

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012815.D
 Acq On : 09 Sep 2019 12:31
 Operator : SY/VA
 Sample : VW0909SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 13:21:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	169715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	133676	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	
35) Dibromofluoromethane	7.88	113	111486	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	10.32	98	464591	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.62	95	160741	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26067	17.937	ug/l	91
3) Chloromethane	2.21	50	36410	20.615	ug/l	95
4) Vinyl Chloride	2.35	62	45262	20.901	ug/l	94
5) Bromomethane	2.76	94	25156	21.393	ug/l	100
6) Chloroethane	2.89	64	24438	18.911	ug/l	89
7) Trichlorofluoromethane	3.23	101	27854	18.639	ug/l	96
8) Diethyl Ether	3.67	74	22339	17.786	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	44276	18.880	ug/l	97
10) Methyl Iodide	4.26	142	56849	19.257	ug/l	98
11) Tert butyl alcohol	5.21	59	14093	61.497	ug/l #	86
12) 1,1-Dichloroethene	4.02	96	41501	18.747	ug/l	98
13) Acrolein	3.89	56	16901	69.498	ug/l	100
14) Allyl chloride	4.65	41	82663	18.051	ug/l	98
15) Acrylonitrile	5.37	53	57766	78.745	ug/l	98
16) Acetone	4.13	43	56008	68.591	ug/l	96
17) Carbon Disulfide	4.37	76	86205	18.345	ug/l	99
18) Methyl Acetate	4.67	43	29666	15.485	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	77400	17.629	ug/l	96
20) Methylene Chloride	4.91	84	49407	19.340	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	45207	20.014	ug/l	99
22) Diisopropyl ether	6.31	45	168288	18.528	ug/l	94
23) Vinyl Acetate	6.24	43	493262	85.693	ug/l	99
24) 1,1-Dichloroethane	6.20	63	93414	19.101	ug/l	97
25) 2-Butanone	7.18	43	77610	79.150	ug/l	100
26) 2,2-Dichloropropane	7.16	77	57063	18.474	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	51512	19.668	ug/l	96
28) Bromochloromethane	7.51	49	38885	17.316	ug/l	93
29) Tetrahydrofuran	7.53	42	49463	75.012	ug/l	98
30) Chloroform	7.67	83	92064	18.995	ug/l	97
31) Cyclohexane	7.95	56	83666	19.003	ug/l	90
32) 1,1,1-Trichloroethane	7.87	97	75300	19.166	ug/l	98
36) 1,1-Dichloropropene	8.07	75	70561	20.043	ug/l	98
37) Ethyl Acetate	7.26	43	36490	16.259	ug/l	99
38) Carbon Tetrachloride	8.06	117	67135	19.345	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	79187	20.027	ug/l	97
40) Benzene	8.32	78	194253	19.887	ug/l	98
41) Methacrylonitrile	7.48	41	22020	17.165	ug/l	95
42) 1,2-Dichloroethane	8.40	62	62319	18.128	ug/l	97
43) Isopropyl Acetate	8.42	43	67603	15.900	ug/l	97
44) Trichloroethene	9.09	130	51830	20.585	ug/l	91
45) 1,2-Dichloropropane	9.37	63	50602	18.678	ug/l	96
46) Dibromomethane	9.45	93	24260	18.911	ug/l	99
47) Bromodichloromethane	9.64	83	64400	18.246	ug/l	94
48) Methyl methacrylate	9.43	41	31936	15.717	ug/l	95
49) 1,4-Dioxane	9.48	88	6916	272.924	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	174262	78.107	ug/l	100
52) Toluene	10.38	92	121685	19.960	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	65452	18.035	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	77115	18.730	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	35601	18.536	ug/l	98
56) Ethyl methacrylate	10.65	69	49130	17.475	ug/l	96
57) 1,3-Dichloropropane	10.93	76	64014	18.016	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	133646	89.544	ug/l	99
59) 2-Hexanone	10.97	43	121485	74.531	ug/l	100
60) Dibromochloromethane	11.13	129	40741	18.037	ug/l	100
61) 1,2-Dibromoethane	11.23	107	32967	18.723	ug/l	99
64) Tetrachloroethene	10.86	164	42338	20.268	ug/l	98
65) Chlorobenzene	11.66	112	126708	19.474	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46820	19.323	ug/l	98
67) Ethyl Benzene	11.73	91	242321	19.850	ug/l	100
68) m/p-Xylenes	11.83	106	177837	40.358	ug/l	99
69) o-Xylene	12.16	106	83020	19.970	ug/l	98
70) Styrene	12.18	104	147264	20.047	ug/l	98
71) Bromoform	12.35	173	23839	17.708	ug/l #	98
73) Isopropylbenzene	12.46	105	242733	19.941	ug/l	100
74) N-amyl acetate	12.27	43	60479	15.653	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	40473	16.556	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	54360	31.324	ug/l #	100
77) Bromobenzene	12.74	156	53001	19.219	ug/l	94
78) n-propylbenzene	12.80	91	283153	19.450	ug/l	99
79) 2-Chlorotoluene	12.89	91	163010	19.505	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	204654	19.953	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12437	15.158	ug/l	95
82) 4-Chlorotoluene	12.99	91	171208	19.367	ug/l	99
83) tert-Butylbenzene	13.21	119	181246	19.985	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	203674	19.707	ug/l	100
85) sec-Butylbenzene	13.38	105	250351	19.893	ug/l	99
86) p-Isopropyltoluene	13.50	119	226326	19.689	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	105271	19.421	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	104968	19.461	ug/l	99
89) n-Butylbenzene	13.82	91	219558	19.674	ug/l	99
90) Hexachloroethane	14.09	117	37993	18.932	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	93853	19.237	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6575	14.697	ug/l	95

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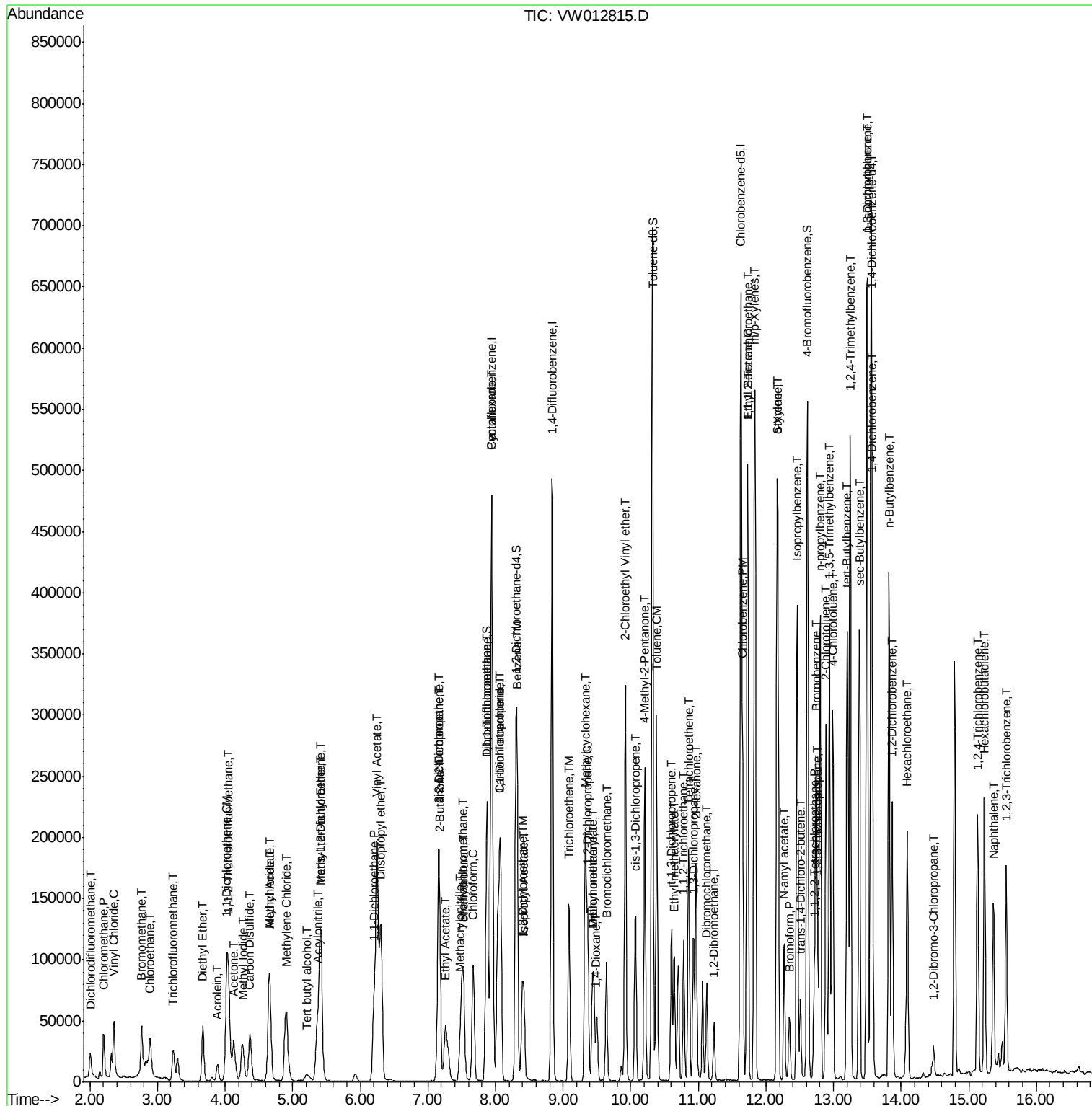
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69542	20.473	ug/l	97
94) Hexachlorobutadiene	15.23	225	47416	20.167	ug/l	98
95) Naphthalene	15.36	128	114835	19.135	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	59241	19.758	ug/l	99

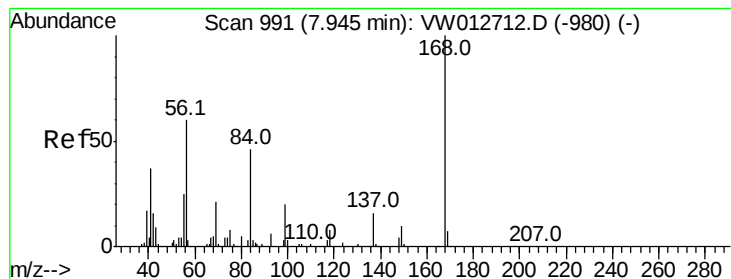
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

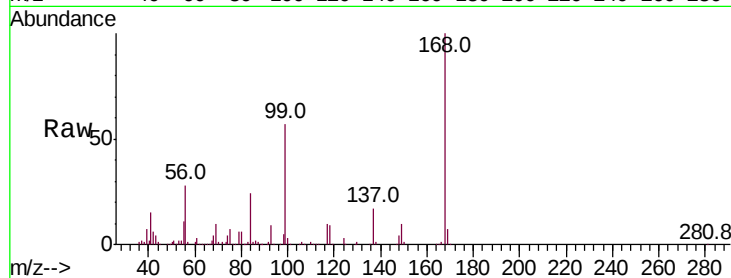
ClientSampled :

Tot Ion:168 Resp: 268068

Ion Ratio Lower Upper

168 100

99 57.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

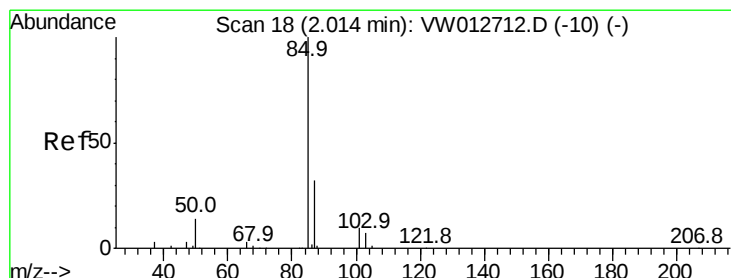
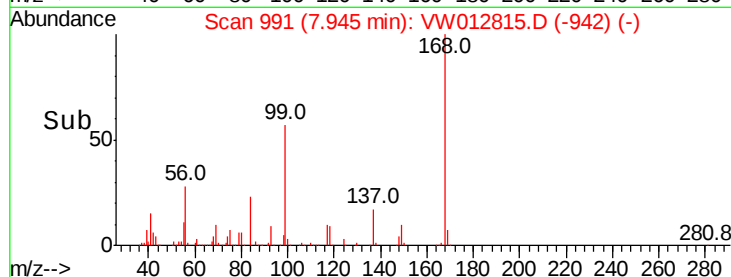
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 17.937 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012815.D

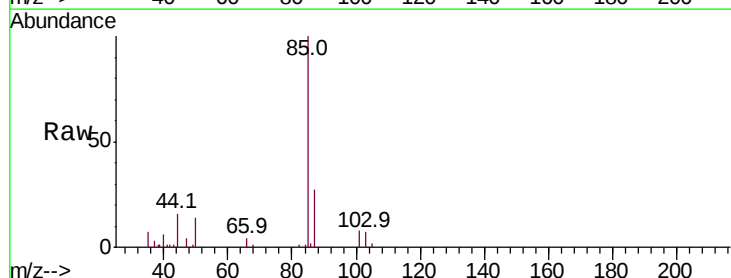
Acq: 09 Sep 2019 12:31

Tgt Ion: 85 Resp: 26067

Ion Ratio Lower Upper

85 100

87 26.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

6000

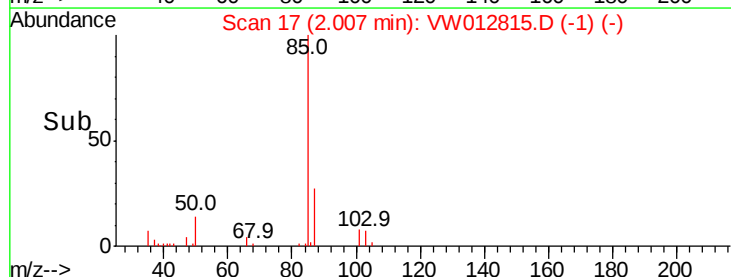
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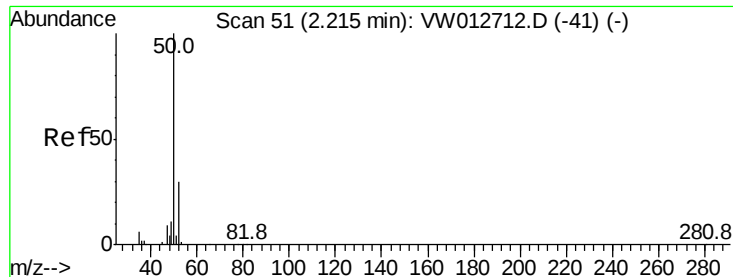
2000

0

Time-->

1.95 2.00 2.05 2.10

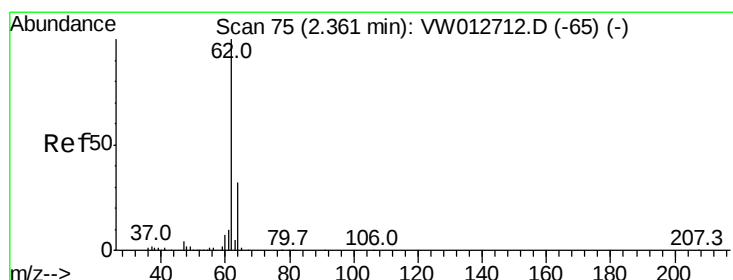
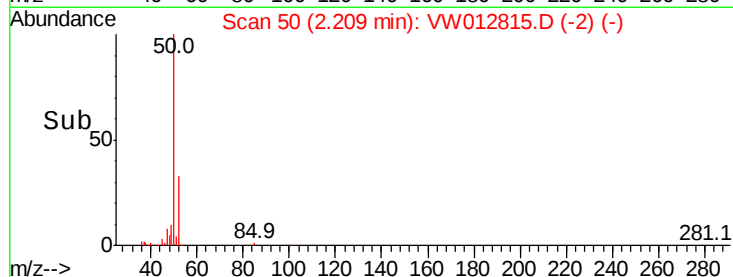
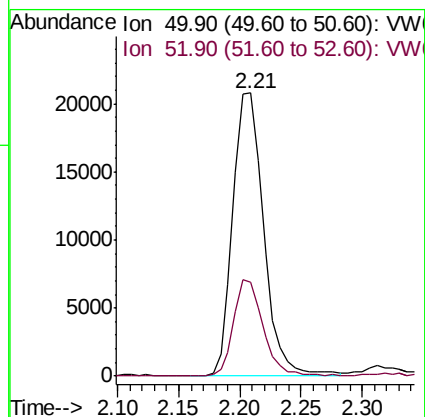
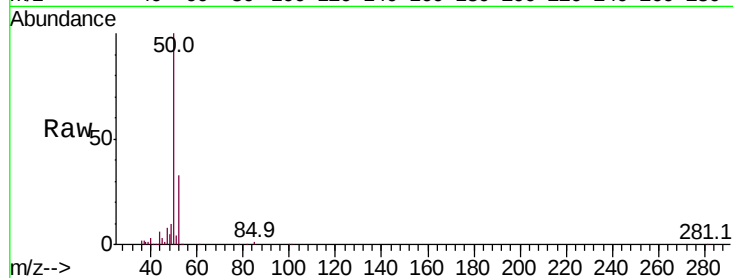




#3
Chloromethane
Concen: 20.615 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

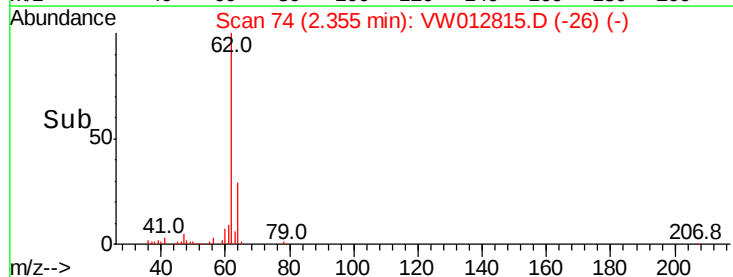
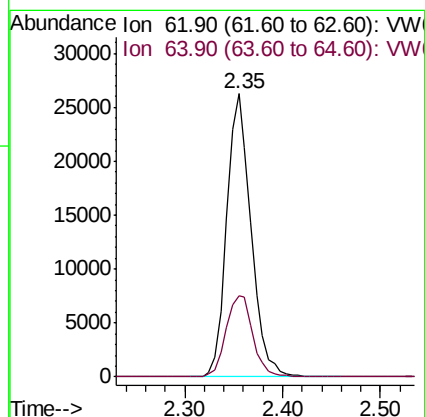
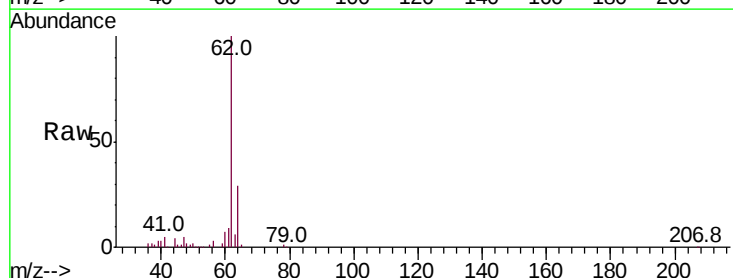
Instrument :
MSVOA_W
ClientSampleId :

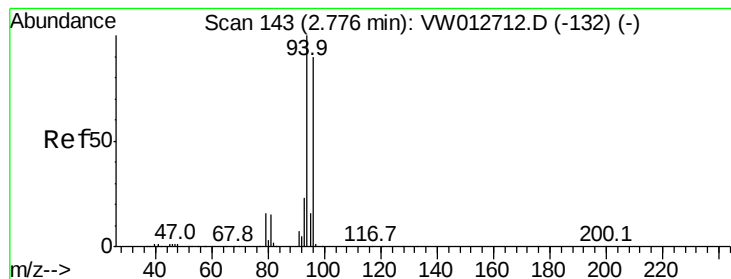
Tot Ion: 50 Resp: 36410
Ion Ratio Lower Upper
50 100
52 33.0 24.2 36.2



#4
Vinyl Chloride
Concen: 20.901 ug/l
RT: 2.35 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion: 62 Resp: 45262
Ion Ratio Lower Upper
62 100
64 28.5 25.3 37.9





#5

Bromomethane

Concen: 21.393 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

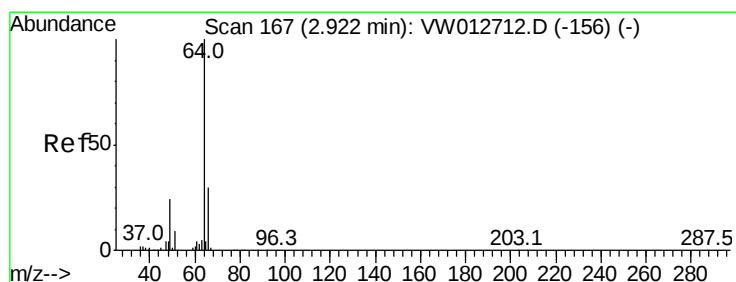
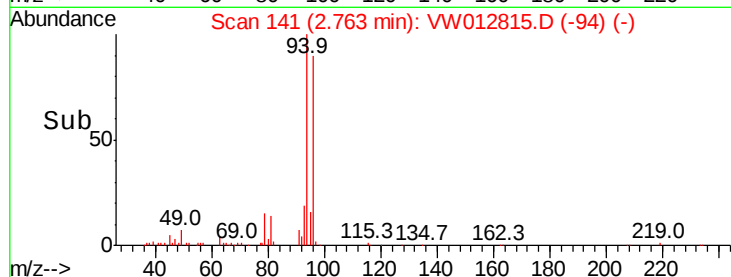
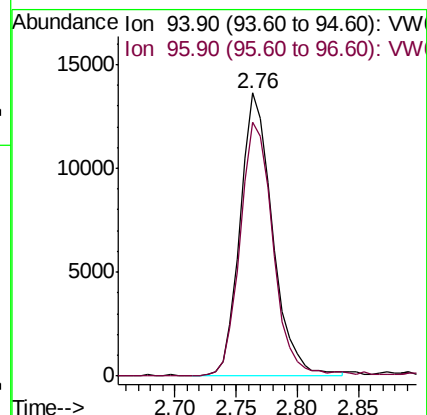
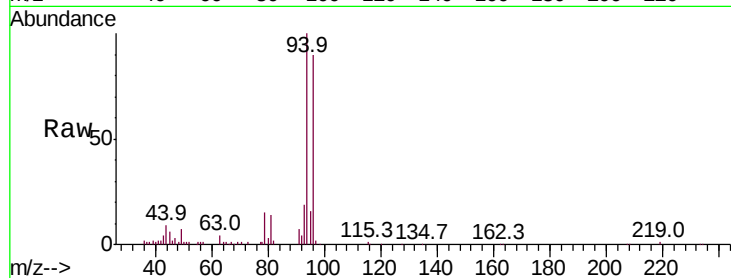
ClientSampleId :

Tot Ion: 94 Resp: 25156

Ion Ratio Lower Upper

94 100

96 89.7 72.1 108.1



#6

Chloroethane

Concen: 18.911 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.03 min

Lab File: VW012815.D

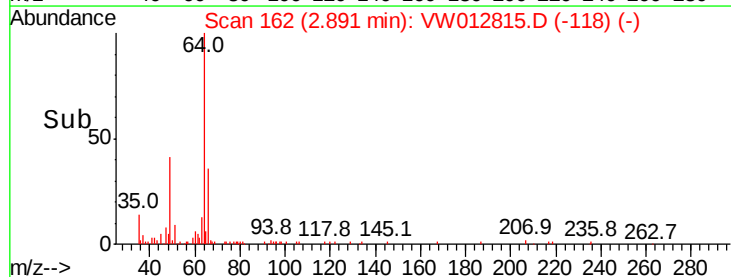
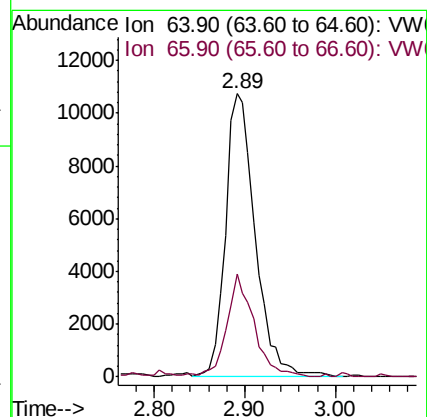
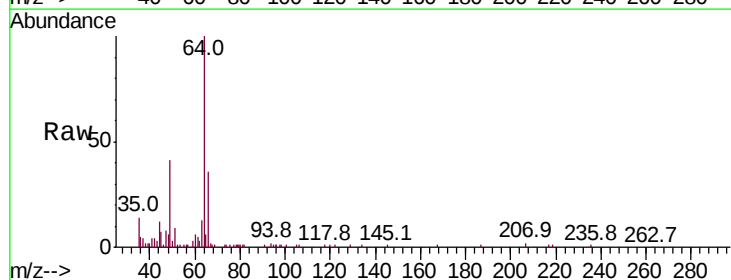
Acq: 09 Sep 2019 12:31

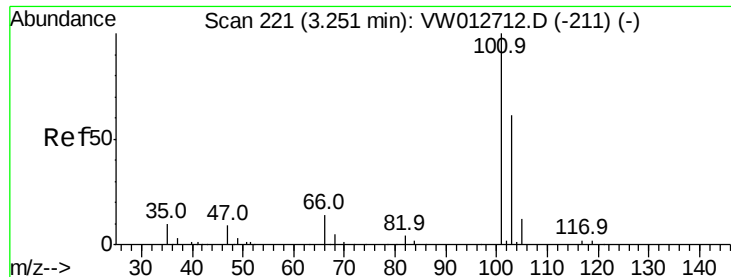
Tgt Ion: 64 Resp: 24438

Ion Ratio Lower Upper

64 100

66 35.4 23.8 35.6



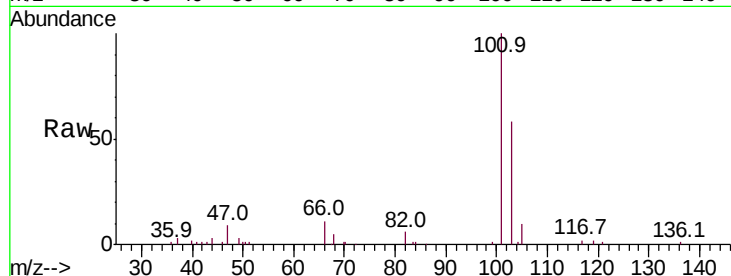


#7

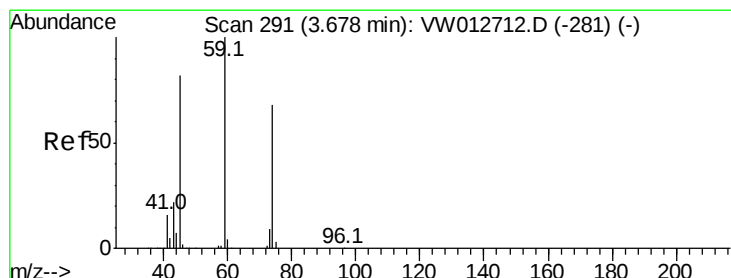
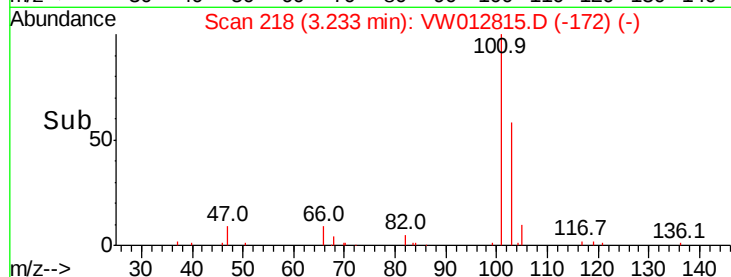
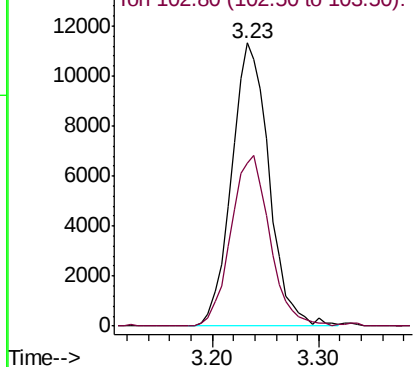
Trichlorofluoromethane
Concen: 18.639 ug/l
RT: 3.23 min Scan# 218
Delta R.T. -0.02 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 27854
Ion Ratio Lower Upper
101 100
103 57.8 49.0 73.4



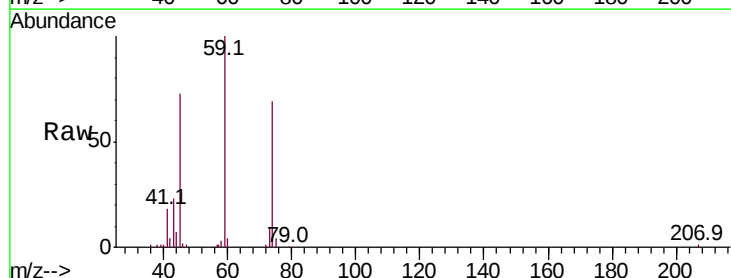
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



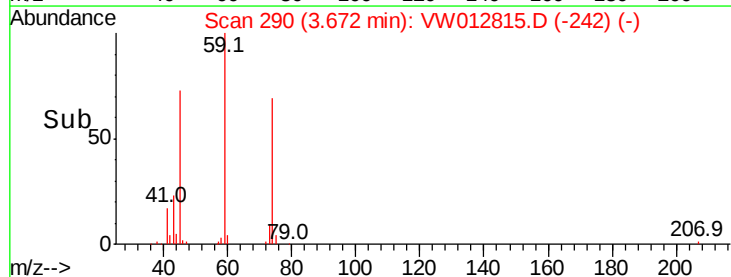
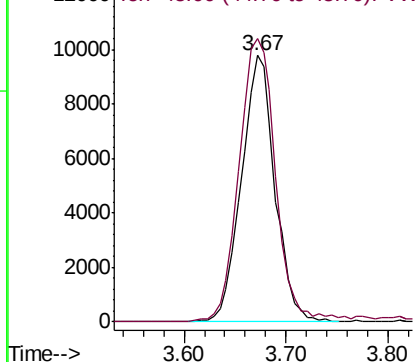
#8

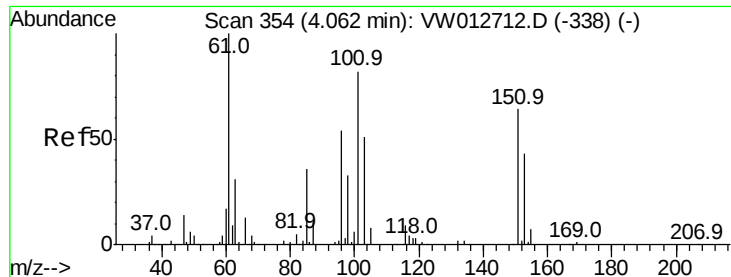
Diethyl Ether
Concen: 17.786 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion: 74 Resp: 22339
Ion Ratio Lower Upper
74 100
45 116.5 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.880 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

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ClientSampleId :

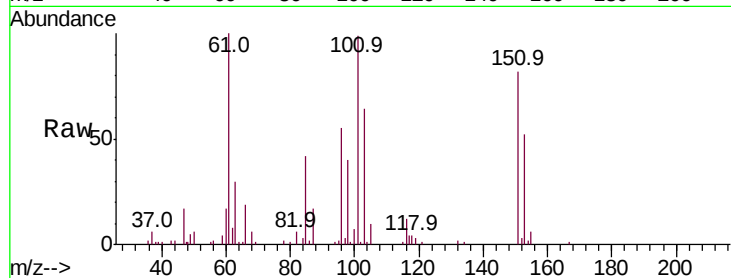
Tot Ion:101 Resp: 44276

Ion Ratio Lower Upper

101 100

85 44.0 36.2 54.2

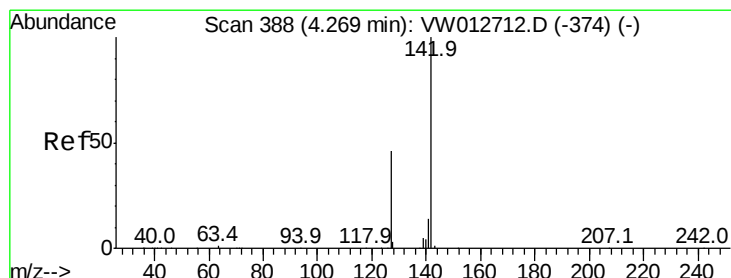
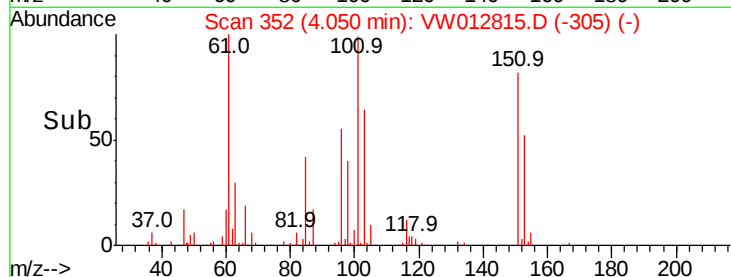
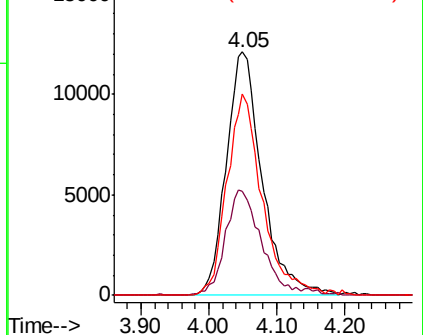
151 81.3 61.9 92.9



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: 19.257 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

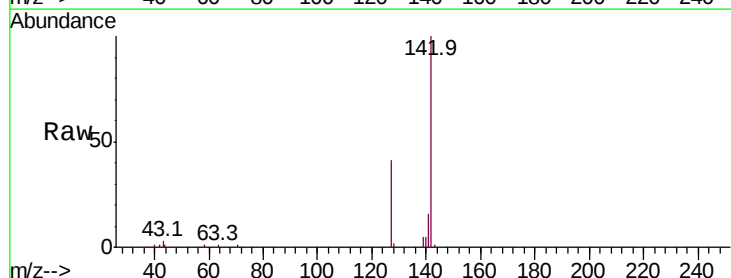
Tgt Ion:142 Resp: 56849

Ion Ratio Lower Upper

142 100

127 43.3 36.0 54.0

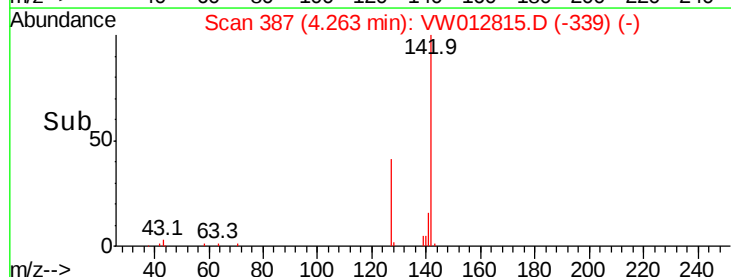
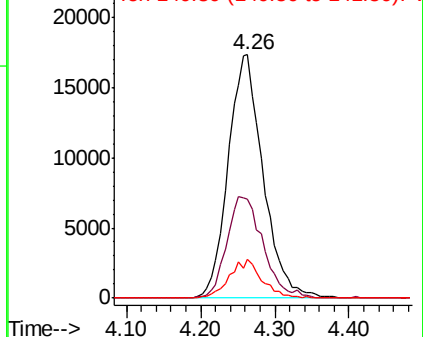
141 14.7 12.2 18.4

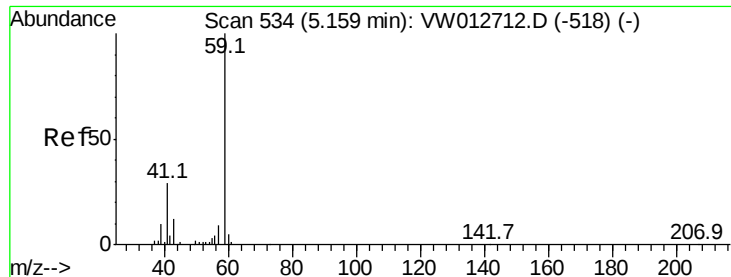


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

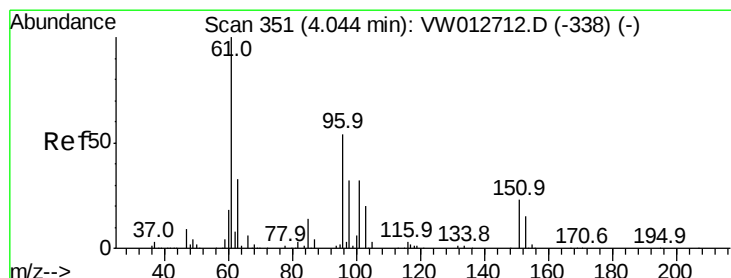
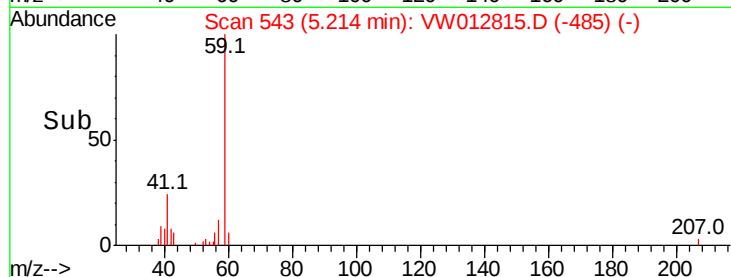
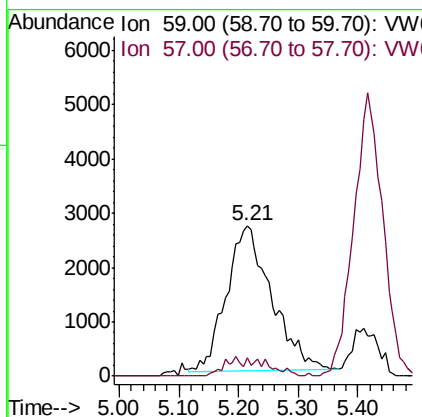
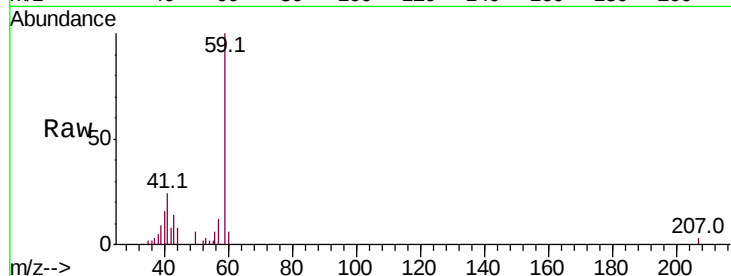




#11
Tert butyl alcohol
Concen: 61.497 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.05 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

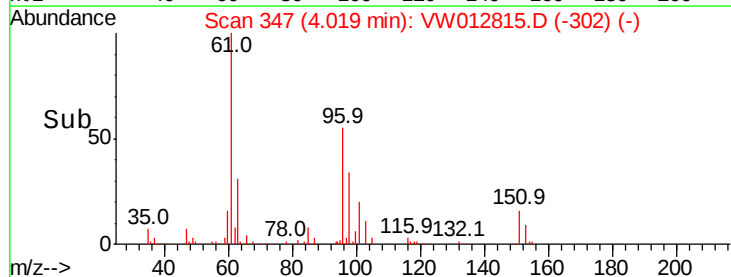
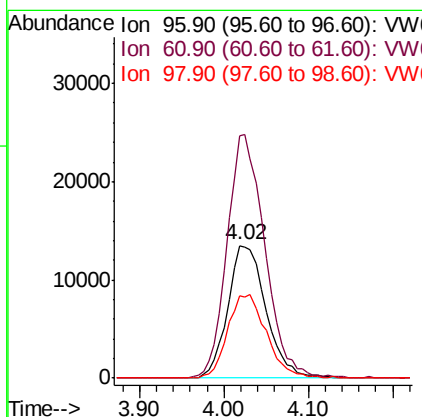
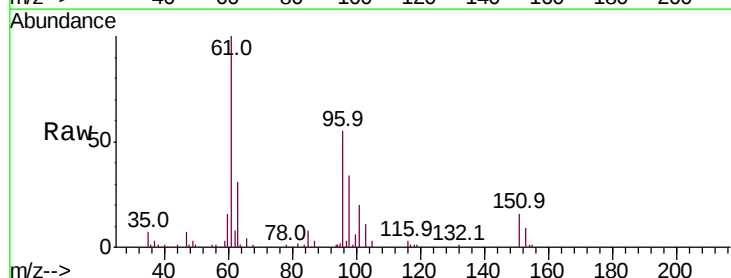
Instrument :
MSVOA_W
ClientSampled :

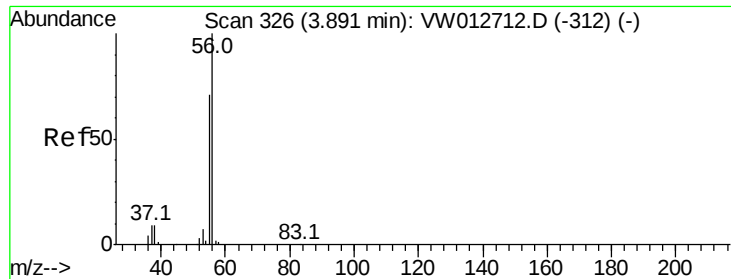
Tot Ion: 59 Resp: 14093
Ion Ratio Lower Upper
59 100
57 5.1 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 18.747 ug/l
RT: 4.02 min Scan# 347
Delta R.T. -0.02 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion: 96 Resp: 41501
Ion Ratio Lower Upper
96 100
61 182.6 147.8 221.6
98 62.0 47.9 71.9





#13

Acrolein

Concen: 69.498 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

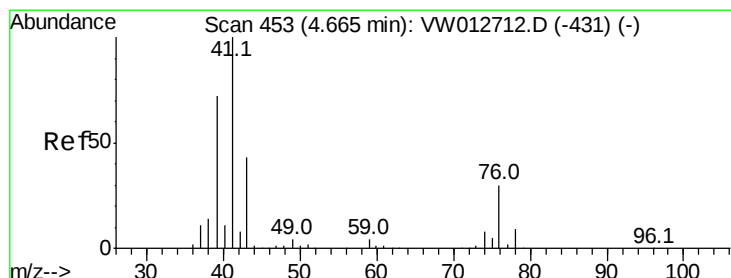
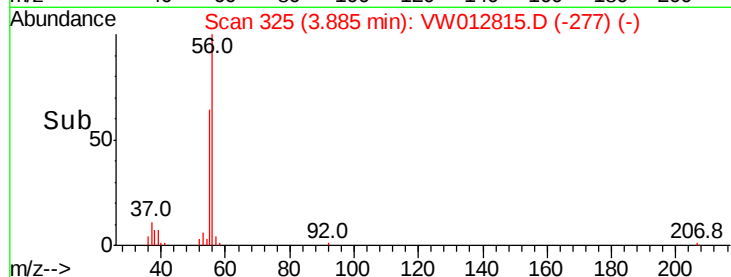
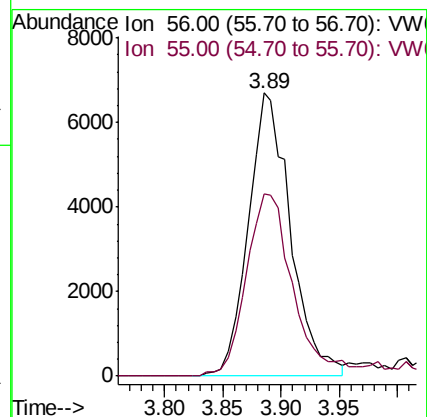
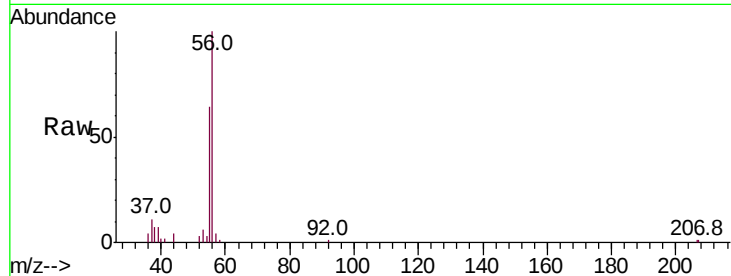
ClientSampleId :

Tot Ion: 56 Resp: 16901

Ion Ratio Lower Upper

56 100

55 71.2 56.9 85.3



#14

Allyl chloride

Concen: 18.051 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

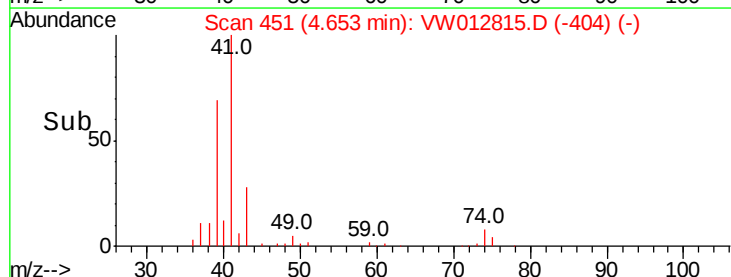
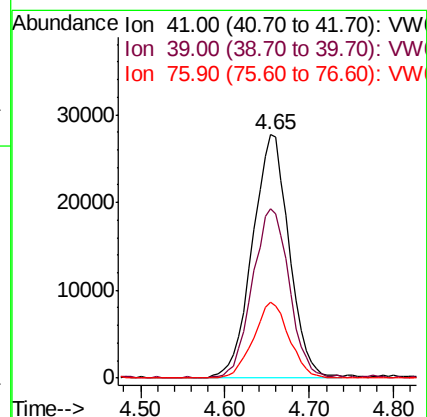
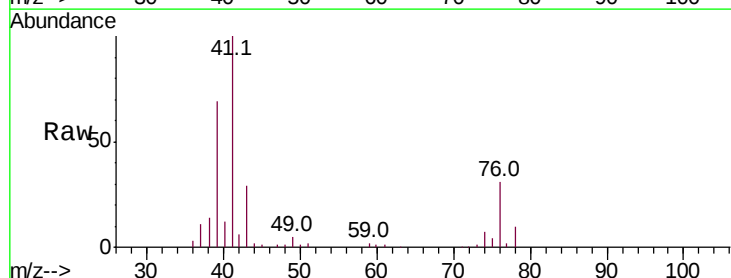
Tgt Ion: 41 Resp: 82663

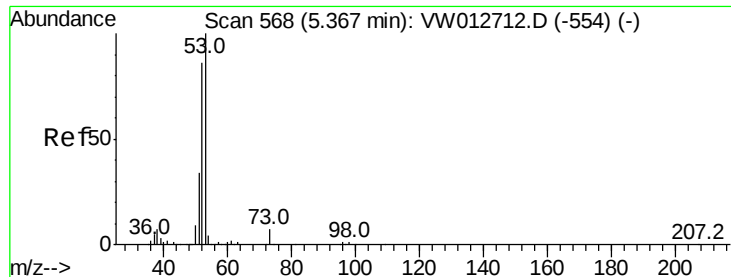
Ion Ratio Lower Upper

41 100

39 69.7 55.0 82.6

76 30.2 23.0 34.4





#15

Acrylonitrile

Concen: 78.745 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

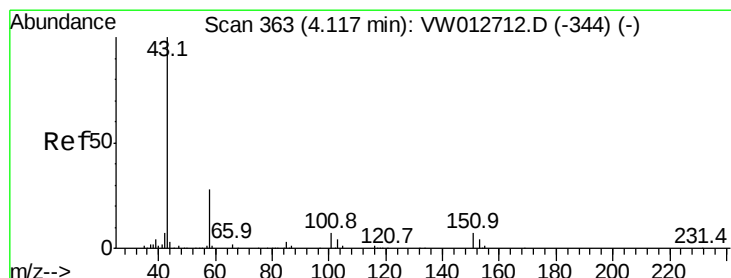
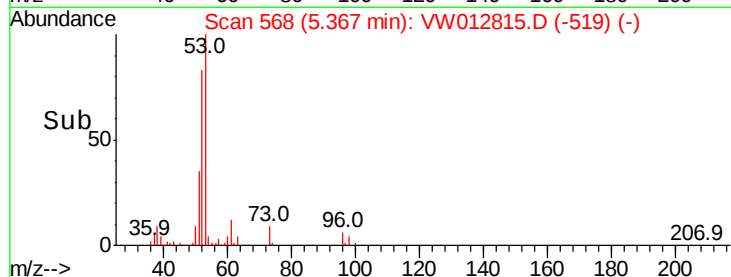
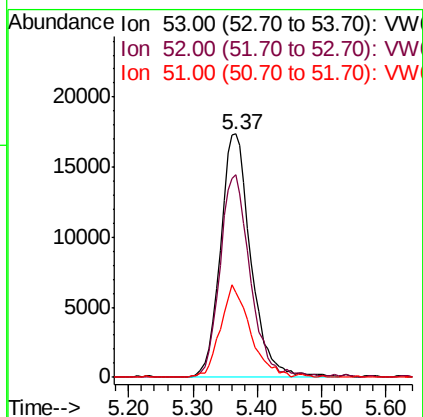
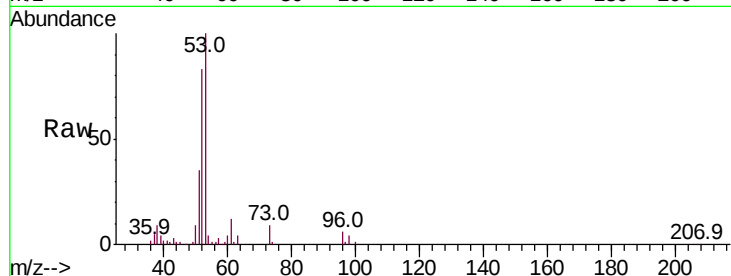
Tot Ion: 53 Resp: 57766

Ion Ratio Lower Upper

53 100

52 81.3 67.0 100.4

51 37.1 29.8 44.8



#16

Acetone

Concen: 68.591 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012815.D

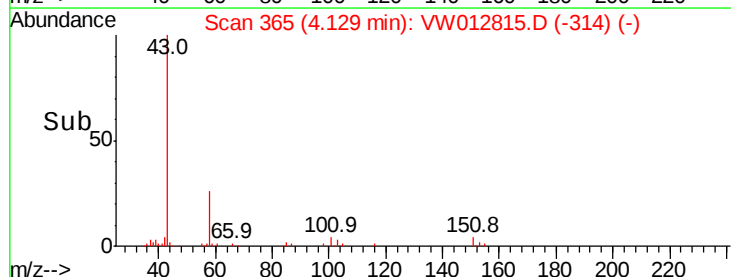
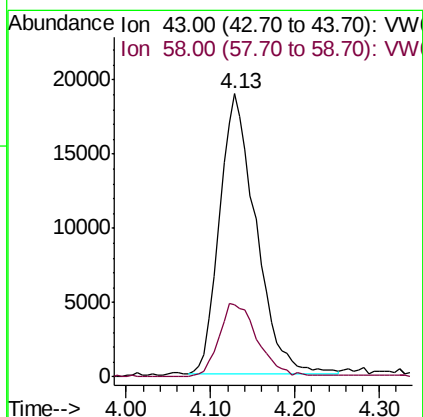
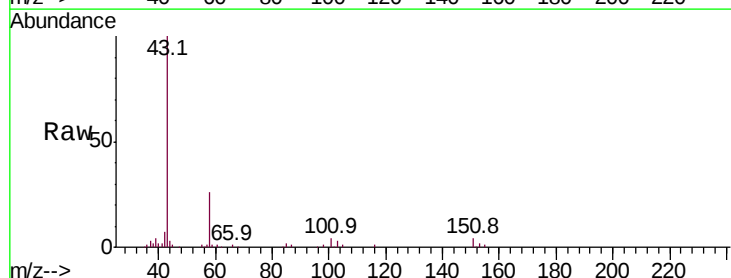
Acq: 09 Sep 2019 12:31

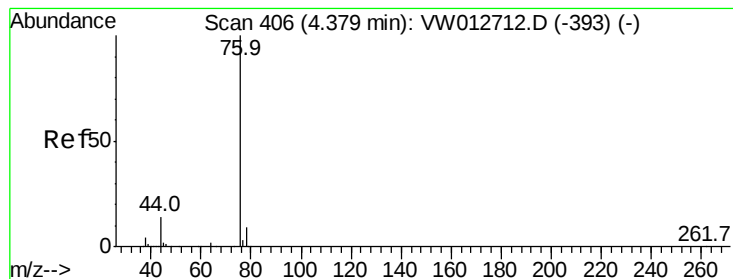
Tgt Ion: 43 Resp: 56008

Ion Ratio Lower Upper

43 100

58 25.9 22.6 33.8





#17

Carbon Disulfide

Concen: 18.345 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

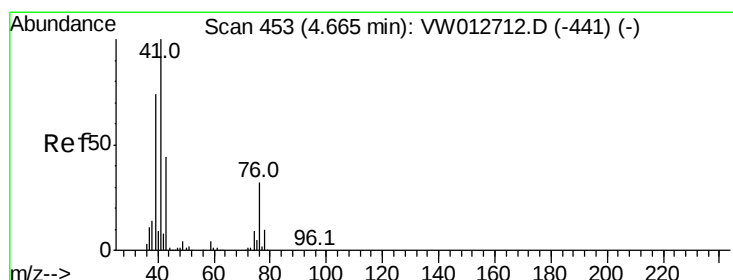
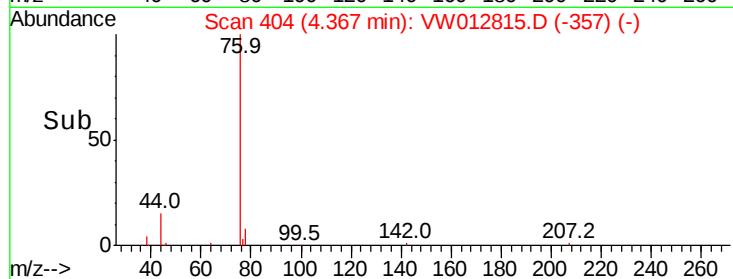
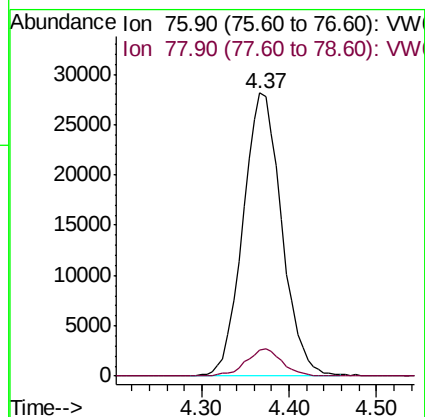
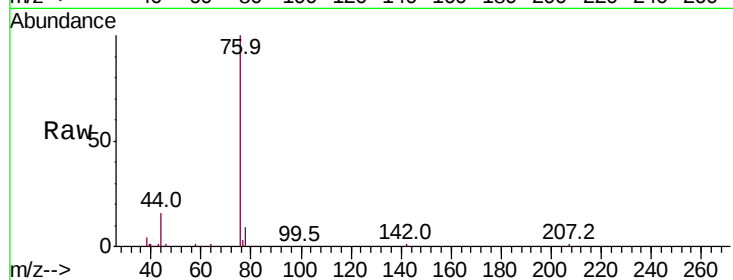
ClientSampleId :

Tot Ion: 76 Resp: 86205

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



#18

Methyl Acetate

Concen: 15.485 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012815.D

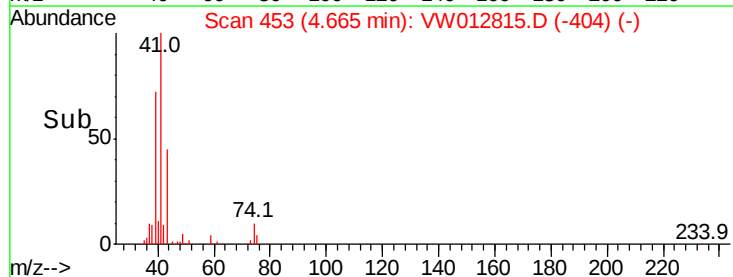
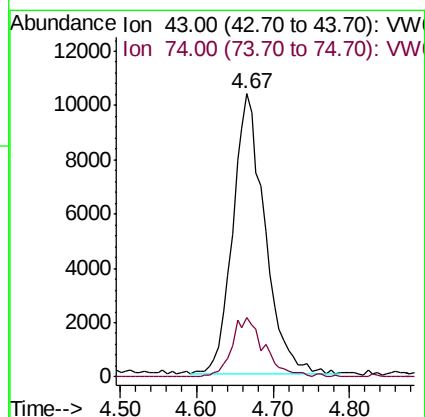
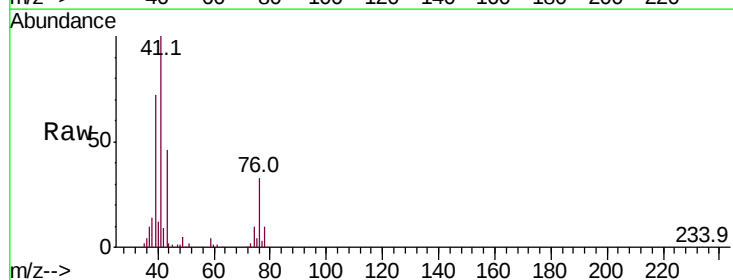
Acq: 09 Sep 2019 12:31

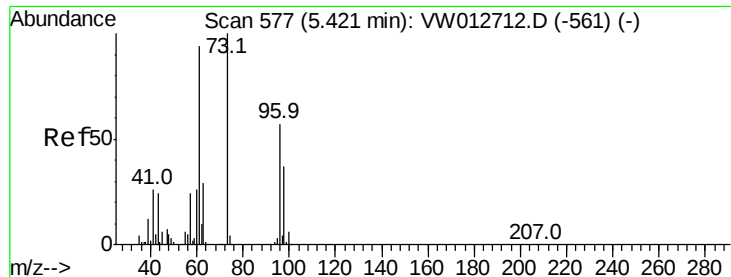
Tgt Ion: 43 Resp: 29666

Ion Ratio Lower Upper

43 100

74 21.6 15.8 23.6

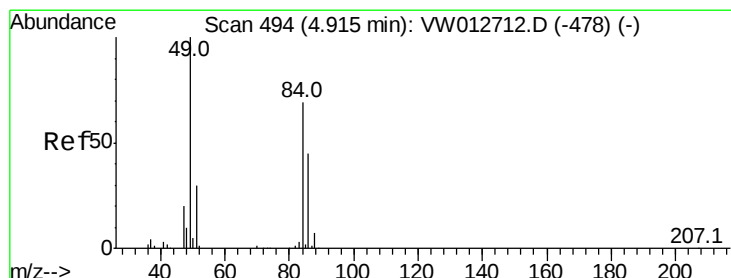
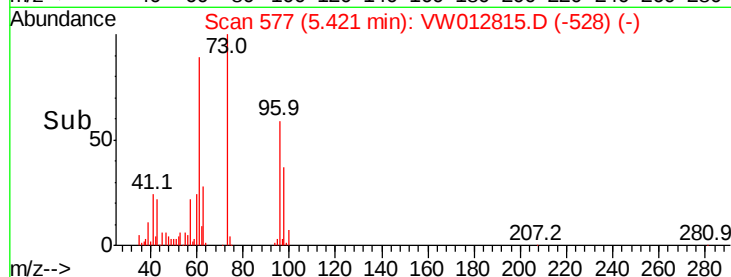
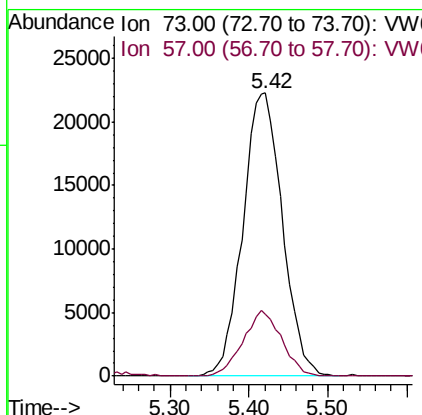
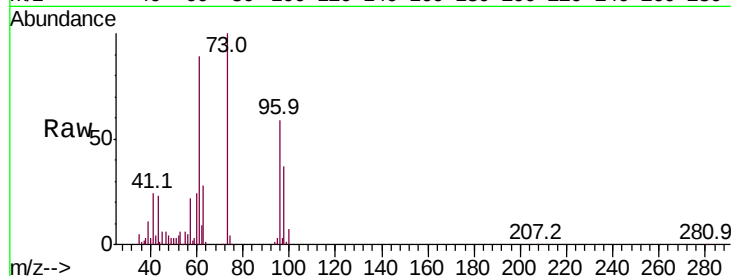




#19
Methyl tert-butyl Ether
Concen: 17.629 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

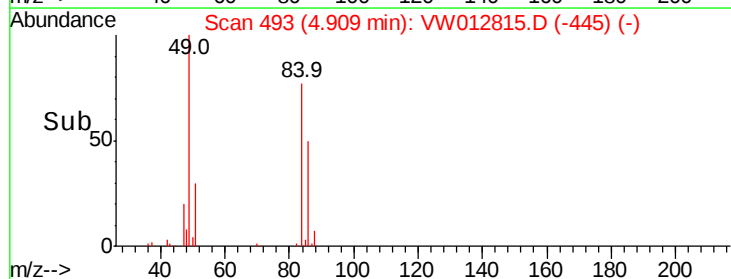
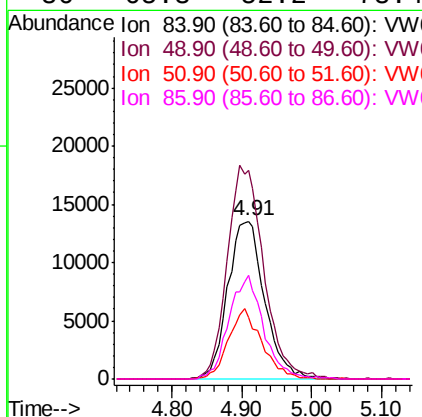
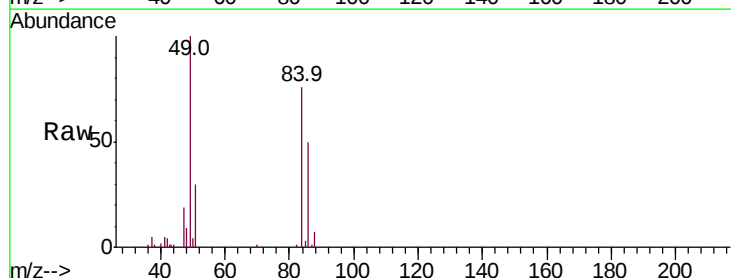
Instrument :
MSVOA_W
ClientSampled :

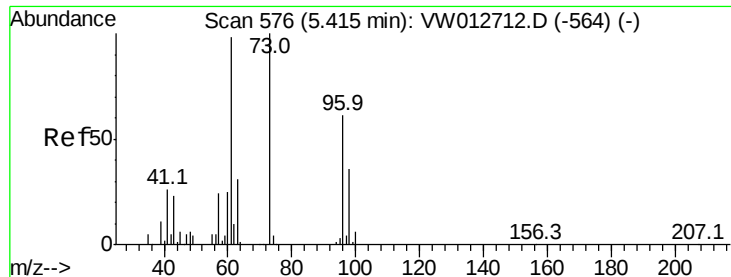
Tot Ion: 73 Resp: 77400
Ion Ratio Lower Upper
73 100
57 22.1 19.2 28.8



#20
Methylene Chloride
Concen: 19.340 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion: 84 Resp: 49407
Ion Ratio Lower Upper
84 100
49 131.7 115.4 173.0
51 39.2 34.9 52.3
86 65.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.014 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :

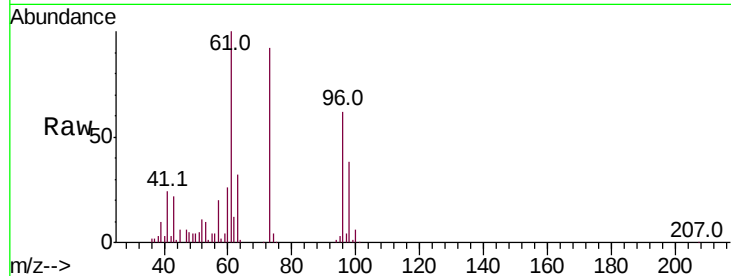
Tot Ion: 96 Resp: 45207

Ion Ratio Lower Upper

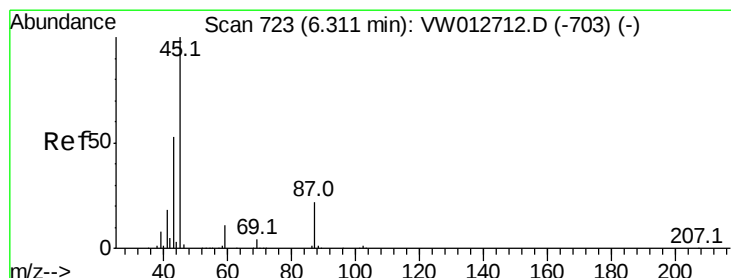
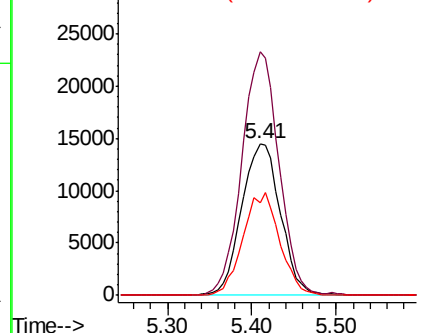
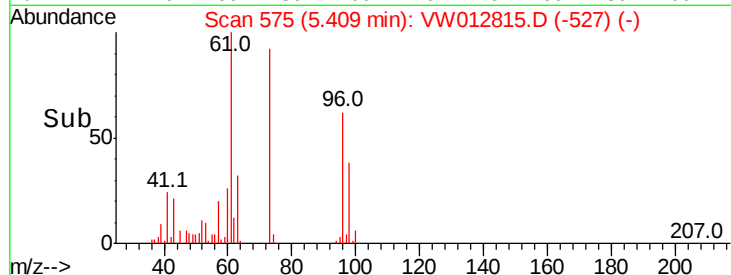
96 100

61 160.1 129.2 193.8

98 61.1 48.0 72.0



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



#22

Diisopropyl ether

Concen: 18.528 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Tgt Ion: 45 Resp: 168288

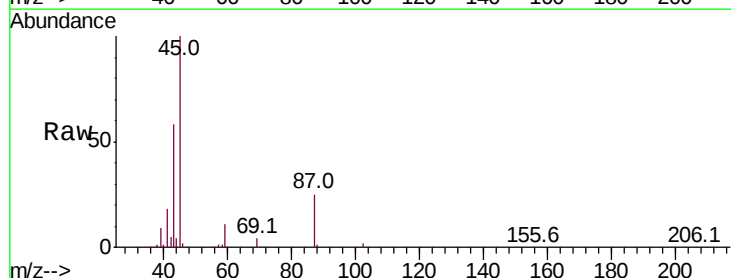
Ion Ratio Lower Upper

45 100

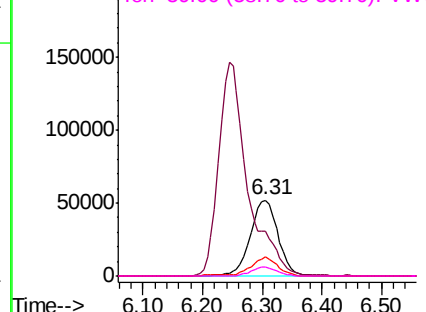
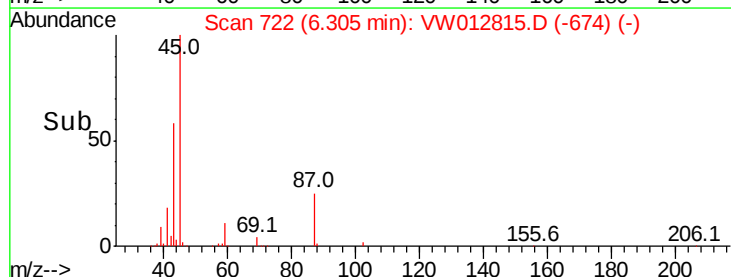
43 57.9 42.3 63.5

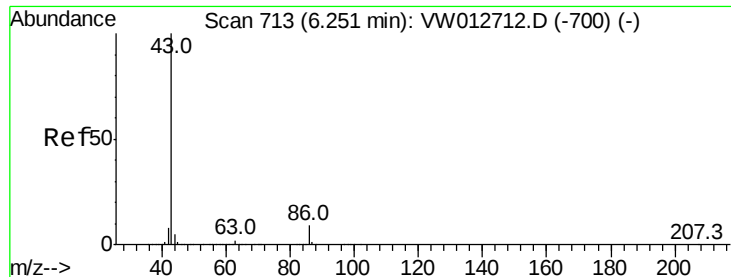
87 25.0 18.2 27.2

59 11.2 8.5 12.7



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

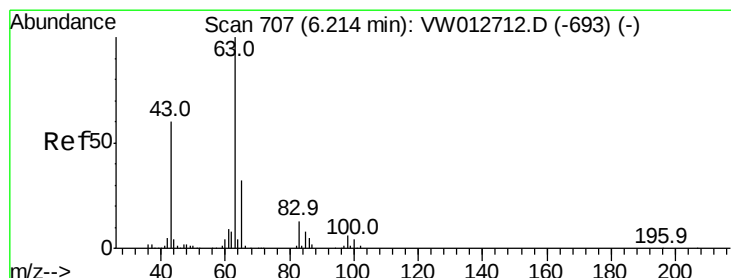
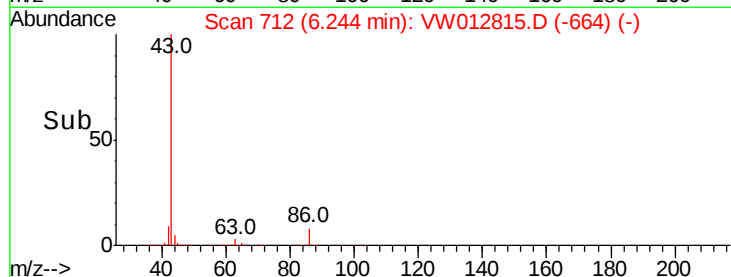
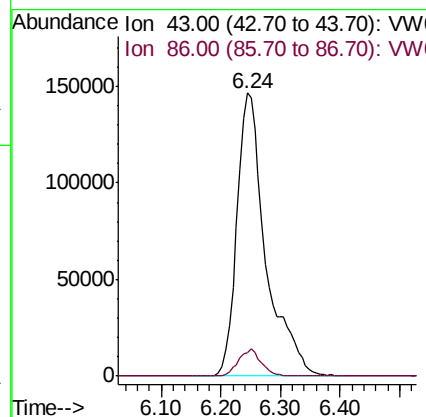
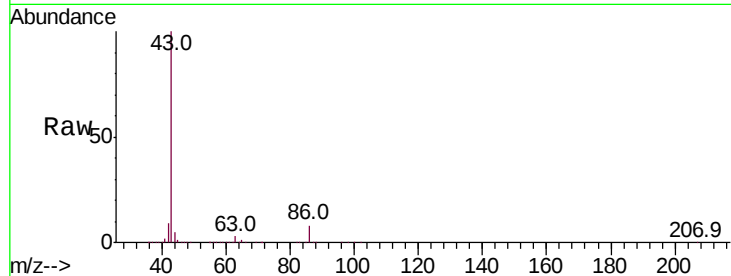




#23
 Vinyl Acetate
 Concen: 85.693 ug/l
 RT: 6.24 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

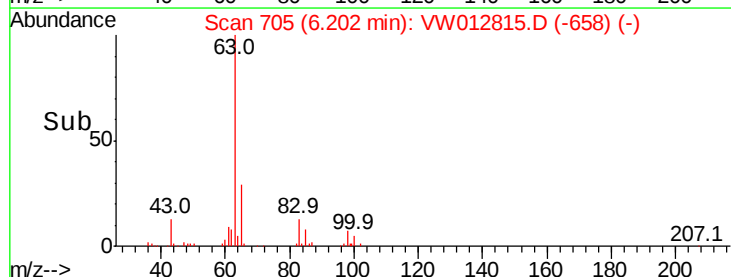
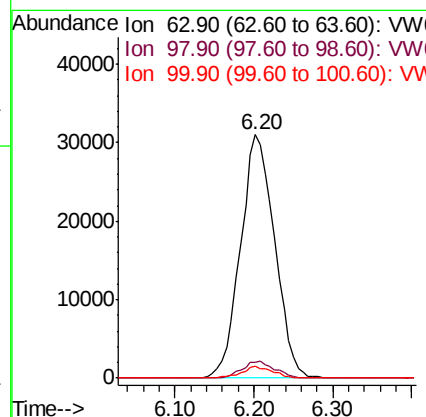
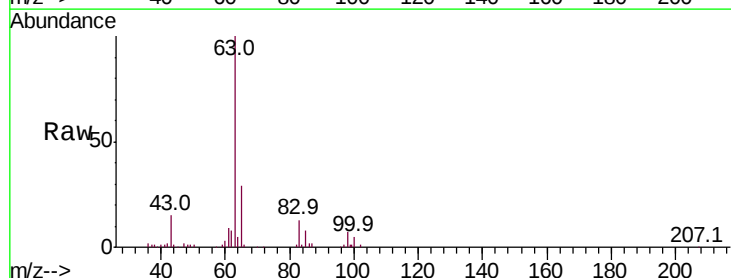
Instrument :
 MSVOA_W
 ClientSampleId :

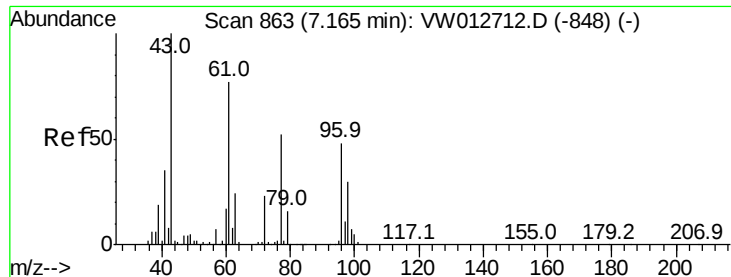
Tot Ion: 43 Resp: 493262
 Ion Ratio Lower Upper
 43 100
 86 8.4 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 19.101 ug/l
 RT: 6.20 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

Tgt Ion: 63 Resp: 93414
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.1 9.3
 100 5.1 1.8 5.5





#25

2-Butanone

Concen: 79.150 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

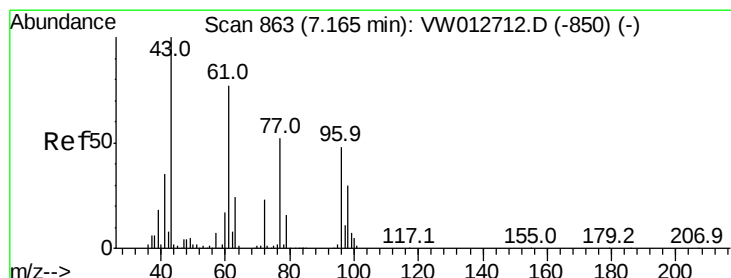
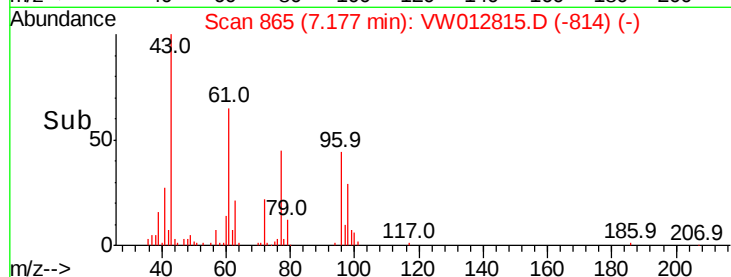
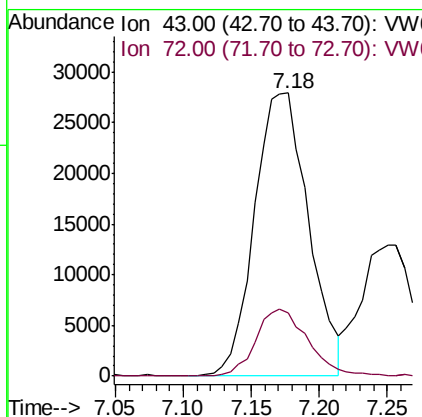
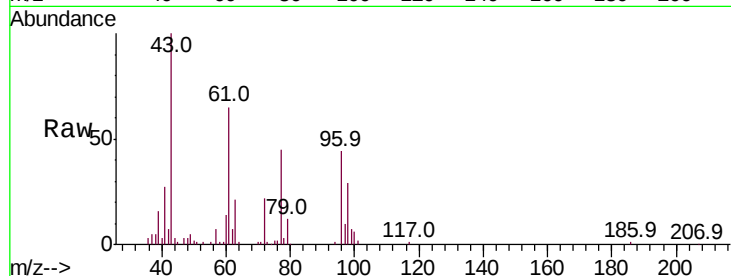
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 77610

Ion Ratio Lower Upper

43 100

72 22.3 18.0 27.0



#26

2,2-Dichloropropane

Concen: 18.474 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012815.D

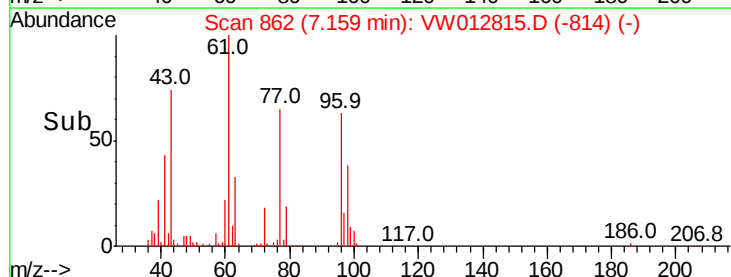
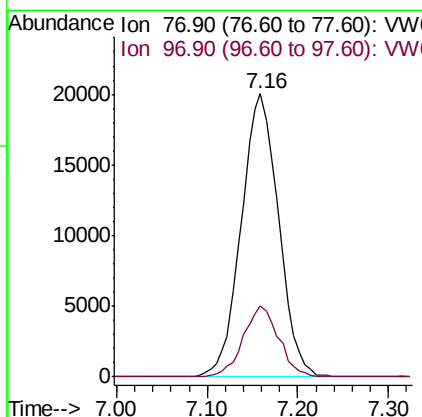
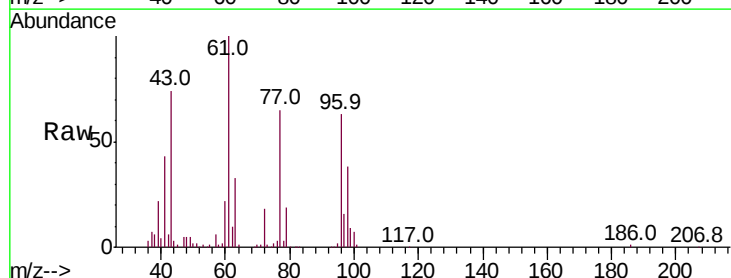
Acq: 09 Sep 2019 12:31

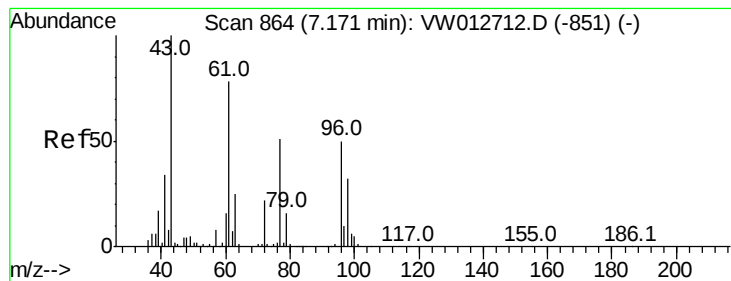
Tgt Ion: 77 Resp: 57063

Ion Ratio Lower Upper

77 100

97 23.8 10.7 32.1



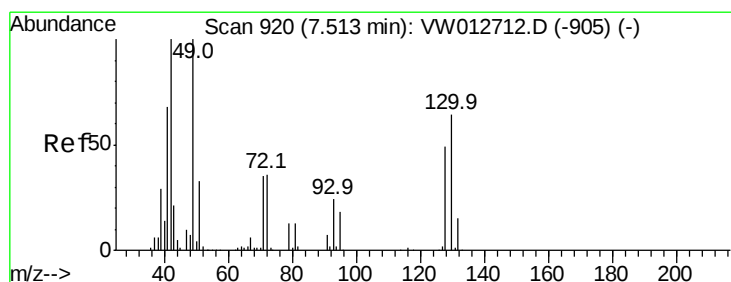
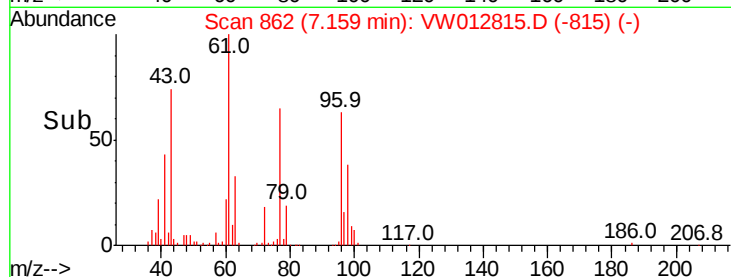
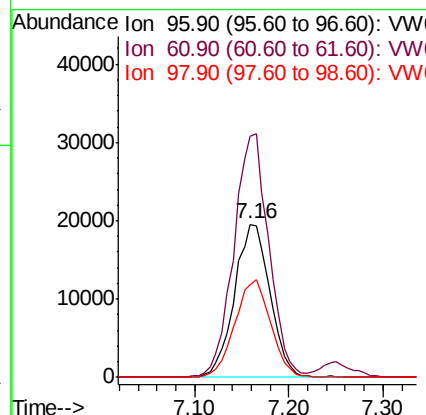
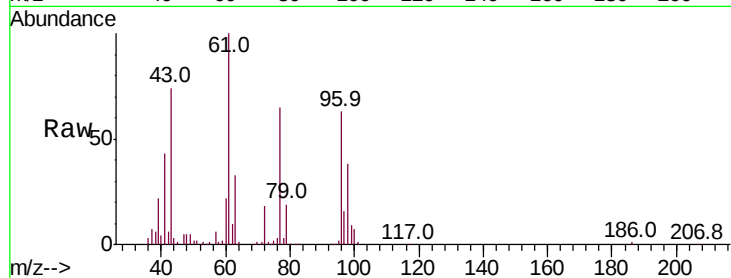


#27

cis-1,2-Dichloroethene
Concen: 19.668 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :

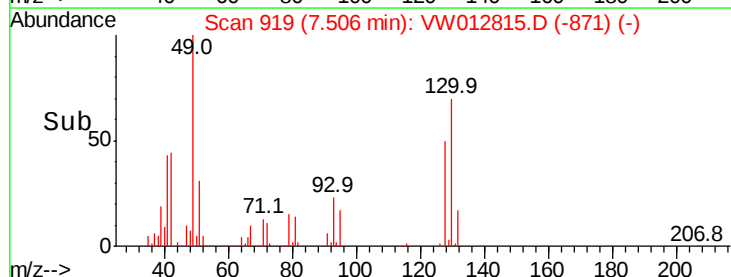
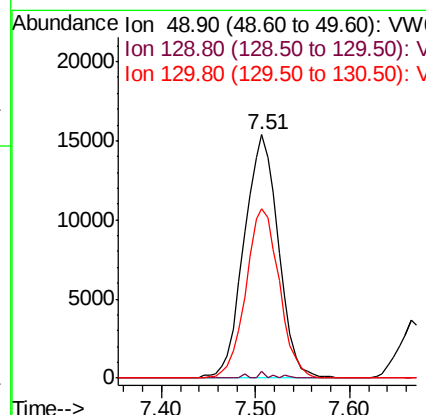
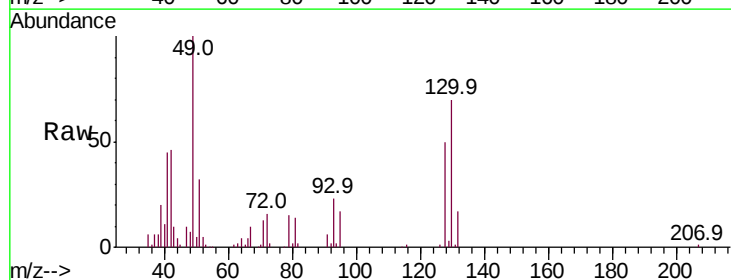
Tot Ion	Ratio	Lower	Upper
96	100		
61	156.9	0.0	325.8
98	64.2	0.0	127.0

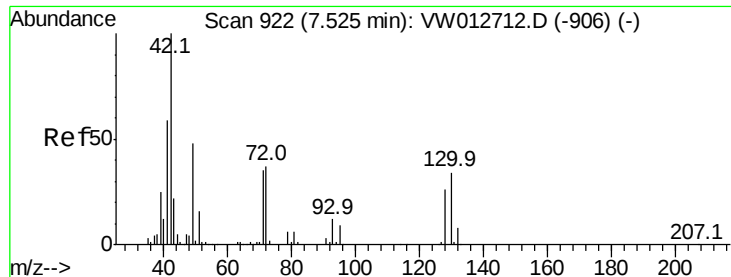


#28

Bromochloromethane
Concen: 17.316 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	0.8
130	67.9	49.8	74.8

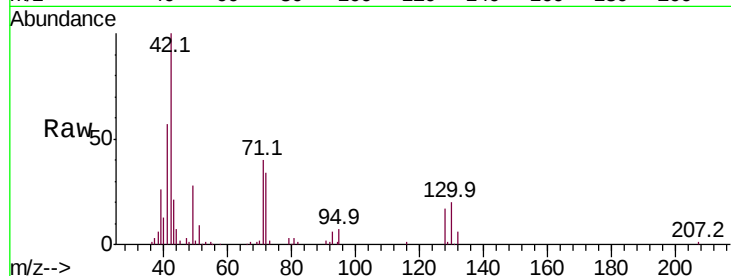




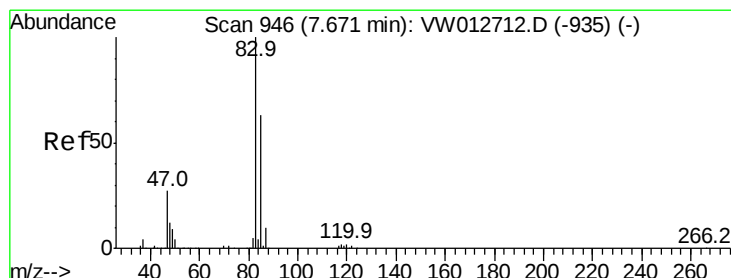
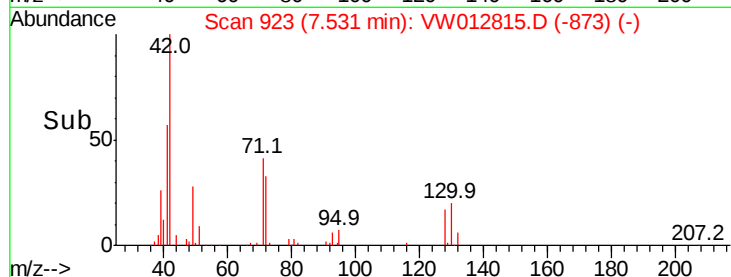
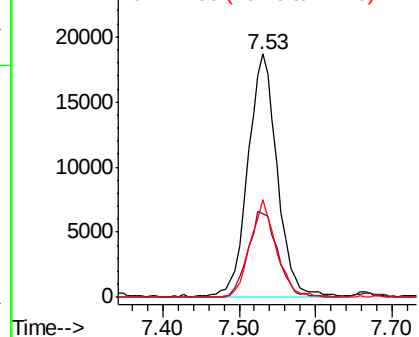
#29
Tetrahydrofuran
Concen: 75.012 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 49463
Ion Ratio Lower Upper
42 100
72 35.7 28.4 42.6
71 35.9 27.1 40.7

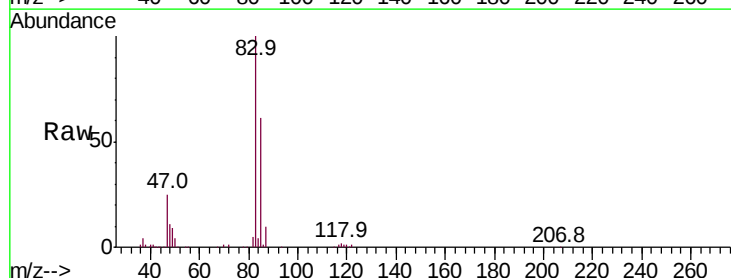


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

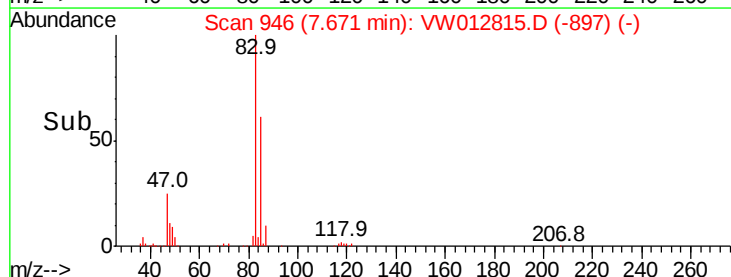
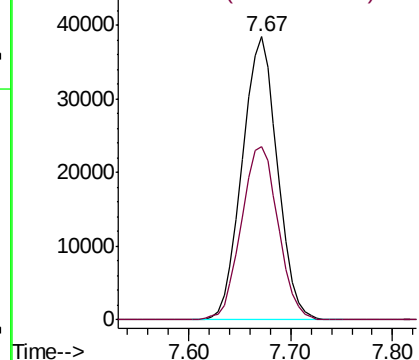


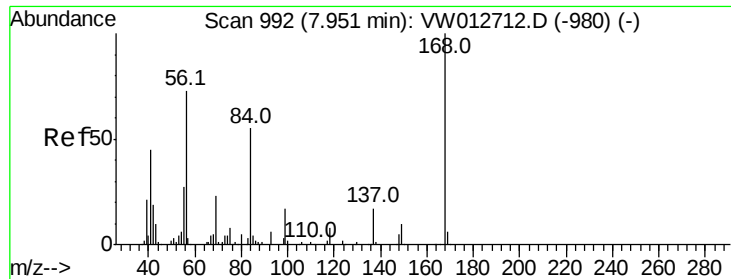
#30
Chloroform
Concen: 18.995 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion: 83 Resp: 92064
Ion Ratio Lower Upper
83 100
85 61.3 50.6 76.0



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

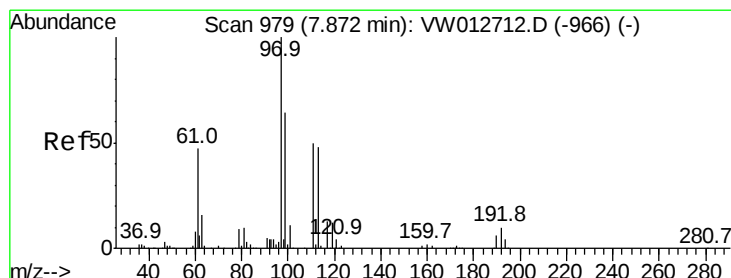
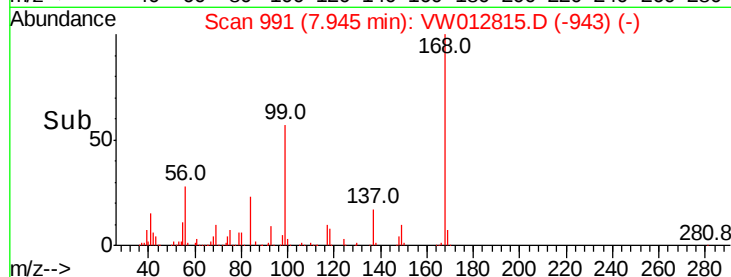
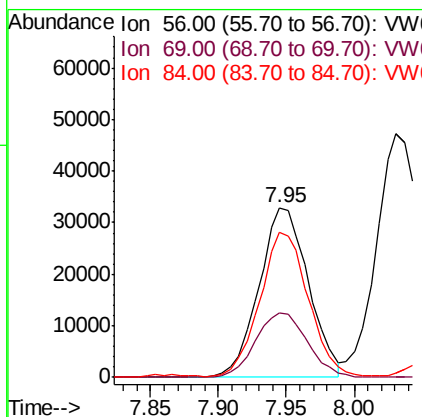
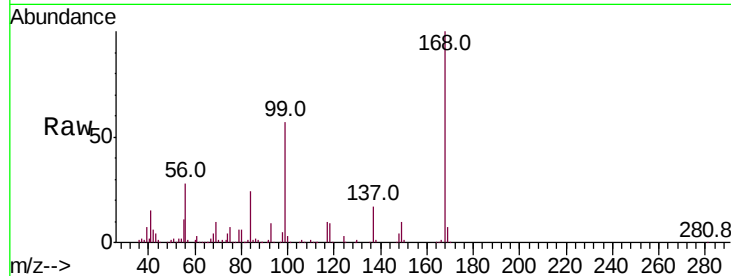




#31
Cyclohexane
Concen: 19.003 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

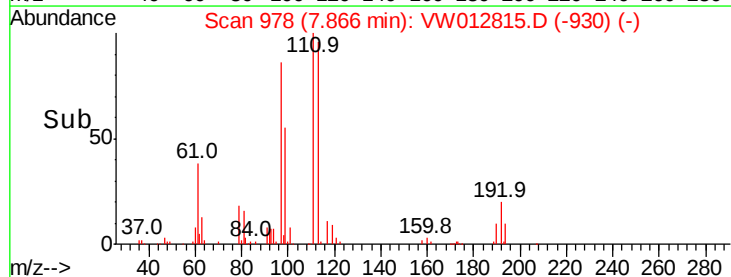
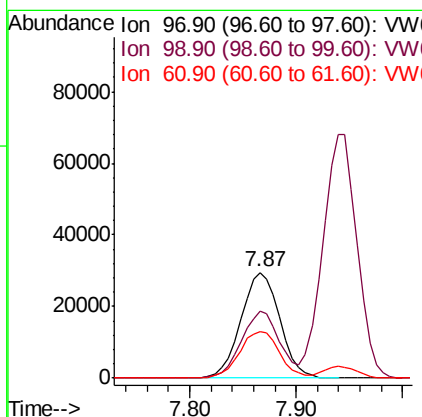
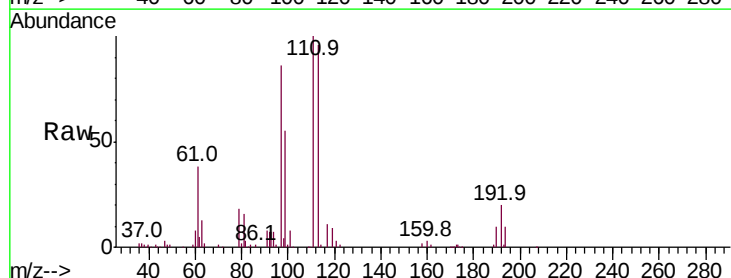
Instrument :
MSVOA_W
ClientSampled :

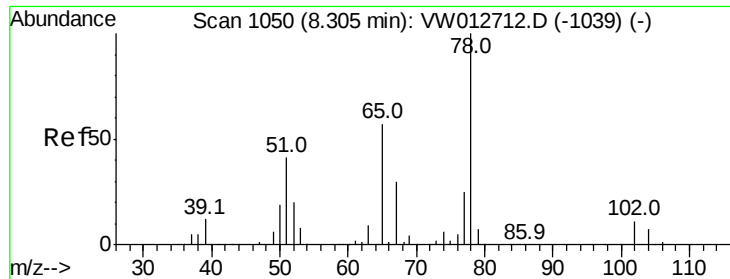
Tot Ion: 56 Resp: 83666
Ion Ratio Lower Upper
56 100
69 37.7 25.7 38.5
84 84.4 60.4 90.6



#32
1,1,1-Trichloroethane
Concen: 19.166 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion: 97 Resp: 75300
Ion Ratio Lower Upper
97 100
99 63.1 51.5 77.3
61 45.7 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 44.630 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

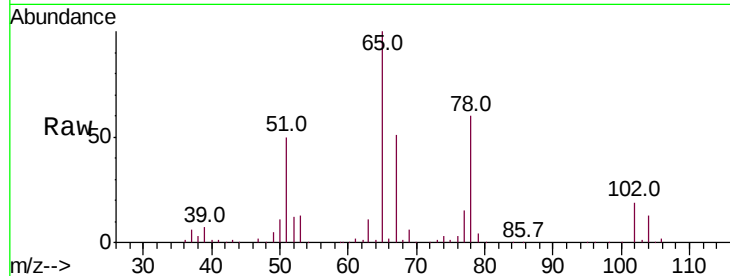
ClientSampleId :

Tot Ion: 65 Resp: 133676

Ion Ratio Lower Upper

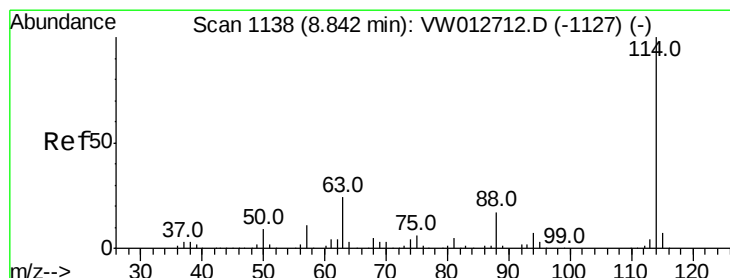
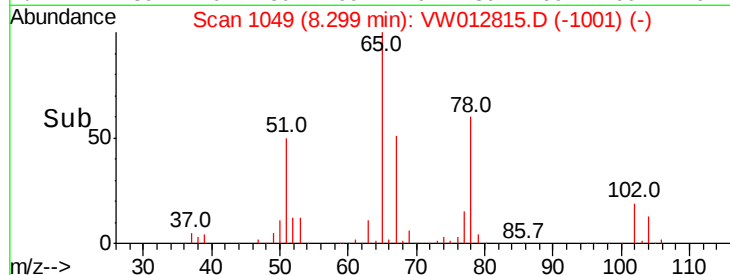
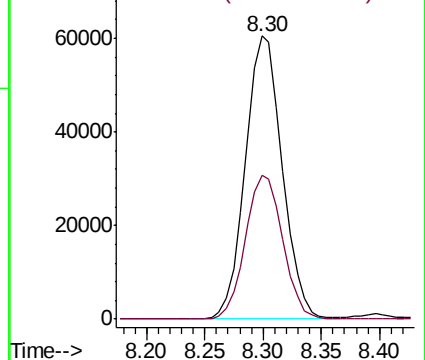
65 100

67 51.4 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

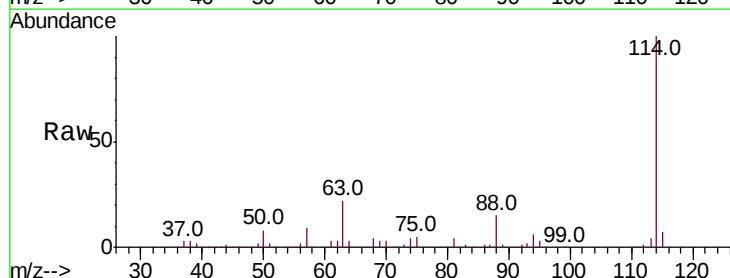
Tgt Ion: 114 Resp: 396221

Ion Ratio Lower Upper

114 100

63 22.3 0.0 47.2

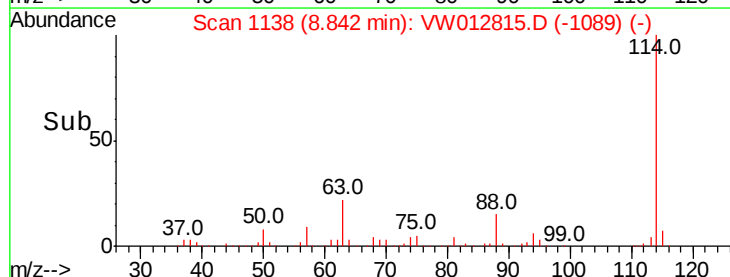
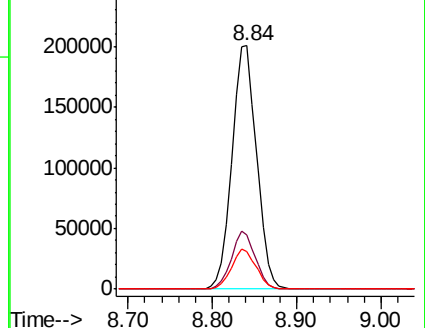
88 15.5 0.0 34.0

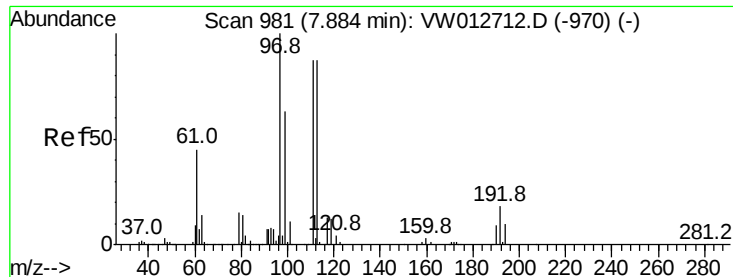


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

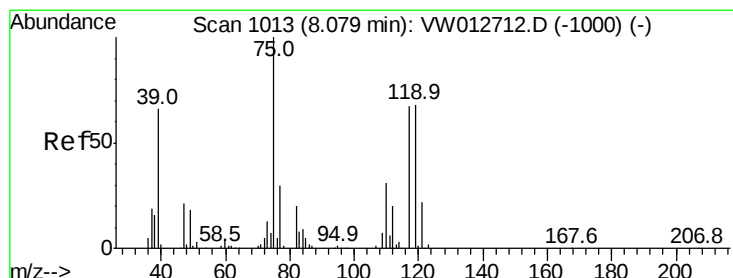
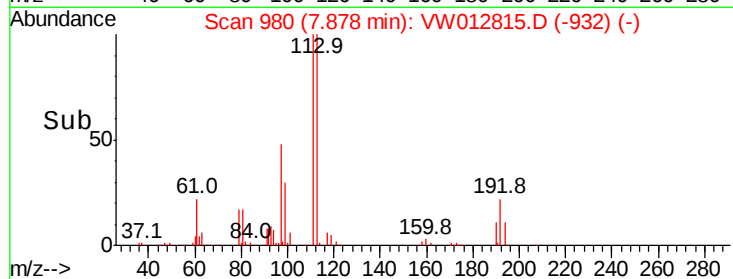
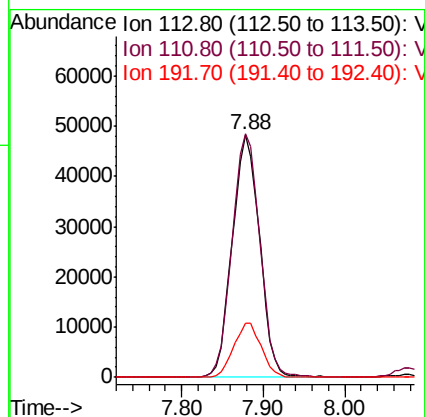
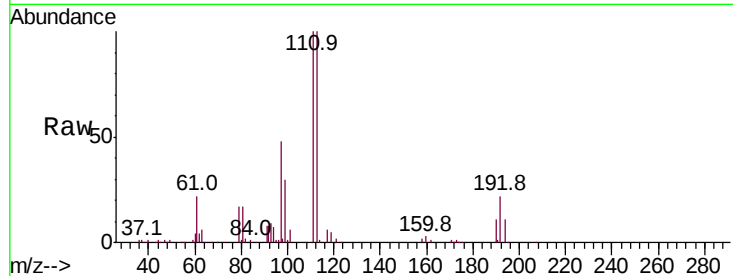




#35
 Dibromofluoromethane
 Concen: 47.327 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

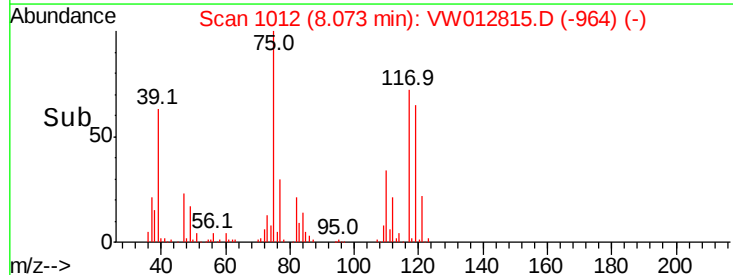
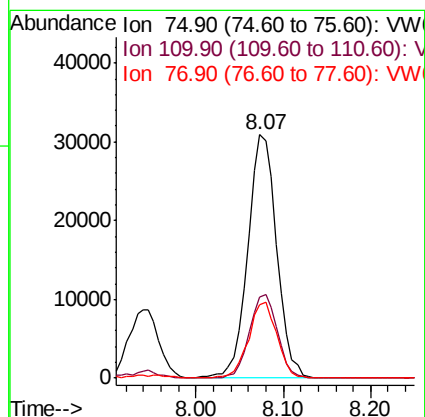
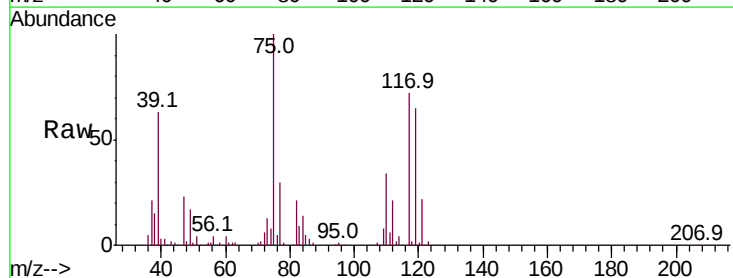
Instrument :
 MSVOA_W
 ClientSampleId :

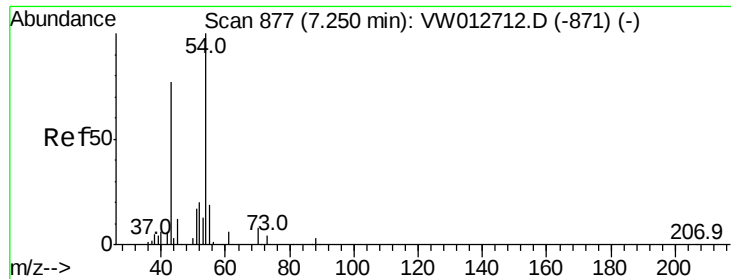
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.2	120.4
192	22.4	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 20.043 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	15.9	47.7
77	30.8	25.0	37.4

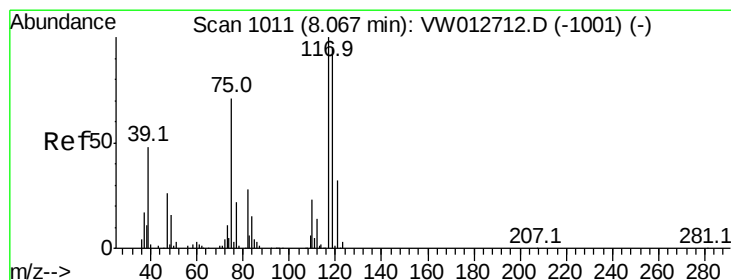
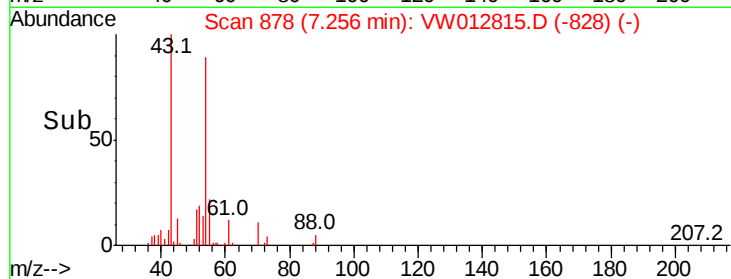
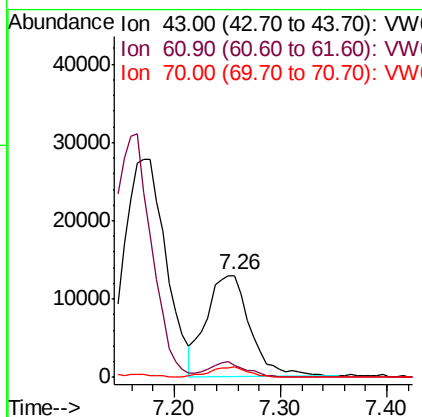
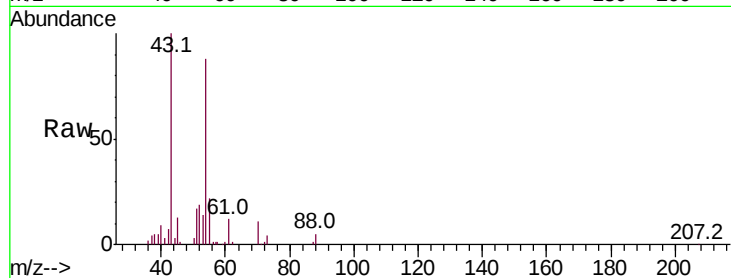




#37
Ethyl Acetate
Concen: 16.259 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

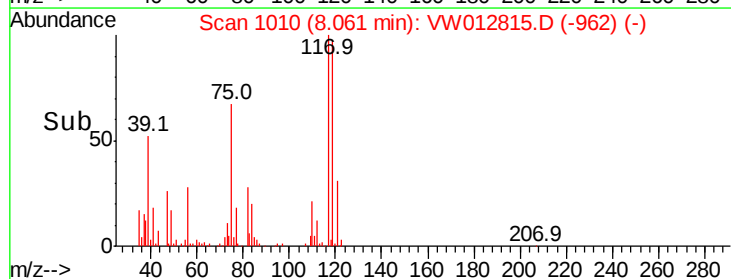
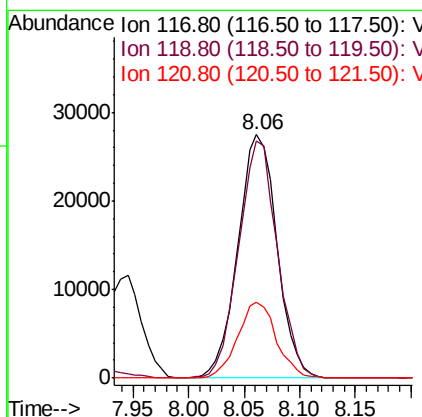
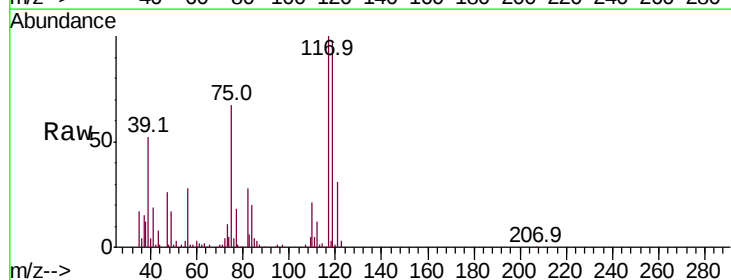
Instrument :
MSVOA_W
ClientSampled :

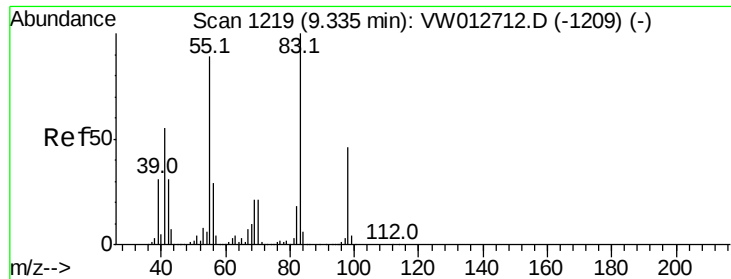
Tot Ion: 43 Resp: 36490
Ion Ratio Lower Upper
43 100
61 12.7 9.5 14.3
70 9.1 7.0 10.6



#38
Carbon Tetrachloride
Concen: 19.345 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion: 117 Resp: 67135
Ion Ratio Lower Upper
117 100
119 97.2 76.2 114.2
121 31.2 25.4 38.2

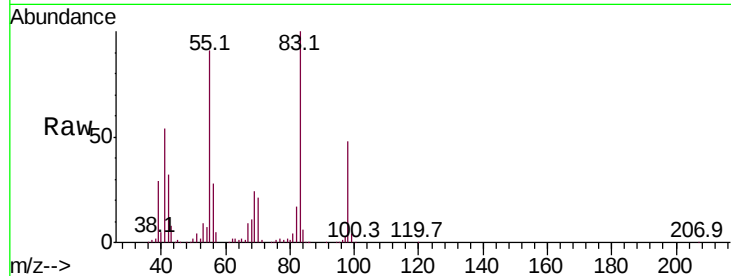




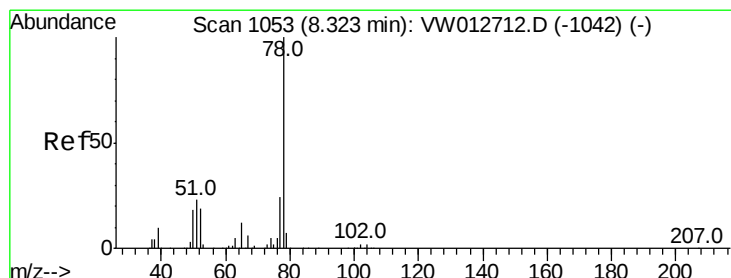
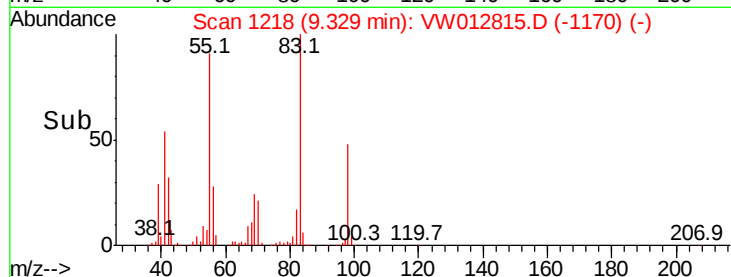
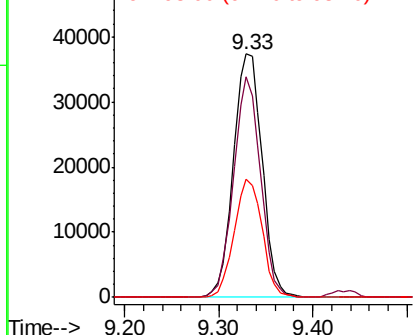
#39
Methvlcvclohexane
Concen: 20.027 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 79187
Ion Ratio Lower Upper
83 100
55 90.6 71.0 106.4
98 48.3 36.9 55.3

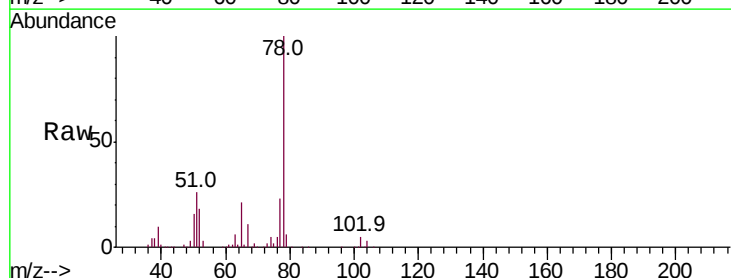


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

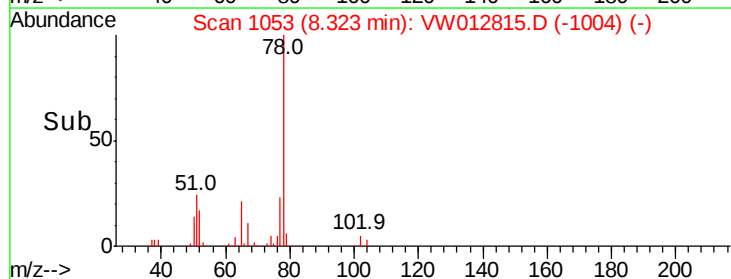
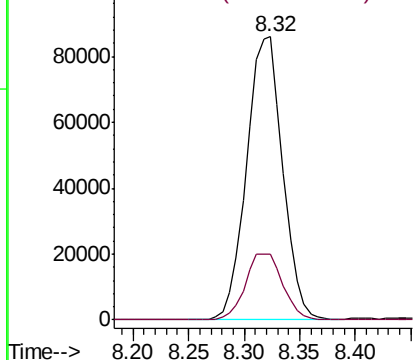


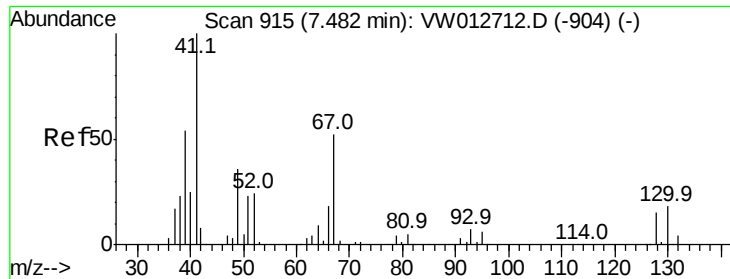
#40
Benzene
Concen: 19.887 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion: 78 Resp: 194253
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

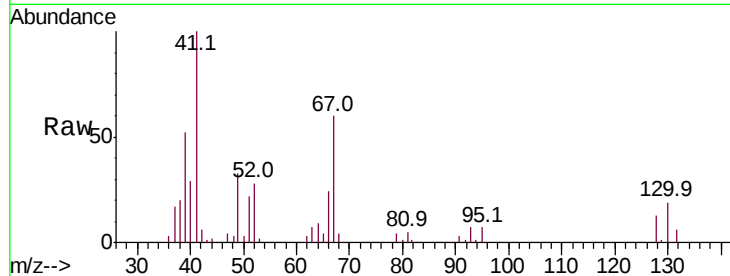




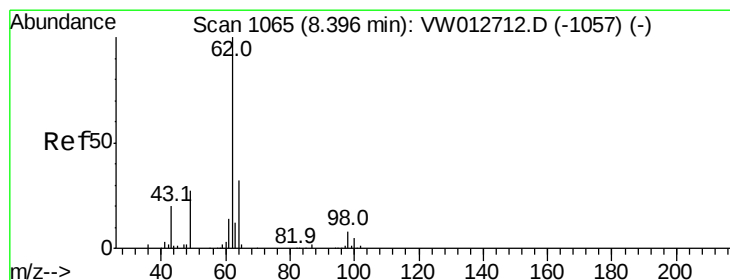
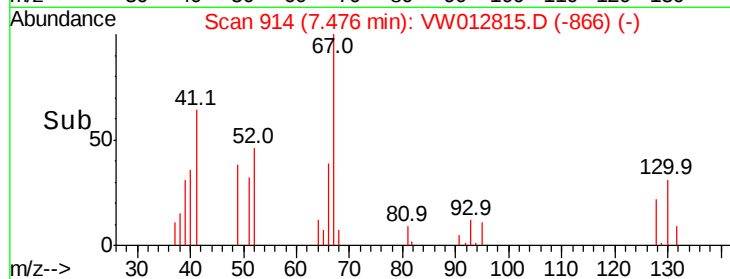
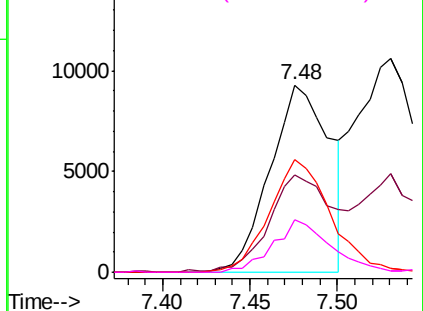
#41
Methacrylonitrile
Concen: 17.165 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	22020
Ion	Ratio	Lower	Upper
41	100		
39	57.8	47.5	71.3
67	62.8	45.1	67.7
52	26.9	20.2	30.2

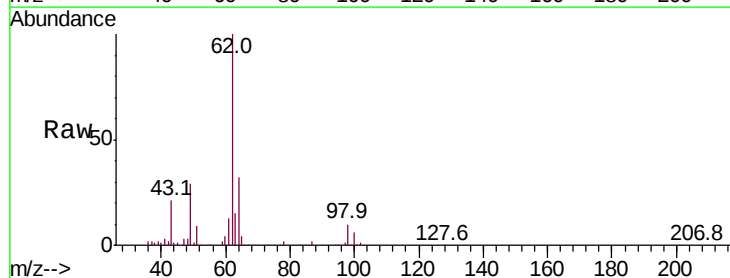


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

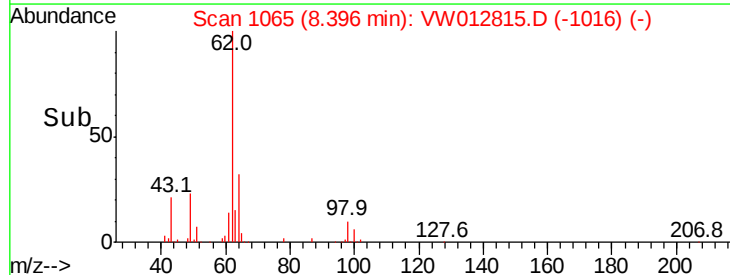
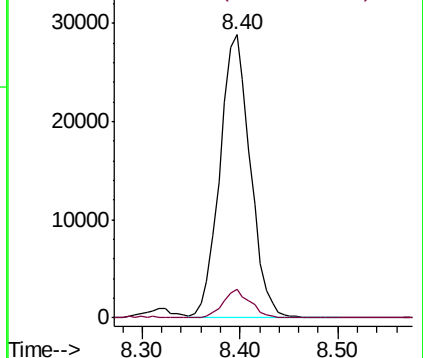


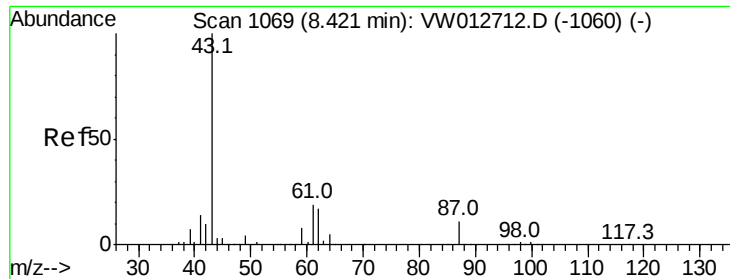
#42
1,2-Dichloroethane
Concen: 18.128 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion:	62	Resp:	62319
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 15.900 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

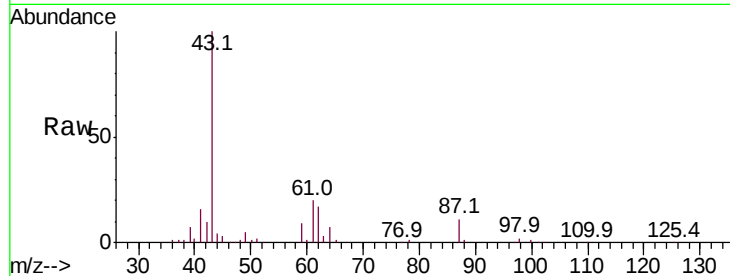
Tot Ion: 43 Resp: 67603

Ion Ratio Lower Upper

43 100

61 28.0 20.6 30.8

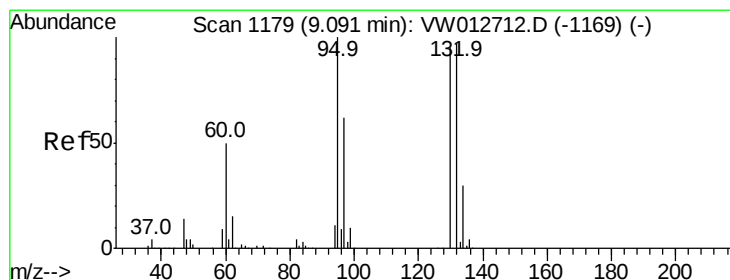
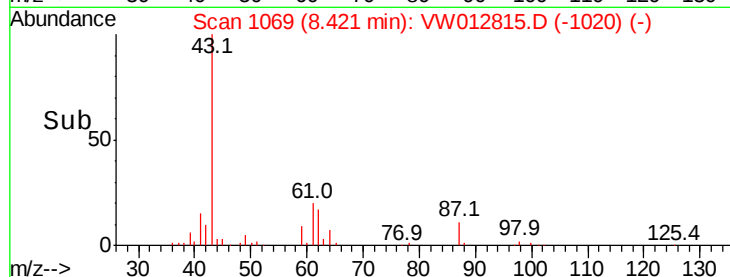
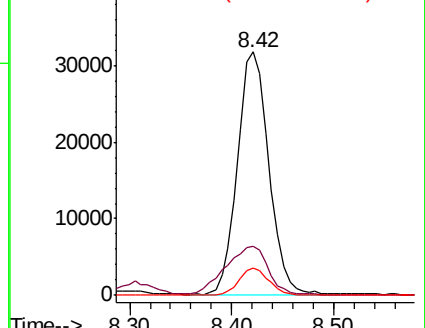
87 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.585 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012815.D

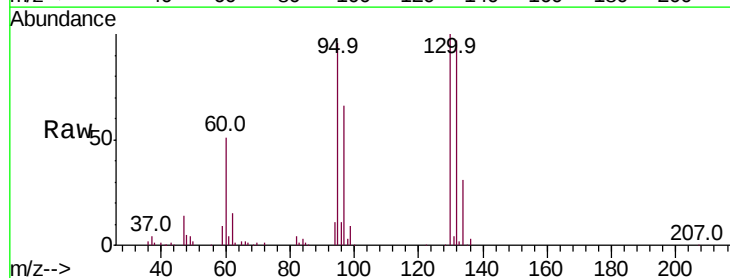
Acq: 09 Sep 2019 12:31

Tgt Ion:130 Resp: 51830

Ion Ratio Lower Upper

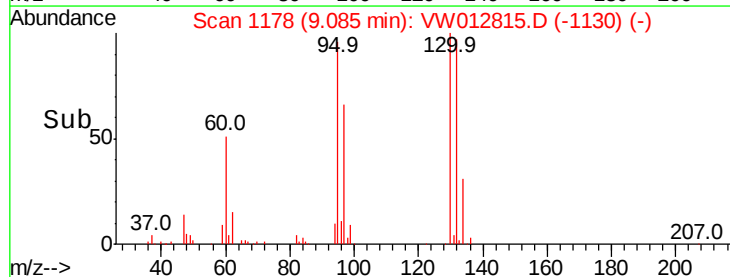
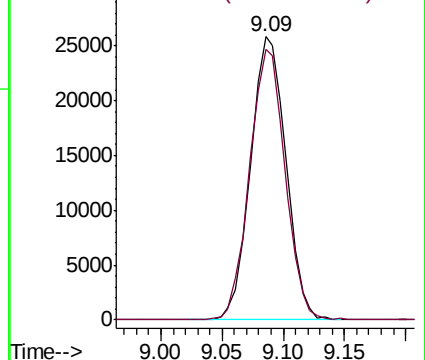
130 100

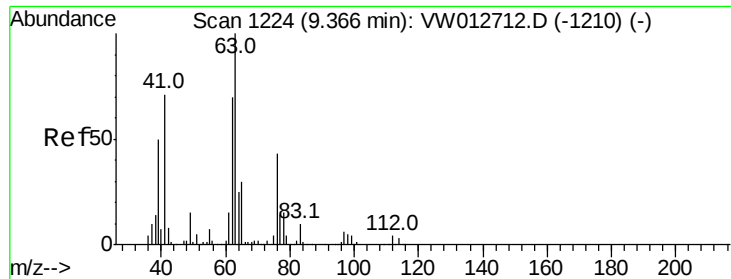
95 95.5 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 18.678 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

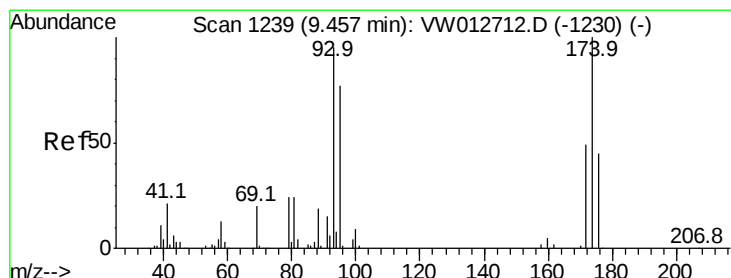
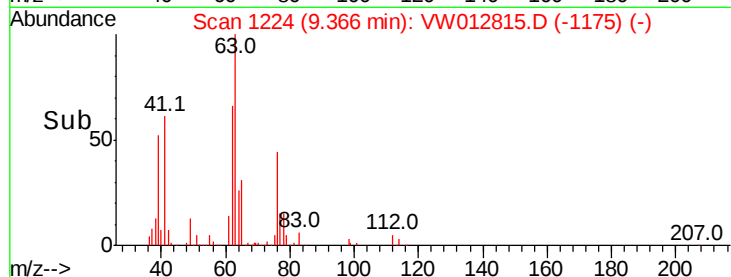
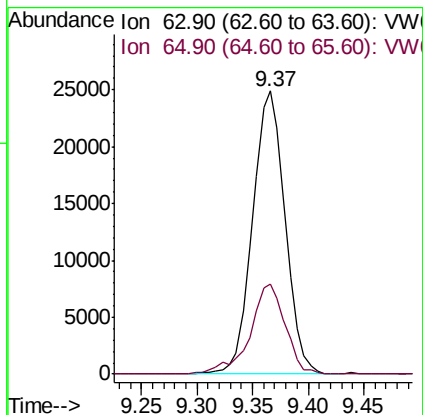
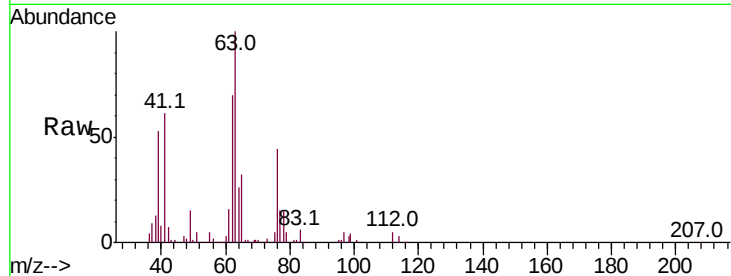
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 50602

Ion Ratio Lower Upper

63 100

65 31.8 23.8 35.8



#46

Dibromomethane

Concen: 18.911 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

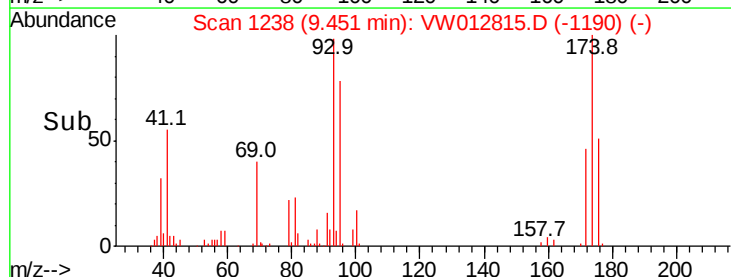
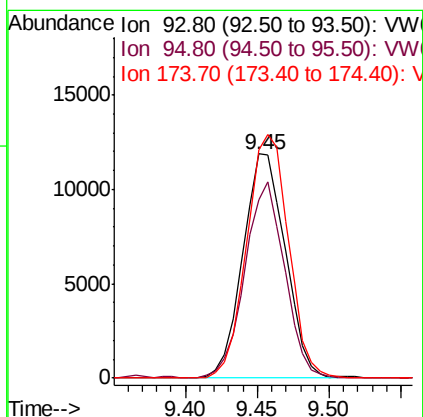
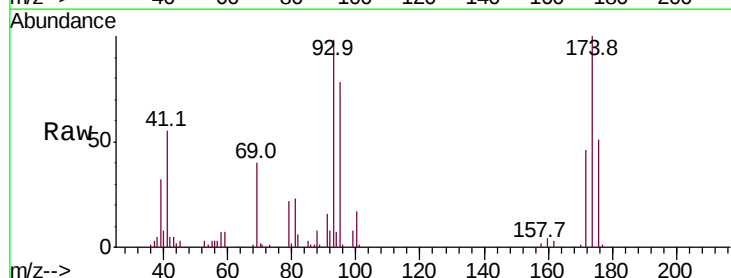
Tgt Ion: 93 Resp: 24260

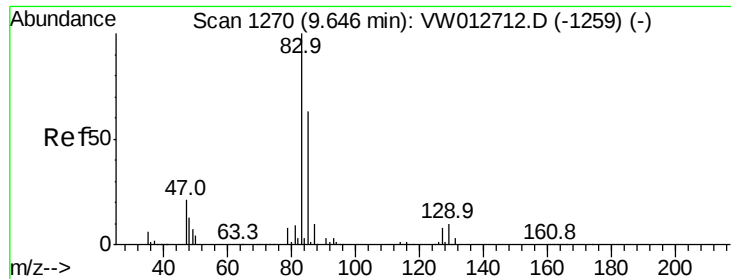
Ion Ratio Lower Upper

93 100

95 81.8 65.2 97.8

174 106.8 84.2 126.4

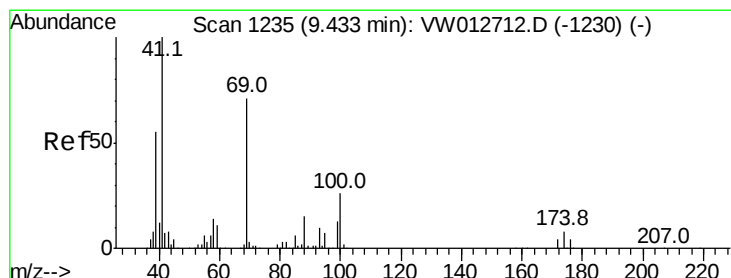
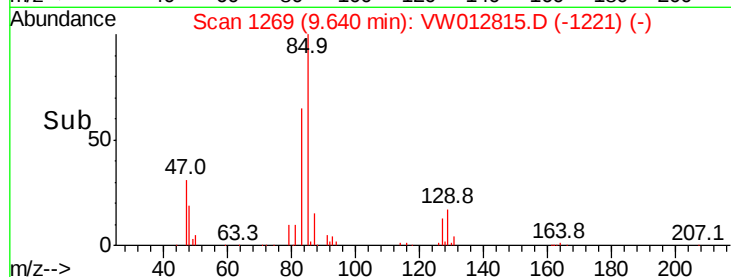
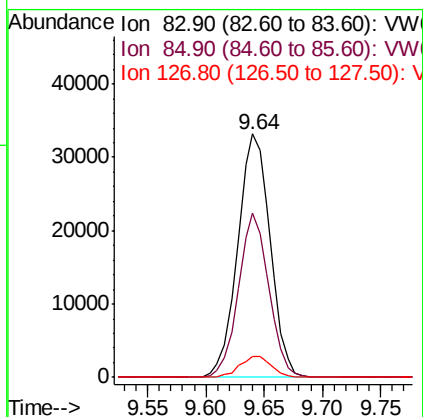
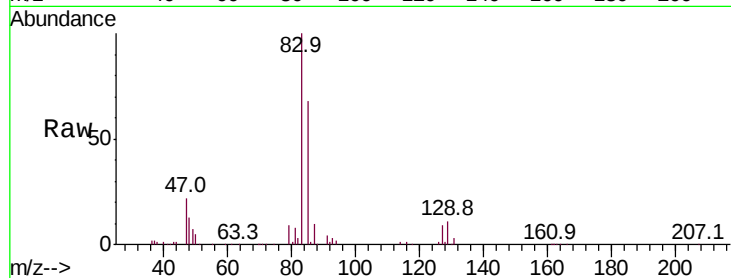




#47
 Bromodichloromethane
 Concen: 18.246 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

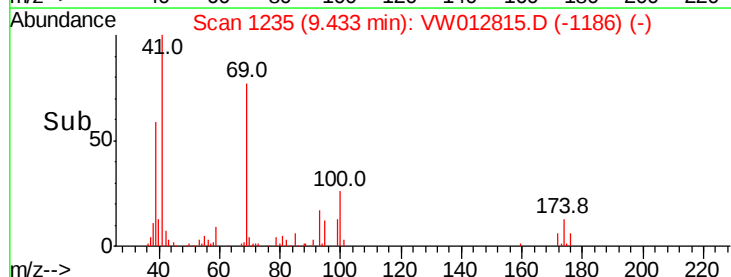
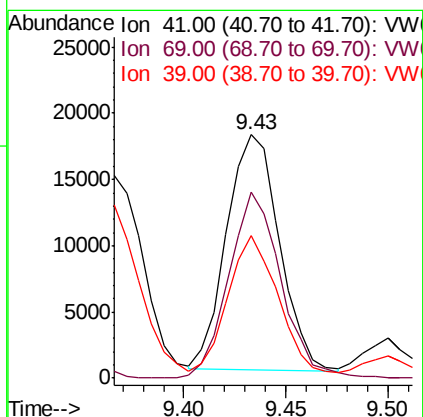
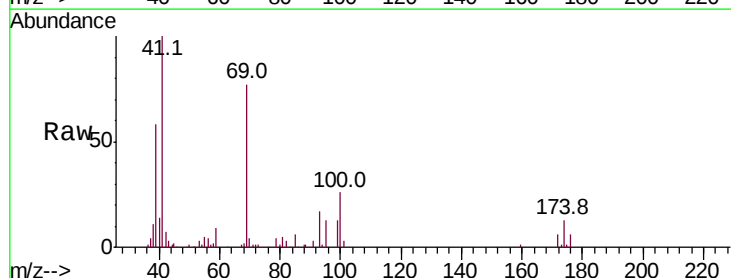
Instrument :
 MSVOA_W
 ClientSampleId :

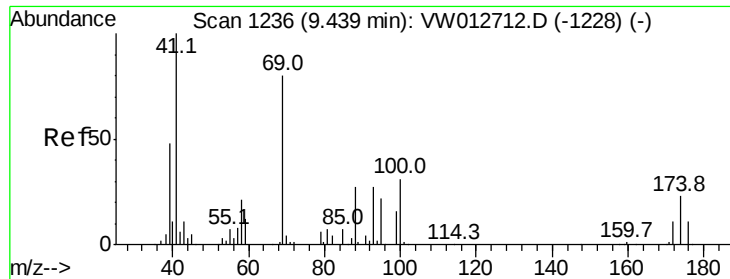
Tot Ion: 83 Resp: 64400
 Ion Ratio Lower Upper
 83 100
 85 67.7 50.2 75.2
 127 8.7 6.6 9.8



#48
 Methyl methacrylate
 Concen: 15.717 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

Tgt Ion: 41 Resp: 31936
 Ion Ratio Lower Upper
 41 100
 69 78.5 59.8 89.8
 39 54.9 47.0 70.6





#49

1,4-Dioxane

Concen: 272.924 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.04 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :

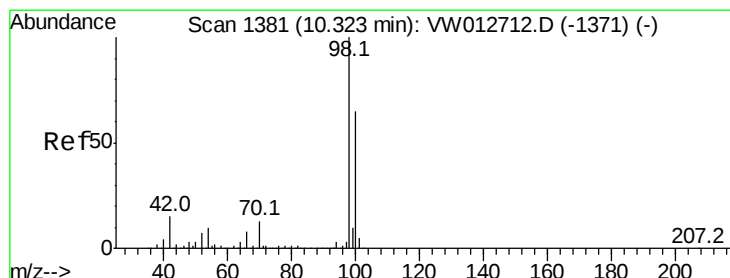
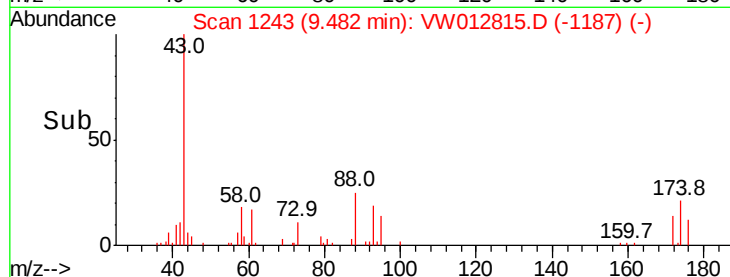
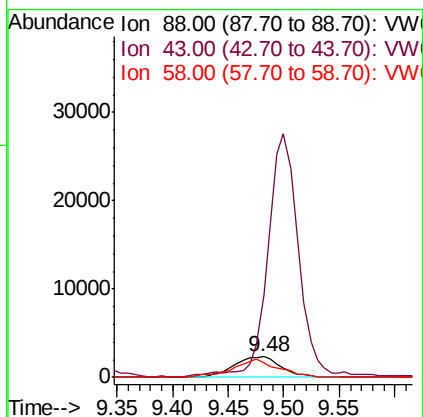
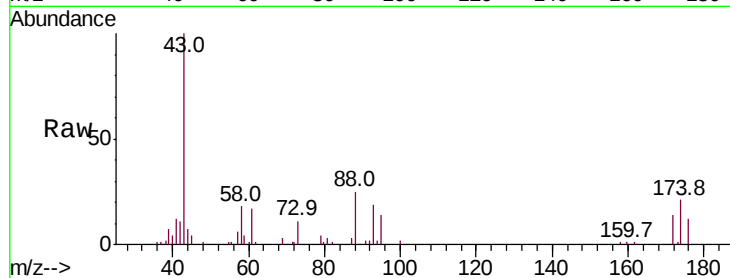
Tot Ion: 88 Resp: 6916

Ion Ratio Lower Upper

88 100

43 0.0 34.8 52.2#

58 82.8 64.1 96.1



#50

Toluene-d8

Concen: 50.341 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012815.D

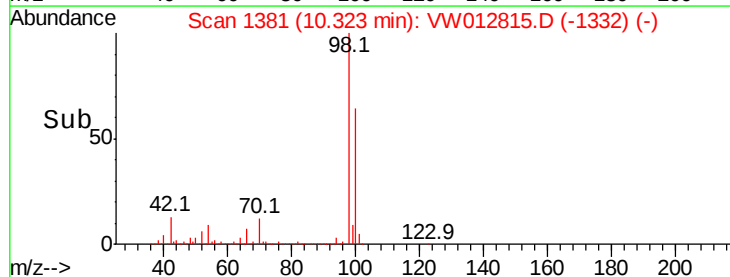
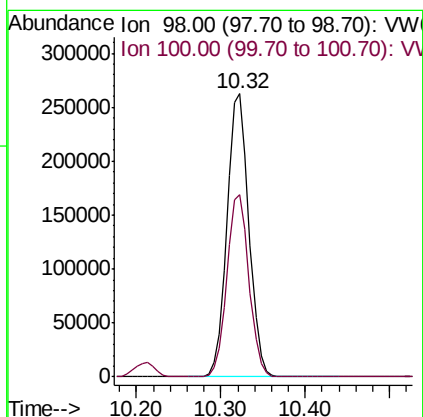
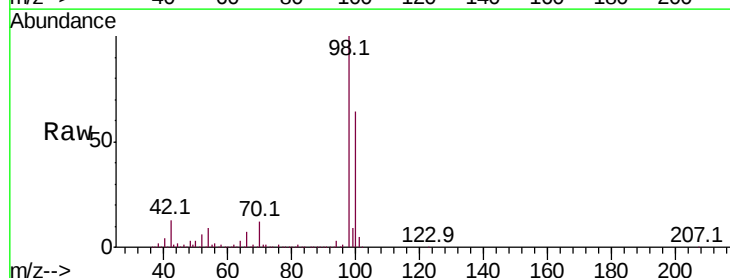
Acq: 09 Sep 2019 12:31

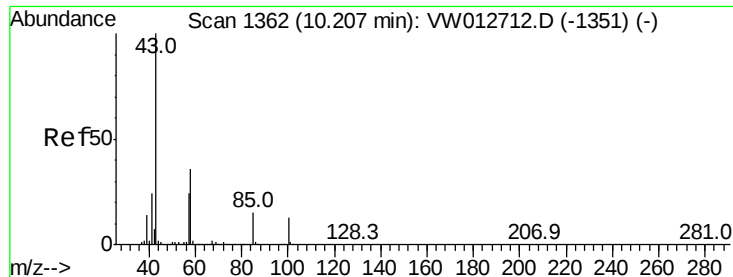
Tgt Ion: 98 Resp: 464591

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 78.107 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

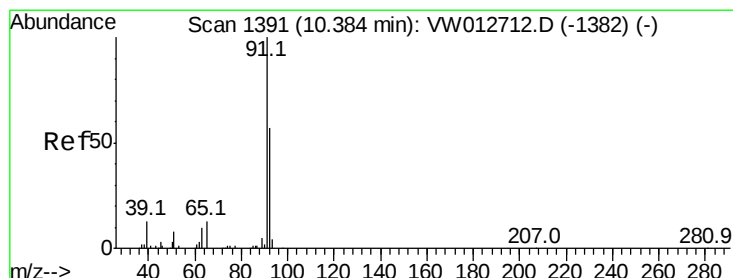
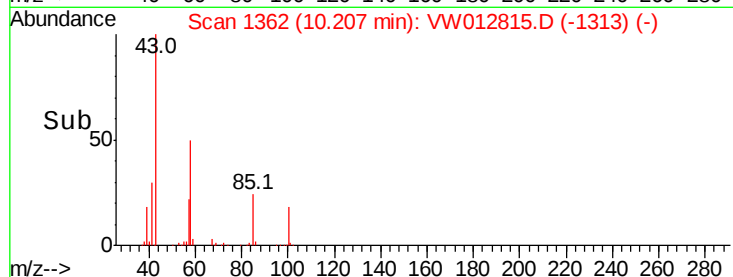
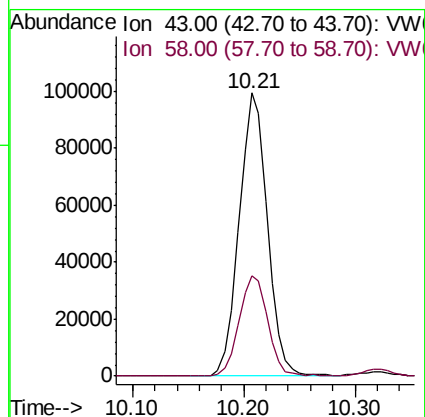
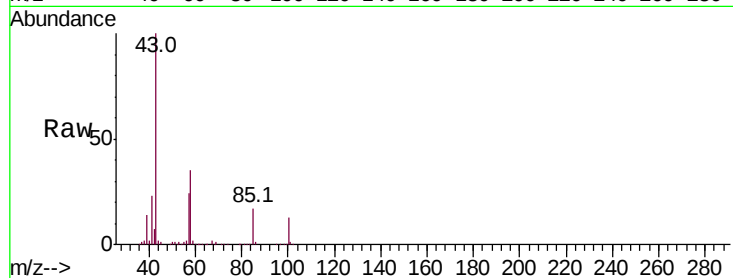
ClientSampled :

Tot Ion: 43 Resp: 174262

Ion Ratio Lower Upper

43 100

58 35.8 28.4 42.6



#52

Toluene

Concen: 19.960 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012815.D

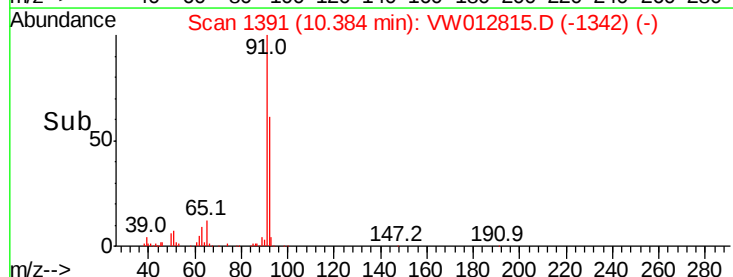
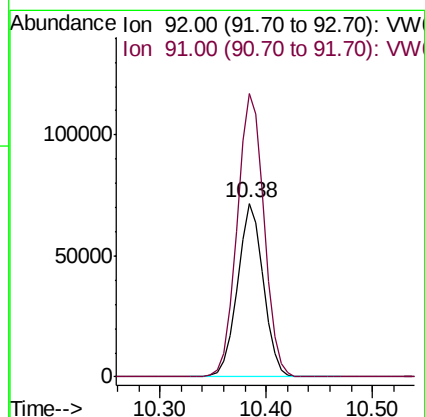
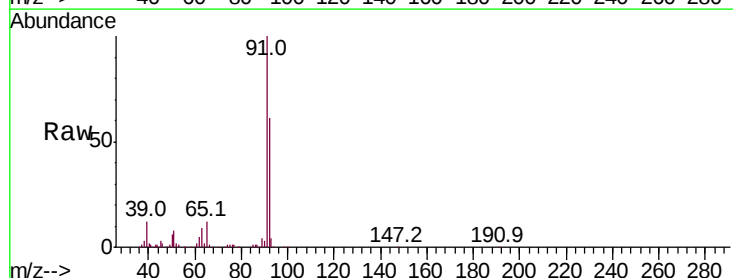
Acq: 09 Sep 2019 12:31

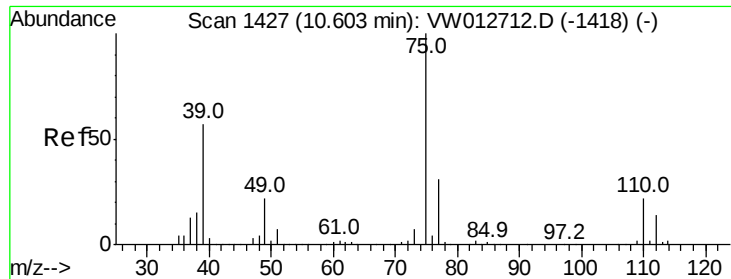
Tgt Ion: 92 Resp: 121685

Ion Ratio Lower Upper

92 100

91 170.1 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 18.035 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

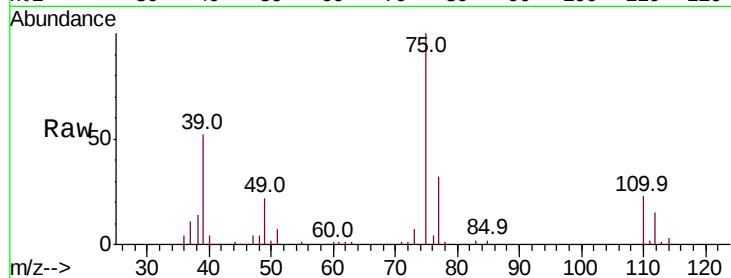
ClientSampleId :

Tot Ion: 75 Resp: 65452

Ion Ratio Lower Upper

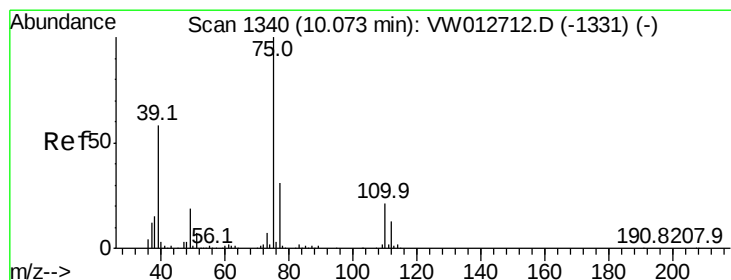
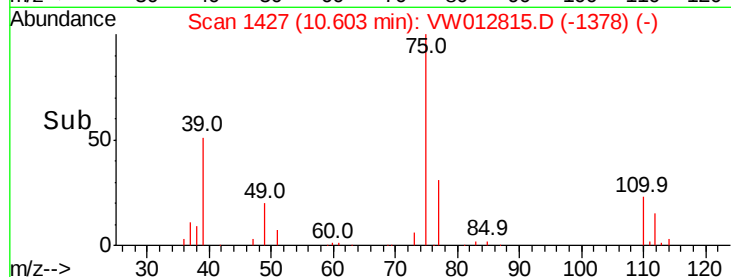
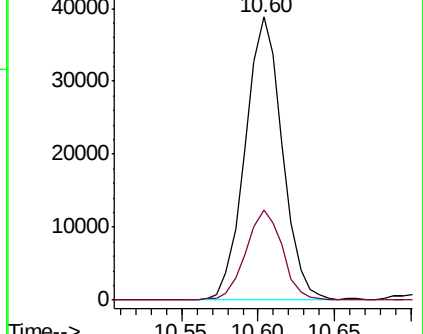
75 100

77 31.6 24.7 37.1



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: 18.730 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

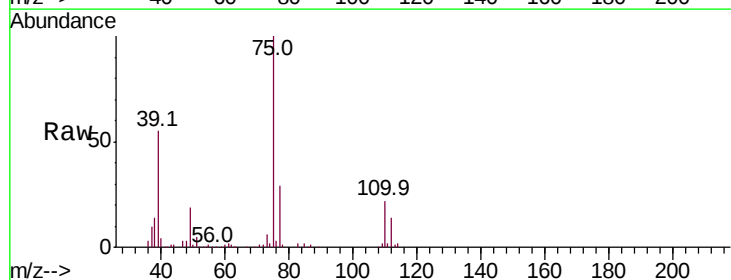
Tgt Ion: 75 Resp: 77115

Ion Ratio Lower Upper

75 100

77 28.7 24.6 36.8

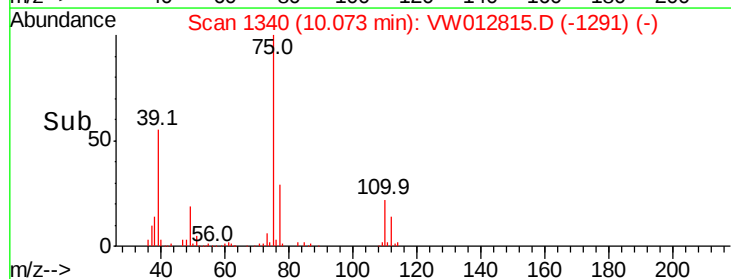
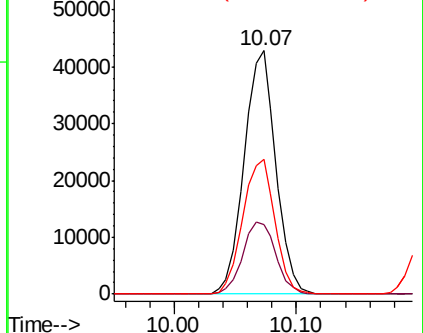
39 55.1 46.3 69.5

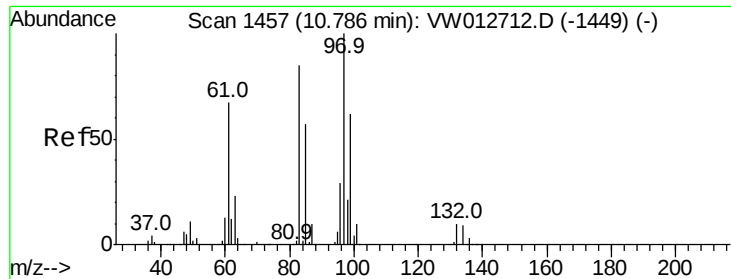


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

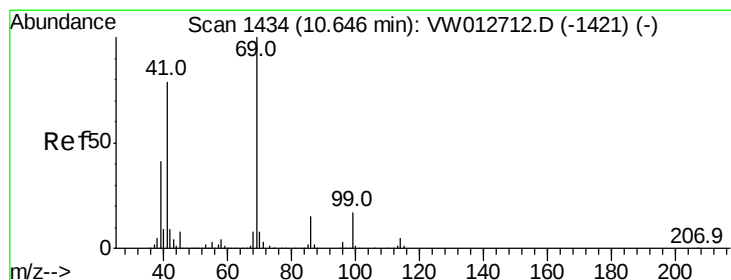
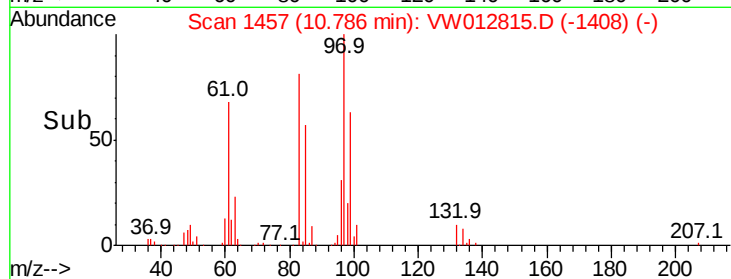
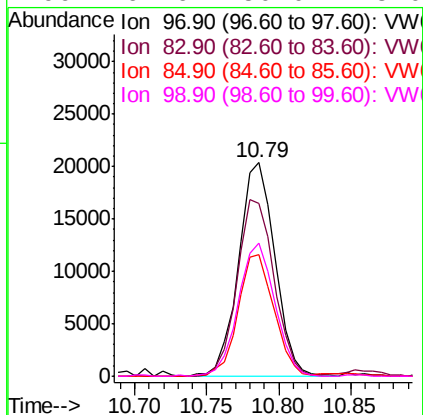
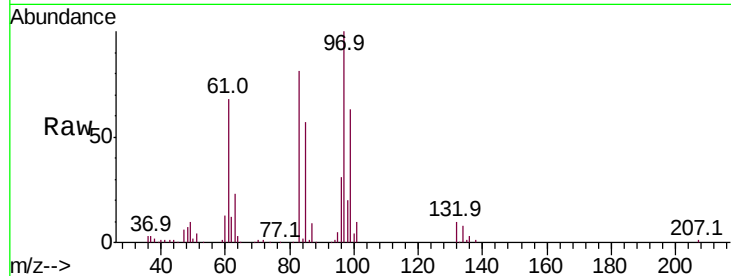




#55
 1,1,2-Trichloroethane
 Concen: 18.536 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

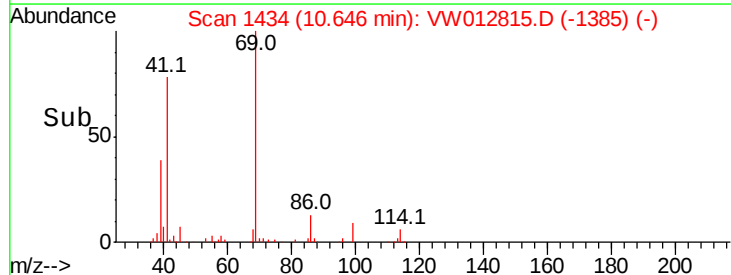
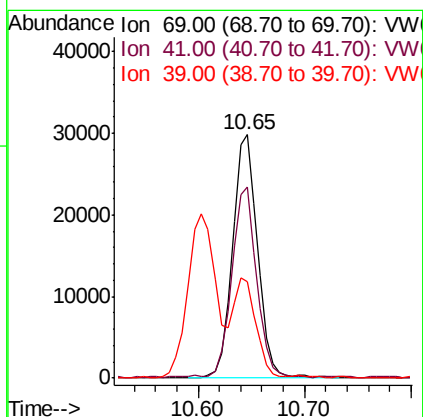
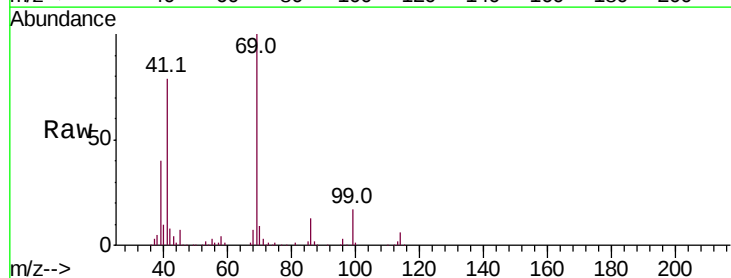
Instrument :
 MSVOA_W
 ClientSampled :

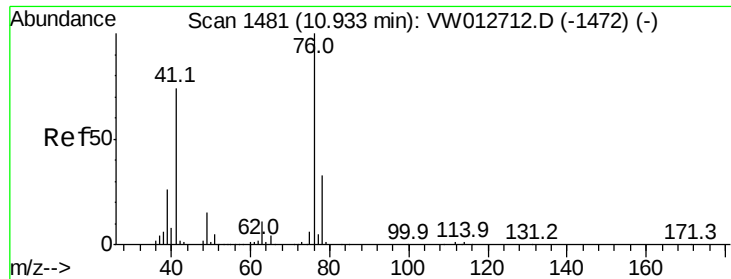
Tot Ion:	97	Resp:	35601
Ion	Ratio	Lower	Upper
97	100		
83	80.9	68.1	102.1
85	56.7	45.3	67.9
99	62.6	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 17.475 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

Tgt Ion:	69	Resp:	49130
Ion	Ratio	Lower	Upper
69	100		
41	78.3	64.4	96.6
39	35.2	31.1	46.7





#57

1,3-Dichloropropane

Concen: 18.016 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

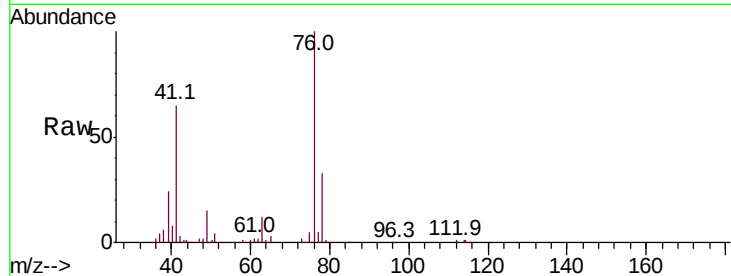
ClientSampled :

Tot Ion: 76 Resp: 64014

Ion Ratio Lower Upper

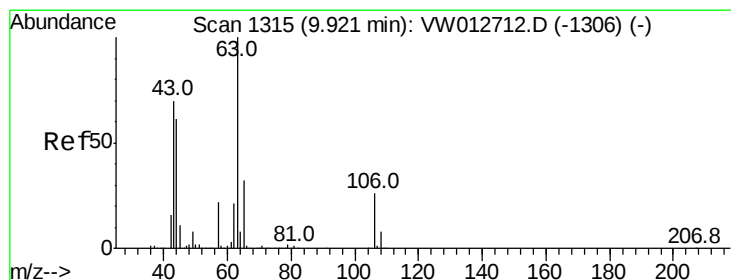
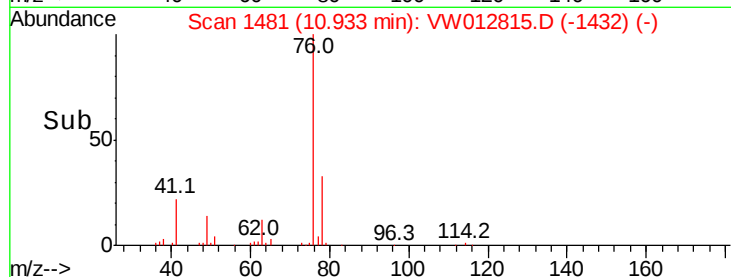
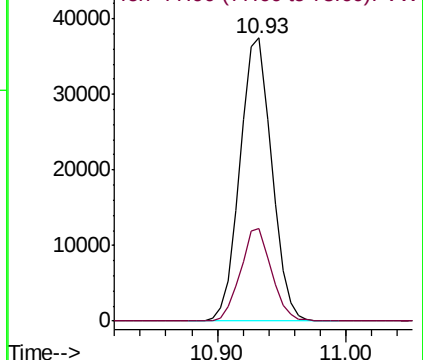
76 100

78 31.9 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 89.544 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012815.D

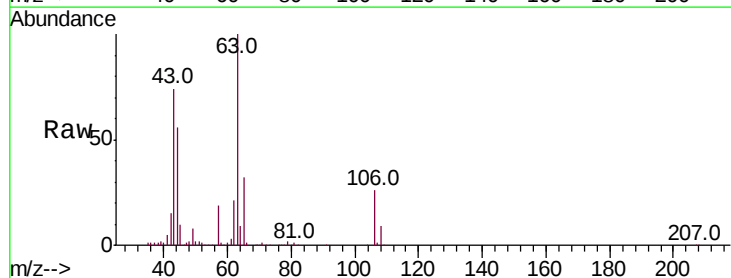
Acq: 09 Sep 2019 12:31

Tgt Ion: 63 Resp: 133646

Ion Ratio Lower Upper

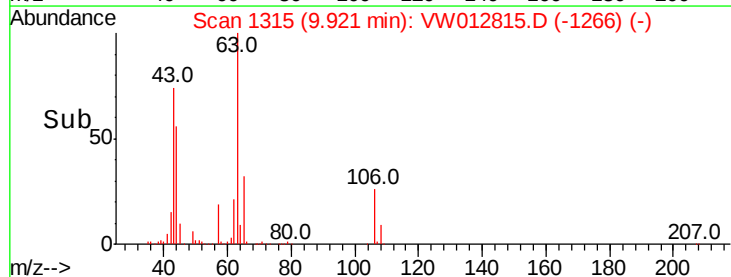
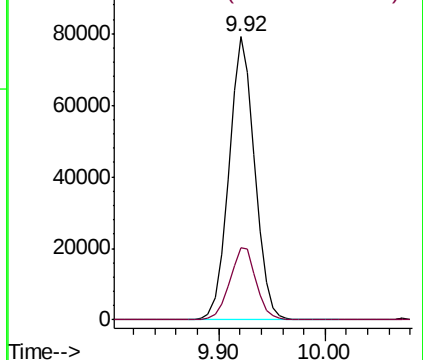
63 100

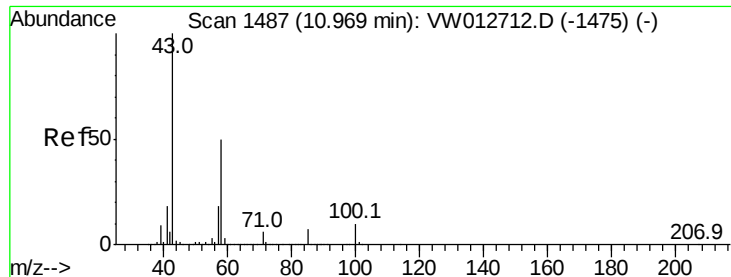
106 26.1 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 74.531 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

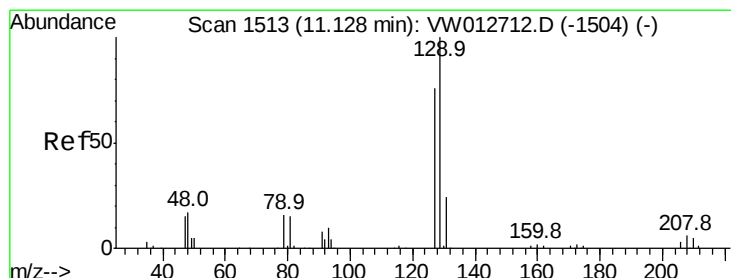
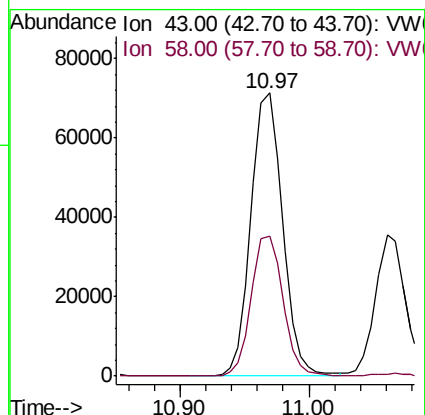
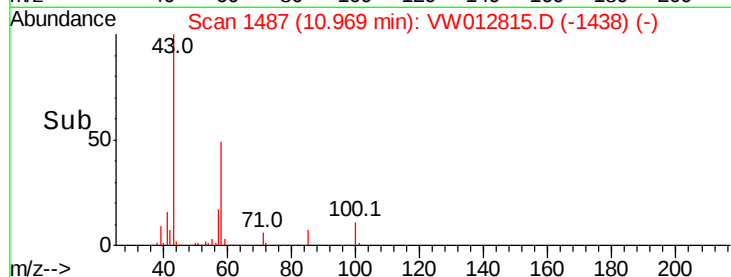
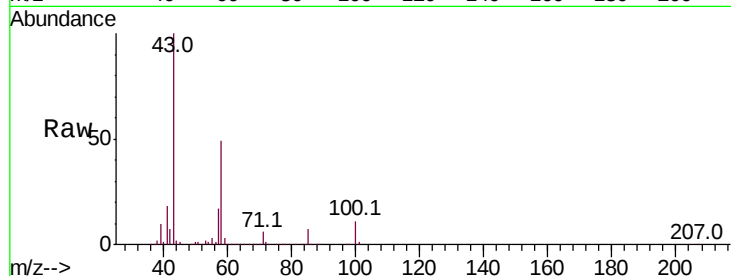
ClientSampleId :

Tot Ion: 43 Resp: 121485

Ion Ratio Lower Upper

43 100

58 49.6 24.7 74.1



#60

Dibromochloromethane

Concen: 18.037 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW012815.D

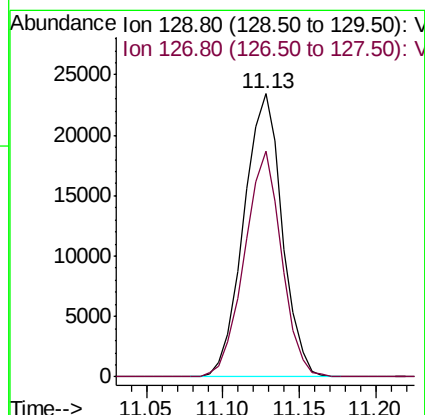
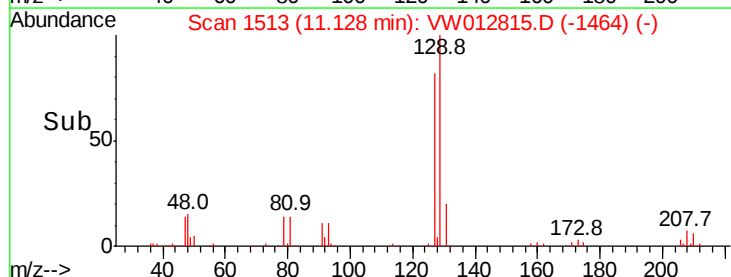
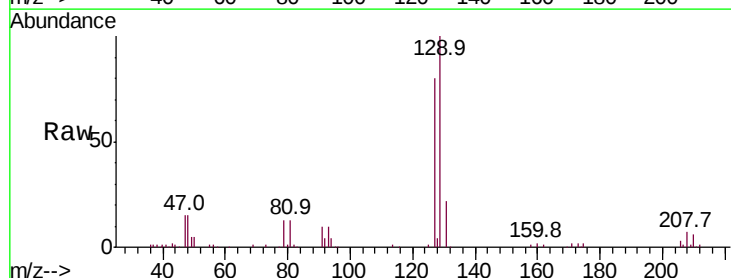
Acq: 09 Sep 2019 12:31

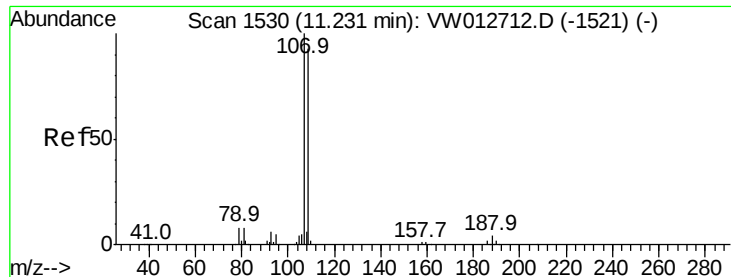
Tgt Ion: 129 Resp: 40741

Ion Ratio Lower Upper

129 100

127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.723 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

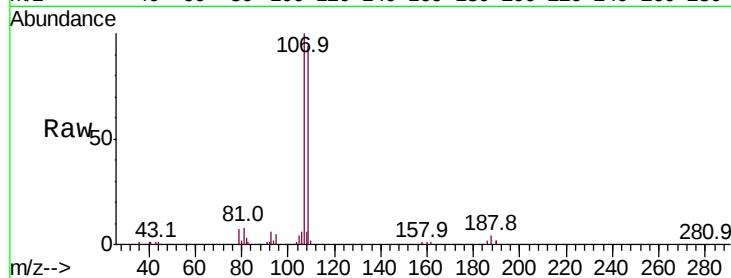
ClientSampleId :

Tot Ion:107 Resp: 32967

Ion Ratio Lower Upper

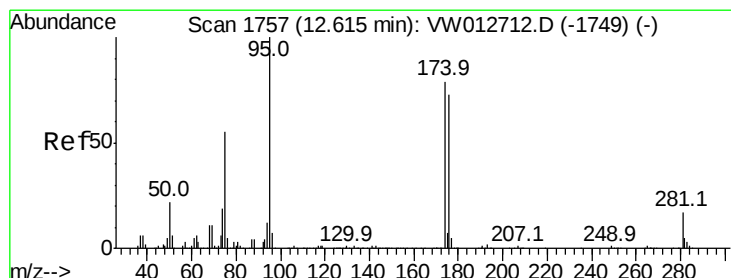
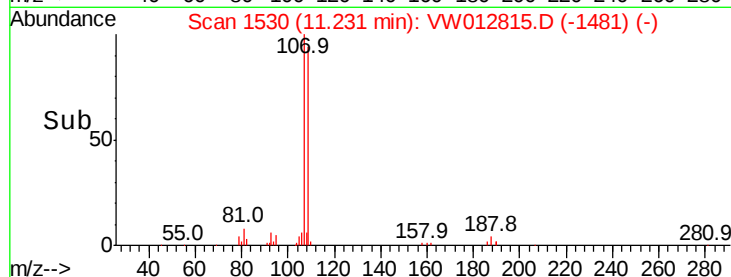
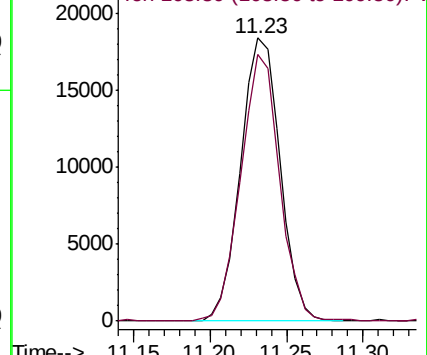
107 100

109 92.8 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.977 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

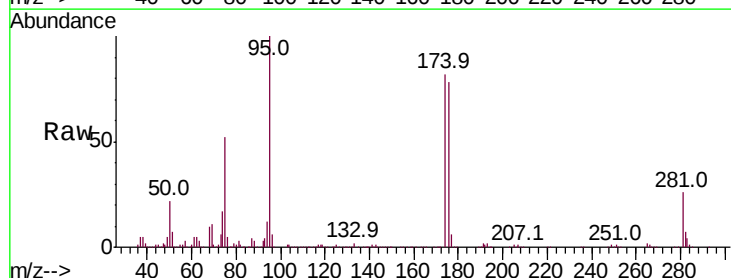
Tgt Ion: 95 Resp: 160741

Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.0

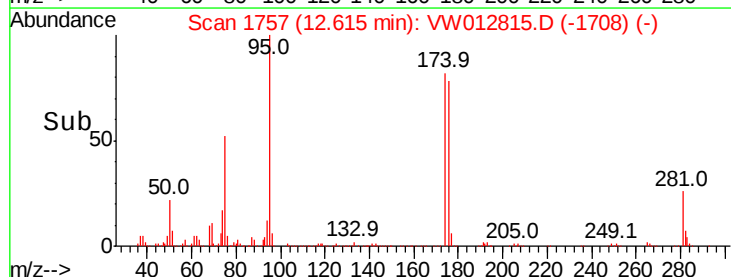
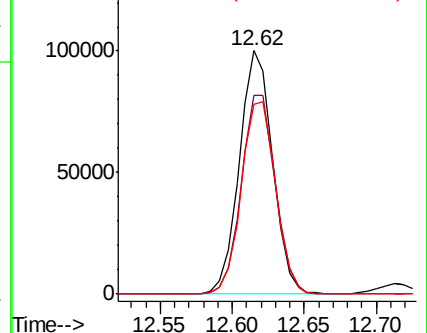
176 81.4 0.0 156.4

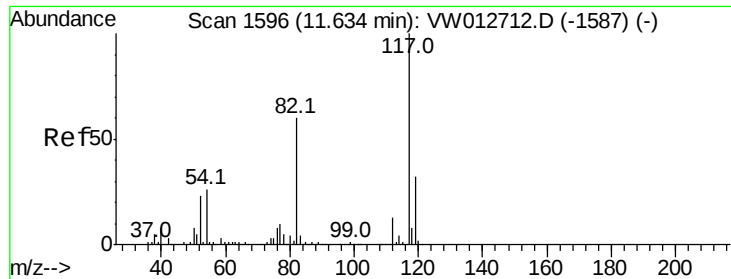


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

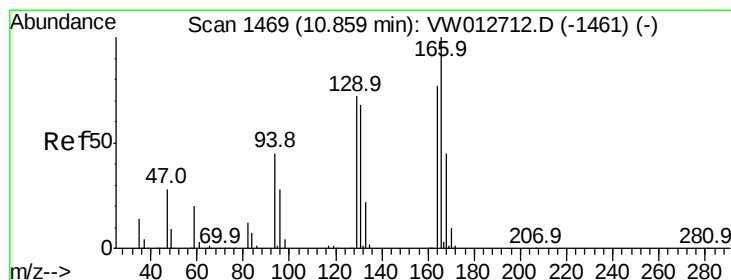
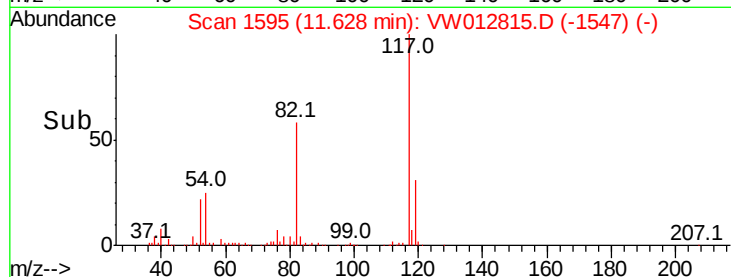
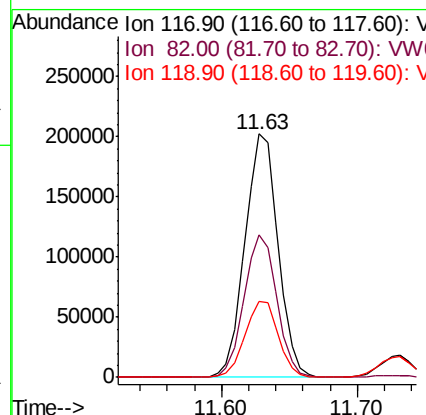
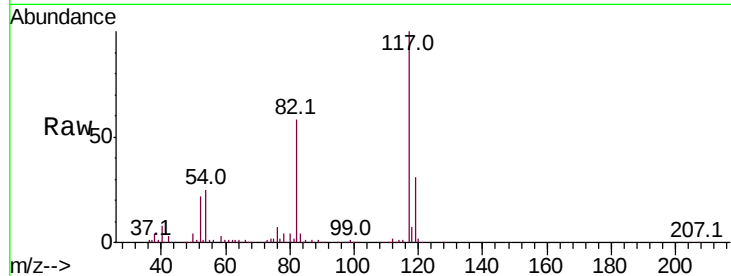




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

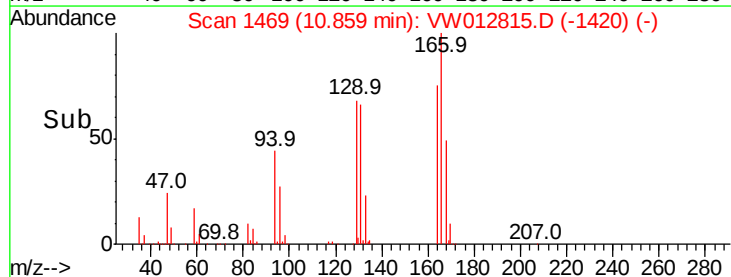
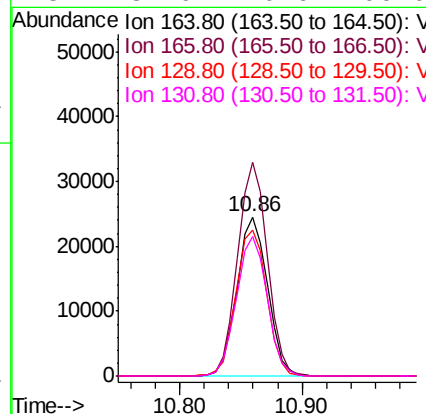
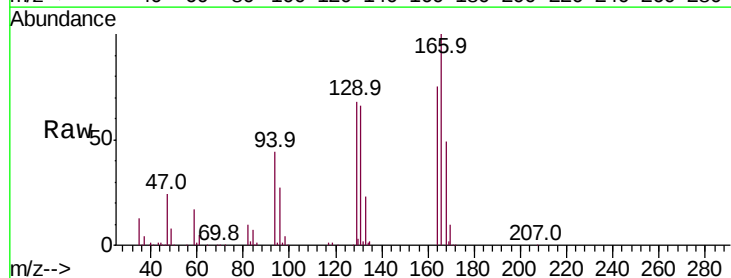
Instrument :
MSVOA_W
ClientSampled :

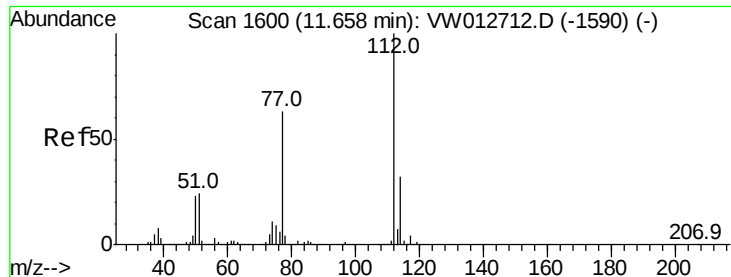
Tot Ion:117 Resp: 344254
Ion Ratio Lower Upper
117 100
82 58.3 48.2 72.4
119 31.2 25.8 38.6



#64
Tetrachloroethene
Concen: 20.268 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion:164 Resp: 42338
Ion Ratio Lower Upper
164 100
166 134.1 103.6 155.4
129 91.4 74.6 112.0
131 87.9 70.6 106.0

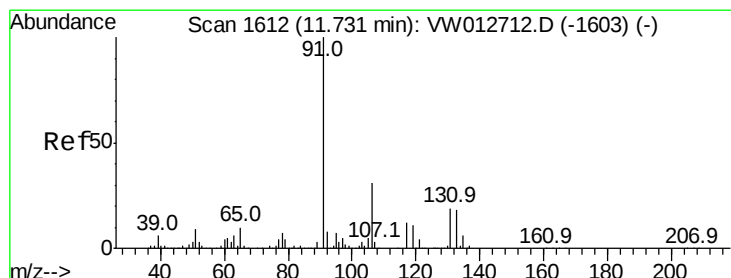
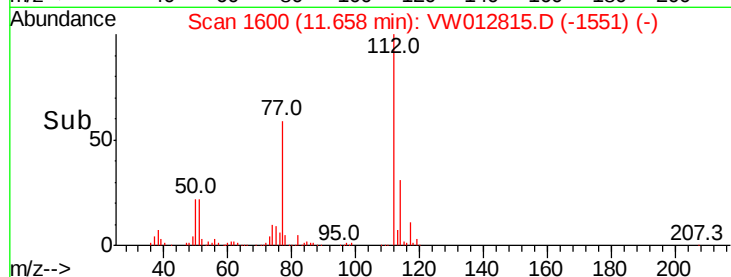
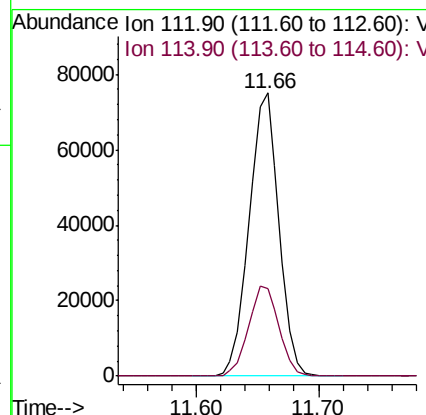
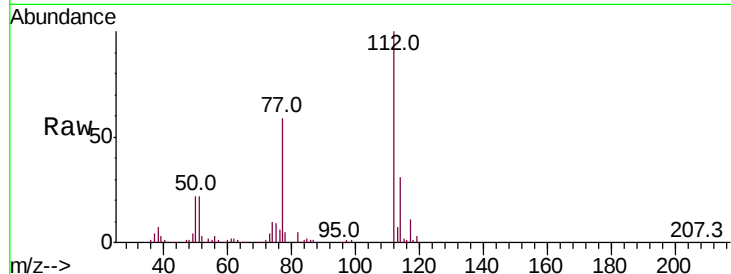




#65
Chlorobenzene
Concen: 19.474 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

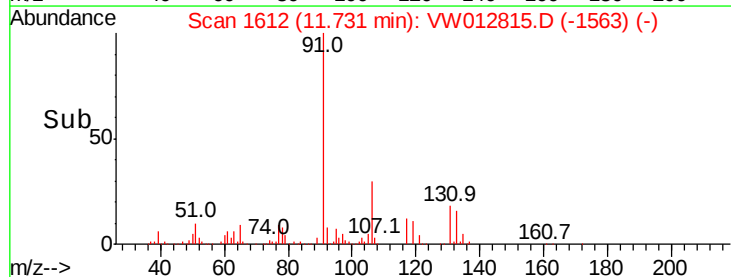
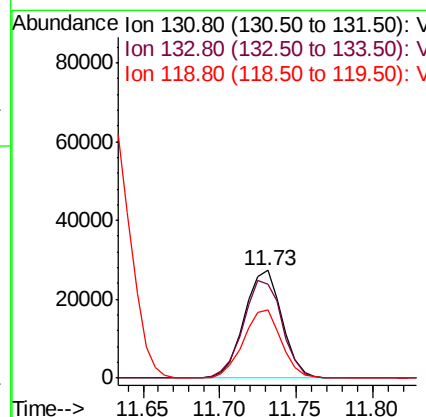
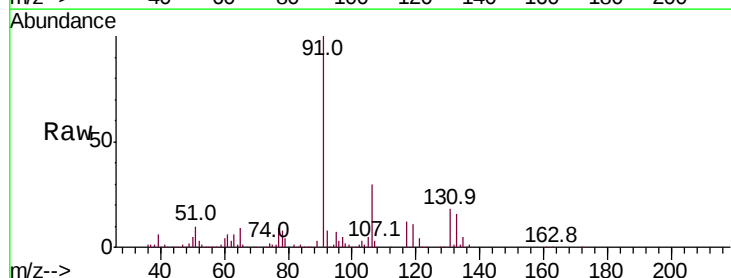
Instrument :
MSVOA_W
ClientSampleId :

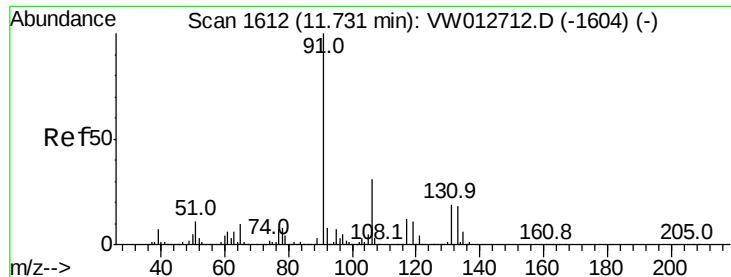
Tot Ion:112 Resp: 126708
Ion Ratio Lower Upper
112 100
114 30.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.323 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion:131 Resp: 46820
Ion Ratio Lower Upper
131 100
133 93.9 47.6 142.8
119 63.7 30.6 92.0

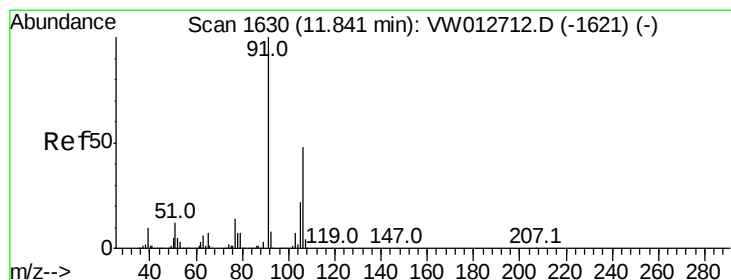
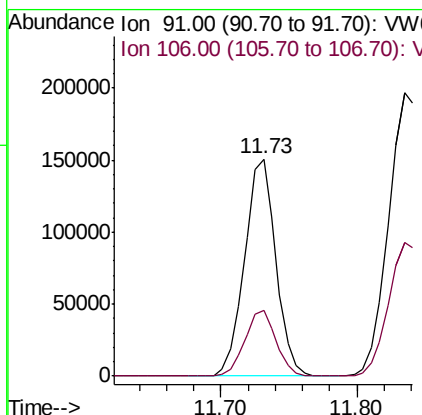
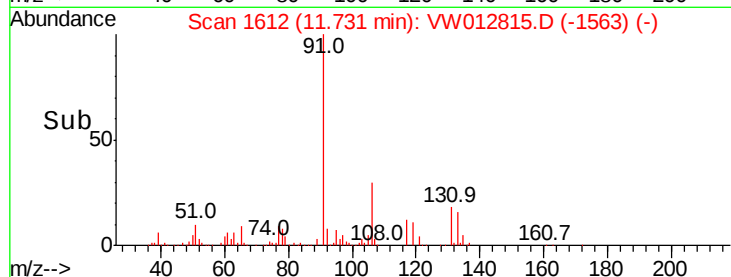
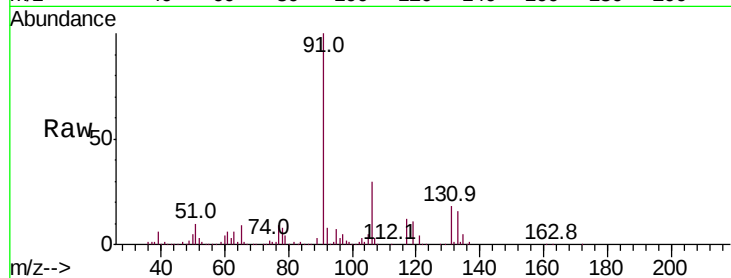




#67
Ethyl Benzene
Concen: 19.850 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

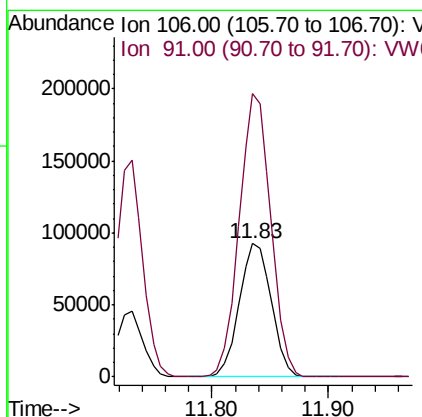
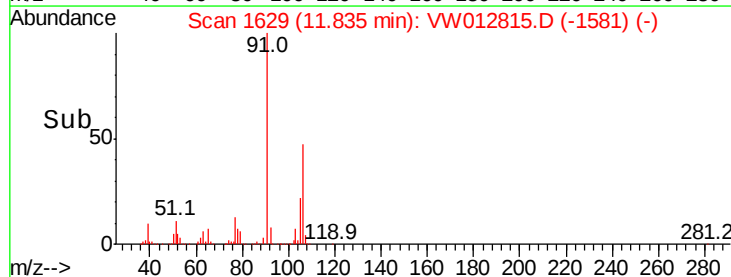
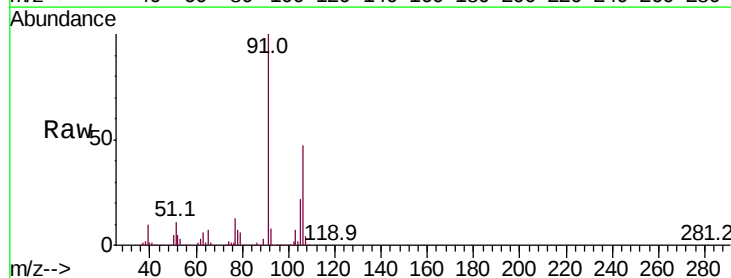
Instrument :
MSVOA_W
ClientSampled :

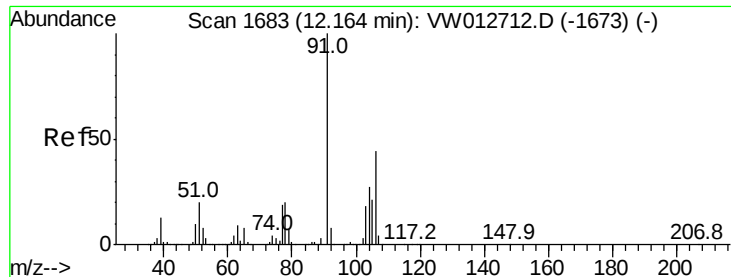
Tot Ion: 91 Resp: 242321
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6



#68
m/p-Xylenes
Concen: 40.358 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion:106 Resp: 177837
Ion Ratio Lower Upper
106 100
91 208.0 168.2 252.4

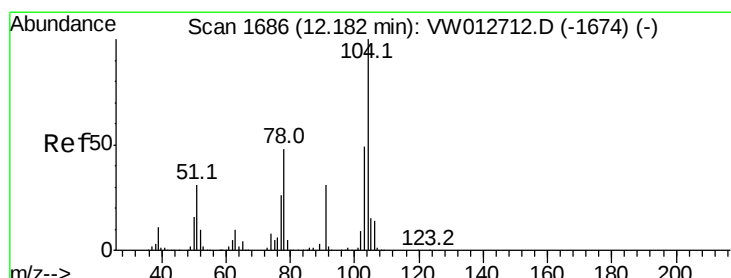
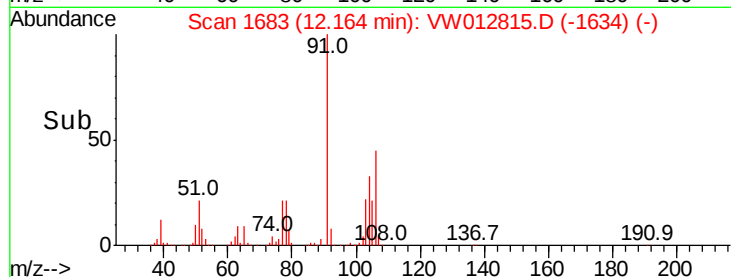
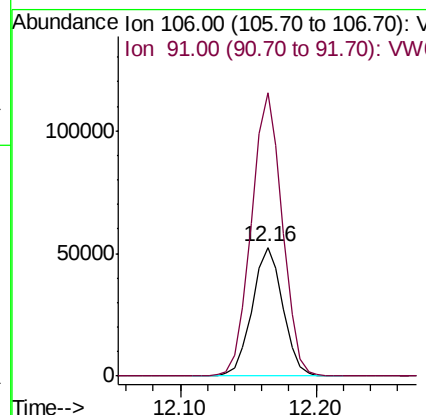
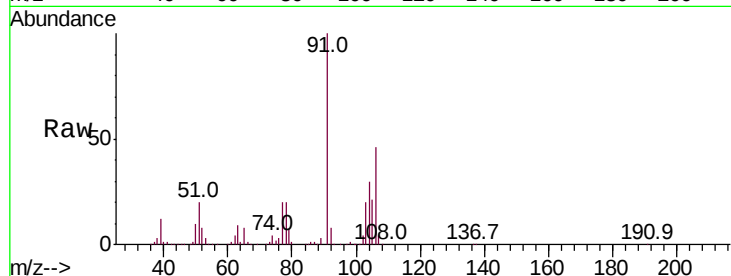




#69
o-Xylene
Concen: 19.970 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

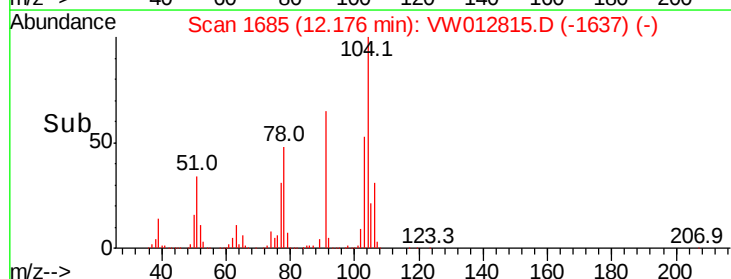
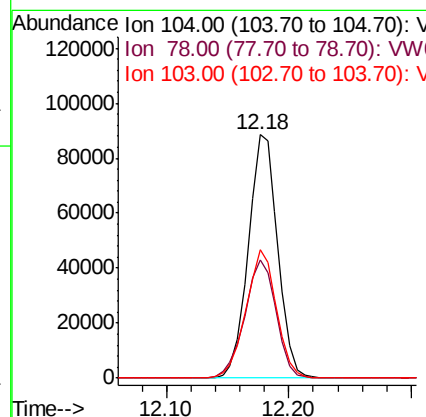
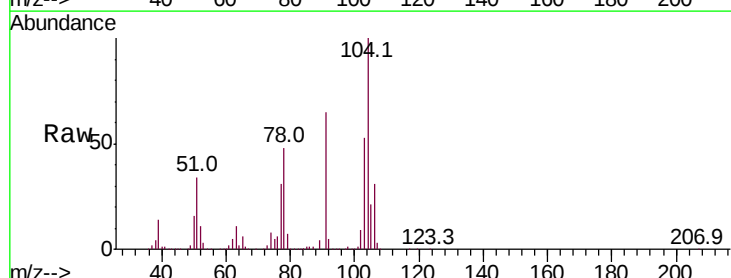
Instrument :
MSVOA_W
ClientSampled :

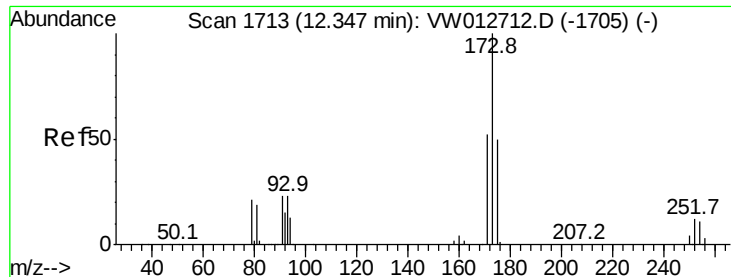
Tot Ion:106 Resp: 83020
Ion Ratio Lower Upper
106 100
91 222.0 112.3 336.8



#70
Styrene
Concen: 20.047 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion:104 Resp: 147264
Ion Ratio Lower Upper
104 100
78 52.0 43.3 64.9
103 54.6 44.0 66.0





#71

Bromoform

Concen: 17.708 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

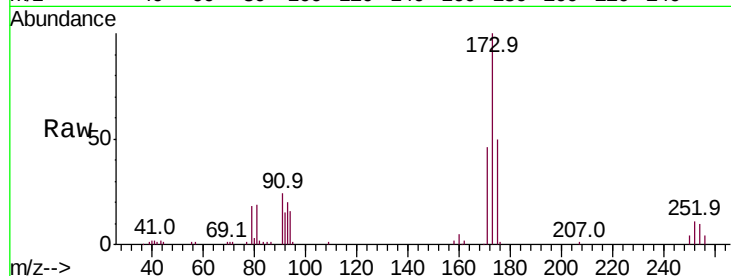
Tot Ion:173 Resp: 23839

Ion Ratio Lower Upper

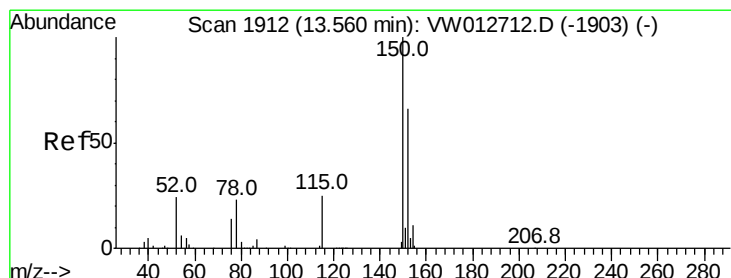
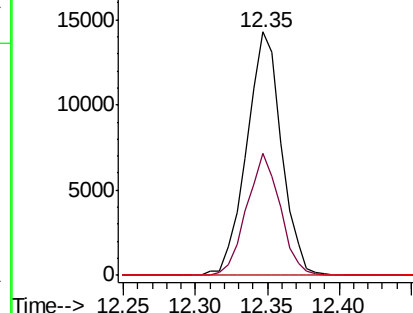
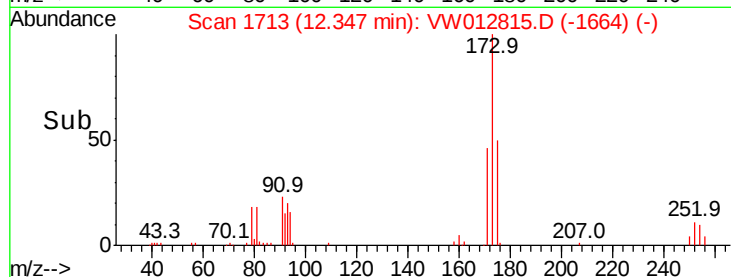
173 100

175 48.3 24.8 74.3

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. -0.01 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

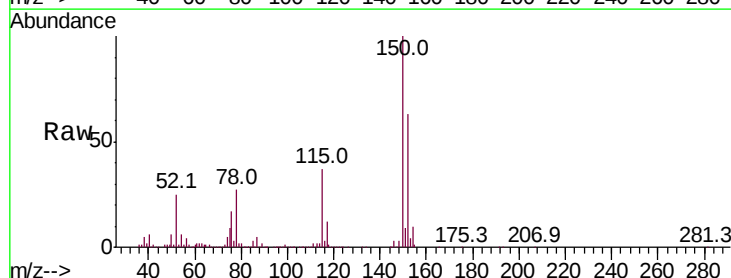
Tgt Ion:152 Resp: 169715

Ion Ratio Lower Upper

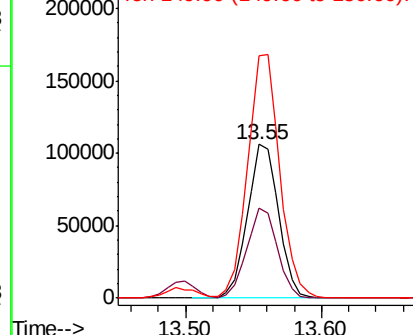
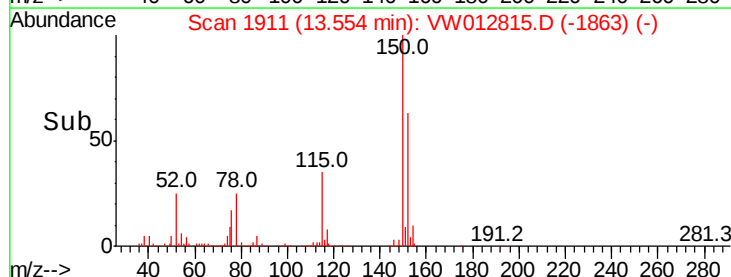
152 100

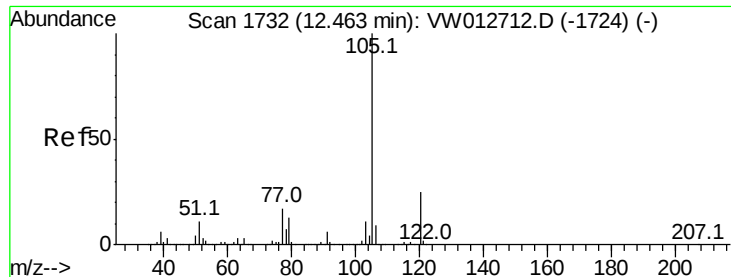
115 57.8 30.0 90.1

150 163.6 0.0 349.0



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

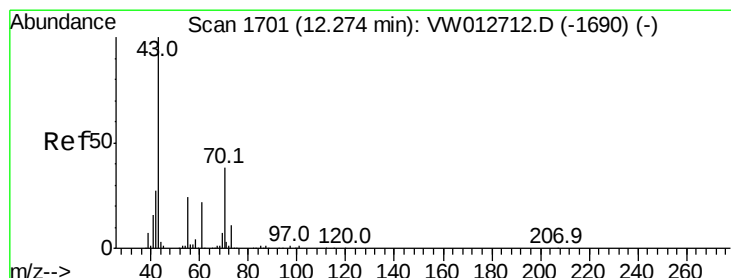
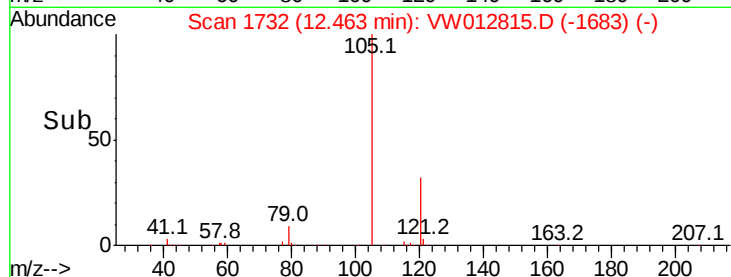
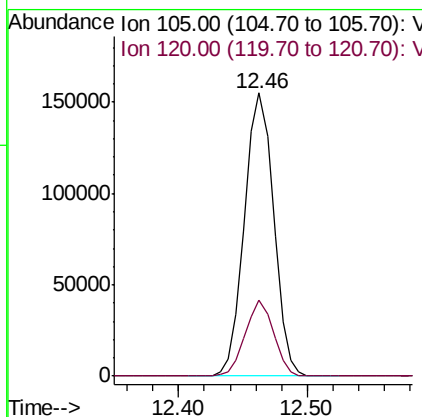
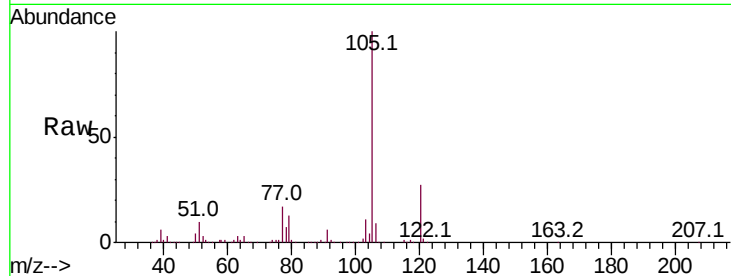




#73
Isopropylbenzene
Concen: 19.941 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

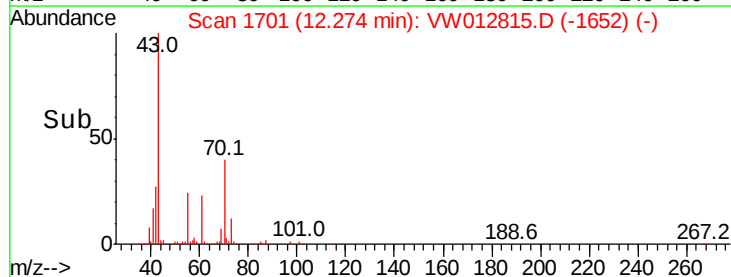
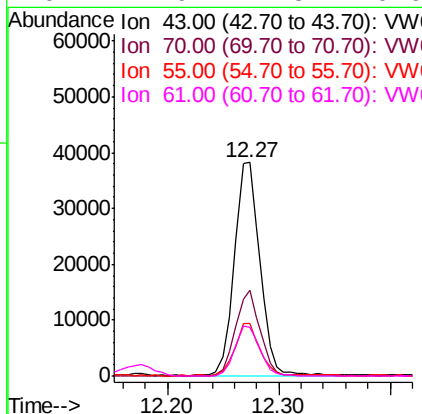
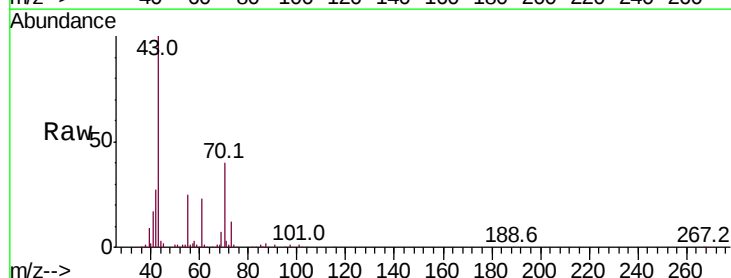
Instrument :
MSVOA_W
ClientSampleId :

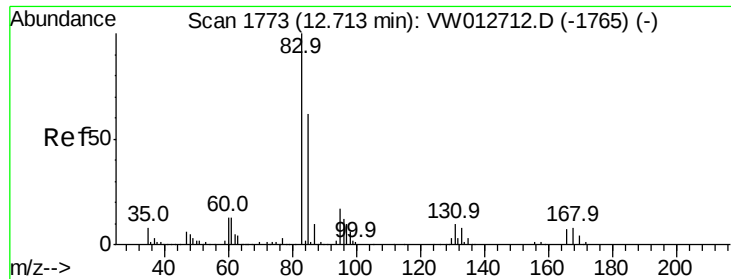
Tot Ion:105 Resp: 242733
Ion Ratio Lower Upper
105 100
120 25.9 13.0 38.9



#74
N-ethyl acetate
Concen: 15.653 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion: 43 Resp: 60479
Ion Ratio Lower Upper
43 100
70 38.8 29.4 44.0
55 23.5 18.6 27.8
61 22.9 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 16.556 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

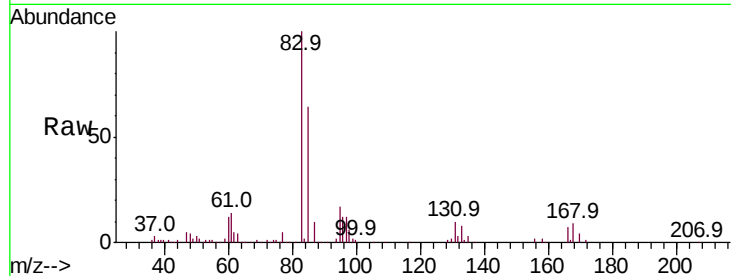
Tot Ion: 83 Resp: 40473

Ion Ratio Lower Upper

83 100

131 11.1 5.1 15.4

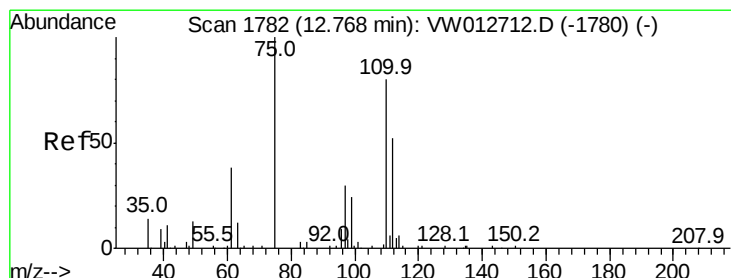
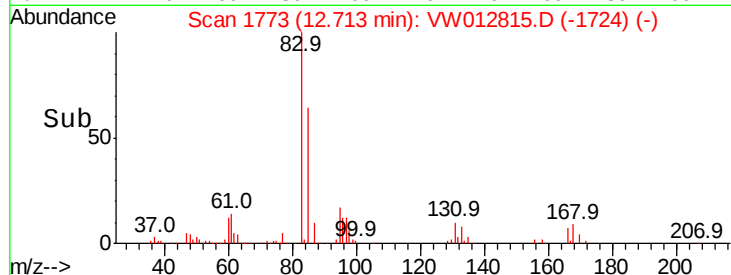
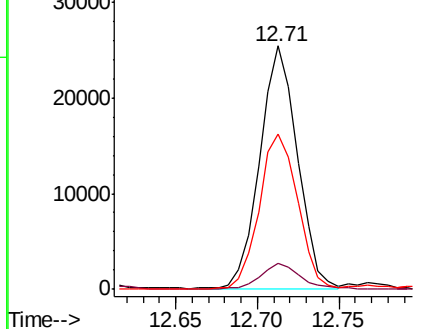
85 65.6 31.4 94.2



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: 31.324 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012815.D

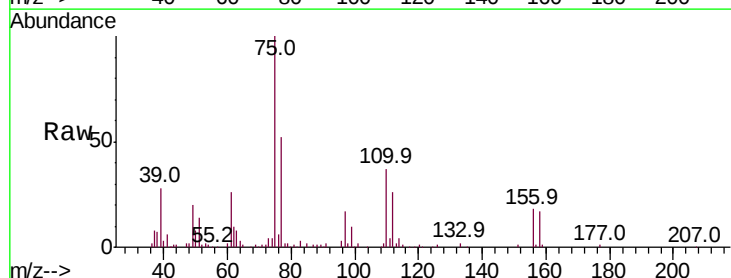
Acq: 09 Sep 2019 12:31

Tgt Ion: 75 Resp: 54360

Ion Ratio Lower Upper

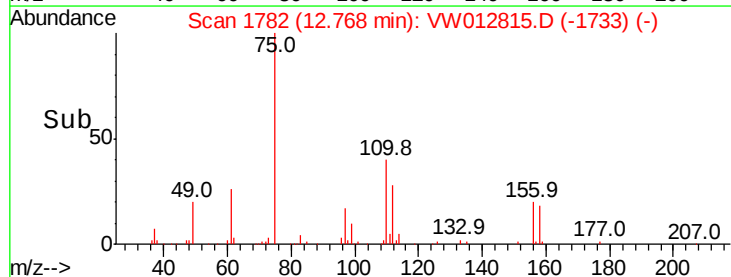
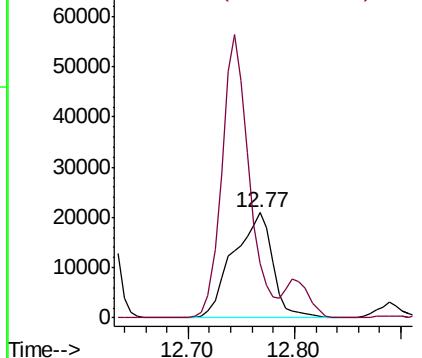
75 100

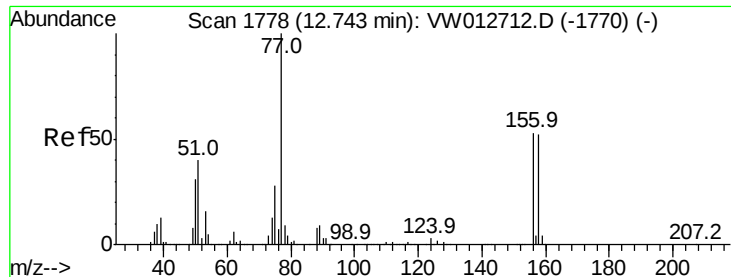
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.219 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampled :

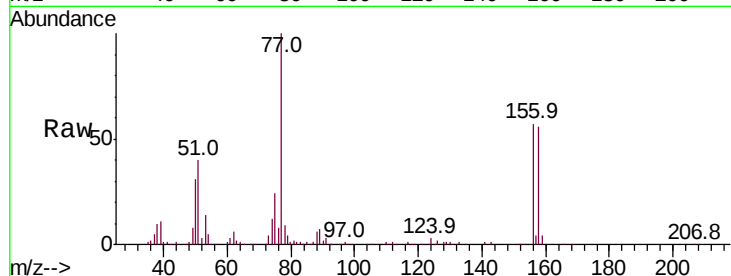
Tot Ion:156 Resp: 53001

Ion Ratio Lower Upper

156 100

77 192.0 102.3 306.9

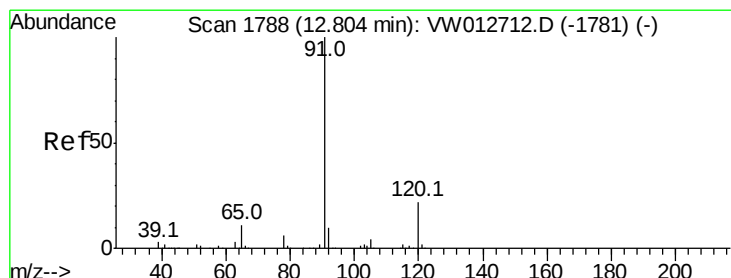
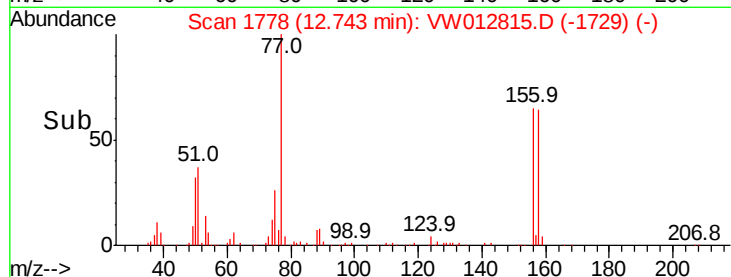
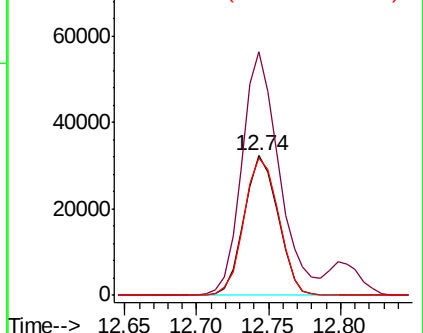
158 100.2 48.9 146.8



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: 19.450 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012815.D

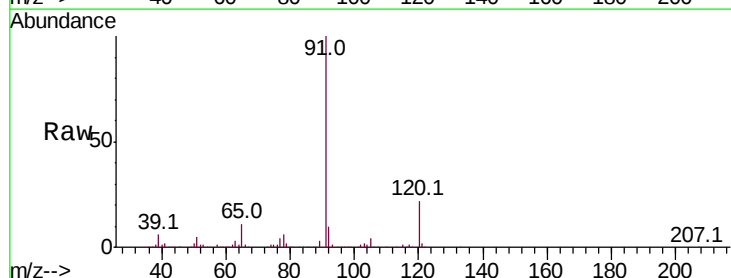
Acq: 09 Sep 2019 12:31

Tgt Ion: 91 Resp: 283153

Ion Ratio Lower Upper

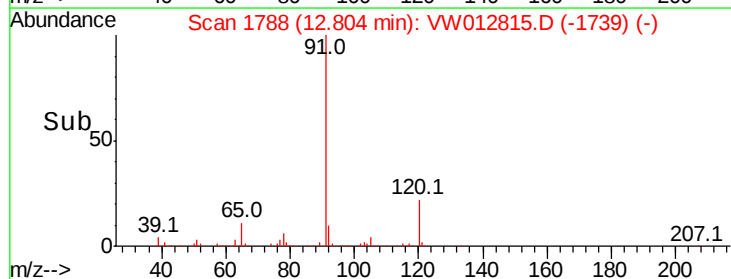
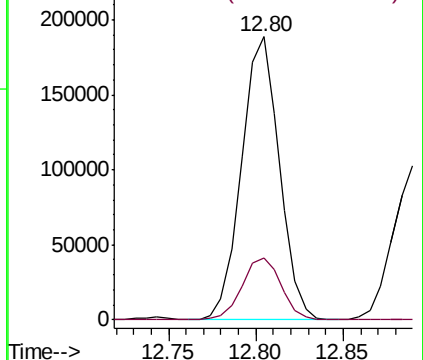
91 100

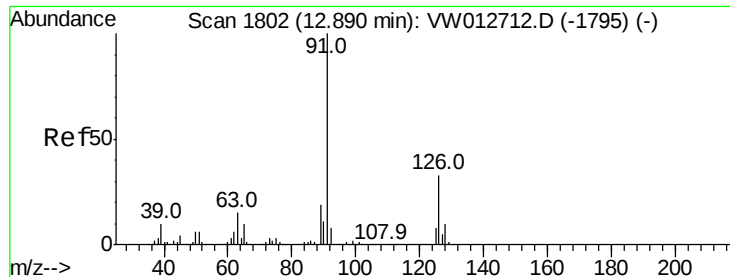
120 22.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.505 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

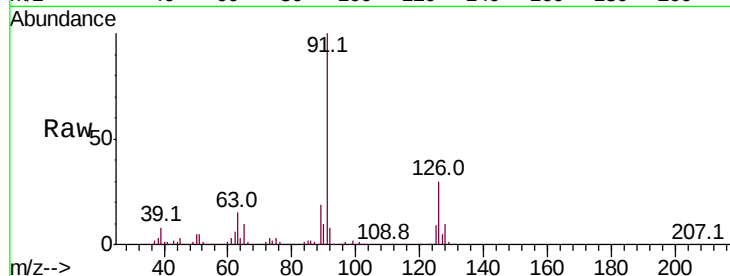
ClientSampled :

Tot Ion: 91 Resp: 163010

Ion Ratio Lower Upper

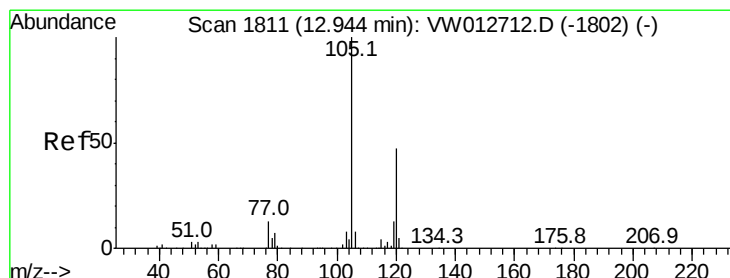
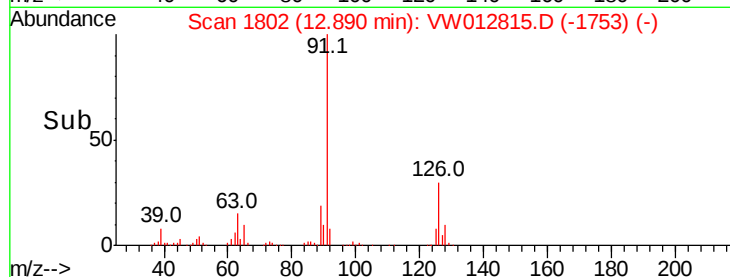
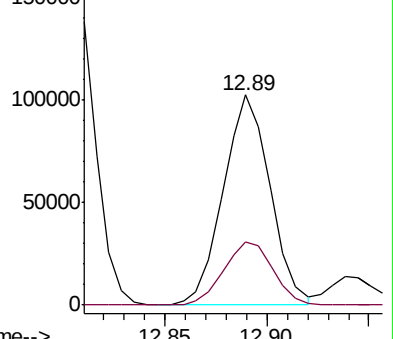
91 100

126 31.8 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.953 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012815.D

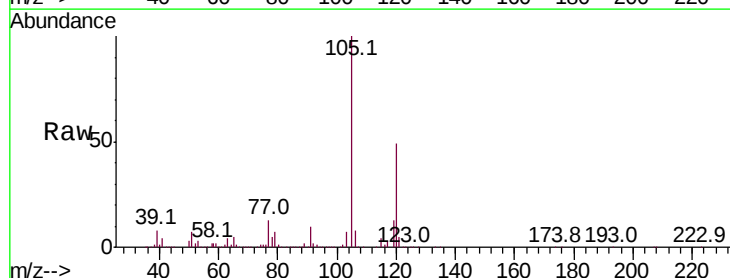
Acq: 09 Sep 2019 12:31

Tgt Ion:105 Resp: 204654

Ion Ratio Lower Upper

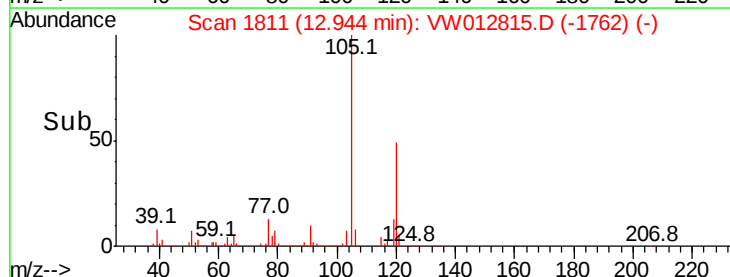
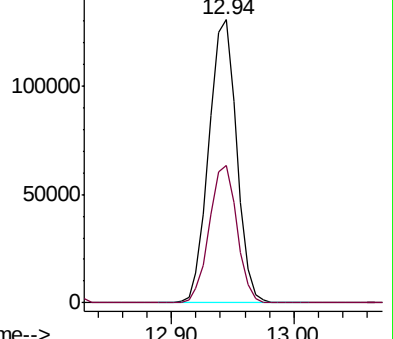
105 100

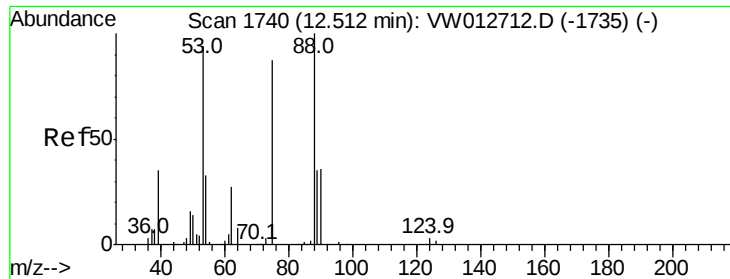
120 48.5 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.158 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

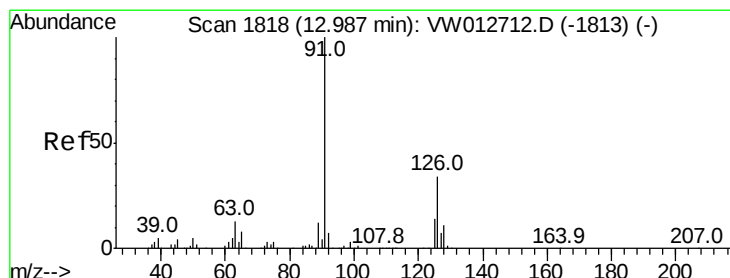
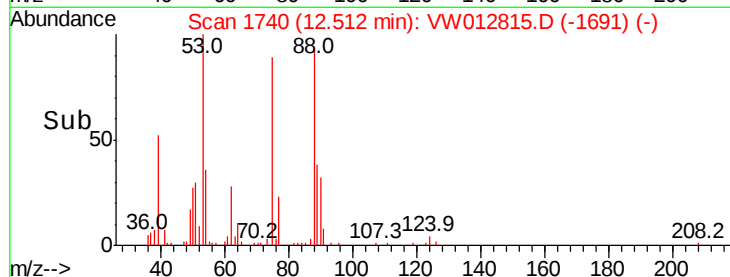
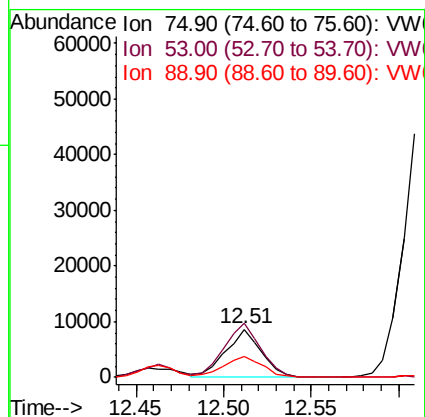
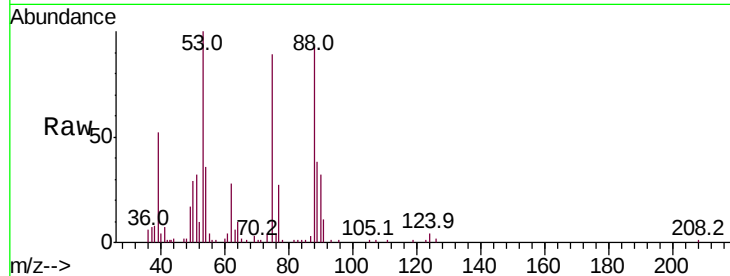
Tot Ion: 75 Resp: 12437

Ion Ratio Lower Upper

75 100

53 116.0 87.6 131.4

89 46.8 35.5 53.3



#82

4-Chlorotoluene

Concen: 19.367 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012815.D

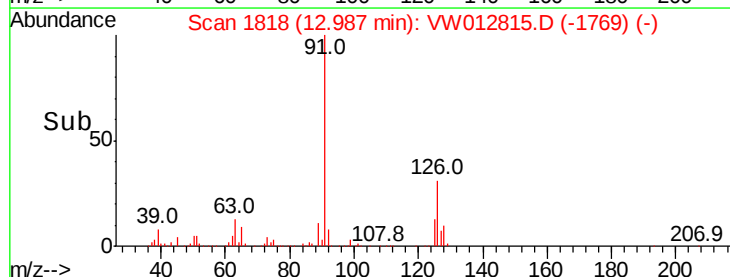
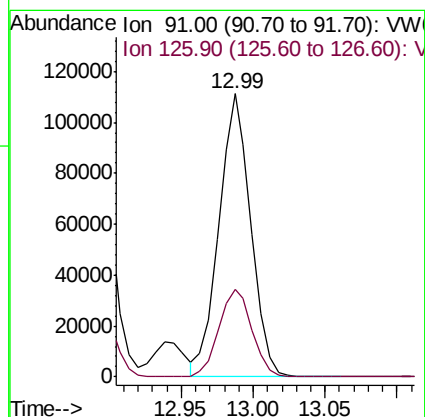
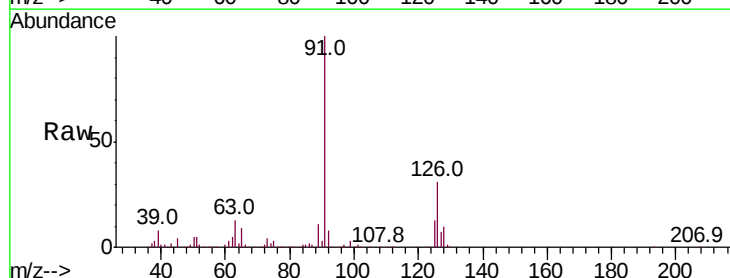
Acq: 09 Sep 2019 12:31

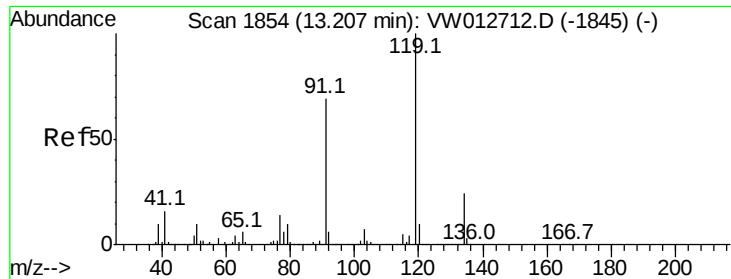
Tgt Ion: 91 Resp: 171208

Ion Ratio Lower Upper

91 100

126 32.4 15.9 47.6

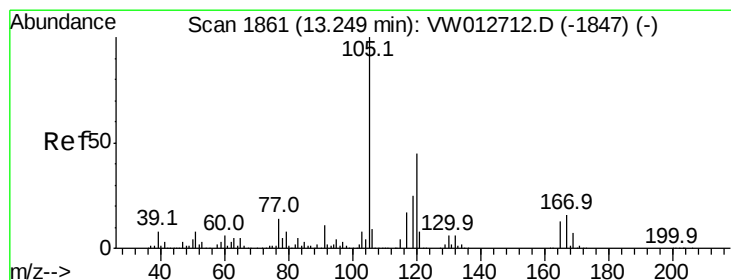
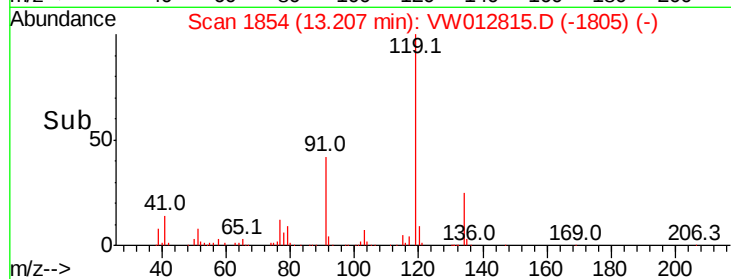
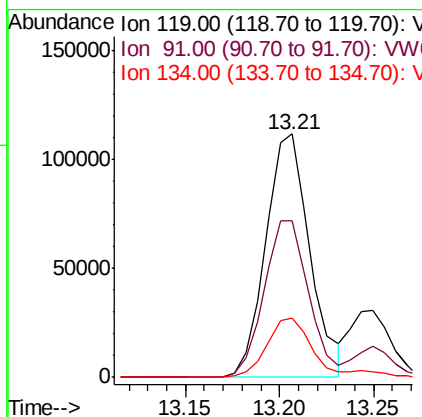
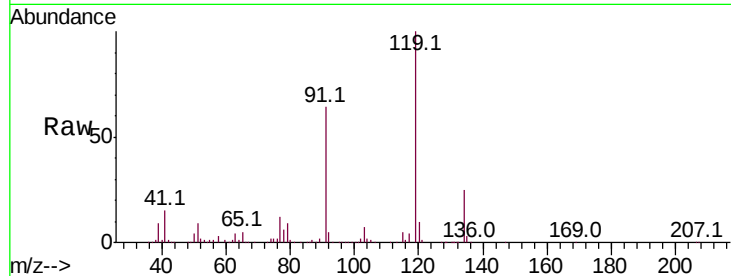




#83
 tert-Butylbenzene
 Concen: 19.985 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

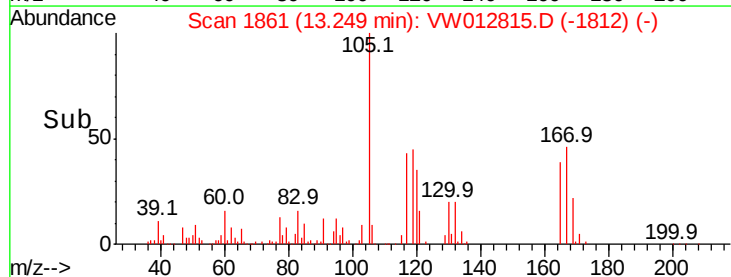
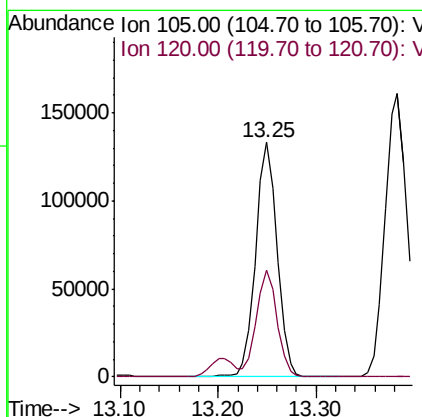
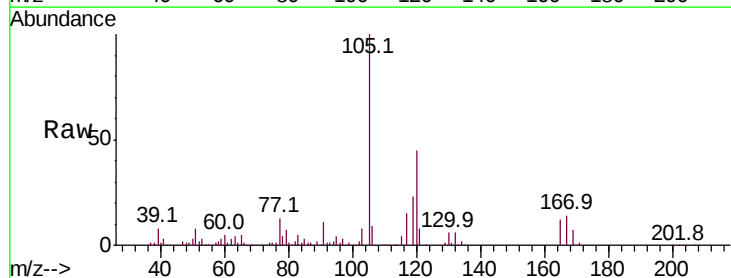
Instrument :
 MSVOA_W
 ClientSampled :

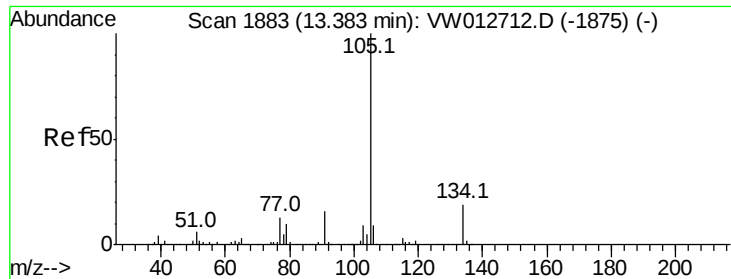
Tot Ion:119 Resp: 181246
 Ion Ratio Lower Upper
 119 100
 91 65.2 34.2 102.5
 134 24.6 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.707 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

Tgt Ion:105 Resp: 203674
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.3





#85

sec-Butylbenzene

Concen: 19.893 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

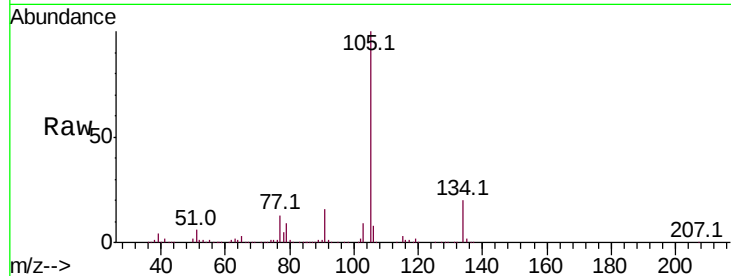
ClientSampleId :

Tot Ion:105 Resp: 250351

Ion Ratio Lower Upper

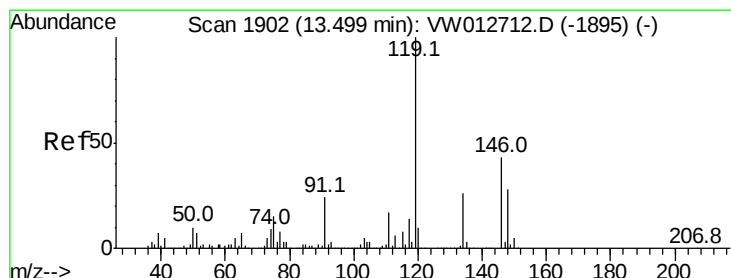
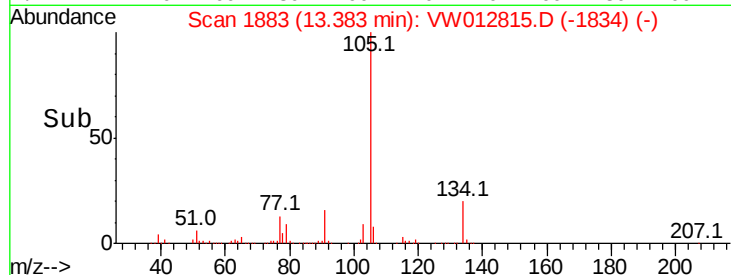
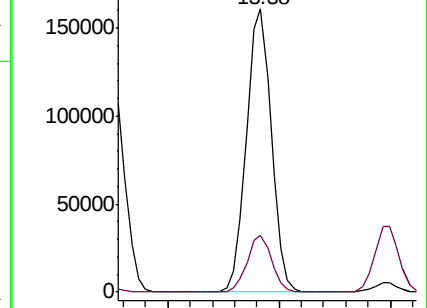
105 100

134 19.7 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.689 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

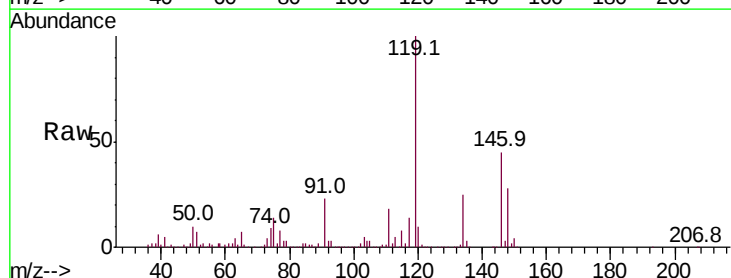
Tgt Ion:119 Resp: 226326

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

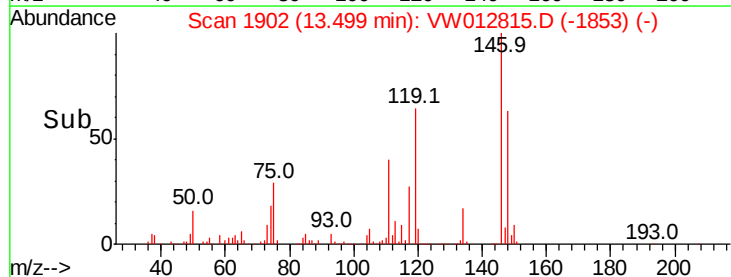
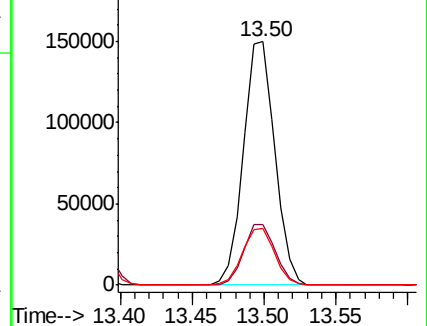
91 23.9 12.2 36.6

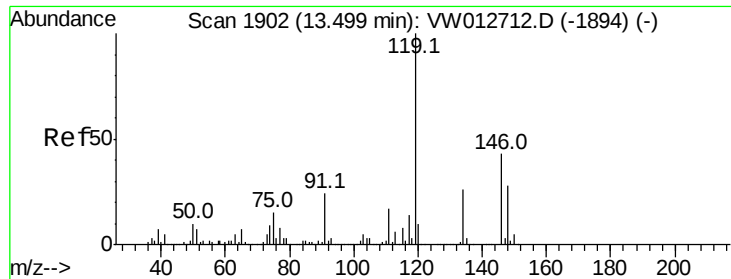


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.421 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012815.D

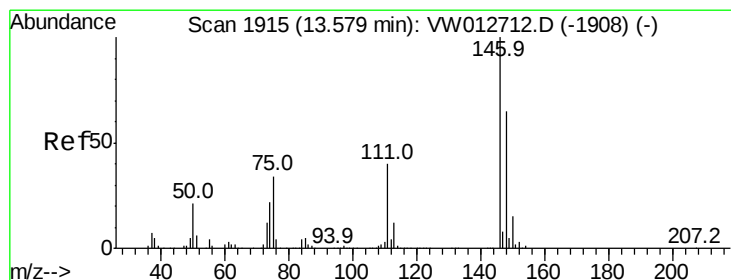
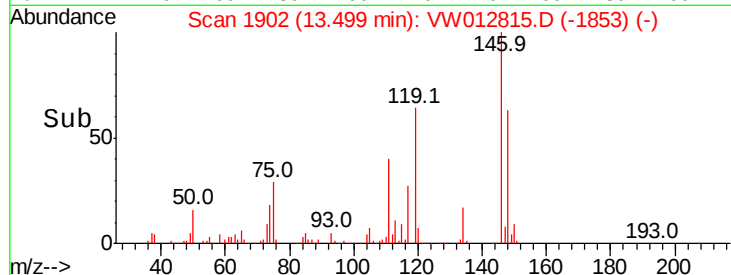
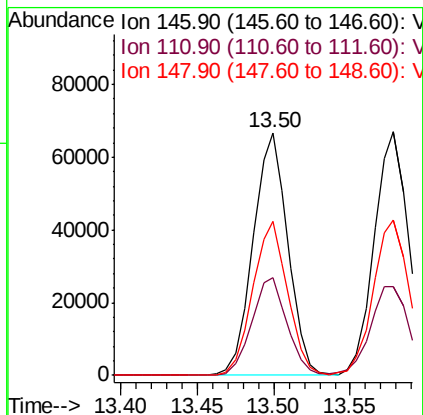
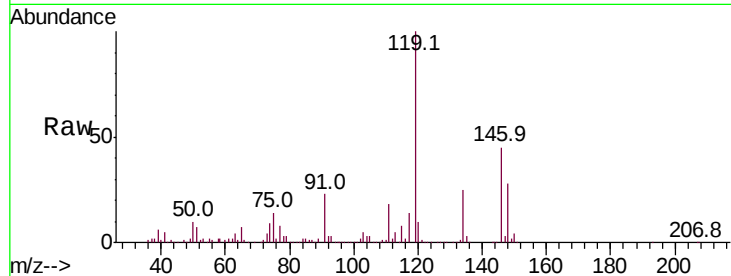
Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	105271
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.2
148	63.4	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 19.461 ug/l

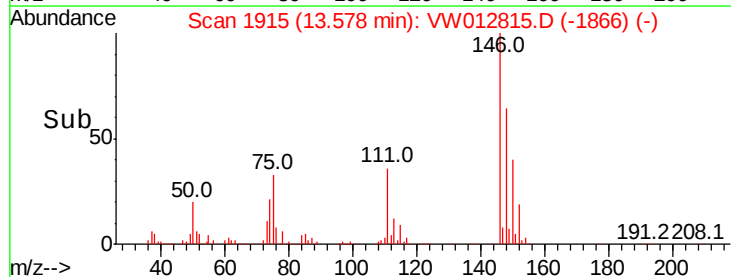
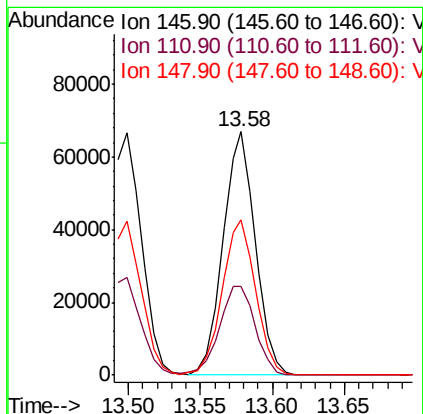
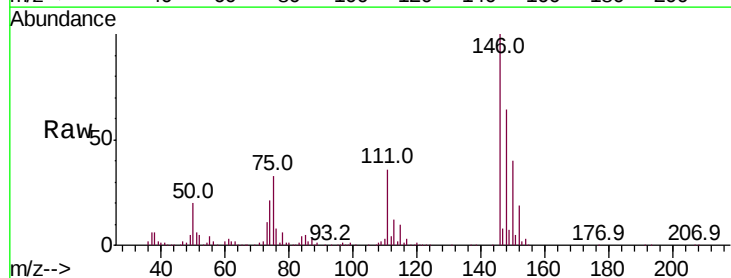
RT: 13.58 min Scan# 1915

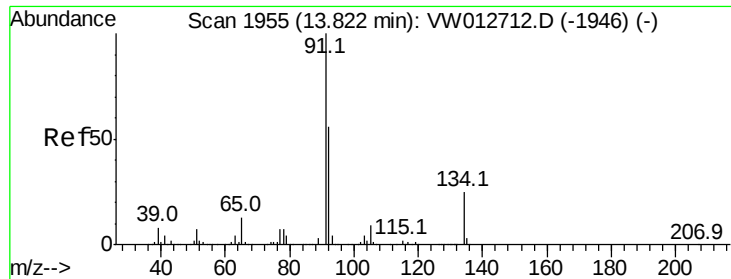
Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Tgt Ion:	146	Resp:	104968
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	66.1	32.2	96.6

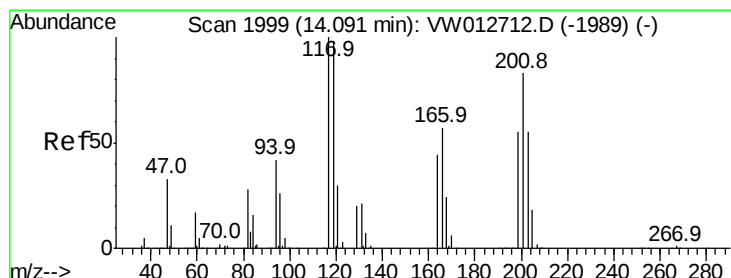
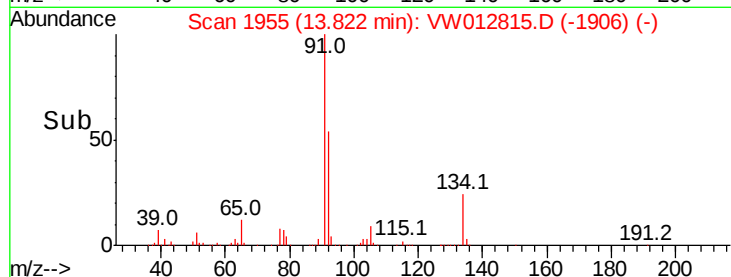
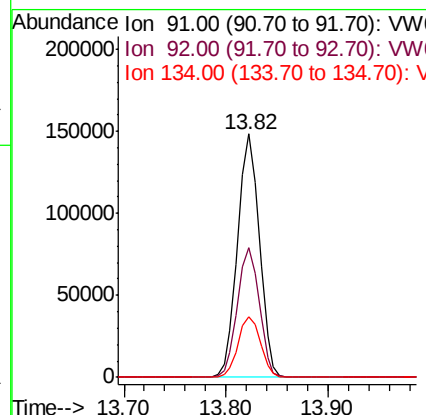
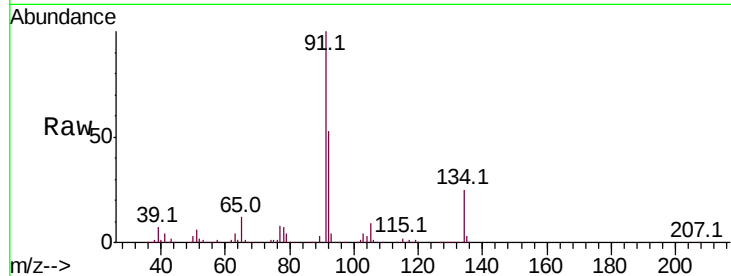




#89
n-Butylbenzene
Concen: 19.674 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

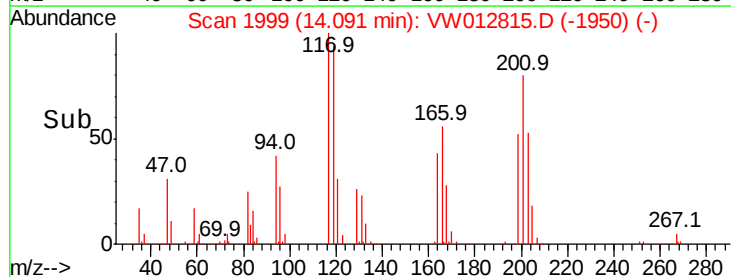
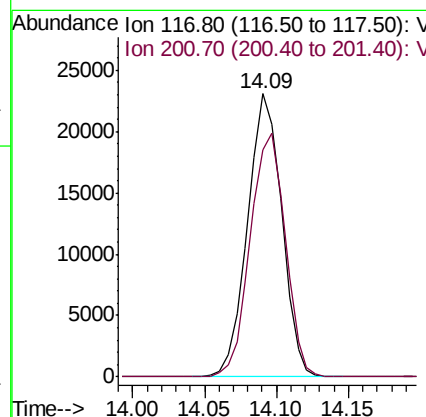
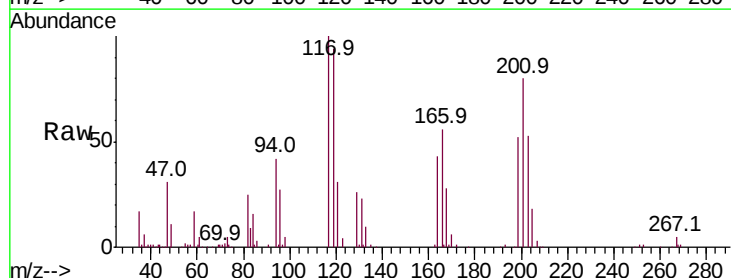
Instrument :
MSVOA_W
ClientSampleId :

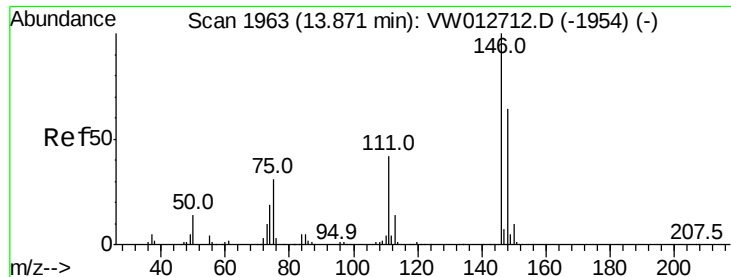
Tot Ion: 91 Resp: 219558
Ion Ratio Lower Upper
91 100
92 53.4 27.2 81.5
134 25.6 12.7 38.1



#90
Hexachloroethane
Concen: 18.932 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012815.D
Acq: 09 Sep 2019 12:31

Tgt Ion: 117 Resp: 37993
Ion Ratio Lower Upper
117 100
201 87.7 42.8 128.4





#91

1,2-Dichlorobenzene

Concen: 19.237 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

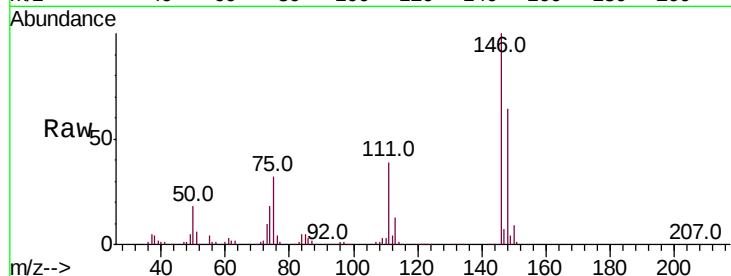
Tot Ion:146 Resp: 93853

Ion Ratio Lower Upper

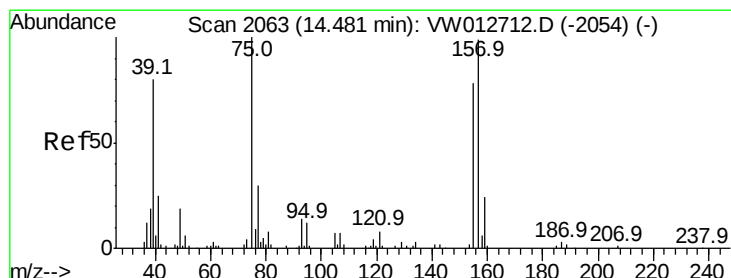
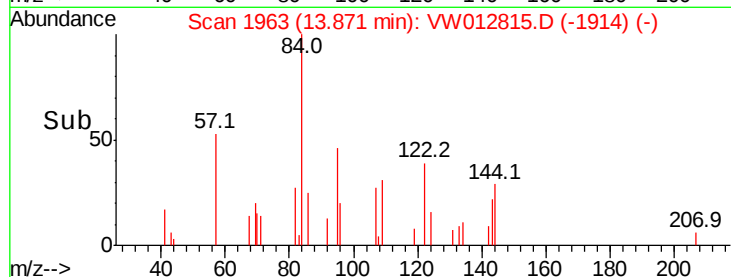
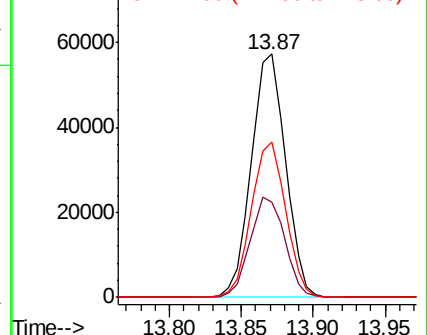
146 100

111 41.9 21.3 63.9

148 64.0 32.1 96.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.697 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

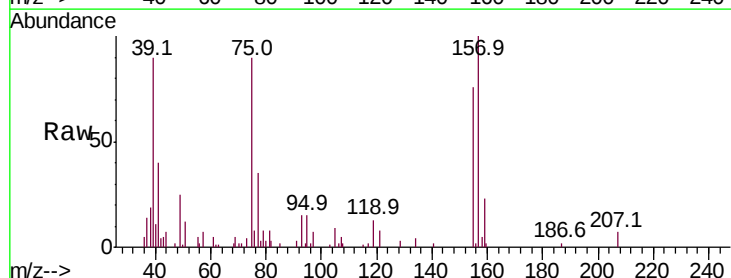
Tgt Ion: 75 Resp: 6575

Ion Ratio Lower Upper

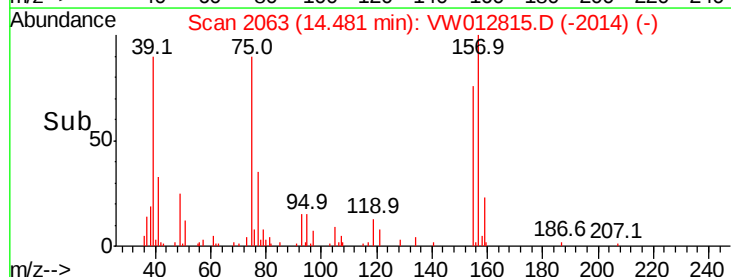
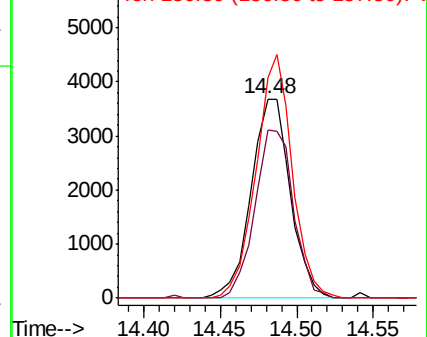
75 100

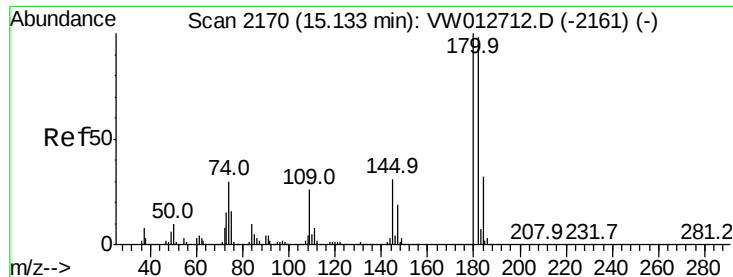
155 83.1 40.6 122.0

157 112.5 52.5 157.5



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

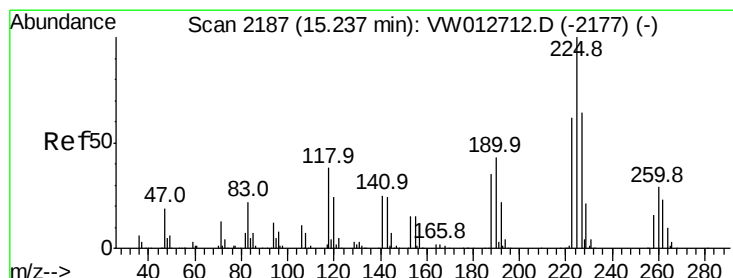
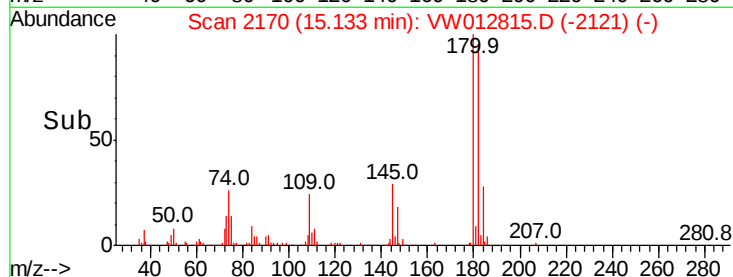
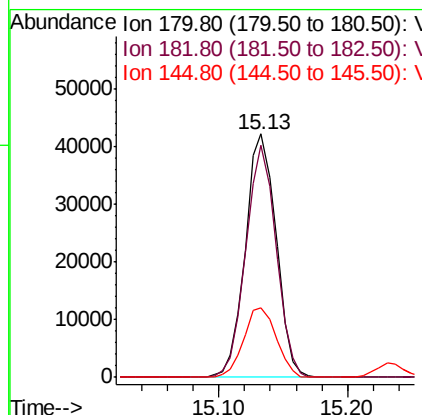
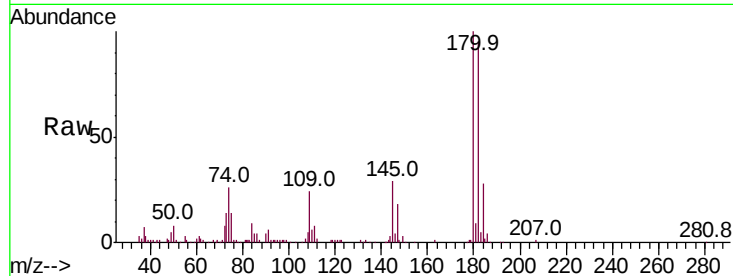




#93
 1,2,4-Trichlorobenzene
 Concen: 20.473 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

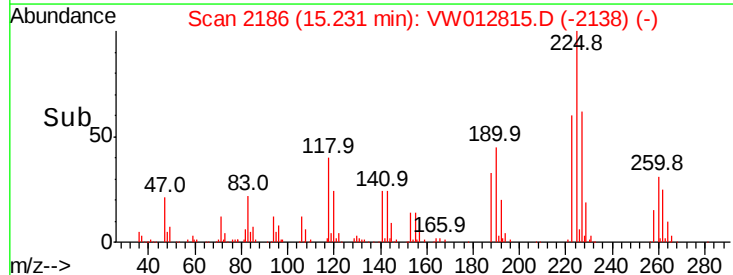
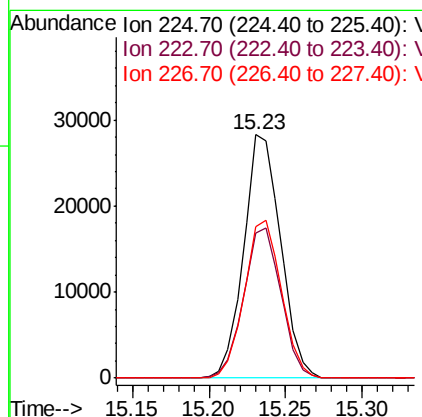
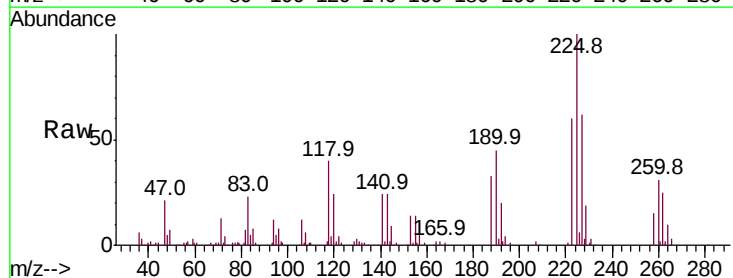
Instrument :
 MSVOA_W
 ClientSampled :

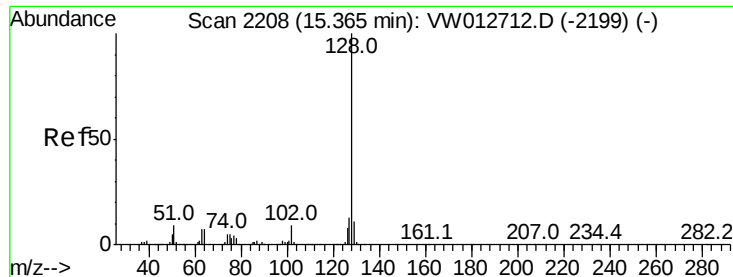
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.7	146.1
145	30.3	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 20.167 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012815.D
 Acq: 09 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.3
227	65.2	31.4	94.2





#95

Naphthalene

Concen: 19.135 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

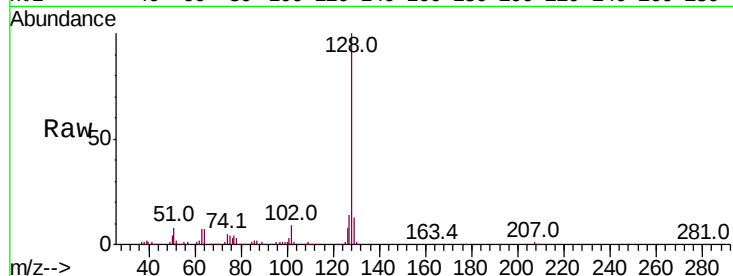
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 114835

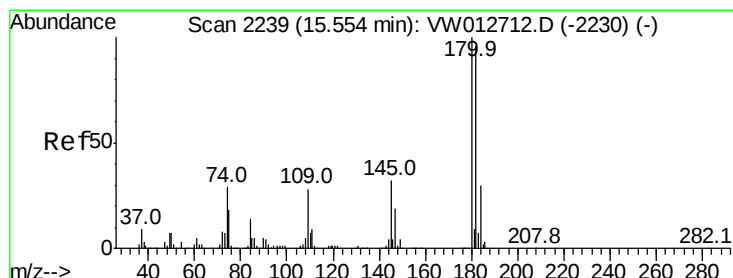
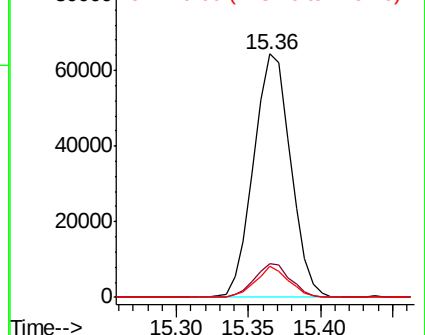
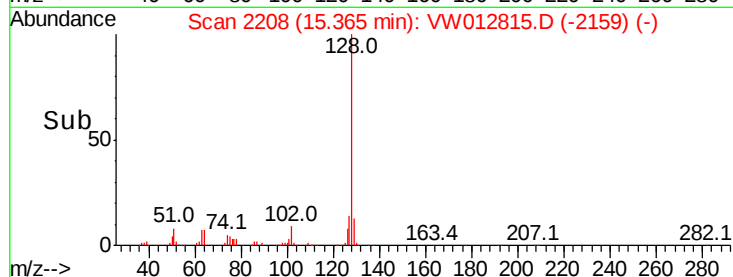
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.7	16.1
129	11.1	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.758 ug/l

RT: 15.55 min Scan# 2239

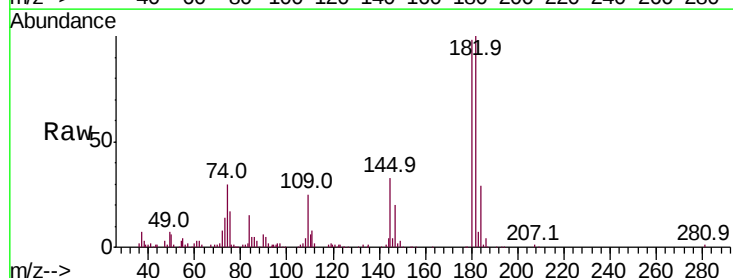
Delta R.T. -0.00 min

Lab File: VW012815.D

Acq: 09 Sep 2019 12:31

Tgt Ion:180 Resp: 59241

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.3
145	31.8	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

