

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013012.D
 Acq On : 15 Sep 2019 00:59
 Operator : SY/VA
 Sample : VW0915SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:56:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	298500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	461336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	194426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	156121	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	
35) Dibromofluoromethane	7.88	113	129208	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.32	98	511556	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.62	95	180313	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25644	19.734	ug/l	91
3) Chloromethane	2.21	50	36119	22.473	ug/l	97
4) Vinyl Chloride	2.36	62	43303	20.268	ug/l	100
5) Bromomethane	2.76	94	26150	20.042	ug/l	97
6) Chloroethane	2.92	64	26738	20.405	ug/l	96
7) Trichlorofluoromethane	3.25	101	23262	15.569	ug/l	95
8) Diethyl Ether	3.68	74	25122	21.534	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44298	19.548	ug/l	100
10) Methyl Iodide	4.27	142	63330	22.331	ug/l	99
11) Tert butyl alcohol	5.19	59	19951	93.825	ug/l #	79
12) 1,1-Dichloroethene	4.04	96	41960	20.365	ug/l	94
13) Acrolein	3.89	56	20901	98.598	ug/l	95
14) Allyl chloride	4.66	41	83578	21.367	ug/l	97
15) Acrylonitrile	5.37	53	64402	108.084	ug/l	98
16) Acetone	4.12	43	53415	75.660	ug/l	97
17) Carbon Disulfide	4.38	76	87669	21.351	ug/l	97
18) Methyl Acetate	4.67	43	37177	23.670	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	89070	21.900	ug/l	97
20) Methylene Chloride	4.91	84	57380	22.958	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	45229	20.495	ug/l	94
22) Diisopropyl ether	6.31	45	180206	22.176	ug/l	98
23) Vinyl Acetate	6.24	43	495414	101.791	ug/l	100
24) 1,1-Dichloroethane	6.21	63	99443	21.225	ug/l	97
25) 2-Butanone	7.17	43	86599	98.788	ug/l	99
26) 2,2-Dichloropropane	7.16	77	56392	16.019	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	56294	21.307	ug/l	98
28) Bromochloromethane	7.51	49	41864	21.229	ug/l	94
29) Tetrahydrofuran	7.53	42	58586	117.294	ug/l	95
30) Chloroform	7.67	83	100611	21.134	ug/l	98
31) Cyclohexane	7.95	56	80412	20.342	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	78469	20.016	ug/l	98
36) 1,1-Dichloropropene	8.08	75	70740	19.189	ug/l	98
37) Ethyl Acetate	7.25	43	40900	20.902	ug/l	99
38) Carbon Tetrachloride	8.07	117	67321	17.820	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013012.D
 Acq On : 15 Sep 2019 00:59
 Operator : SY/VA
 Sample : VW0915SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:56:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	73423	18.176	ug/l	97
40) Benzene	8.32	78	206792	20.094	ug/l	99
41) Methacrylonitrile	7.48	41	23896	18.544	ug/l	93
42) 1,2-Dichloroethane	8.40	62	67367	19.527	ug/l	97
43) Isopropyl Acetate	8.42	43	70681	18.813	ug/l	99
44) Trichloroethene	9.09	130	56136	19.914	ug/l	91
45) 1,2-Dichloropropane	9.37	63	53820	19.683	ug/l	99
46) Dibromomethane	9.46	93	25971	19.825	ug/l	98
47) Bromodichloromethane	9.64	83	72863	19.829	ug/l	98
48) Methyl methacrylate	9.43	41	34704	19.682	ug/l	99
49) 1,4-Dioxane	9.46	88	7984	363.728	ug/l	88
51) 4-Methyl-2-Pentanone	10.21	43	196106	101.104	ug/l	100
52) Toluene	10.38	92	127768	19.538	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	69231	18.734	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	79529	18.808	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	41372	20.731	ug/l	95
56) Ethyl methacrylate	10.65	69	55645	20.715	ug/l	99
57) 1,3-Dichloropropane	10.93	76	72962	20.610	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	141979	98.532	ug/l	98
59) 2-Hexanone	10.97	43	129370	95.787	ug/l	100
60) Dibromochloromethane	11.13	129	46379	19.223	ug/l	96
61) 1,2-Dibromoethane	11.24	107	37369	20.527	ug/l	98
64) Tetrachloroethene	10.86	164	49431	21.367	ug/l	95
65) Chlorobenzene	11.66	112	137187	19.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.72	131	52536	19.792	ug/l	99
67) Ethyl Benzene	11.73	91	251332	19.646	ug/l	100
68) m/p-Xylenes	11.83	106	181503	38.838	ug/l	97
69) o-Xylene	12.16	106	90280	20.605	ug/l	100
70) Styrene	12.18	104	156234	20.045	ug/l	100
71) Bromoform	12.35	173	27325	19.598	ug/l #	98
73) Isopropylbenzene	12.46	105	247651	19.217	ug/l	100
74) N-amyl acetate	12.27	43	64044	19.319	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	44459	19.642	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	59589	34.990	ug/l #	100
77) Bromobenzene	12.74	156	58608	19.741	ug/l	99
78) n-propylbenzene	12.80	91	292586	19.301	ug/l	100
79) 2-Chlorotoluene	12.89	91	173487	19.908	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	214673	19.690	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13757	18.325	ug/l	97
82) 4-Chlorotoluene	12.99	91	179929	19.569	ug/l	99
83) tert-Butylbenzene	13.21	119	188407	19.320	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	209574	19.453	ug/l	100
85) sec-Butylbenzene	13.38	105	236105	17.770	ug/l	99
86) p-Isopropyltoluene	13.50	119	228475	18.730	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	112518	19.145	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	111799	19.358	ug/l	97
89) n-Butylbenzene	13.82	91	209422	18.204	ug/l	100
90) Hexachloroethane	14.09	117	40570	18.559	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	103124	19.953	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8453	20.403	ug/l	94

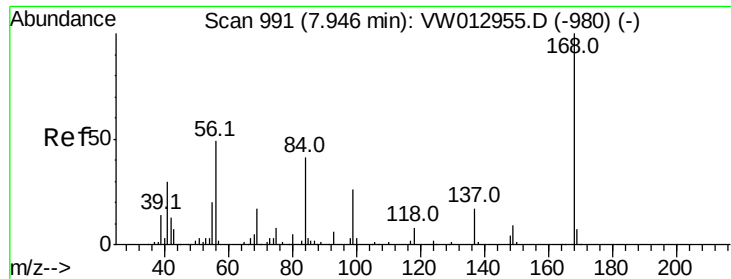
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013012.D
Acq On : 15 Sep 2019 00:59
Operator : SY/VA
Sample : VW0915SBSD02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 16 06:56:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	70166	19.036	ug/l	98
94) Hexachlorobutadiene	15.23	225	48956	18.762	ug/l	99
95) Naphthalene	15.36	128	125868	20.437	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	65256	20.028	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

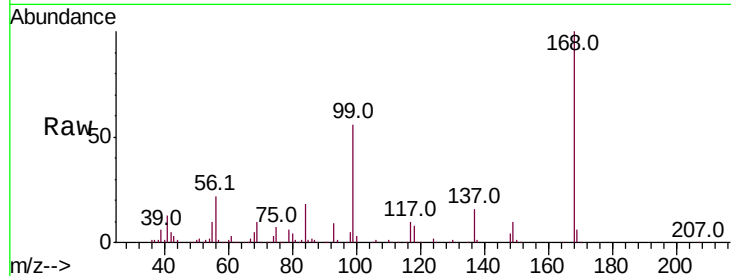
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 298500

Ion Ratio Lower Upper

168 100

99 55.9 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

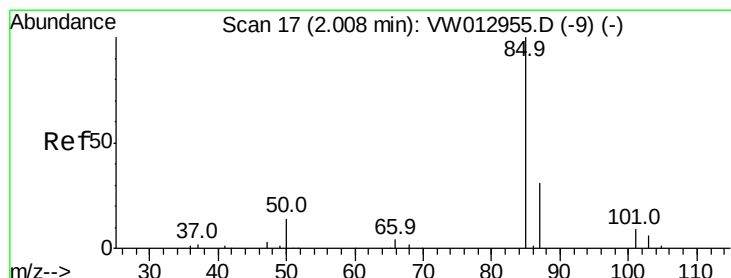
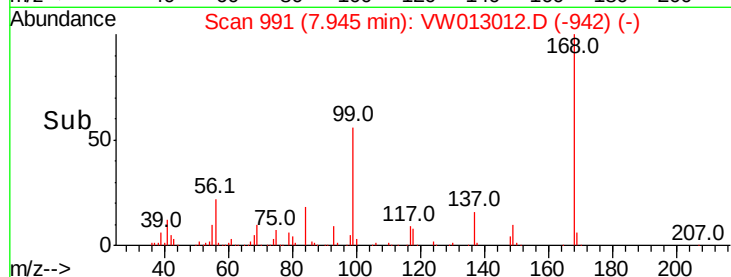
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.734 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013012.D

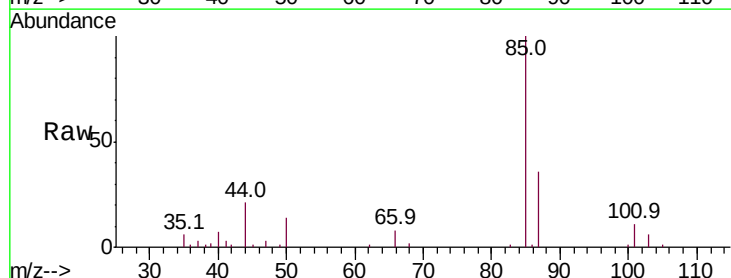
Acq: 15 Sep 2019 00:59

Tgt Ion: 85 Resp: 25644

Ion Ratio Lower Upper

85 100

87 35.7 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

10000

8000

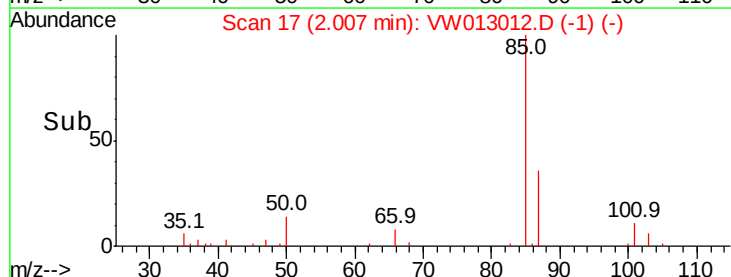
6000

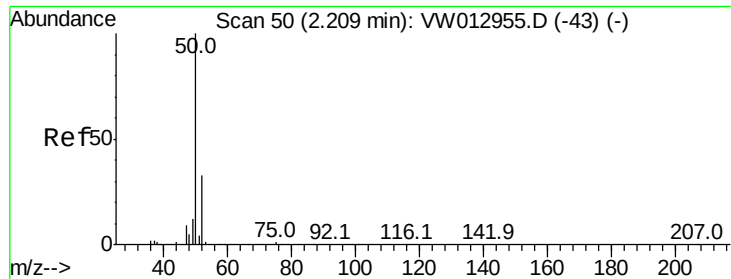
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 22.473 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

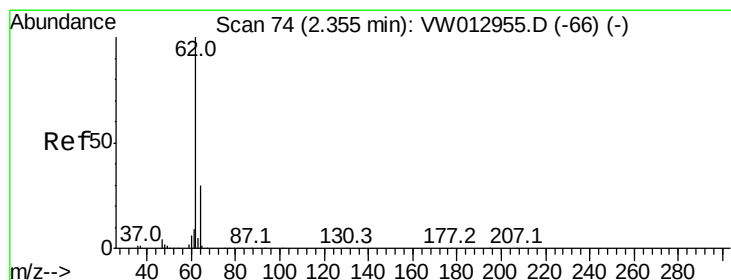
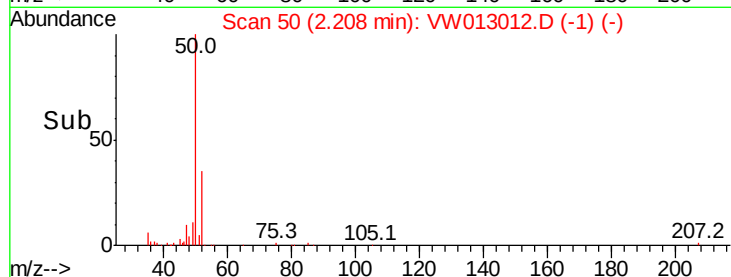
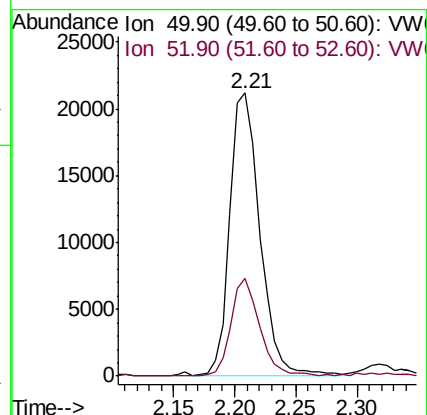
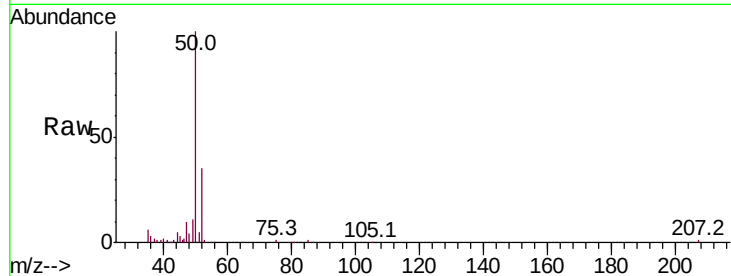
ClientSampleId :

Tot Ion: 50 Resp: 36119

Ion Ratio Lower Upper

50 100

52 34.7 26.6 39.8



#4

Vinyl Chloride

Concen: 20.268 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013012.D

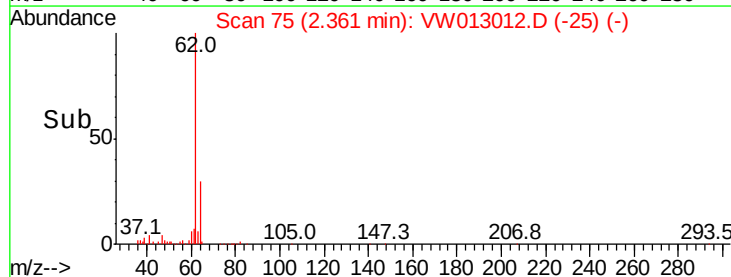
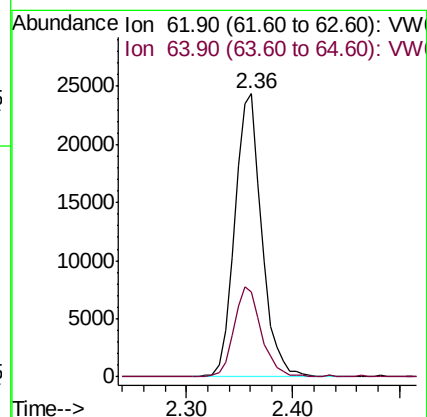
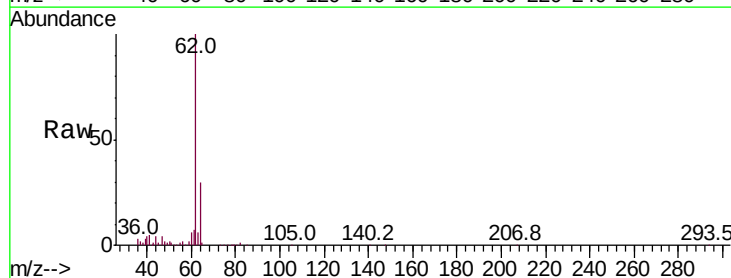
Acq: 15 Sep 2019 00:59

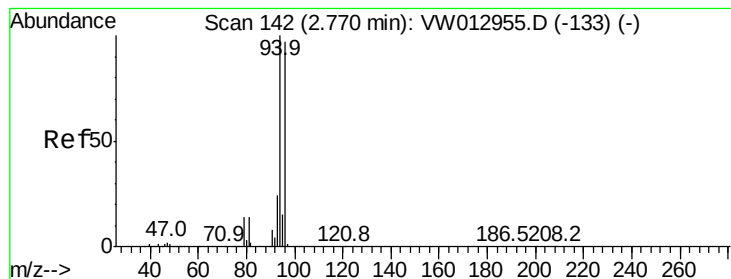
Tgt Ion: 62 Resp: 43303

Ion Ratio Lower Upper

62 100

64 30.1 24.2 36.4





#5

Bromomethane

Concen: 20.042 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

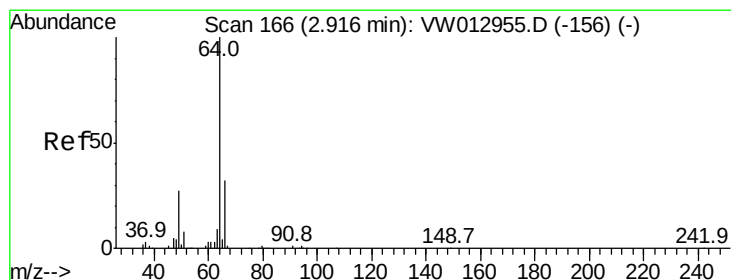
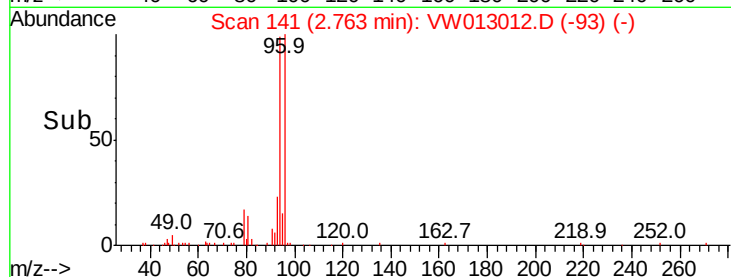
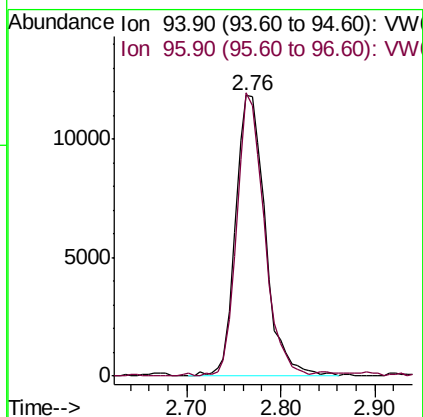
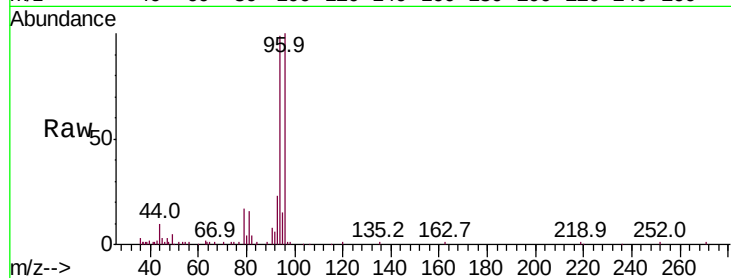
ClientSampled :

Tot Ion: 94 Resp: 26150

Ion Ratio Lower Upper

94 100

96 100.0 77.8 116.6



#6

Chloroethane

Concen: 20.405 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013012.D

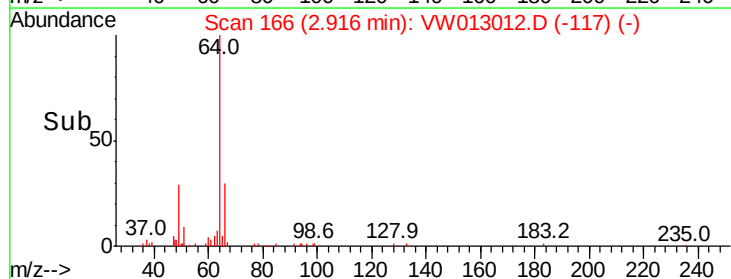
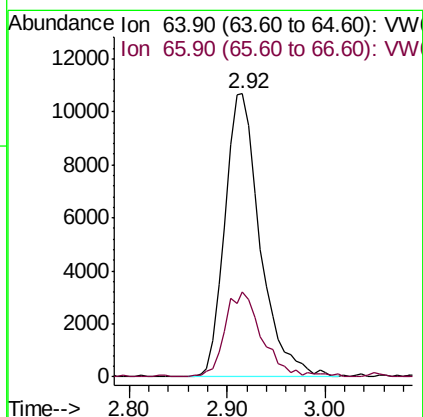
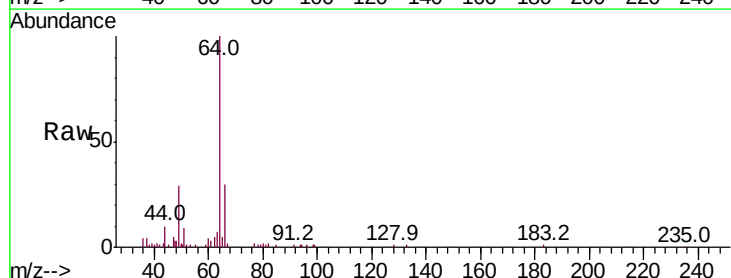
Acq: 15 Sep 2019 00:59

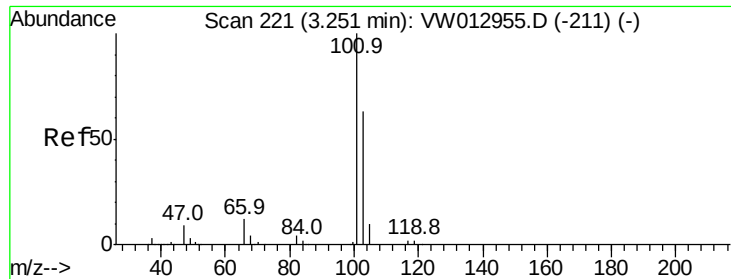
Tgt Ion: 64 Resp: 26738

Ion Ratio Lower Upper

64 100

66 29.9 25.9 38.9



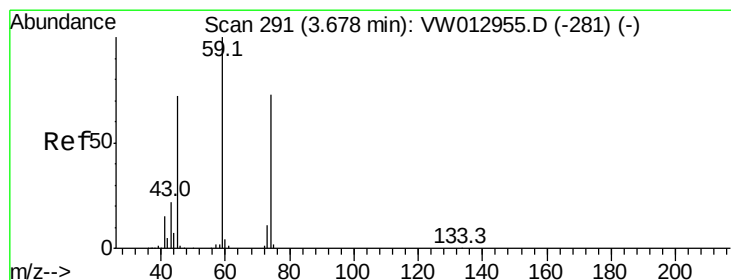
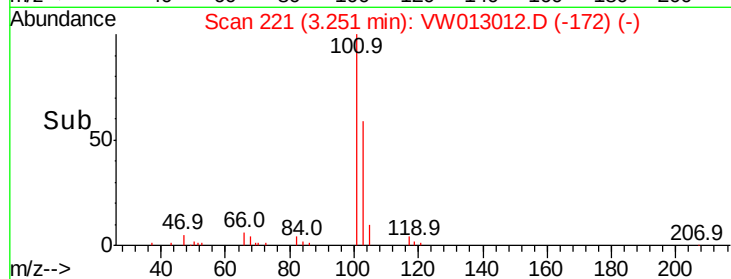
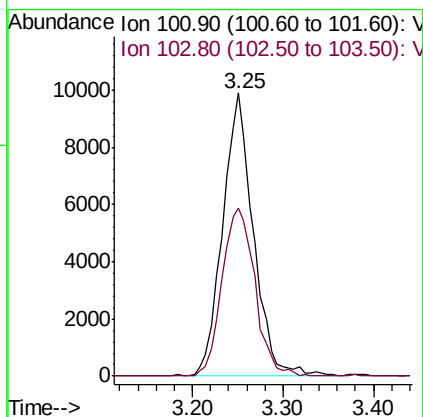
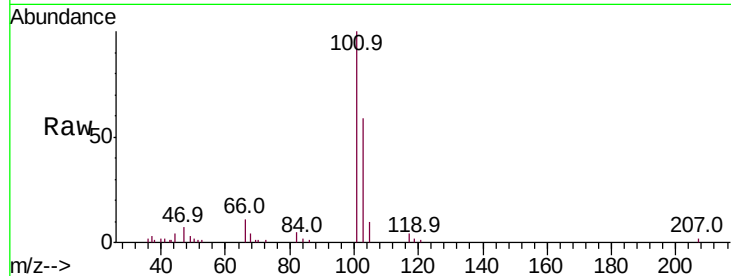


#7

Trichlorofluoromethane
Concen: 15.569 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampled :

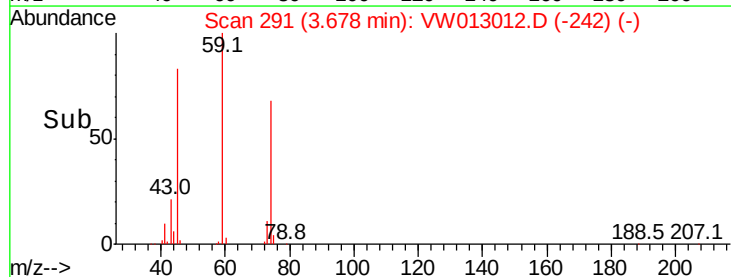
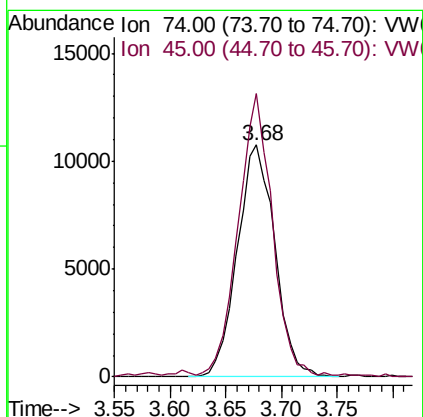
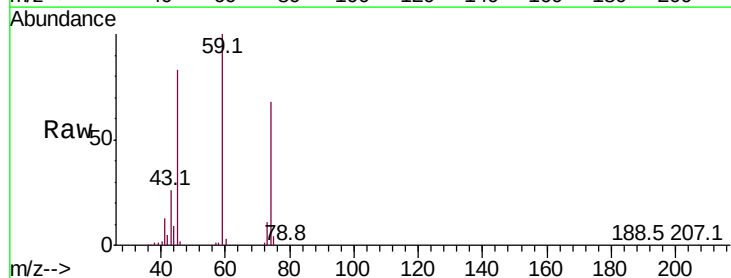
Tot Ion:101 Resp: 23262
Ion Ratio Lower Upper
101 100
103 59.4 50.7 76.1

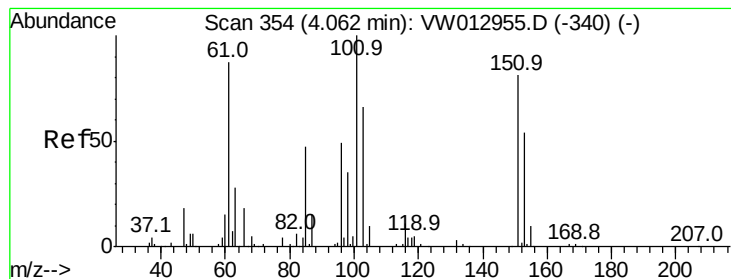


#8

Diethyl Ether
Concen: 21.534 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion: 74 Resp: 25122
Ion Ratio Lower Upper
74 100
45 109.7 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.548 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

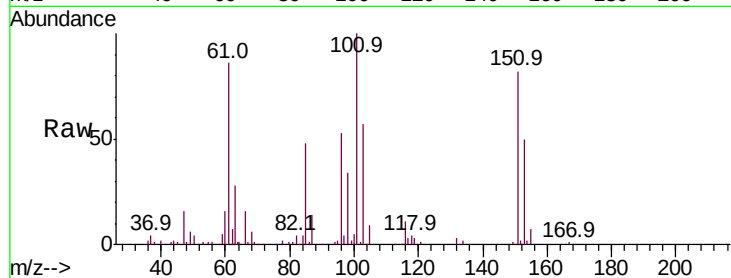
Tot Ion:101 Resp: 44298

Ion Ratio Lower Upper

101 100

85 44.0 34.9 52.3

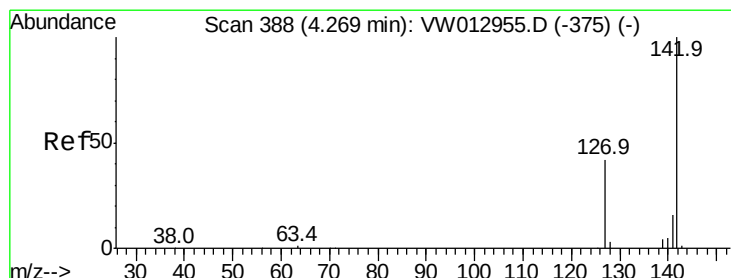
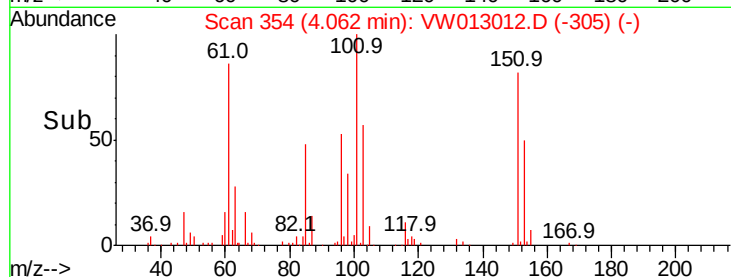
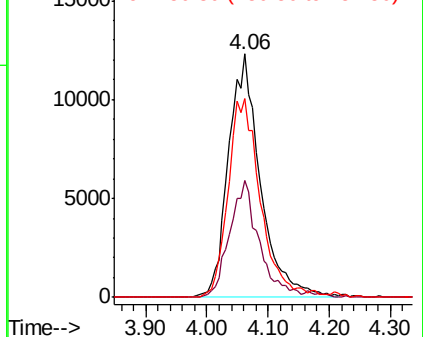
151 82.8 66.0 99.0



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: 22.331 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

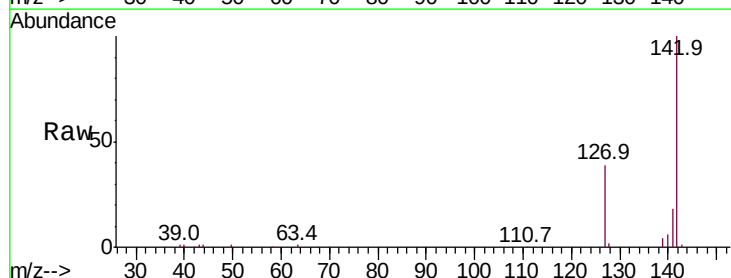
Tgt Ion:142 Resp: 63330

Ion Ratio Lower Upper

142 100

127 42.7 34.7 52.1

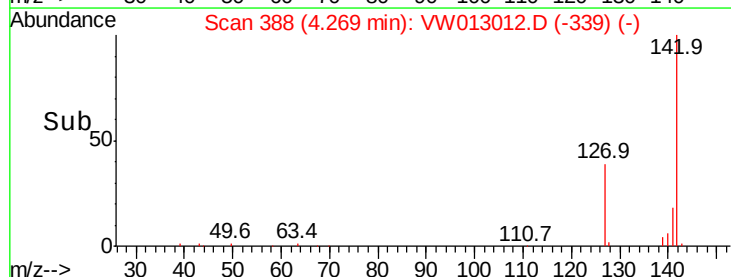
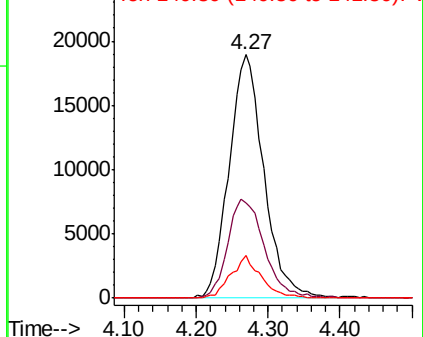
141 15.2 12.2 18.2

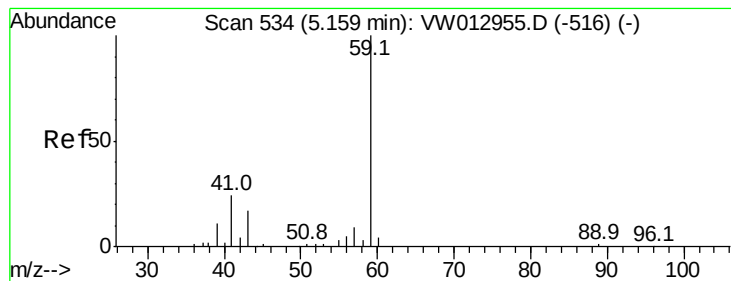


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 93.825 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

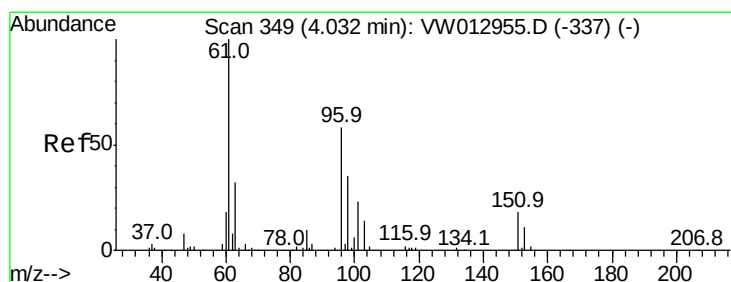
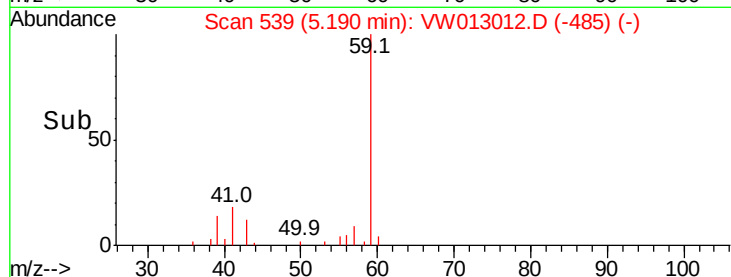
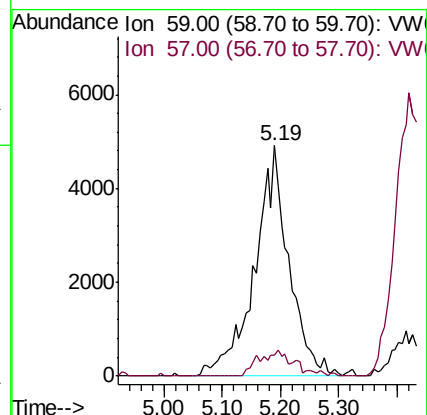
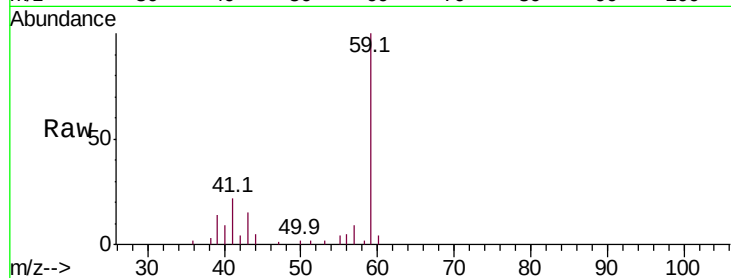
ClientSampleId :

Tot Ion: 59 Resp: 19951

Ion Ratio Lower Upper

59 100

57 2.5 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 20.365 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

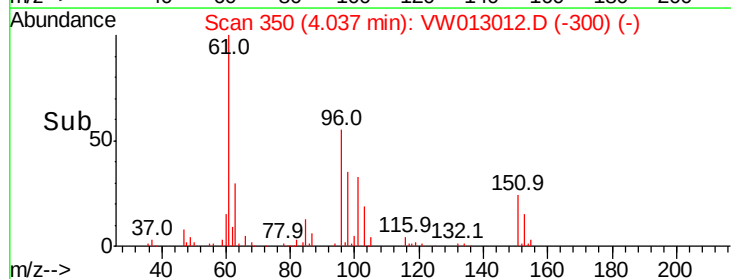
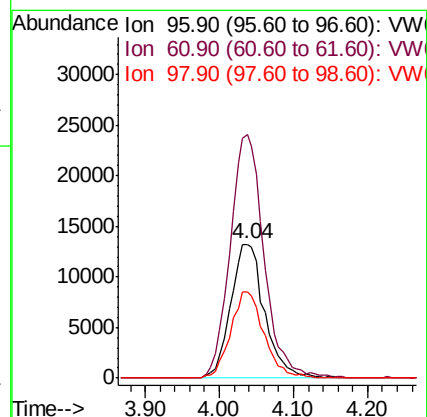
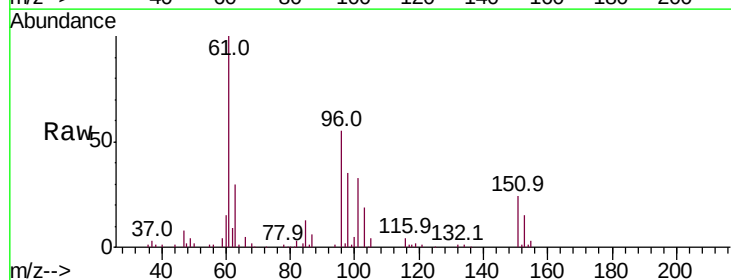
Tgt Ion: 96 Resp: 41960

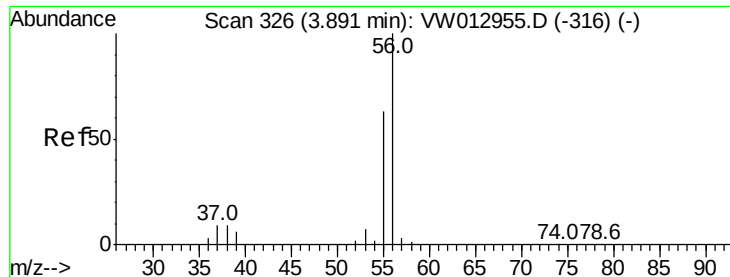
Ion Ratio Lower Upper

96 100

61 182.0 137.9 206.9

98 64.2 48.9 73.3

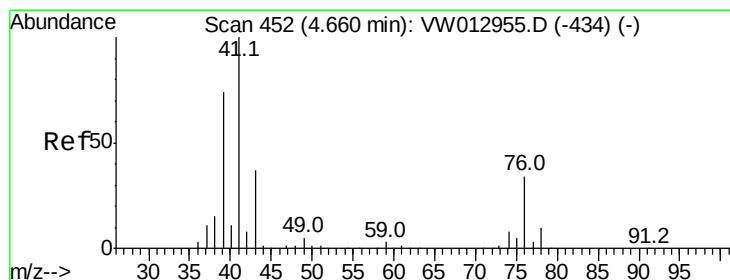
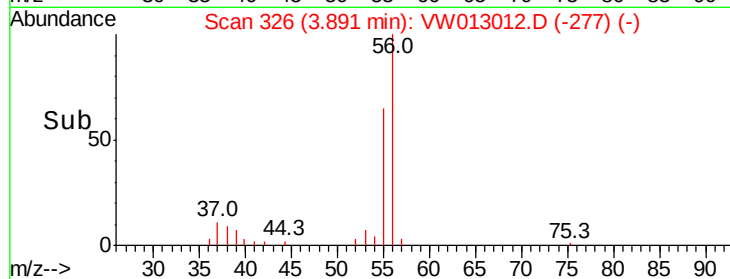
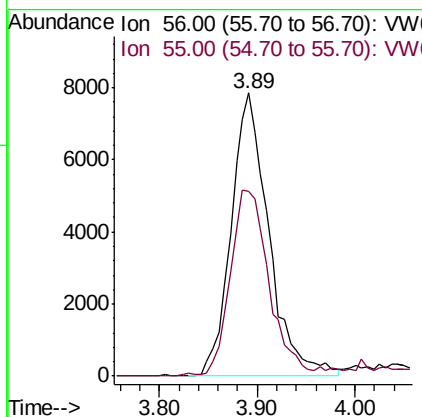
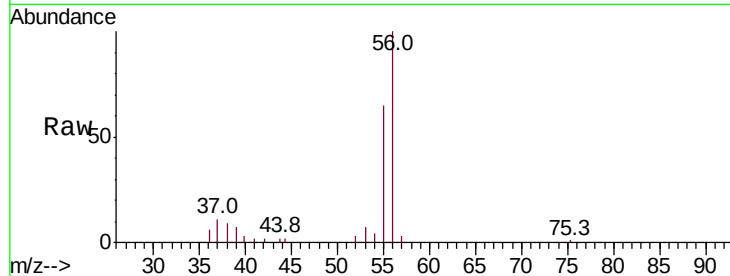




#13
 Acrolein
 Concen: 98.598 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

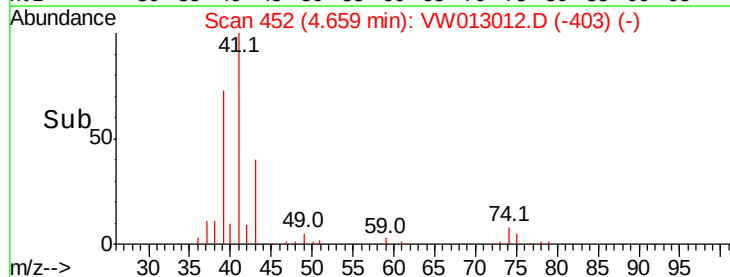
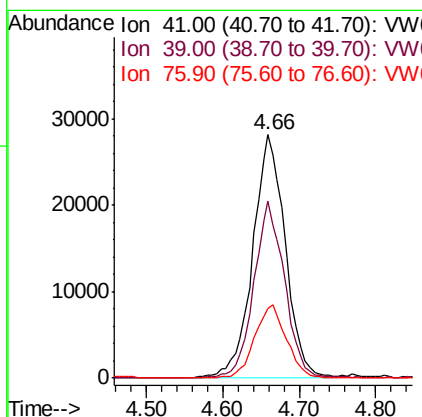
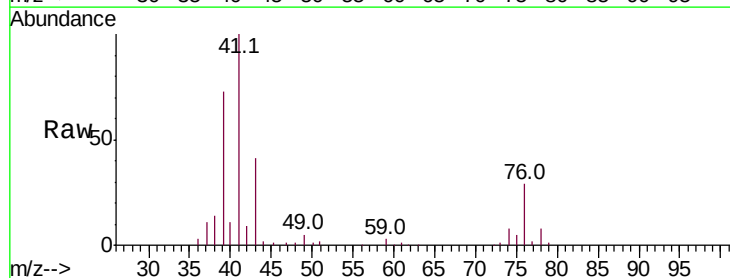
Instrument :
 MSVOA_W
 ClientSampleId :

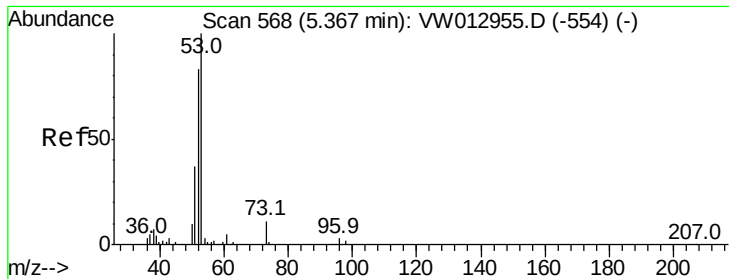
Tot Ion: 56 Resp: 20901
 Ion Ratio Lower Upper
 56 100
 55 65.6 55.8 83.8



#14
 Allyl chloride
 Concen: 21.367 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion: 41 Resp: 83578
 Ion Ratio Lower Upper
 41 100
 39 68.9 56.7 85.1
 76 29.2 25.1 37.7





#15

Acrylonitrile

Concen: 108.084 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampled :

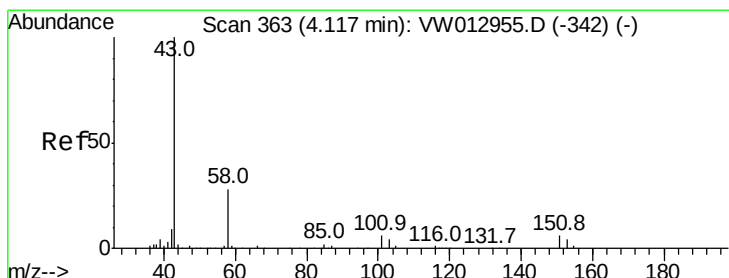
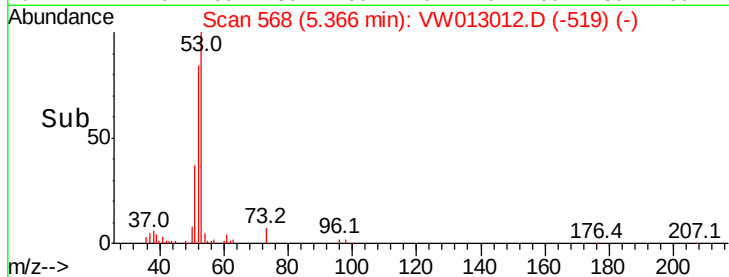
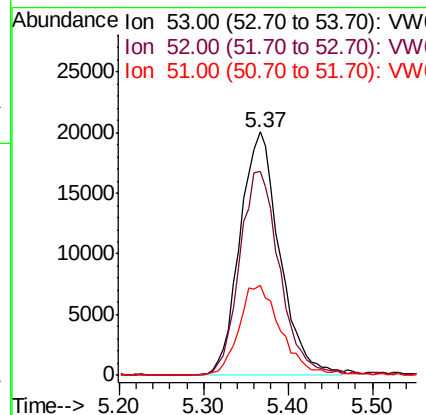
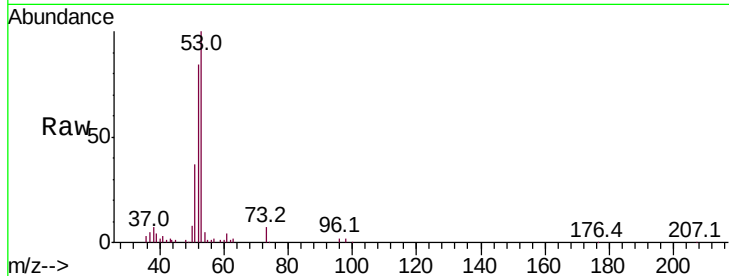
Tot Ion: 53 Resp: 64402

Ion Ratio Lower Upper

53 100

52 84.8 66.6 100.0

51 39.0 29.8 44.8



#16

Acetone

Concen: 75.660 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013012.D

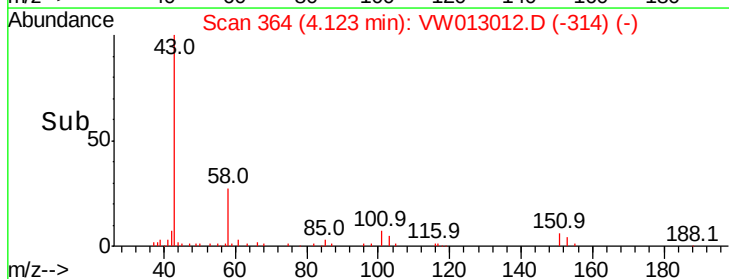
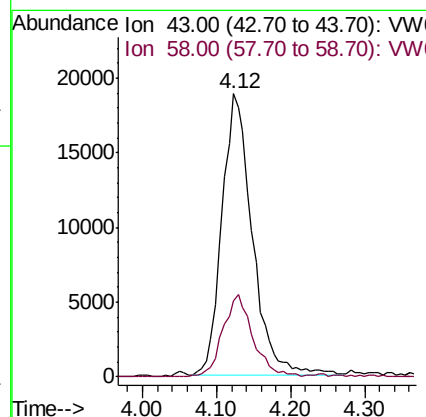
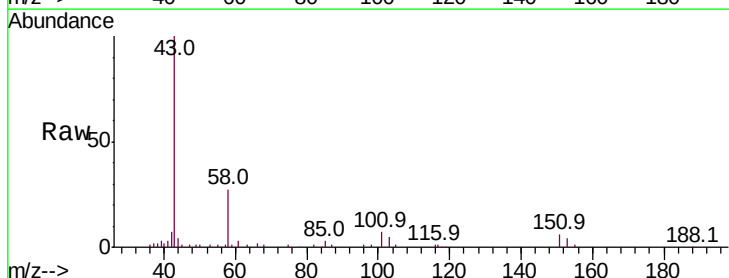
Acq: 15 Sep 2019 00:59

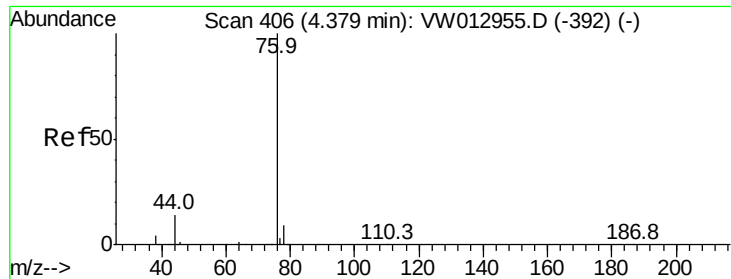
Tgt Ion: 43 Resp: 53415

Ion Ratio Lower Upper

43 100

58 26.4 22.3 33.5

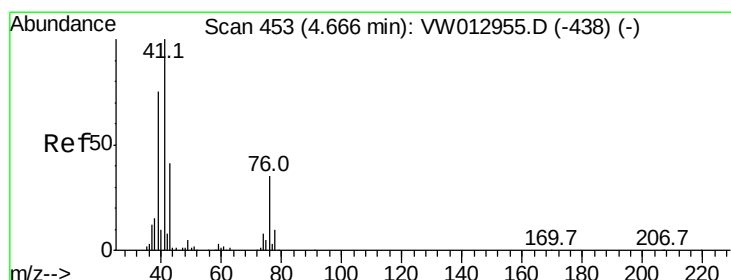
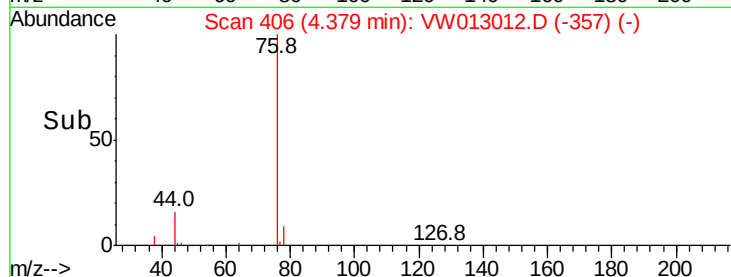
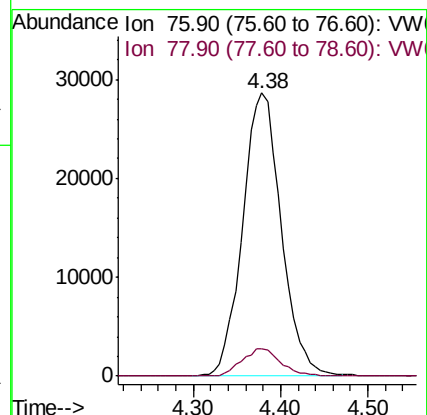
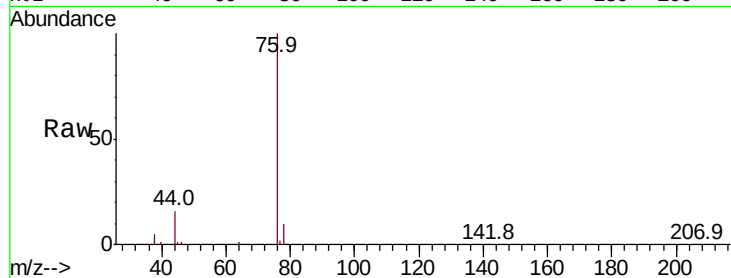




#17
Carbon Disulfide
Concen: 21.351 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

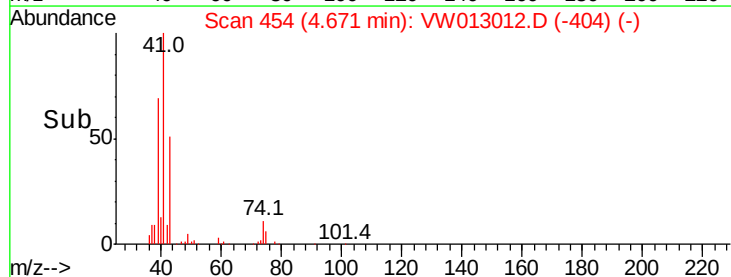
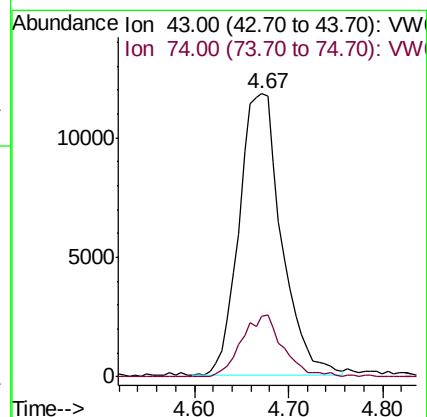
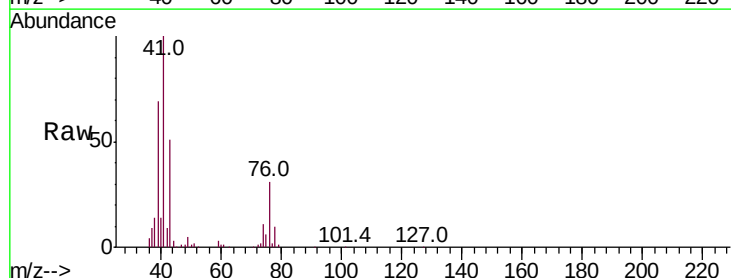
Instrument :
MSVOA_W
ClientSampleId :

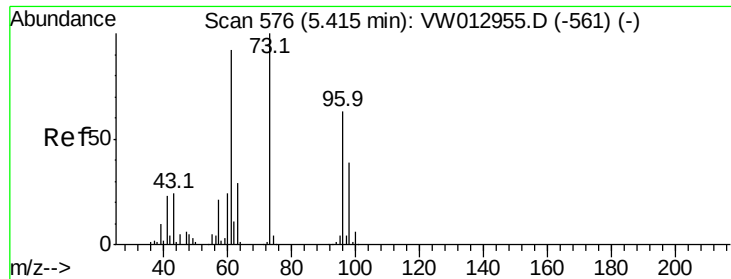
Tot Ion: 76 Resp: 87669
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.4



#18
Methyl Acetate
Concen: 23.670 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion: 43 Resp: 37177
Ion Ratio Lower Upper
43 100
74 21.5 17.8 26.8

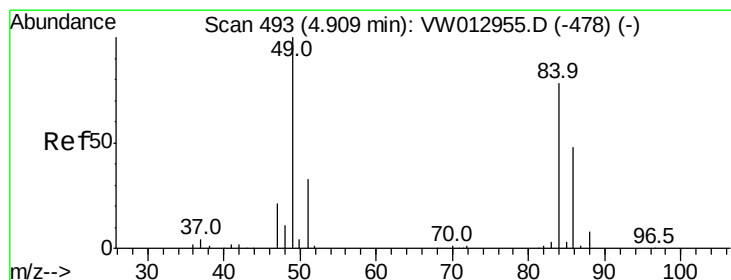
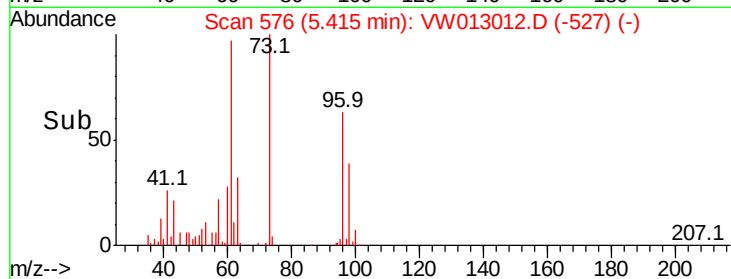
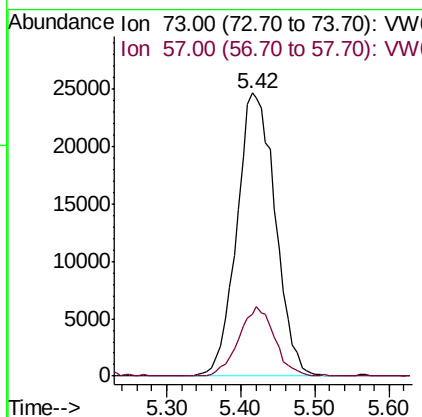
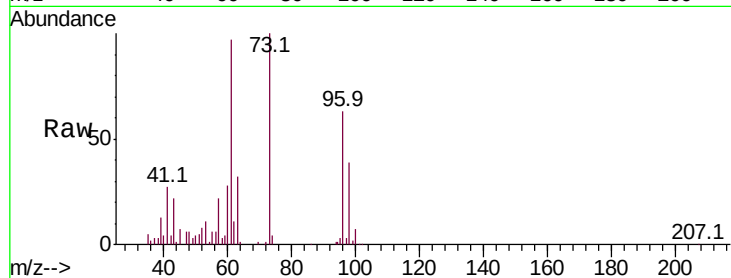




#19
Methyl tert-butyl Ether
Concen: 21.900 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

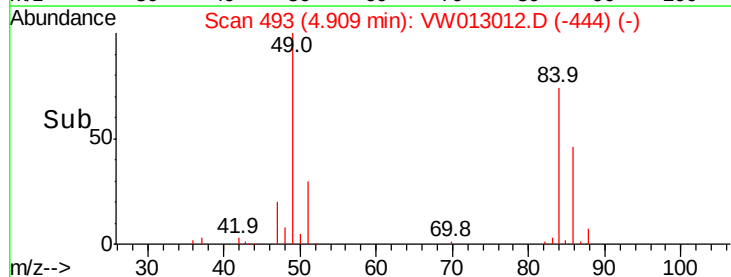
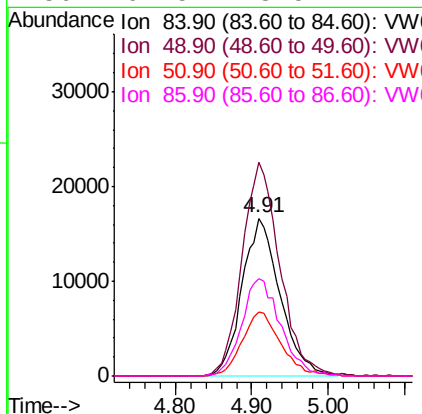
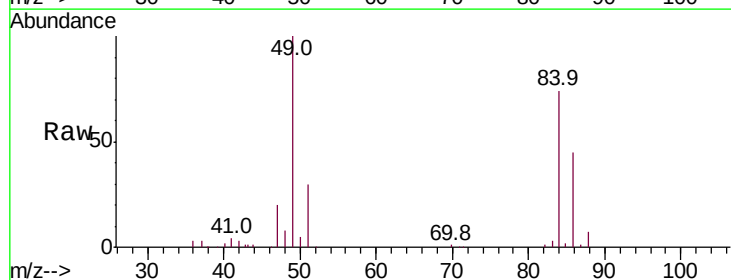
Instrument :
MSVOA_W
ClientSampled :

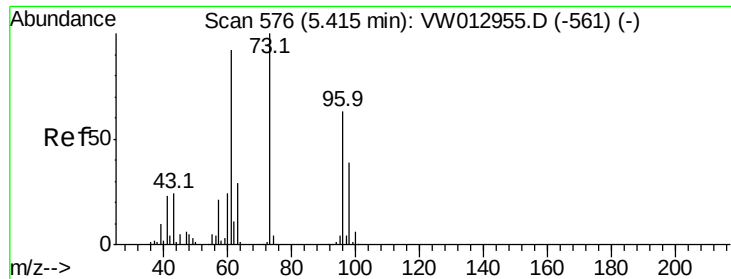
Tot Ion: 73 Resp: 89070
Ion Ratio Lower Upper
73 100
57 21.7 16.4 24.6



#20
Methylene Chloride
Concen: 22.958 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion: 84 Resp: 57380
Ion Ratio Lower Upper
84 100
49 135.4 102.0 153.0
51 40.2 34.0 51.0
86 61.5 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 20.495 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampled :

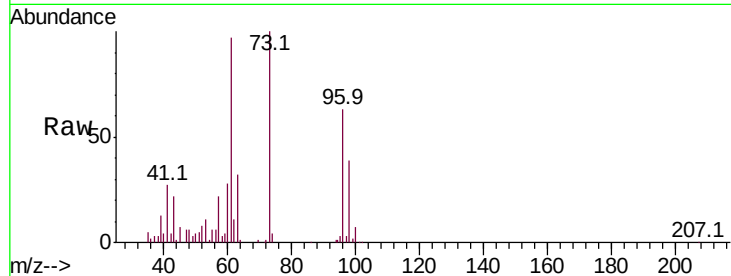
Tot Ion: 96 Resp: 45229

Ion Ratio Lower Upper

96 100

61 155.0 116.2 174.2

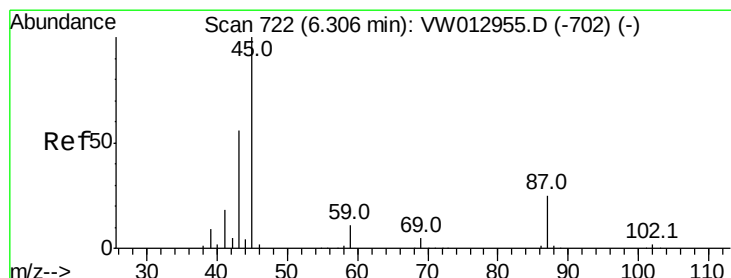
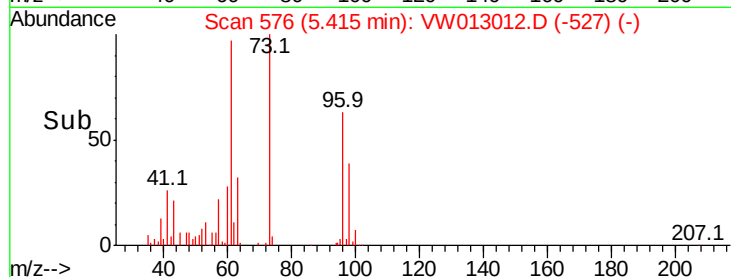
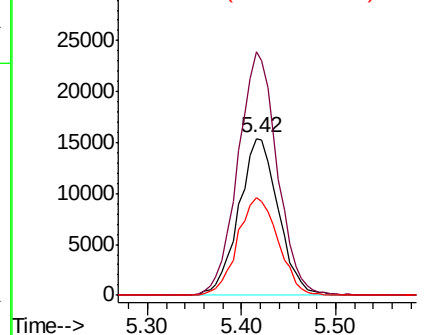
98 62.3 49.8 74.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 22.176 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion: 45 Resp: 180206

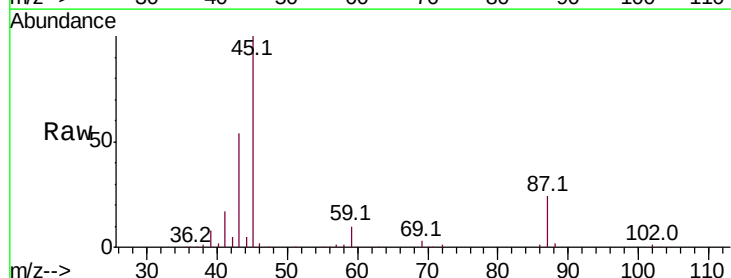
Ion Ratio Lower Upper

45 100

43 54.3 44.6 67.0

87 24.2 20.0 30.0

59 10.1 8.7 13.1

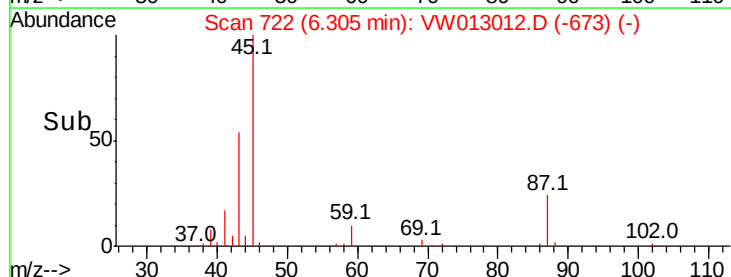
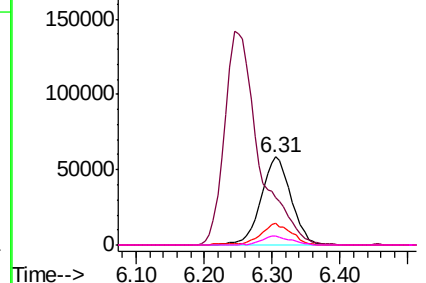


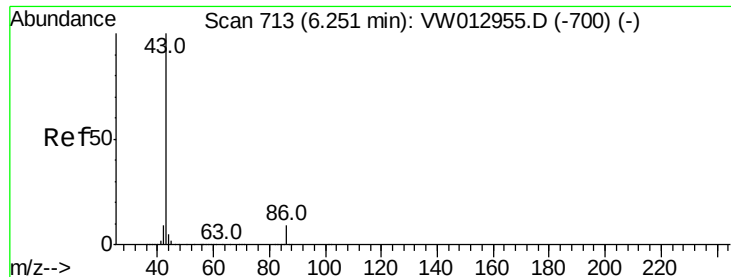
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 101.791 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

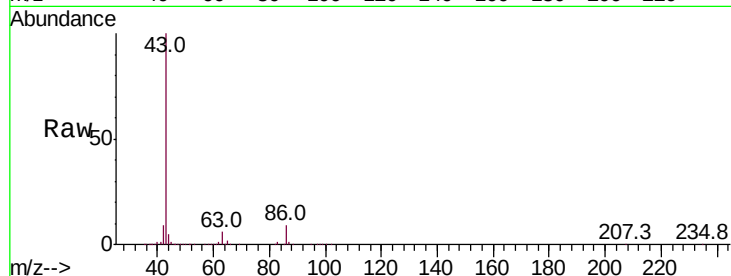
ClientSampleId :

Tot Ion: 43 Resp: 495414

Ion Ratio Lower Upper

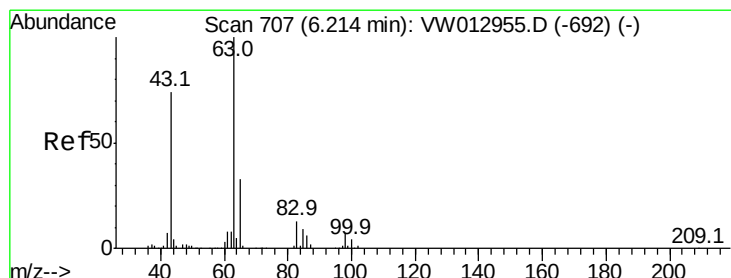
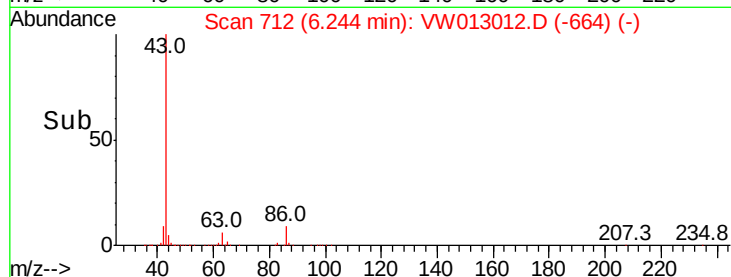
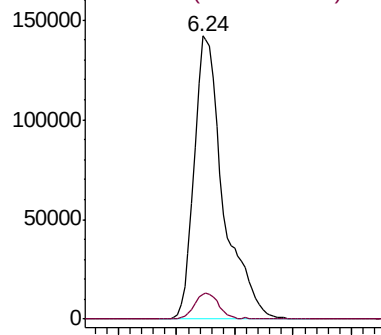
43 100

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: 21.225 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

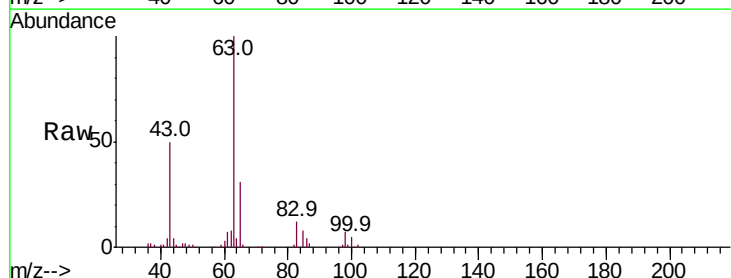
Tgt Ion: 63 Resp: 99443

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.9

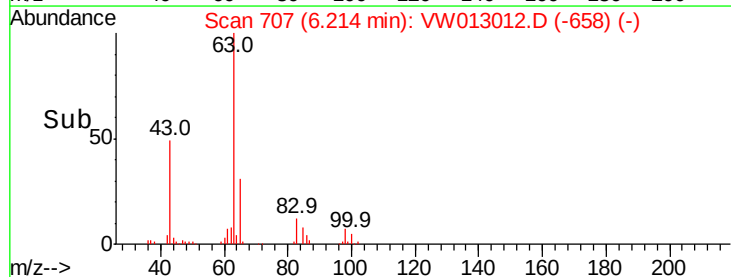
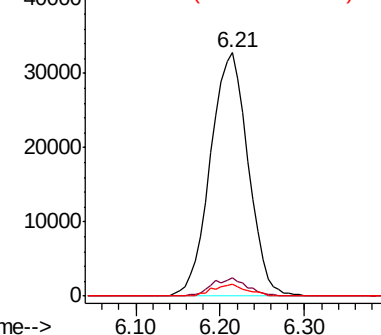
100 4.9 1.8 5.5

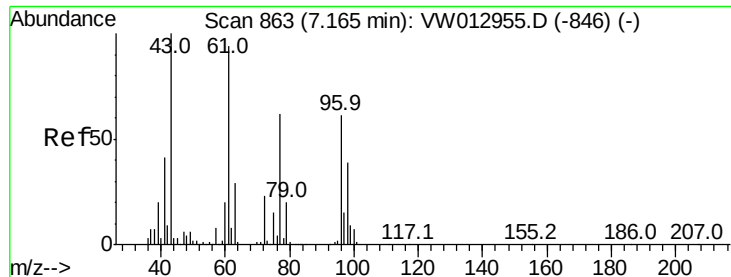


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 98.788 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

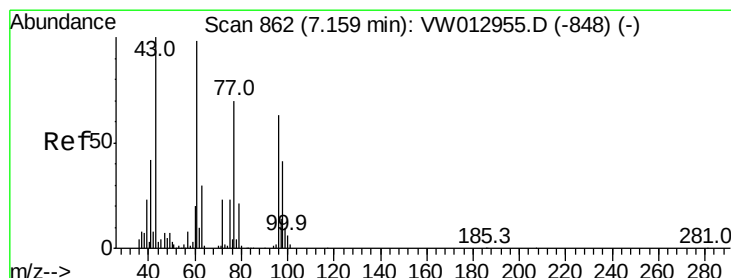
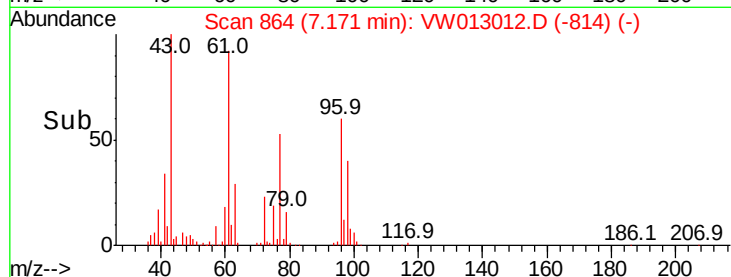
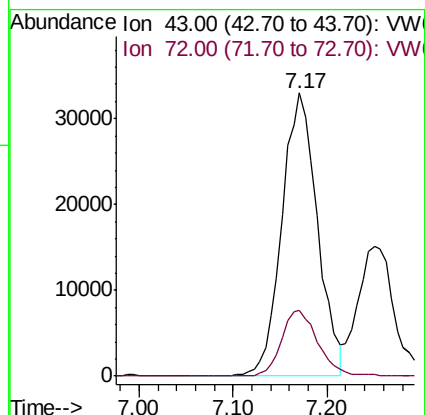
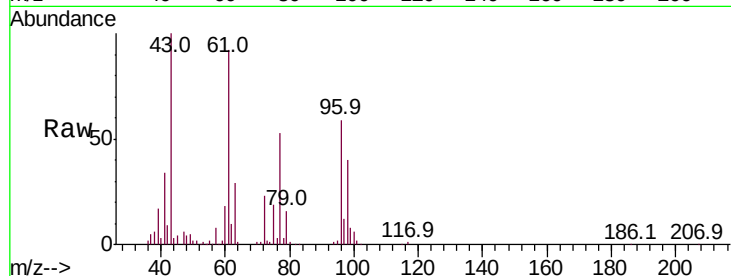
ClientSampled :

Tot Ion: 43 Resp: 86599

Ion Ratio Lower Upper

43 100

72 23.3 18.2 27.4



#26

2,2-Dichloropropane

Concen: 16.019 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013012.D

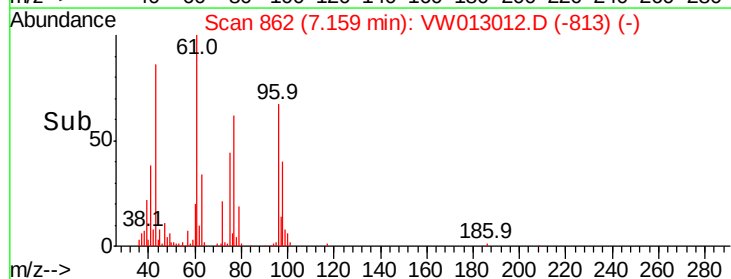
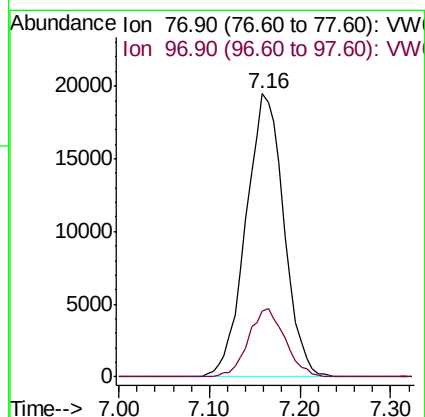
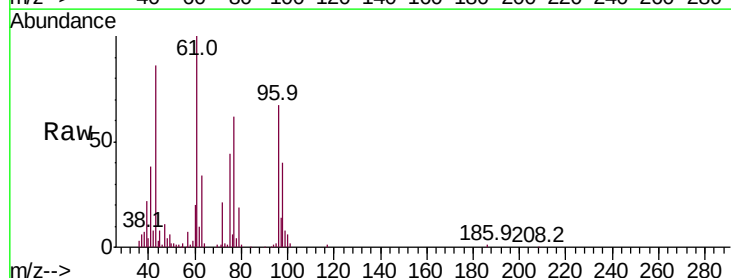
Acq: 15 Sep 2019 00:59

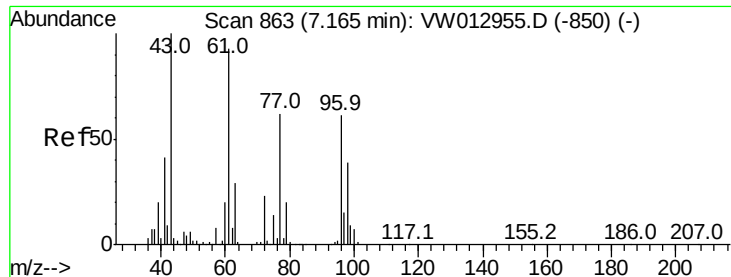
Tgt Ion: 77 Resp: 56392

Ion Ratio Lower Upper

77 100

97 23.2 10.7 32.1



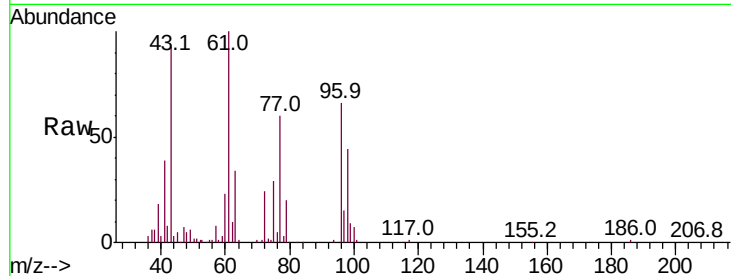


#27

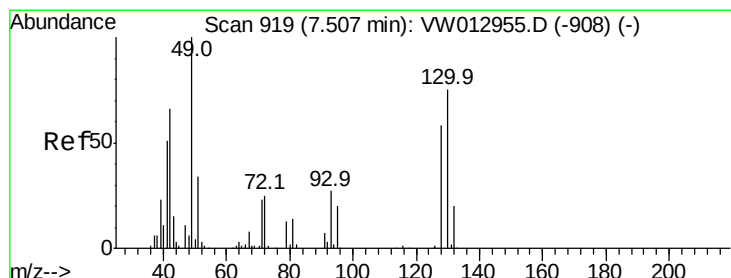
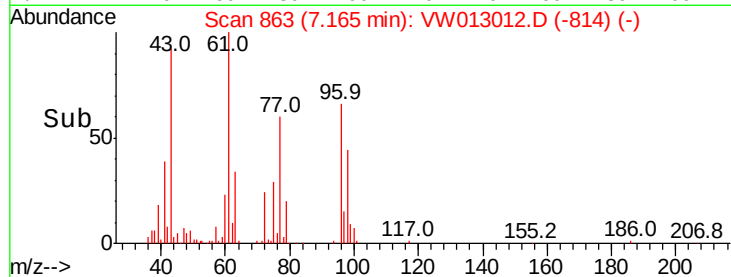
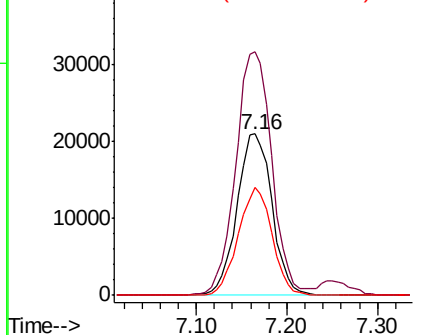
cis-1,2-Dichloroethene
Concen: 21.307 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	315.4
98	64.5	0.0	131.0



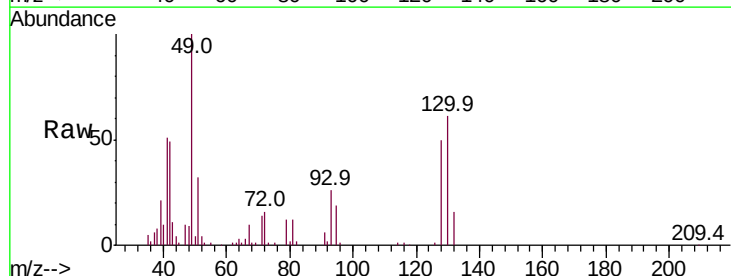
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



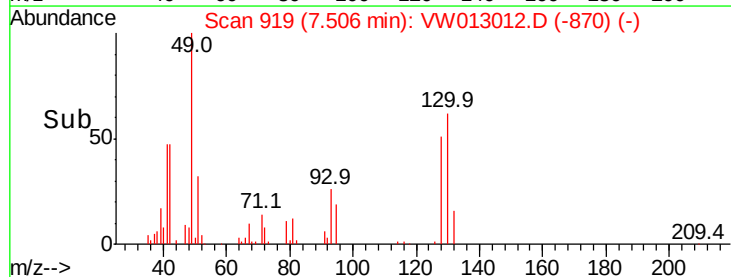
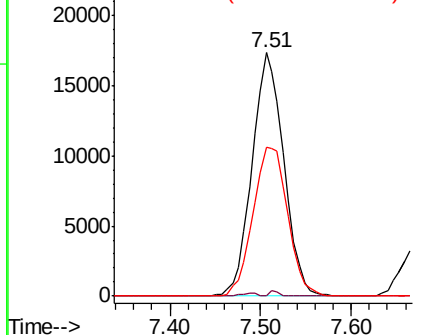
#28

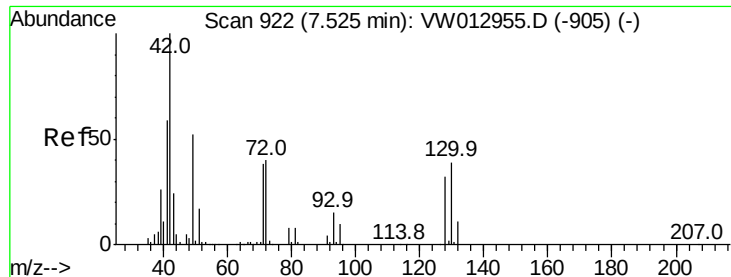
Bromochloromethane
Concen: 21.229 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.4
130	66.9	57.8	86.6



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

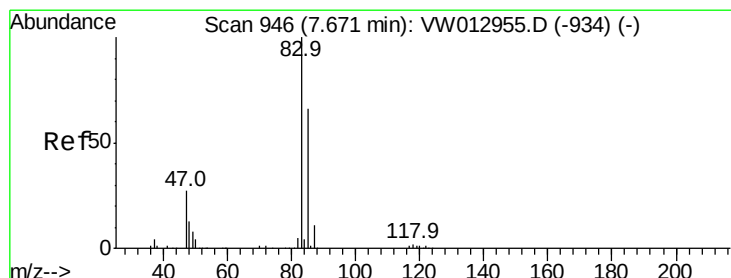
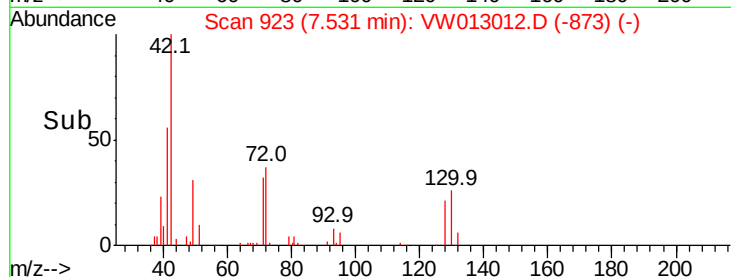
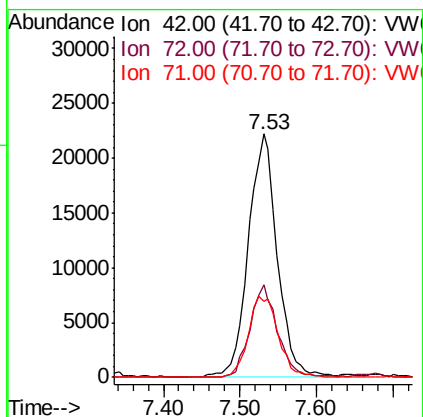
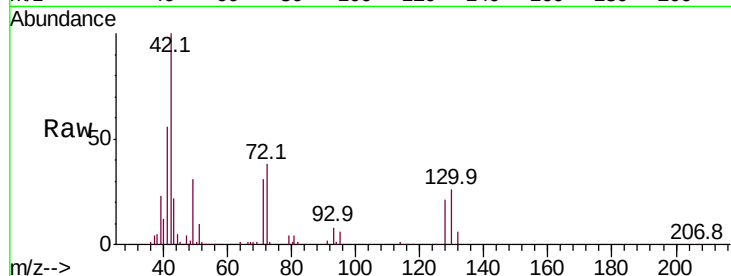




#29
Tetrahydrofuran
Concen: 117.294 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

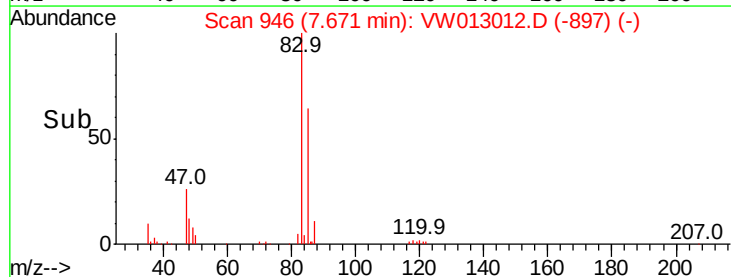
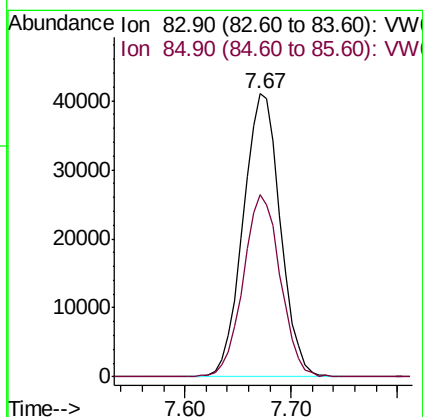
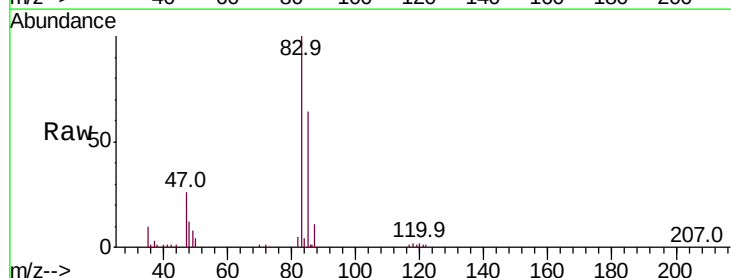
Instrument :
MSVOA_W
ClientSampleId :

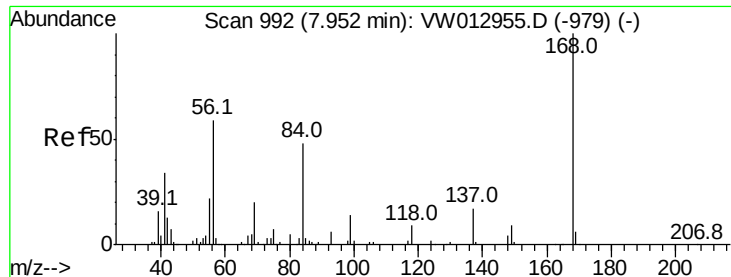
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	31.4	47.0
71	34.4	29.8	44.8



#30
Chloroform
Concen: 21.134 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.8	79.2

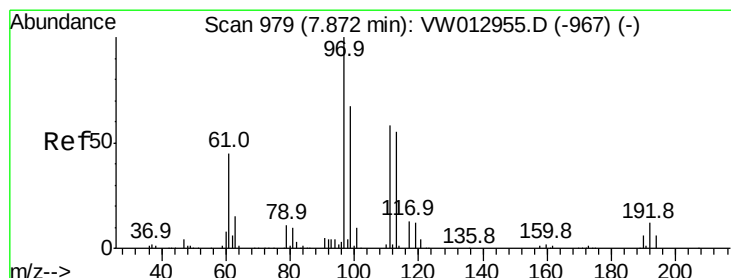
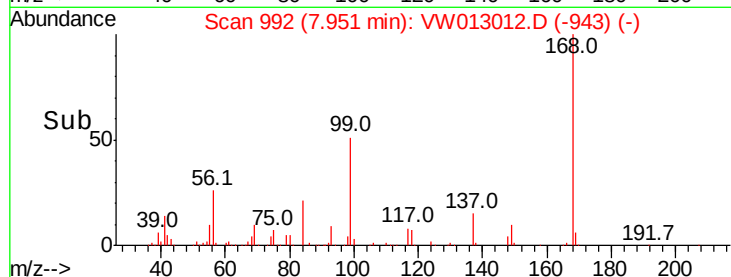
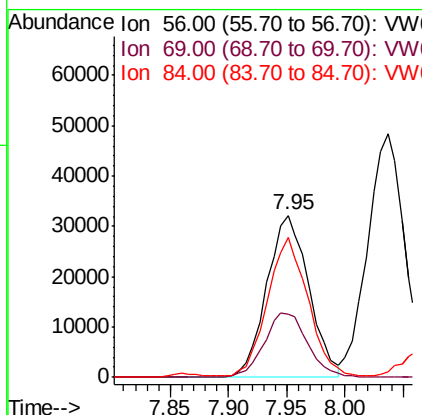
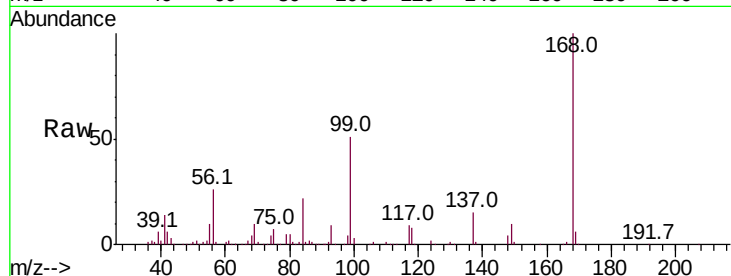




#31
Cyclohexane
Concen: 20.342 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

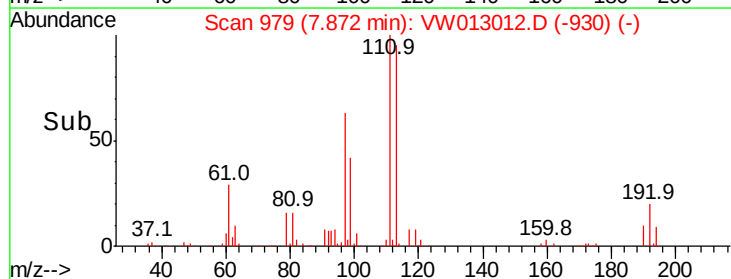
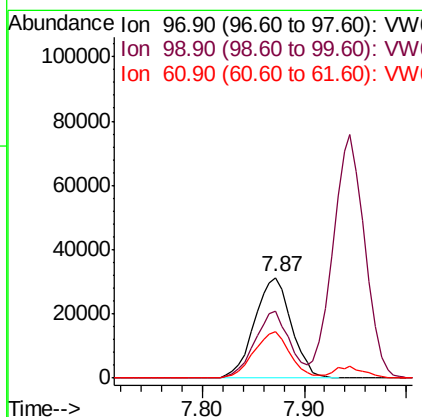
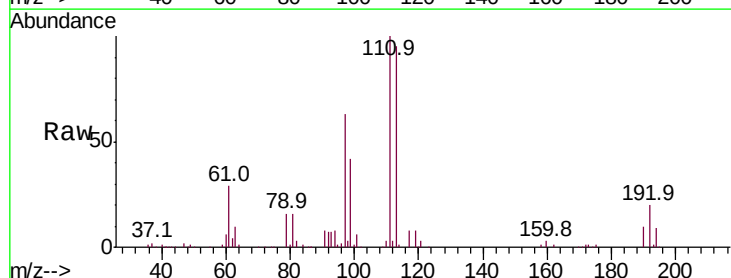
Instrument :
MSVOA_W
ClientSampled :

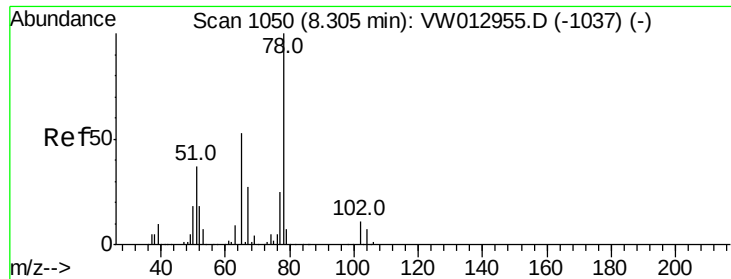
Tot Ion: 56 Resp: 80412
Ion Ratio Lower Upper
56 100
69 39.0 27.0 40.6
84 84.8 66.2 99.2



#32
1,1,1-Trichloroethane
Concen: 20.016 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion: 97 Resp: 78469
Ion Ratio Lower Upper
97 100
99 63.4 53.0 79.4
61 45.1 36.5 54.7

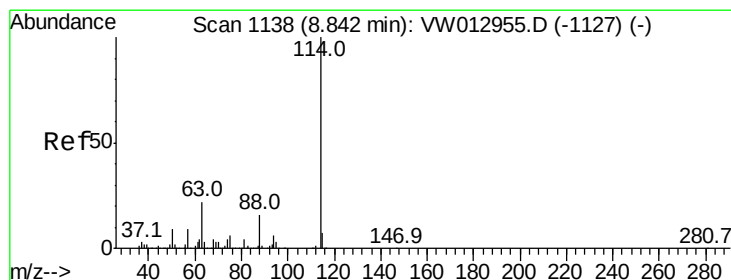
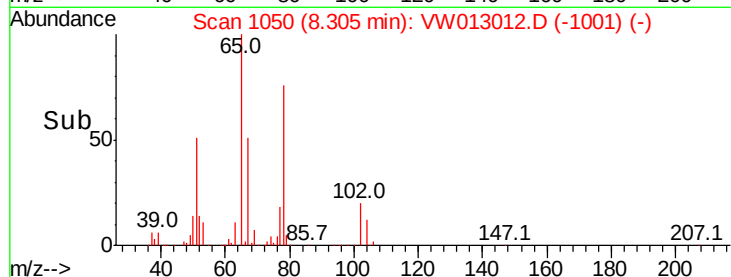
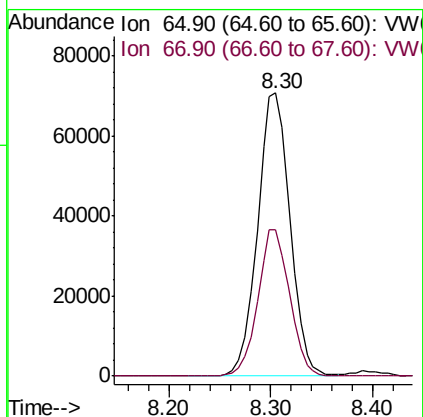
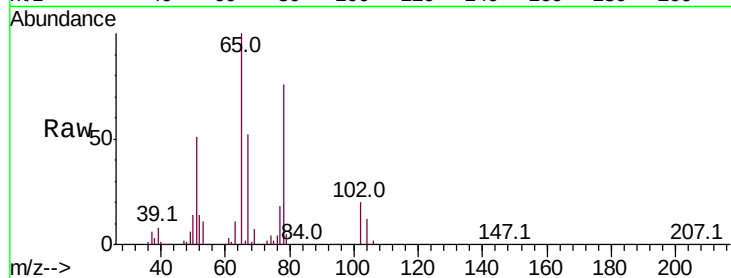




#33
 1,2-Dichloroethane-d4
 Concen: 56.630 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

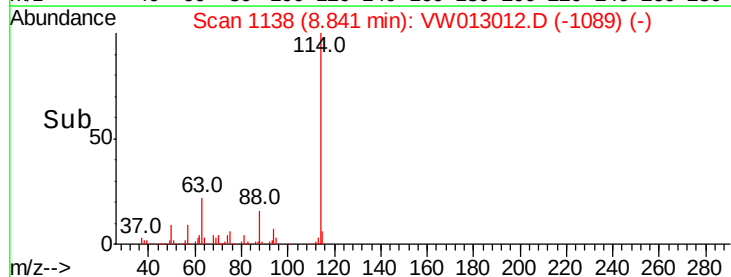
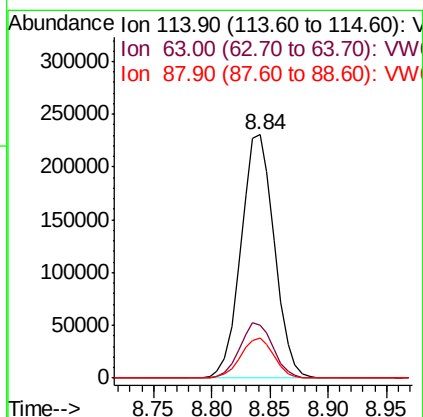
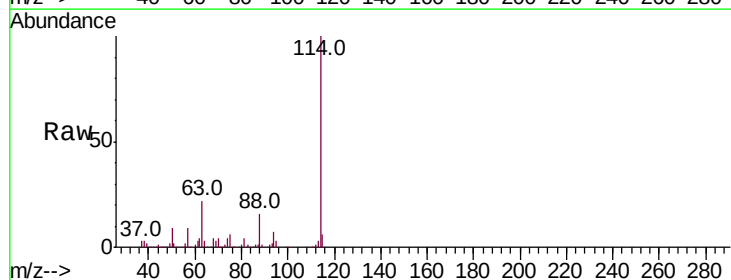
Instrument :
 MSVOA_W
 ClientSampleId :

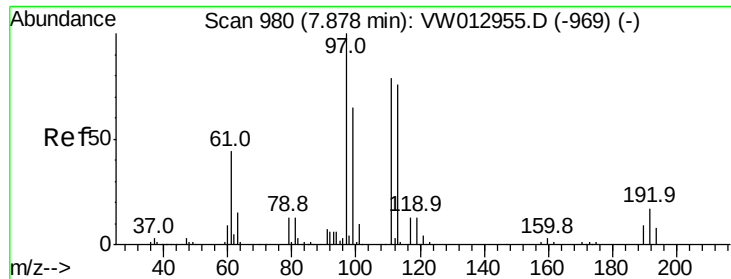
Tot Ion: 65 Resp: 156121
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion: 114 Resp: 461336
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.4
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.616 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :

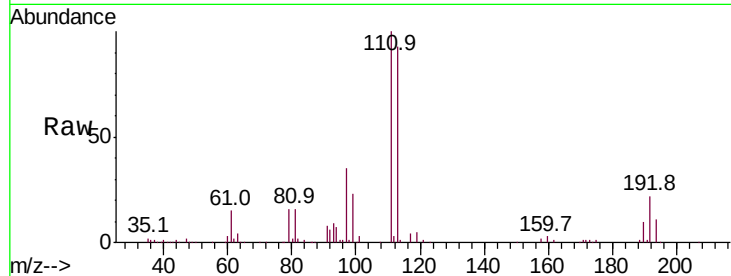
Tot Ion:113 Resp: 129208

Ion Ratio Lower Upper

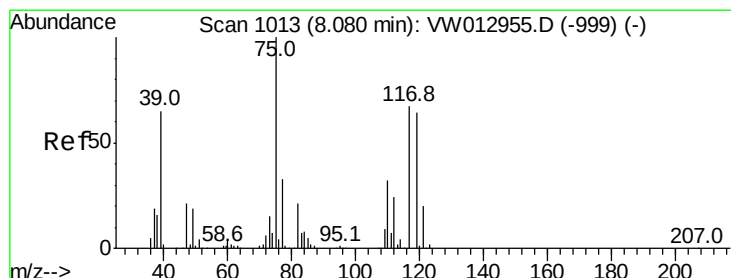
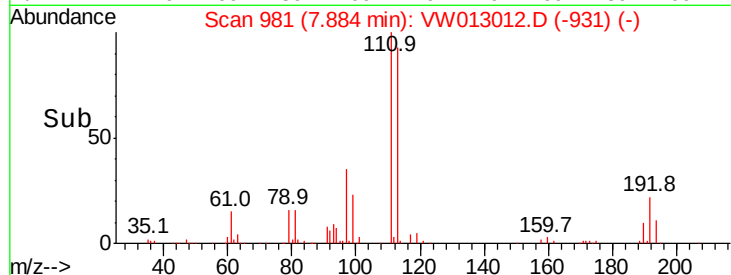
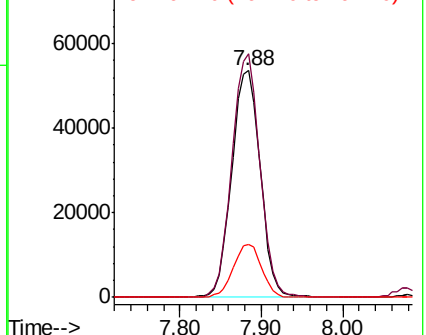
113 100

111 105.5 82.8 124.2

192 23.1 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: 19.189 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

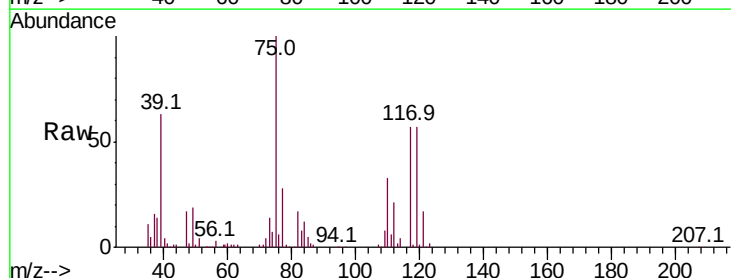
Tgt Ion: 75 Resp: 70740

Ion Ratio Lower Upper

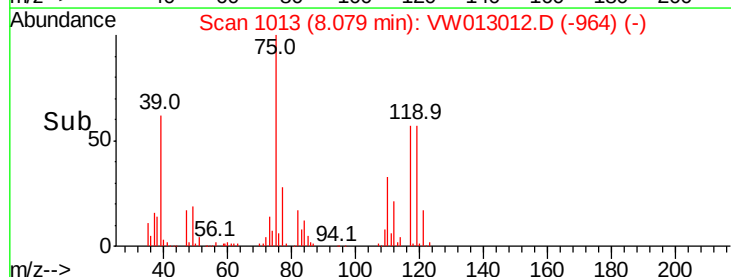
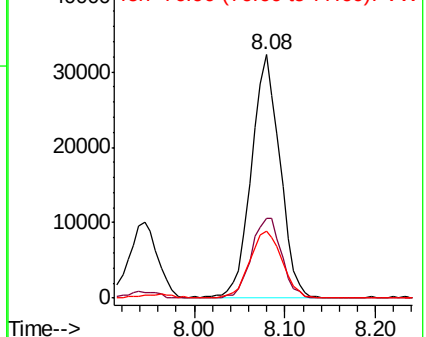
75 100

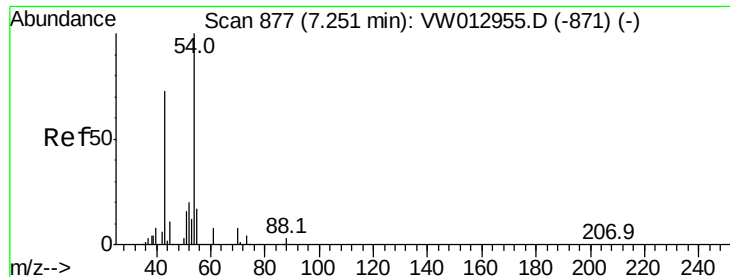
110 34.4 16.4 49.1

77 31.0 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

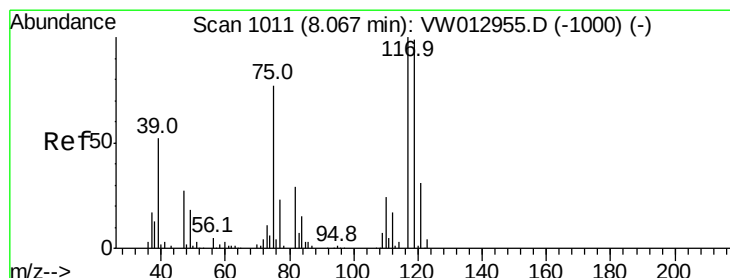
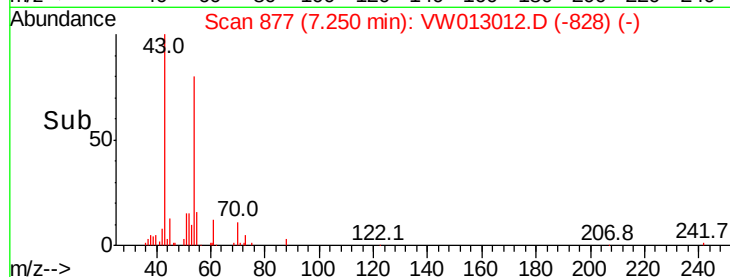
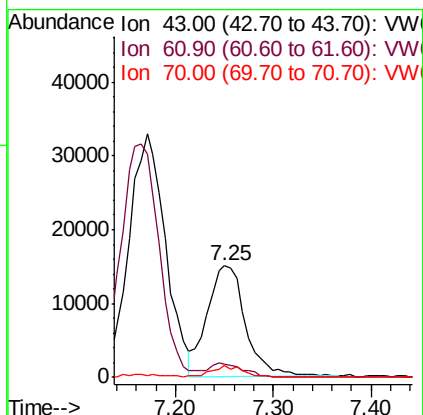
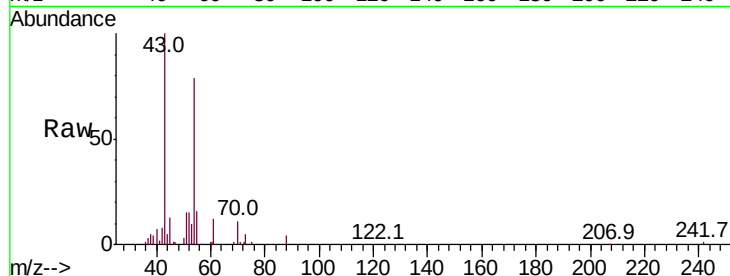




#37
Ethyl Acetate
Concen: 20.902 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

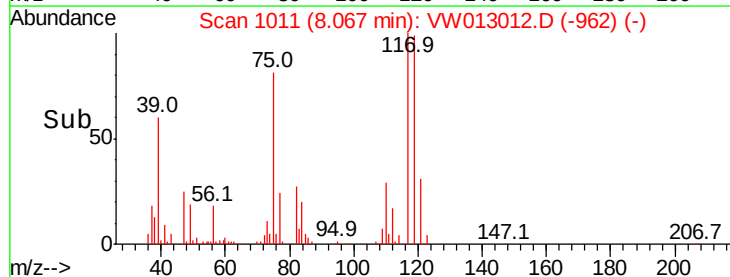
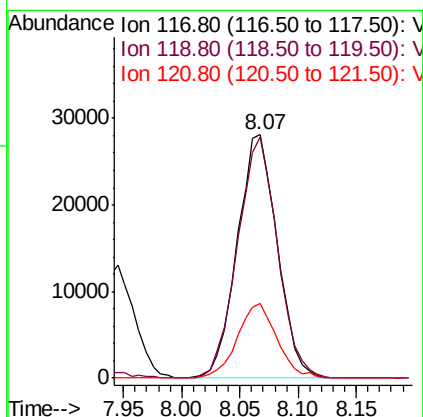
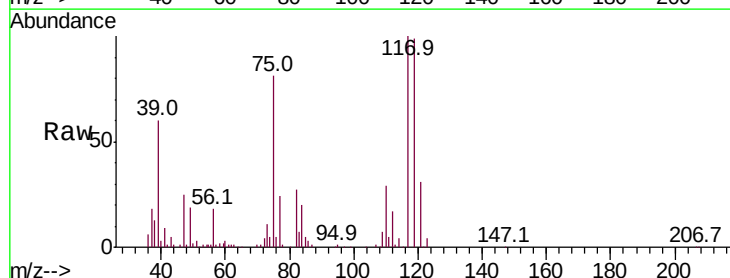
Instrument :
MSVOA_W
ClientSampleId :

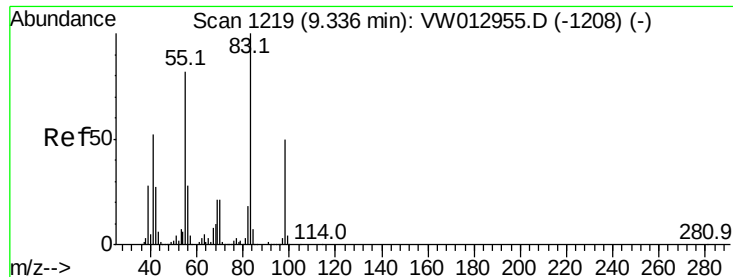
Tot Ion: 43 Resp: 40900
Ion Ratio Lower Upper
43 100
61 12.0 9.6 14.4
70 8.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 17.820 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion: 117 Resp: 67321
Ion Ratio Lower Upper
117 100
119 98.7 79.4 119.0
121 30.9 24.6 36.8

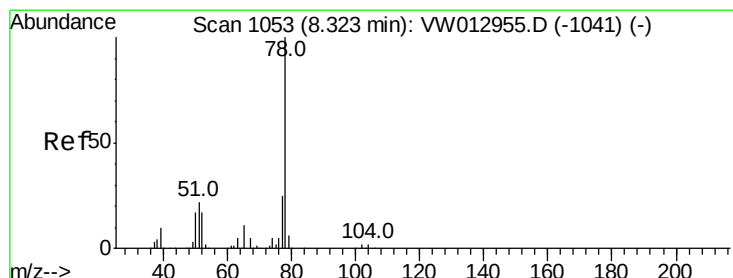
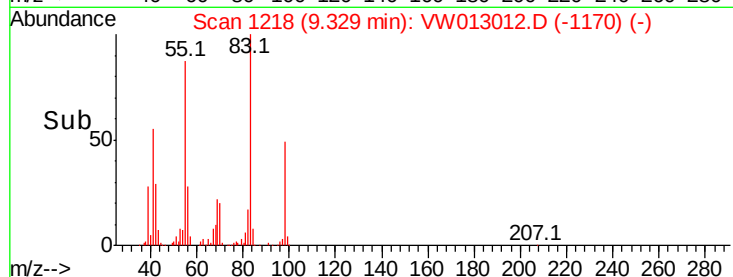
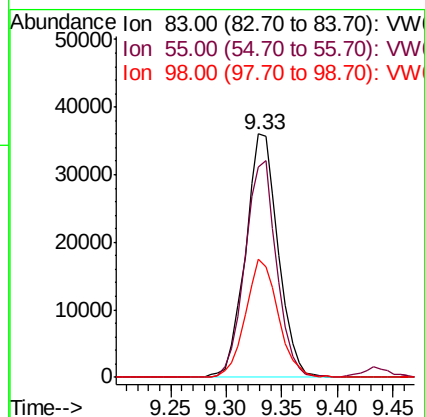
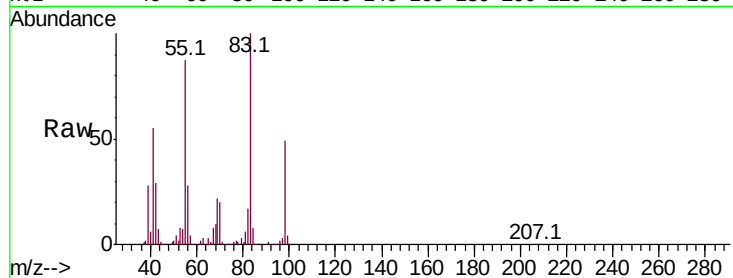




#39
Methylvlcyclohexane
Concen: 18.176 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

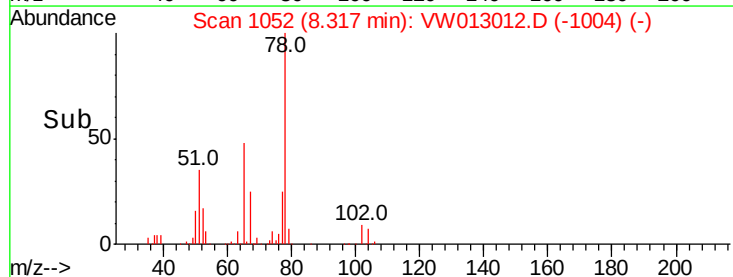
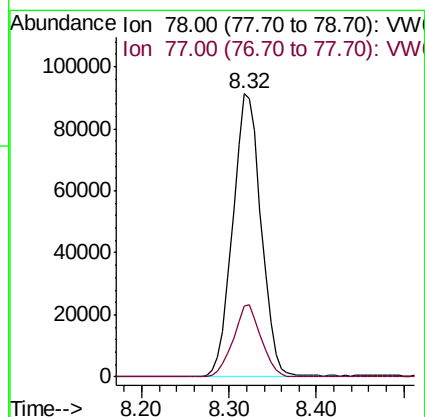
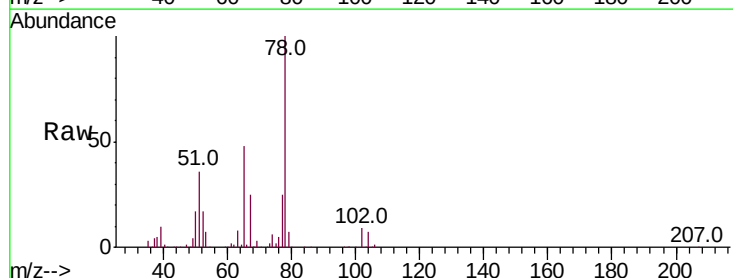
Instrument :
MSVOA_W
ClientSampleId :

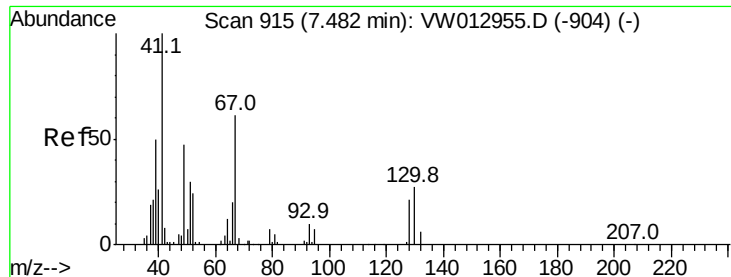
Tot Ion	83	Resp	73423
Ion Ratio	100	Lower	Upper
55	86.5	65.9	98.9
98	48.7	39.6	59.4



#40
Benzene
Concen: 20.094 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion	78	Resp	206792
Ion Ratio	100	Lower	Upper
77	25.0	19.6	29.4





#41

Methacrylonitrile

Concen: 18.544 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 23896

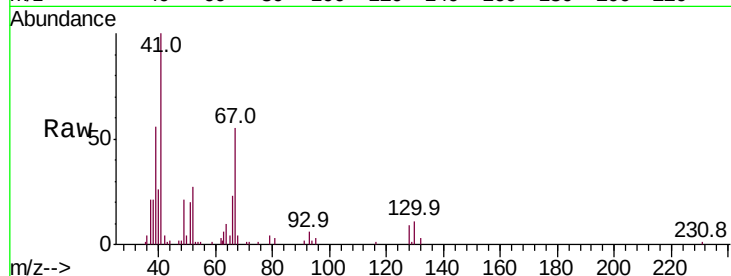
Ion Ratio Lower Upper

41 100

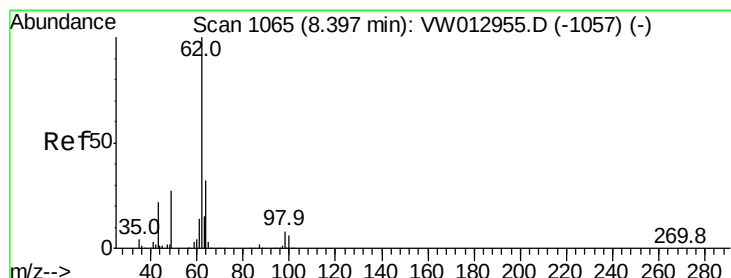
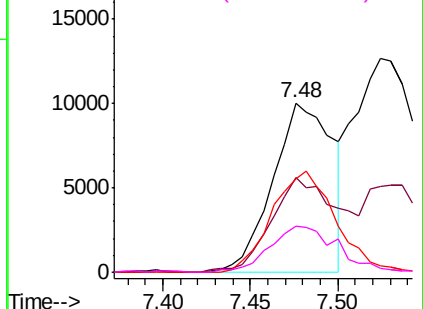
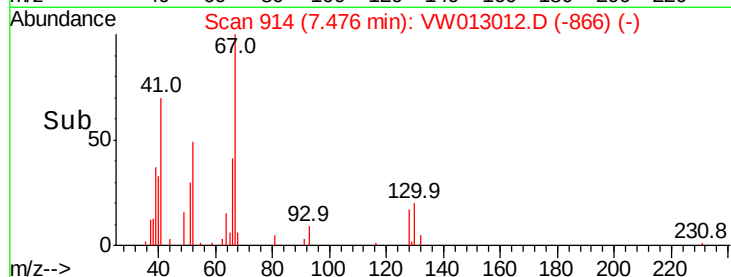
39 65.7 48.2 72.4

67 64.3 47.5 71.3

52 30.6 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: 19.527 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013012.D

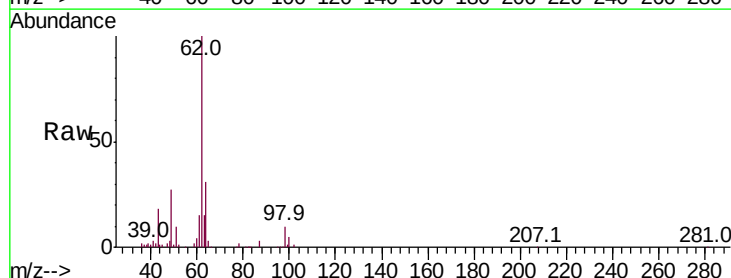
Acq: 15 Sep 2019 00:59

Tgt Ion: 62 Resp: 67367

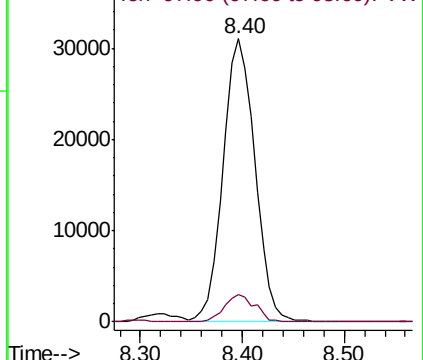
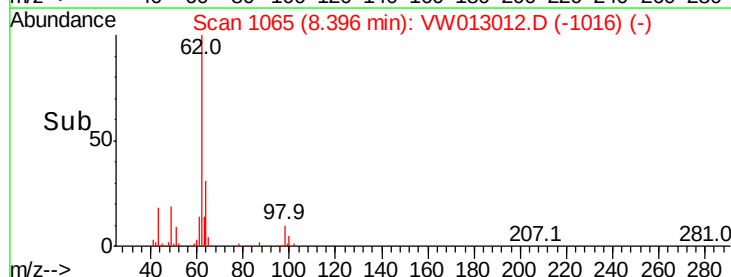
Ion Ratio Lower Upper

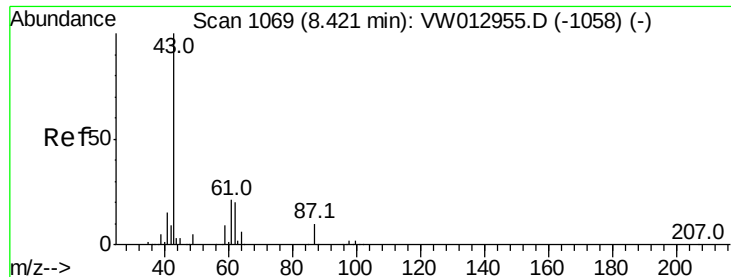
62 100

98 9.3 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: 18.813 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampled :

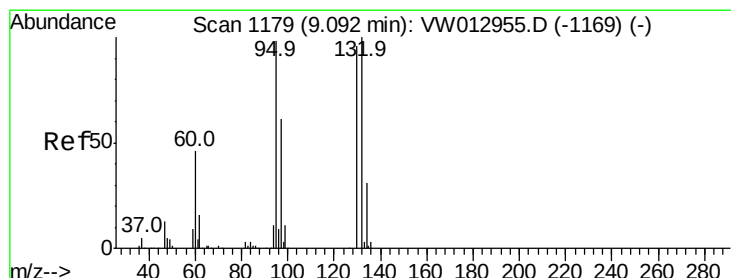
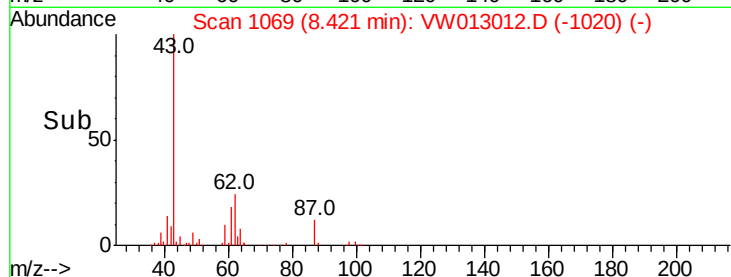
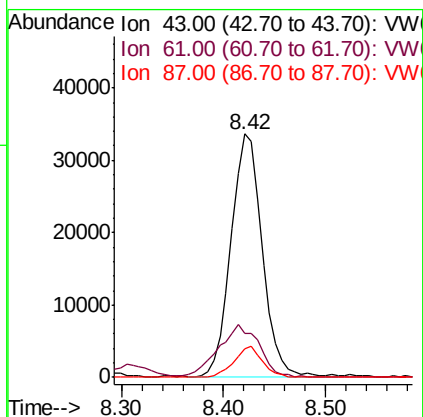
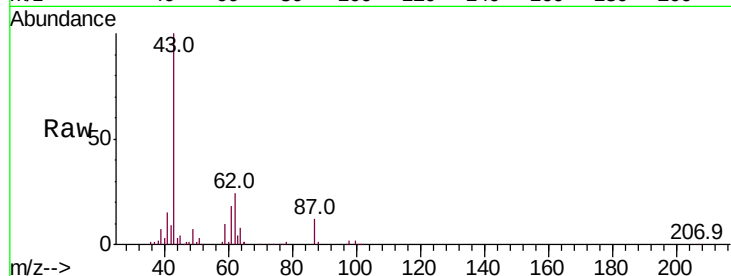
Tot Ion: 43 Resp: 70681

Ion Ratio Lower Upper

43 100

61 28.8 22.7 34.1

87 11.9 9.4 14.2



#44

Trichloroethene

Concen: 19.914 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013012.D

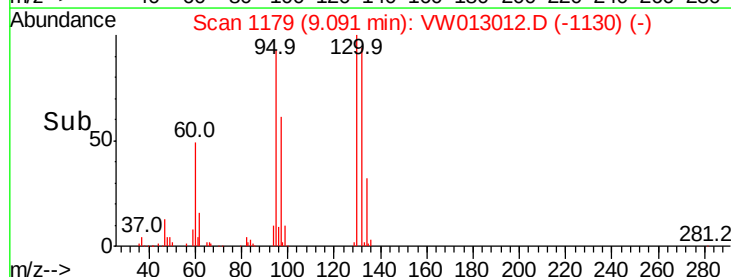
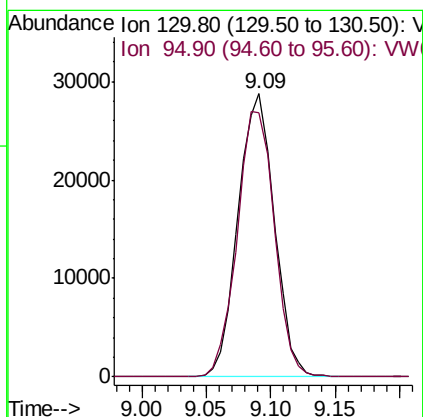
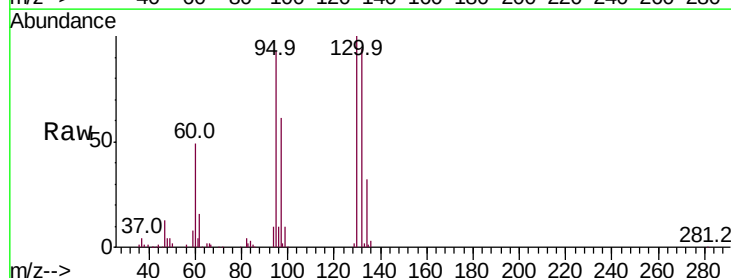
Acq: 15 Sep 2019 00:59

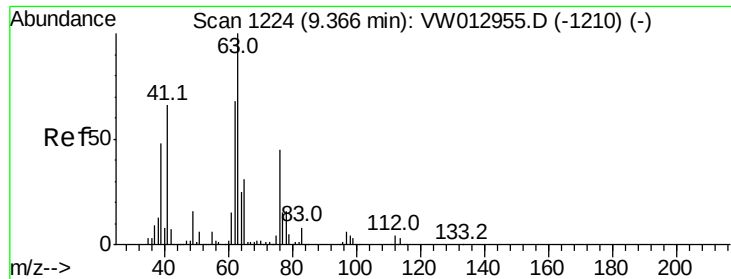
Tgt Ion:130 Resp: 56136

Ion Ratio Lower Upper

130 100

95 93.3 0.0 204.4





#45

1,2-Dichloropropane

Concen: 19.683 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

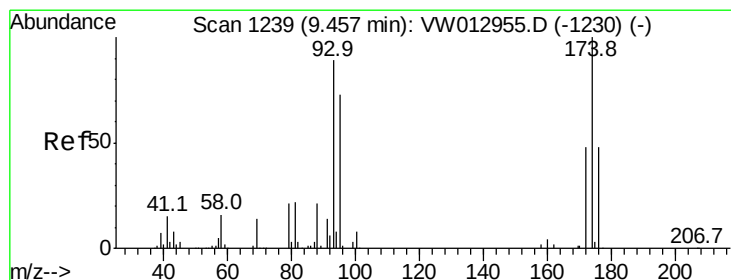
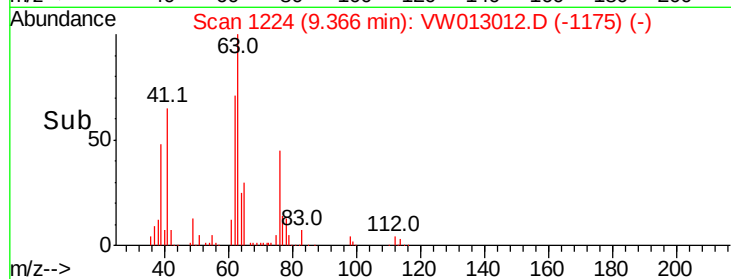
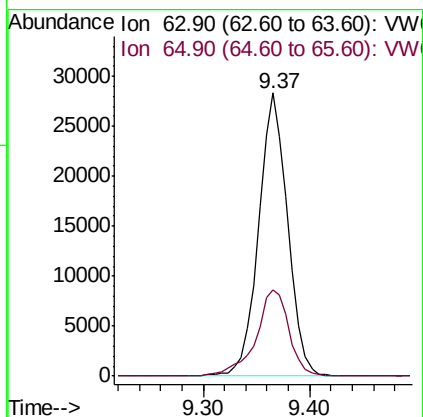
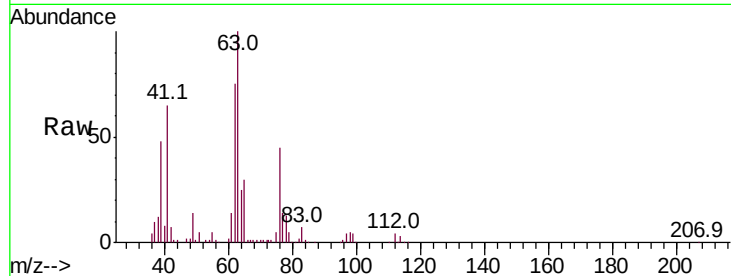
ClientSampled :

Tot Ion: 63 Resp: 53820

Ion Ratio Lower Upper

63 100

65 30.3 24.6 37.0



#46

Dibromomethane

Concen: 19.825 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

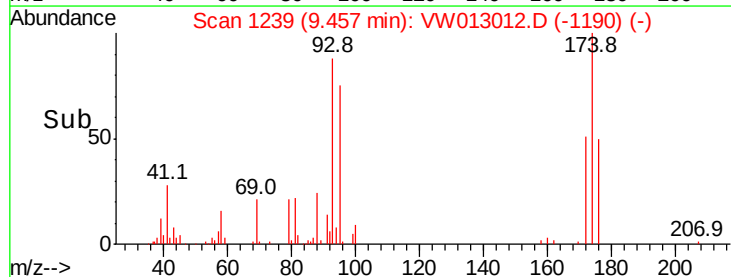
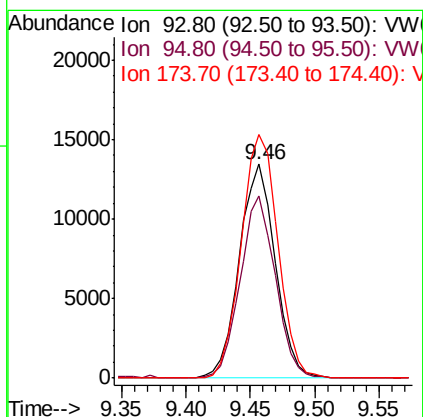
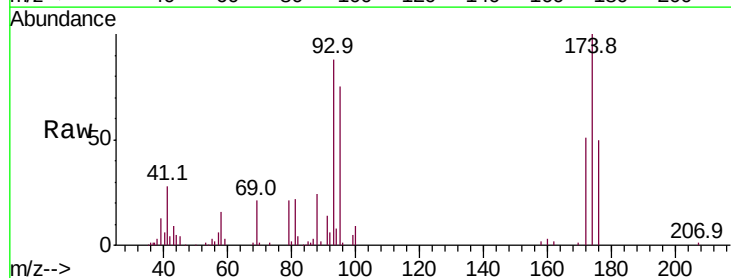
Tgt Ion: 93 Resp: 25971

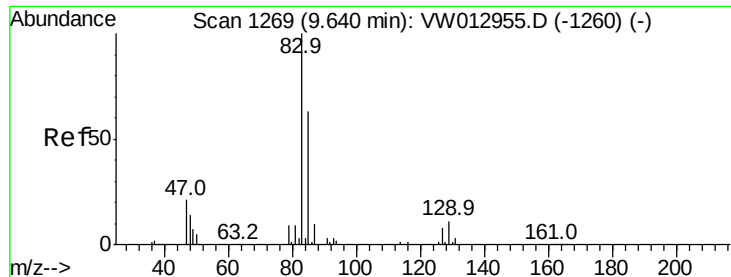
Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.4

174 115.9 90.5 135.7





#47

Bromodichloromethane

Concen: 19.829 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

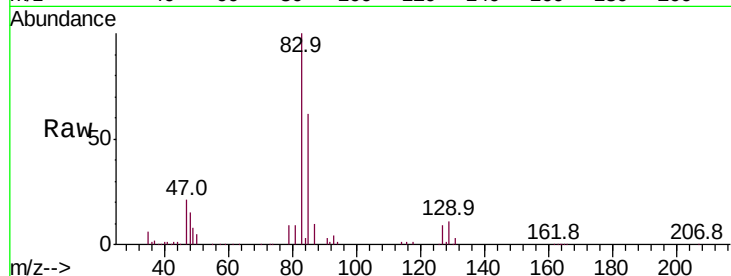
Tot Ion: 83 Resp: 72863

Ion Ratio Lower Upper

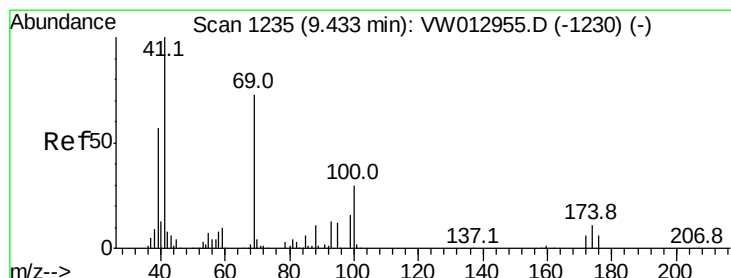
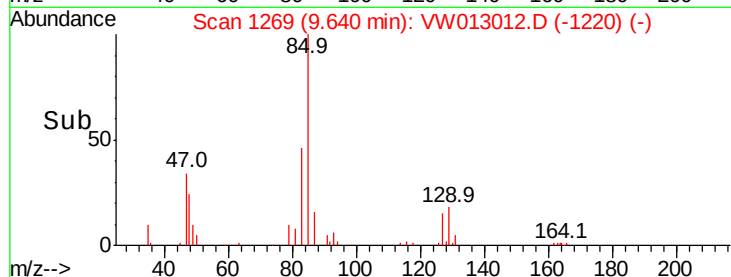
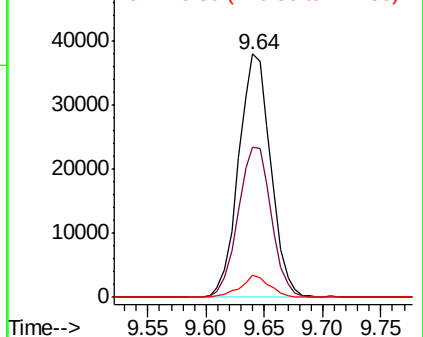
83 100

85 61.7 50.6 75.8

127 9.1 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): V



#48

Methyl methacrylate

Concen: 19.682 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

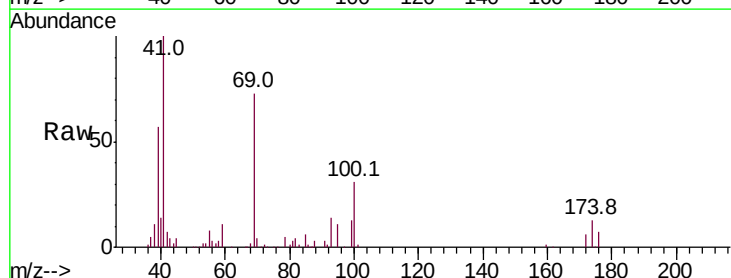
Tgt Ion: 41 Resp: 34704

Ion Ratio Lower Upper

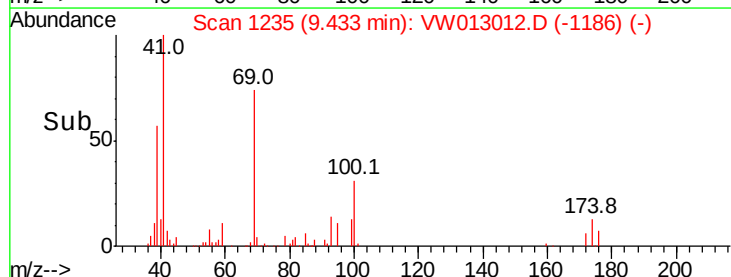
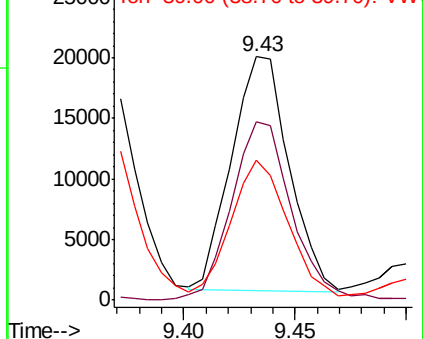
41 100

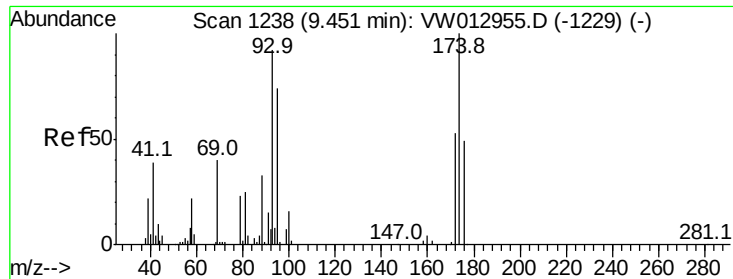
69 80.2 62.8 94.2

39 61.0 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

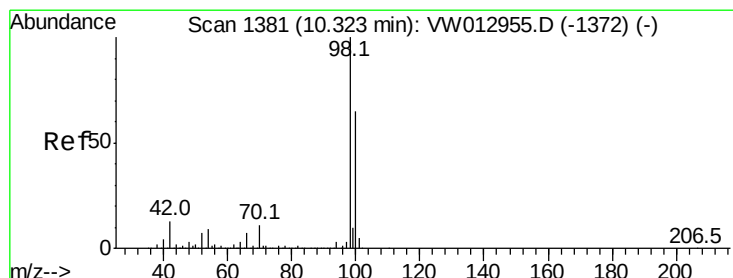
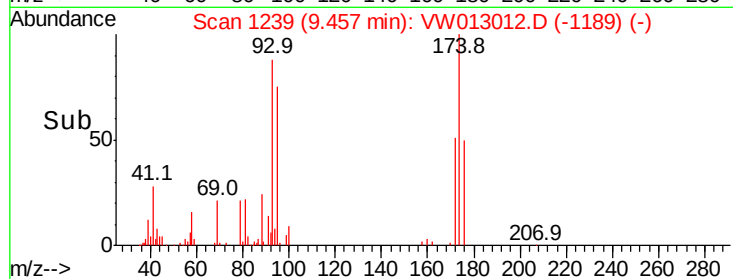
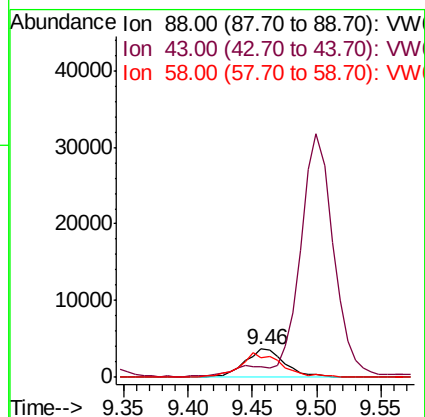
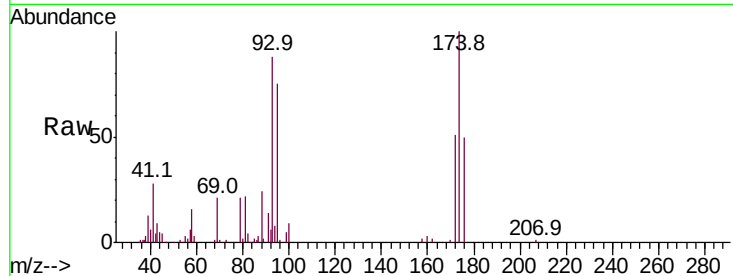




#49
1,4-Dioxane
Concen: 363.728 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

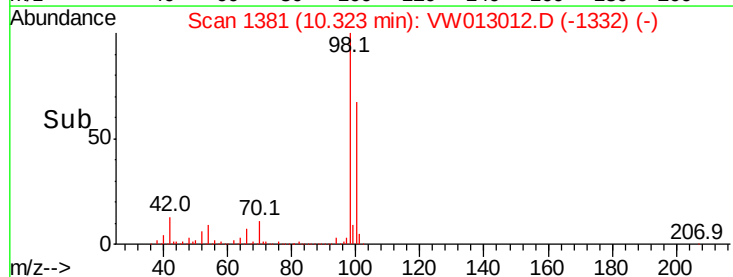
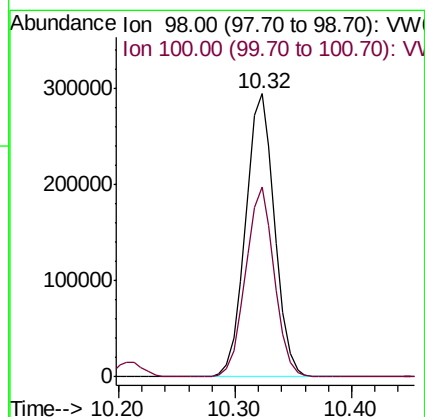
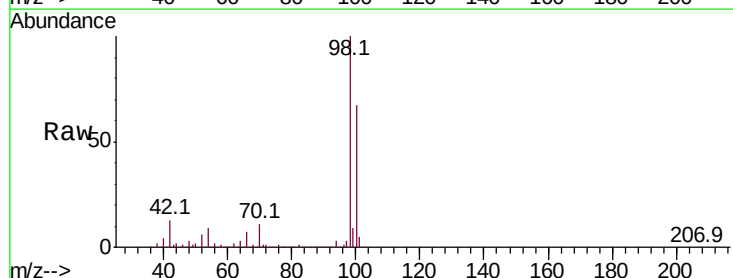
Instrument :
MSVOA_W
ClientSampleId :

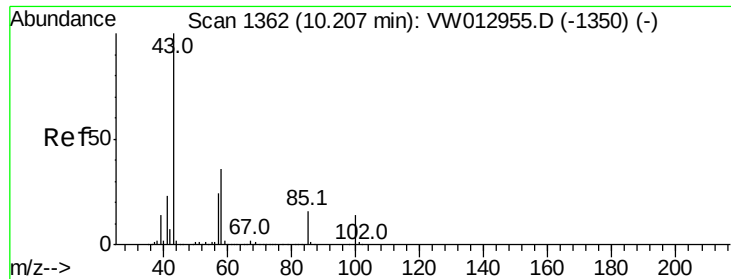
Tot Ion: 88 Resp: 7984
Ion Ratio Lower Upper
88 100
43 37.7 31.3 46.9
58 89.3 60.2 90.2



#50
Toluene-d8
Concen: 52.223 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion: 98 Resp: 511556
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 101.104 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

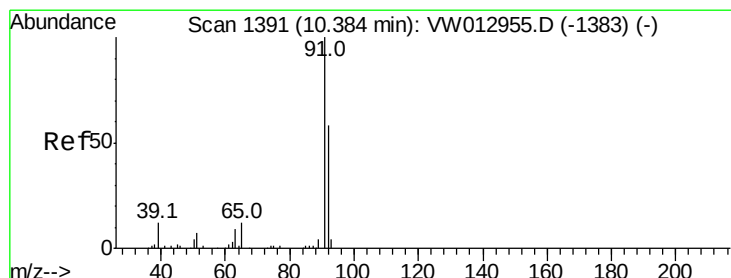
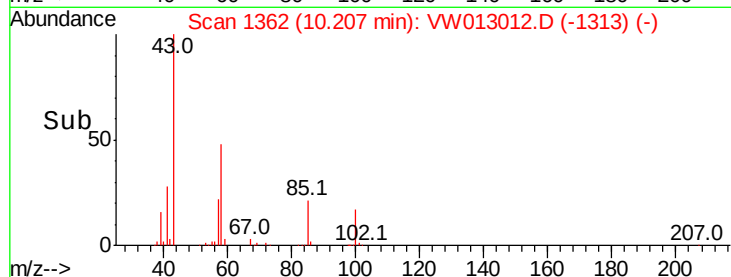
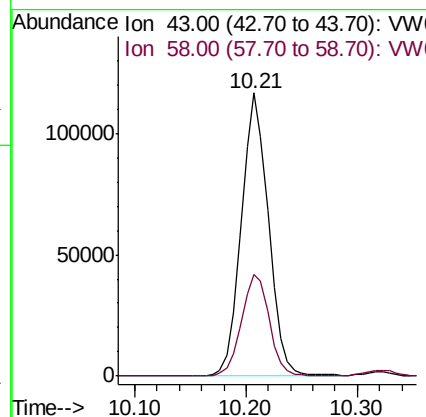
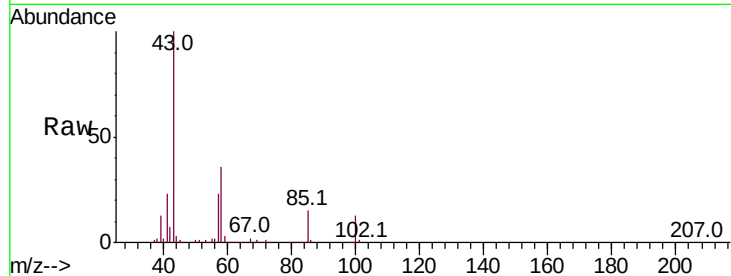
ClientSampled :

Tot Ion: 43 Resp: 196106

Ion Ratio Lower Upper

43 100

58 37.0 29.5 44.3



#52

Toluene

Concen: 19.538 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013012.D

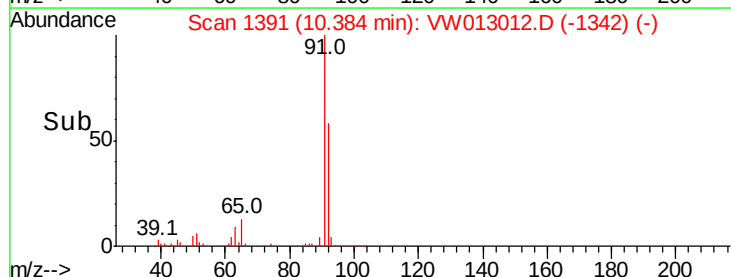
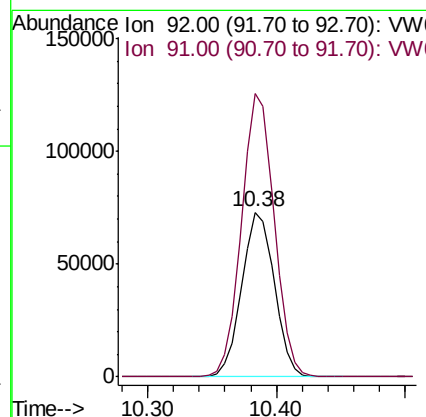
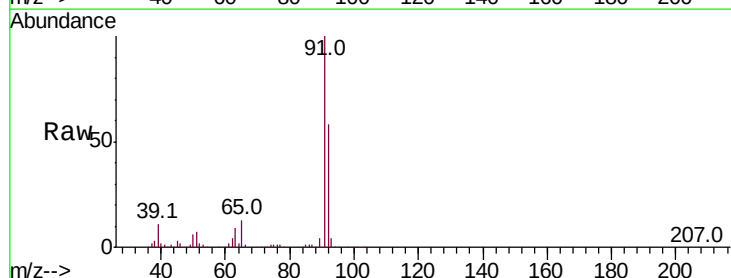
Acq: 15 Sep 2019 00:59

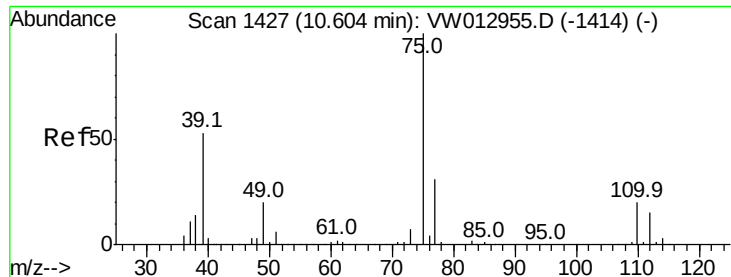
Tgt Ion: 92 Resp: 127768

Ion Ratio Lower Upper

92 100

91 172.4 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 18.734 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

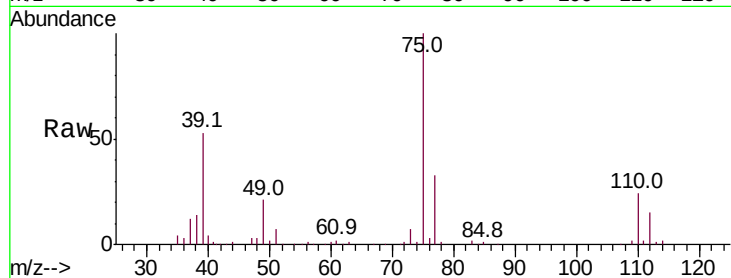
ClientSampled :

Tot Ion: 75 Resp: 69231

Ion Ratio Lower Upper

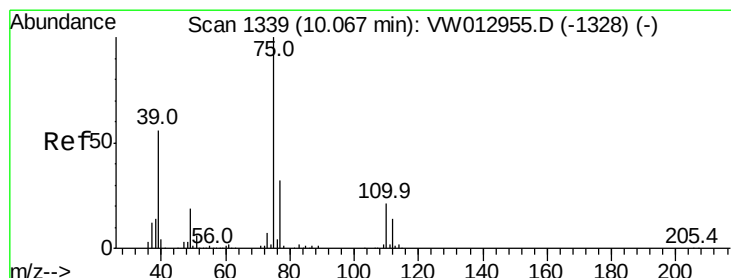
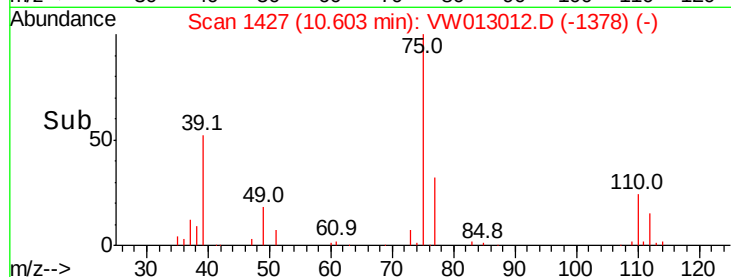
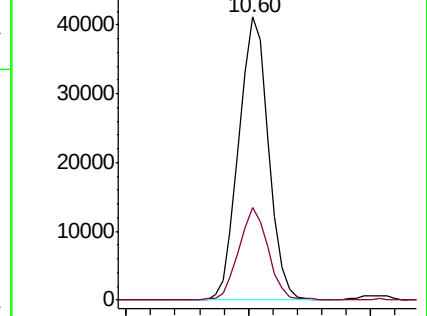
75 100

77 32.7 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 18.808 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

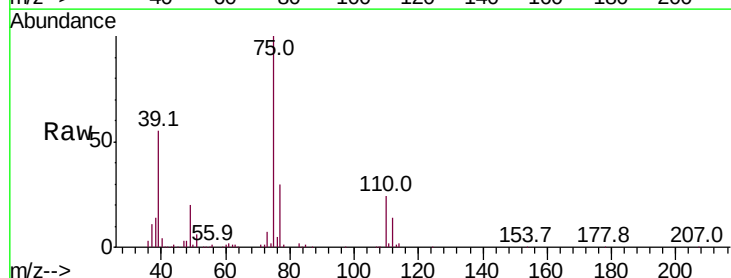
Tgt Ion: 75 Resp: 79529

Ion Ratio Lower Upper

75 100

77 29.6 25.5 38.3

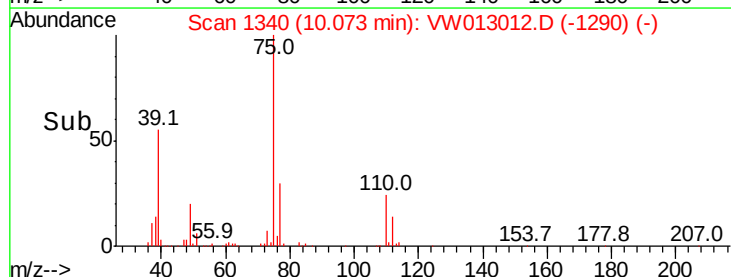
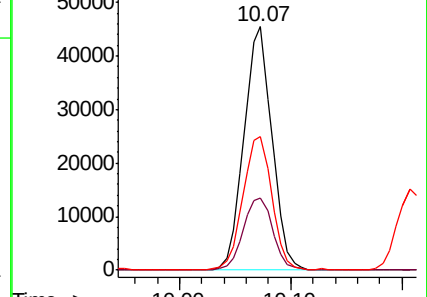
39 54.8 45.0 67.6

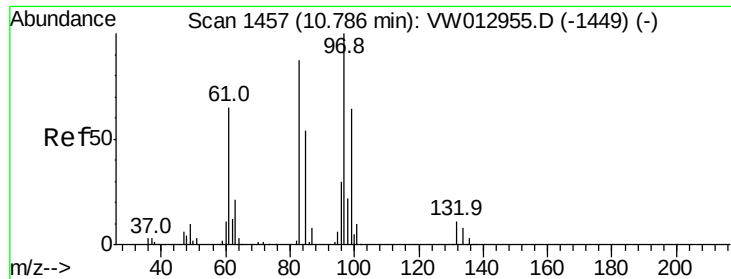


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

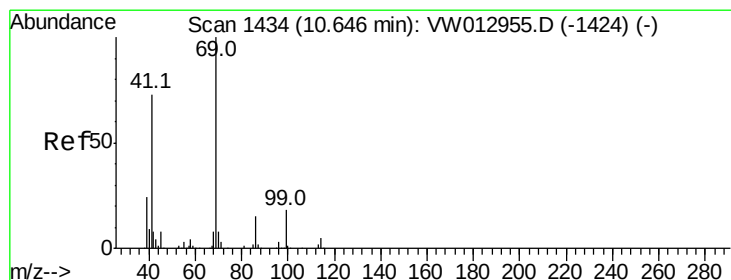
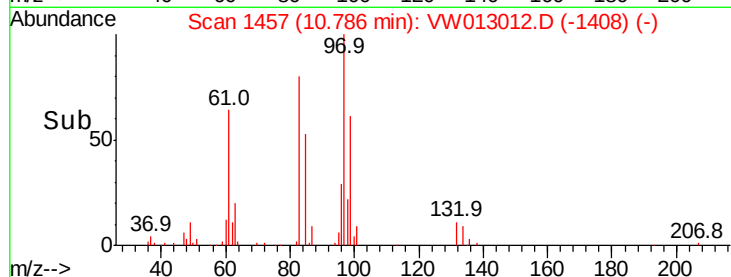
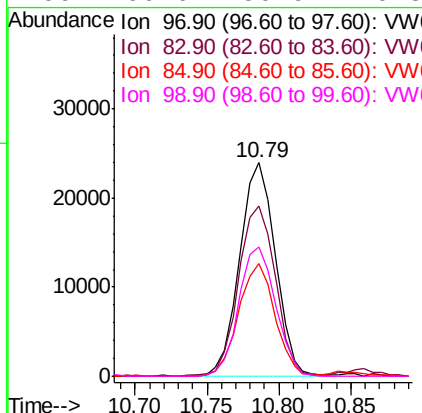
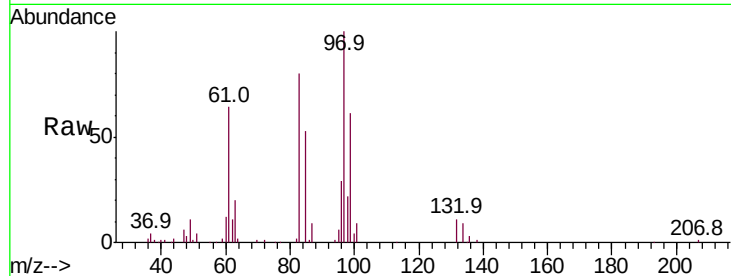




#55
 1,1,2-Trichloroethane
 Concen: 20.731 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

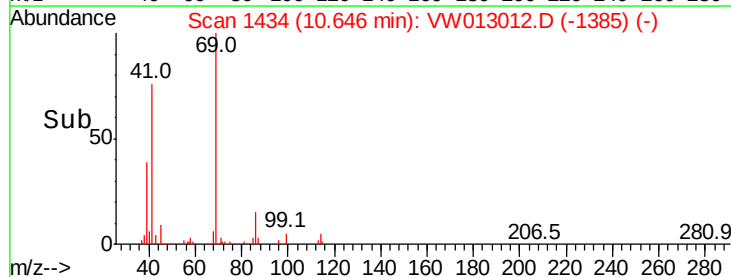
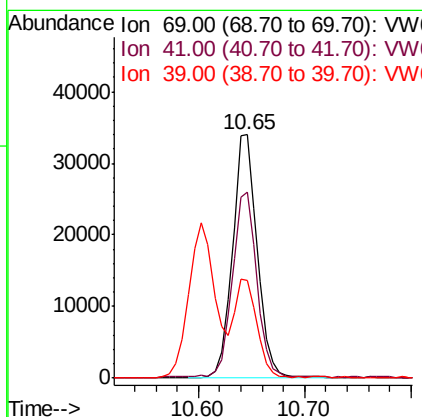
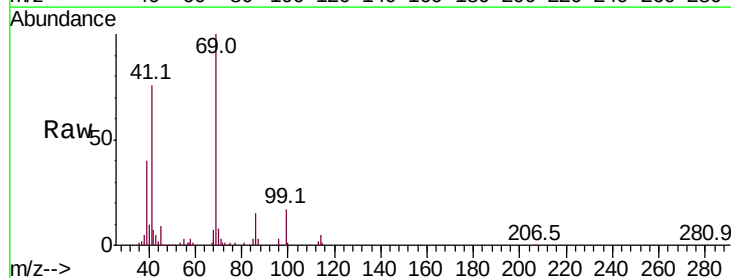
Instrument :
 MSVOA_W
 ClientSampleId :

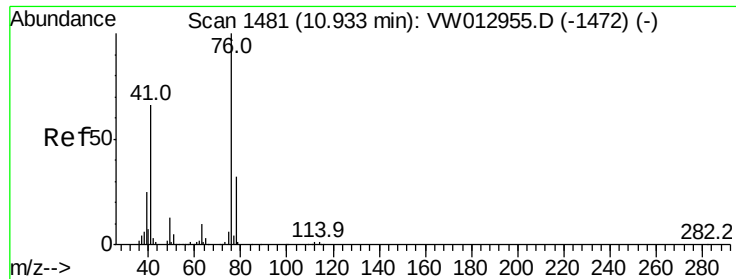
Tot Ion:	97	Resp:	41372
Ion	Ratio	Lower	Upper
97	100		
83	79.2	69.4	104.0
85	52.9	43.3	64.9
99	60.6	50.9	76.3



#56
 Ethyl methacrylate
 Concen: 20.715 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion:	69	Resp:	55645
Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.8	91.2
39	35.6	29.4	44.0





#57

1,3-Dichloropropane

Concen: 20.610 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

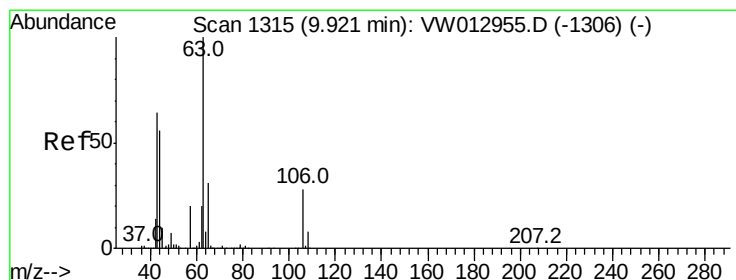
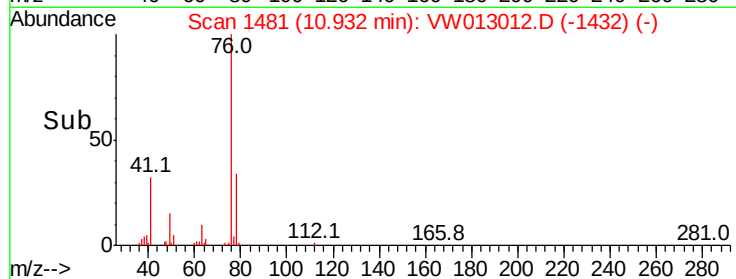
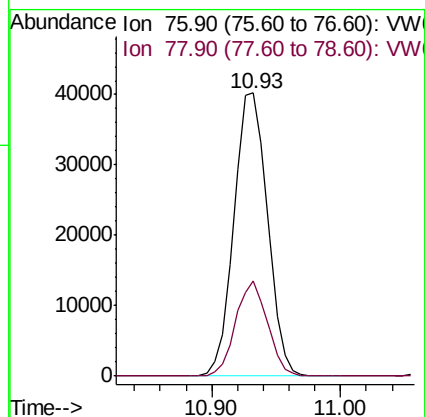
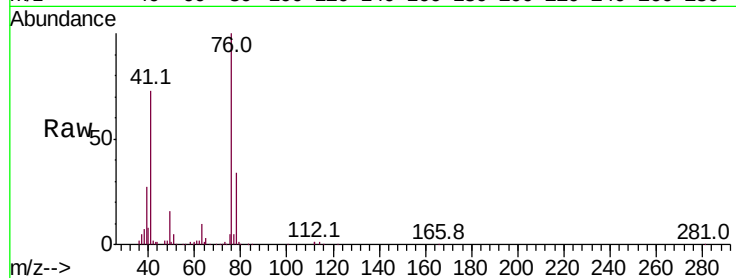
ClientSampled :

Tot Ion: 76 Resp: 72962

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 98.532 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013012.D

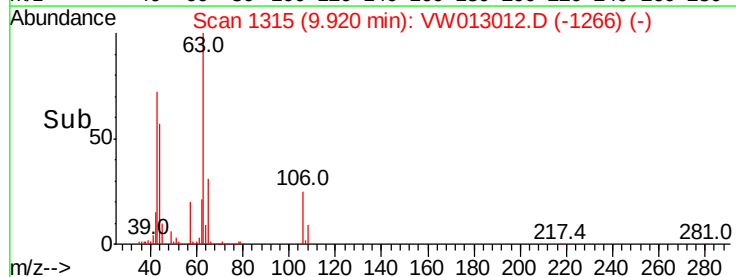
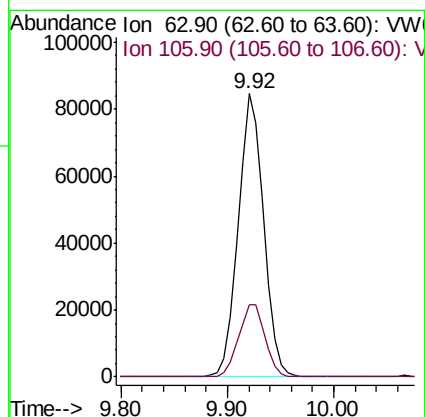
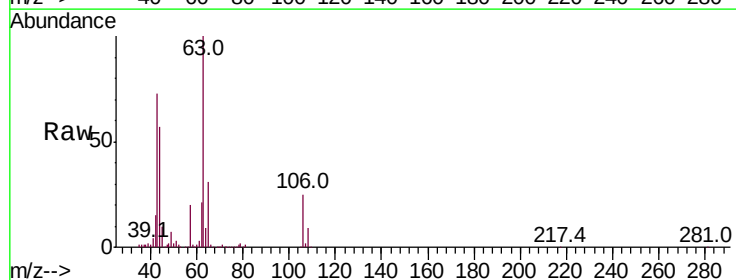
Acq: 15 Sep 2019 00:59

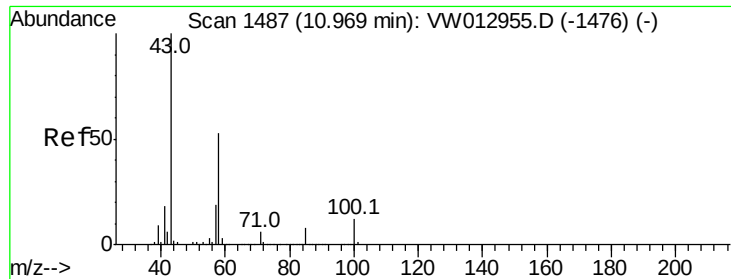
Tgt Ion: 63 Resp: 141979

Ion Ratio Lower Upper

63 100

106 26.8 22.2 33.2

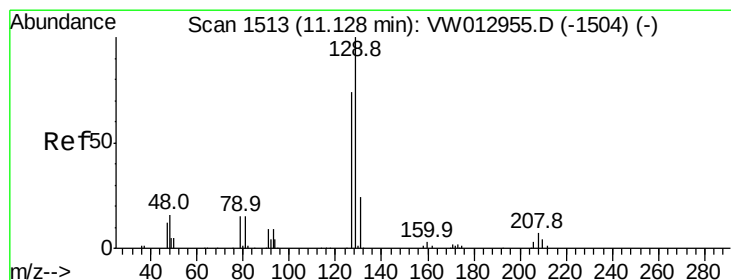
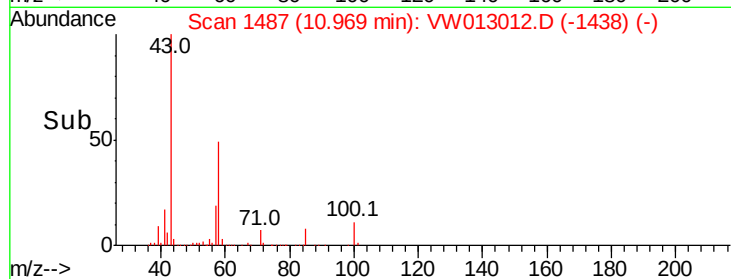
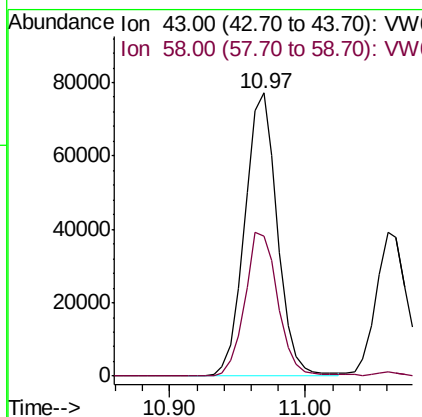
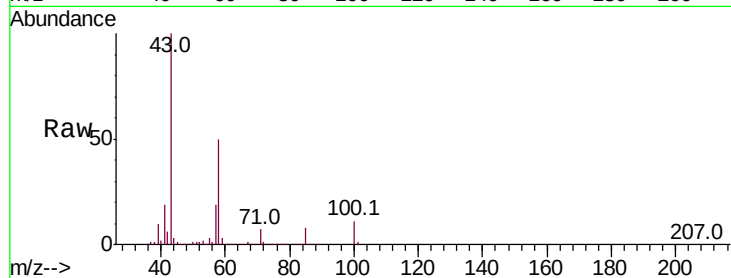




#59
2-Hexanone
Concen: 95.787 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

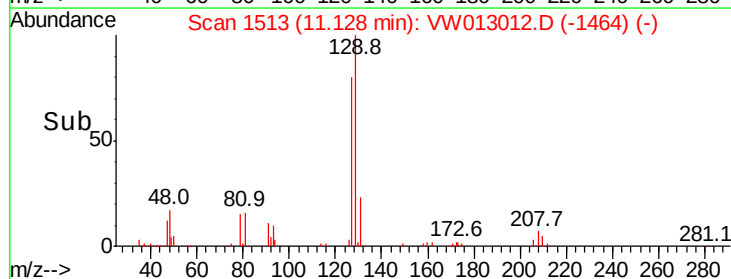
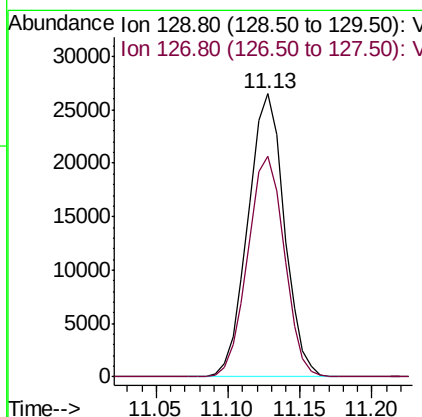
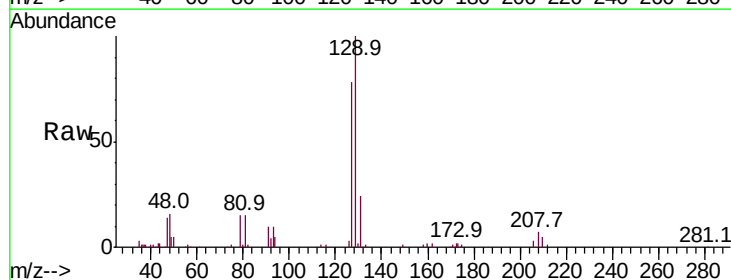
Instrument :
MSVOA_W
ClientSampleId :

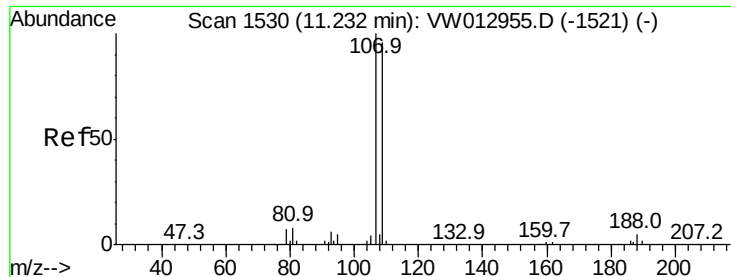
Tot Ion: 43 Resp: 129370
Ion Ratio Lower Upper
43 100
58 51.3 25.8 77.3



#60
Dibromochloromethane
Concen: 19.223 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion: 129 Resp: 46379
Ion Ratio Lower Upper
129 100
127 78.2 37.4 112.2

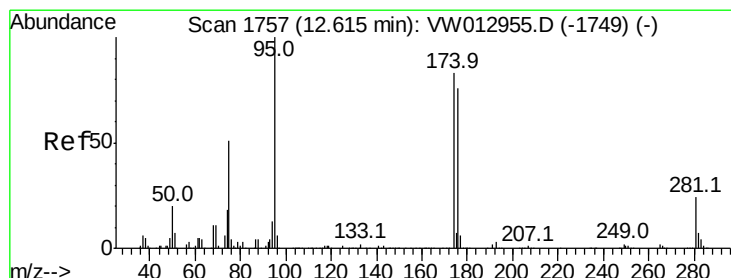
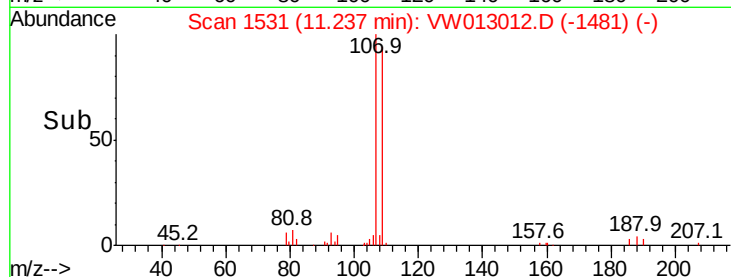
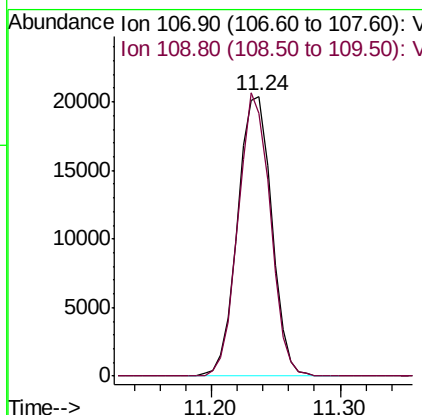
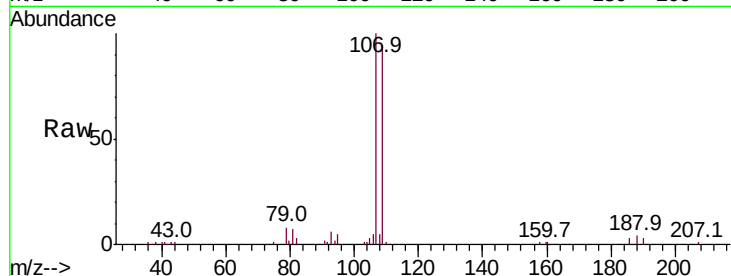




#61
 1,2-Dibromoethane
 Concen: 20.527 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

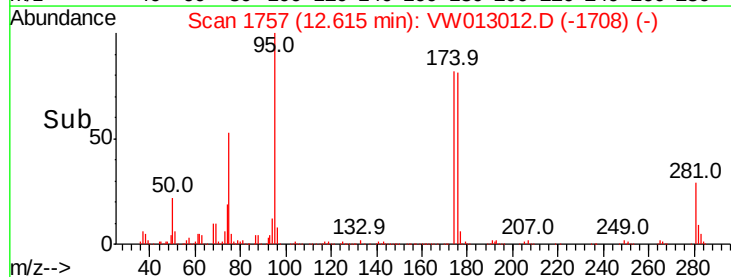
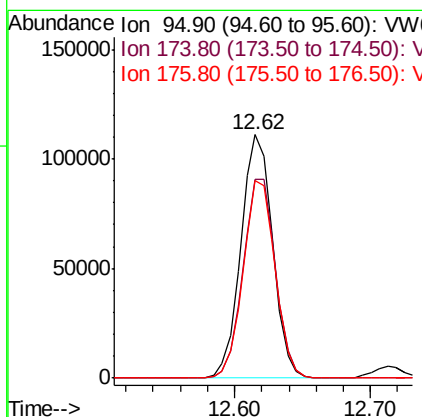
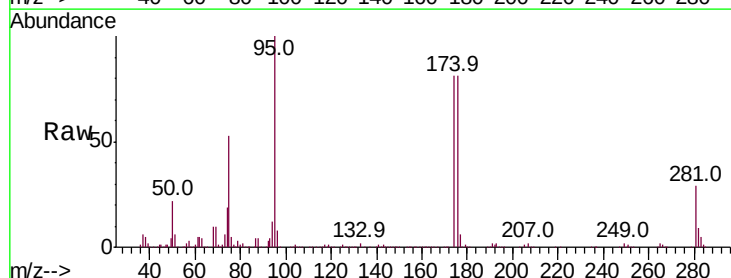
Instrument :
 MSVOA_W
 ClientSampleId :

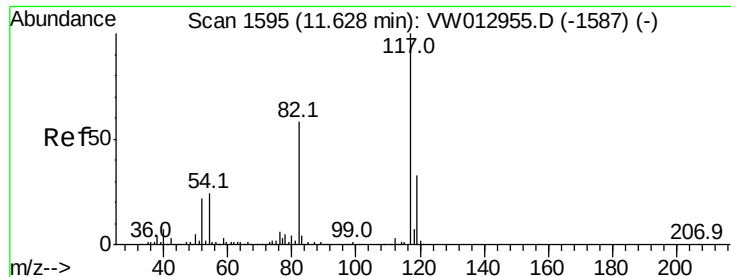
Tot Ion:107 Resp: 37369
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 51.192 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion: 95 Resp: 180313
 Ion Ratio Lower Upper
 95 100
 174 83.9 0.0 170.4
 176 82.2 0.0 164.6

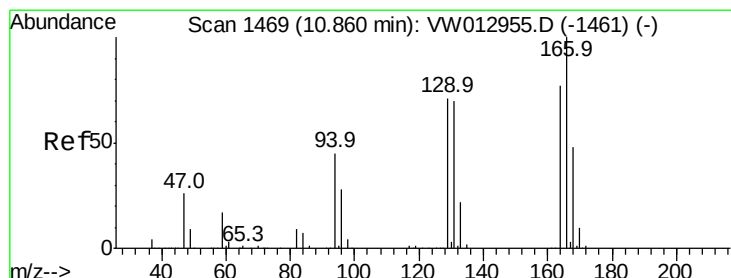
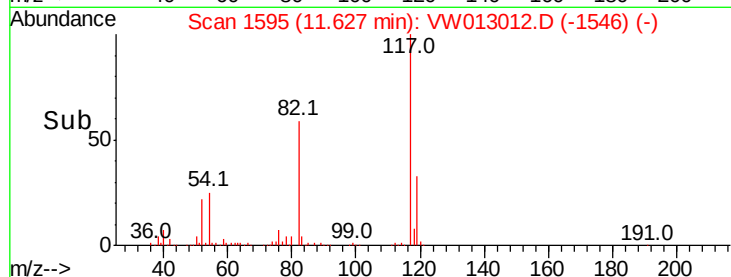
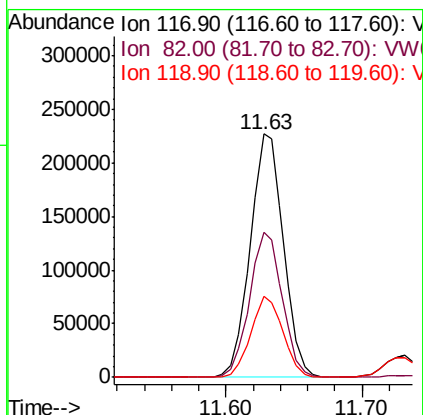
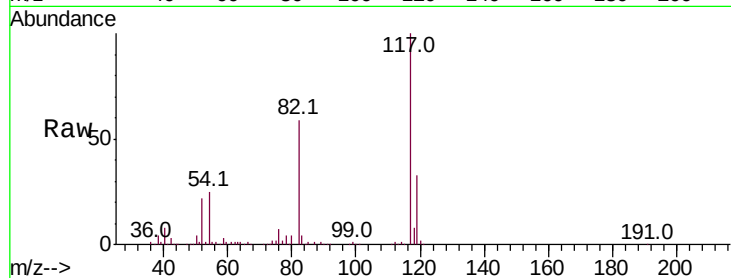




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

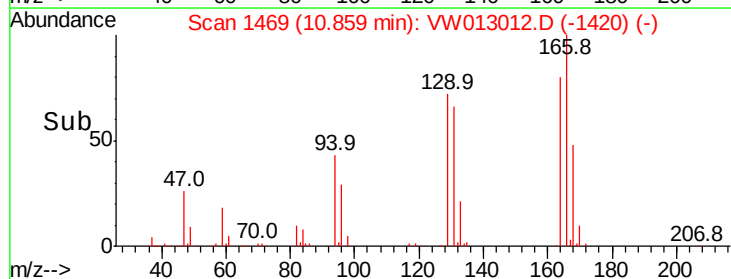
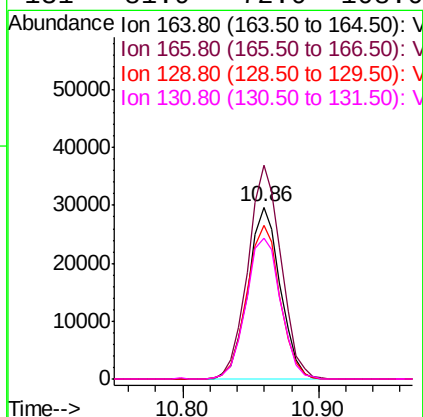
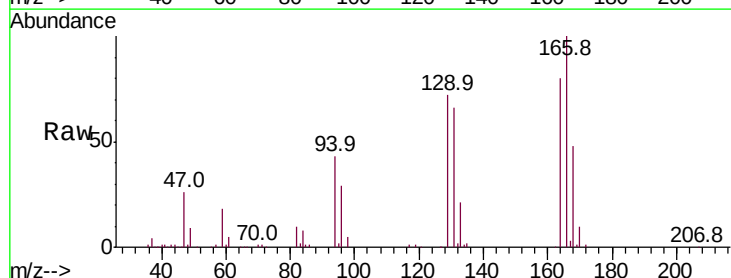
Instrument :
MSVOA_W
ClientSampleId :

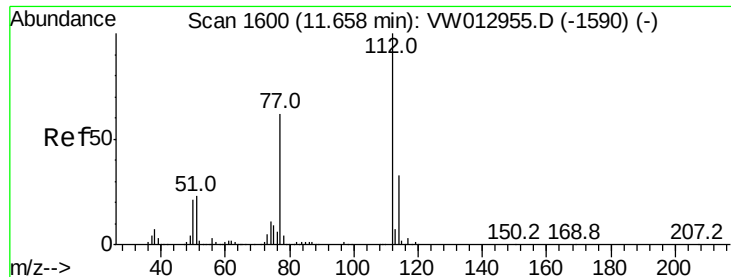
Tot Ion:117 Resp: 388873
Ion Ratio Lower Upper
117 100
82 59.4 46.3 69.5
119 33.4 26.2 39.4



#64
Tetrachloroethene
Concen: 21.367 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion:164 Resp: 49431
Ion Ratio Lower Upper
164 100
166 124.3 103.3 154.9
129 89.1 73.8 110.8
131 81.9 72.0 108.0

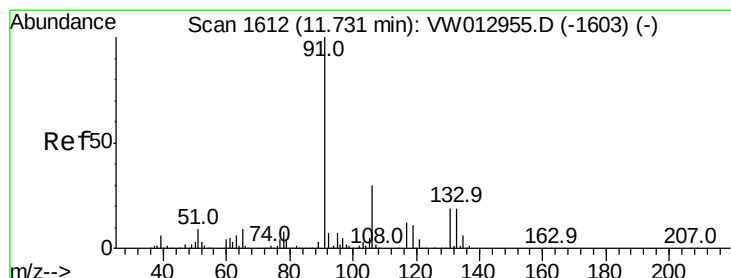
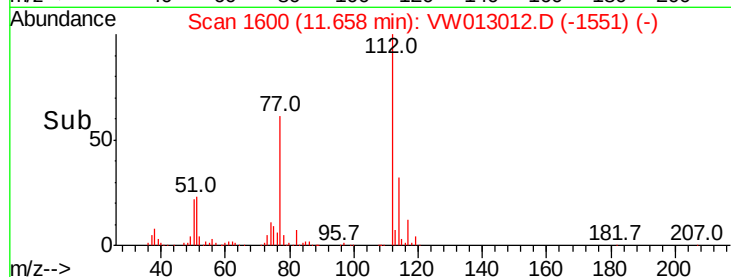
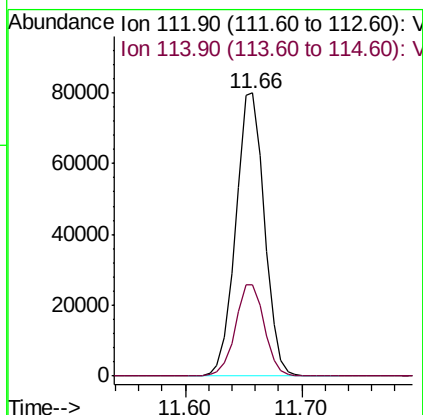
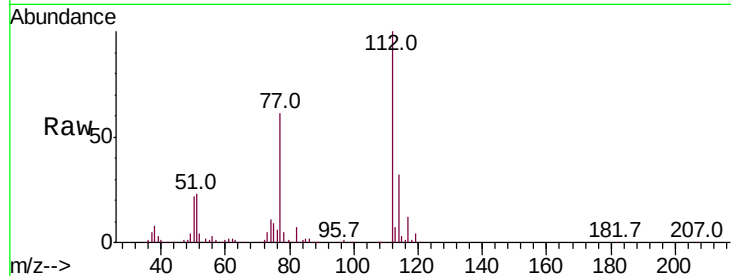




#65
Chlorobenzene
Concen: 19.805 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

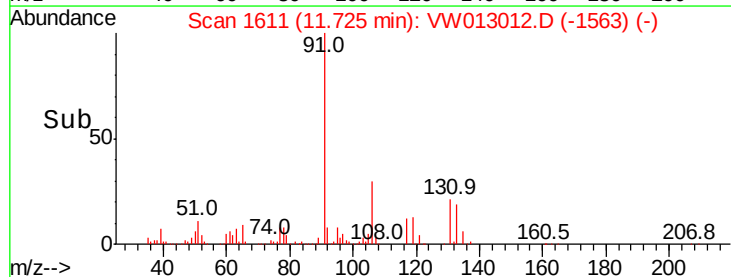
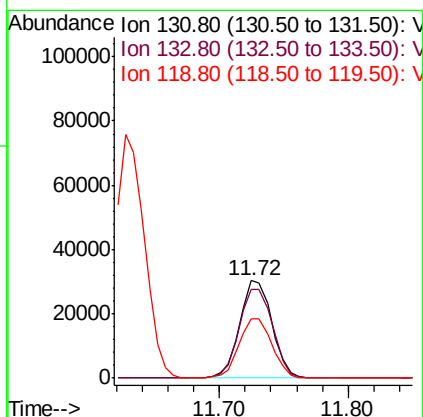
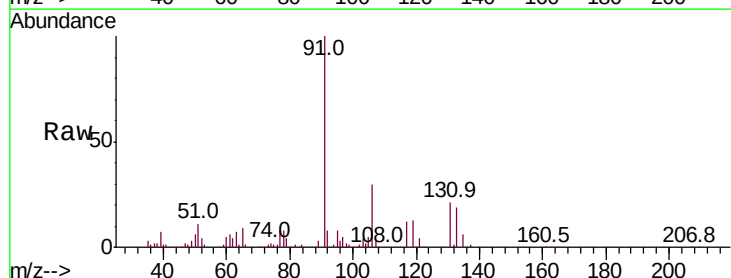
Instrument :
MSVOA_W
ClientSampleId :

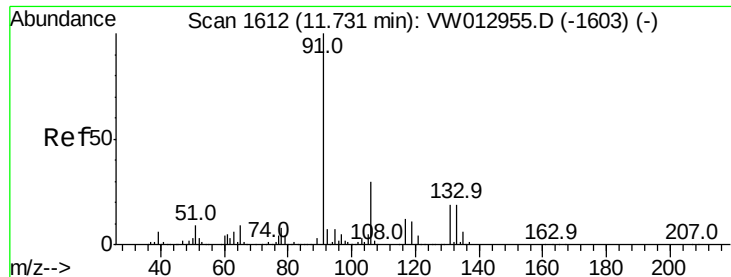
Tot Ion:112 Resp: 137187
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.792 ug/l
RT: 11.72 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion:131 Resp: 52536
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.8
119 62.5 30.9 92.7

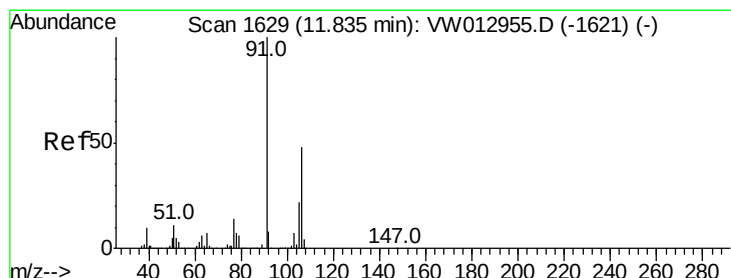
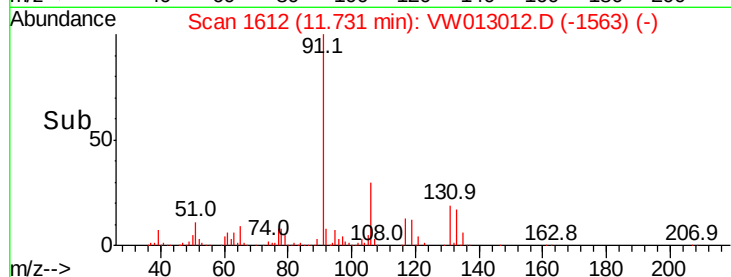
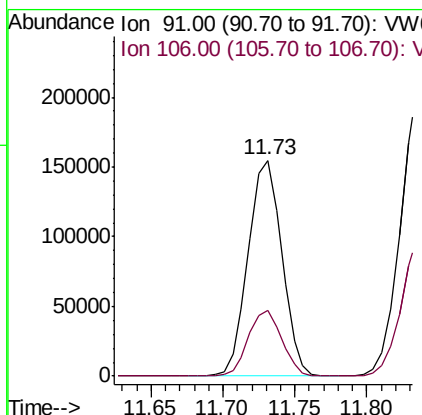
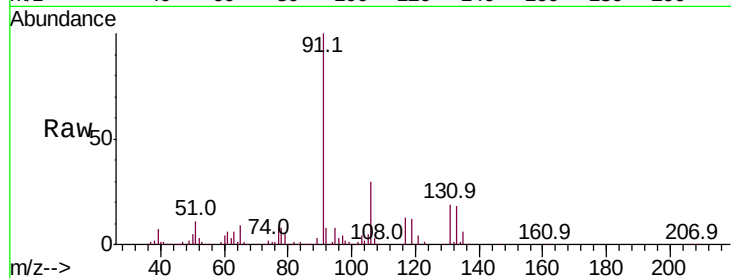




#67
Ethyl Benzene
Concen: 19.646 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

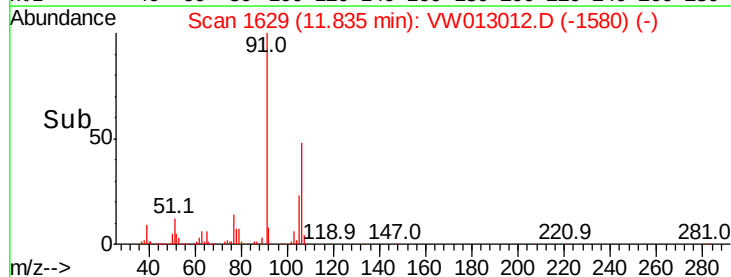
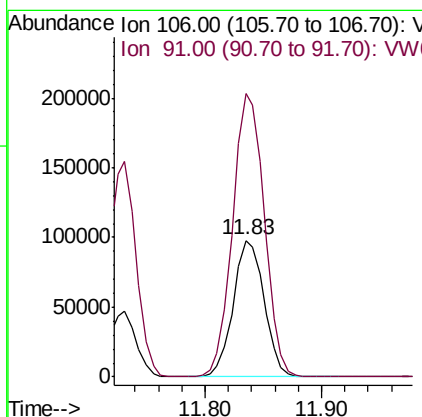
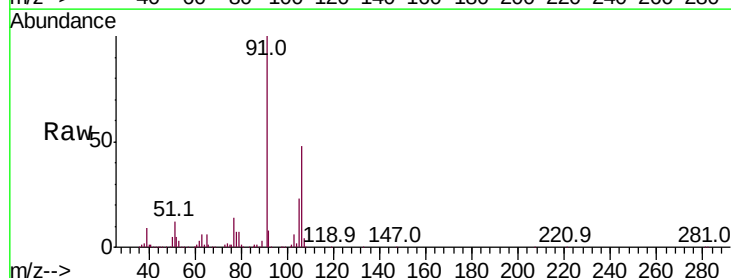
Instrument :
MSVOA_W
ClientSampled :

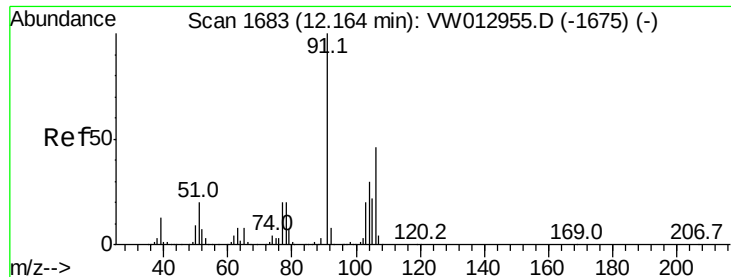
Tot Ion: 91 Resp: 251332
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5



#68
m/p-Xylenes
Concen: 38.838 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion: 106 Resp: 181503
Ion Ratio Lower Upper
106 100
91 211.9 165.8 248.8

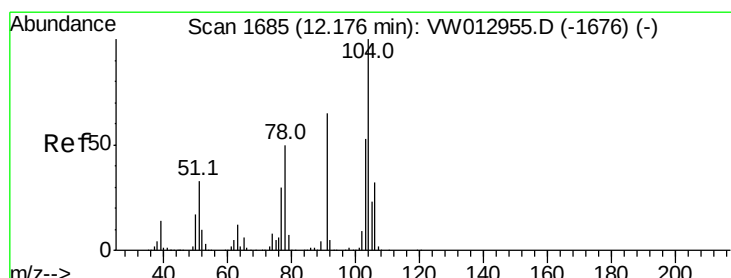
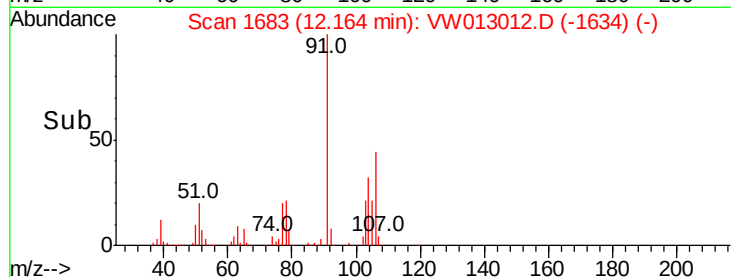
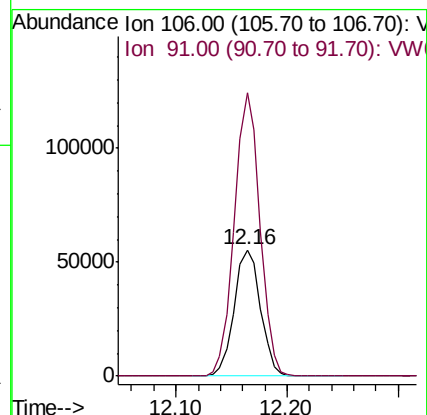
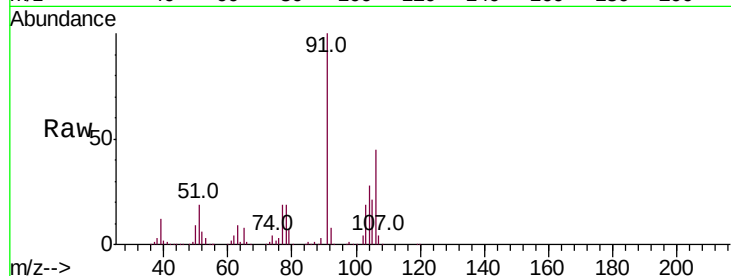




#69
o-Xylene
Concen: 20.605 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

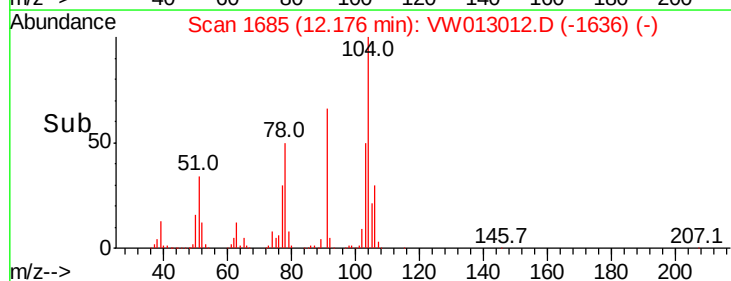
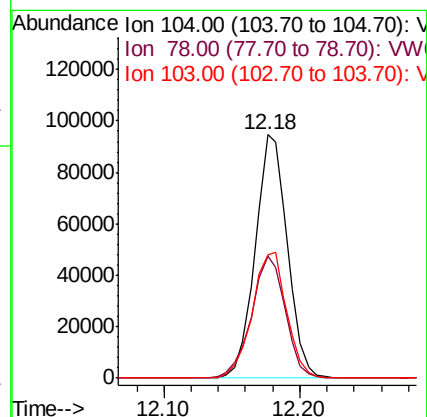
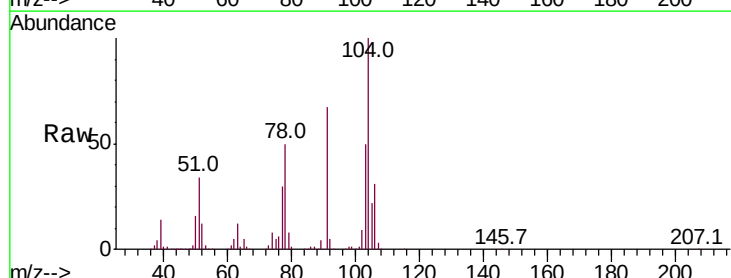
Instrument :
MSVOA_W
ClientSampled :

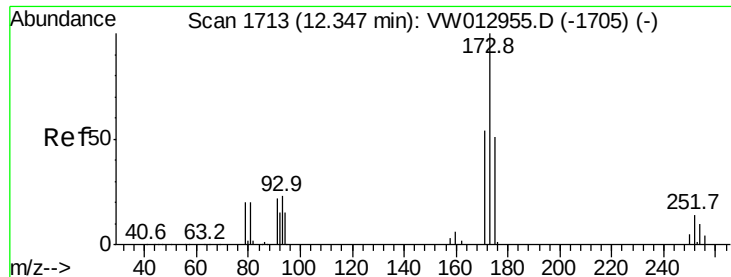
Tot Ion:106 Resp: 90280
Ion Ratio Lower Upper
106 100
91 219.4 109.7 329.0



#70
Styrene
Concen: 20.045 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion:104 Resp: 156234
Ion Ratio Lower Upper
104 100
78 52.8 42.1 63.1
103 55.6 44.2 66.4





#71

Bromoform

Concen: 19.598 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

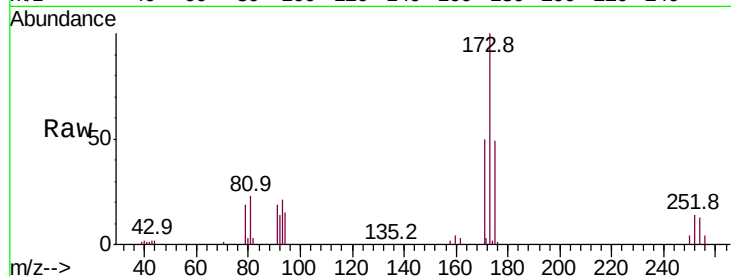
Tot Ion:173 Resp: 27325

Ion Ratio Lower Upper

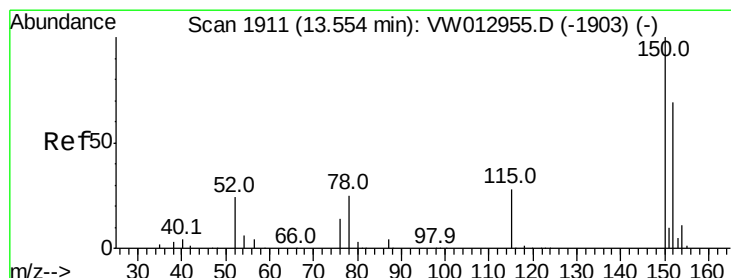
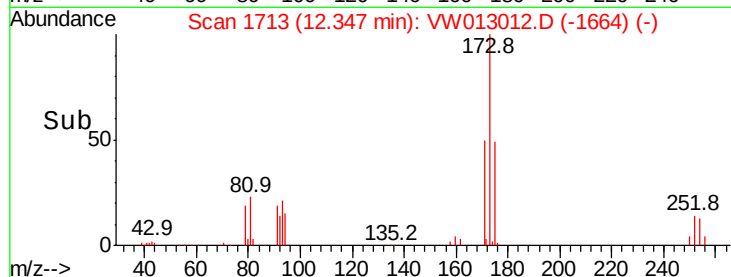
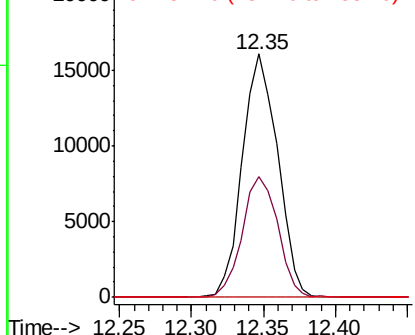
173 100

175 50.0 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

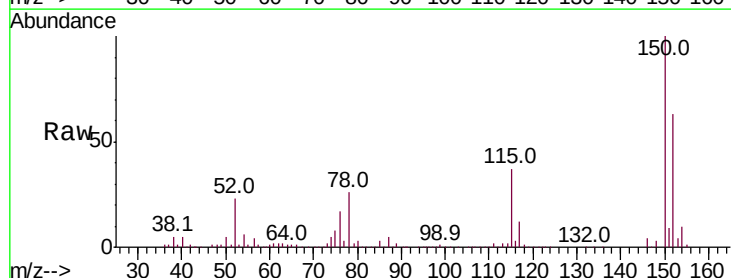
Tgt Ion:152 Resp: 194426

Ion Ratio Lower Upper

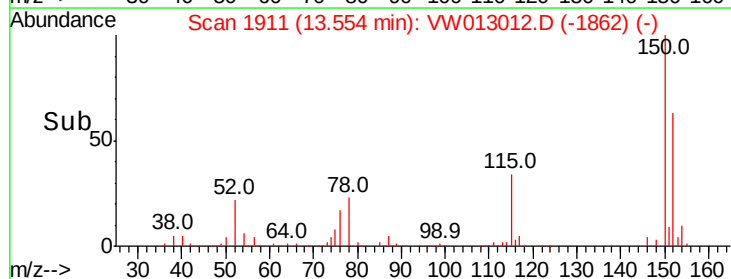
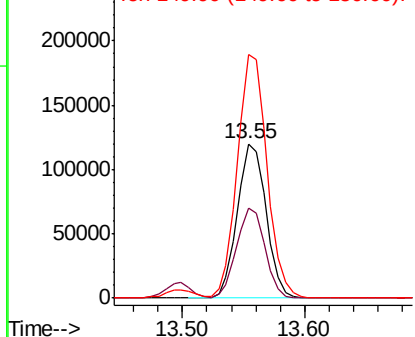
152 100

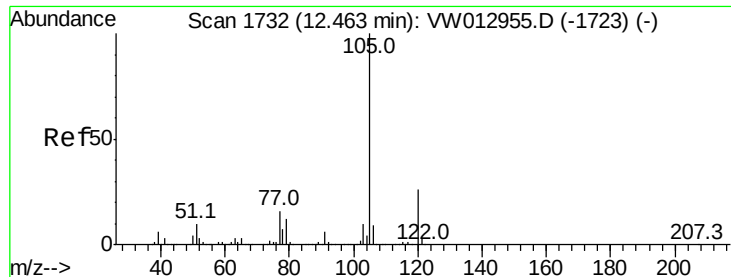
115 57.7 28.8 86.4

150 163.1 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

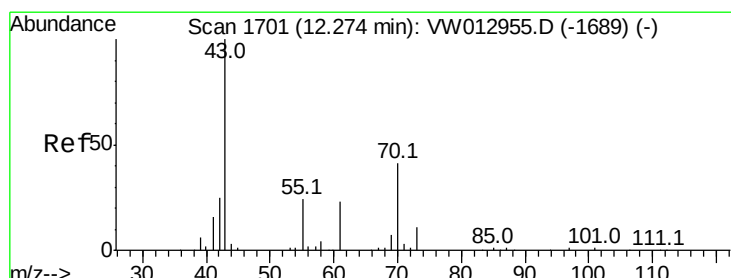
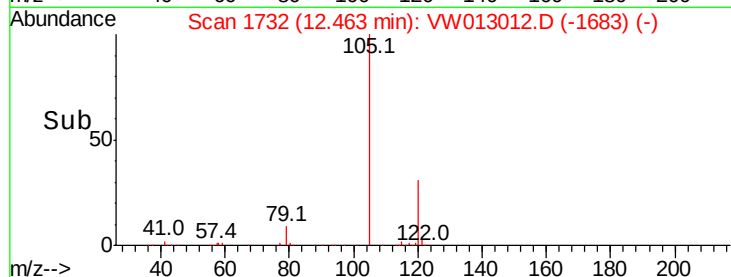
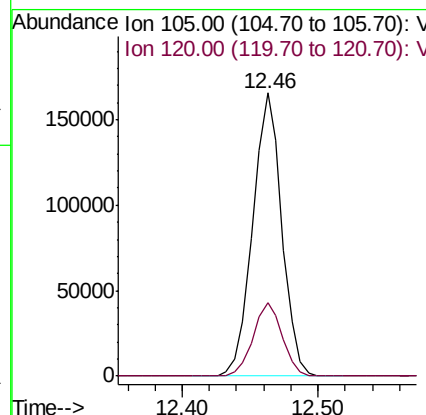
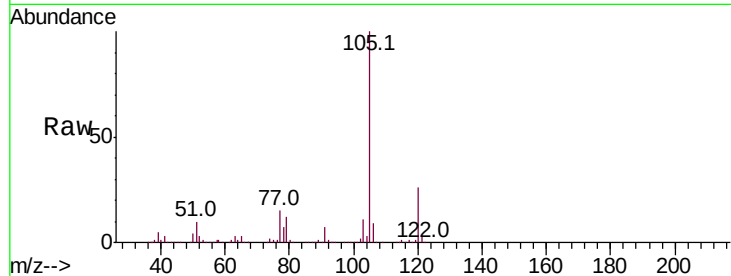




#73
Isopropylbenzene
Concen: 19.217 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

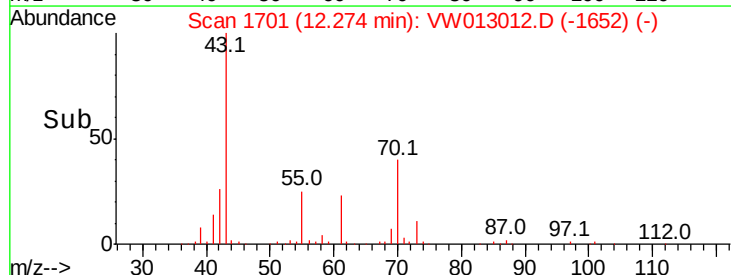
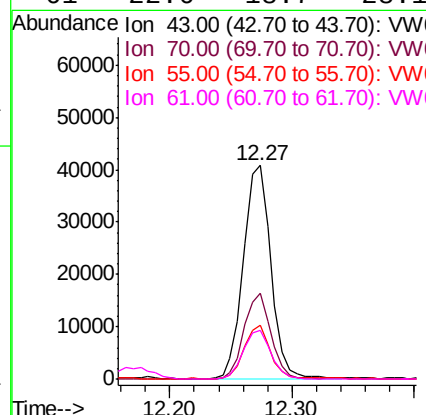
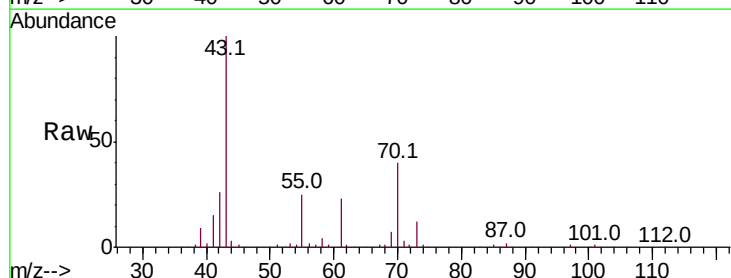
Instrument :
MSVOA_W
ClientSampleId :

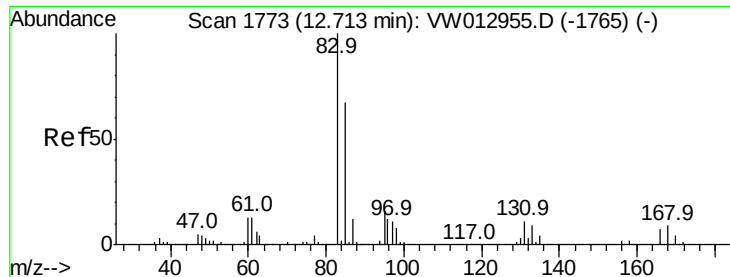
Tot Ion:105 Resp: 247651
Ion Ratio Lower Upper
105 100
120 26.2 13.0 39.0



#74
N-ethyl acetate
Concen: 19.319 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion: 43 Resp: 64044
Ion Ratio Lower Upper
43 100
70 38.8 31.7 47.5
55 24.0 19.4 29.2
61 22.6 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.642 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

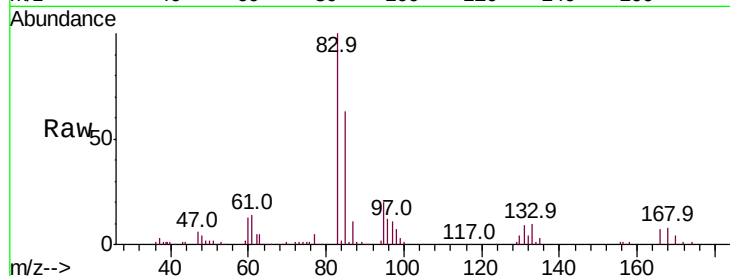
Tot Ion: 83 Resp: 44459

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.1

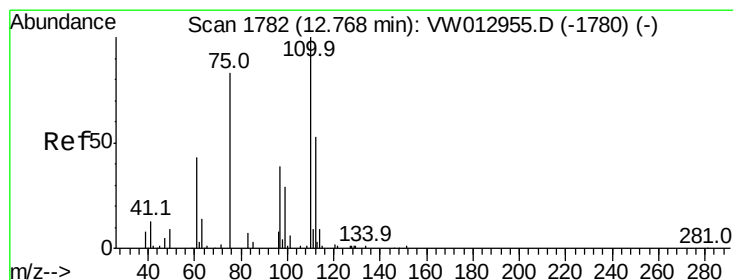
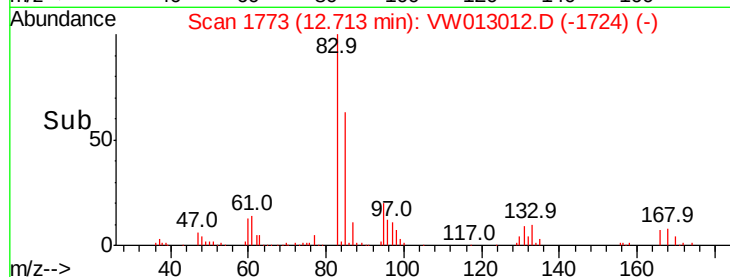
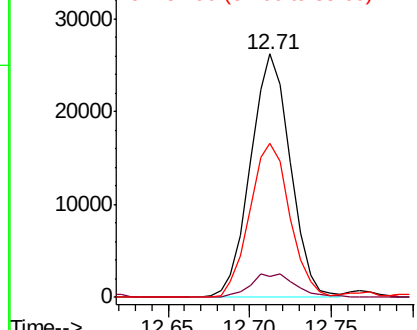
85 63.6 31.4 94.3



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: 34.990 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013012.D

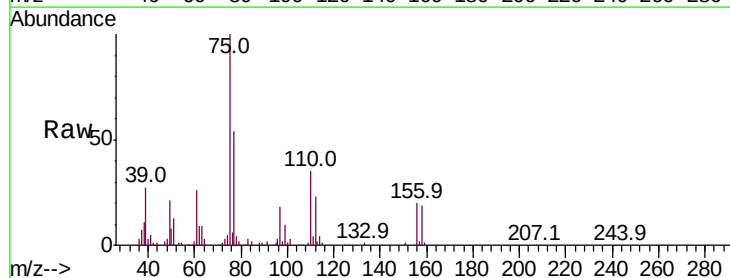
Acq: 15 Sep 2019 00:59

Tgt Ion: 75 Resp: 59589

Ion Ratio Lower Upper

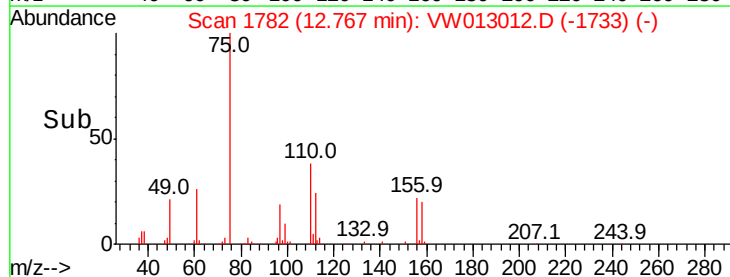
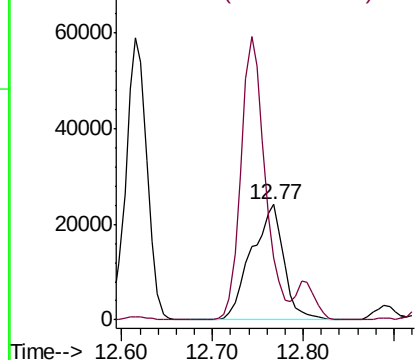
75 100

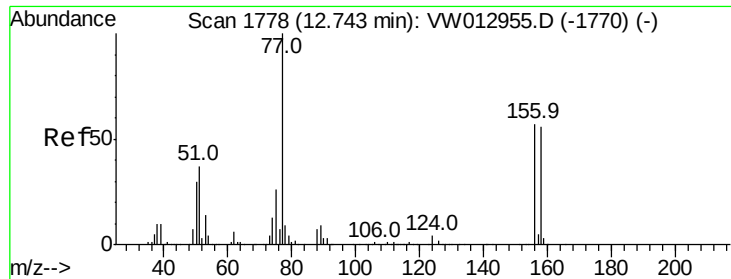
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.741 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

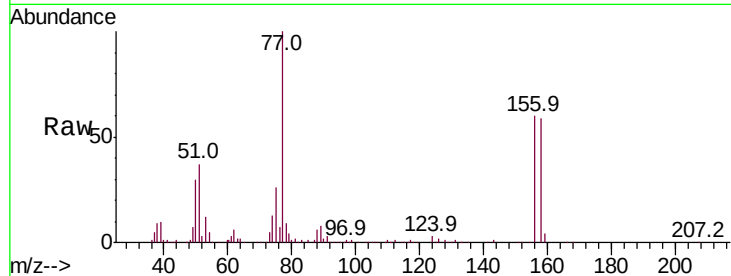
Tot Ion:156 Resp: 58608

Ion Ratio Lower Upper

156 100

77 187.8 95.2 285.6

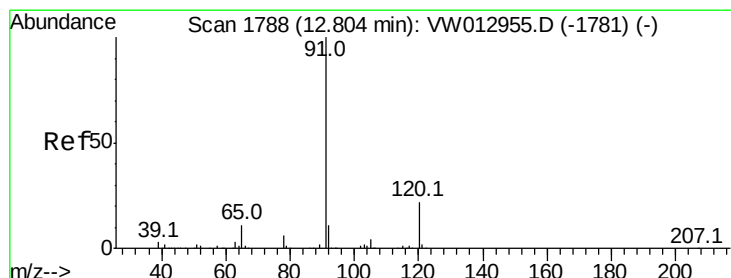
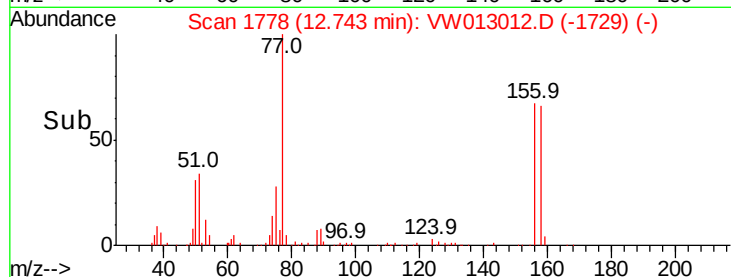
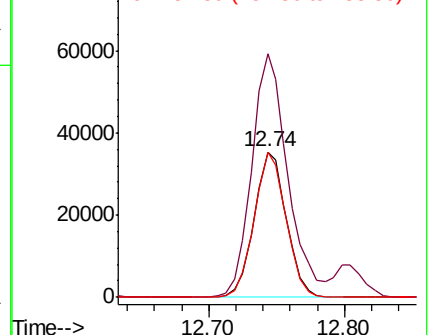
158 98.8 49.0 147.2



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: 19.301 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013012.D

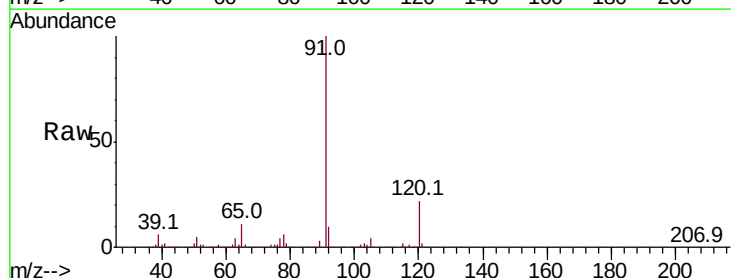
Acq: 15 Sep 2019 00:59

Tgt Ion: 91 Resp: 292586

Ion Ratio Lower Upper

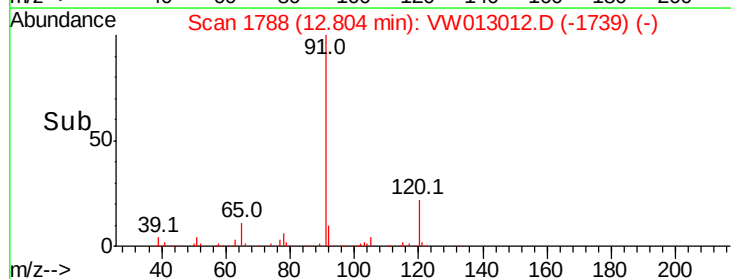
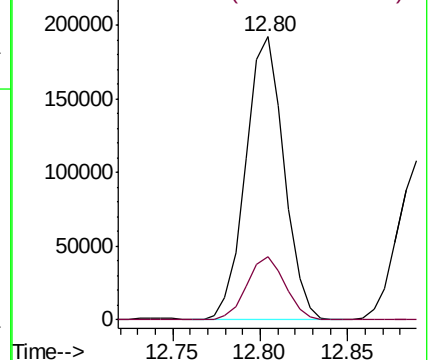
91 100

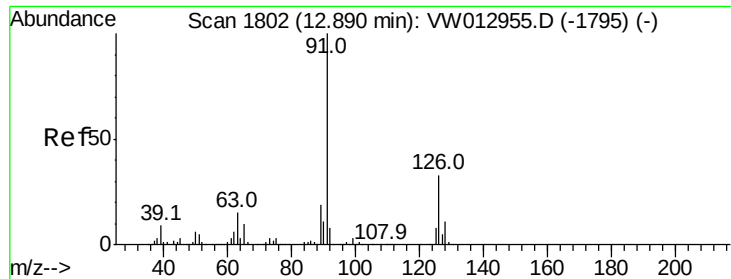
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.908 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

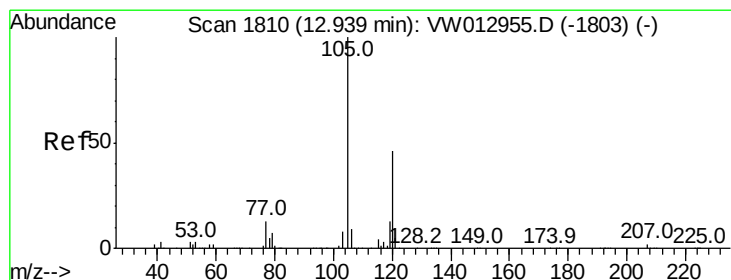
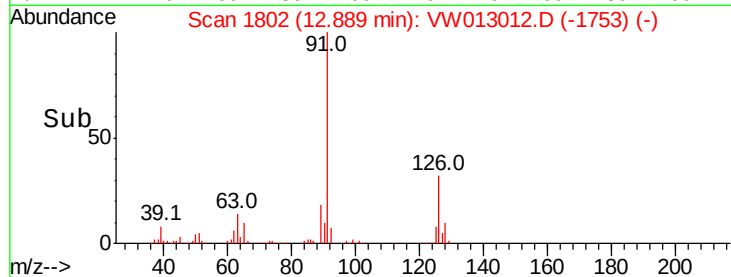
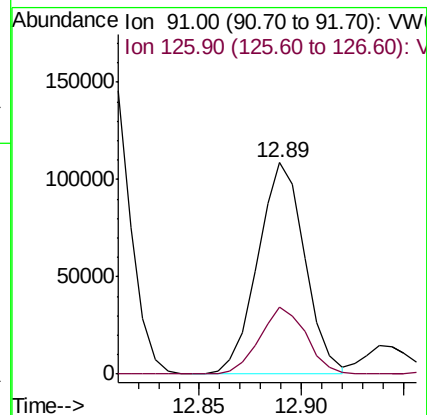
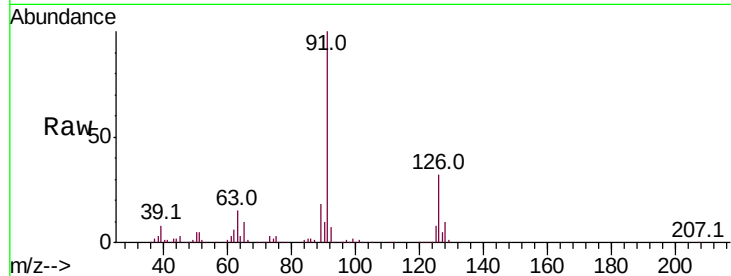
ClientSampleId :

Tot Ion: 91 Resp: 173487

Ion Ratio Lower Upper

91 100

126 31.8 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 19.690 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013012.D

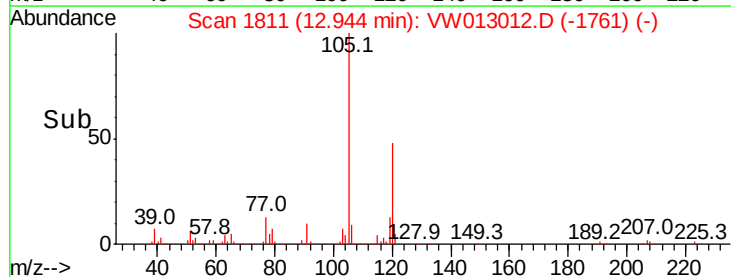
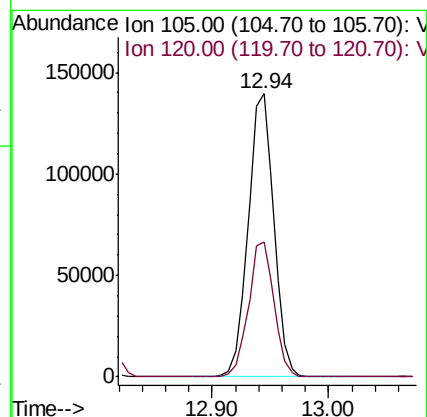
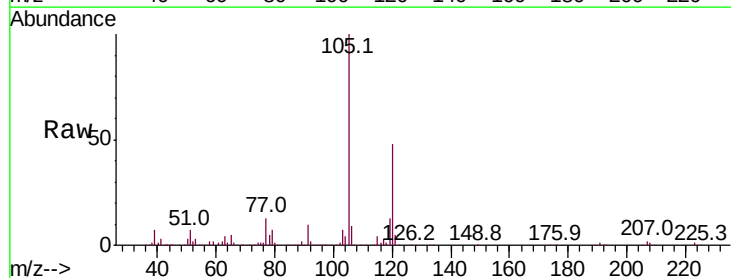
Acq: 15 Sep 2019 00:59

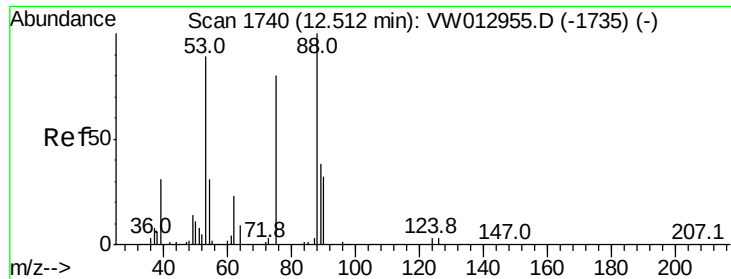
Tgt Ion:105 Resp: 214673

Ion Ratio Lower Upper

105 100

120 47.6 24.2 72.6

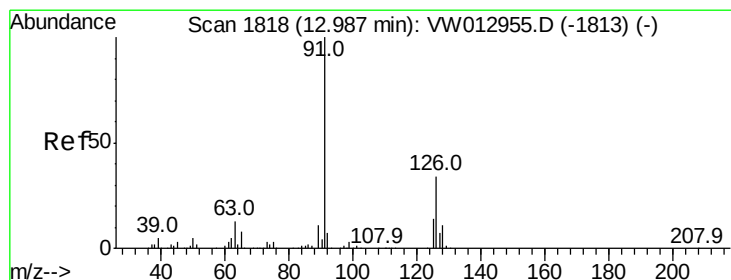
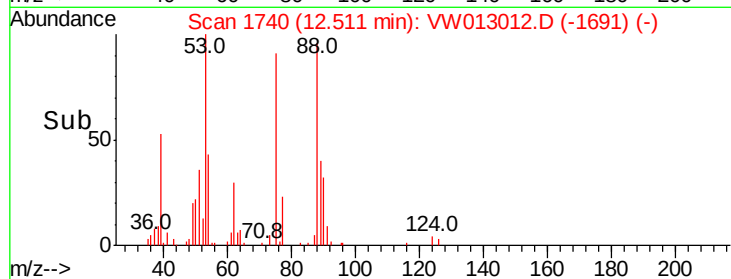
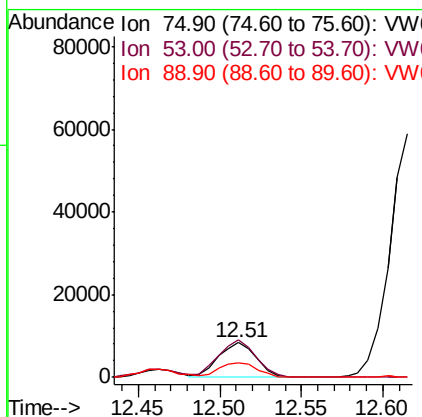
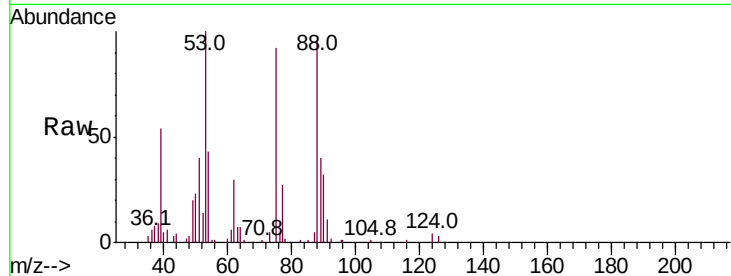




#81
 trans-1,4-Dichloro-2-butene
 Concen: 18.325 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

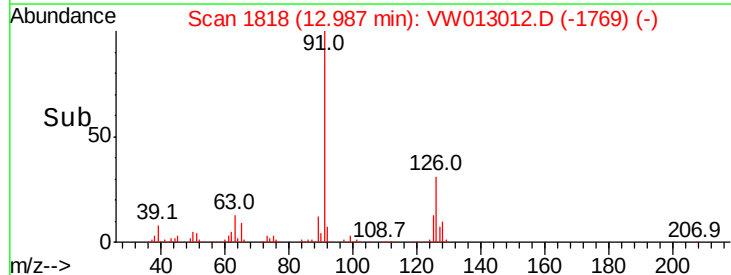
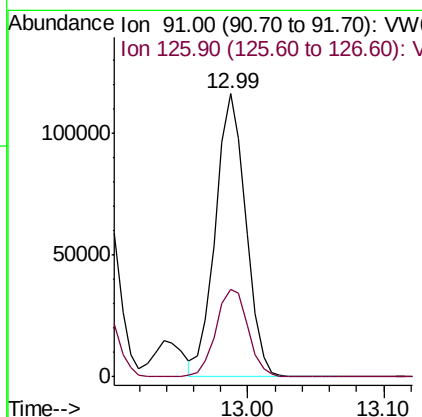
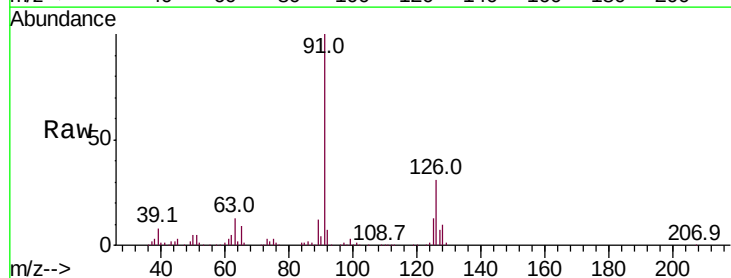
Instrument :
 MSVOA_W
 ClientSampleId :

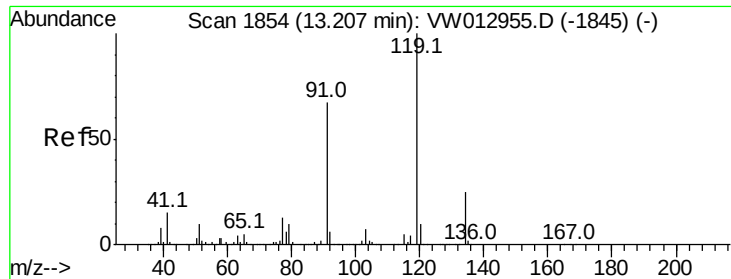
Tot Ion: 75 Resp: 13757
 Ion Ratio Lower Upper
 75 100
 53 105.9 85.6 128.4
 89 42.2 37.2 55.8



#82
 4-Chlorotoluene
 Concen: 19.569 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion: 91 Resp: 179929
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.1 48.3





#83

tert-Butylbenzene

Concen: 19.320 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampled :

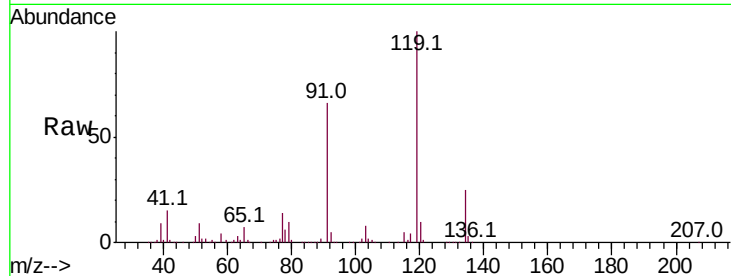
Tot Ion:119 Resp: 188407

Ion Ratio Lower Upper

119 100

91 65.2 32.6 98.0

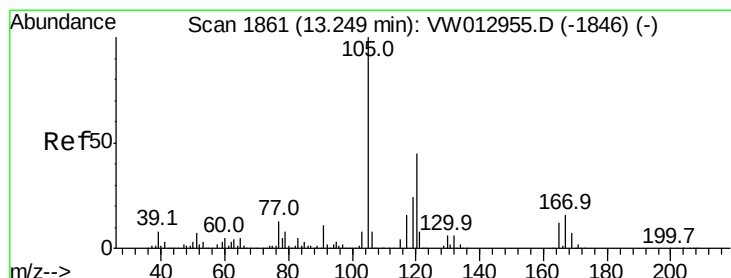
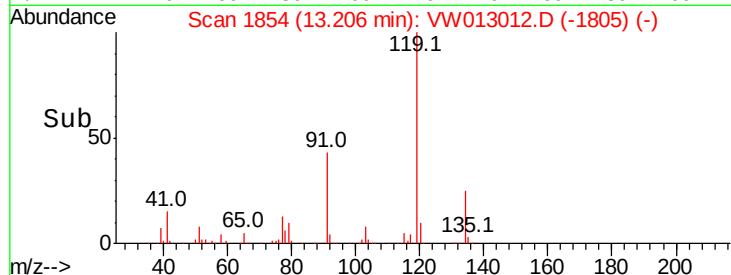
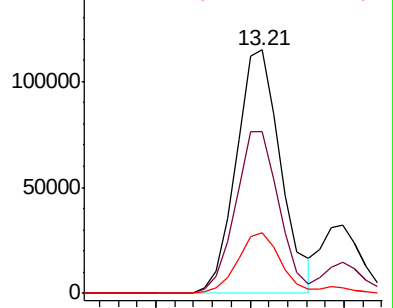
134 24.4 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.453 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013012.D

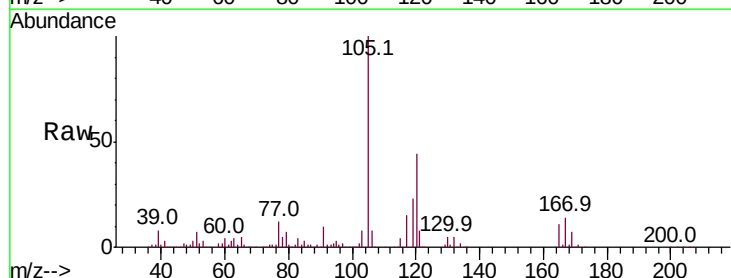
Acq: 15 Sep 2019 00:59

Tgt Ion:105 Resp: 209574

Ion Ratio Lower Upper

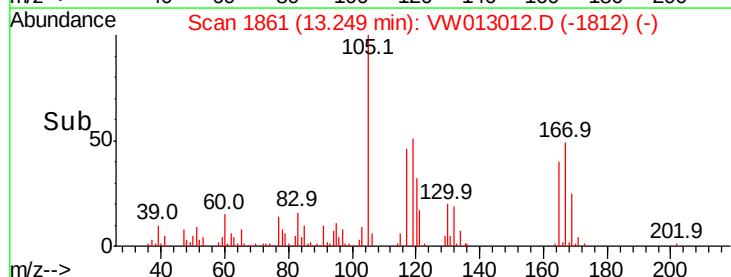
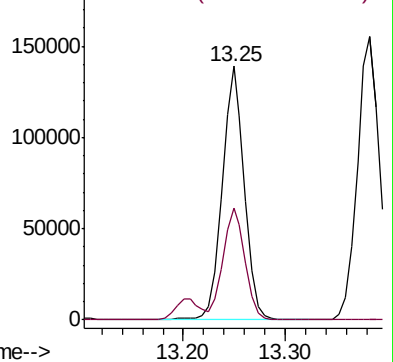
105 100

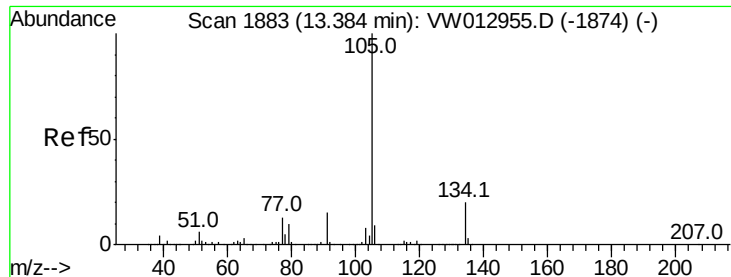
120 43.9 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.770 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

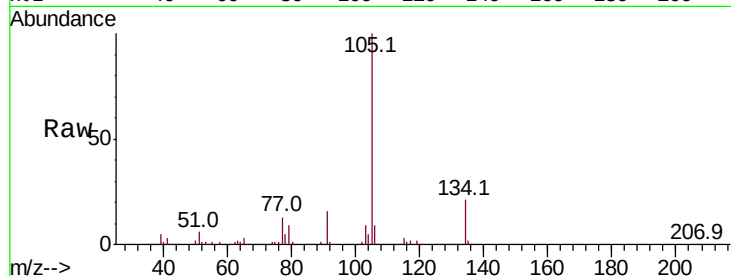
ClientSampleId :

Tot Ion:105 Resp: 236105

Ion Ratio Lower Upper

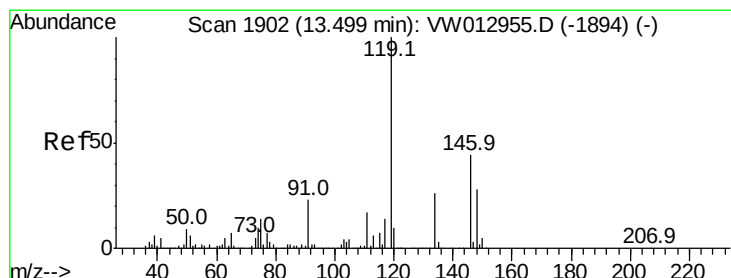
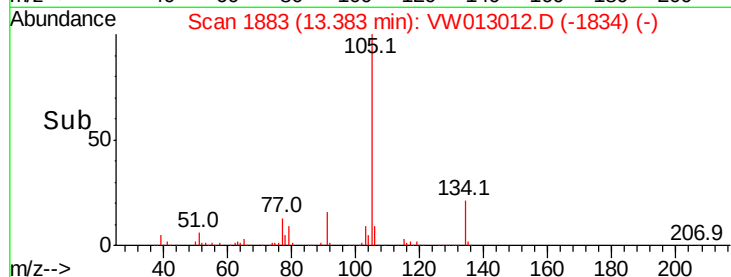
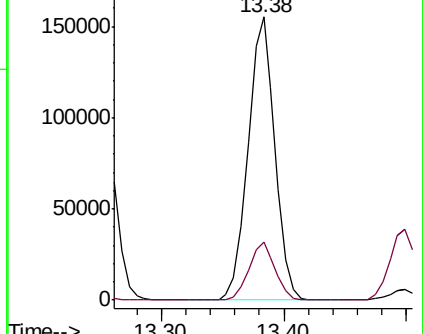
105 100

134 20.0 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.730 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

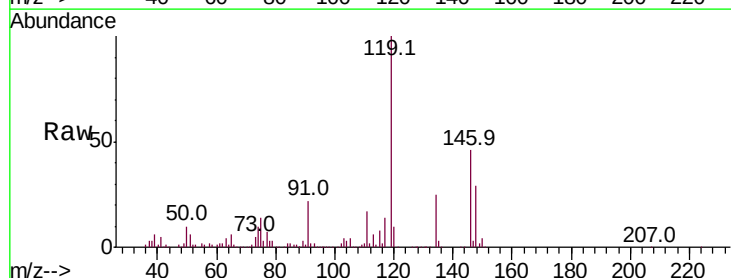
Tgt Ion:119 Resp: 228475

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

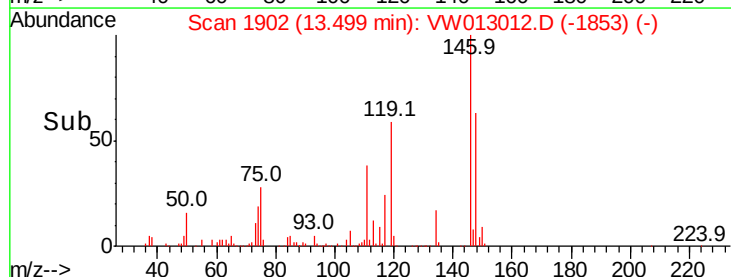
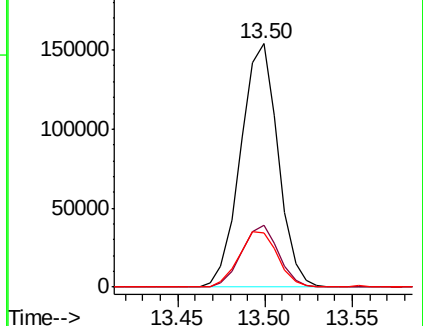
91 23.6 11.8 35.4

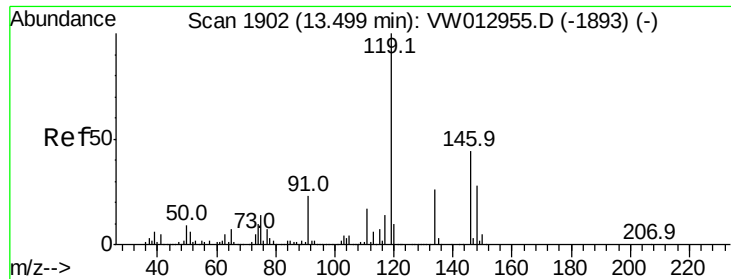


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.145 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

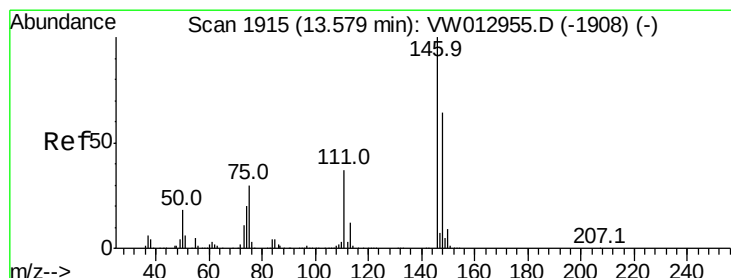
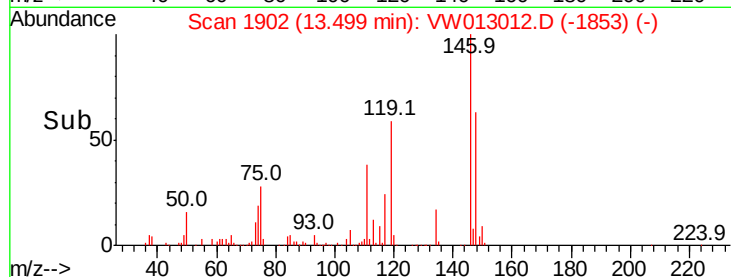
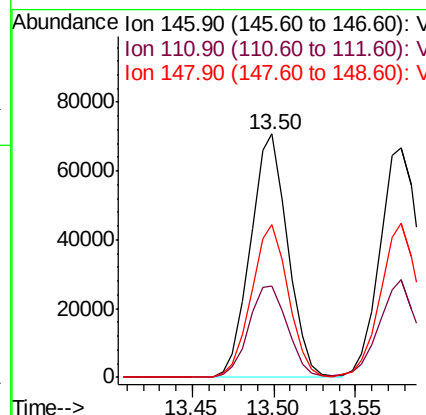
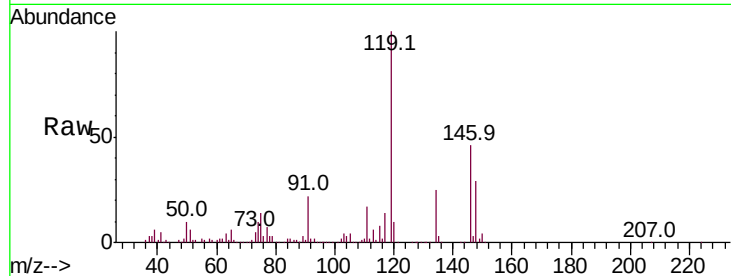
Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 112518

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	62.5	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 19.358 ug/l

RT: 13.58 min Scan# 1915

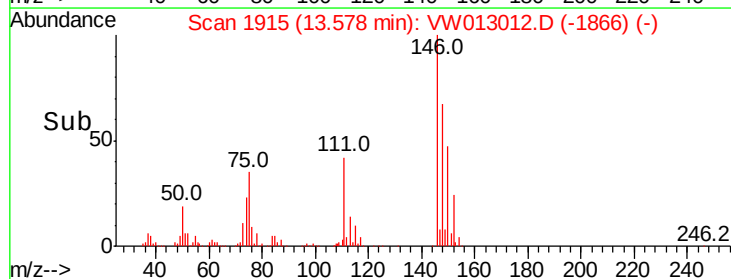
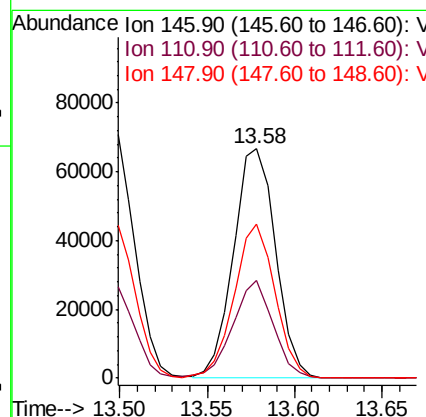
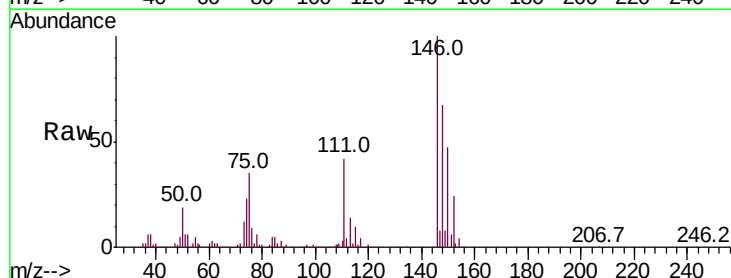
Delta R.T. -0.00 min

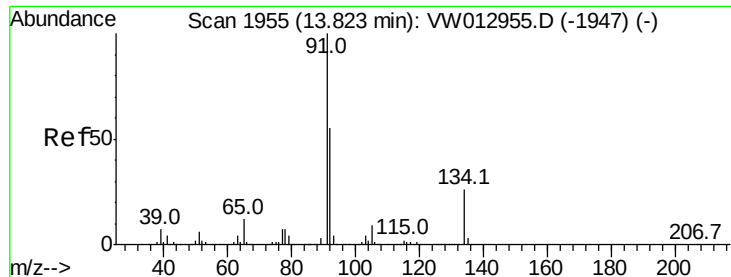
Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Tgt Ion:146 Resp: 111799

Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.4	58.2
148	65.2	31.9	95.5





#89

n-Butylbenzene

Concen: 18.204 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013012.D

Acq: 15 Sep 2019 00:59

Instrument :

MSVOA_W

ClientSampleId :

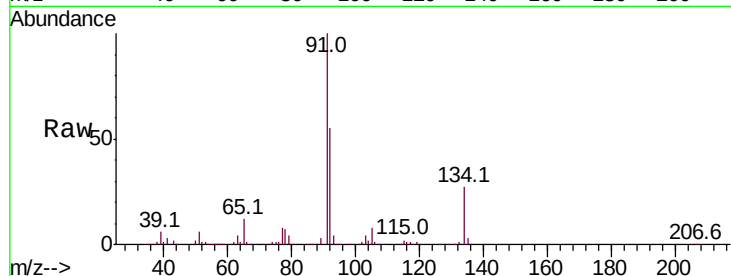
Tot Ion: 91 Resp: 209422

Ion Ratio Lower Upper

91 100

92 53.9 27.2 81.5

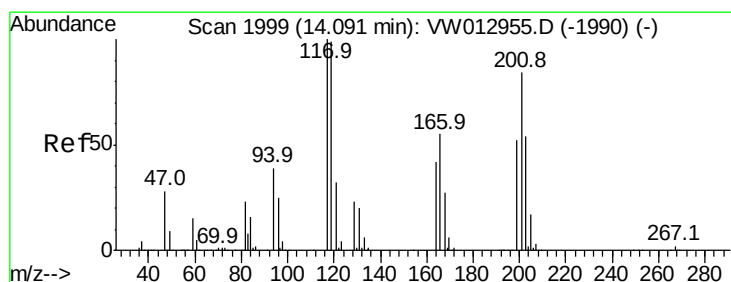
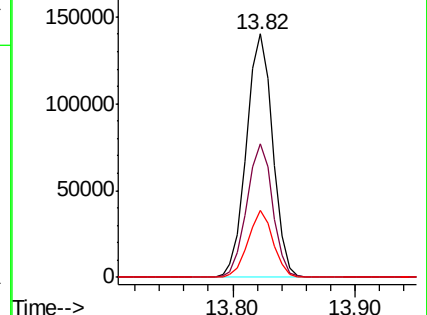
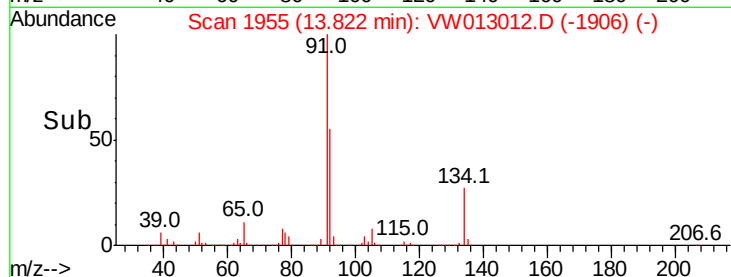
134 26.1 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.559 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013012.D

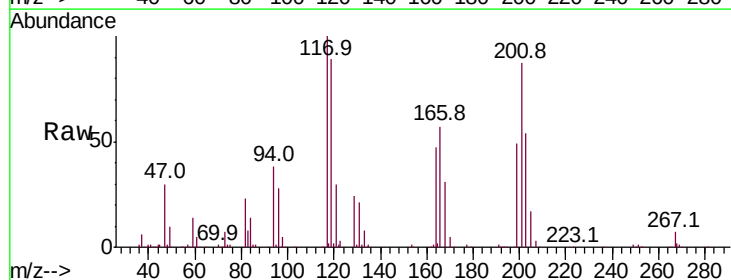
Acq: 15 Sep 2019 00:59

Tgt Ion: 117 Resp: 40570

Ion Ratio Lower Upper

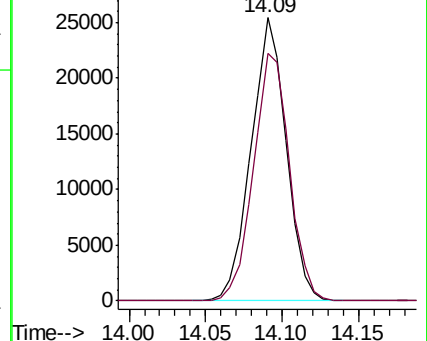
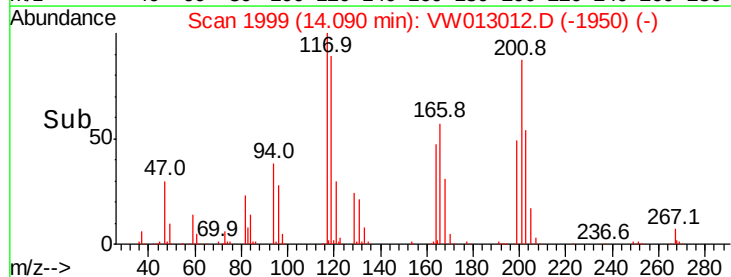
117 100

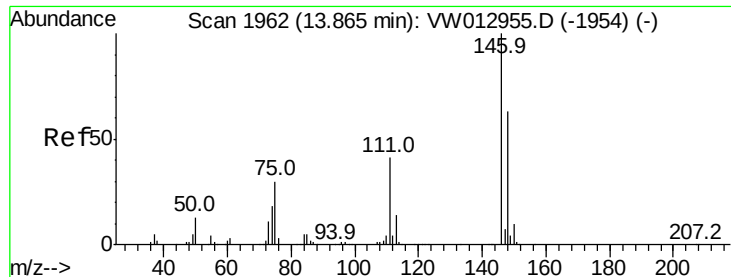
201 89.6 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

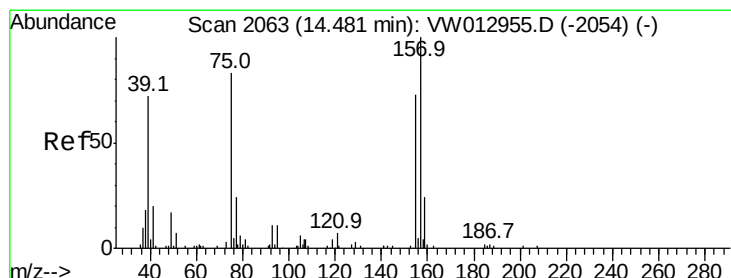
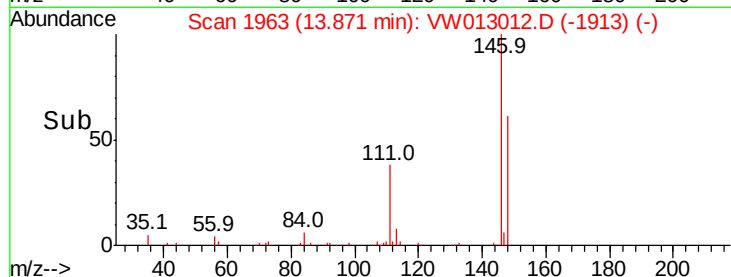
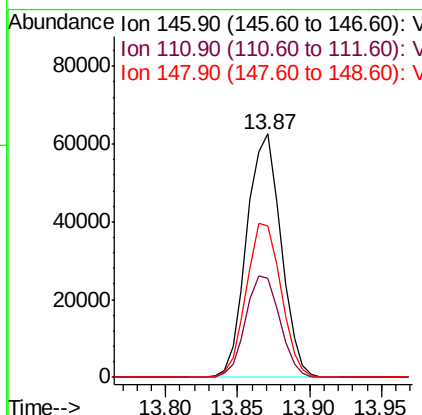
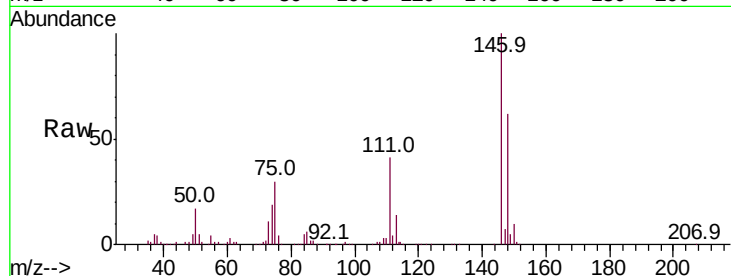




#91
 1,2-Dichlorobenzene
 Concen: 19.953 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

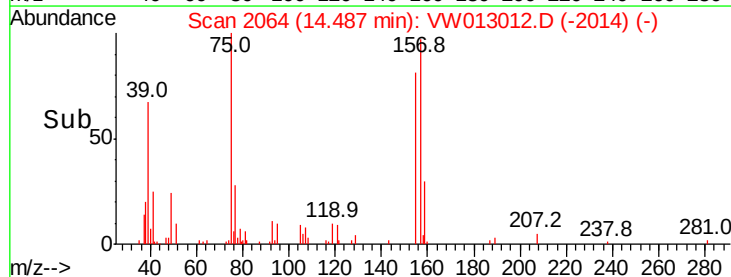
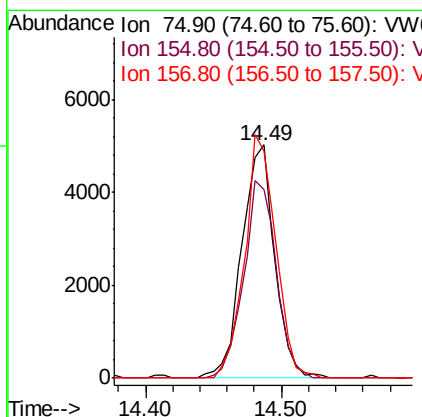
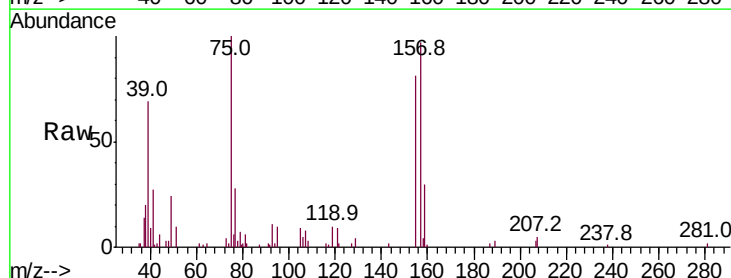
Instrument :
 MSVOA_W
 ClientSampleId :

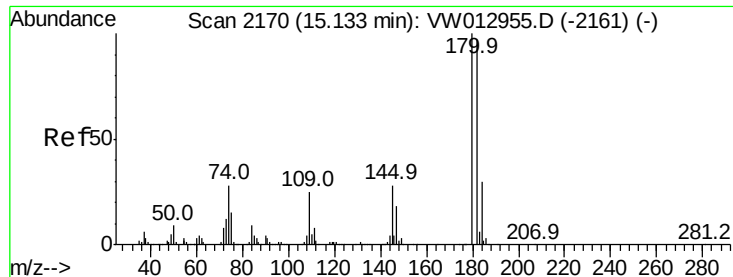
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.5
148	64.4	32.7	98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.403 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	43.3	129.9
157	99.4	54.7	164.1

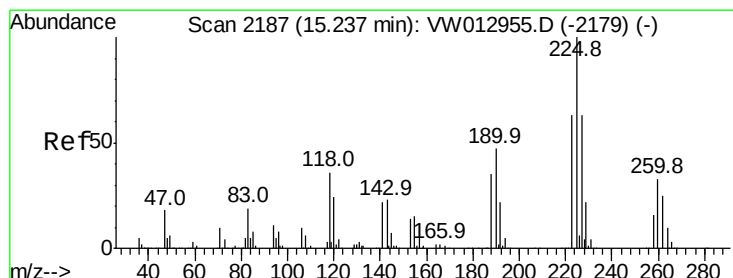
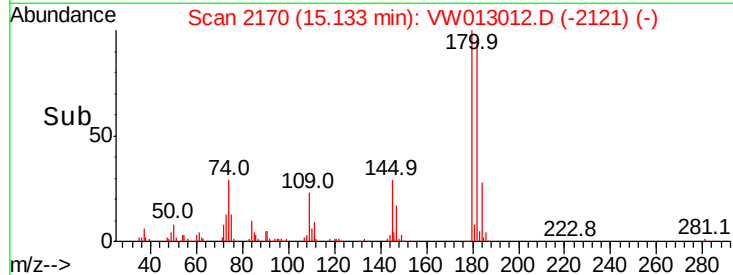
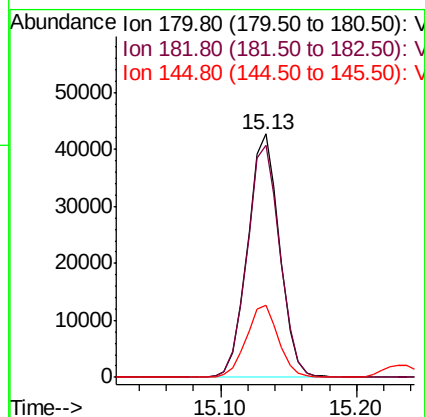
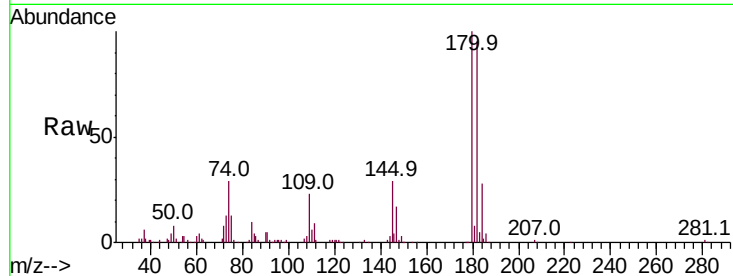




#93
 1,2,4-Trichlorobenzene
 Concen: 19.036 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

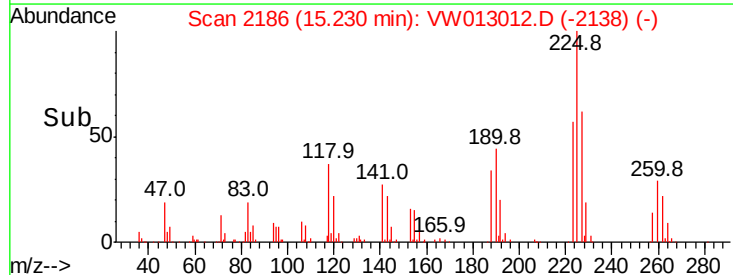
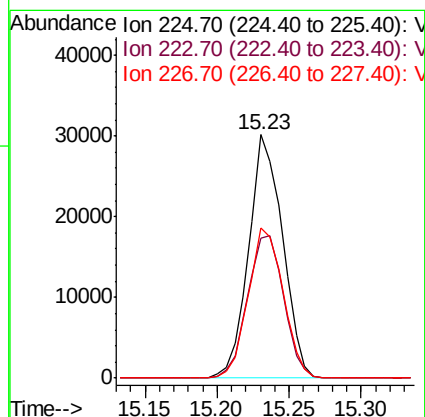
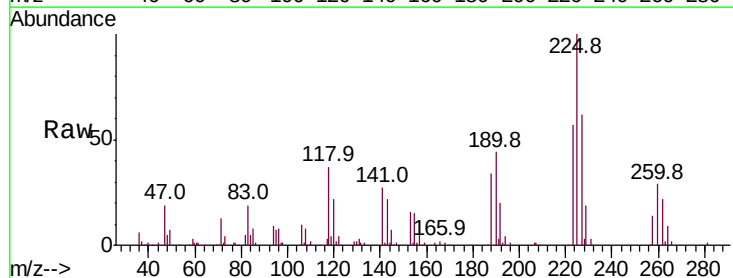
Instrument :
 MSVOA_W
 ClientSampleId :

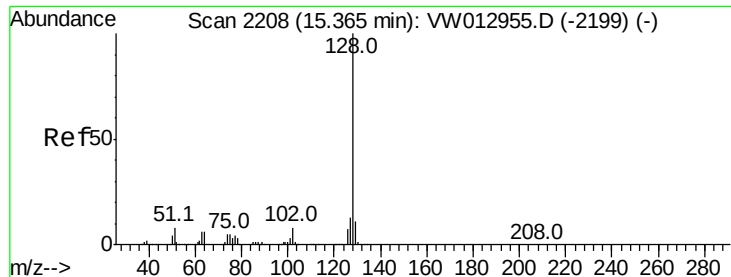
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.4	142.2
145	29.6	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 18.762 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013012.D
 Acq: 15 Sep 2019 00:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.8	95.3
227	63.7	31.3	93.8

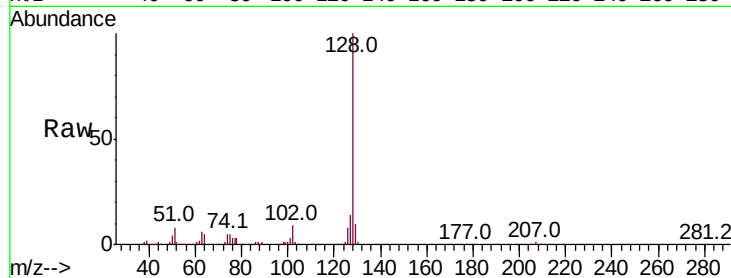




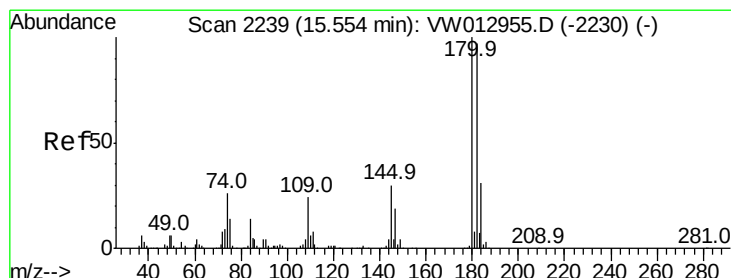
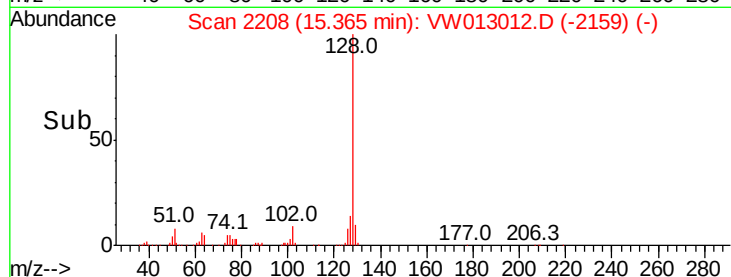
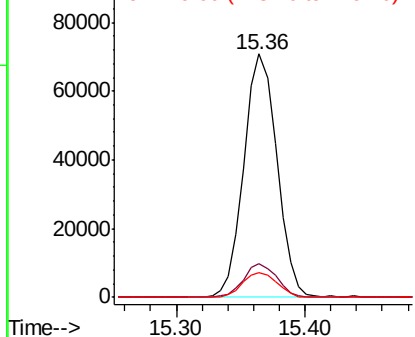
#95
Naphthalene
Concen: 20.437 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 125868
Ion Ratio Lower Upper
128 100
127 13.8 11.0 16.6
129 10.7 8.6 12.8

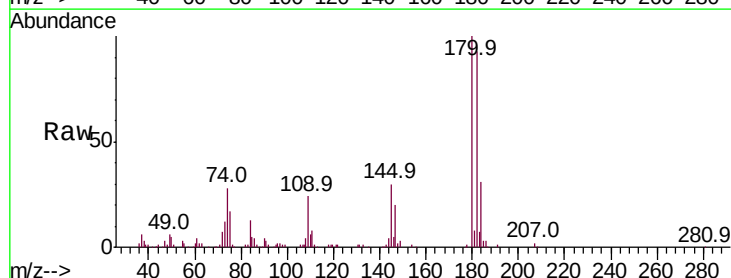


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.028 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013012.D
Acq: 15 Sep 2019 00:59

Tgt Ion:180 Resp: 65256
Ion Ratio Lower Upper
180 100
182 94.5 47.6 142.8
145 31.1 15.4 46.2



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

