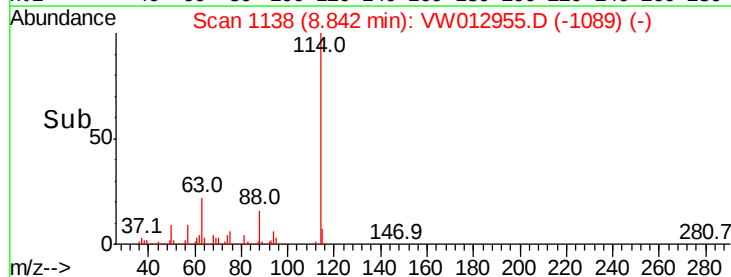
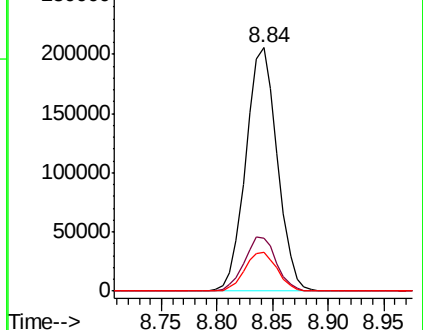
88 15.8 0.0 31.6

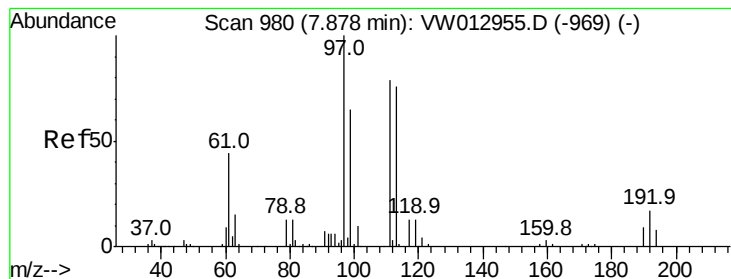


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.129 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

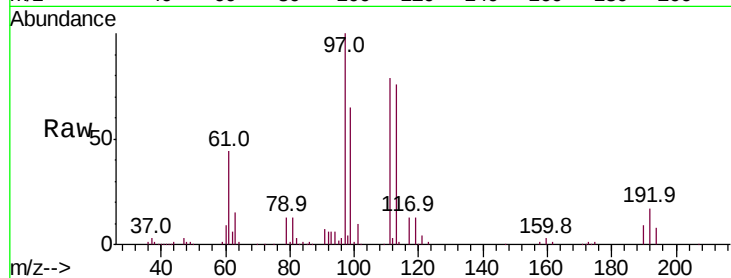
Tot Ion:113 Resp: 114434

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

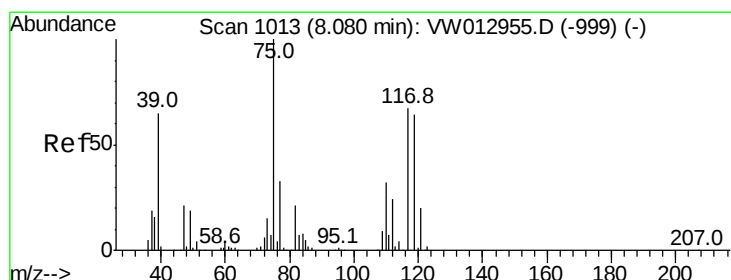
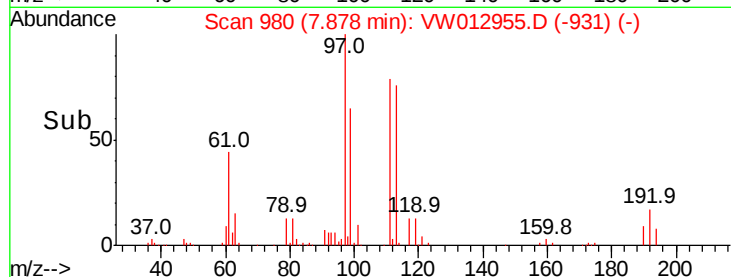
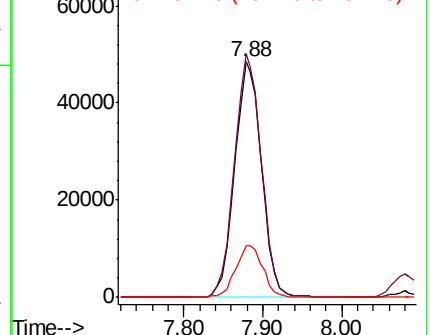
192 22.3 17.8 26.8



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: 50.166 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

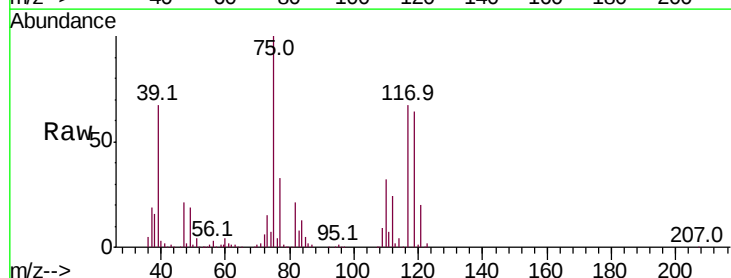
Tgt Ion: 75 Resp: 162180

Ion Ratio Lower Upper

75 100

110 32.7 16.4 49.1

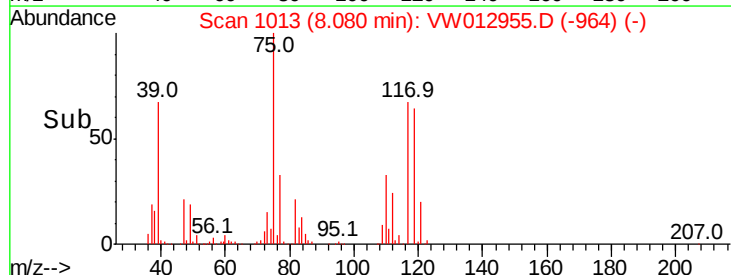
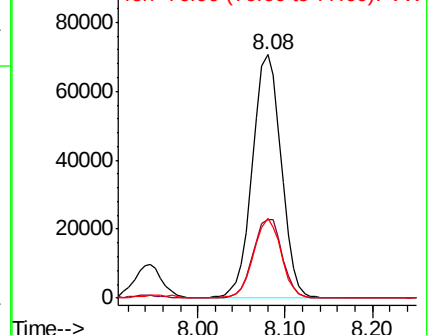
77 31.4 25.1 37.7

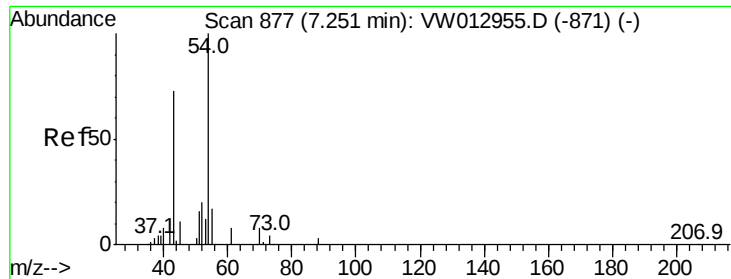


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

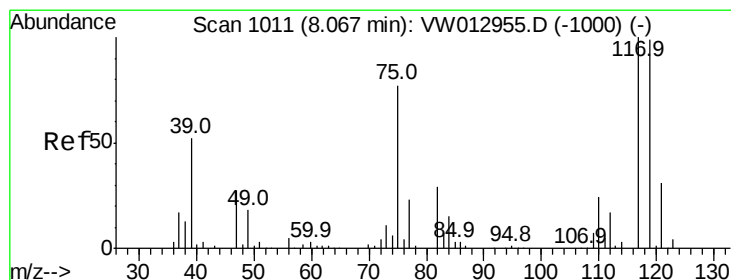
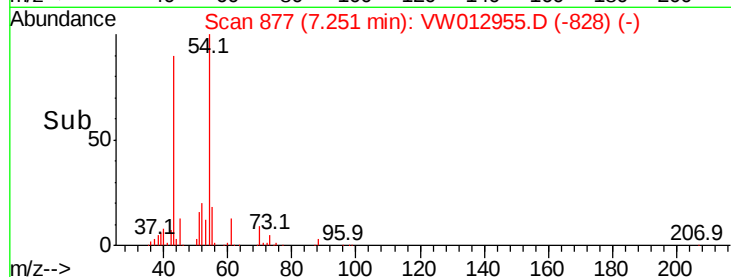
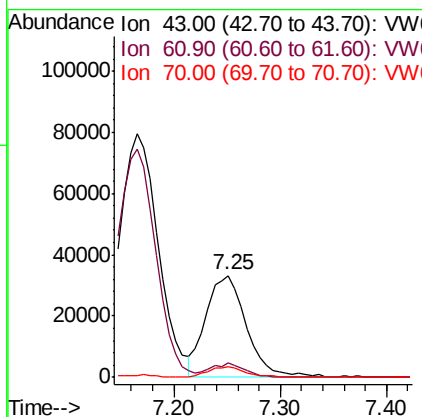
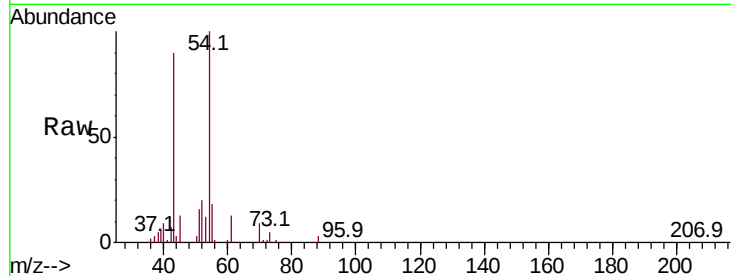




#37
Ethyl Acetate
Concen: 50.003 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

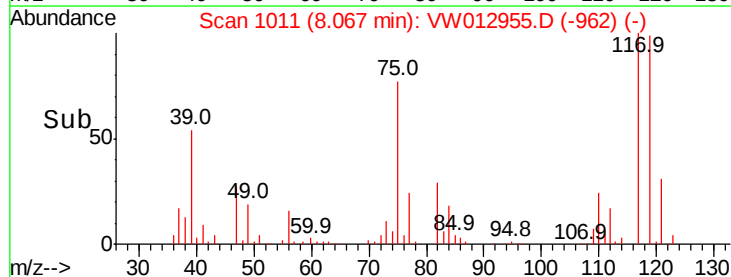
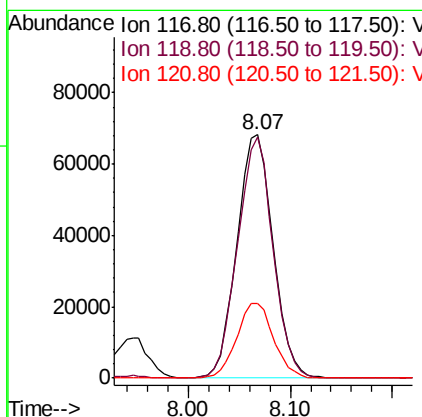
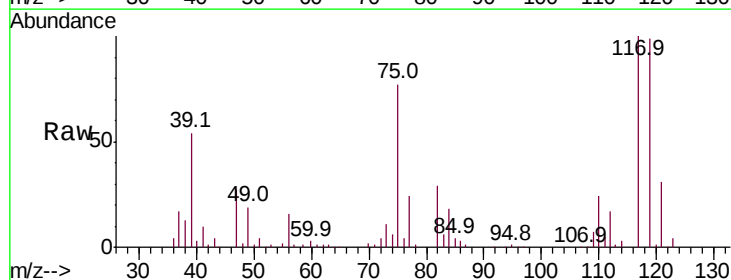
Instrument :
MSVOA_W
ClientSampled :

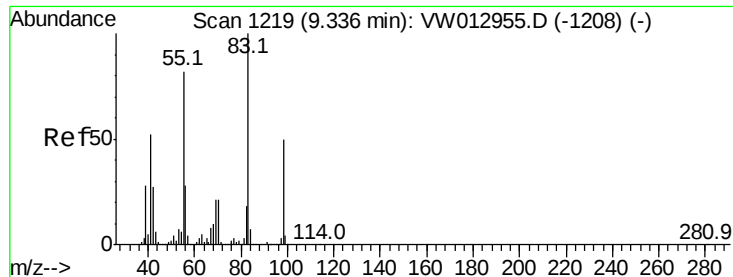
Tot Ion: 43 Resp: 85803
Ion Ratio Lower Upper
43 100
61 12.0 9.6 14.4
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.779 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Tgt Ion: 117 Resp: 168227
Ion Ratio Lower Upper
117 100
119 99.2 79.4 119.0
121 30.7 24.6 36.8

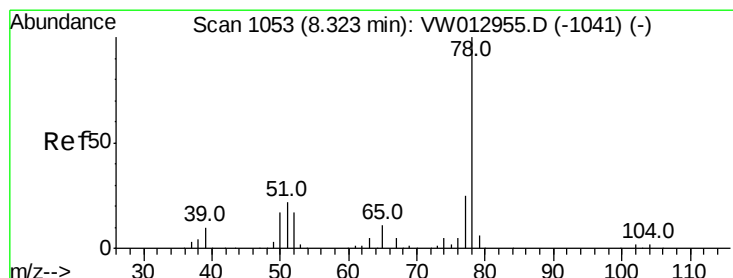
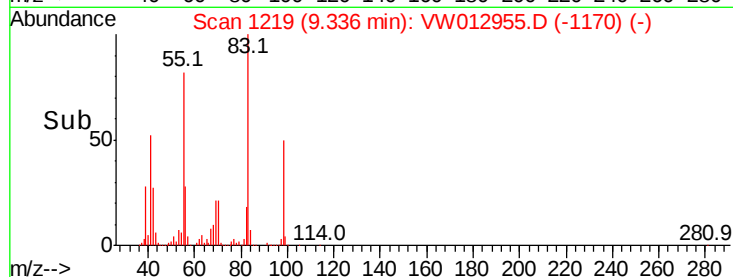
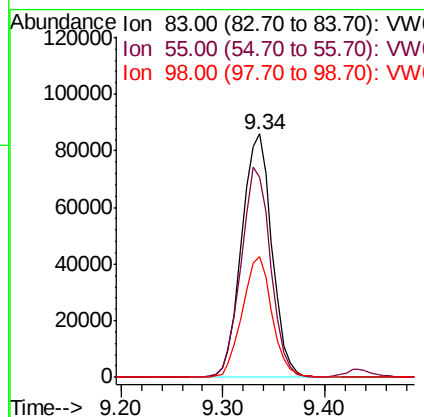
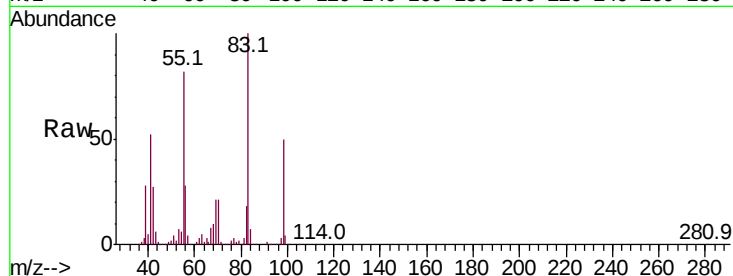




#39
Methvlcvclohexane
Concen: 49.902 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

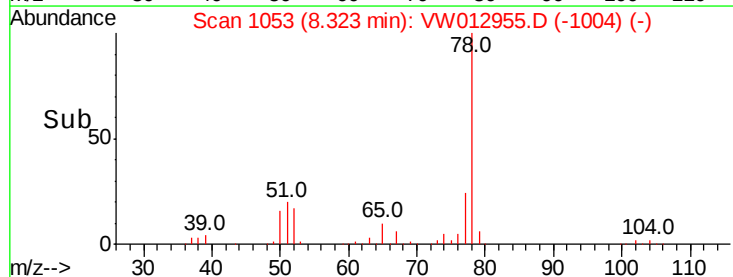
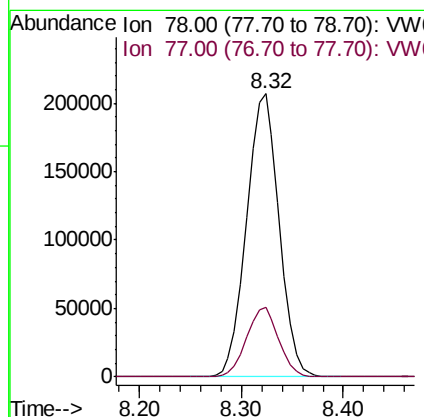
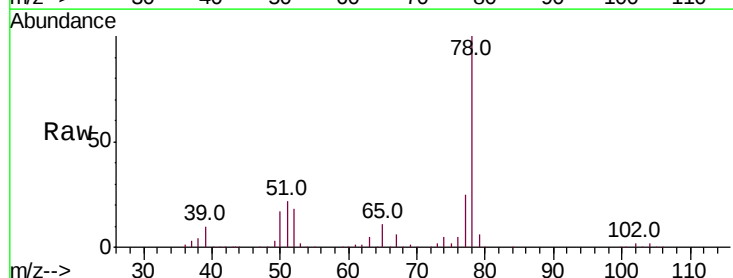
Instrument :
MSVOA_W
ClientSampled :

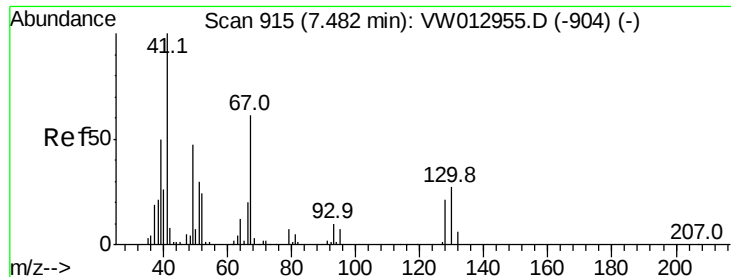
Tot Ion: 83 Resp: 176778
Ion Ratio Lower Upper
83 100
55 82.4 65.9 98.9
98 49.5 39.6 59.4



#40
Benzene
Concen: 50.875 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Tgt Ion: 78 Resp: 459149
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4

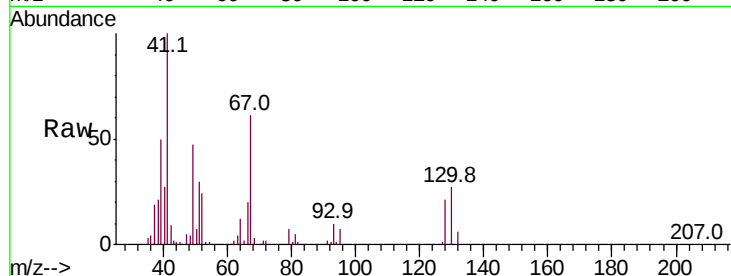




#41
Methacrylonitrile
Concen: 50.360 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	56908
Ion	Ratio	Lower	Upper
41	100		
39	60.3	48.2	72.4
67	59.4	47.5	71.3
52	26.2	21.0	31.4



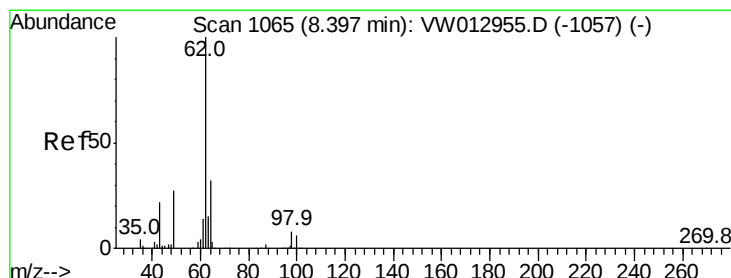
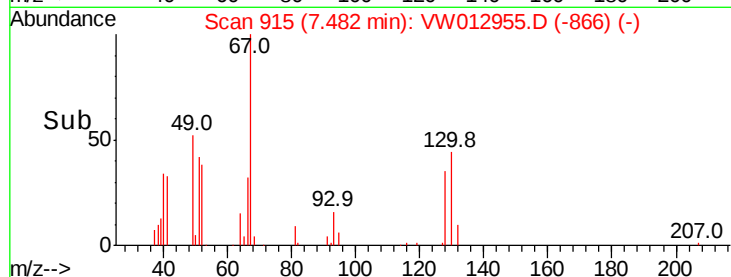
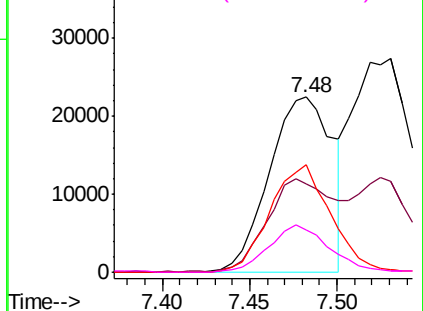
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

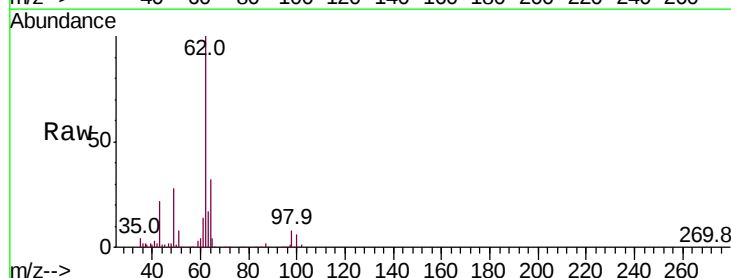
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 50.795 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

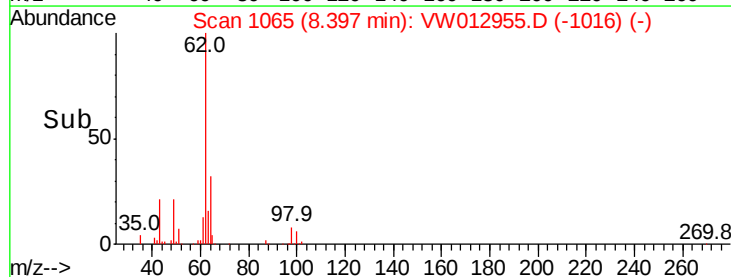
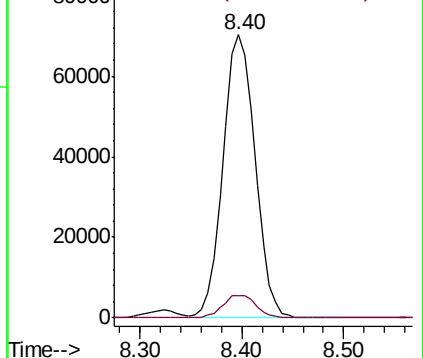
Tgt Ion:	62	Resp:	153673
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8

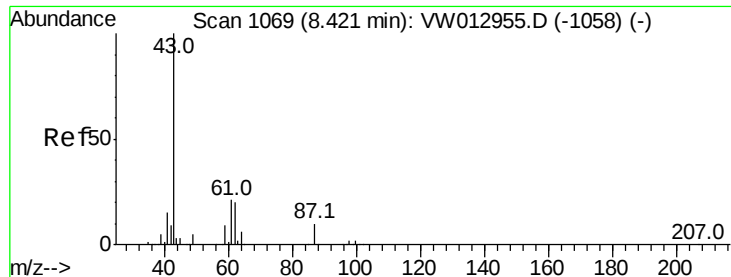


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 51.561 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

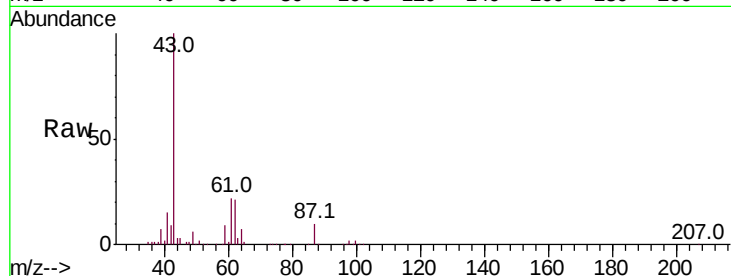
Tot Ion: 43 Resp: 169878

Ion Ratio Lower Upper

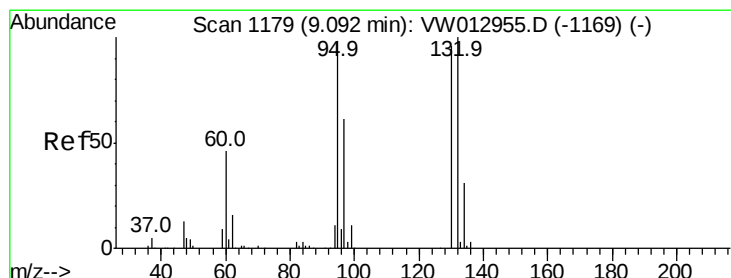
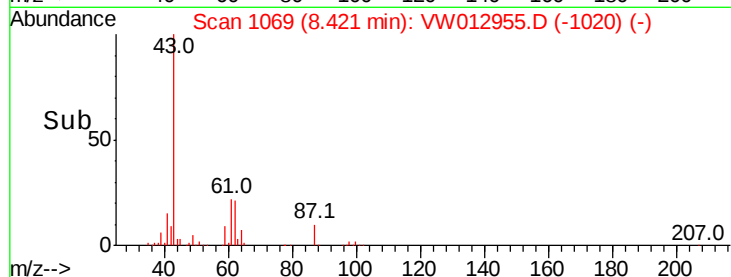
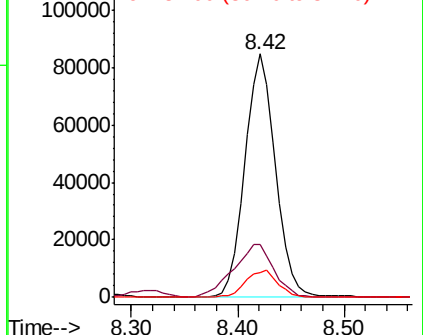
43 100

61 28.4 22.7 34.1

87 11.8 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 49.937 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012955.D

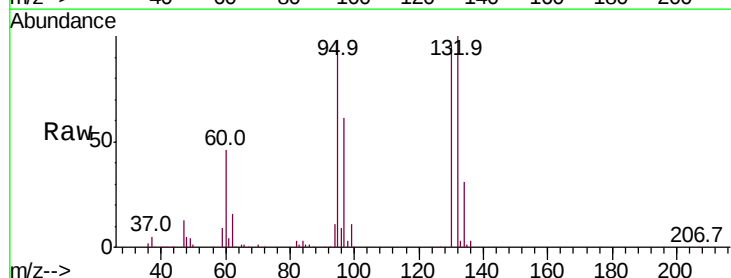
Acq: 13 Sep 2019 15:24

Tgt Ion: 130 Resp: 123445

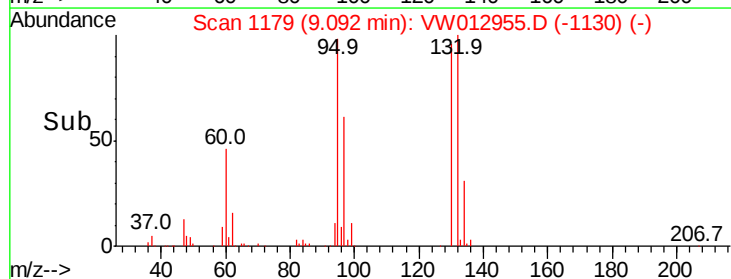
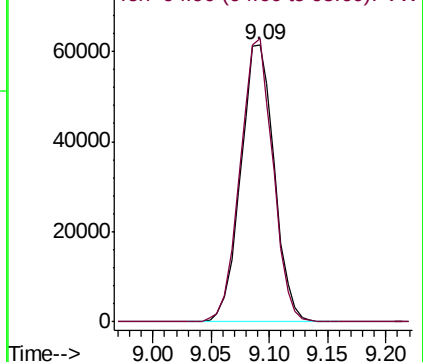
Ion Ratio Lower Upper

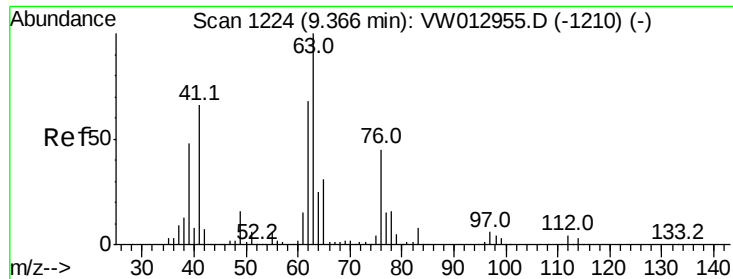
130 100

95 102.2 0.0 204.4



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





#45

1,2-Dichloropropane

Concen: 51.546 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

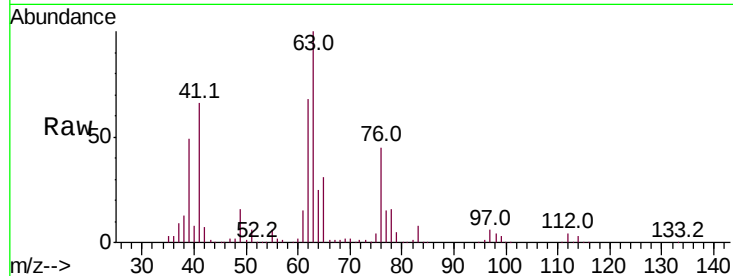
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 123597

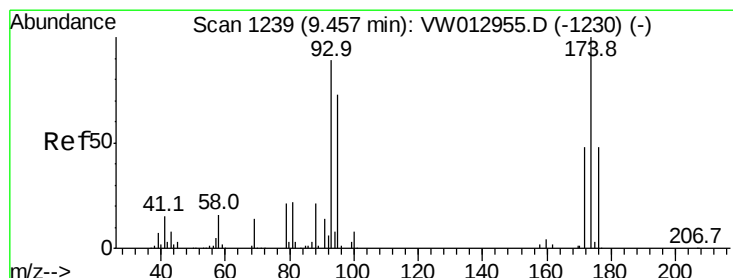
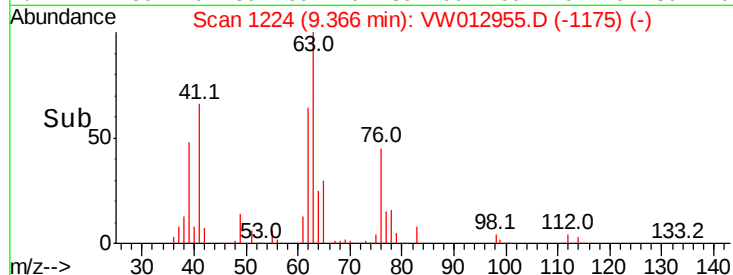
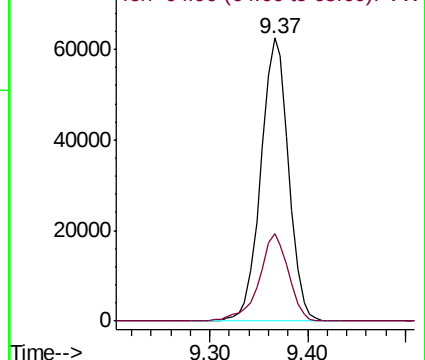
Ion Ratio Lower Upper

63 100

65 30.8 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 51.354 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

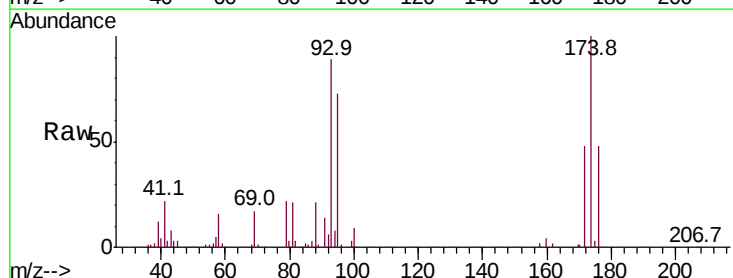
Tgt Ion: 93 Resp: 58995

Ion Ratio Lower Upper

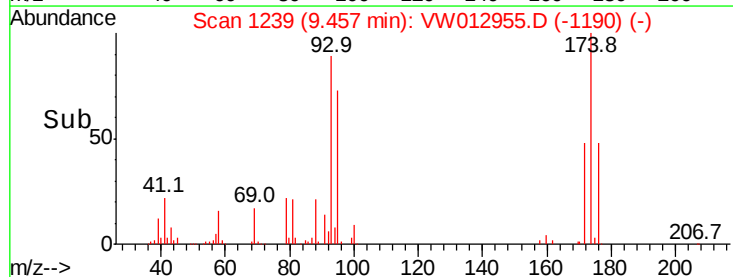
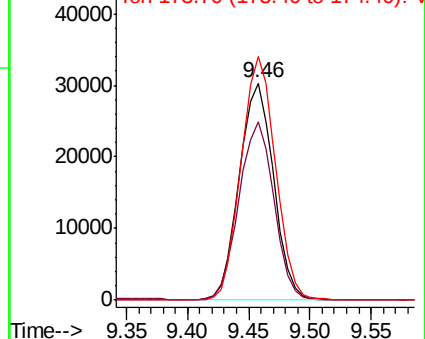
93 100

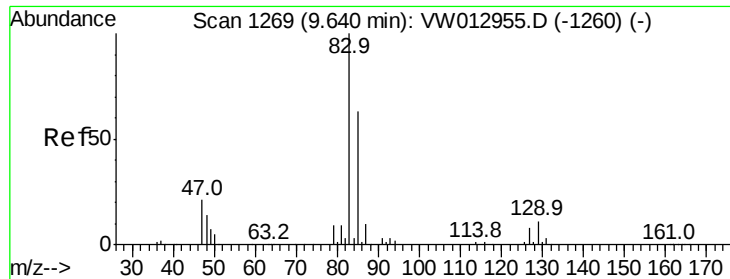
95 83.7 67.0 100.4

174 113.1 90.5 135.7



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.308 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

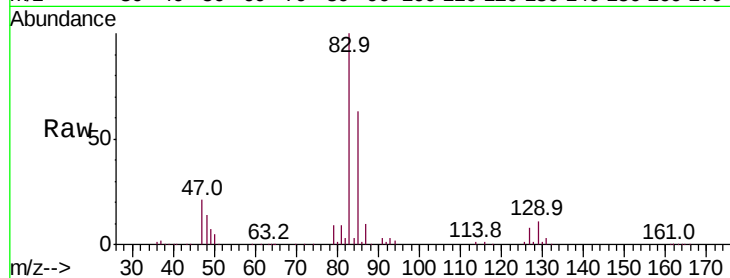
Tot Ion: 83 Resp: 168555

Ion Ratio Lower Upper

83 100

85 63.2 50.6 75.8

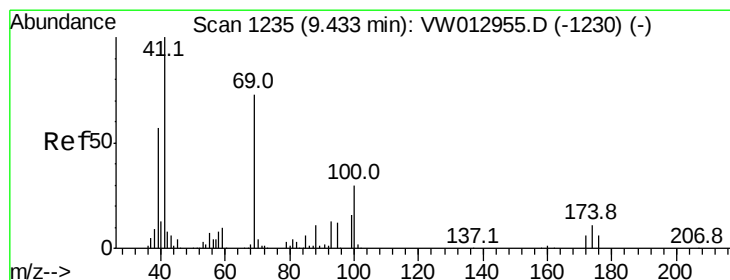
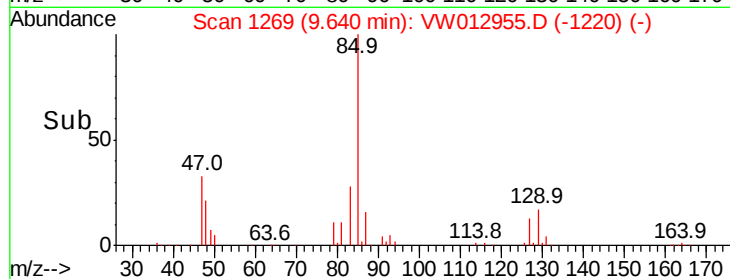
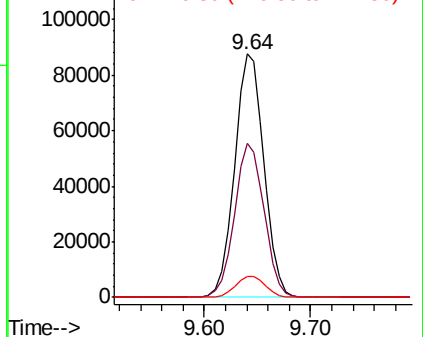
127 8.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 51.218 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

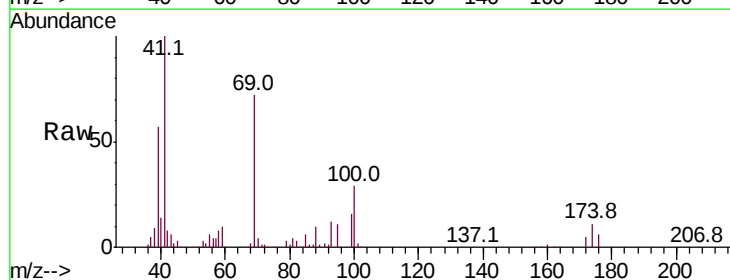
Tgt Ion: 41 Resp: 79196

Ion Ratio Lower Upper

41 100

69 78.5 62.8 94.2

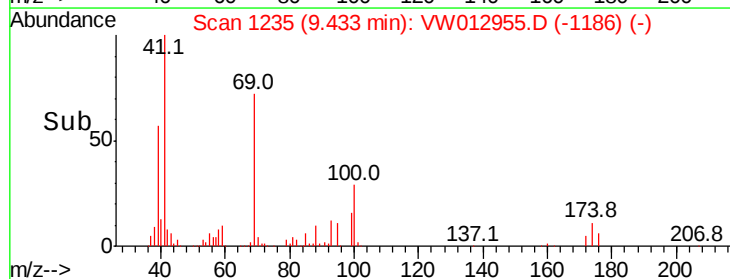
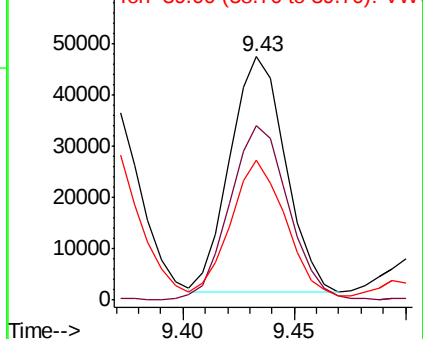
39 60.6 48.5 72.7

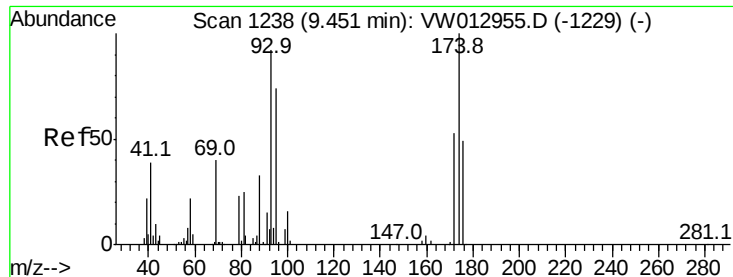


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1049.284 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :
MSVOA_W
ClientSampled :

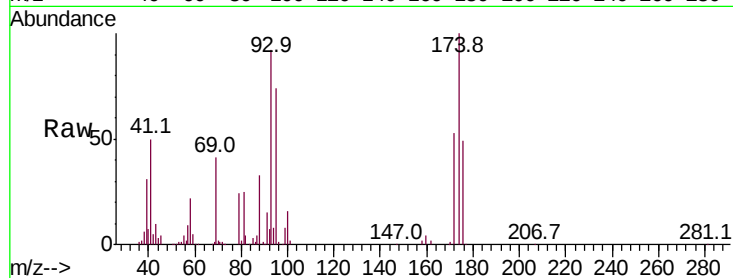
Tot Ion: 88 Resp: 20198

Ion Ratio Lower Upper

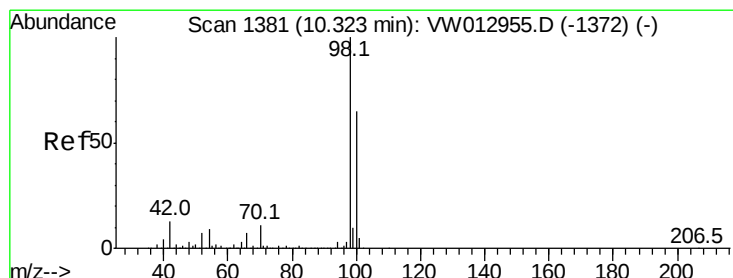
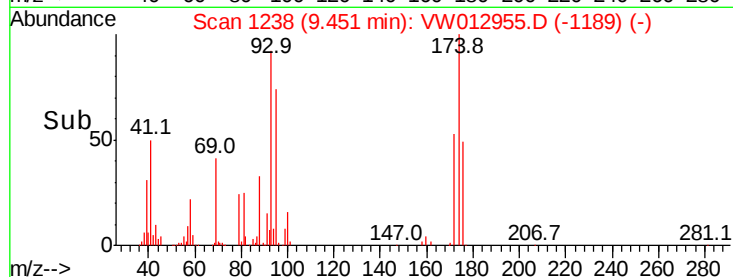
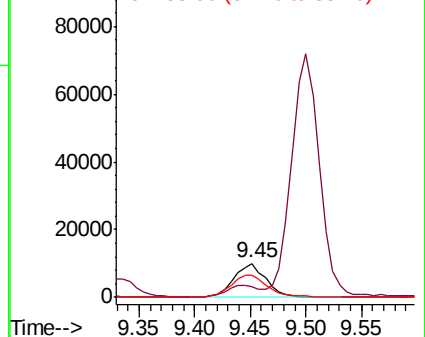
88 100

43 39.1 31.3 46.9

58 75.2 60.2 90.2



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: 54.083 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012955.D

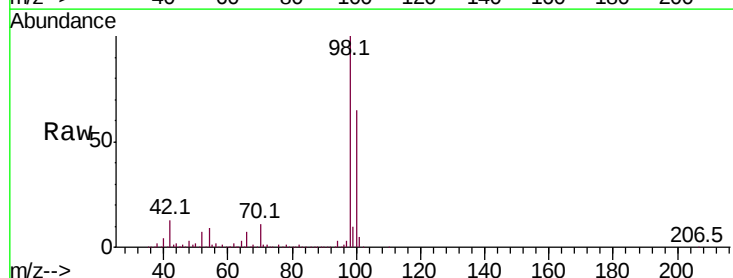
Acq: 13 Sep 2019 15:24

Tgt Ion: 98 Resp: 464583

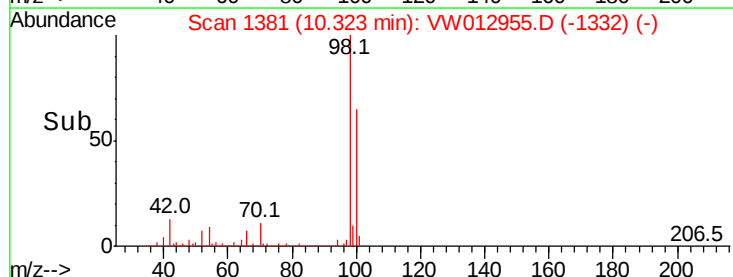
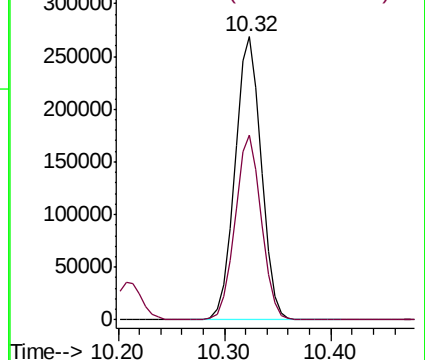
Ion Ratio Lower Upper

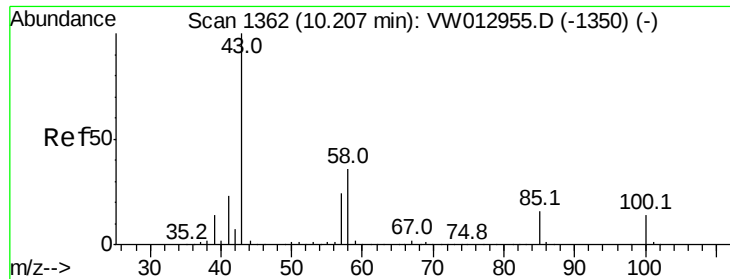
98 100

100 65.1 52.1 78.1



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: 257.827 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

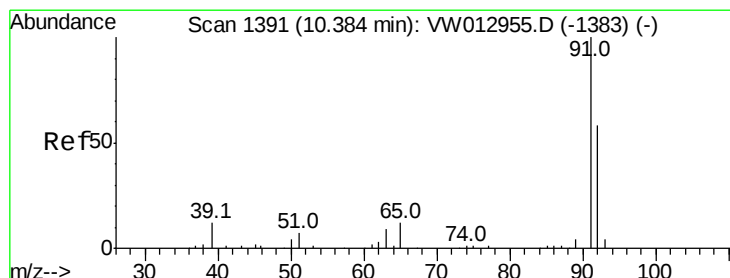
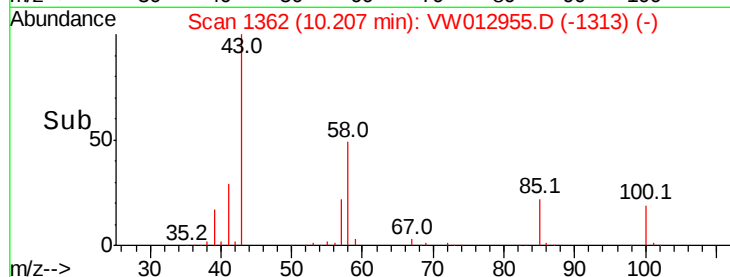
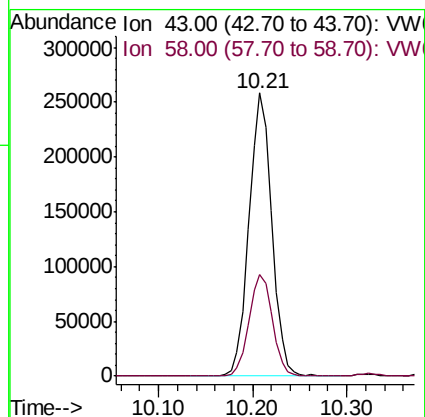
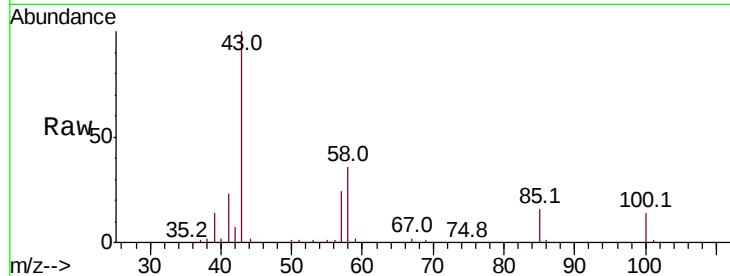
ClientSampleId :

Tot Ion: 43 Resp: 438555

Ion Ratio Lower Upper

43 100

58 36.9 29.5 44.3



#52

Toluene

Concen: 51.469 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012955.D

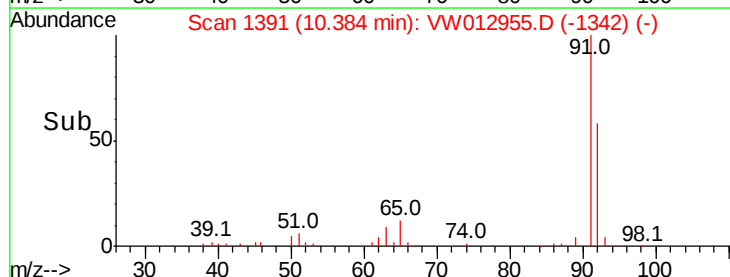
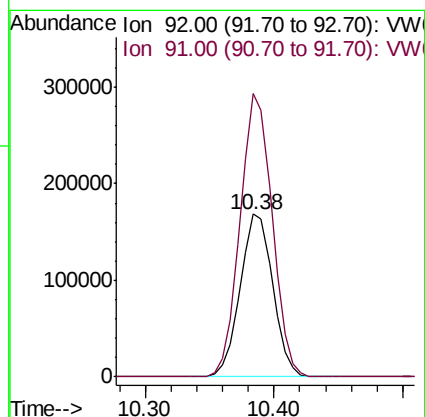
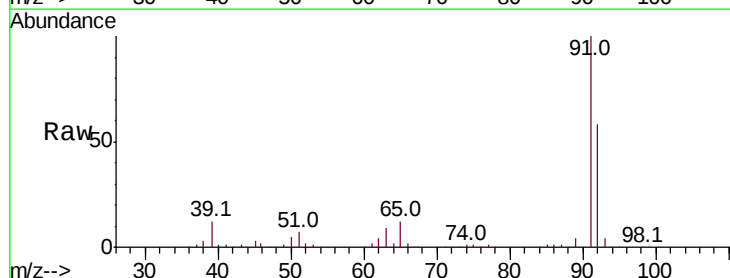
Acq: 13 Sep 2019 15:24

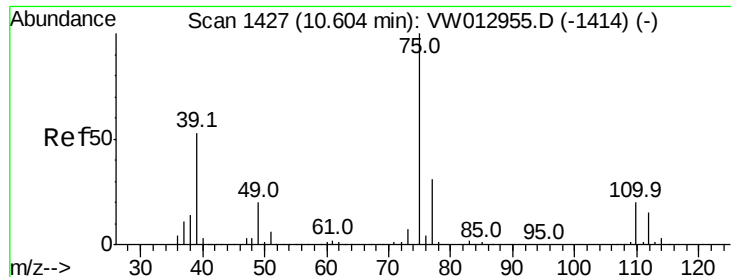
Tgt Ion: 92 Resp: 295168

Ion Ratio Lower Upper

92 100

91 171.9 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 52.444 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

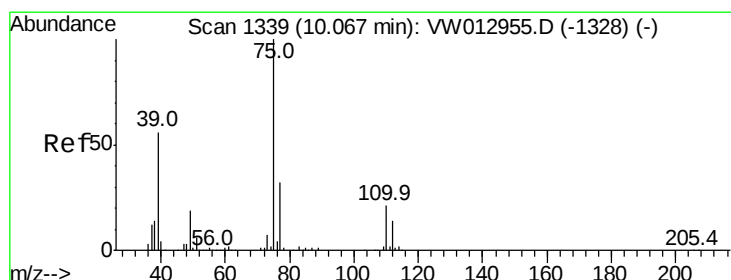
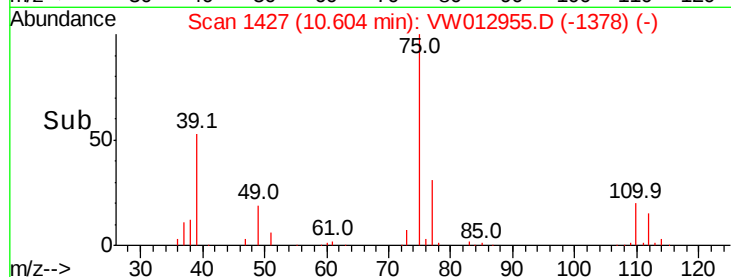
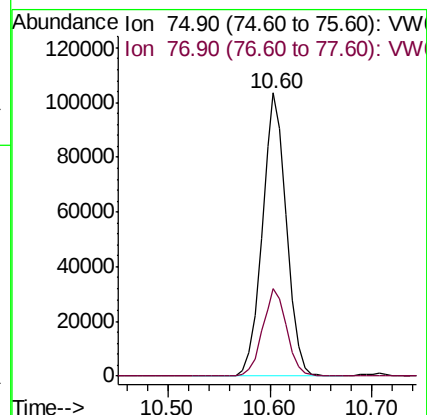
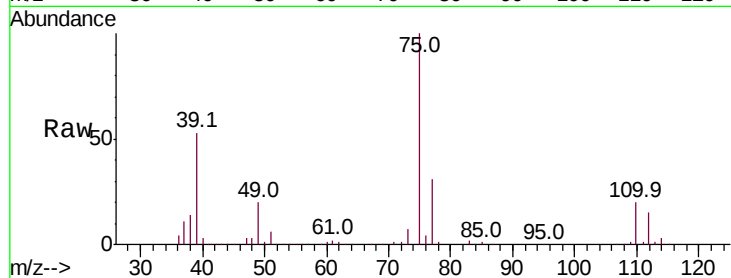
ClientSampleId :

Tot Ion: 75 Resp: 169959

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 52.183 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

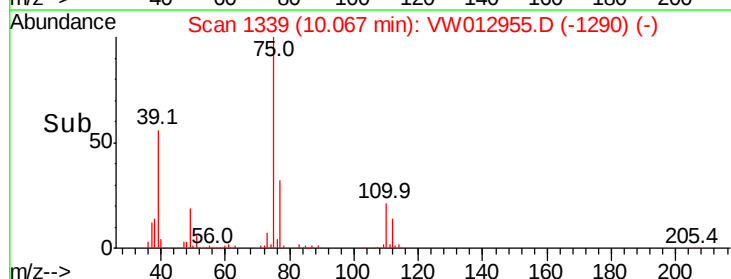
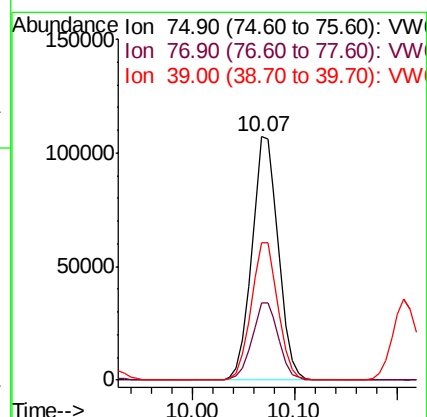
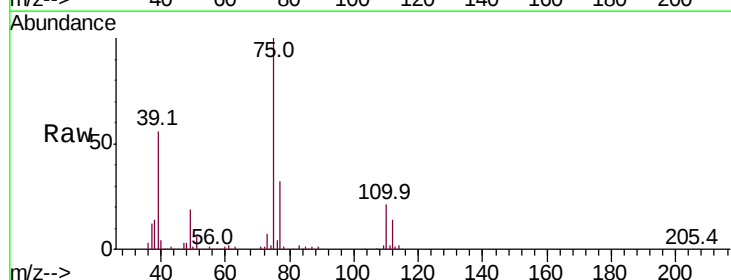
Tgt Ion: 75 Resp: 193496

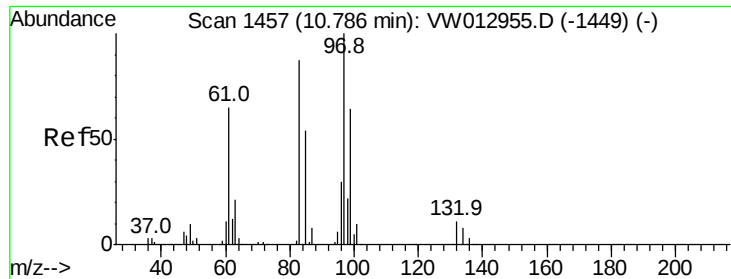
Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 56.3 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 50.841 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

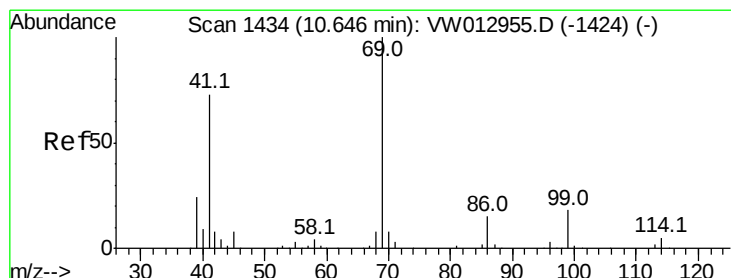
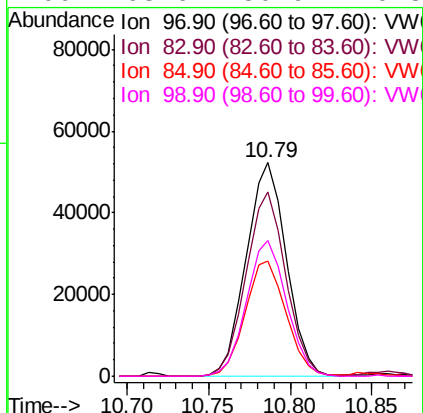
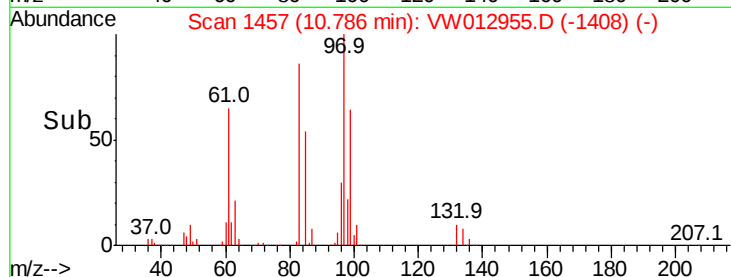
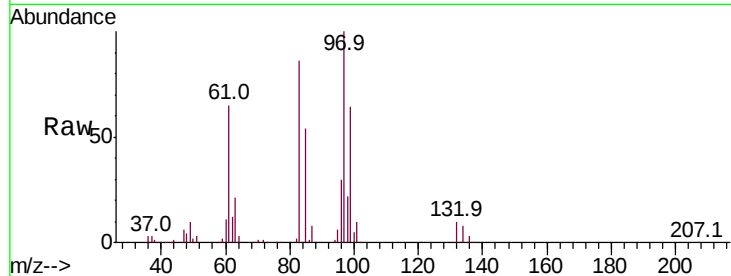
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 88975

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.0
85	54.1	43.3	64.9
99	63.6	50.9	76.3



#56

Ethyl methacrylate

Concen: 53.075 ug/l

RT: 10.65 min Scan# 1434

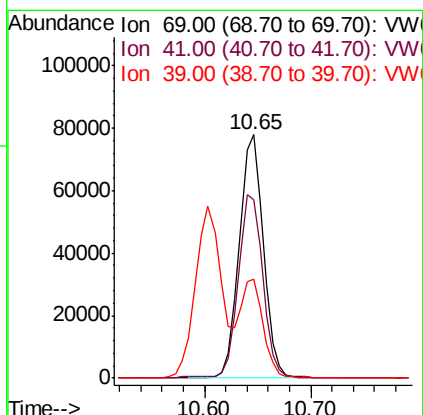
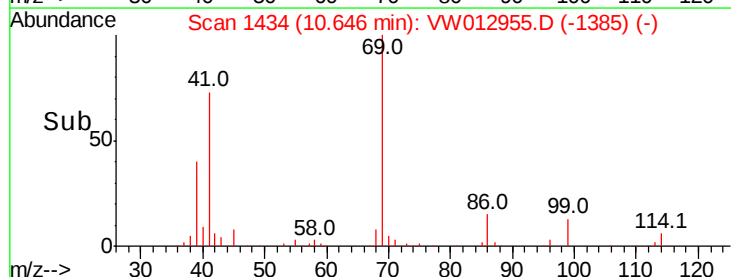
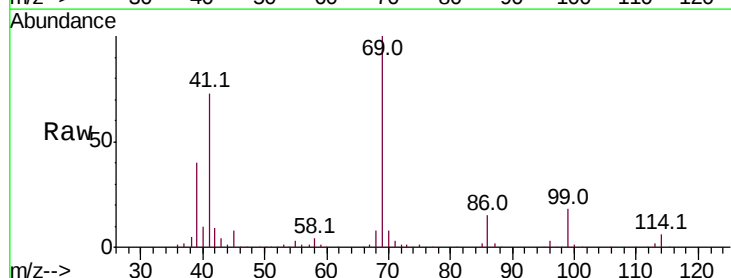
Delta R.T. 0.00 min

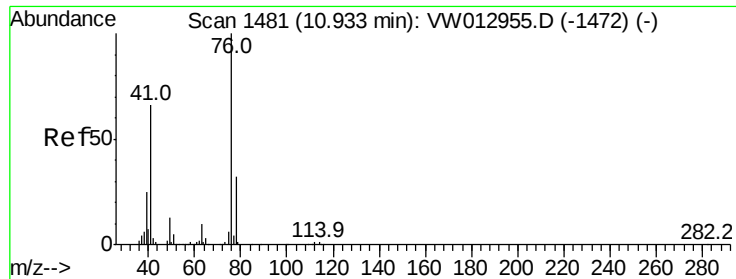
Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Tgt Ion: 69 Resp: 125025

Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.8	91.2
39	36.7	29.4	44.0





#57

1,3-Dichloropropane

Concen: 51.754 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

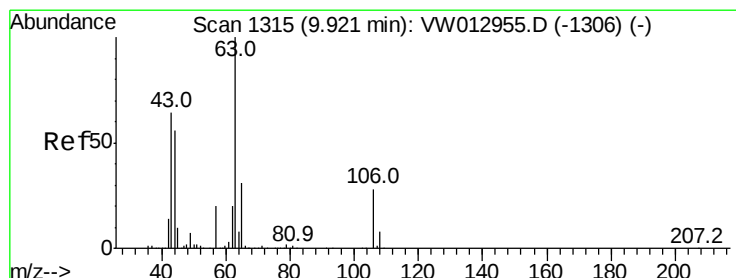
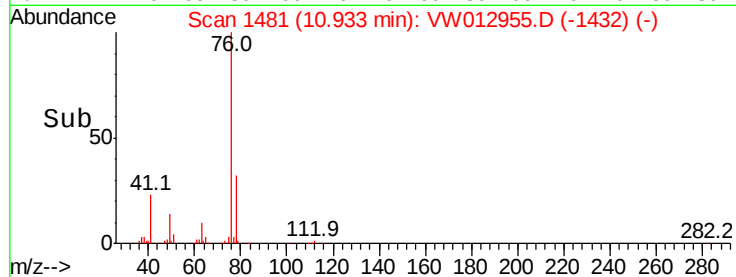
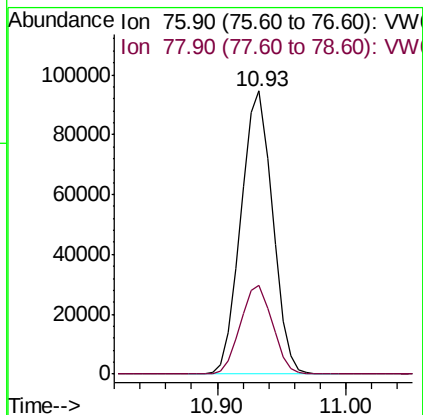
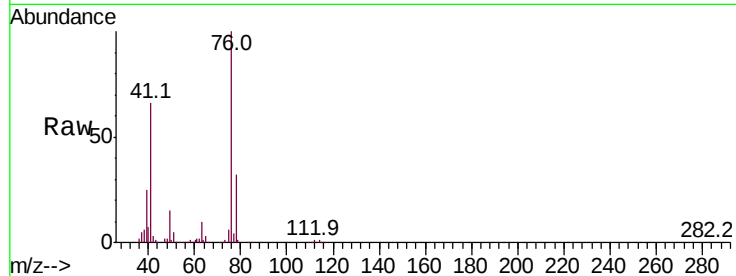
ClientSampled :

Tot Ion: 76 Resp: 160667

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 256.867 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW012955.D

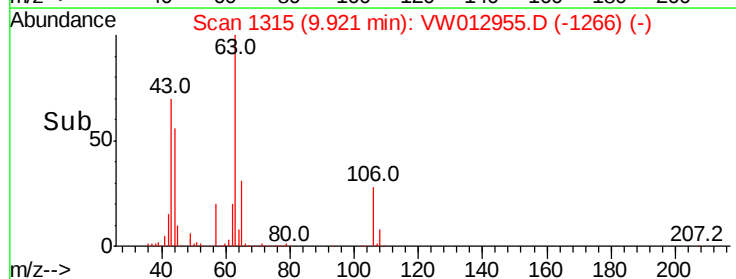
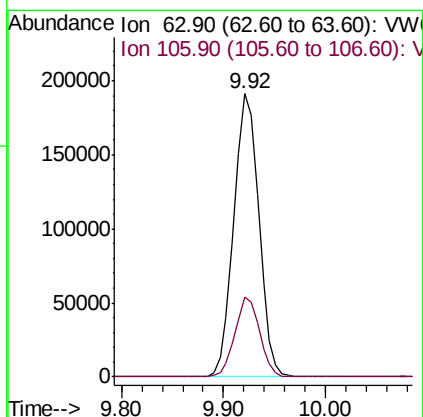
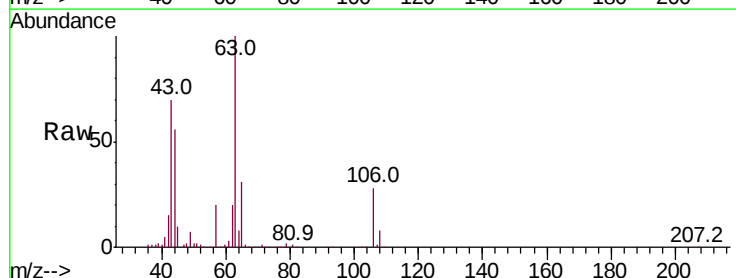
Acq: 13 Sep 2019 15:24

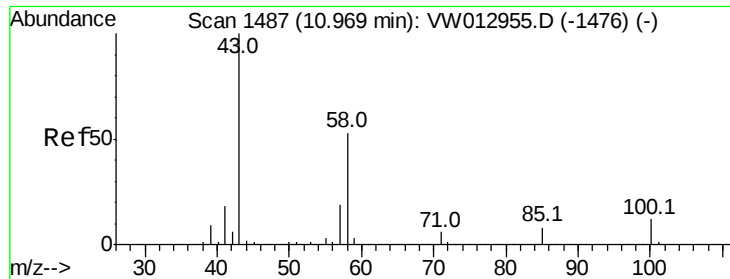
Tgt Ion: 63 Resp: 324583

Ion Ratio Lower Upper

63 100

106 27.7 22.2 33.2





#59

2-Hexanone

Concen: 263.647 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

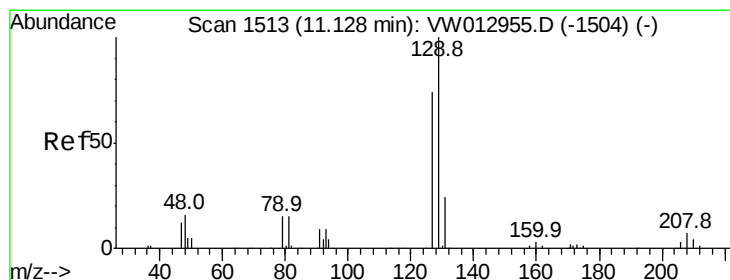
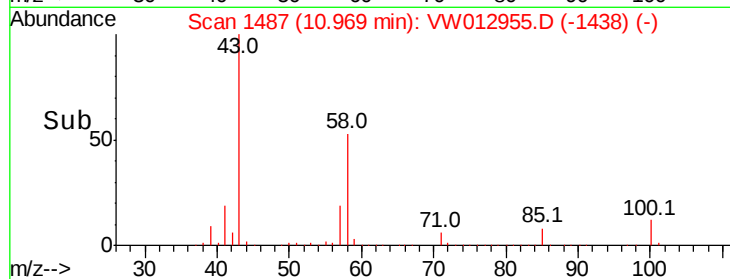
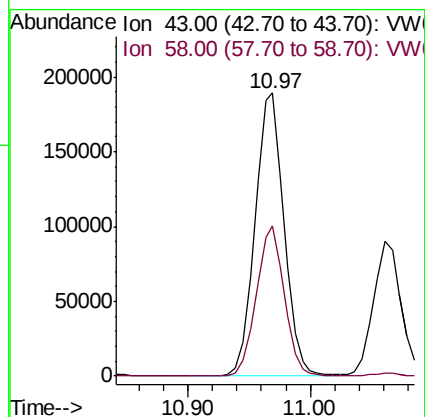
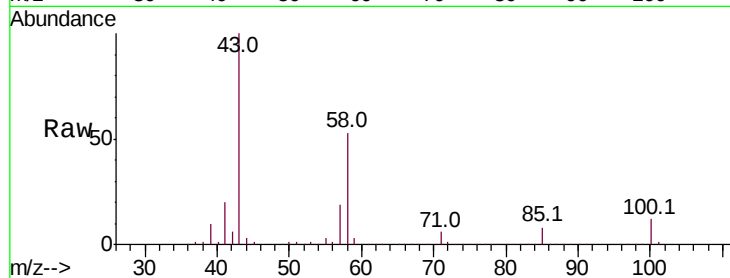
ClientSampled :

Tot Ion: 43 Resp: 312264

Ion Ratio Lower Upper

43 100

58 51.5 25.8 77.3



#60

Dibromochloromethane

Concen: 52.716 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW012955.D

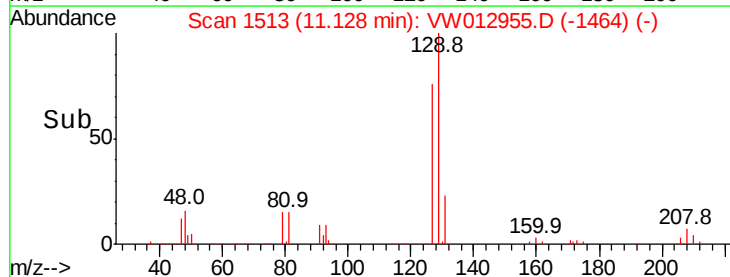
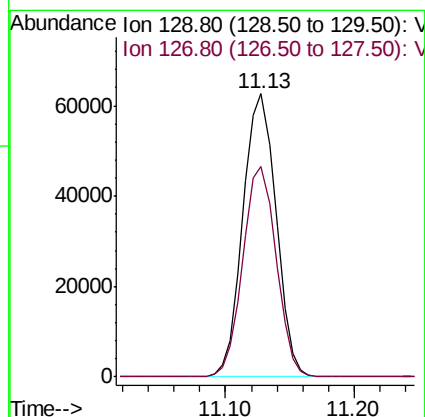
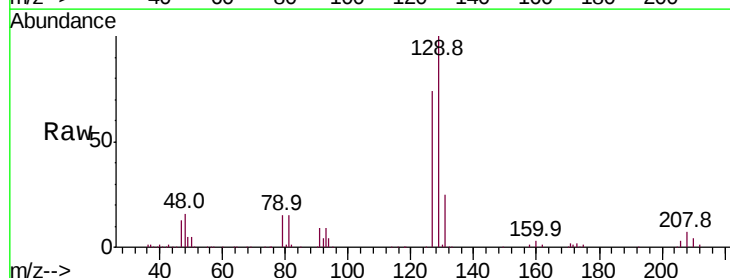
Acq: 13 Sep 2019 15:24

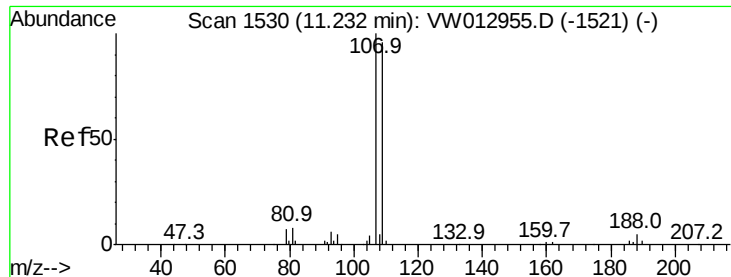
Tgt Ion: 129 Resp: 111537

Ion Ratio Lower Upper

129 100

127 74.8 37.4 112.2

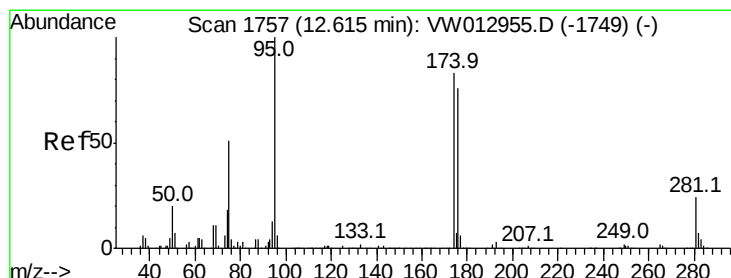
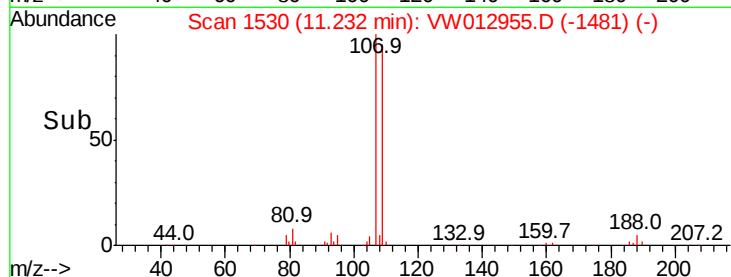
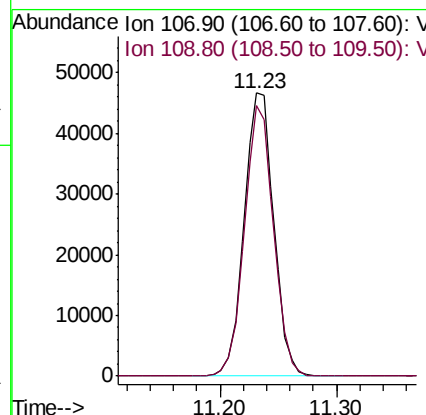
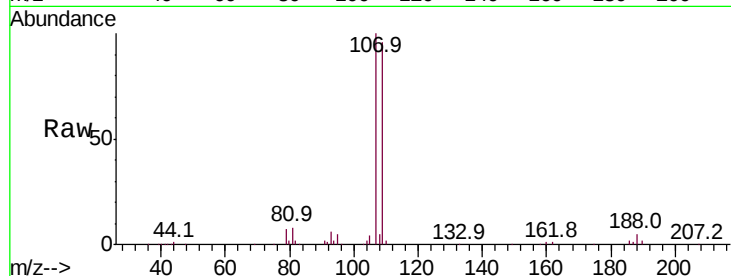




#61
 1,2-Dibromoethane
 Concen: 51.874 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

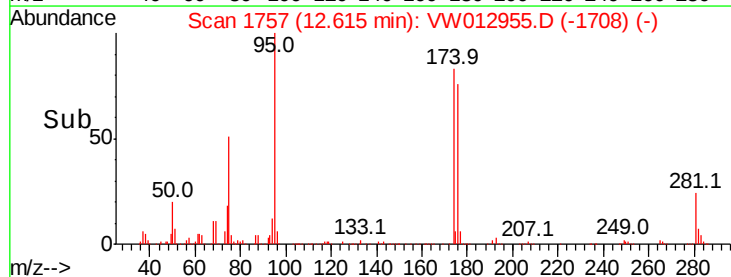
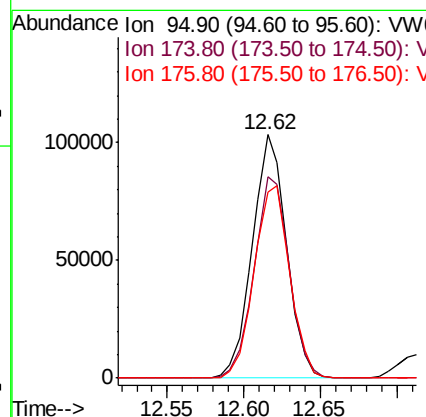
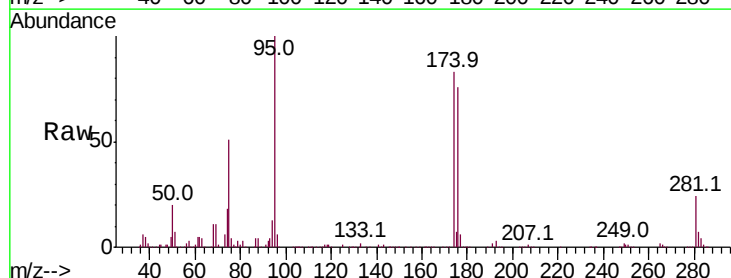
Instrument :
 MSVOA_W
 ClientSampled :

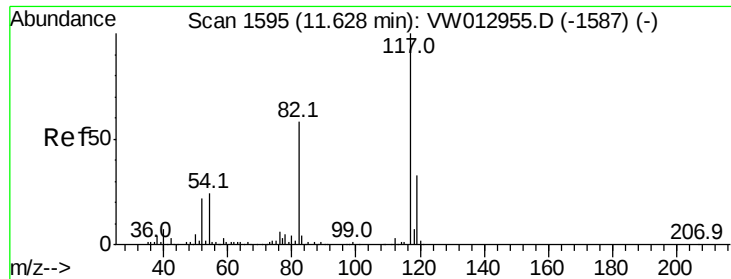
Tot Ion:107 Resp: 82814
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 51.949 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

Tgt Ion: 95 Resp: 160463
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 170.4
 176 82.3 0.0 164.6

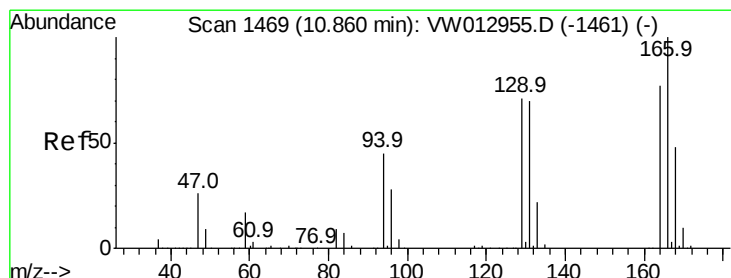
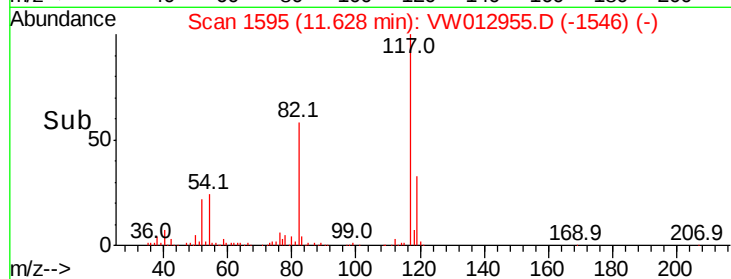
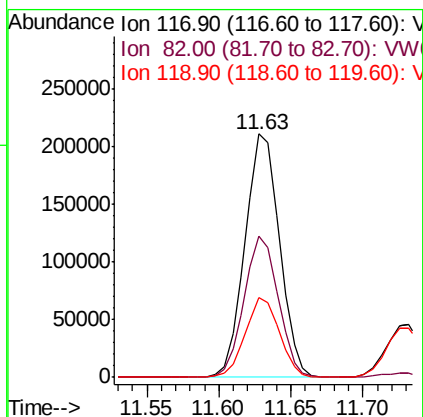
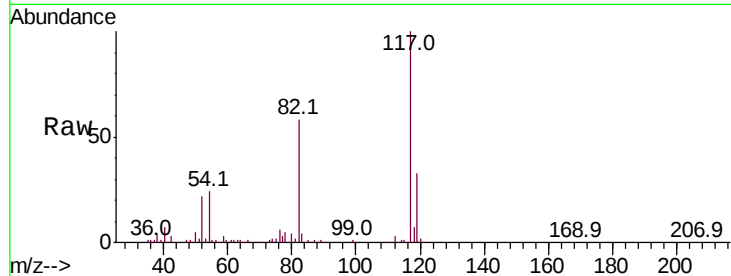




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

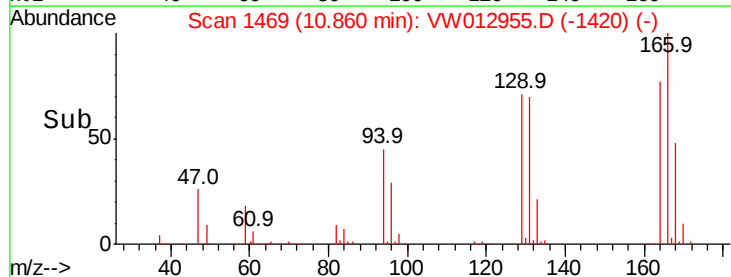
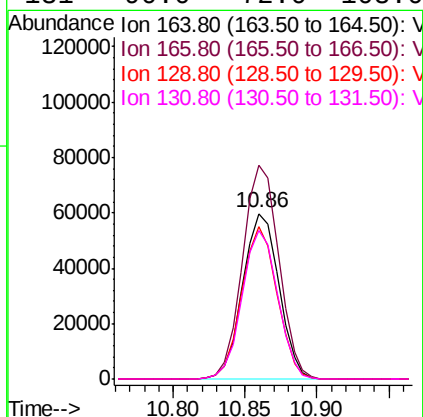
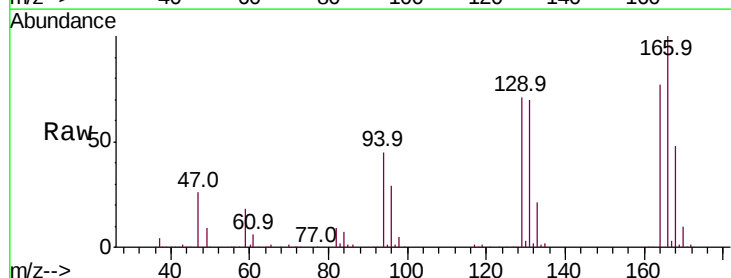
Instrument :
MSVOA_W
ClientSampleId :

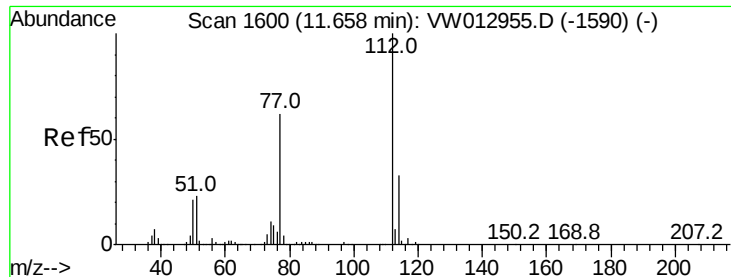
Tot Ion:117 Resp: 351038
Ion Ratio Lower Upper
117 100
82 57.9 46.3 69.5
119 32.8 26.2 39.4



#64
Tetrachloroethene
Concen: 49.950 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Tgt Ion:164 Resp: 104313
Ion Ratio Lower Upper
164 100
166 129.1 103.3 154.9
129 92.3 73.8 110.8
131 90.0 72.0 108.0





#65

Chlorobenzene

Concen: 50.078 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

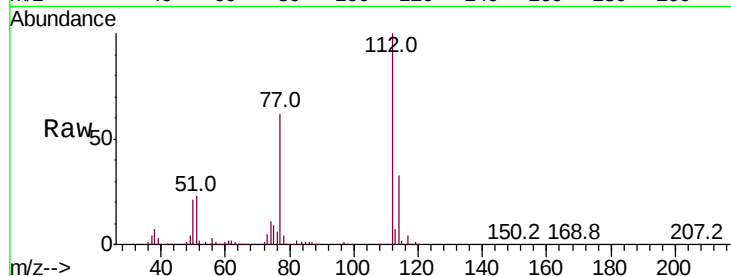
ClientSampleId :

Tot Ion:112 Resp: 313130

Ion Ratio Lower Upper

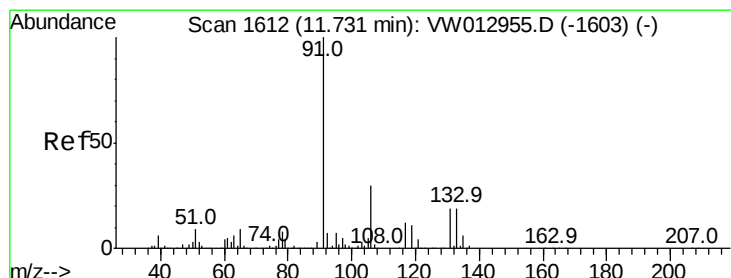
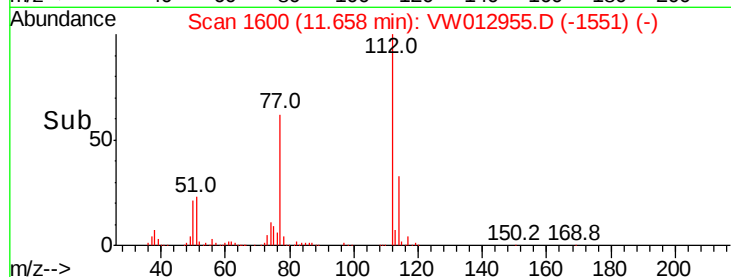
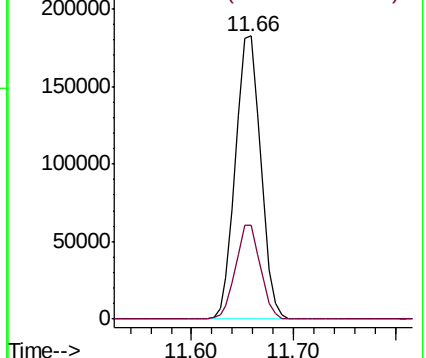
112 100

114 33.0 26.4 39.6



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: 51.421 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

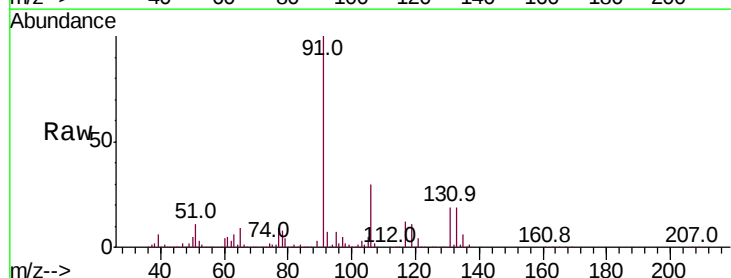
Tgt Ion:131 Resp: 123213

Ion Ratio Lower Upper

131 100

133 95.9 47.9 143.8

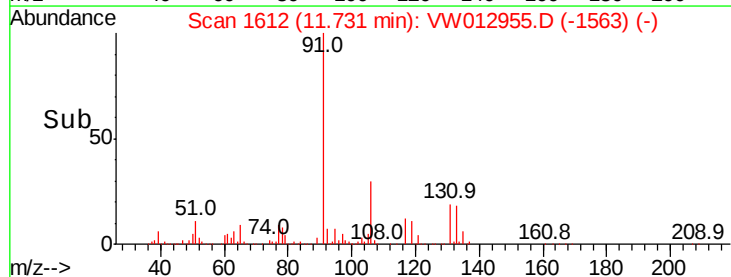
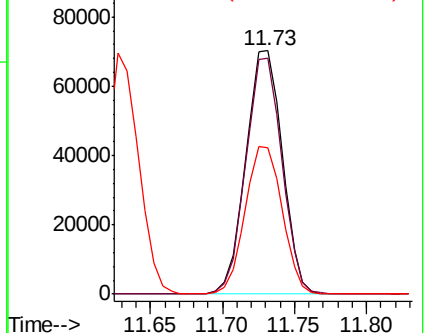
119 61.8 30.9 92.7

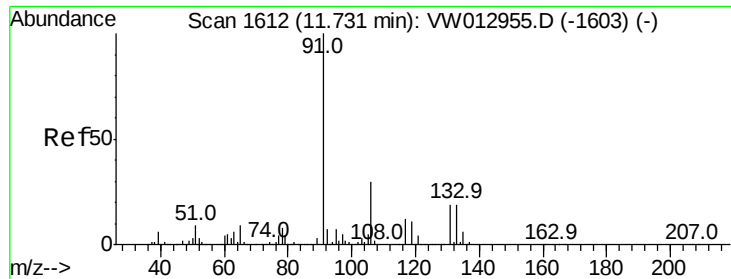


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

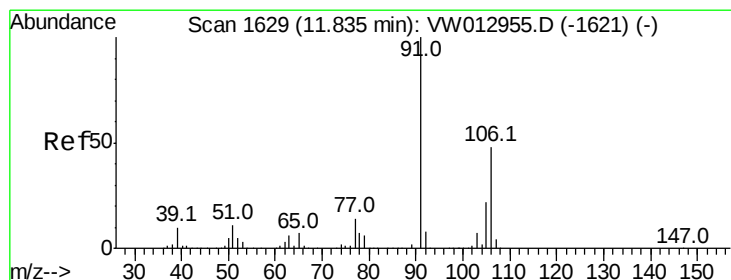
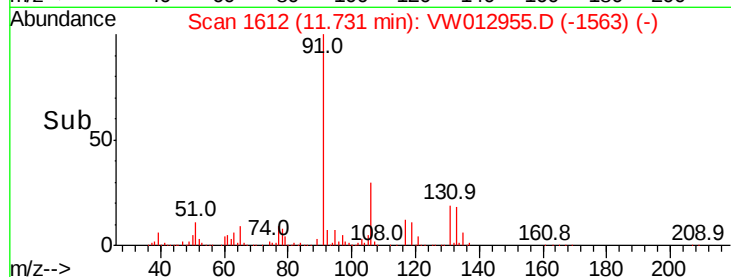
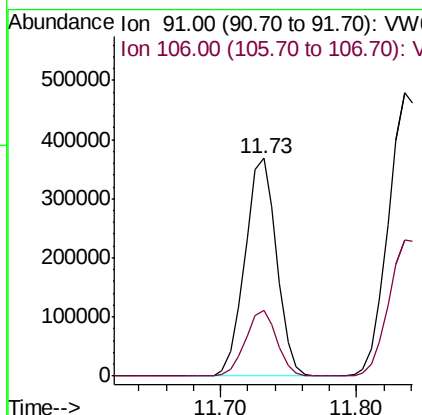
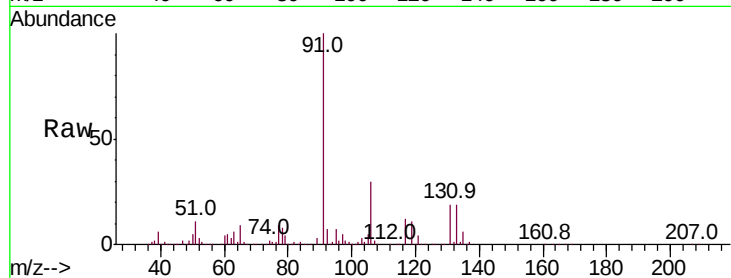




#67
Ethyl Benzene
Concen: 51.877 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

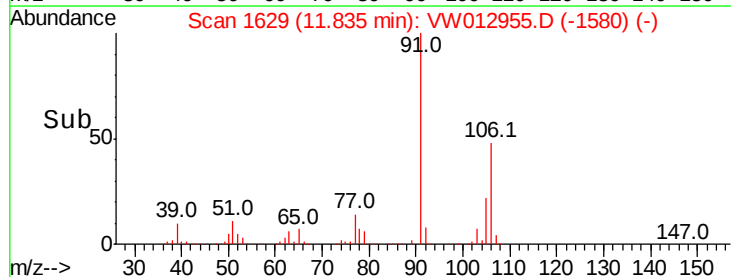
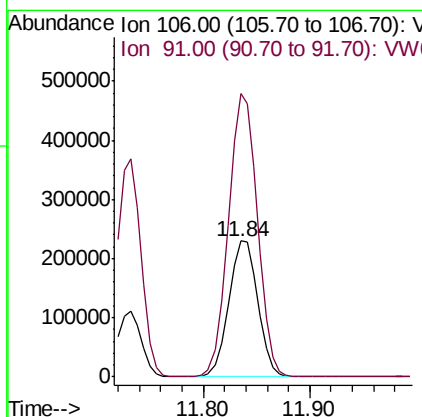
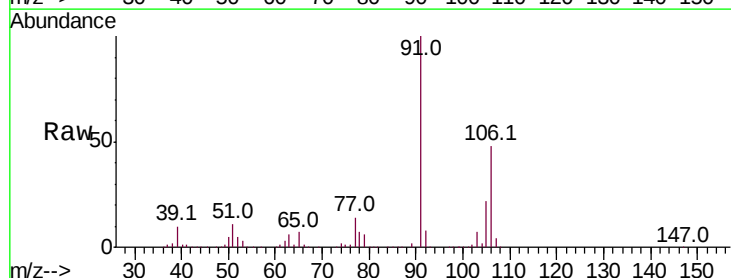
Instrument :
MSVOA_W
ClientSampled :

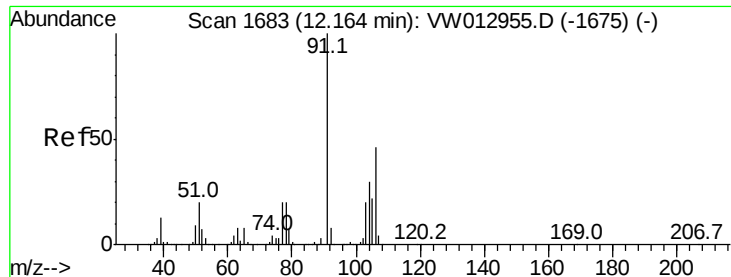
Tot Ion: 91 Resp: 599080
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 104.072 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Tgt Ion:106 Resp: 439047
Ion Ratio Lower Upper
106 100
91 207.3 165.8 248.8

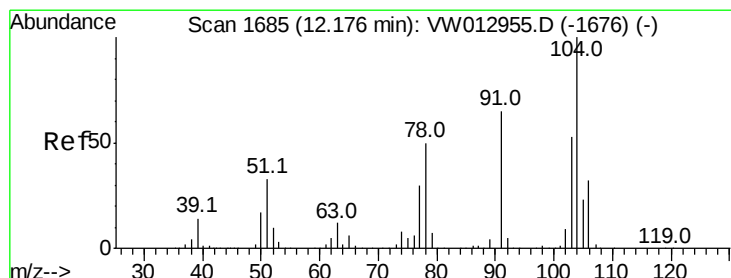
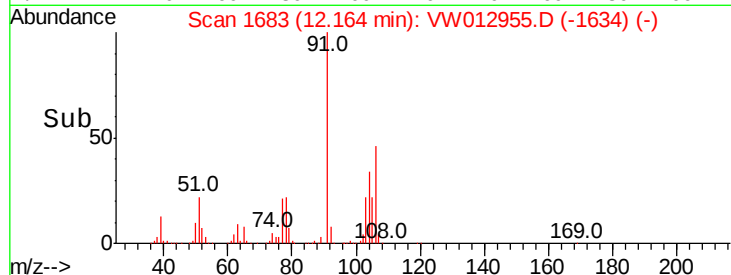
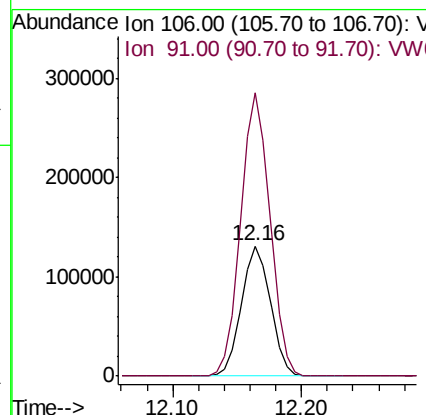
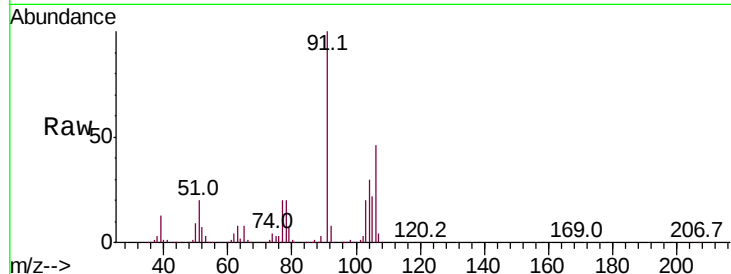




#69
o-Xylene
Concen: 51.752 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

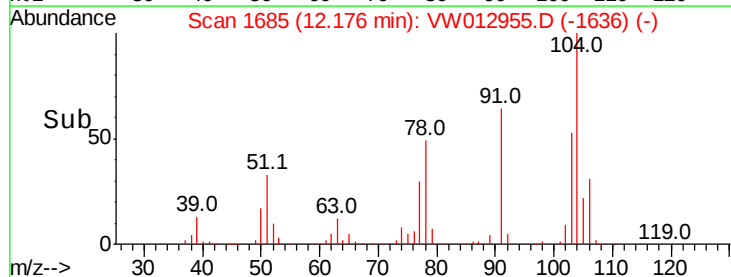
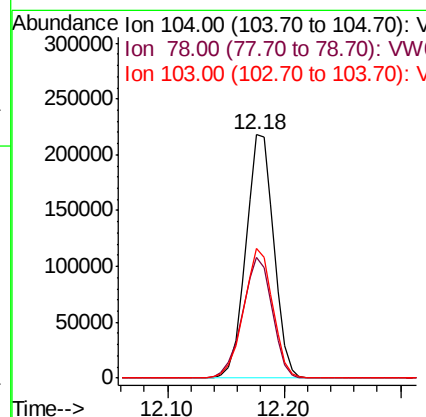
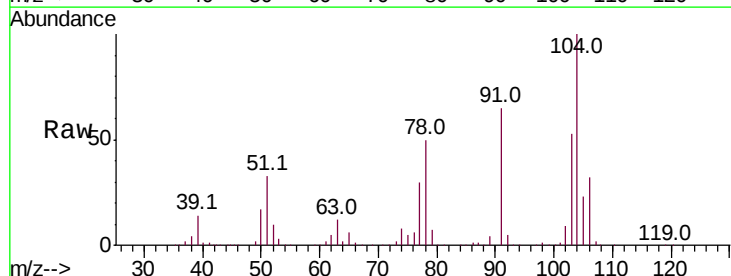
Instrument :
MSVOA_W
ClientSampleId :

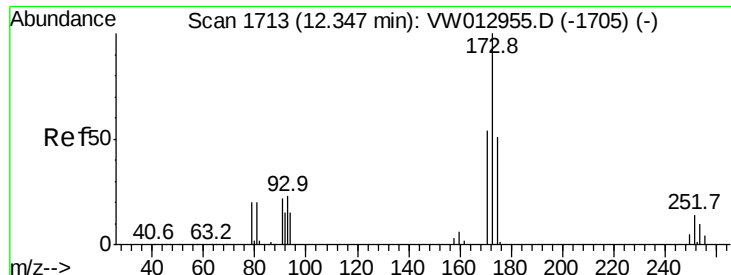
Tot Ion:106 Resp: 204686
Ion Ratio Lower Upper
106 100
91 219.3 109.7 329.0



#70
Styrene
Concen: 52.006 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Tgt Ion:104 Resp: 365902
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 55.3 44.2 66.4





#71

Bromoform

Concen: 52.872 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

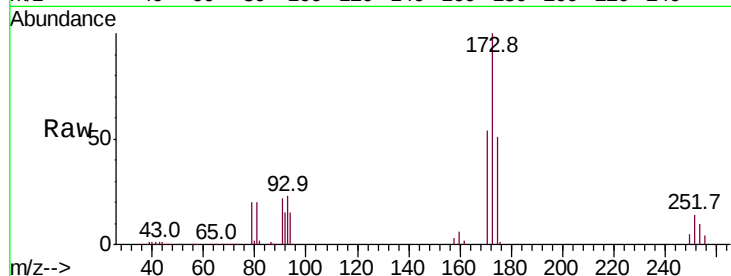
Tot Ion:173 Resp: 66547

Ion Ratio Lower Upper

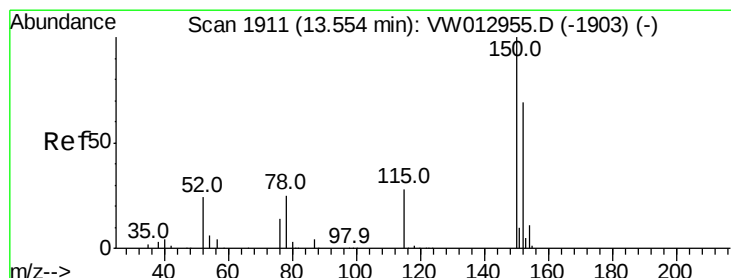
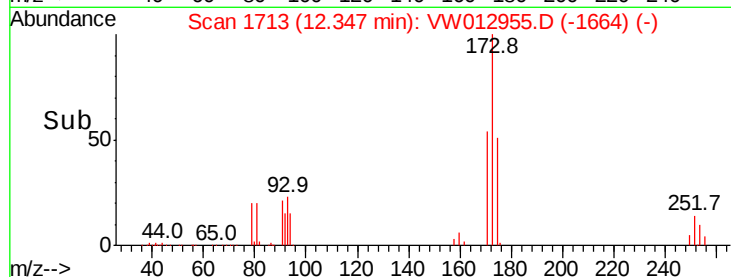
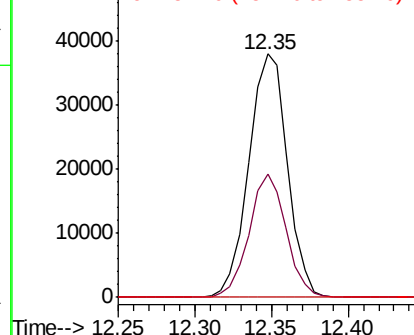
173 100

175 48.4 24.2 72.6

254 0.1 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: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

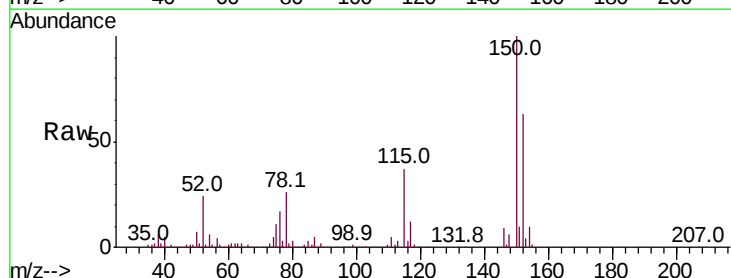
Tgt Ion:152 Resp: 175433

Ion Ratio Lower Upper

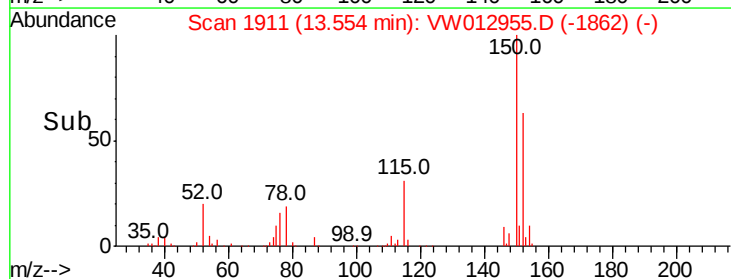
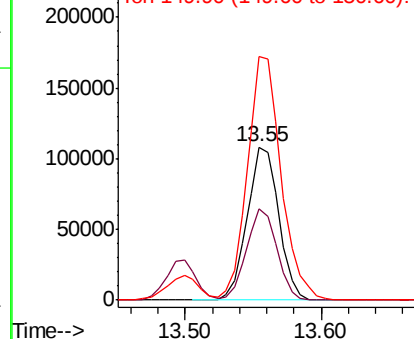
152 100

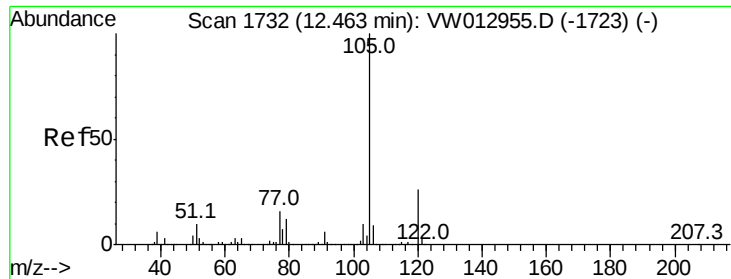
115 57.6 28.8 86.4

150 170.1 0.0 340.2



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

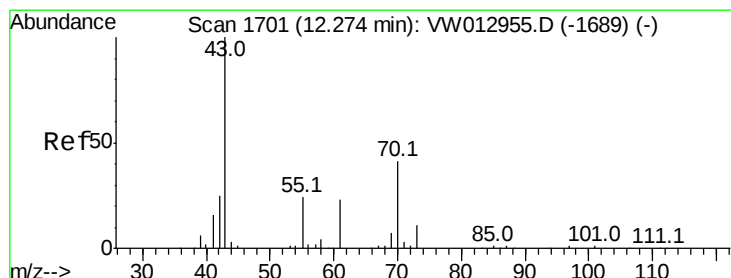
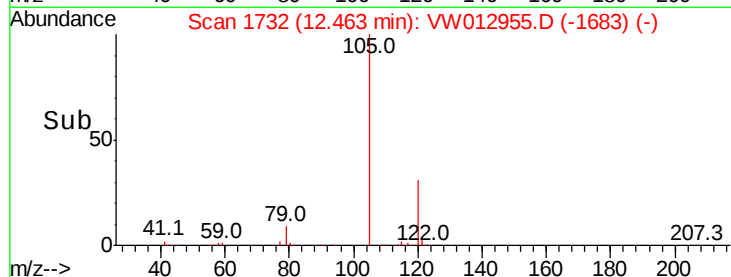
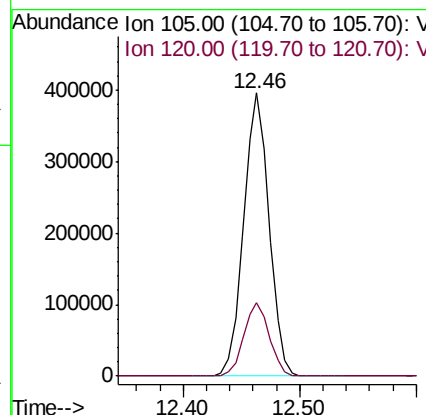
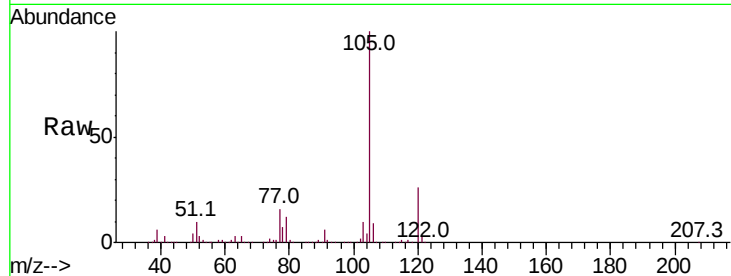




#73
Isopropylbenzene
Concen: 51.785 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

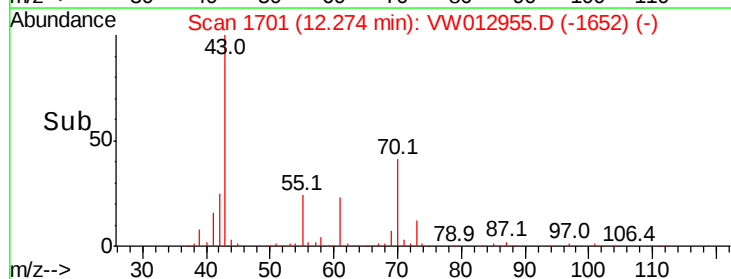
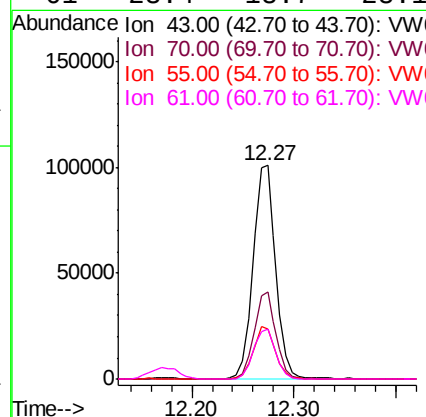
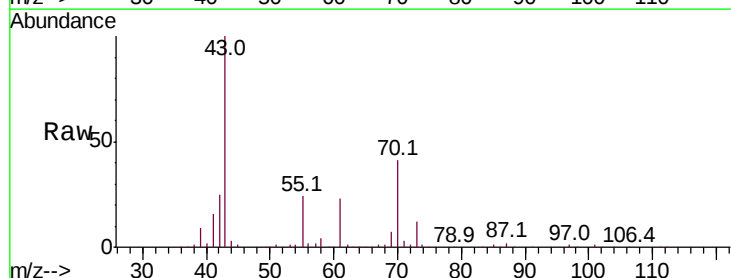
Instrument :
MSVOA_W
ClientSampleId :

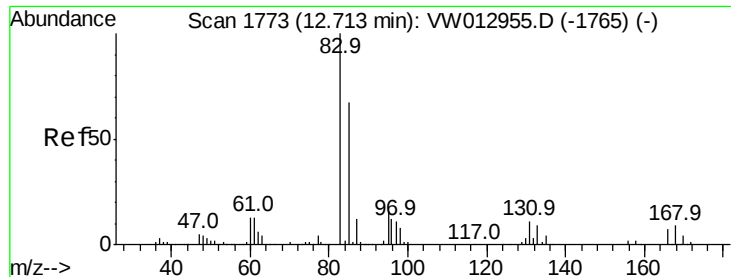
Tot Ion:105 Resp: 602159
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0



#74
N-ethyl acetate
Concen: 51.888 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Tgt Ion: 43 Resp: 155209
Ion Ratio Lower Upper
43 100
70 39.6 31.7 47.5
55 24.3 19.4 29.2
61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.978 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

ClientSampled :

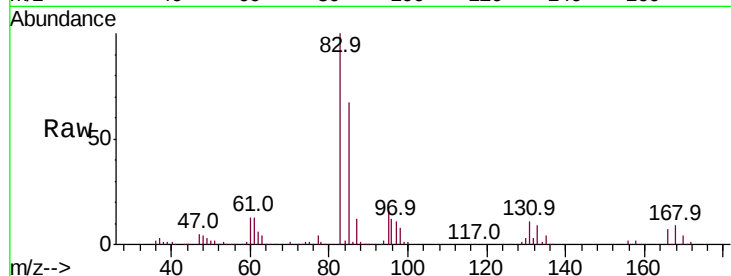
Tot Ion: 83 Resp: 106156

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.7	17.1
85	62.9	31.4	94.3

83 100

131 11.4 5.7 17.1

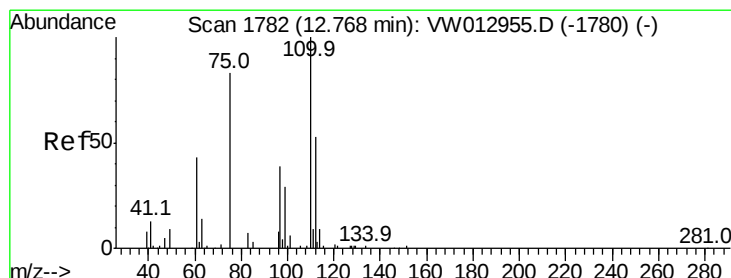
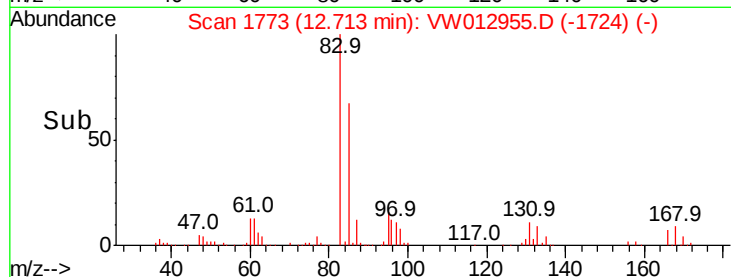
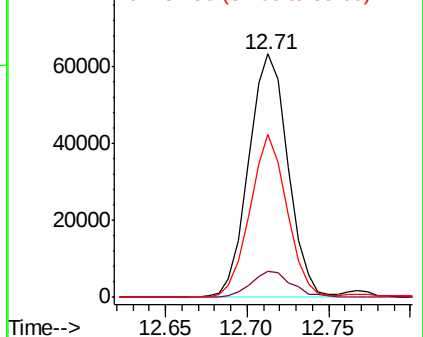
85 62.9 31.4 94.3



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: 94.911 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012955.D

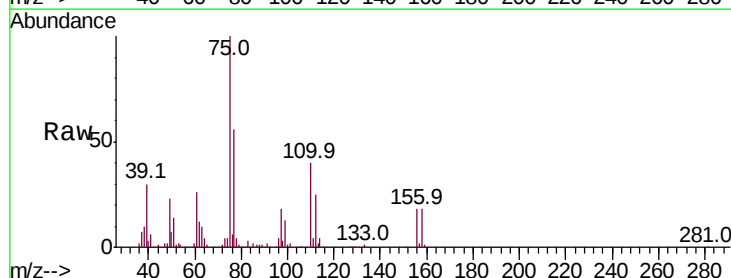
Acq: 13 Sep 2019 15:24

Tgt Ion: 75 Resp: 140489

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

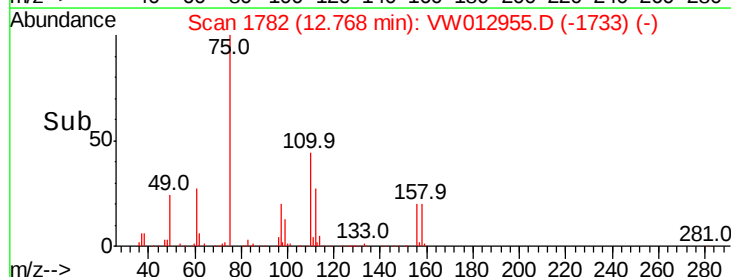
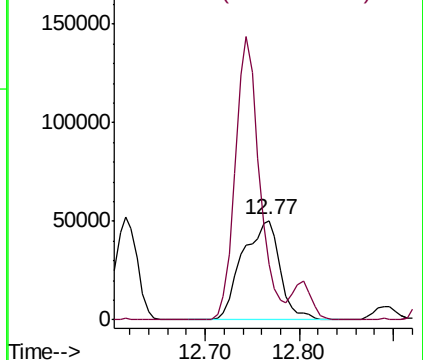
75 100

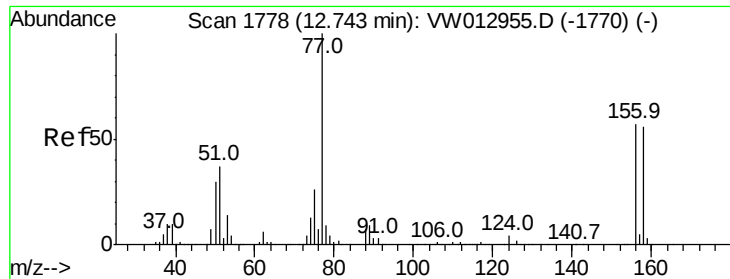
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.794 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

ClientSampled :

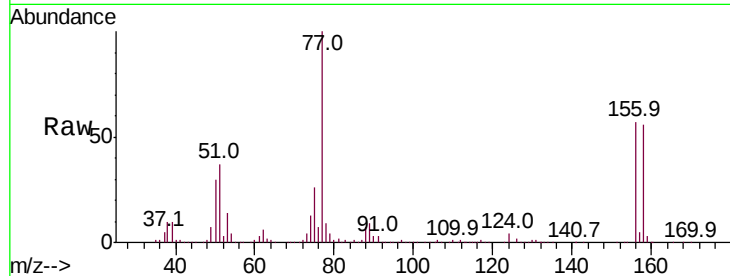
Tot Ion:156 Resp: 136070

Ion Ratio Lower Upper

156 100

77 190.4 95.2 285.6

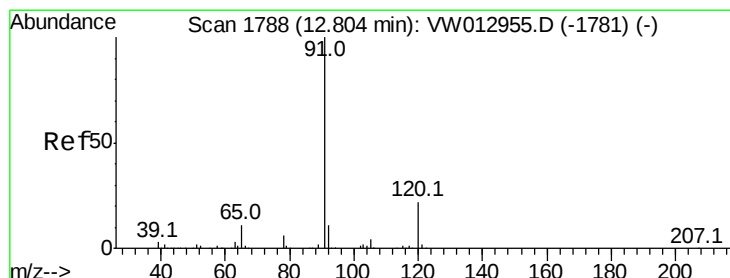
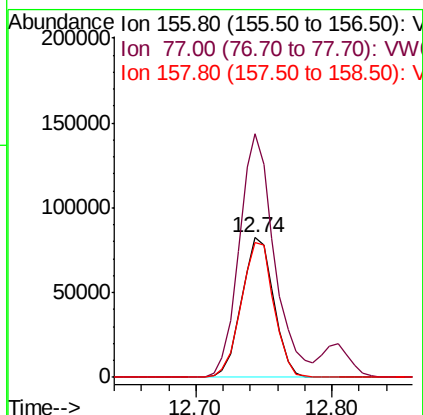
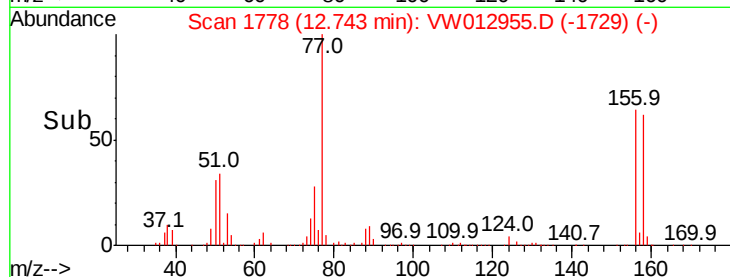
158 98.1 49.0 147.2



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: 52.135 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012955.D

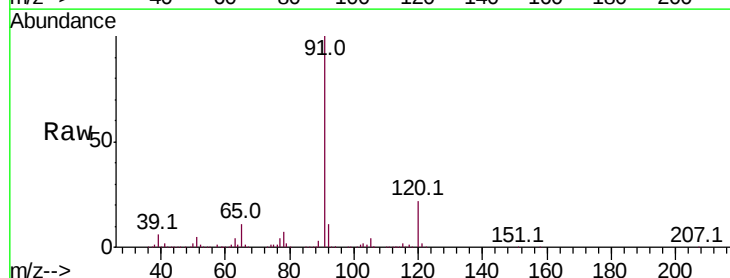
Acq: 13 Sep 2019 15:24

Tgt Ion: 91 Resp: 713112

Ion Ratio Lower Upper

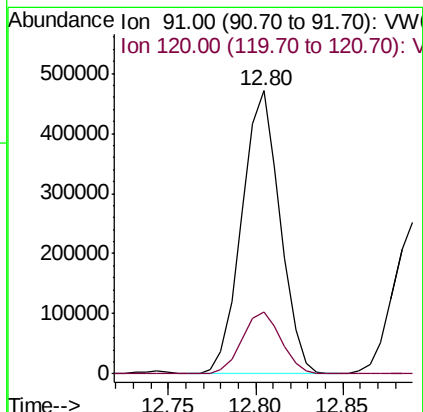
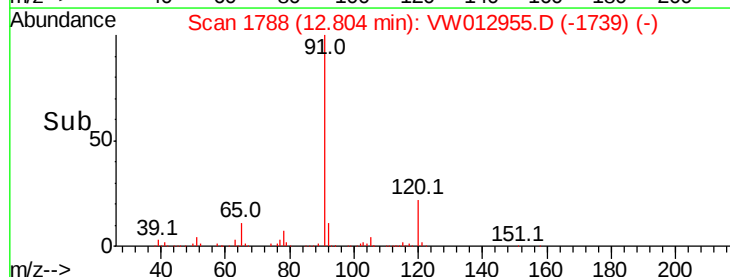
91 100

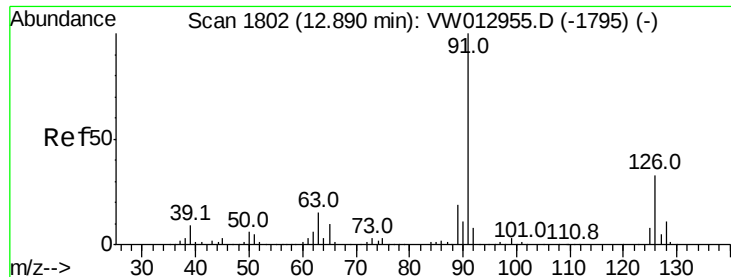
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.383 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

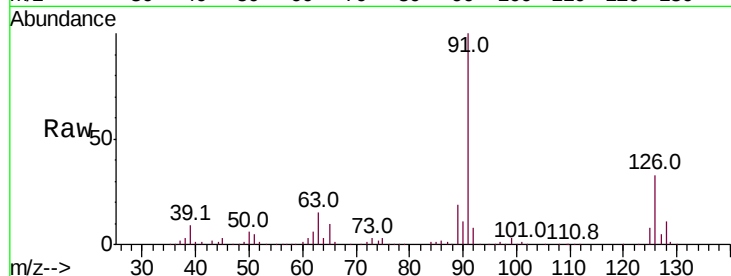
ClientSampled :

Tot Ion: 91 Resp: 404023

Ion Ratio Lower Upper

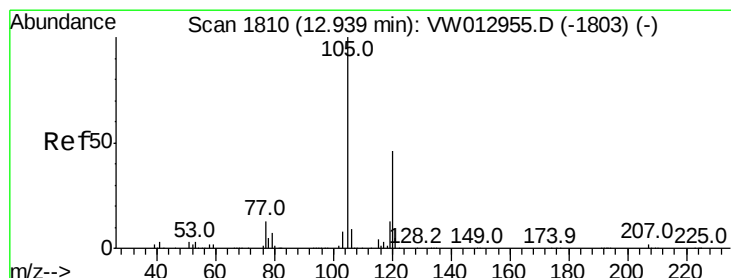
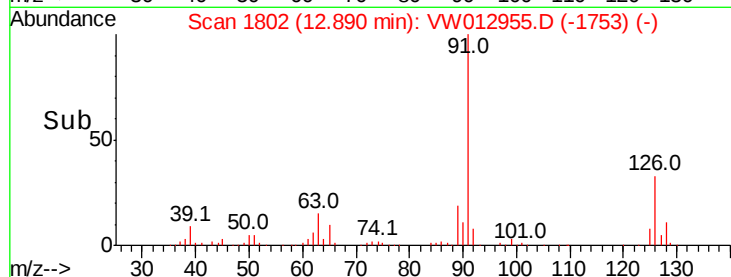
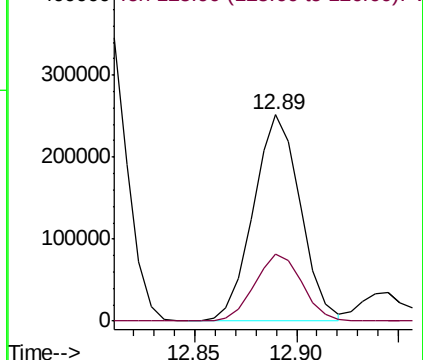
91 100

126 33.0 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.248 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW012955.D

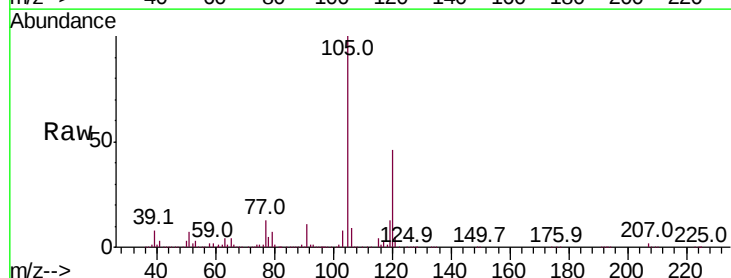
Acq: 13 Sep 2019 15:24

Tgt Ion:105 Resp: 504147

Ion Ratio Lower Upper

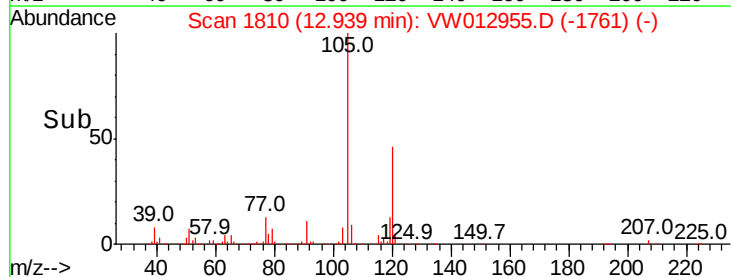
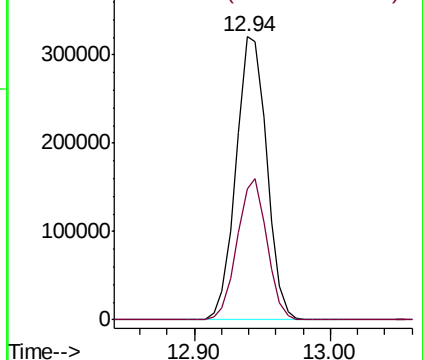
105 100

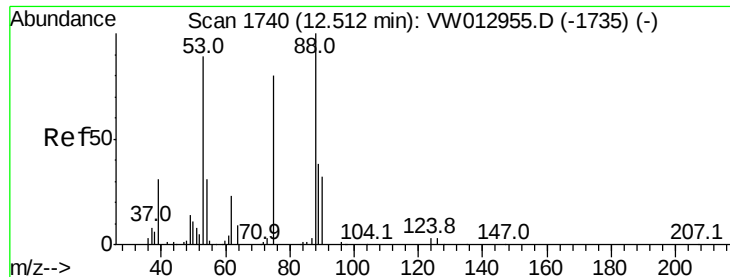
120 48.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.048 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

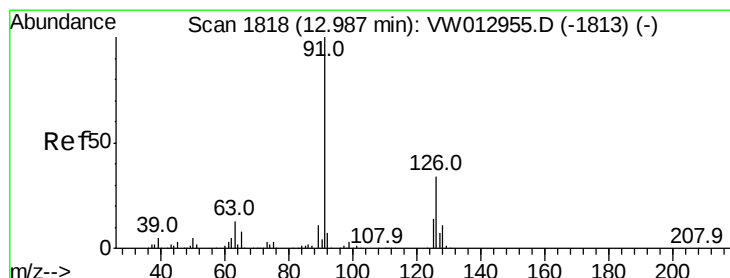
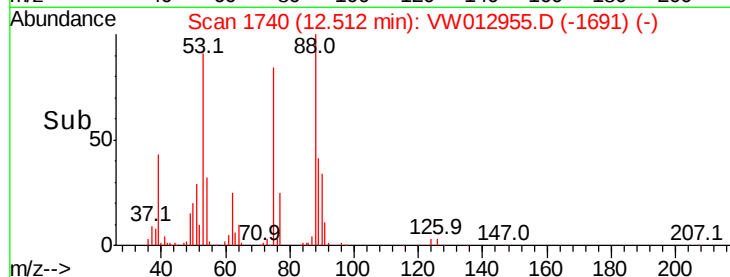
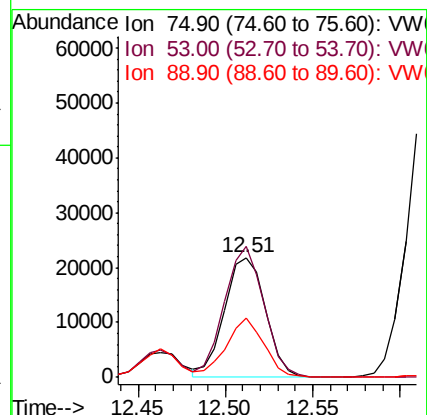
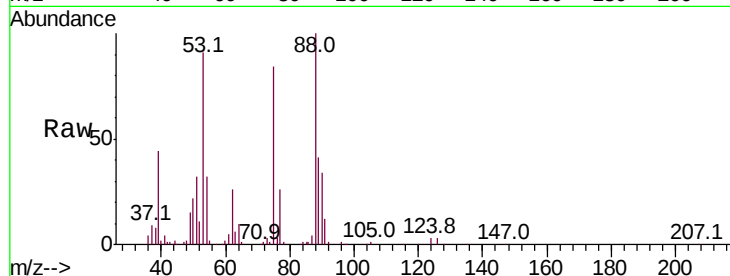
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 35257

Ion	Ratio	Lower	Upper
75	100		
53	107.0	85.6	128.4
89	46.5	37.2	55.8



#82

4-Chlorotoluene

Concen: 51.973 ug/l

RT: 12.99 min Scan# 1818

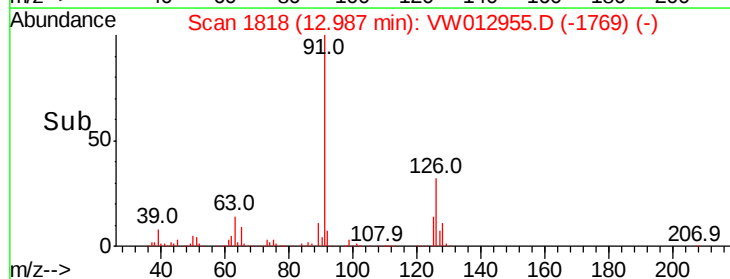
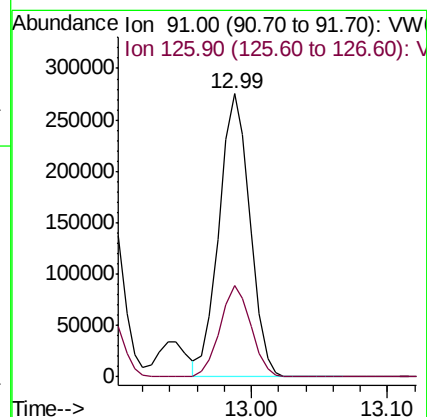
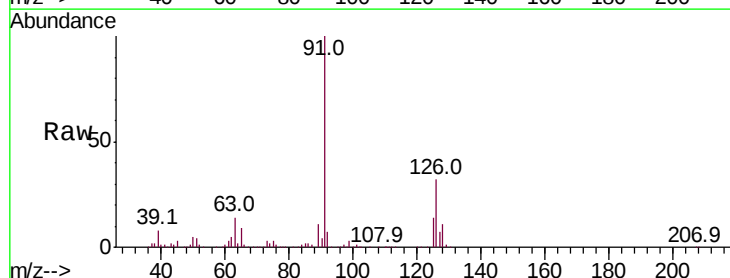
Delta R.T. 0.00 min

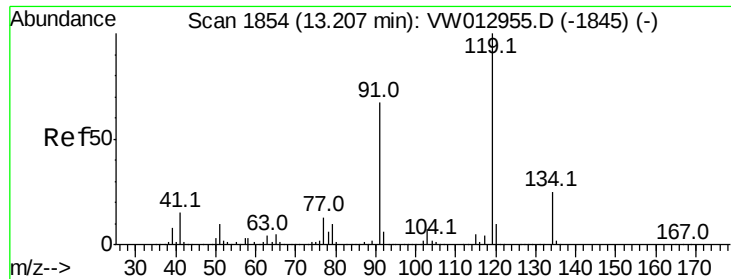
Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Tgt Ion: 91 Resp: 431190

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

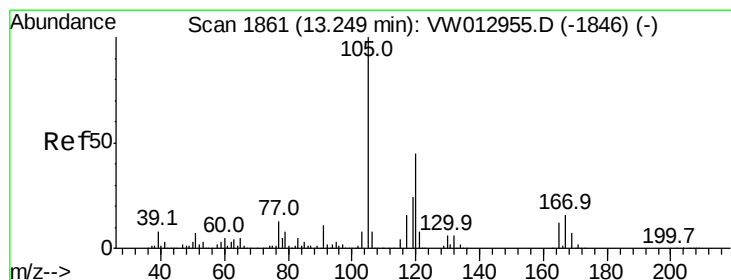
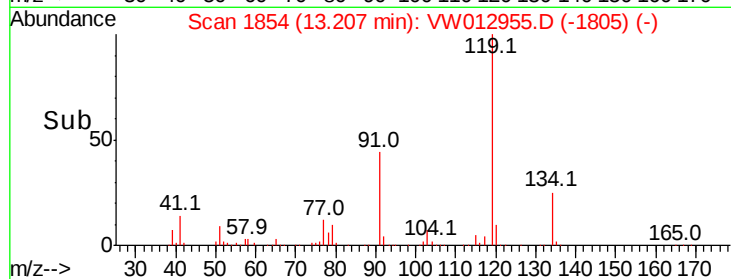
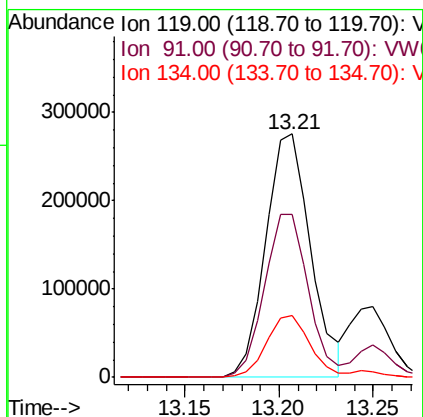
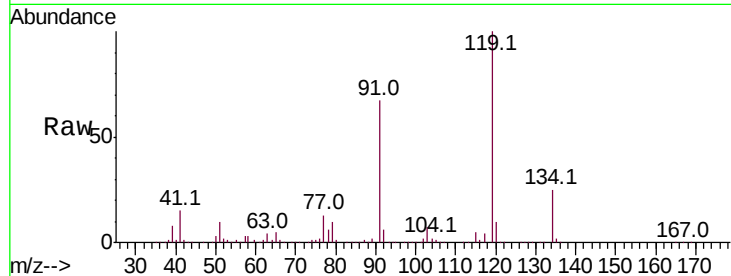




#83
 tert-Butylbenzene
 Concen: 51.894 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

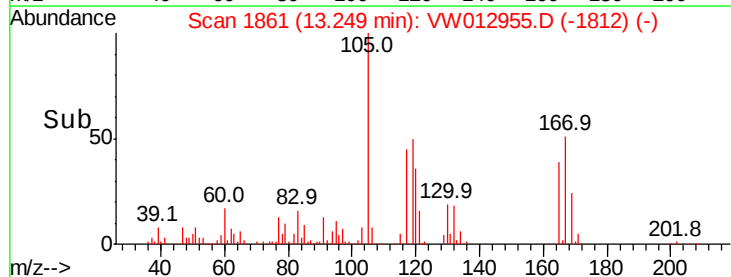
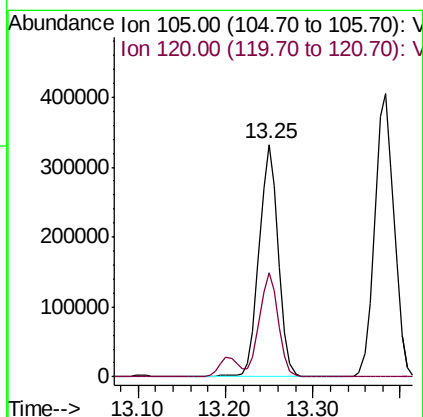
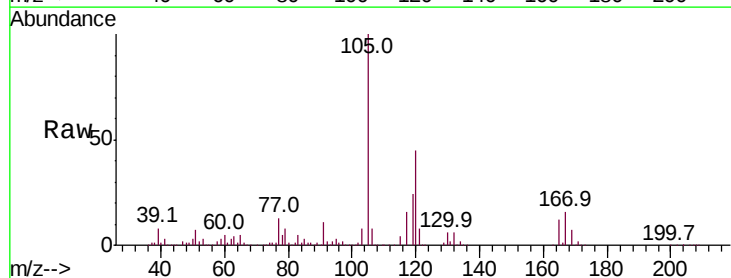
Instrument :
 MSVOA_W
 ClientSampled :

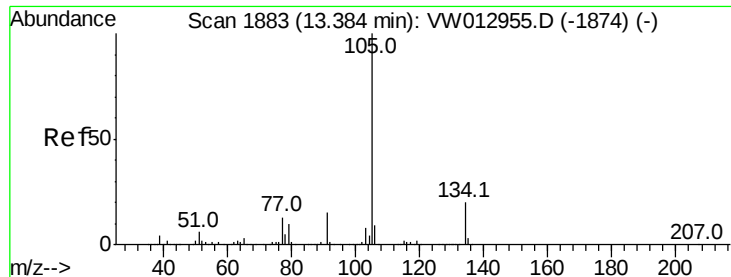
Tot Ion:119 Resp: 456626
 Ion Ratio Lower Upper
 119 100
 91 65.3 32.6 98.0
 134 24.9 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 51.824 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

Tgt Ion:105 Resp: 503781
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7

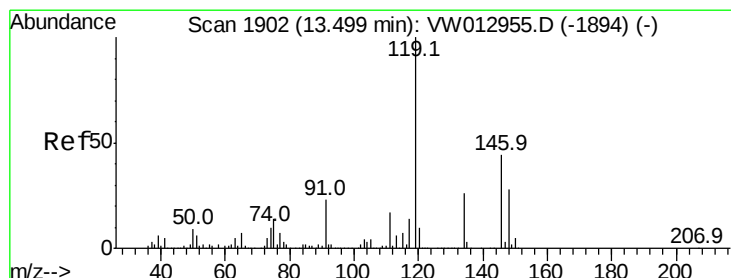
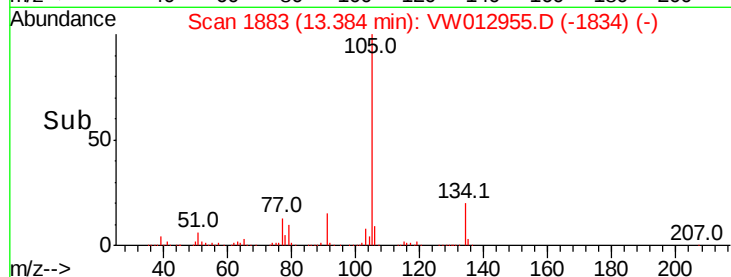
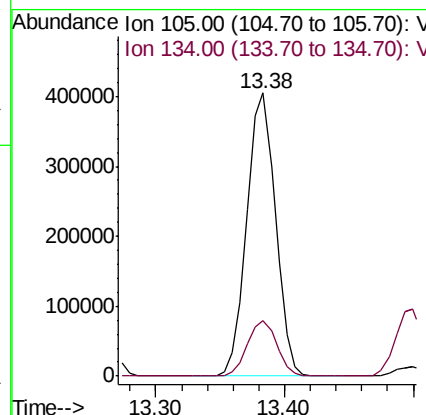
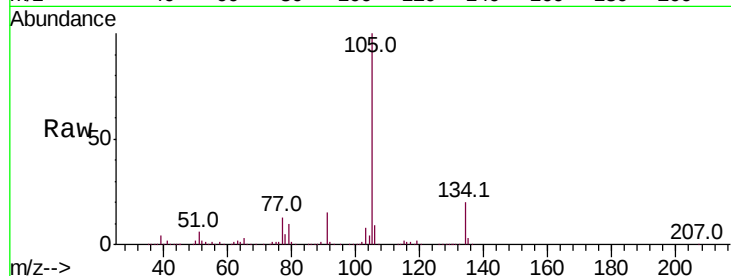




#85
 sec-Butylbenzene
 Concen: 51.854 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

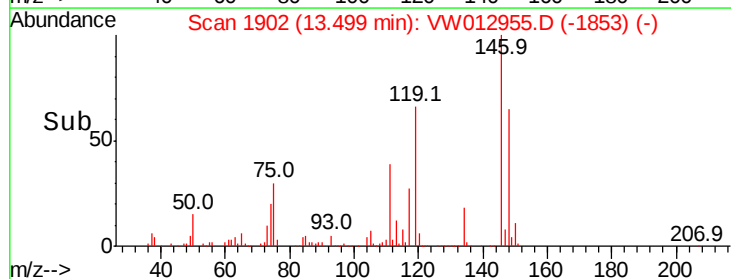
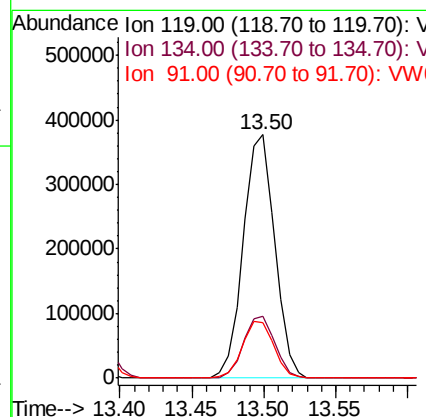
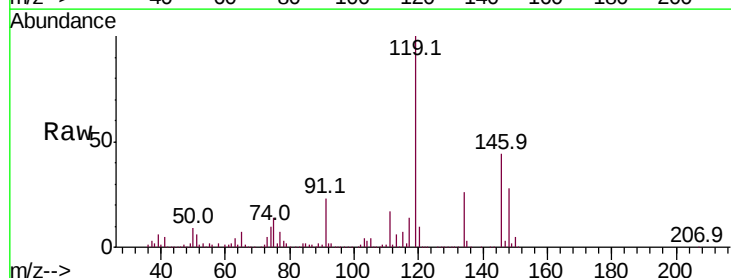
Instrument :
 MSVOA_W
 ClientSampleId :

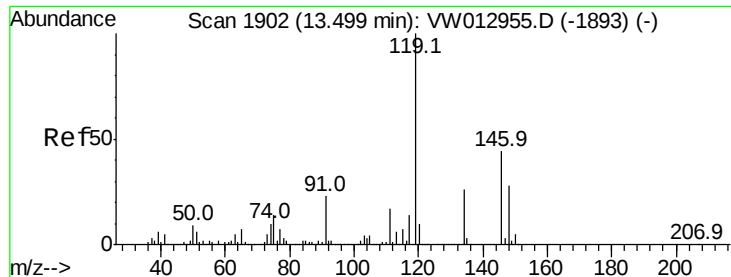
Tot Ion:105 Resp: 621650
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 51.899 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

Tgt Ion:119 Resp: 571238
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 23.6 11.8 35.4

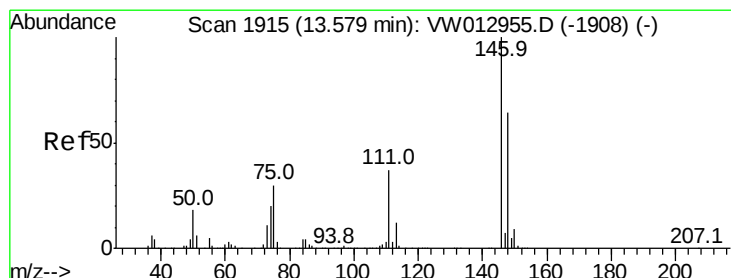
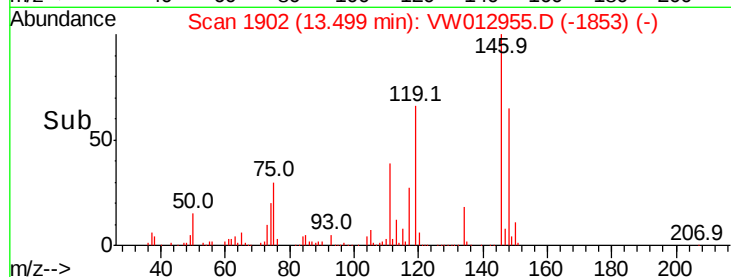
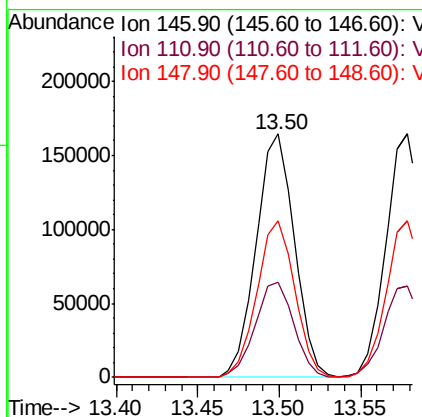
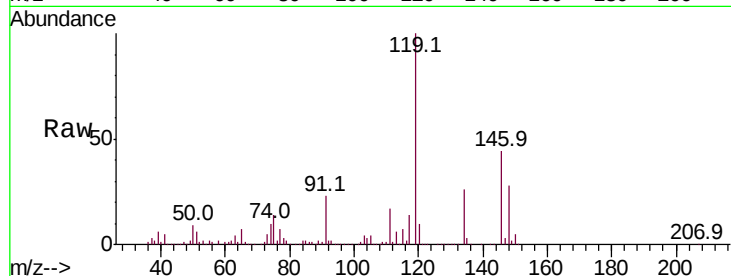




#87
 1,3-Dichlorobenzene
 Concen: 50.404 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

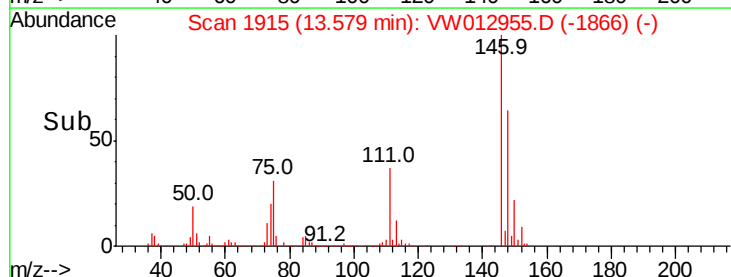
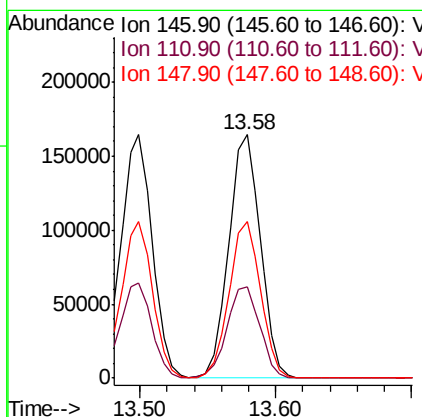
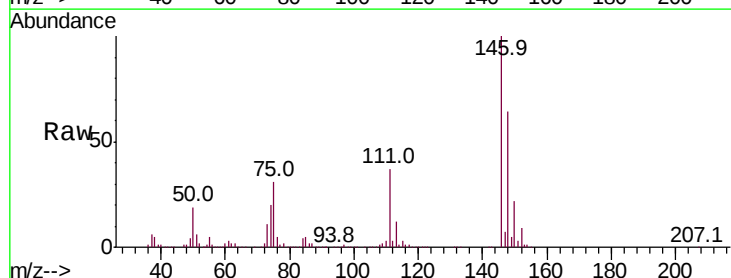
Instrument :
 MSVOA_W
 ClientSampled :

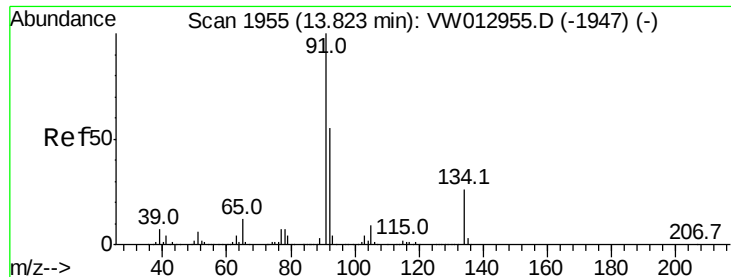
Tot Ion:146 Resp: 267293
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.8 59.4
 148 63.8 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 51.156 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

Tgt Ion:146 Resp: 266590
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.2
 148 63.7 31.9 95.5





#89

n-Butylbenzene

Concen: 52.196 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

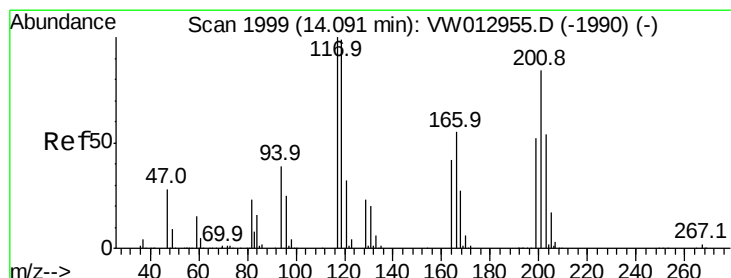
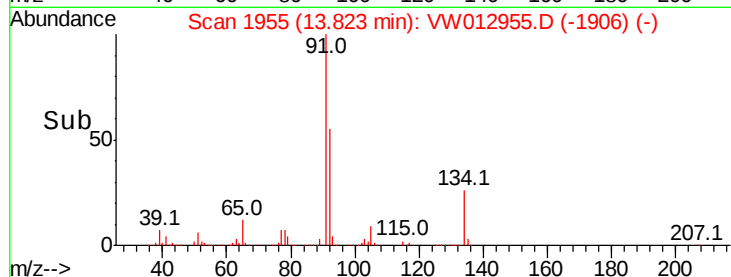
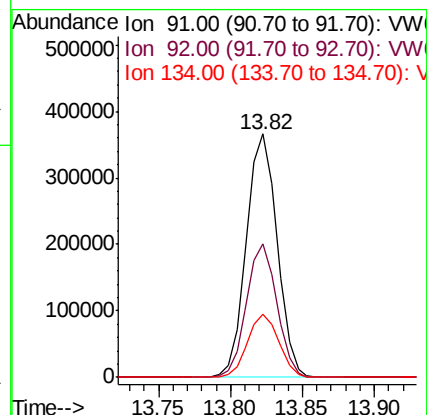
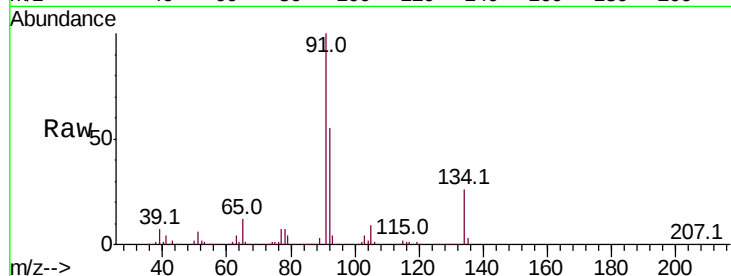
Tot Ion: 91 Resp: 541809

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.5

134 26.1 13.1 39.1



#90

Hexachloroethane

Concen: 51.095 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012955.D

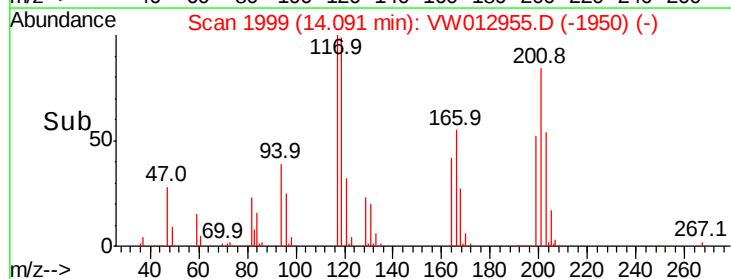
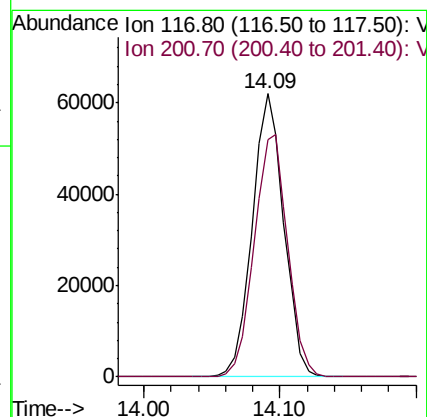
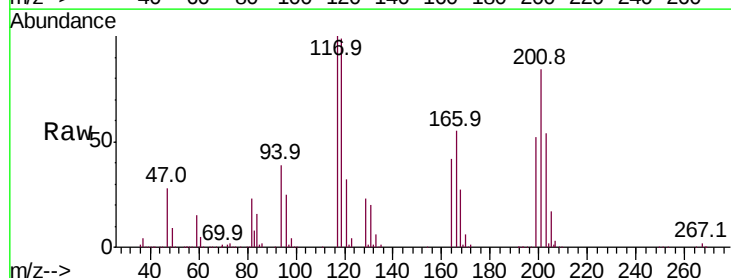
Acq: 13 Sep 2019 15:24

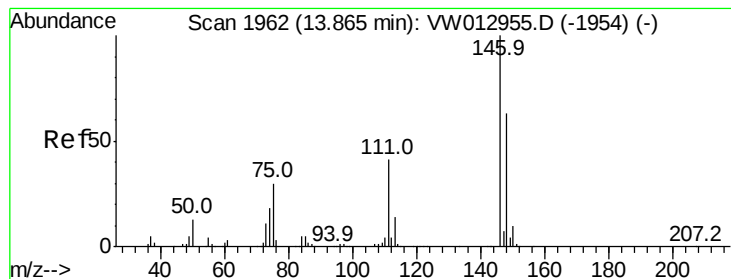
Tgt Ion: 117 Resp: 100782

Ion Ratio Lower Upper

117 100

201 90.6 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 50.377 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

Instrument :

MSVOA_W

ClientSampleId :

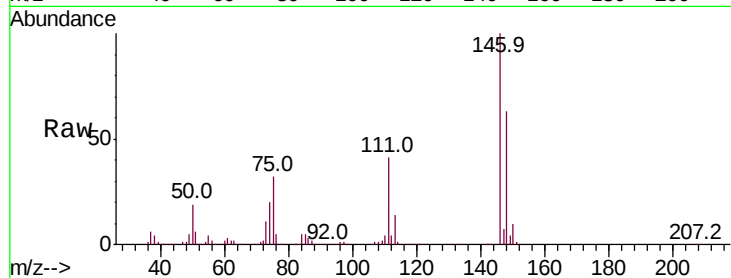
Tot Ion:146 Resp: 234930

Ion Ratio Lower Upper

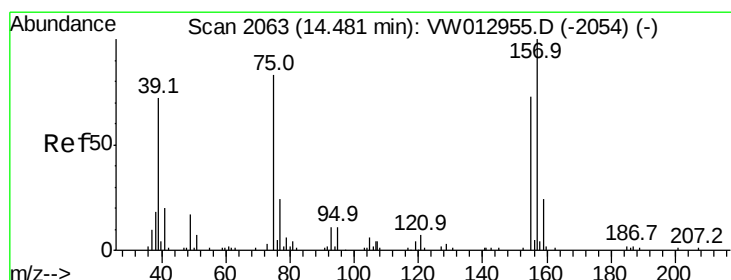
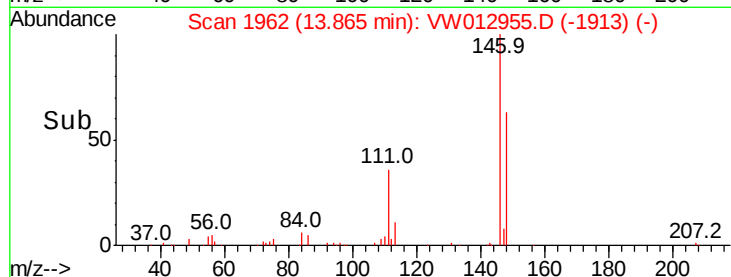
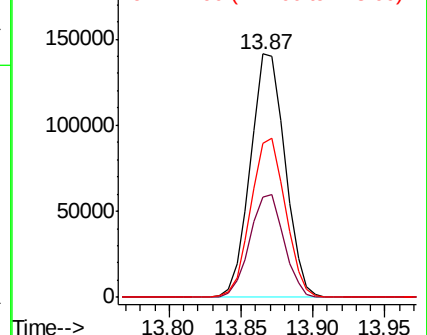
146 100

111 41.7 20.8 62.5

148 65.4 32.7 98.1



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.147 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW012955.D

Acq: 13 Sep 2019 15:24

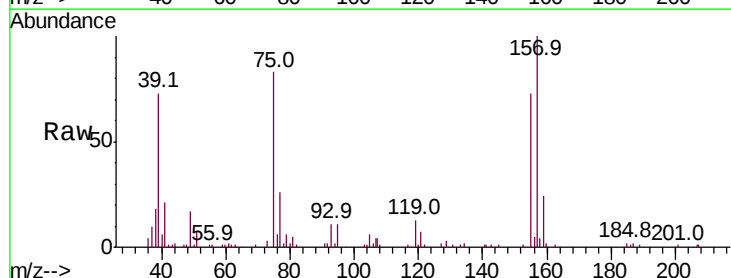
Tgt Ion: 75 Resp: 18373

Ion Ratio Lower Upper

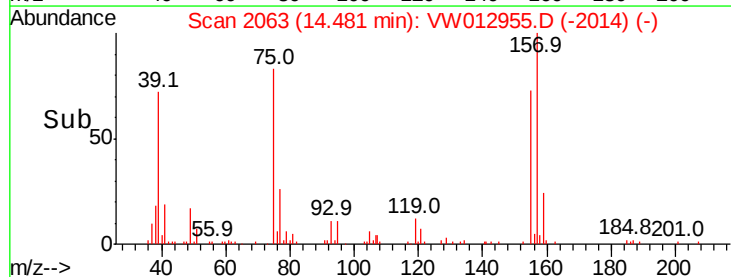
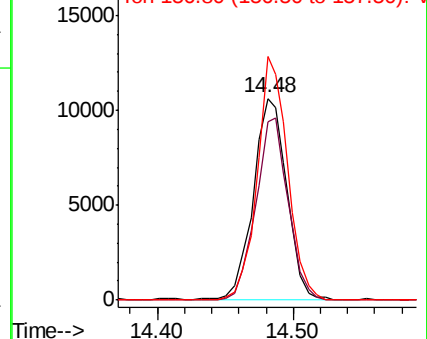
75 100

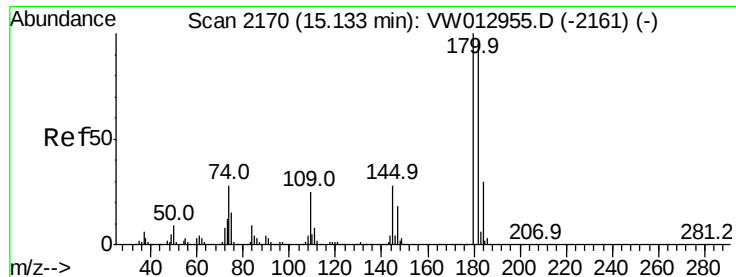
155 86.6 43.3 129.9

157 109.4 54.7 164.1



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

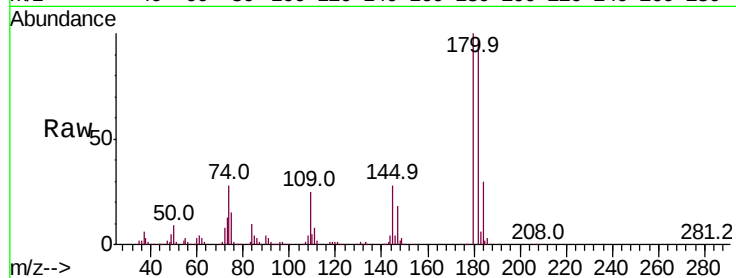




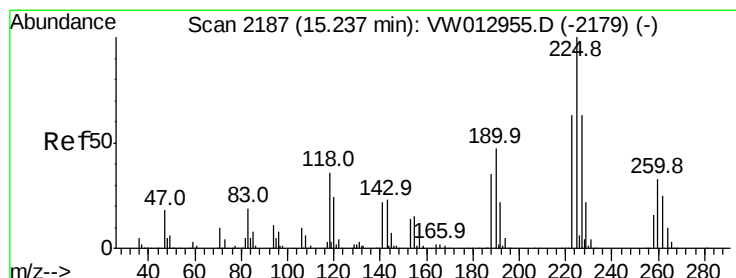
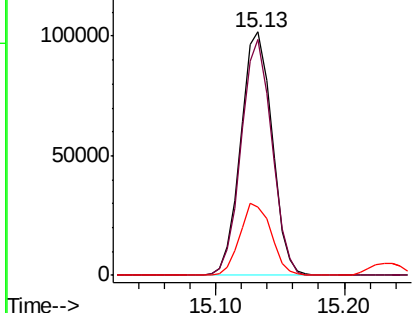
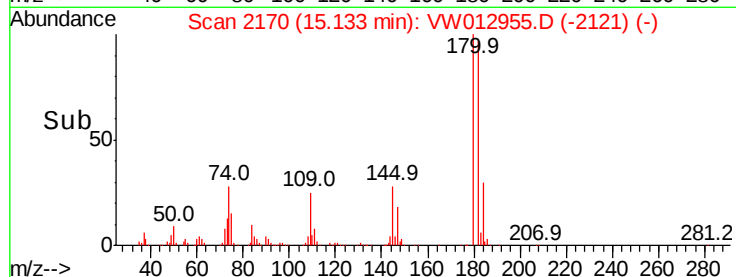
#93
 1,2,4-Trichlorobenzene
 Concen: 51.369 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
180	100	170847		
182	94.8	47.4	142.2	
145	29.8	14.9	44.7	

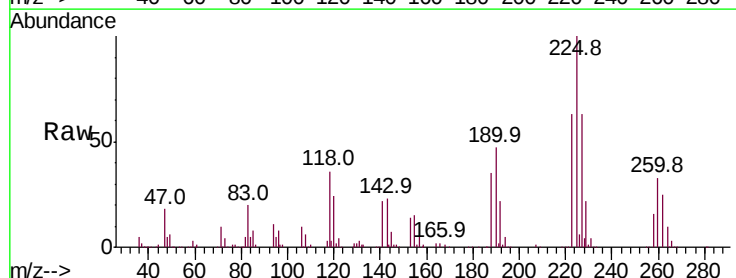


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

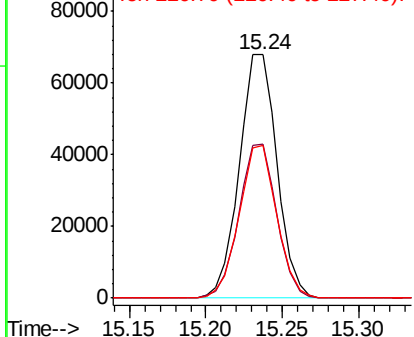
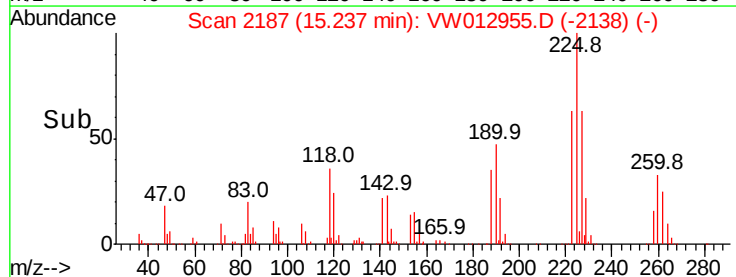


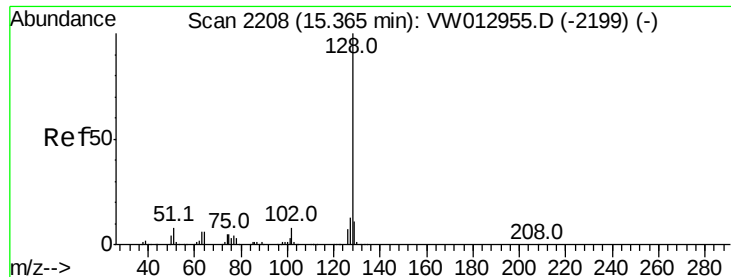
#94
 Hexachlorobutadiene
 Concen: 49.386 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012955.D
 Acq: 13 Sep 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116275		
223	63.5	31.8	95.3	
227	62.5	31.3	93.8	



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

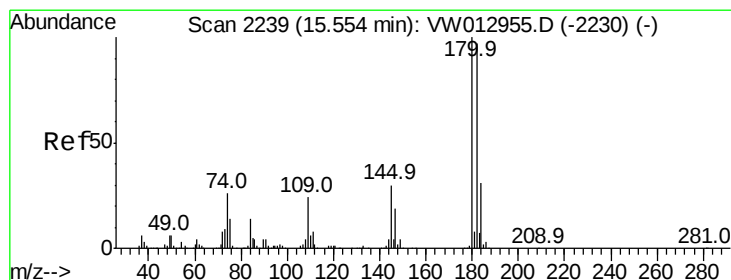
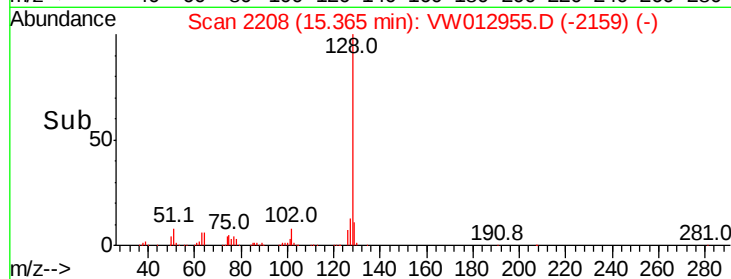
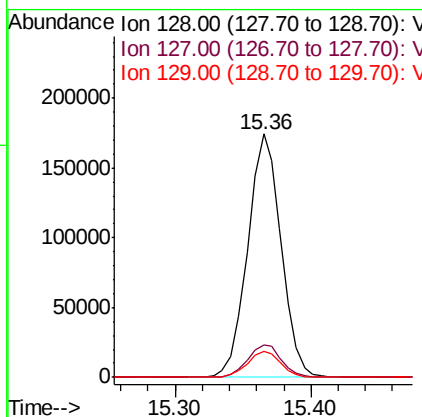
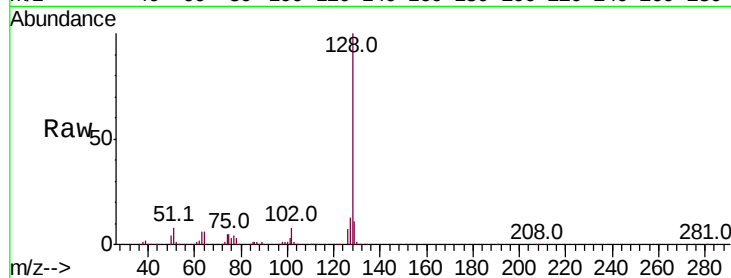




#95
Naphthalene
Concen: 53.866 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.6
129	10.7	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 50.779 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012955.D
Acq: 13 Sep 2019 15:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	30.8	15.4	46.2

