

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012639.D
 Acq On : 05 Sep 2019 14:36
 Operator : SY/VA
 Sample : VW0905SBSD03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 05 15:48:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133908	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	7.88	113	107072	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
50) Toluene-d8	10.32	98	455500	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.62	95	165163	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	40095	27.944	ug/l	99
3) Chloromethane	2.21	50	47299	21.277	ug/l	98
4) Vinyl Chloride	2.36	62	55622	20.443	ug/l	96
5) Bromomethane	2.77	94	27326	19.831	ug/l	100
6) Chloroethane	2.91	64	29254	19.060	ug/l	99
7) Trichlorofluoromethane	3.25	101	31512	23.065	ug/l	94
8) Diethyl Ether	3.68	74	26082	20.113	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49897	21.486	ug/l	97
10) Methyl Iodide	4.26	142	63586	20.237	ug/l	99
11) Tert butyl alcohol	5.20	59	18711	112.240	ug/l	95
12) 1,1-Dichloroethene	4.03	96	46053	19.703	ug/l	99
13) Acrolein	3.90	56	9946	63.381	ug/l	96
14) Allyl chloride	4.67	41	95512	19.114	ug/l	96
15) Acrylonitrile	5.37	53	70233	109.266	ug/l	100
16) Acetone	4.13	43	68876	97.268	ug/l	98
17) Carbon Disulfide	4.38	76	106966	15.142	ug/l	98
18) Methyl Acetate	4.67	43	37497	21.380	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	90055	23.825	ug/l	97
20) Methylene Chloride	4.91	84	56947	21.273	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	50598	20.187	ug/l	98
22) Diisopropyl ether	6.31	45	203146	21.932	ug/l	98
23) Vinyl Acetate	6.25	43	616475	108.150	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109489	21.710	ug/l	99
25) 2-Butanone	7.18	43	103591	107.657	ug/l	98
26) 2,2-Dichloropropane	7.16	77	68198	23.891	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59064	22.056	ug/l	99
28) Bromochloromethane	7.51	49	43717	19.889	ug/l	94
29) Tetrahydrofuran	7.53	42	65938	114.218	ug/l	98
30) Chloroform	7.67	83	110654	23.982	ug/l	94
31) Cyclohexane	7.95	56	100910	20.224	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	87104	23.864	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83934	21.271	ug/l	99
37) Ethyl Acetate	7.25	43	47231	21.843	ug/l	98
38) Carbon Tetrachloride	8.07	117	78964	23.121	ug/l	98

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 05 15:48:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99336	22.409	ug/l	99
40) Benzene	8.32	78	229332	21.285	ug/l	100
41) Methacrylonitrile	7.48	41	29748	23.408	ug/l	98
42) 1,2-Dichloroethane	8.40	62	76750	22.729	ug/l	99
43) Isopropyl Acetate	8.42	43	91706	22.897	ug/l	99
44) Trichloroethene	9.09	130	62161	23.733	ug/l	95
45) 1,2-Dichloropropane	9.37	63	67704	23.348	ug/l	99
46) Dibromomethane	9.46	93	30776	23.854	ug/l	98
47) Bromodichloromethane	9.65	83	82632	24.065	ug/l	97
48) Methyl methacrylate	9.43	41	44704	23.451	ug/l	96
49) 1,4-Dioxane	9.48	88	9545	483.266	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	250016	122.727	ug/l	100
52) Toluene	10.38	92	152485	23.558	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	84914	24.278	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	97981	23.201	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	44552	24.406	ug/l	96
56) Ethyl methacrylate	10.65	69	64457	24.262	ug/l	99
57) 1,3-Dichloropropane	10.93	76	82559	23.933	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	155118	113.765	ug/l	100
59) 2-Hexanone	10.97	43	175812	121.971	ug/l	99
60) Dibromochloromethane	11.13	129	51345	25.253	ug/l	99
61) 1,2-Dibromoethane	11.23	107	41841	24.604	ug/l	97
64) Tetrachloroethene	10.86	164	48805	22.486	ug/l	93
65) Chlorobenzene	11.66	112	155600	23.604	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	56736	24.671	ug/l	98
67) Ethyl Benzene	11.73	91	302706	23.838	ug/l	99
68) m/p-Xylenes	11.84	106	216558	47.343	ug/l	100
69) o-Xylene	12.16	106	102372	24.181	ug/l	100
70) Styrene	12.18	104	177649	24.243	ug/l	98
71) Bromoform	12.35	173	29441	25.695	ug/l #	100
73) Isopropylbenzene	12.46	105	292865	23.734	ug/l	99
74) N-amyl acetate	12.27	43	87155	23.377	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	53040	23.446	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	72270	45.060	ug/l #	100
77) Bromobenzene	12.75	156	63806	23.901	ug/l	96
78) n-propylbenzene	12.80	91	352584	23.405	ug/l	98
79) 2-Chlorotoluene	12.89	91	200574	23.452	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	246169	23.874	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16870	23.062	ug/l	96
82) 4-Chlorotoluene	12.99	91	211158	23.579	ug/l	100
83) tert-Butylbenzene	13.21	119	216439	24.780	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	245633	23.715	ug/l	100
85) sec-Butylbenzene	13.38	105	297609	23.783	ug/l	100
86) p-Isopropyltoluene	13.50	119	271959	24.336	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	126011	24.133	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	125583	24.222	ug/l	98
89) n-Butylbenzene	13.82	91	264931	23.840	ug/l	99
90) Hexachloroethane	14.09	117	45398	23.154	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	112517	24.563	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9097	23.853	ug/l	95

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

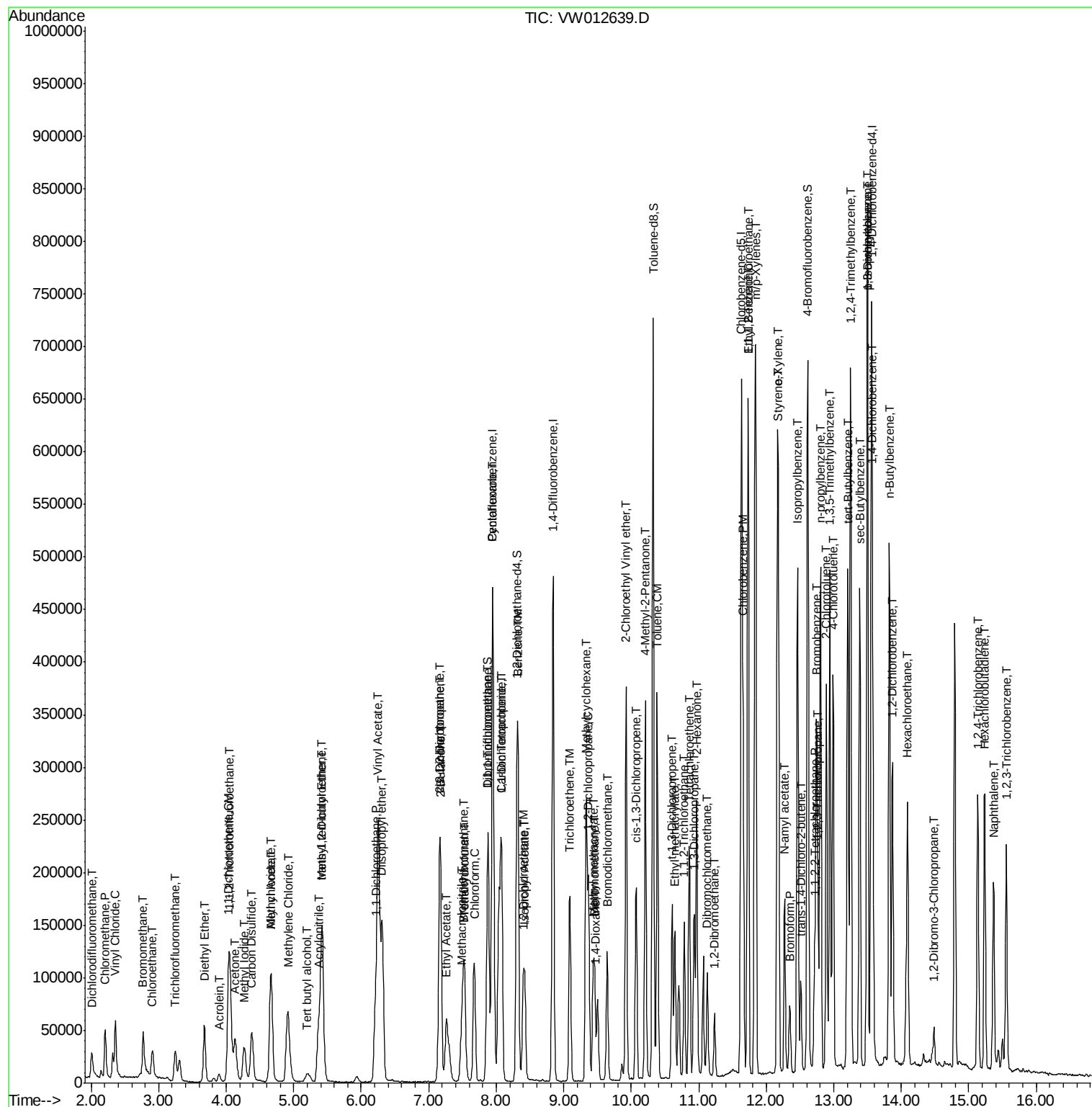
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	81838	25.853	ug/l	100
94) Hexachlorobutadiene	15.24	225	53234	25.468	ug/l	99
95) Naphthalene	15.36	128	146308	25.839	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	71335	25.829	ug/l	97

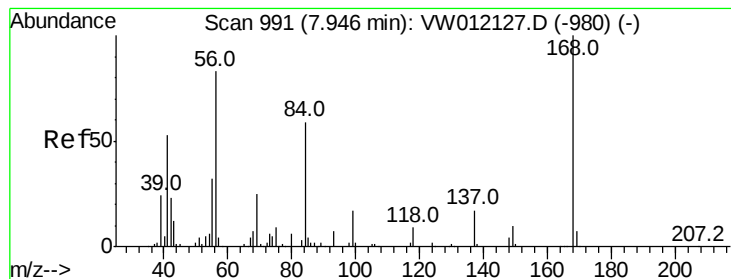
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VW0905SBS03
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 05 15:48:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

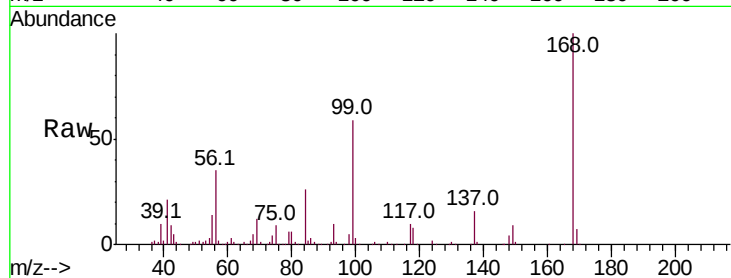
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 233028

Ion Ratio Lower Upper

168 100

99 58.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

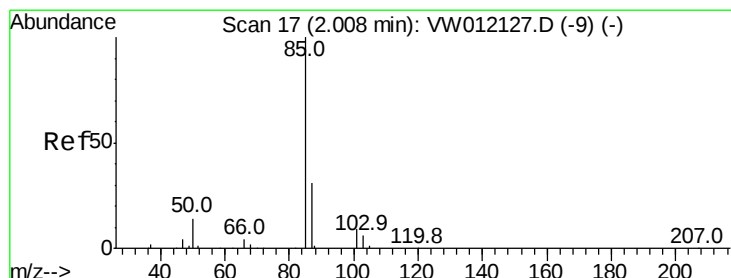
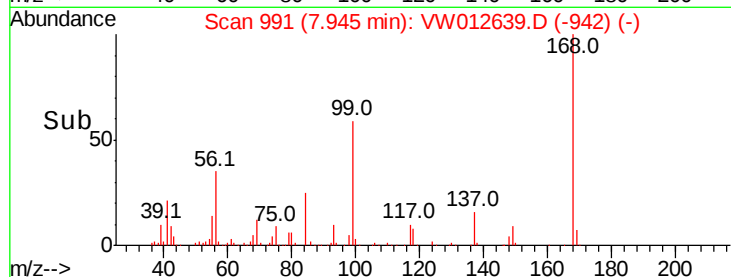
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 27.944 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012639.D

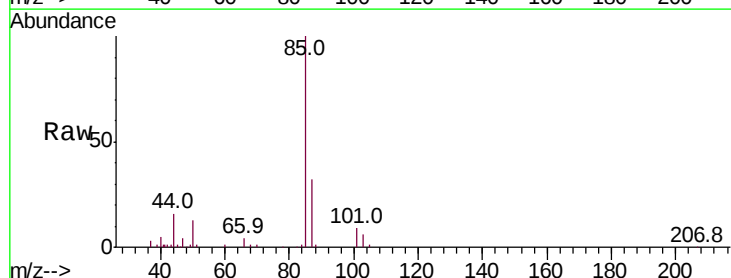
Acq: 05 Sep 2019 14:36

Tgt Ion: 85 Resp: 40095

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

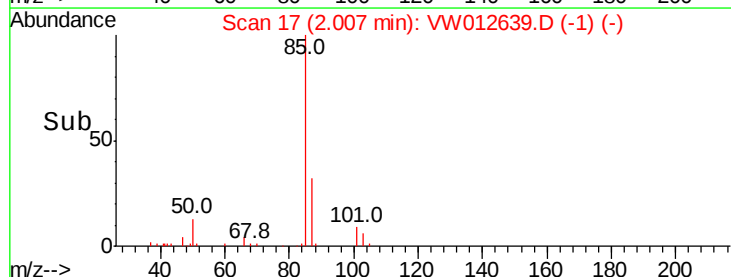
15000

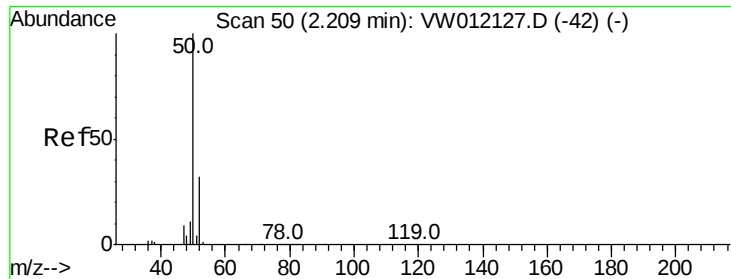
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.277 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

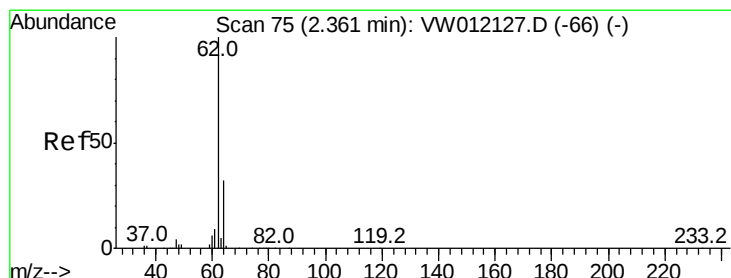
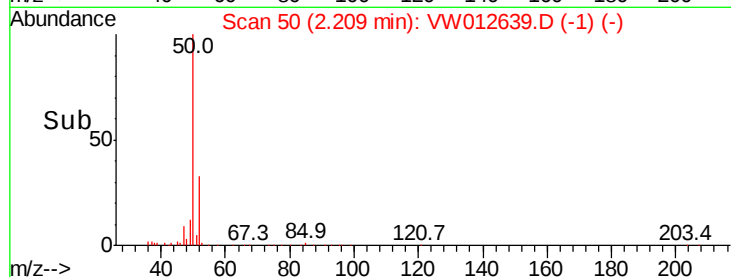
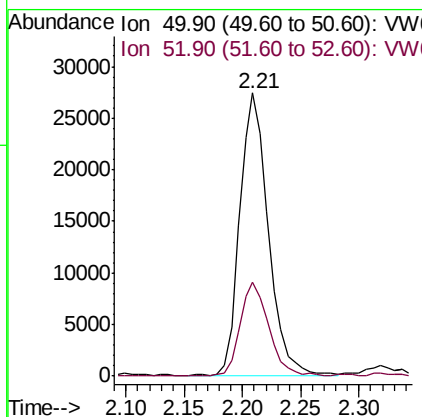
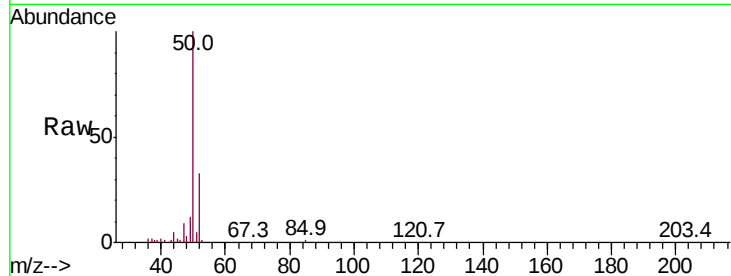
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 47299

Ion Ratio Lower Upper

50 100

52 33.0 25.5 38.3



#4

Vinyl Chloride

Concen: 20.443 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012639.D

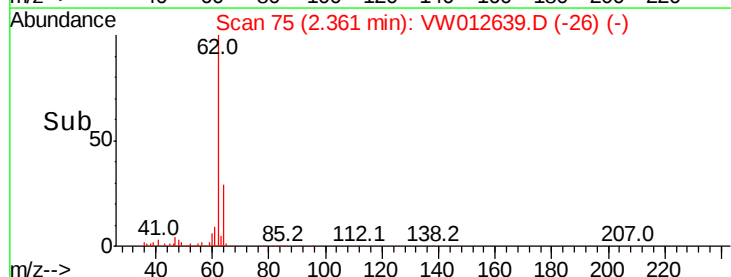
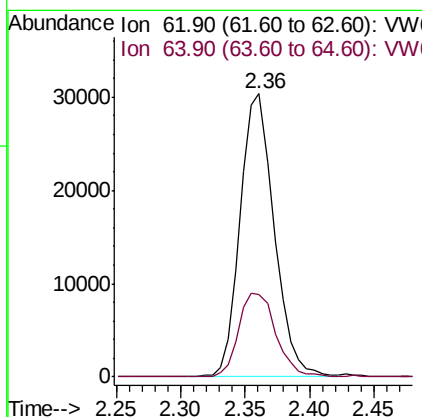
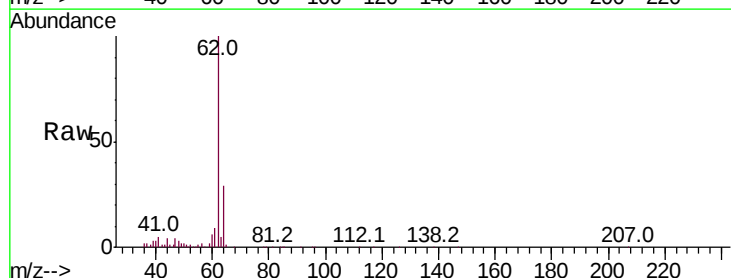
Acq: 05 Sep 2019 14:36

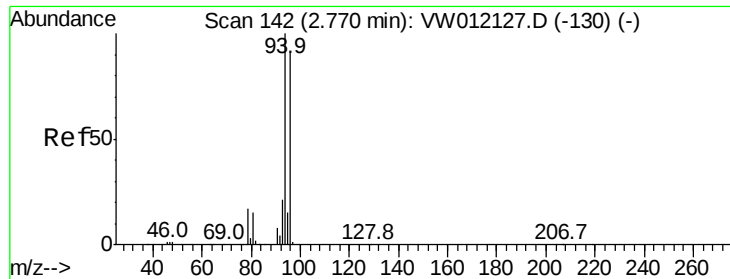
Tgt Ion: 62 Resp: 55622

Ion Ratio Lower Upper

62 100

64 29.1 25.3 37.9





#5

Bromomethane

Concen: 19.831 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

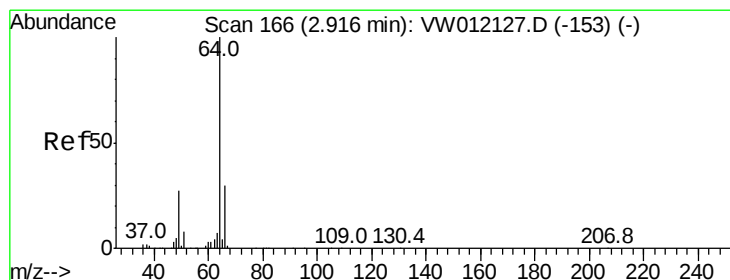
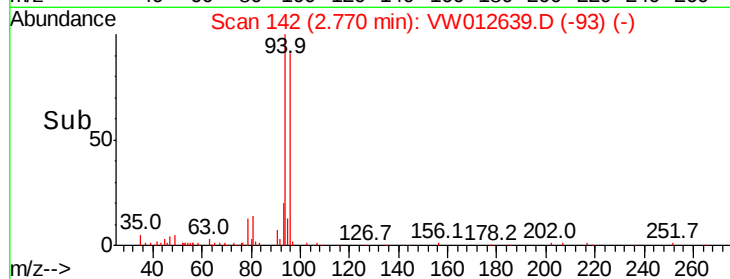
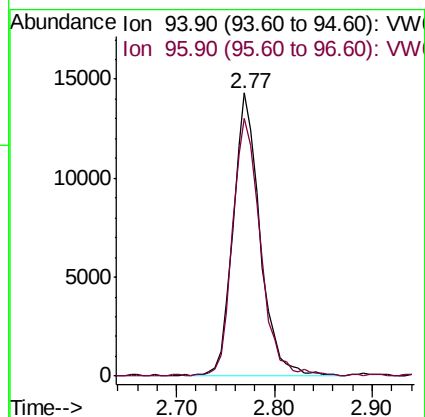
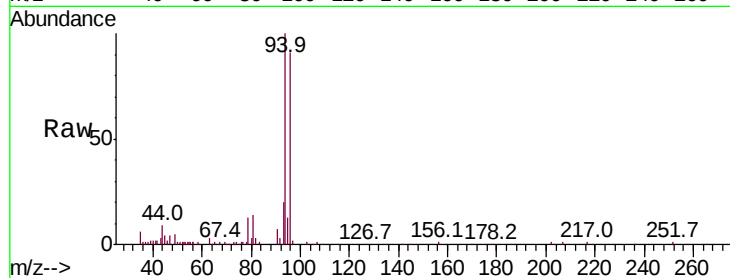
ClientSampleId :

Tot Ion: 94 Resp: 27326

Ion Ratio Lower Upper

94 100

96 91.2 72.9 109.3



#6

Chloroethane

Concen: 19.060 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012639.D

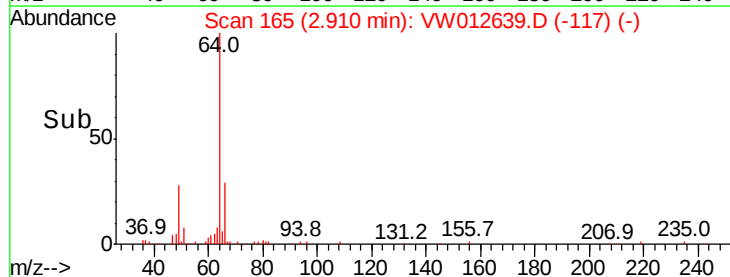
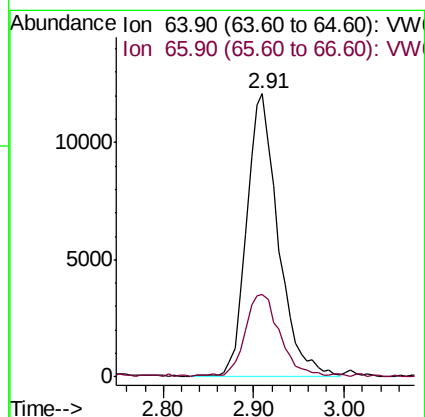
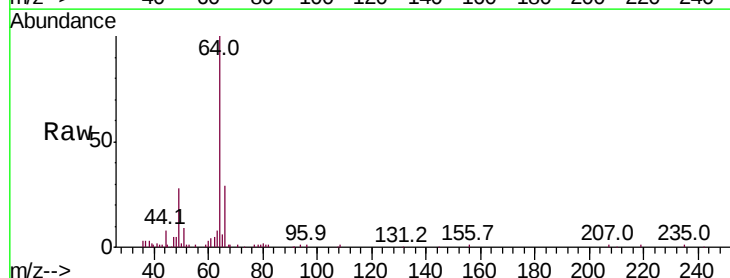
Acq: 05 Sep 2019 14:36

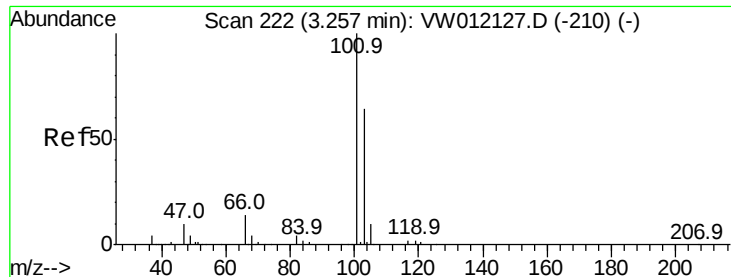
Tgt Ion: 64 Resp: 29254

Ion Ratio Lower Upper

64 100

66 29.0 23.8 35.8



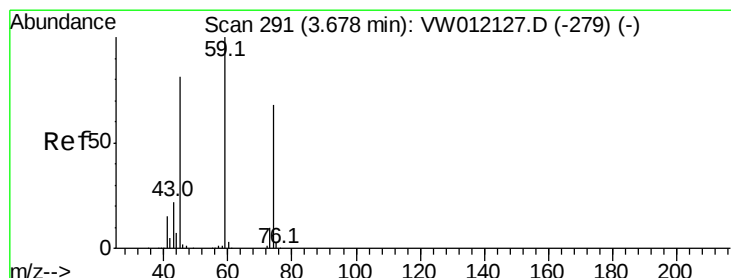
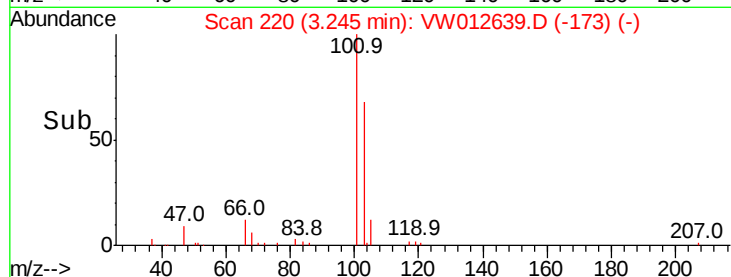
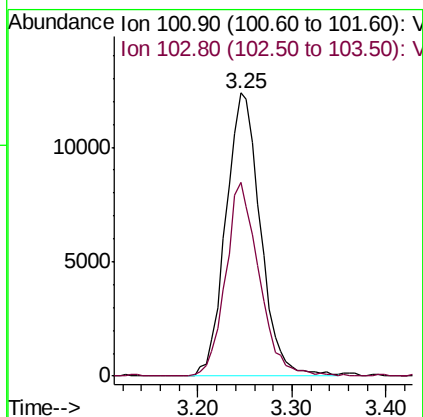
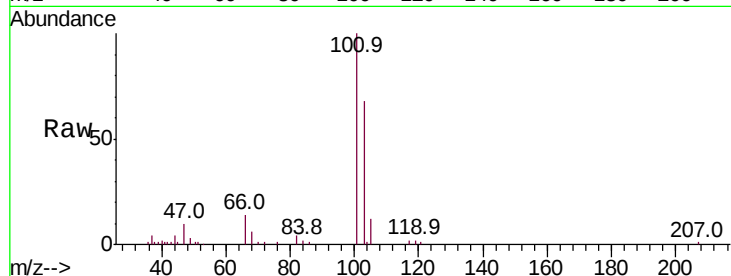


#7

Trichlorofluoromethane
 Concen: 23.065 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :

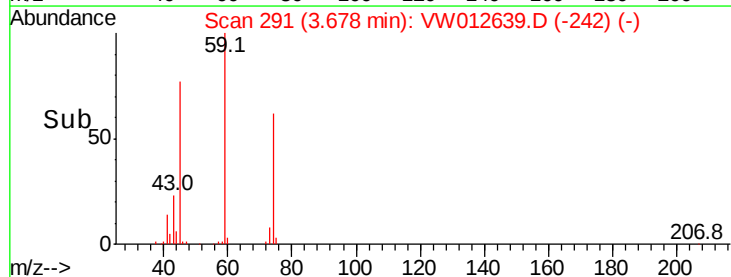
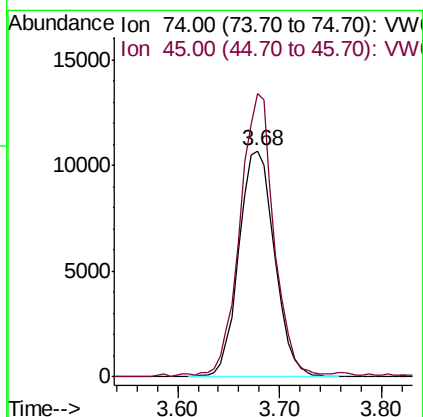
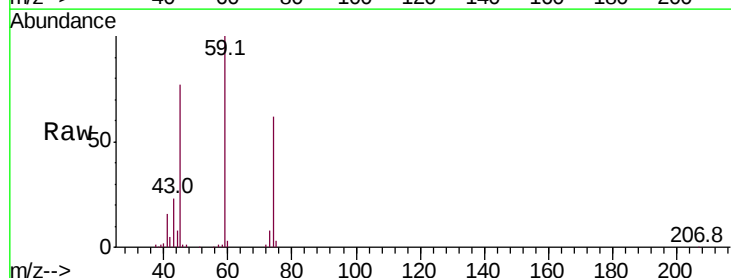
Tot Ion:101 Resp: 31512
 Ion Ratio Lower Upper
 101 100
 103 68.5 51.2 76.8

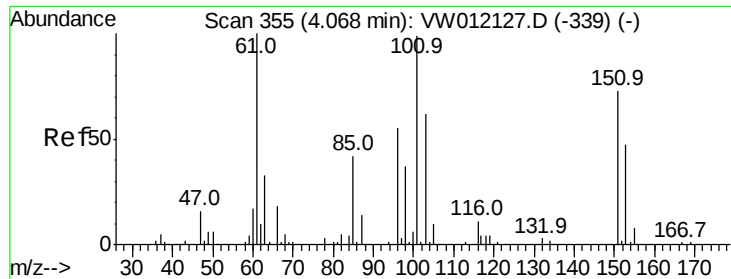


#8

Diethyl Ether
 Concen: 20.113 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion: 74 Resp: 26082
 Ion Ratio Lower Upper
 74 100
 45 120.4 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.486 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

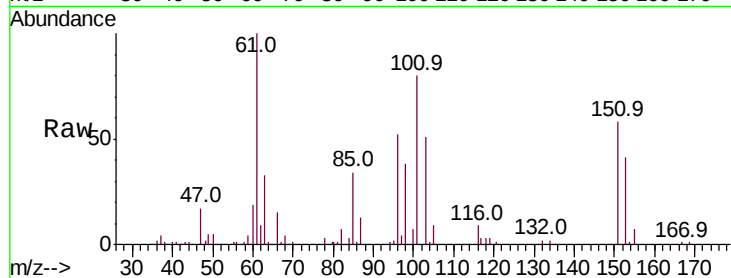
Tot Ion:101 Resp: 49897

Ion Ratio Lower Upper

101 100

85 46.0 35.8 53.6

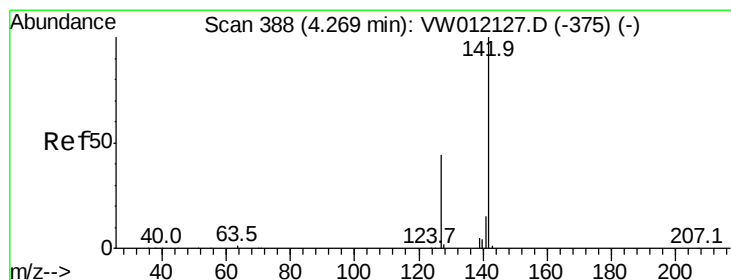
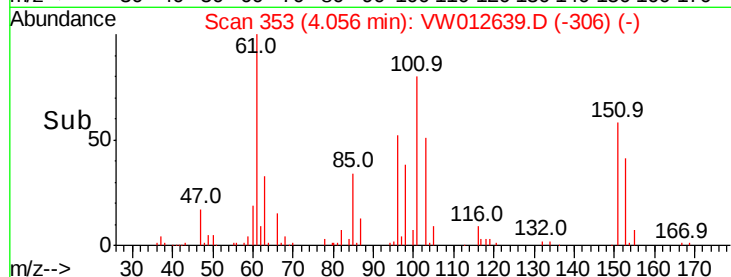
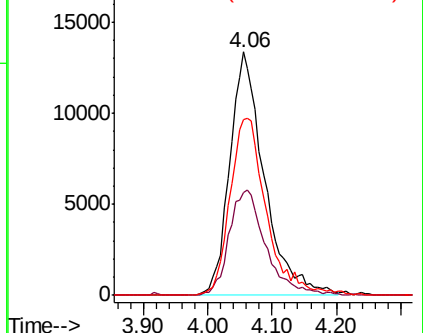
151 76.7 58.6 87.8



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: 20.237 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

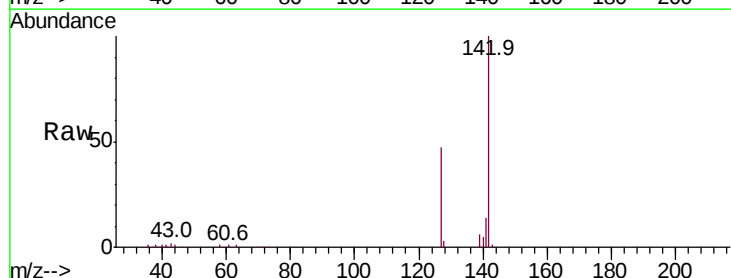
Tgt Ion:142 Resp: 63586

Ion Ratio Lower Upper

142 100

127 45.2 35.5 53.3

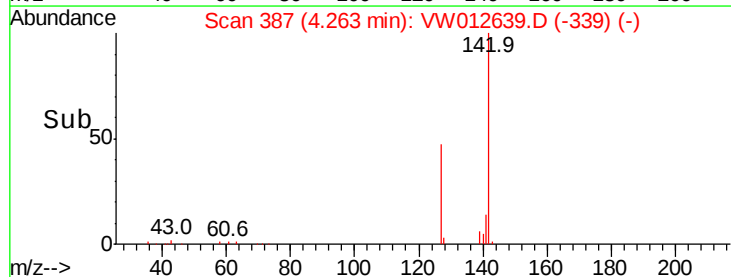
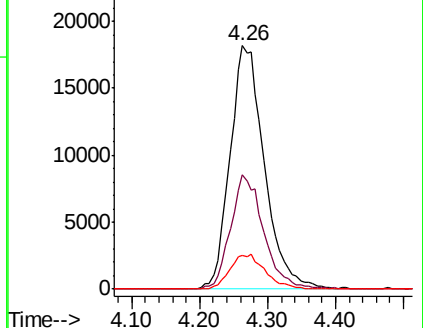
141 14.6 11.8 17.8

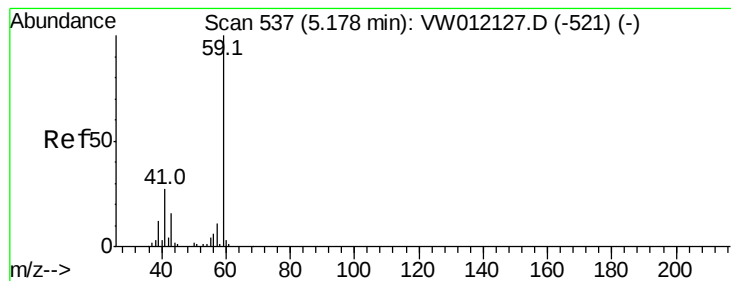


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



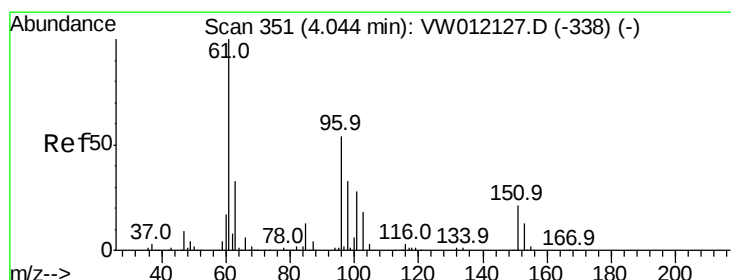
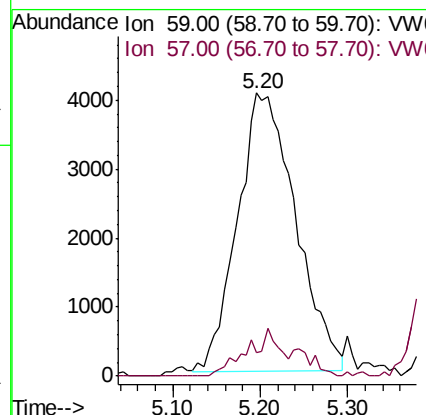
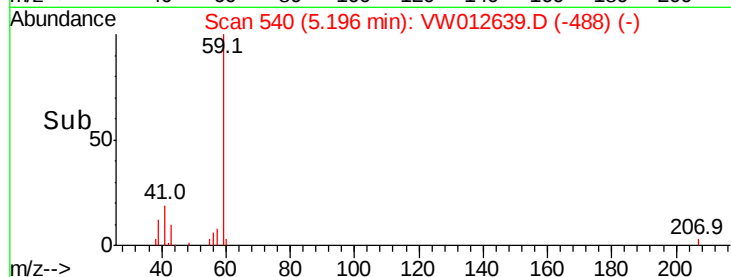
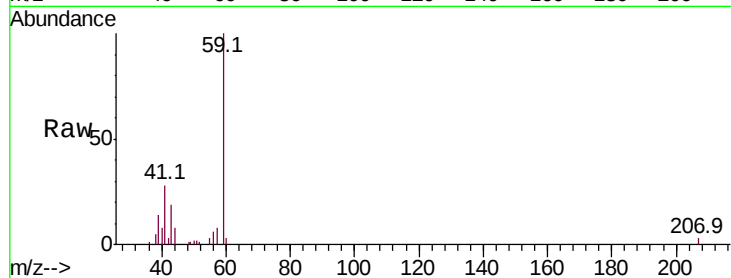


#11

Tert butyl alcohol
Concen: 112.240 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampled :

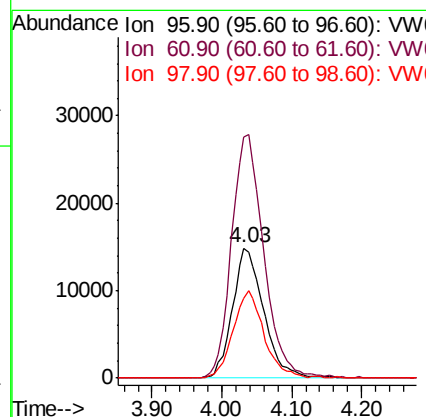
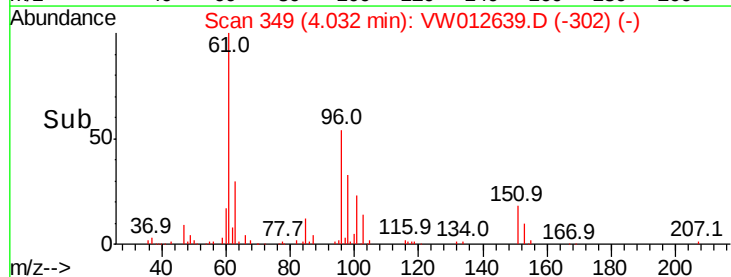
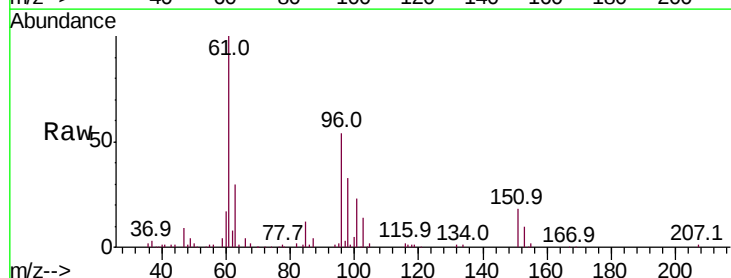
Tot Ion: 59 Resp: 18711
Ion Ratio Lower Upper
59 100
57 9.4 9.0 13.4

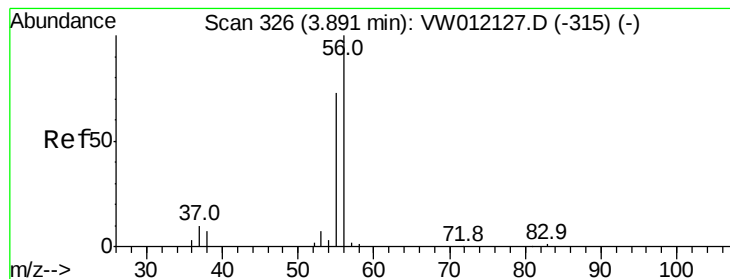


#12

1,1-Dichloroethene
Concen: 19.703 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 96 Resp: 46053
Ion Ratio Lower Upper
96 100
61 184.7 149.1 223.7
98 60.9 49.4 74.2





#13

Acrolein

Concen: 63.381 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

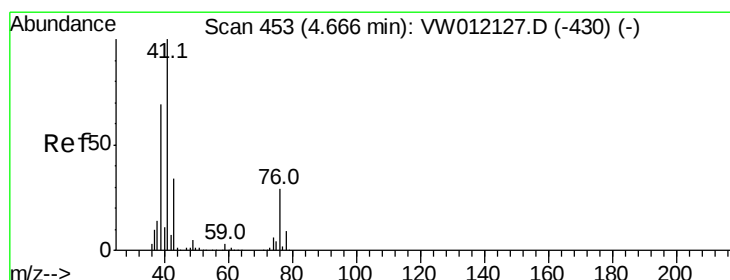
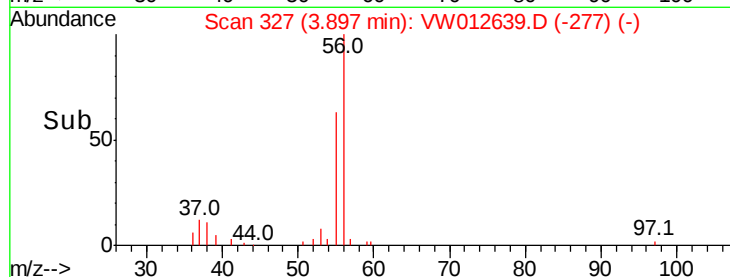
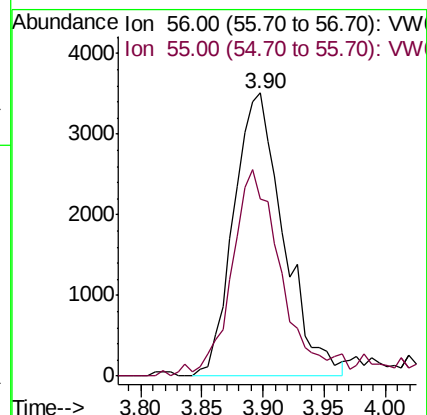
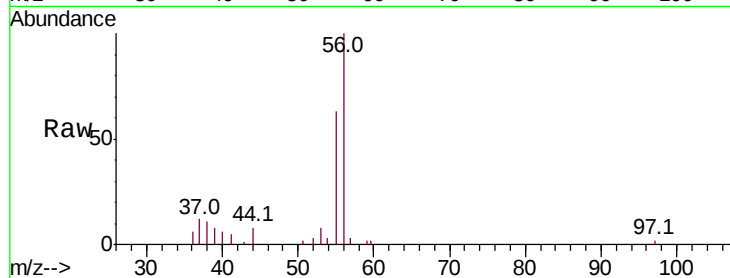
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 9946

Ion Ratio Lower Upper

56 100

55 73.0 55.8 83.8



#14

Allyl chloride

Concen: 19.114 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

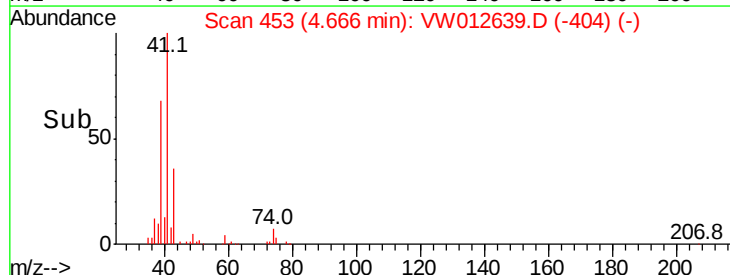
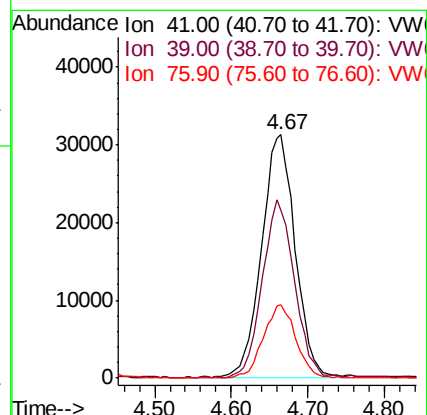
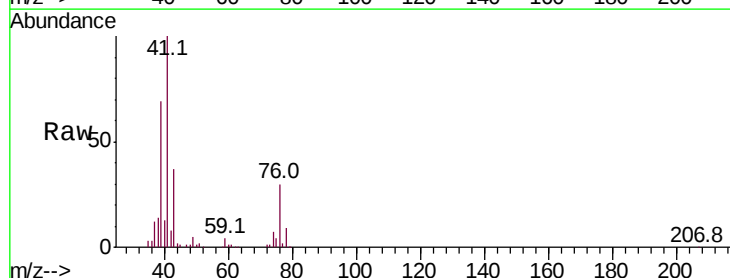
Tgt Ion: 41 Resp: 95512

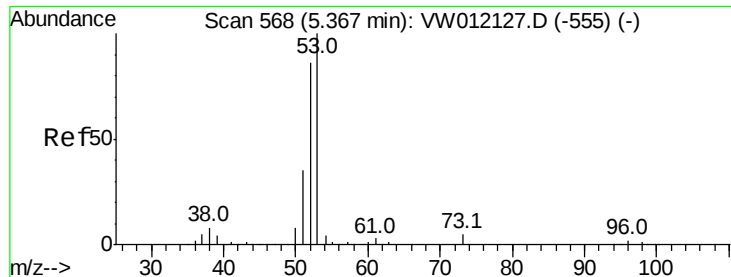
Ion Ratio Lower Upper

41 100

39 70.2 53.4 80.2

76 29.2 22.1 33.1





#15

Acrylonitrile

Concen: 109.266 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

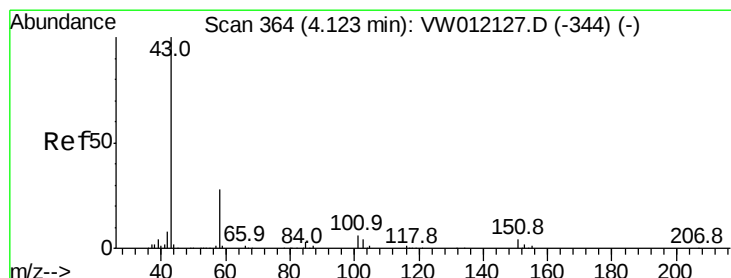
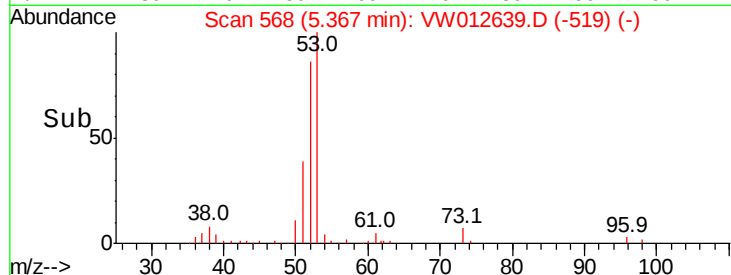
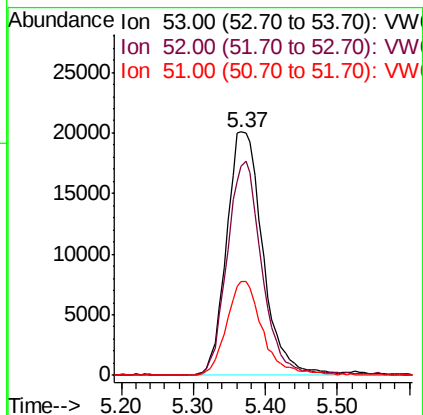
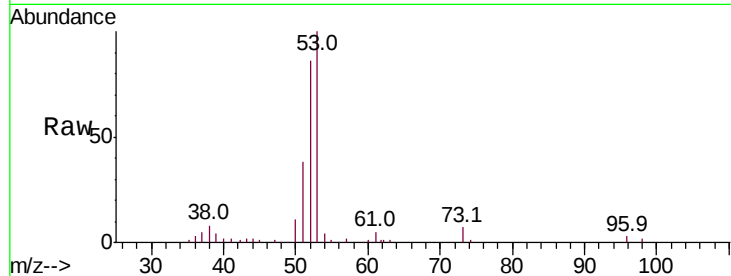
Tot Ion: 53 Resp: 70233

Ion Ratio Lower Upper

53 100

52 83.5 66.7 100.1

51 38.1 30.1 45.1



#16

Acetone

Concen: 97.268 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012639.D

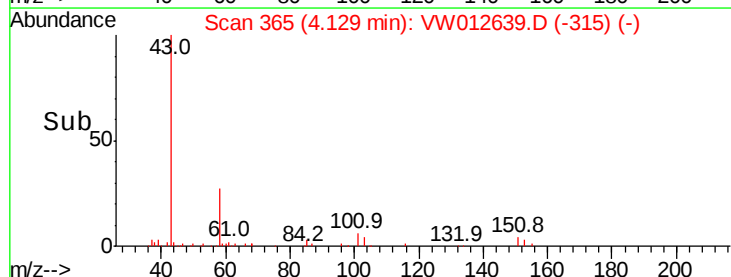
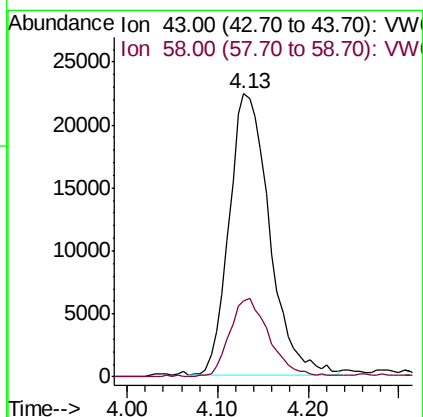
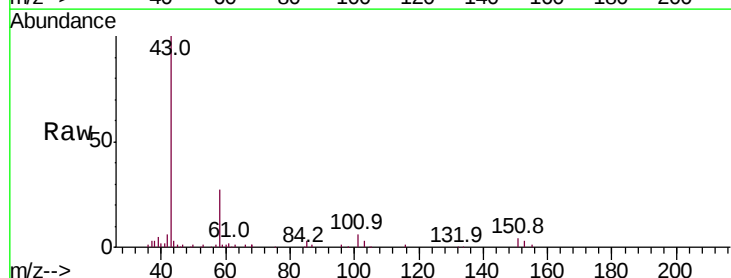
Acq: 05 Sep 2019 14:36

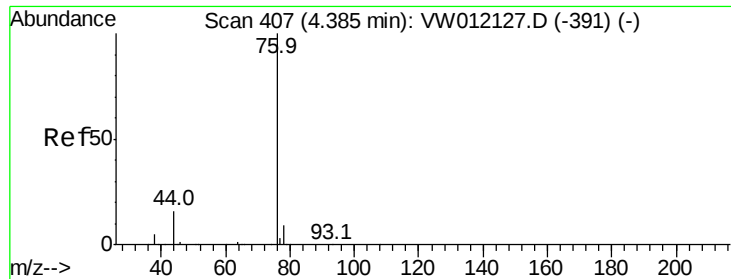
Tgt Ion: 43 Resp: 68876

Ion Ratio Lower Upper

43 100

58 26.9 22.4 33.6





#17

Carbon Disulfide

Concen: 15.142 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

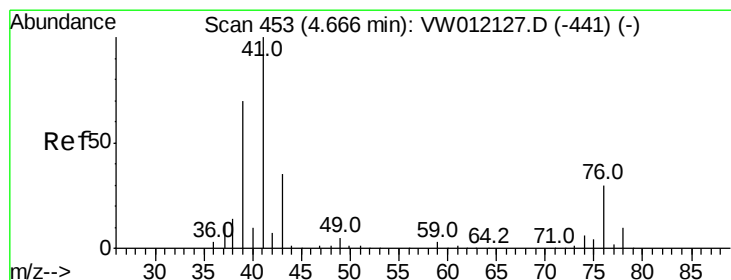
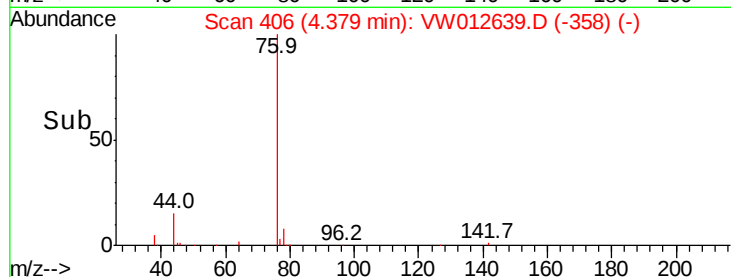
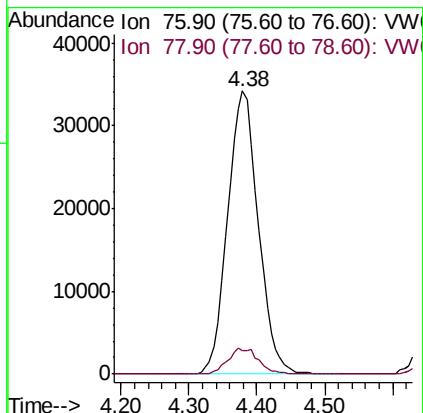
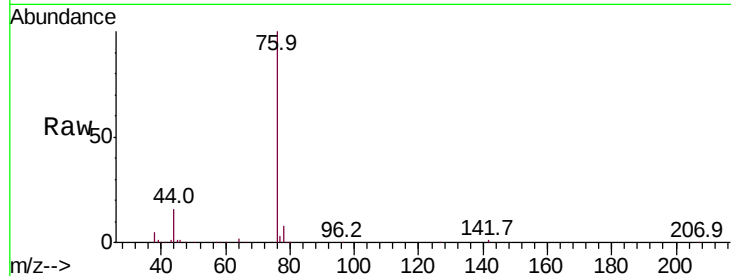
ClientSampleId :

Tot Ion: 76 Resp: 106966

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9



#18

Methyl Acetate

Concen: 21.380 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012639.D

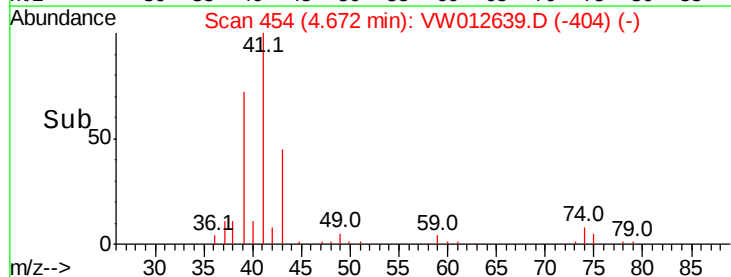
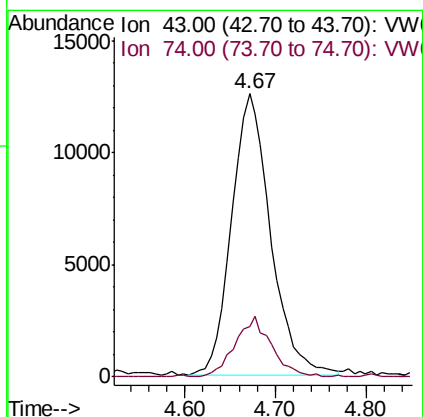
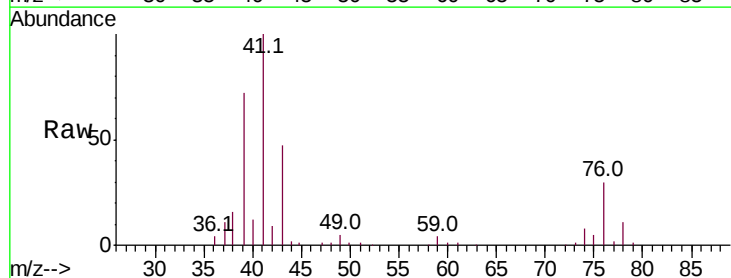
Acq: 05 Sep 2019 14:36

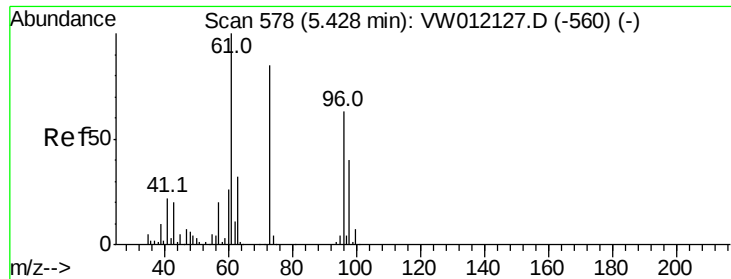
Tgt Ion: 43 Resp: 37497

Ion Ratio Lower Upper

43 100

74 19.9 15.7 23.5

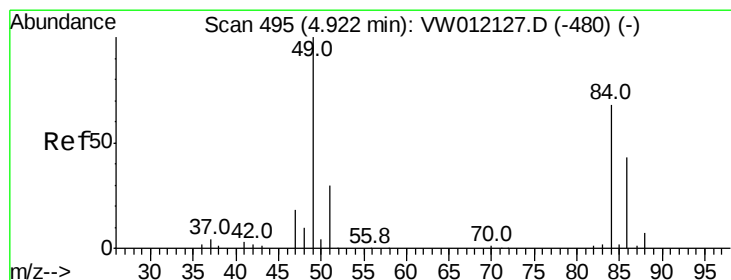
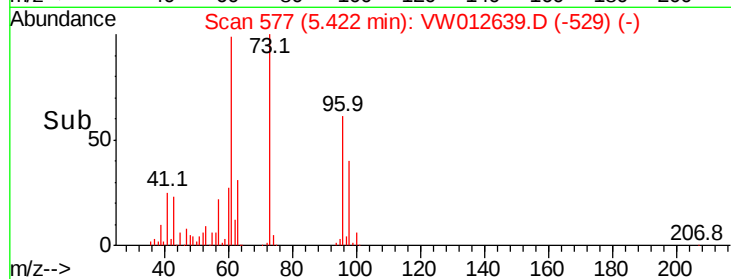
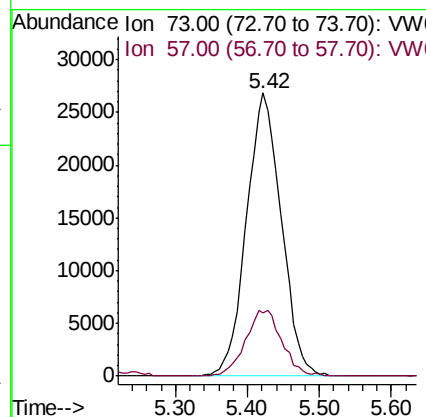
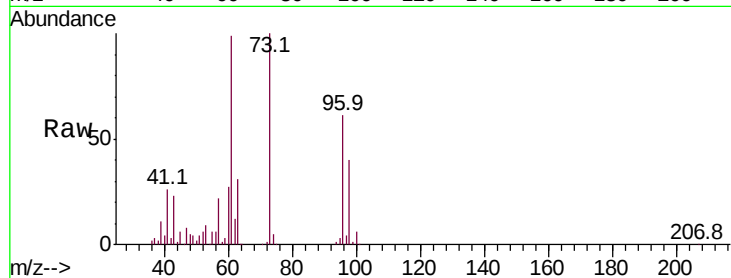




#19
Methvl tert-butvl Ether
Concen: 23.825 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

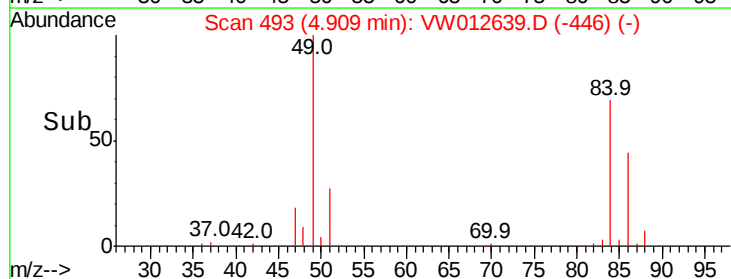
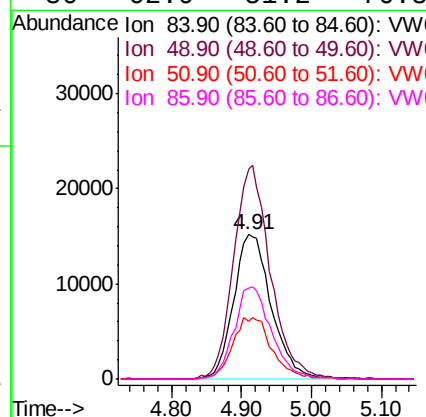
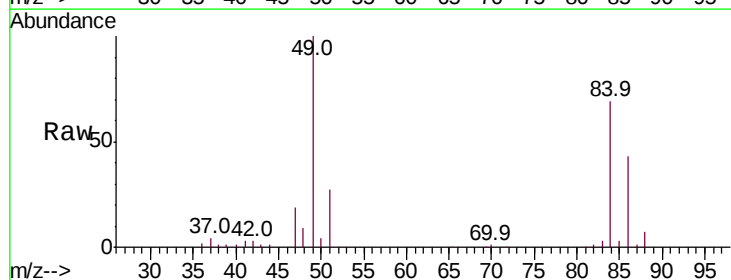
Instrument :
MSVOA_W
ClientSampleId :

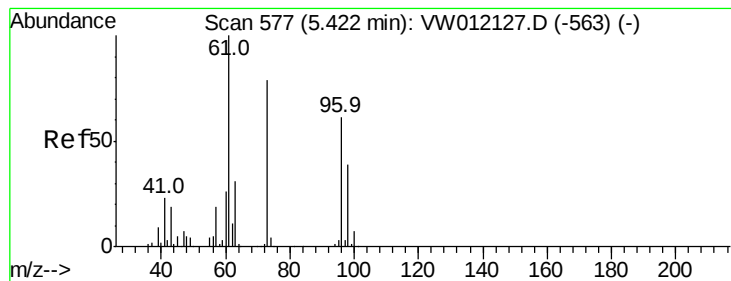
Tot Ion: 73 Resp: 90055
Ion Ratio Lower Upper
73 100
57 22.3 18.9 28.3



#20
Methylene Chloride
Concen: 21.273 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 84 Resp: 56947
Ion Ratio Lower Upper
84 100
49 145.3 117.8 176.8
51 39.6 35.6 53.4
86 62.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.187 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampled :

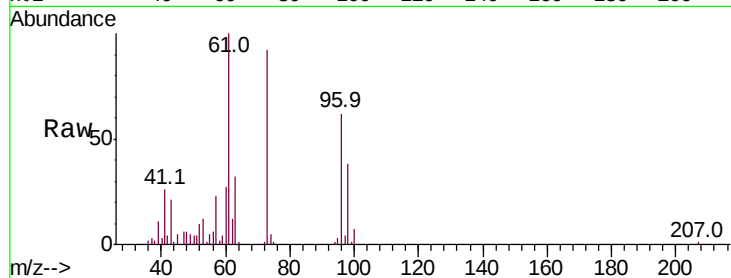
Tot Ion: 96 Resp: 50598

Ion Ratio Lower Upper

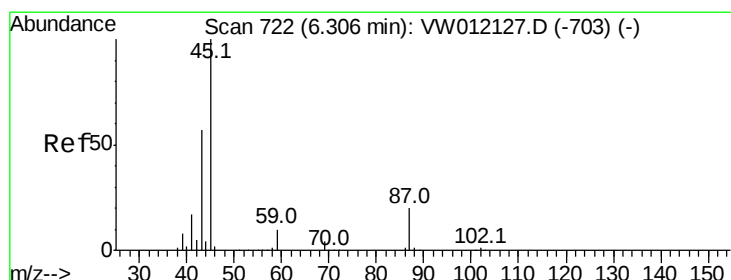
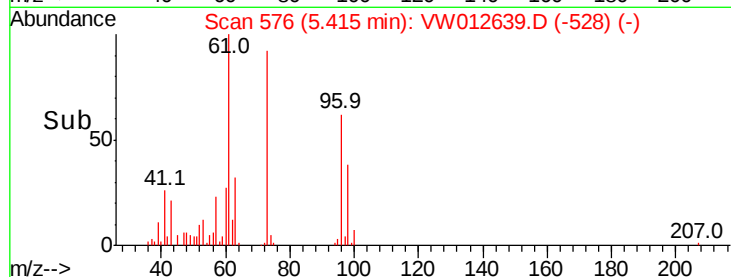
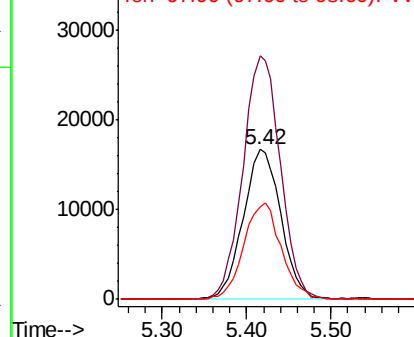
96 100

61 162.2 131.4 197.0

98 61.8 51.4 77.0



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: 21.932 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Tgt Ion: 45 Resp: 203146

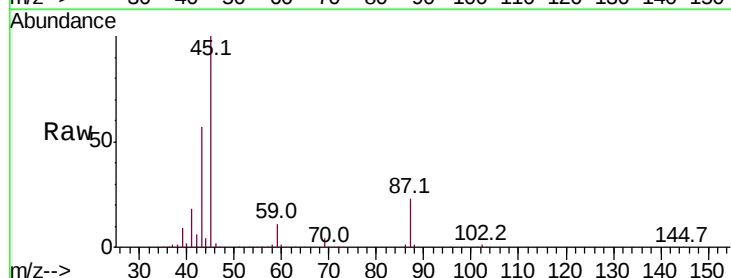
Ion Ratio Lower Upper

45 100

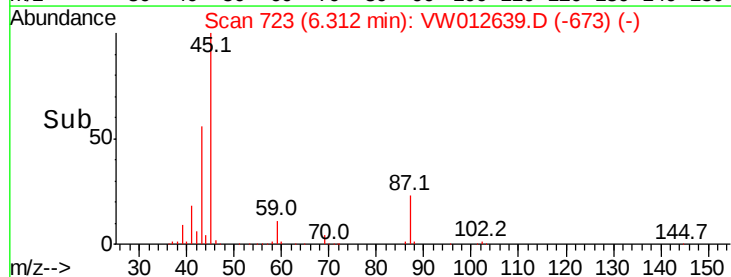
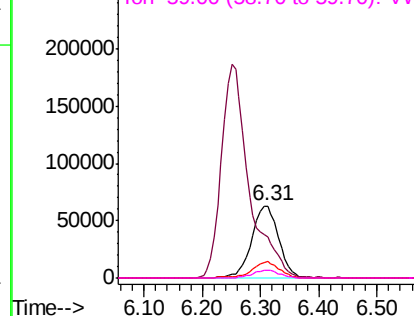
43 56.3 45.5 68.3

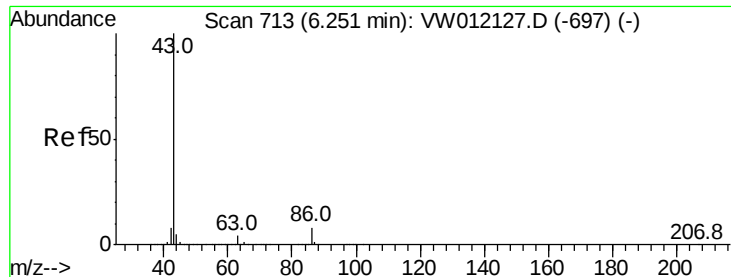
87 22.7 16.1 24.1

59 10.5 8.2 12.2



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: 108.150 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

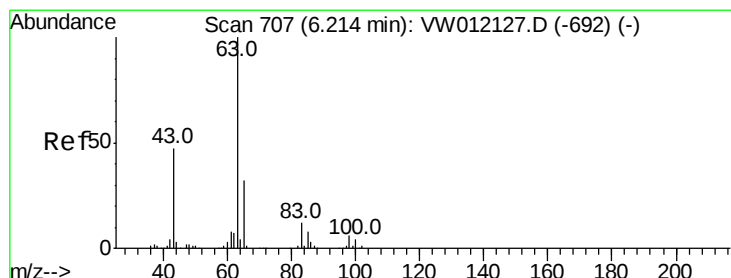
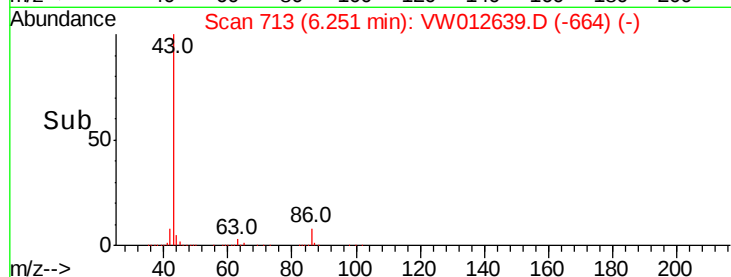
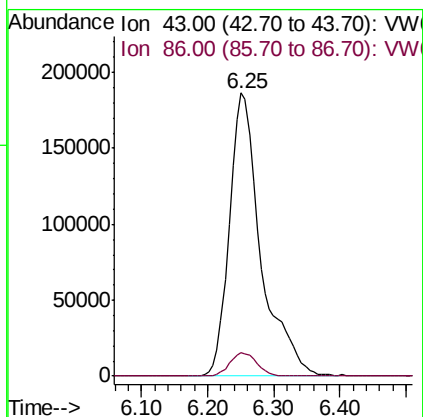
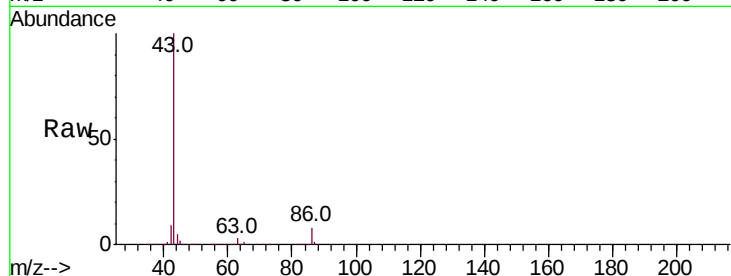
ClientSampleId :

Tot Ion: 43 Resp: 616475

Ion Ratio Lower Upper

43 100

86 8.5 6.5 9.7



#24

1,1-Dichloroethane

Concen: 21.710 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

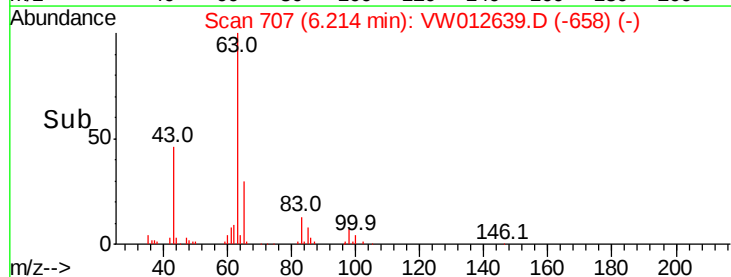
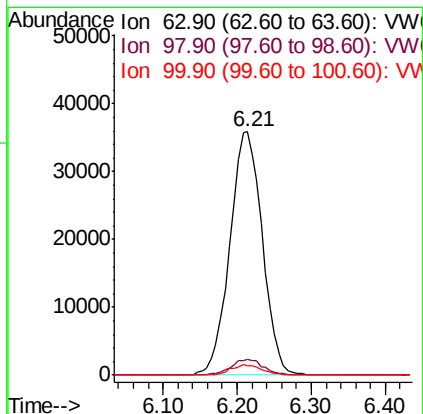
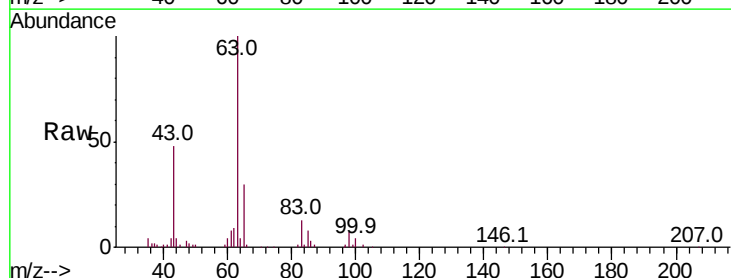
Tgt Ion: 63 Resp: 109489

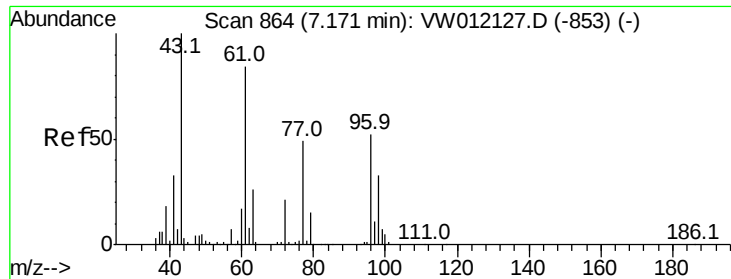
Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 3.6 2.0 6.0

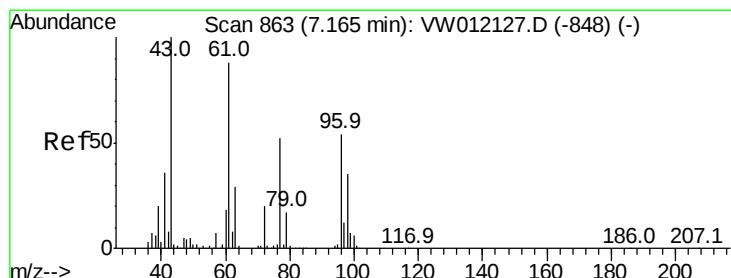
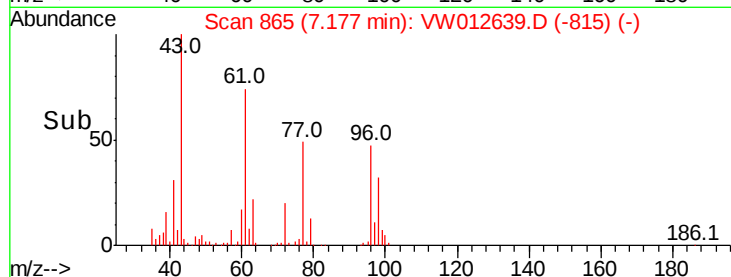
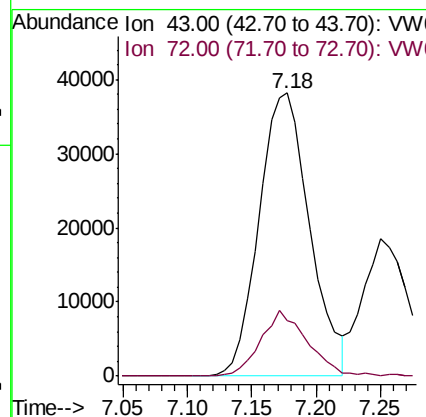
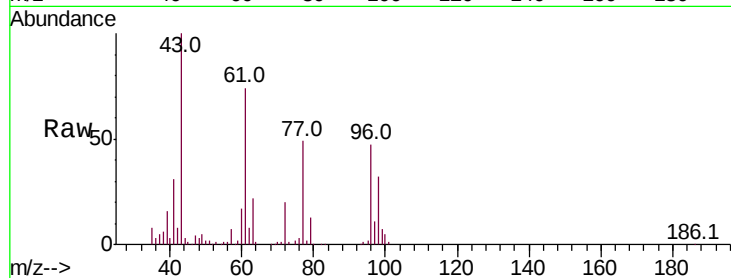




#25
2-Butanone
Concen: 107.657 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

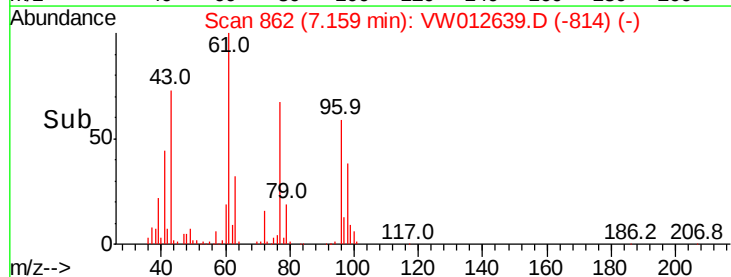
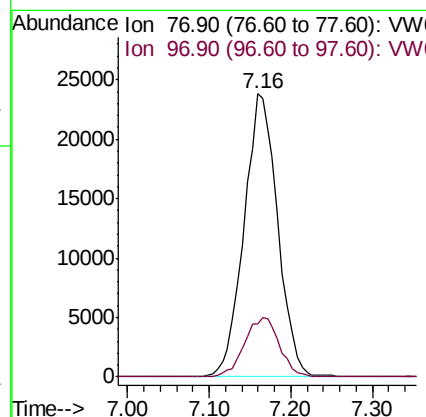
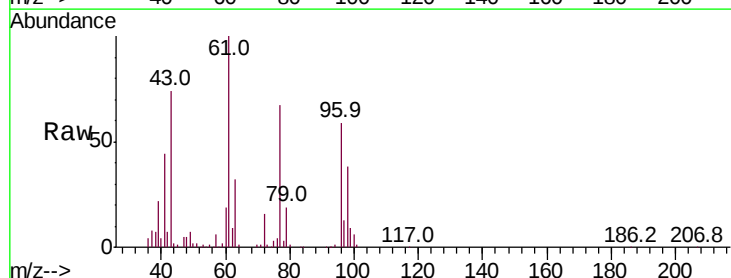
Instrument :
MSVOA_W
ClientSampleId :

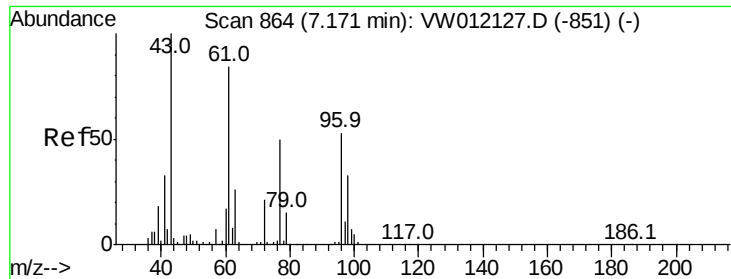
Tot Ion: 43 Resp: 103591
Ion Ratio Lower Upper
43 100
72 19.6 16.6 24.8



#26
2,2-Dichloropropane
Concen: 23.891 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 77 Resp: 68198
Ion Ratio Lower Upper
77 100
97 21.7 11.1 33.1



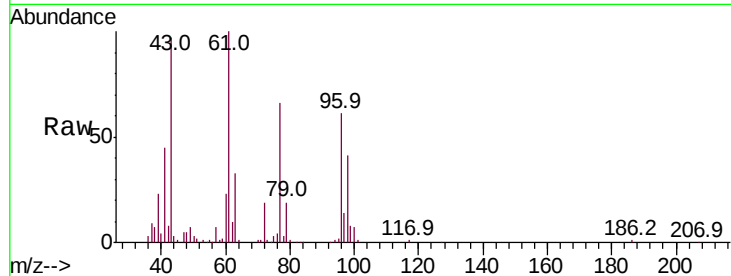


#27

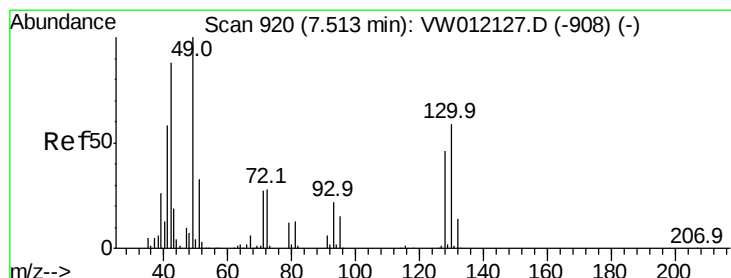
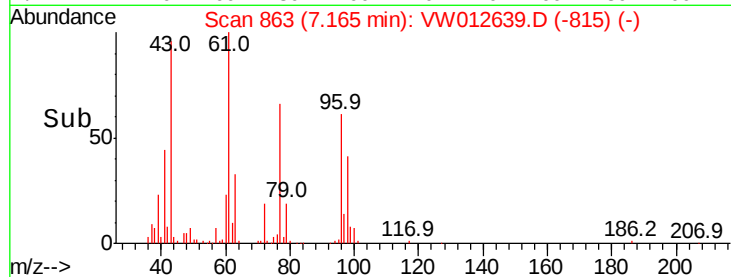
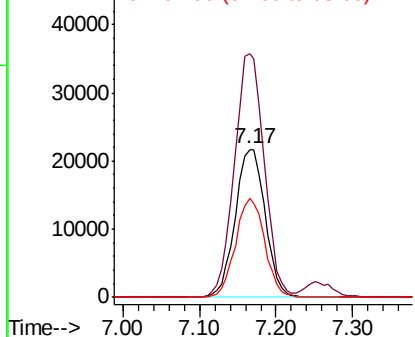
cis-1,2-Dichloroethene
Concen: 22.056 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 59064
Ion Ratio Lower Upper
96 100
61 163.1 0.0 326.6
98 65.2 0.0 127.4



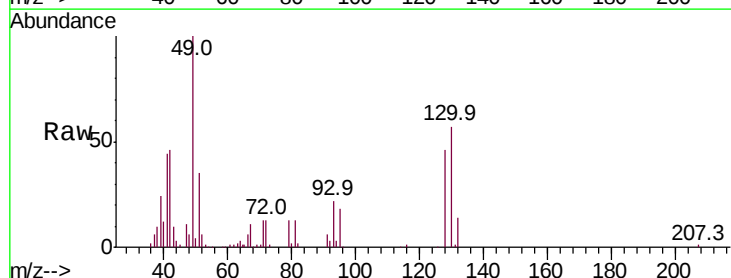
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



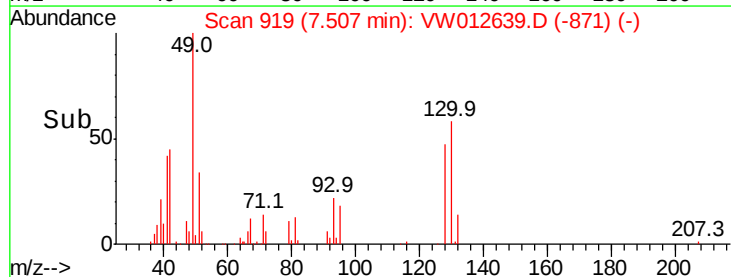
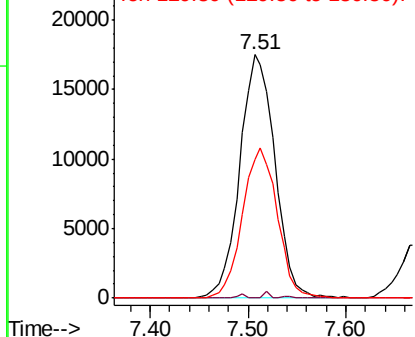
#28

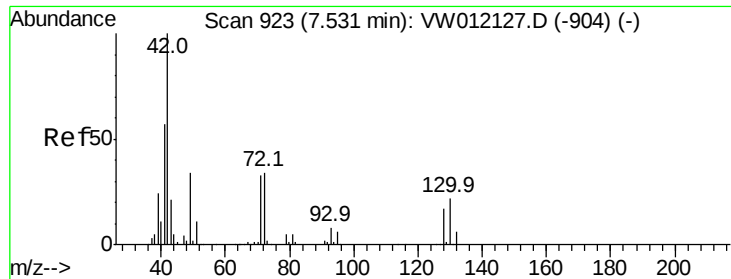
Bromochloromethane
Concen: 19.889 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 49 Resp: 43717
Ion Ratio Lower Upper
49 100
129 0.4 0.0 1.4
130 61.3 45.5 68.3



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

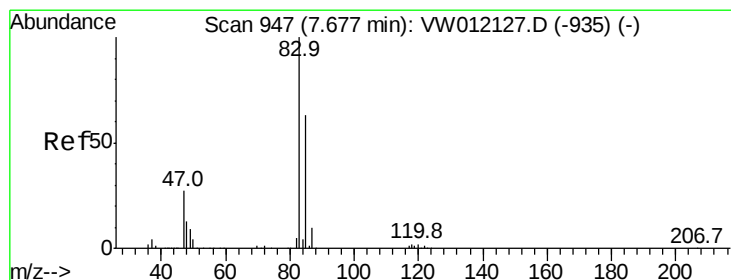
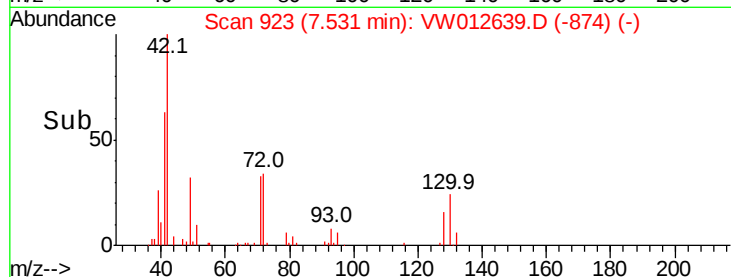
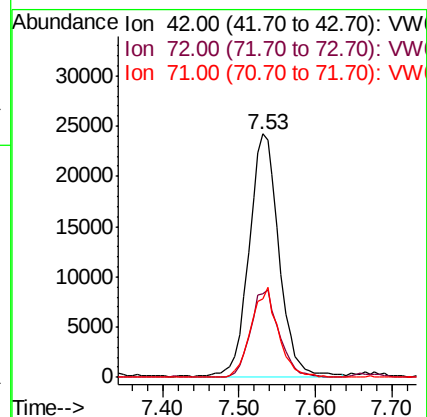
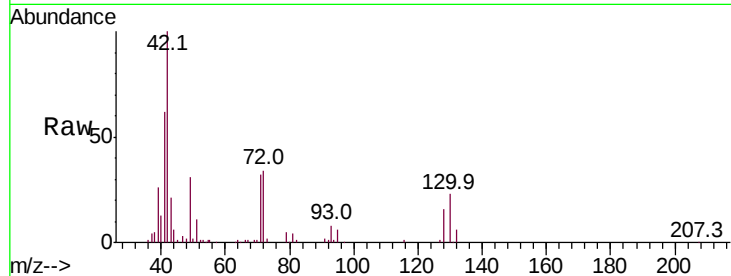




#29
Tetrahydrofuran
Concen: 114.218 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

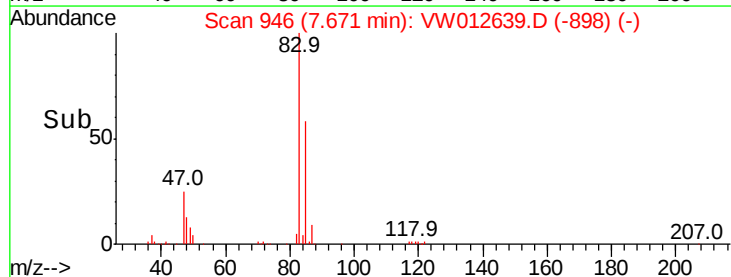
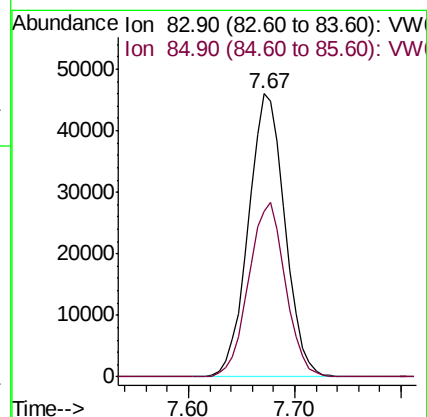
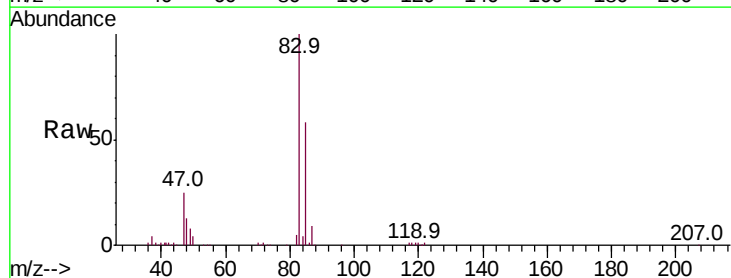
Instrument :
MSVOA_W
ClientSampleId :

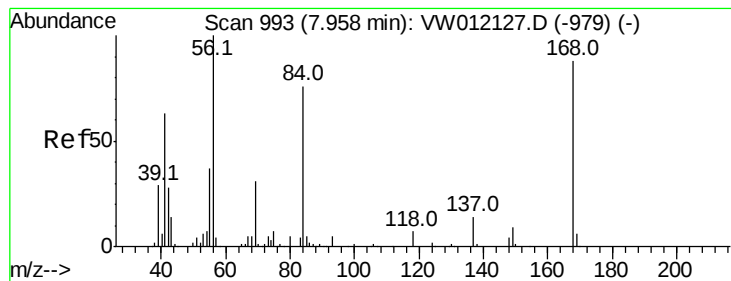
Tot Ion: 42 Resp: 65938
Ion Ratio Lower Upper
42 100
72 34.4 27.3 40.9
71 33.7 25.5 38.3



#30
Chloroform
Concen: 23.982 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 83 Resp: 110654
Ion Ratio Lower Upper
83 100
85 58.5 50.6 76.0





#31

Cyclohexane

Concen: 20.224 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampled :

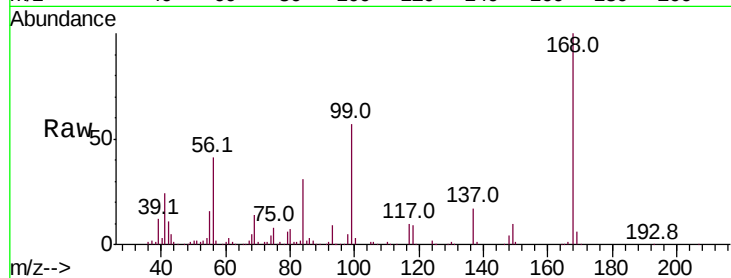
Tot Ion: 56 Resp: 100910

Ion Ratio Lower Upper

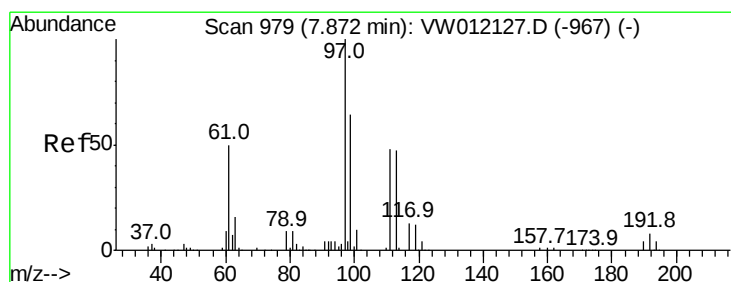
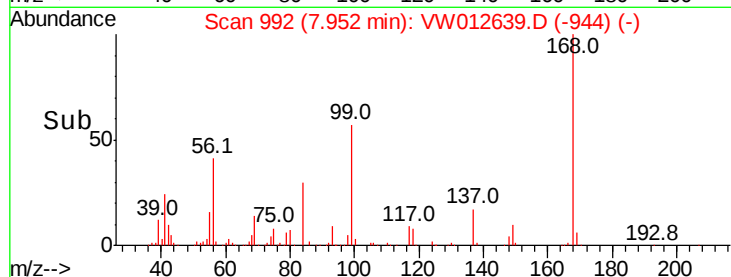
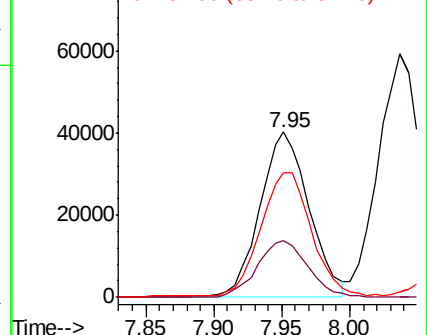
56 100

69 34.6 24.9 37.3

84 74.5 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 23.864 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

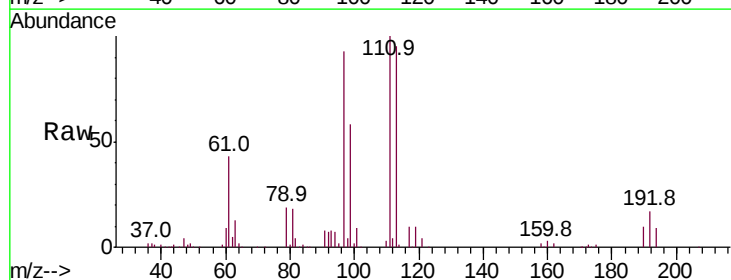
Tgt Ion: 97 Resp: 87104

Ion Ratio Lower Upper

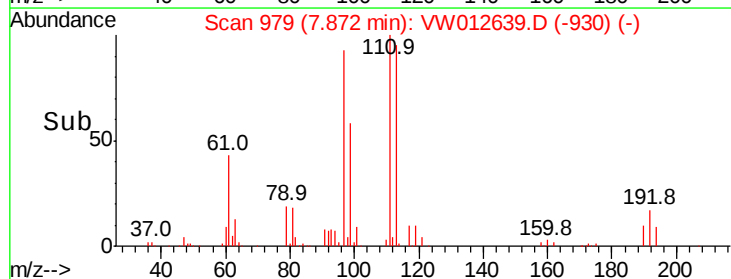
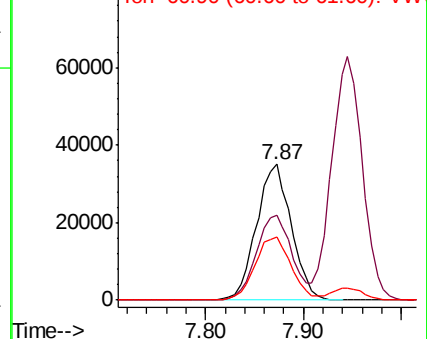
97 100

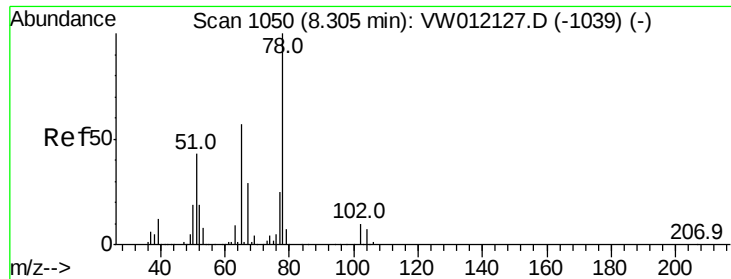
99 63.2 51.4 77.0

61 48.2 39.5 59.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 48.340 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

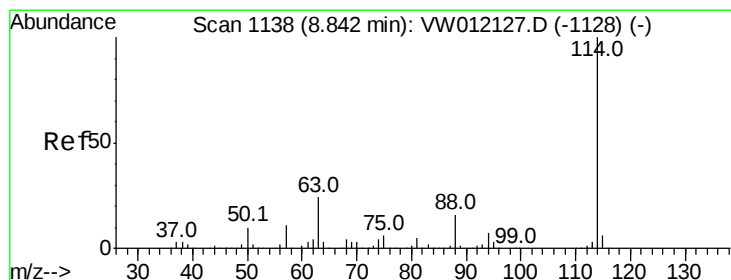
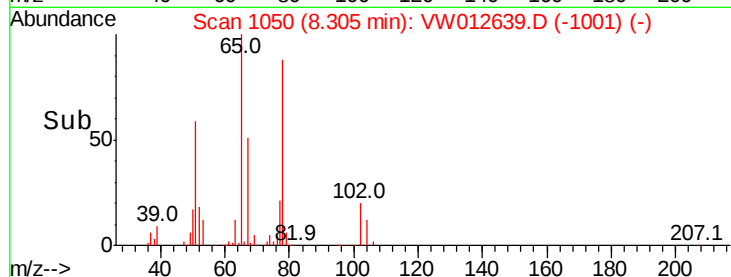
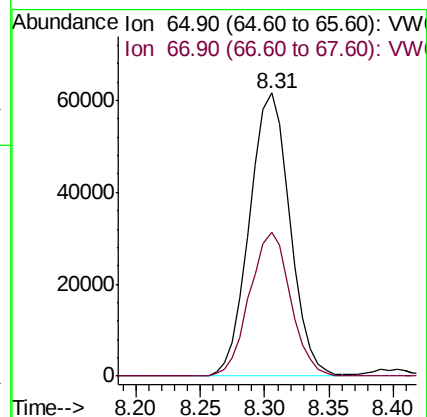
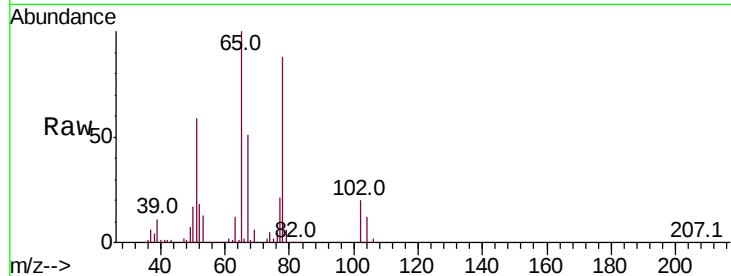
ClientSampleId :

Tot Ion: 65 Resp: 133908

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

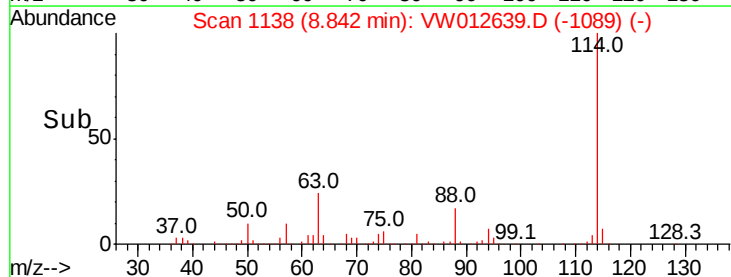
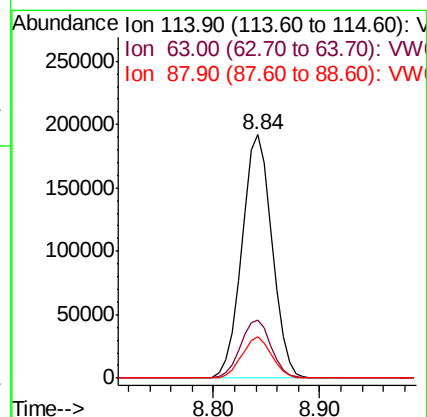
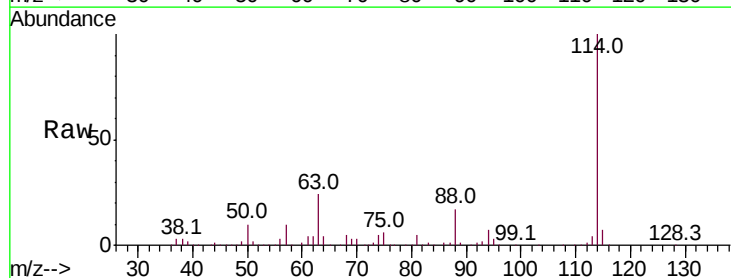
Tgt Ion: 114 Resp: 381837

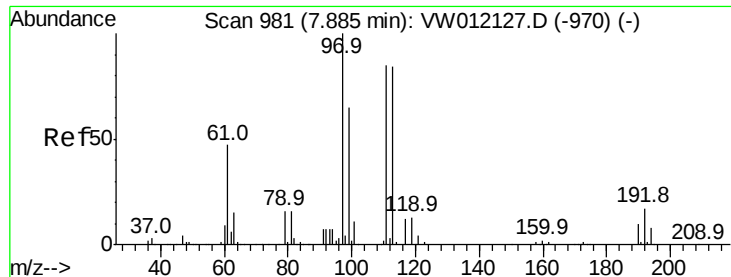
Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.6

88 16.8 0.0 32.2

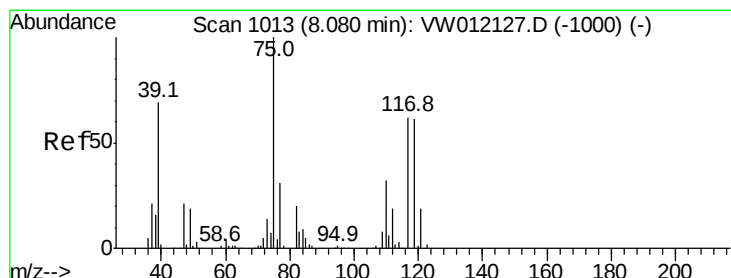
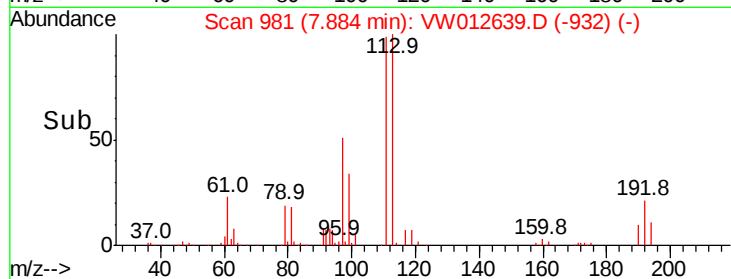
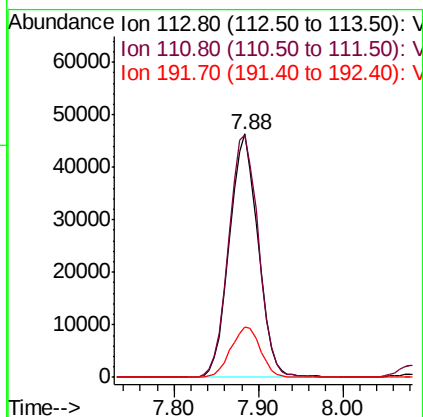
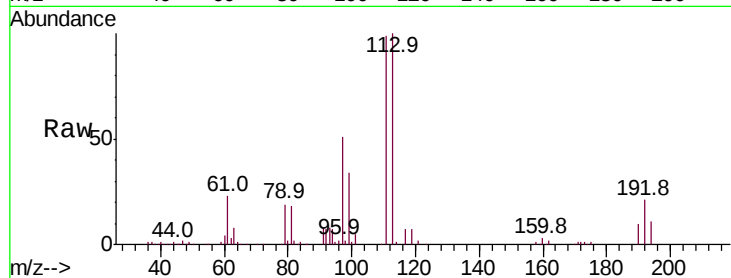




#35
 Dibromofluoromethane
 Concen: 46.978 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

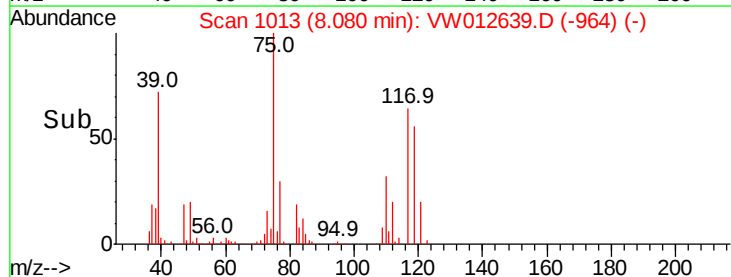
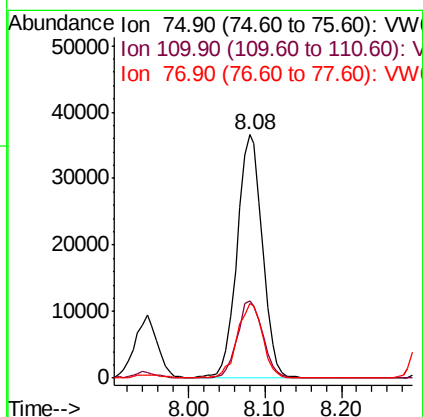
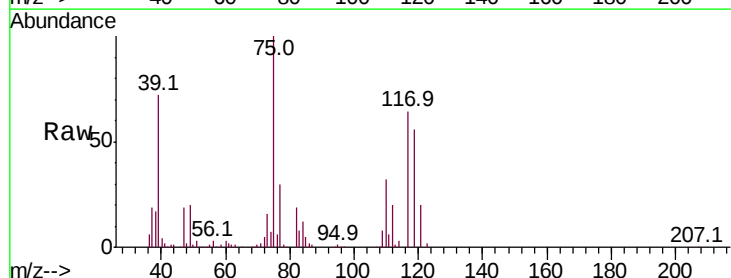
Instrument :
 MSVOA_W
 ClientSampleId :

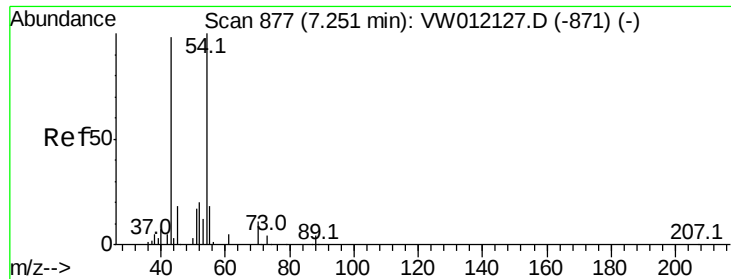
Tot Ion:113 Resp: 107072
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 21.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 21.271 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion: 75 Resp: 83934
 Ion Ratio Lower Upper
 75 100
 110 31.7 15.6 46.8
 77 31.0 24.6 36.8

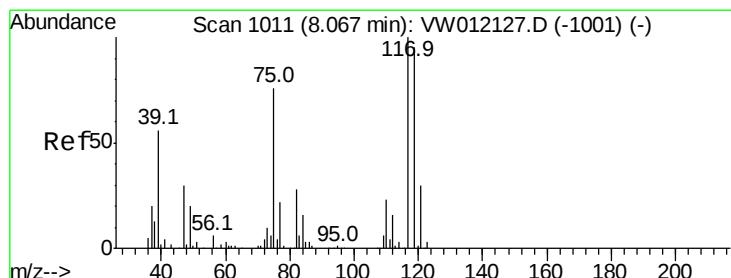
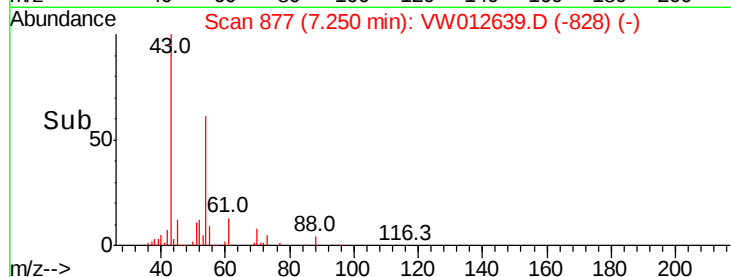
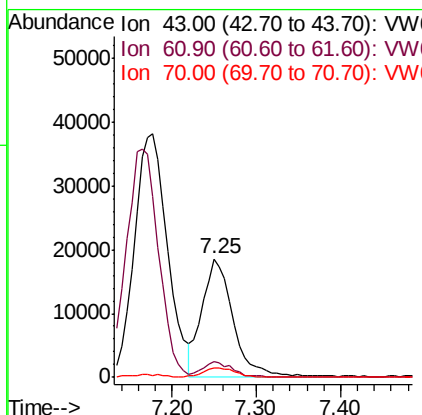
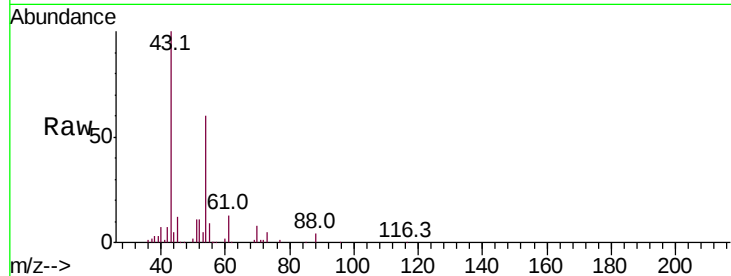




#37
Ethyl Acetate
Concen: 21.843 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

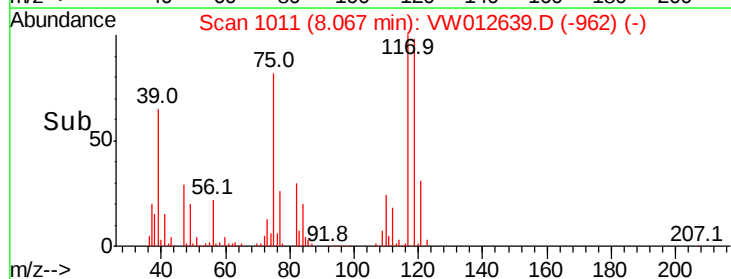
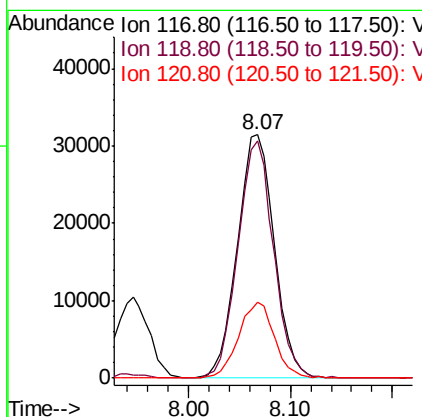
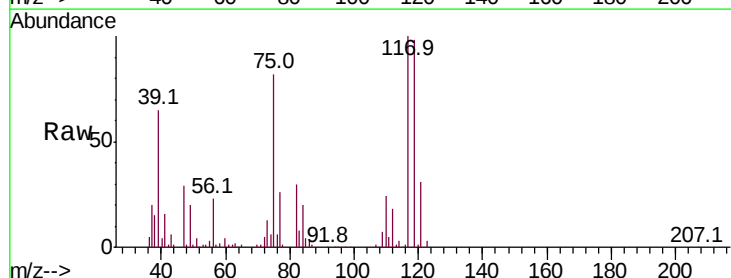
Instrument :
MSVOA_W
ClientSampled :

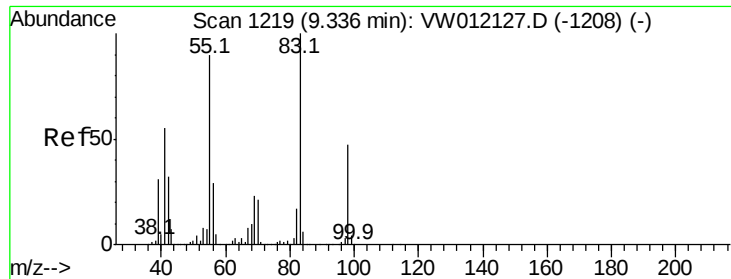
Tot Ion: 43 Resp: 47231
Ion Ratio Lower Upper
43 100
61 12.7 9.2 13.8
70 8.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 23.121 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 117 Resp: 78964
Ion Ratio Lower Upper
117 100
119 97.5 76.2 114.2
121 31.4 23.8 35.8

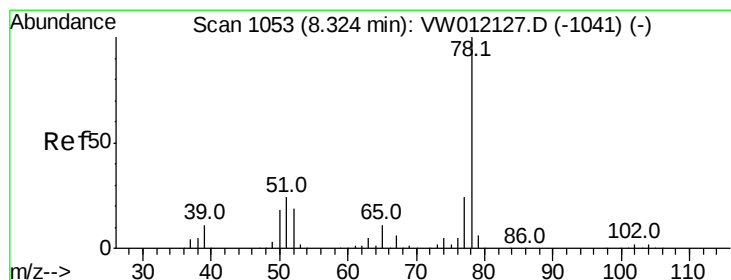
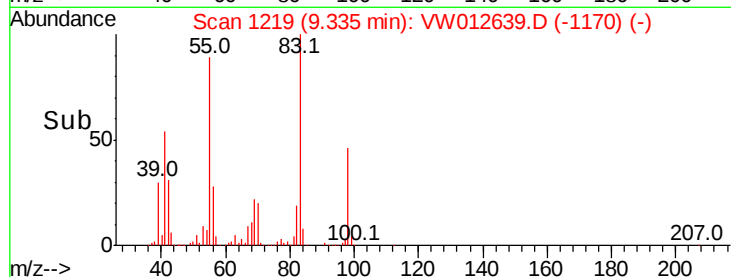
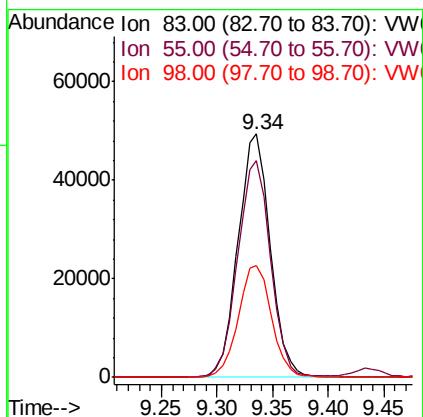
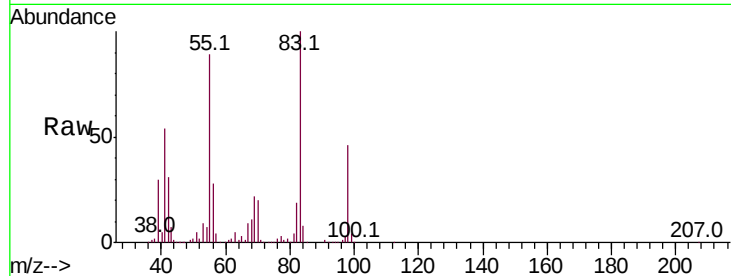




#39
Methylcyclohexane
Concen: 22.409 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

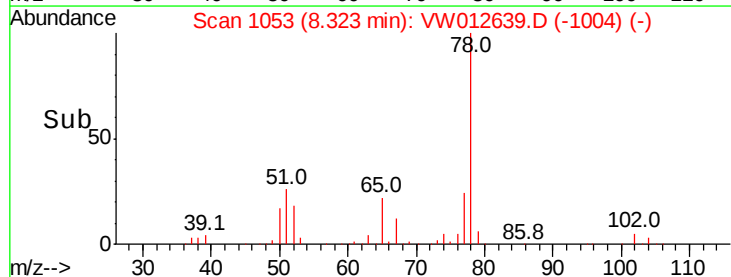
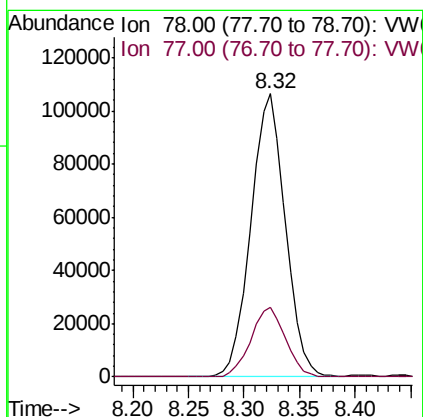
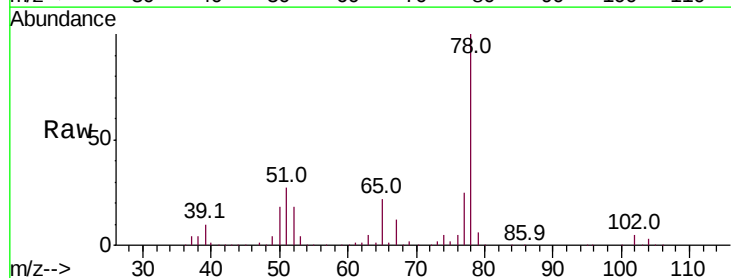
Instrument :
MSVOA_W
ClientSampleId :

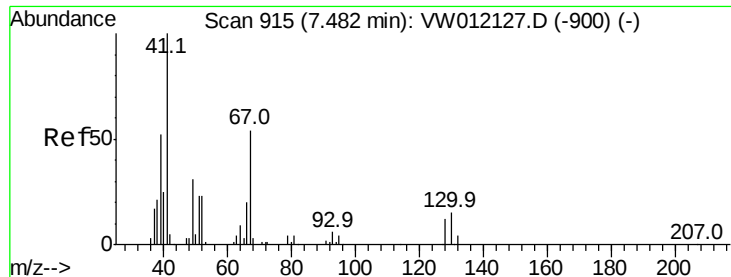
Tot Ion: 83 Resp: 99336
Ion Ratio Lower Upper
83 100
55 88.6 71.8 107.8
98 46.0 37.8 56.8



#40
Benzene
Concen: 21.285 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 78 Resp: 229332
Ion Ratio Lower Upper
78 100
77 24.6 19.5 29.3

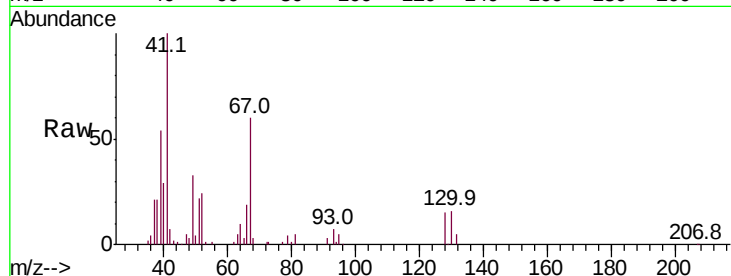




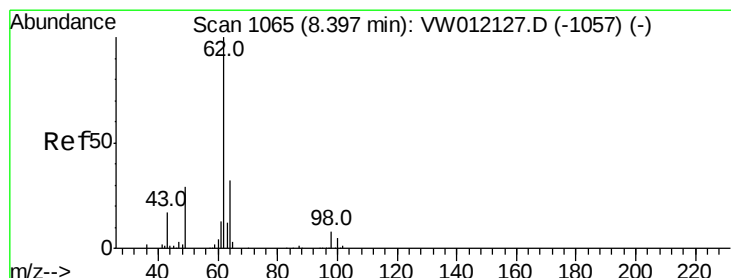
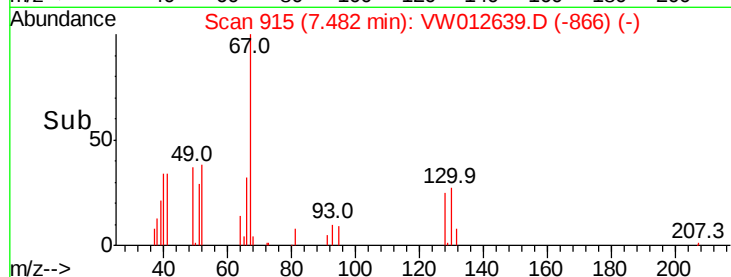
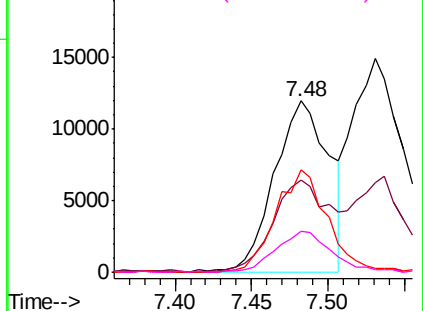
#41
Methacrylonitrile
Concen: 23.408 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	29748
Ion	Ratio	Lower	Upper
41	100		
39	55.1	45.8	68.8
67	57.0	46.2	69.4
52	24.5	21.0	31.6

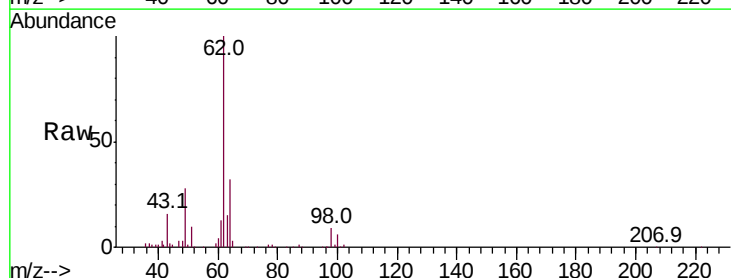


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

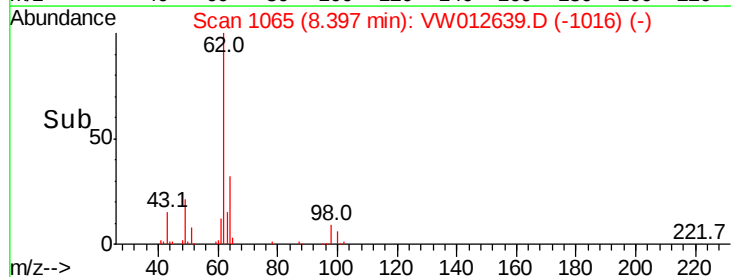
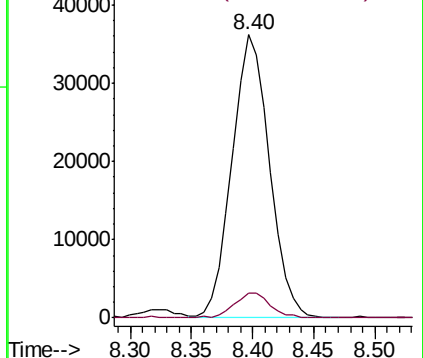


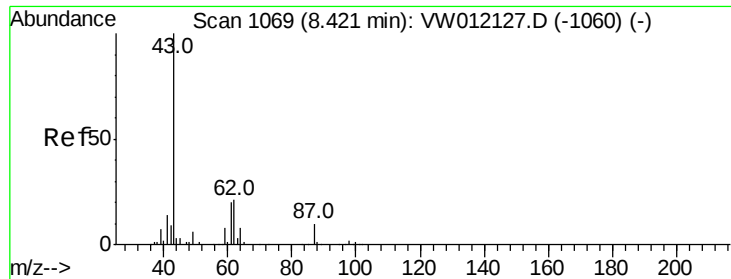
#42
1,2-Dichloroethane
Concen: 22.729 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion:	62	Resp:	76750
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 22.897 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampleId :

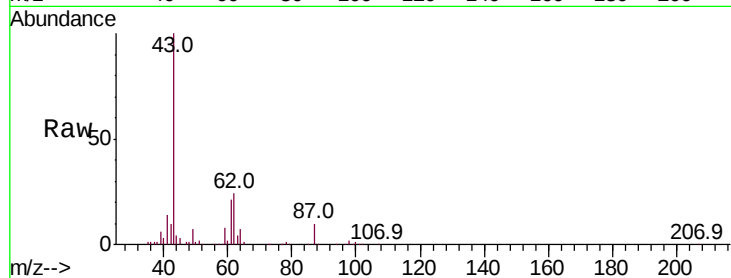
Tot Ion: 43 Resp: 91706

Ion Ratio Lower Upper

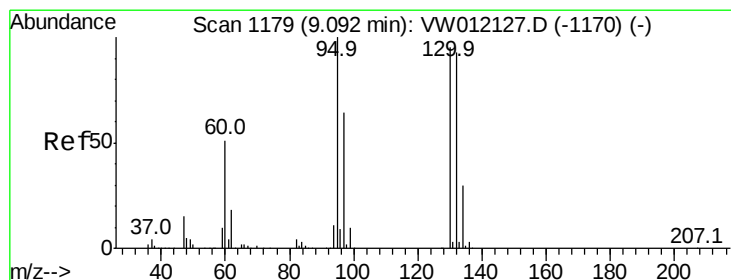
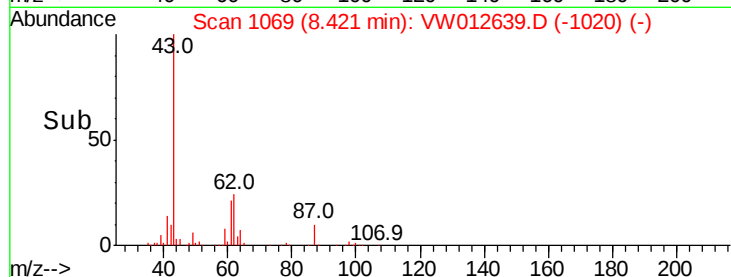
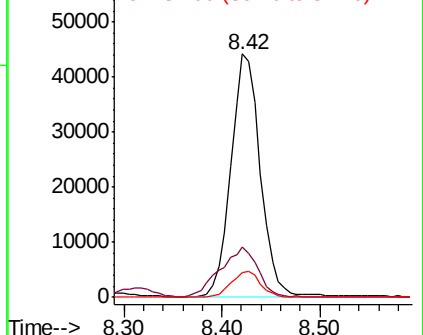
43 100

61 26.7 21.1 31.7

87 10.7 8.2 12.2



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



#44

Trichloroethene

Concen: 23.733 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012639.D

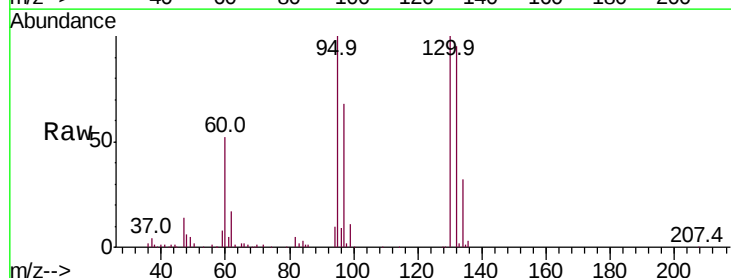
Acq: 05 Sep 2019 14:36

Tgt Ion: 130 Resp: 62161

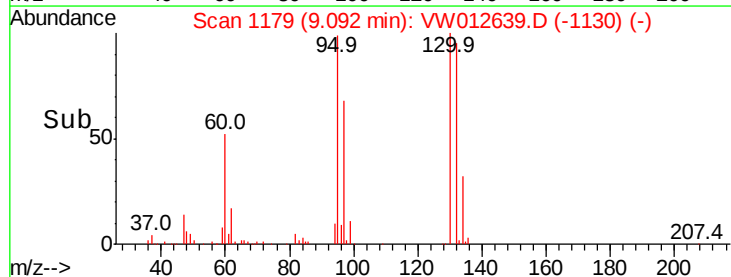
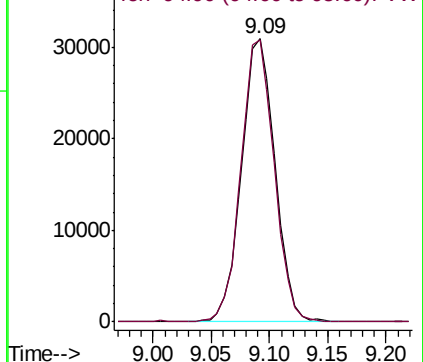
Ion Ratio Lower Upper

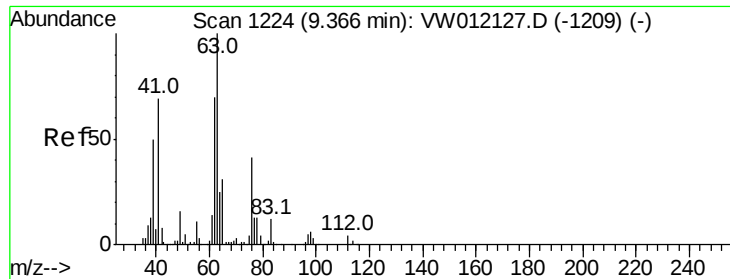
130 100

95 99.6 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: 23.348 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

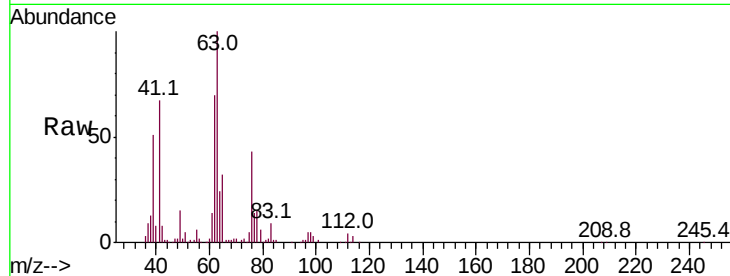
ClientSampleId :

Tot Ion: 63 Resp: 67704

Ion Ratio Lower Upper

63 100

65 31.5 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

40000

30000

20000

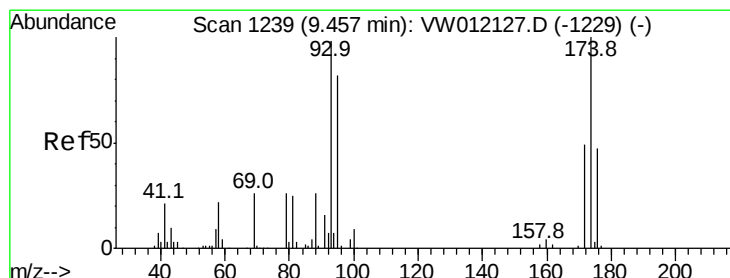
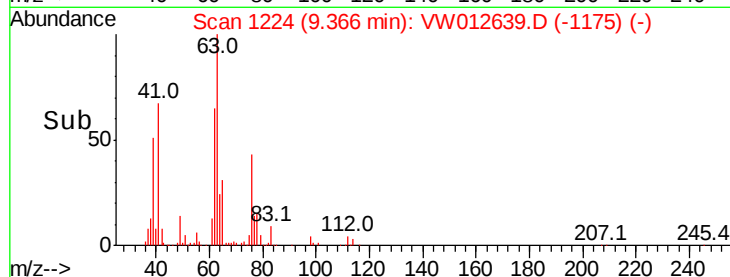
10000

0

9.30

9.40

Time-->



#46

Dibromomethane

Concen: 23.854 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

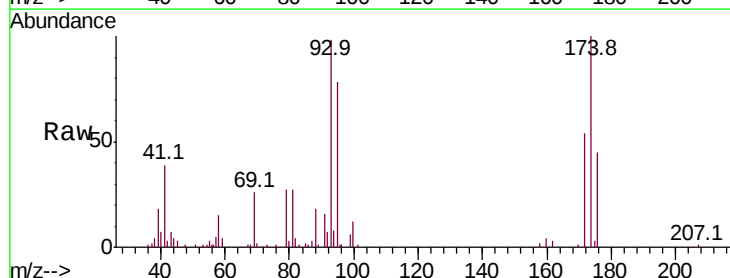
Tgt Ion: 93 Resp: 30776

Ion Ratio Lower Upper

93 100

95 81.8 67.2 100.8

174 99.9 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

20000

15000

10000

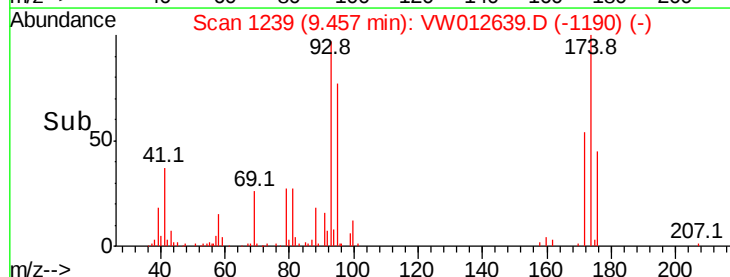
5000

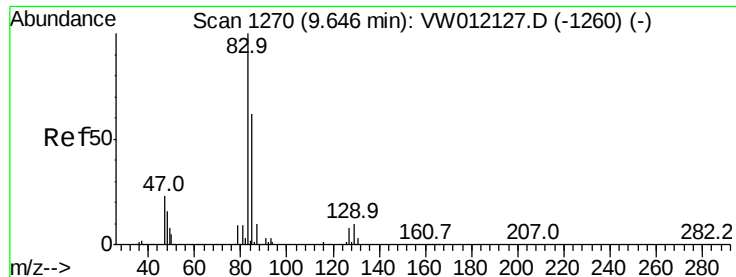
0

9.40

9.50

Time-->





#47

Bromodichloromethane

Concen: 24.065 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampled :

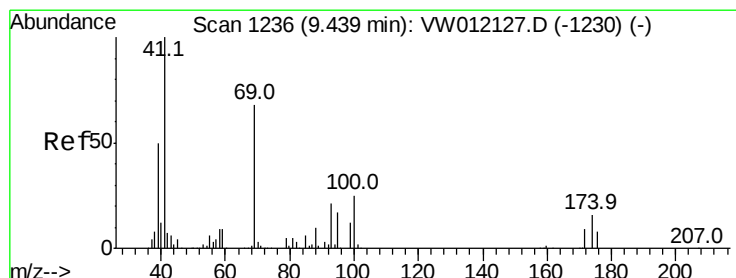
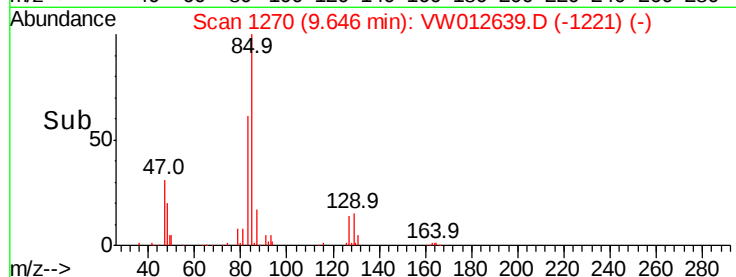
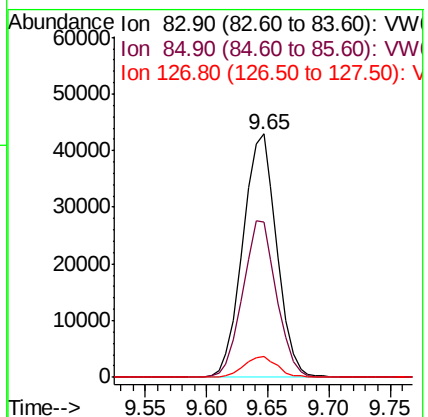
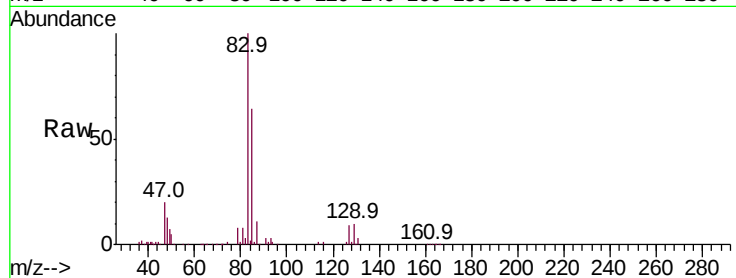
Tot Ion: 83 Resp: 82632

Ion Ratio Lower Upper

83 100

85 63.8 49.4 74.2

127 8.8 6.1 9.1



#48

Methyl methacrylate

Concen: 23.451 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

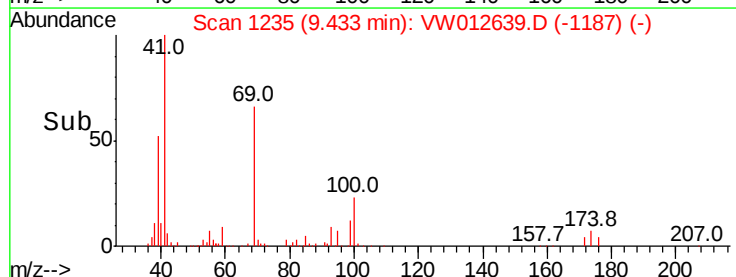
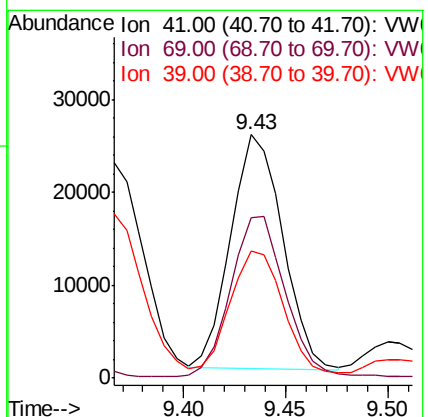
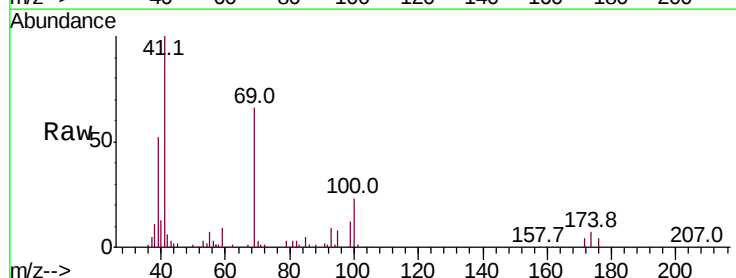
Tgt Ion: 41 Resp: 44704

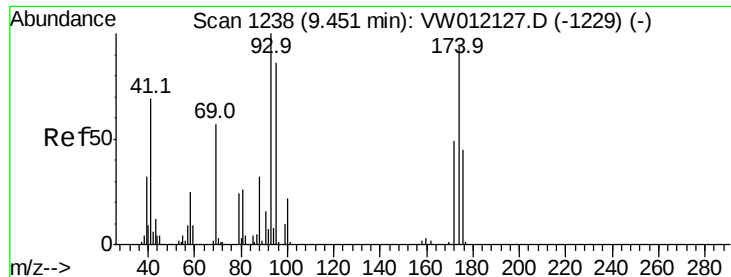
Ion Ratio Lower Upper

41 100

69 72.5 56.7 85.1

39 57.6 42.0 63.0

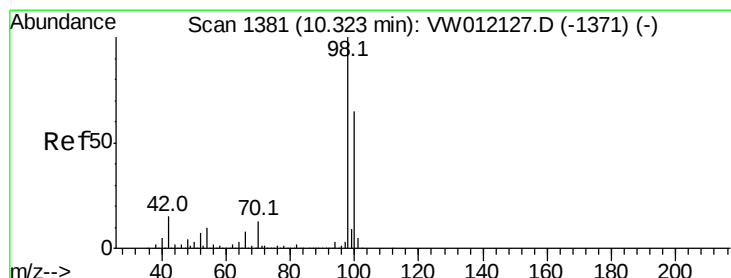
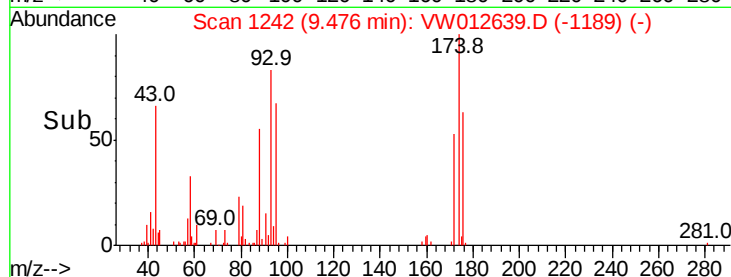
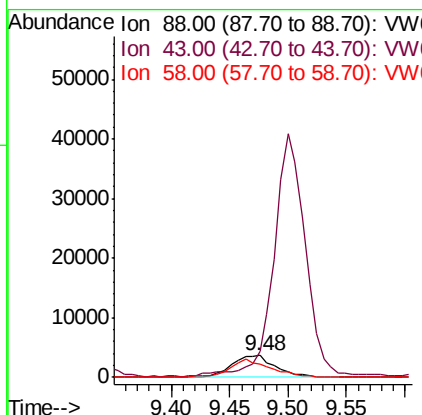
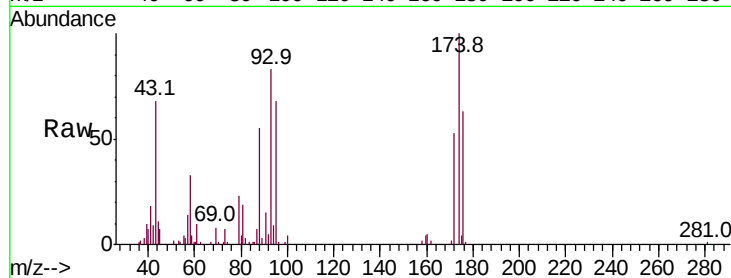




#49
1,4-Dioxane
Concen: 483.266 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.02 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

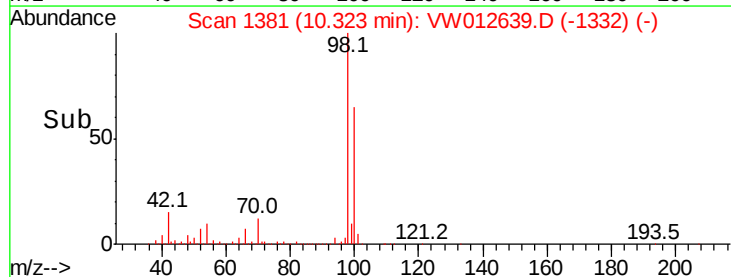
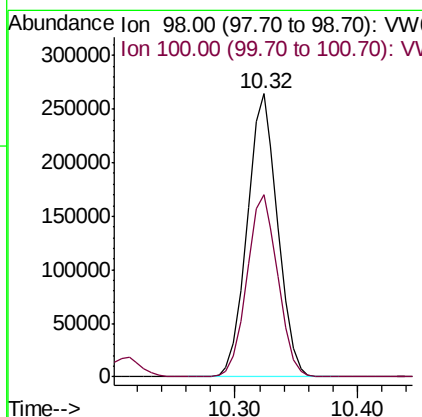
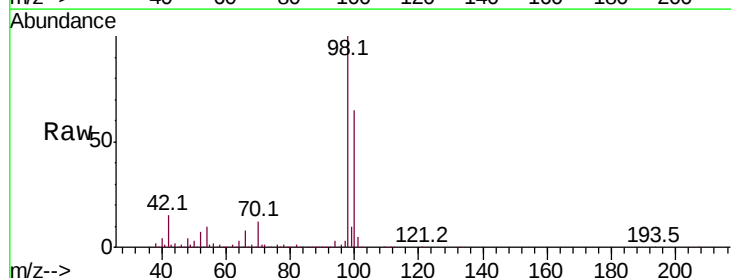
Instrument :
MSVOA_W
ClientSampled :

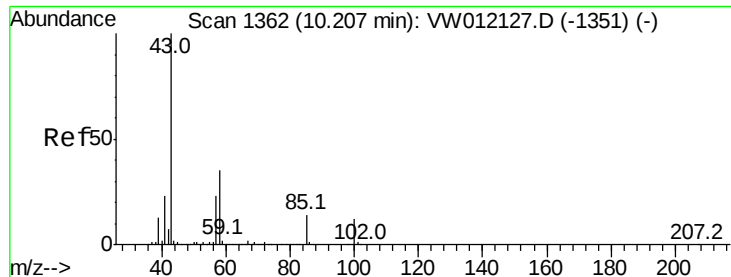
Tot Ion: 88 Resp: 9545
Ion Ratio Lower Upper
88 100
43 0.0 32.9 49.3#
58 79.9 71.0 106.4



#50
Toluene-d8
Concen: 49.289 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 98 Resp: 455500
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 122.727 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

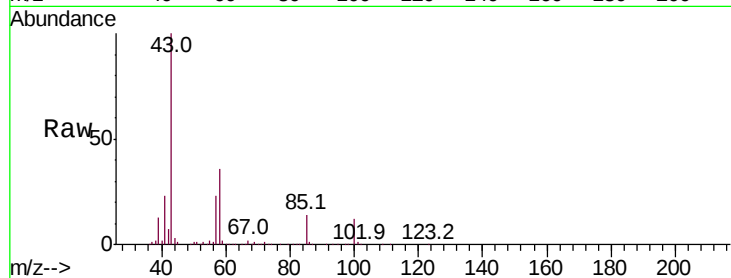
ClientSampled :

Tot Ion: 43 Resp: 250016

Ion Ratio Lower Upper

43 100

58 35.3 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

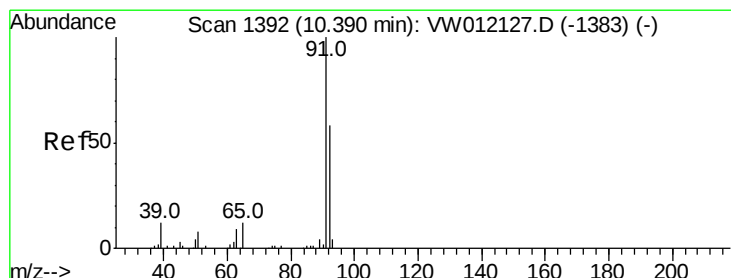
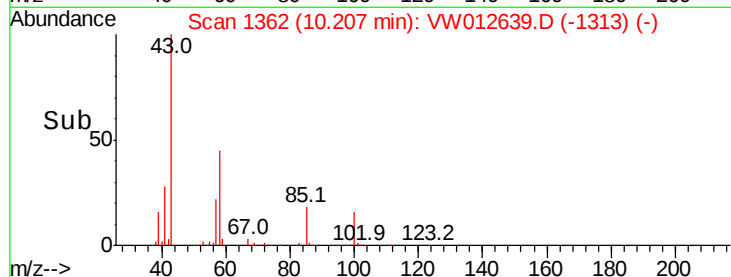
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 23.558 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012639.D

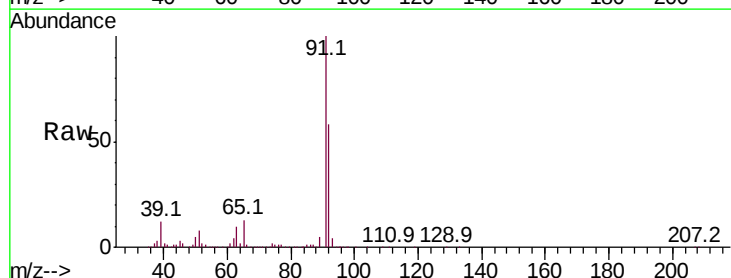
Acq: 05 Sep 2019 14:36

Tgt Ion: 92 Resp: 152485

Ion Ratio Lower Upper

92 100

91 169.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

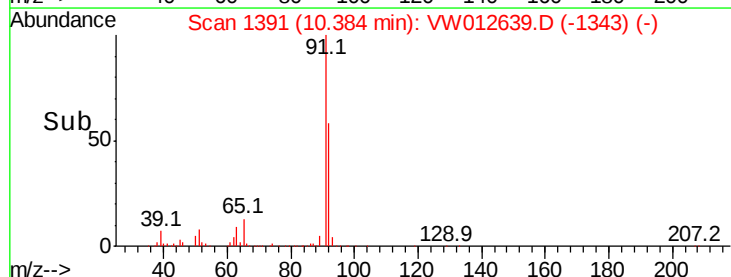
150000

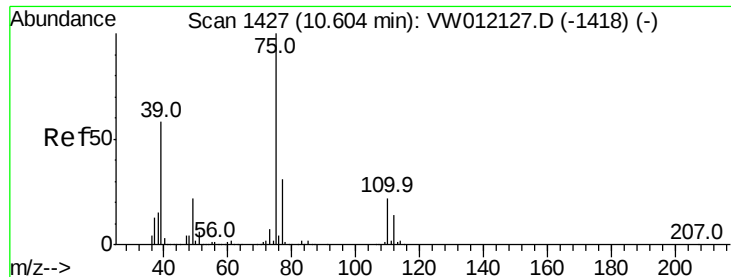
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 24.278 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

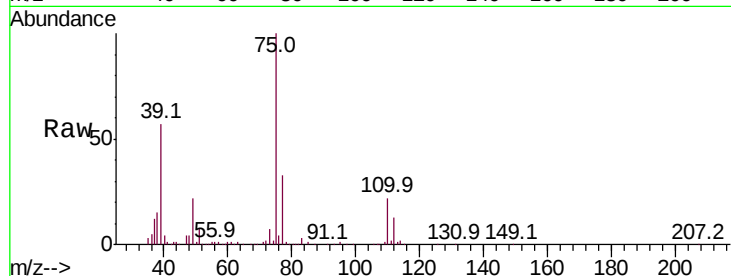
ClientSampled :

Tot Ion: 75 Resp: 84914

Ion Ratio Lower Upper

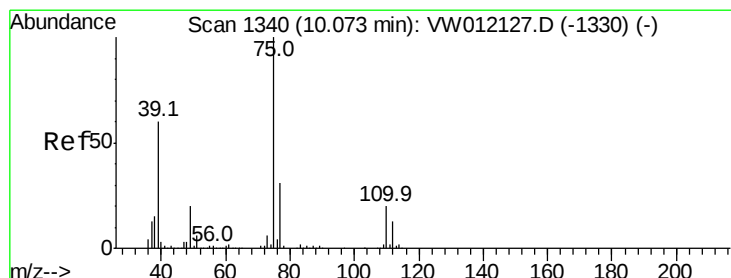
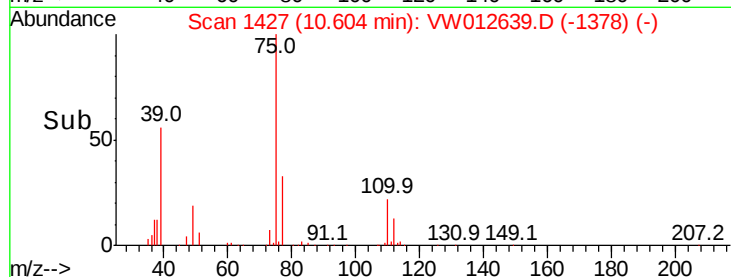
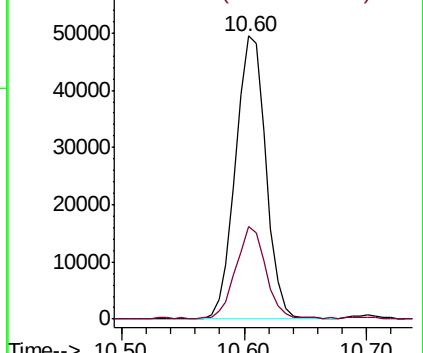
75 100

77 32.6 25.0 37.4



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: 23.201 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

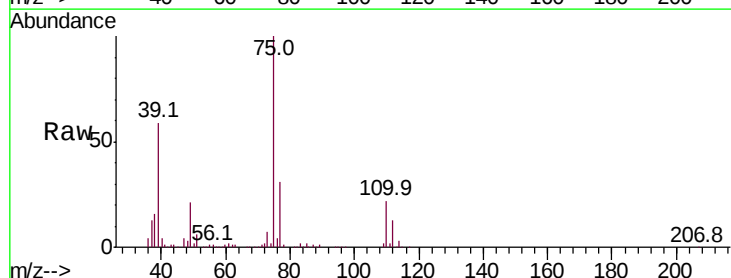
Tgt Ion: 75 Resp: 97981

Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

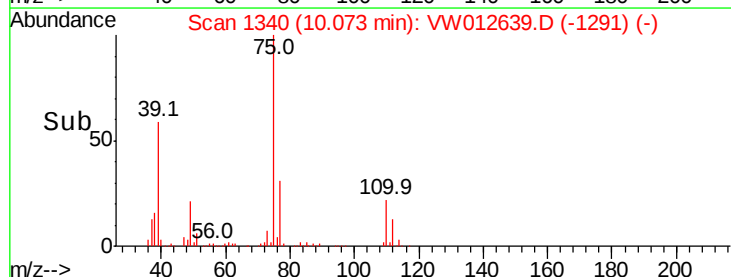
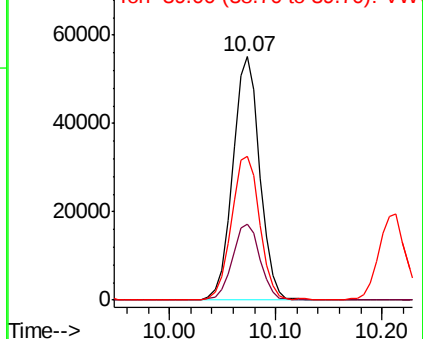
39 58.7 48.3 72.5

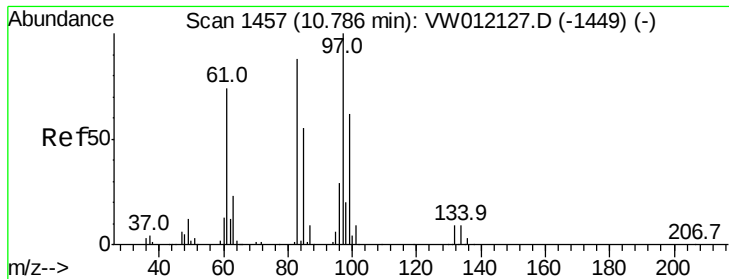


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

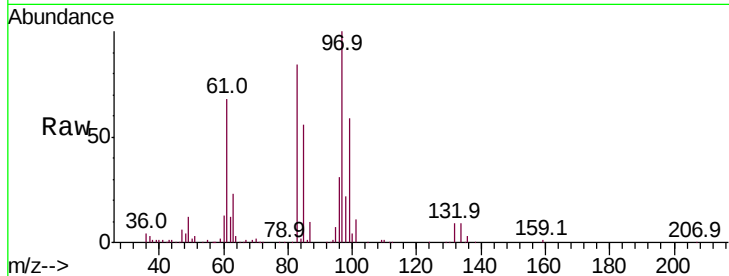




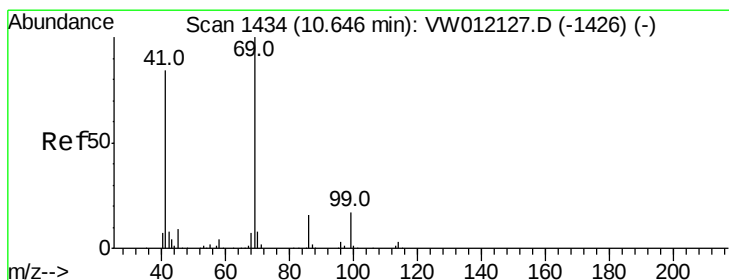
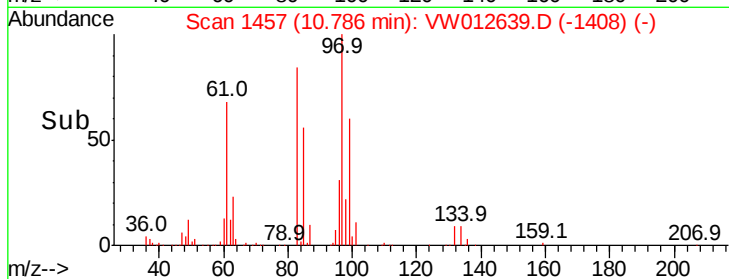
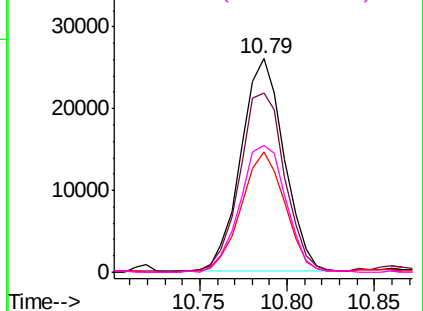
#55
 1,1,2-Trichloroethane
 Concen: 24.406 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	44552
Ion	Ratio	Lower	Upper
97	100		
83	84.0	70.8	106.2
85	56.1	43.8	65.8
99	59.1	49.8	74.6

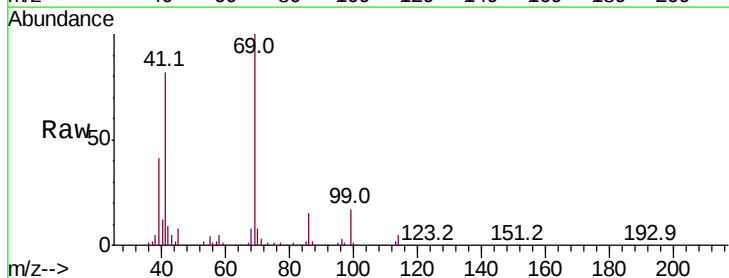


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

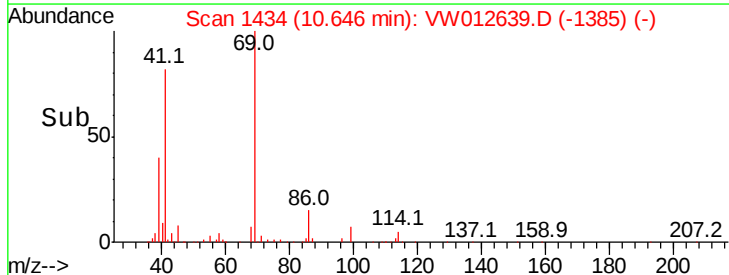
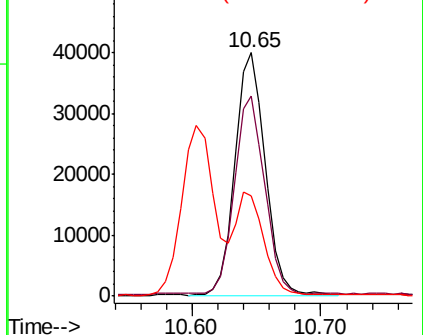


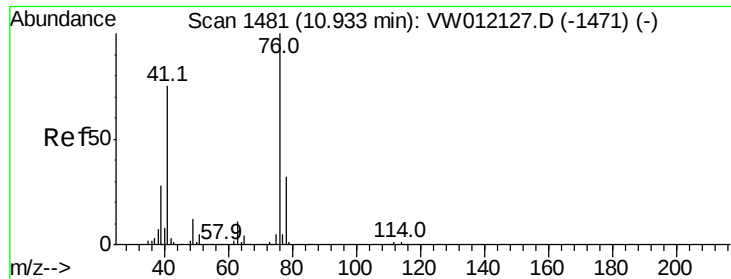
#56
 Ethyl methacrylate
 Concen: 24.262 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion:	69	Resp:	64457
Ion	Ratio	Lower	Upper
69	100		
41	81.6	66.5	99.7
39	39.2	31.0	46.4



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

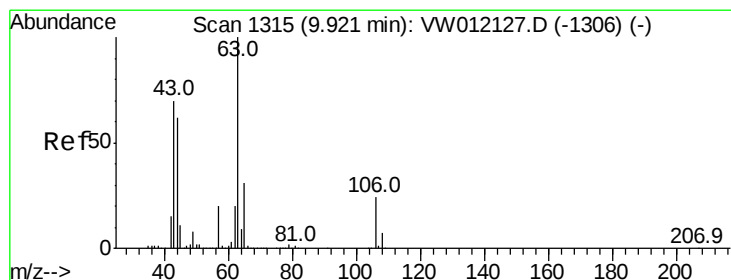
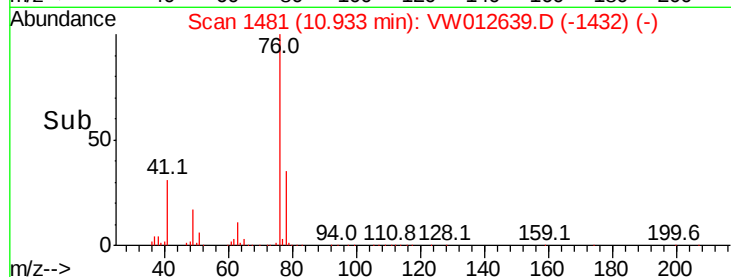
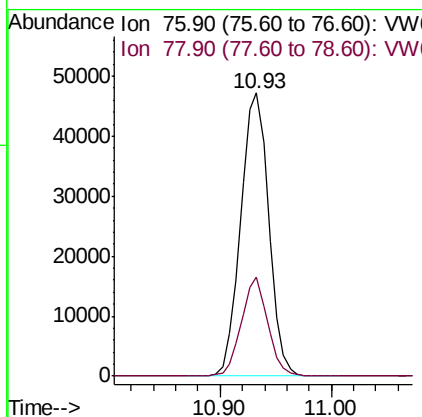
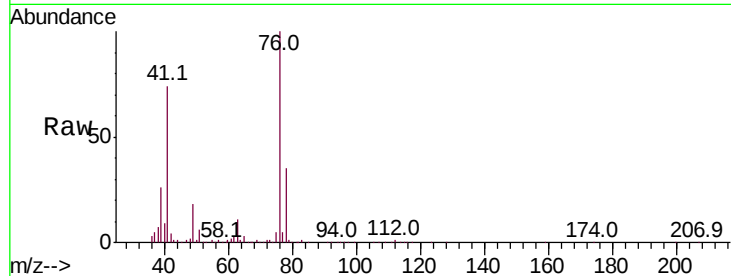




#57
 1,3-Dichloropropane
 Concen: 23.933 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

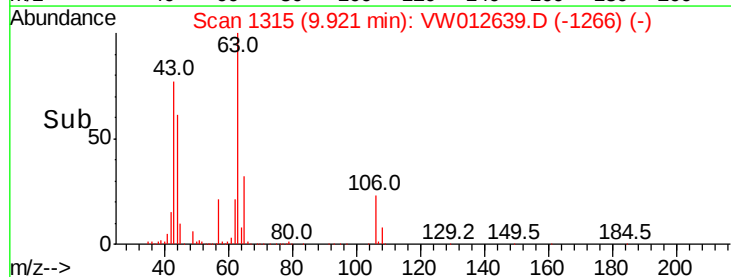
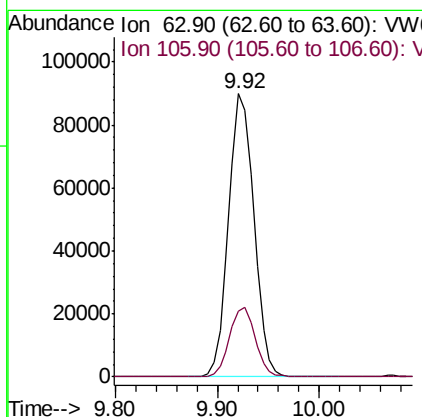
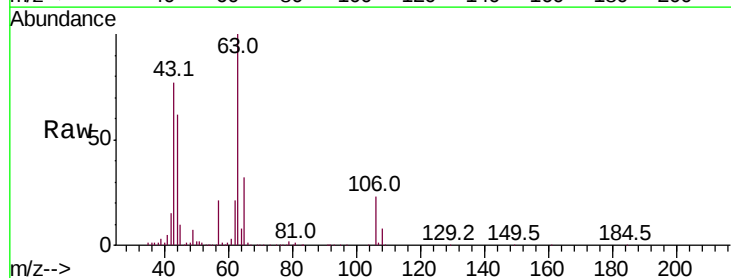
Instrument :
 MSVOA_W
 ClientSampled :

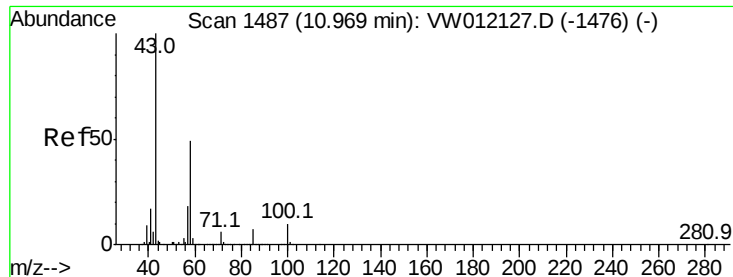
Tot Ion: 76 Resp: 82559
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.765 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion: 63 Resp: 155118
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8

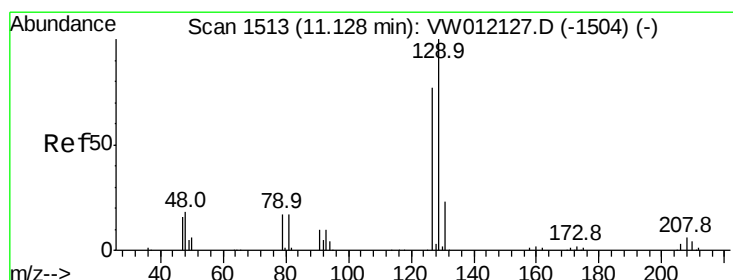
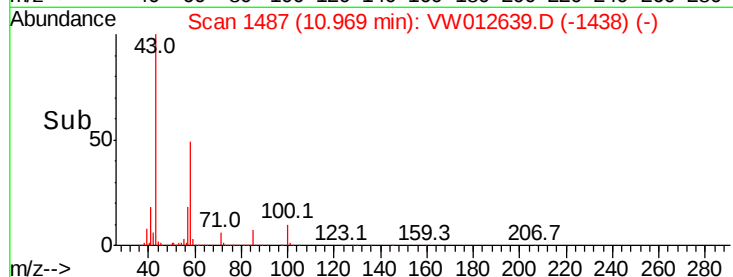
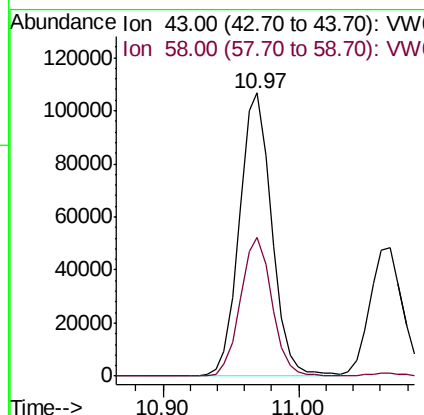
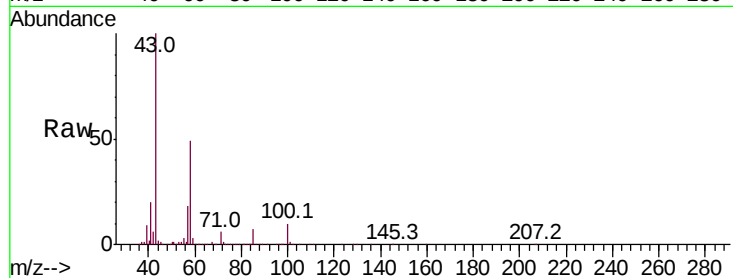




#59
2-Hexanone
Concen: 121.971 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

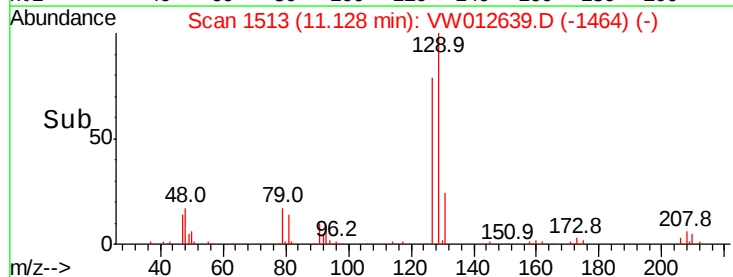
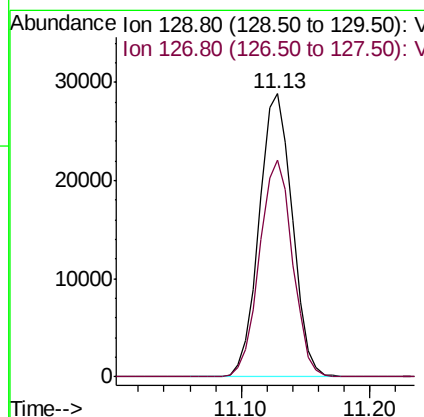
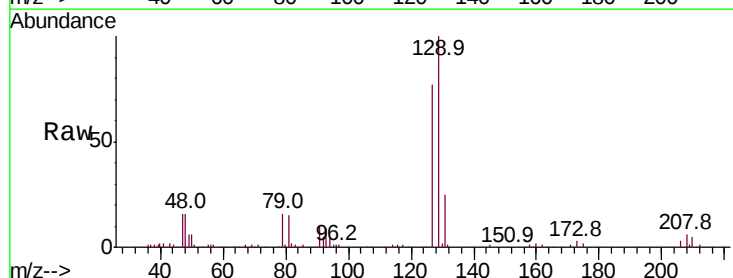
Instrument :
MSVOA_W
ClientSampled :

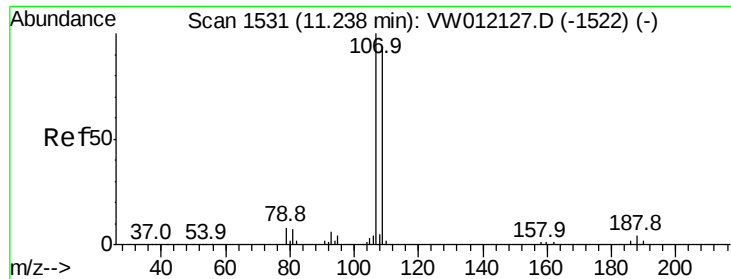
Tot Ion: 43 Resp: 175812
Ion Ratio Lower Upper
43 100
58 48.3 24.3 72.9



#60
Dibromochloromethane
Concen: 25.253 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 129 Resp: 51345
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8

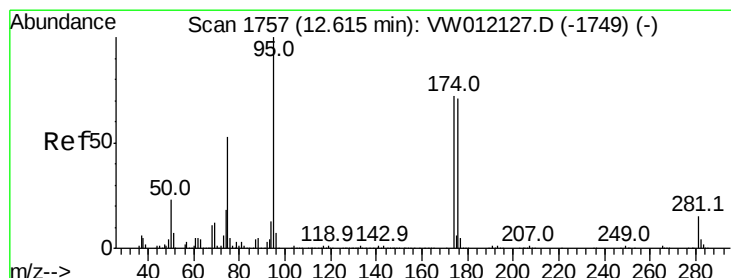
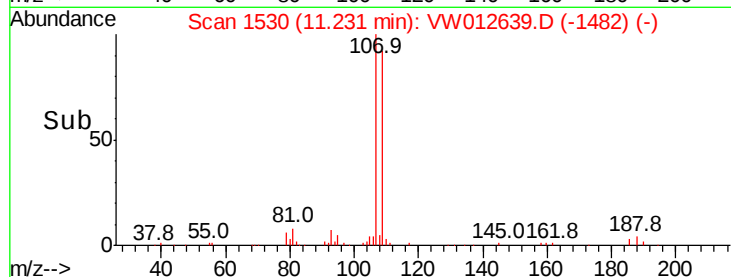
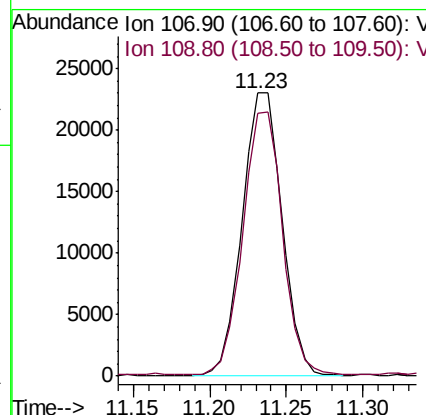
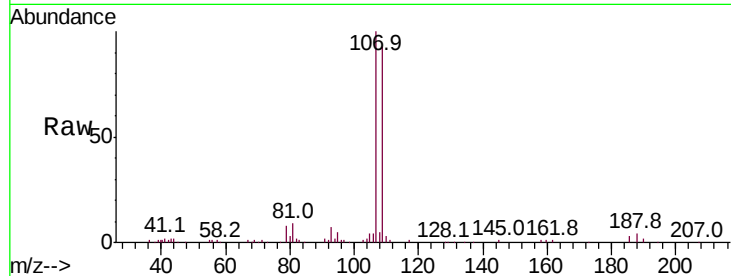




#61
 1,2-Dibromoethane
 Concen: 24.604 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

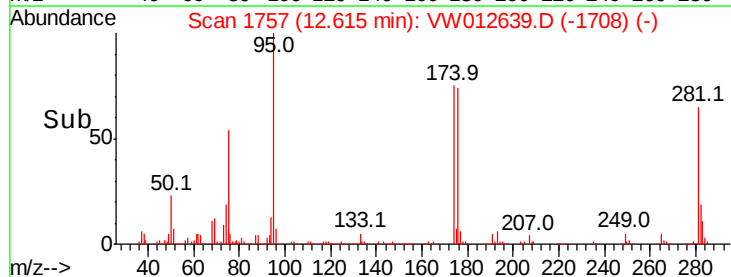
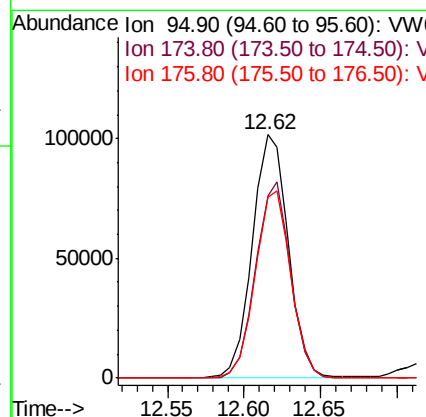
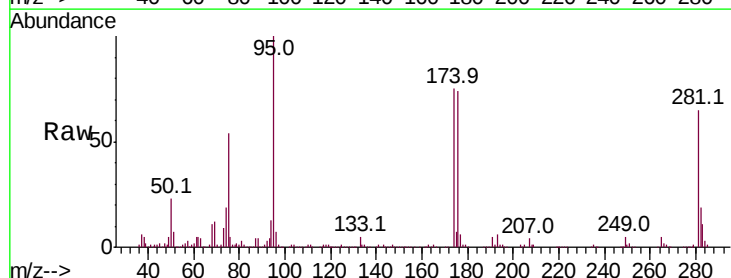
Instrument :
 MSVOA_W
 ClientSampled :

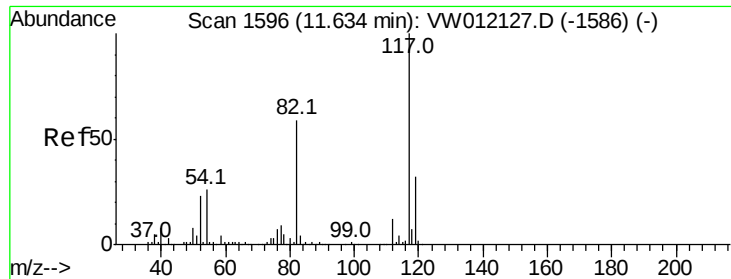
Tot Ion:107 Resp: 41841
 Ion Ratio Lower Upper
 107 100
 109 91.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.701 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion: 95 Resp: 165163
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 150.8
 176 76.4 0.0 148.6

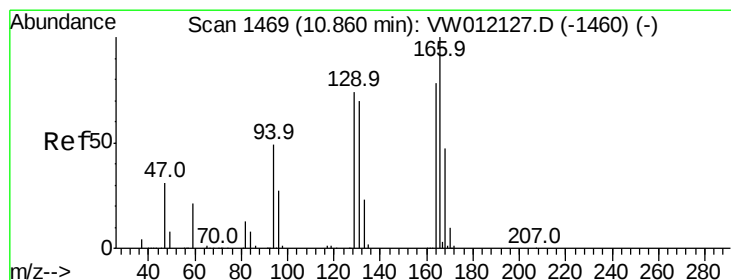
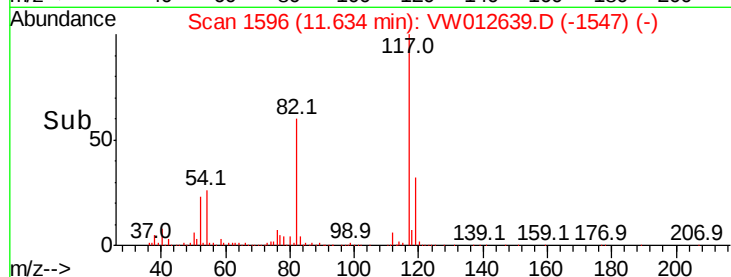
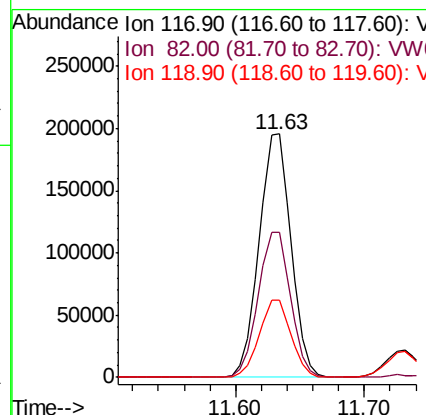
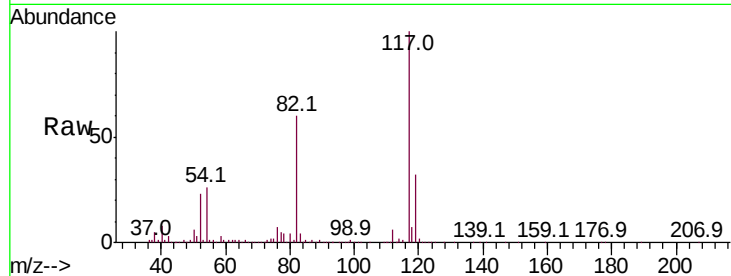




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

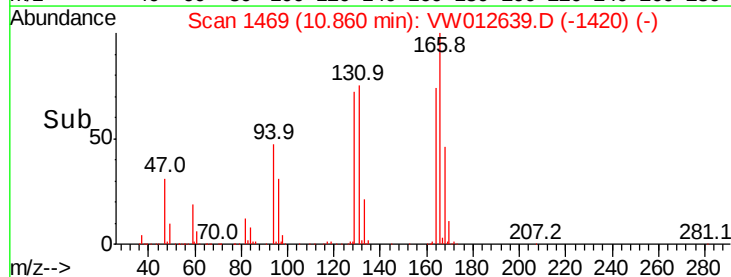
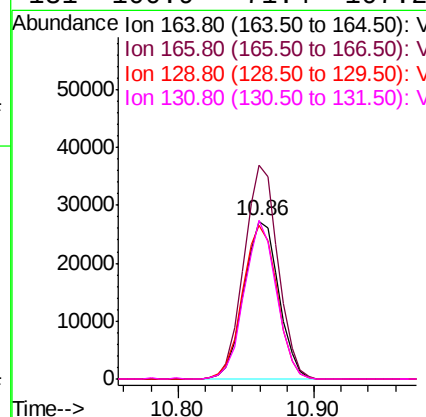
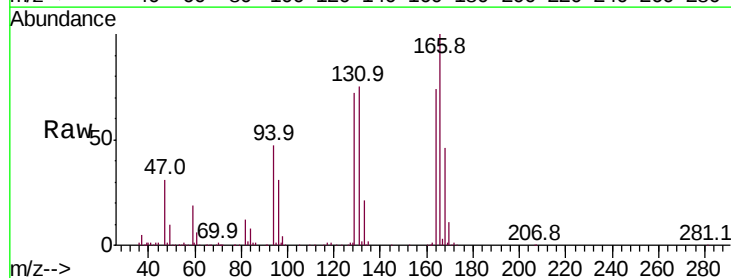
Instrument :
MSVOA_W
ClientSampleId :

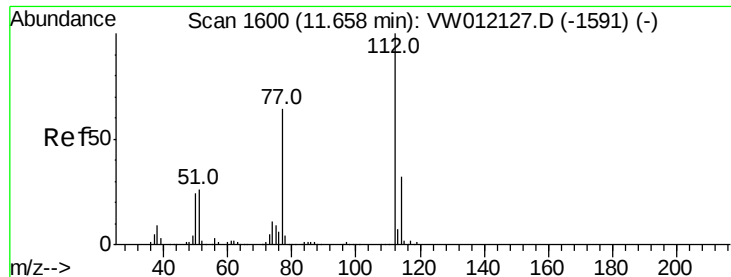
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.4	71.2
119	31.6	25.4	38.2



#64
Tetrachloroethene
Concen: 22.486 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.4	102.4	153.6
129	97.6	75.8	113.6
131	100.9	71.4	107.2

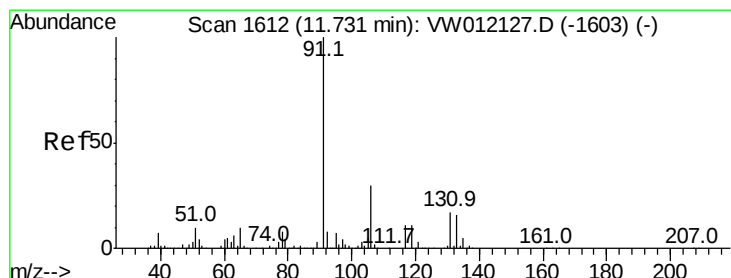
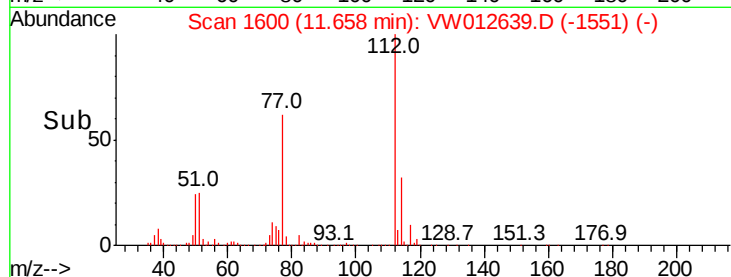
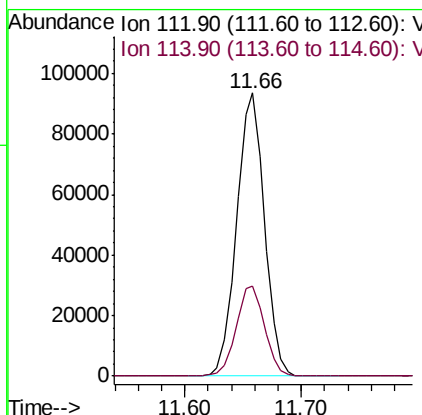
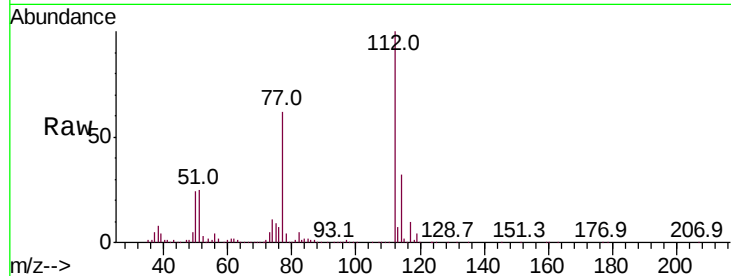




#65
Chlorobenzene
Concen: 23.604 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

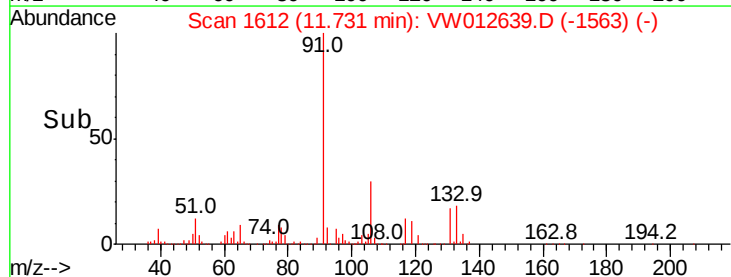
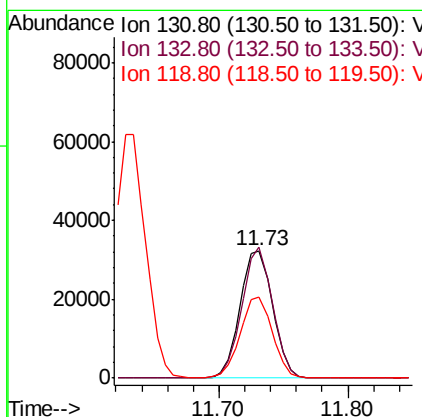
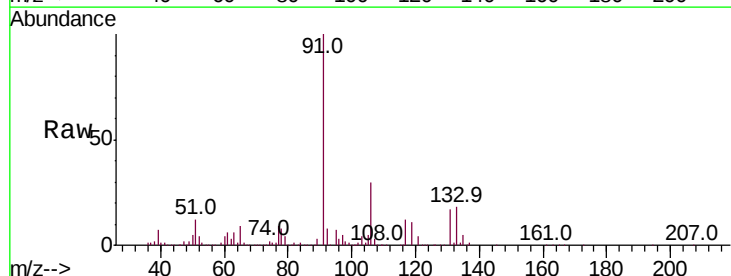
Instrument :
MSVOA_W
ClientSampled :

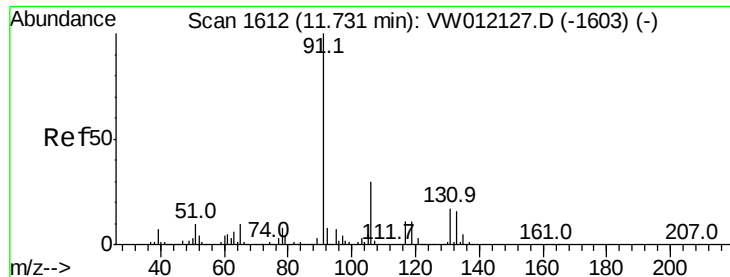
Tot Ion:112 Resp: 155600
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 24.671 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion:131 Resp: 56736
Ion Ratio Lower Upper
131 100
133 96.9 47.1 141.3
119 62.5 31.8 95.3

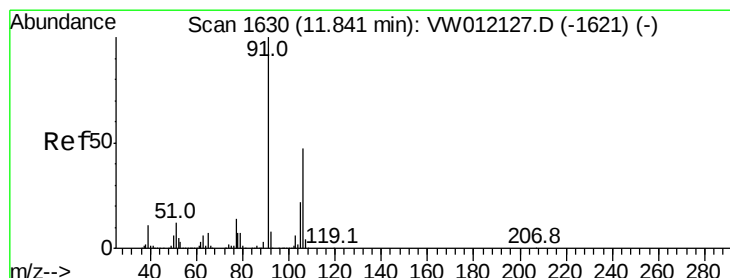
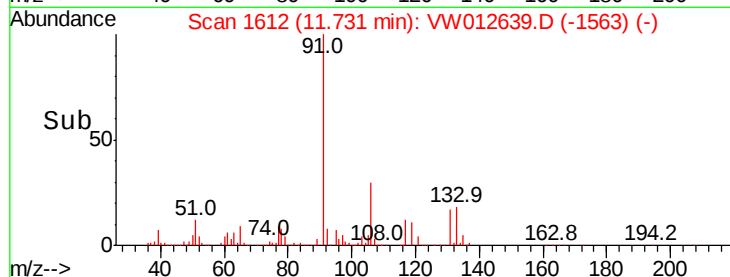
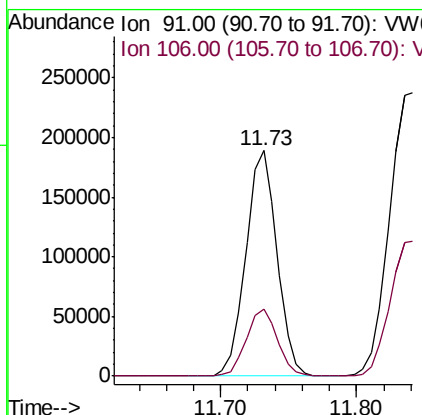
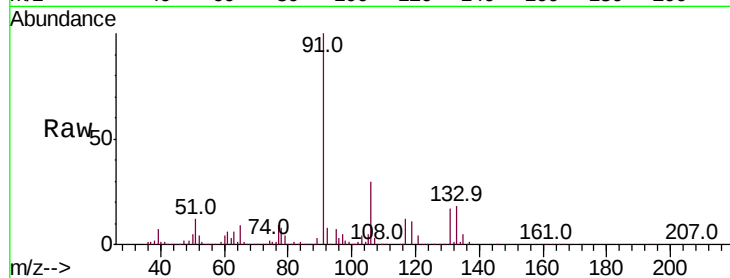




#67
Ethyl Benzene
Concen: 23.838 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

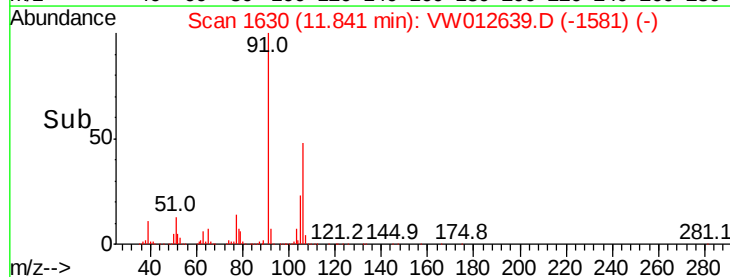
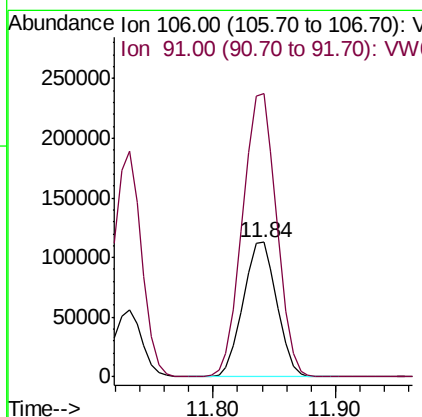
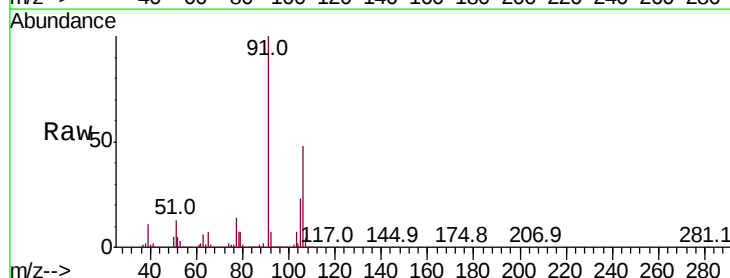
Instrument :
MSVOA_W
ClientSampleId :

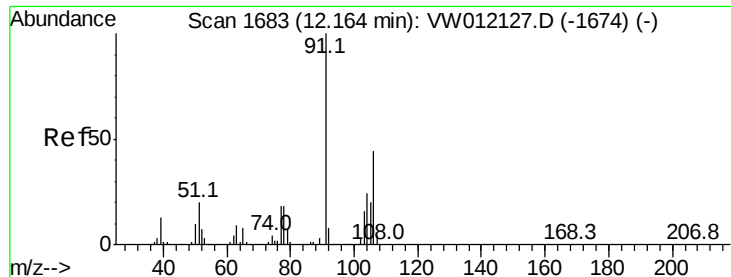
Tot Ion: 91 Resp: 302706
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5



#68
m/p-Xylenes
Concen: 47.343 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion: 106 Resp: 216558
Ion Ratio Lower Upper
106 100
91 211.5 169.5 254.3

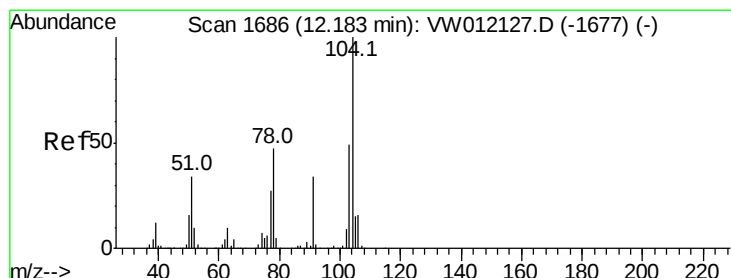
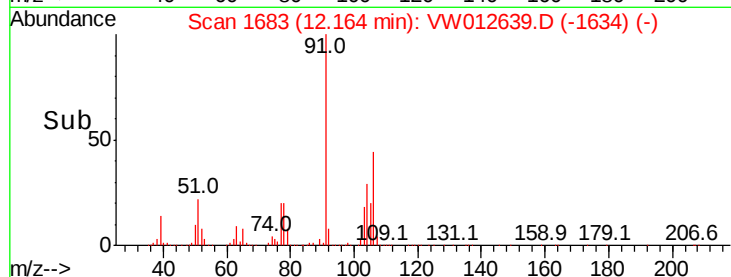
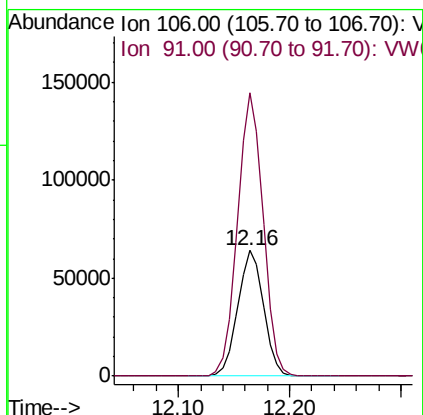
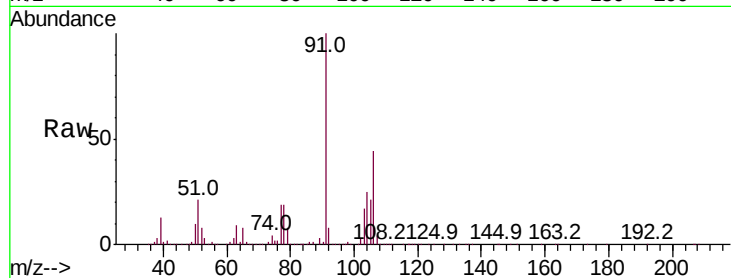




#69
o-Xylene
Concen: 24.181 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

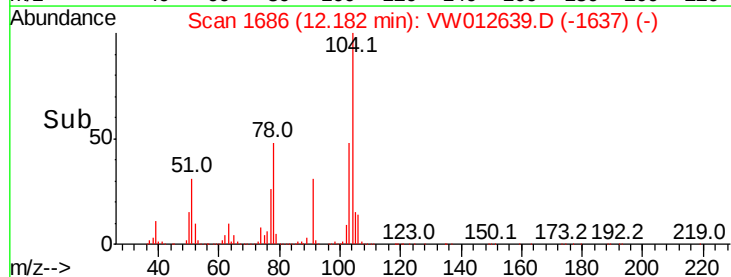
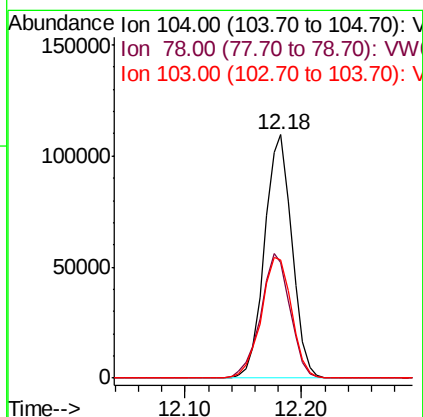
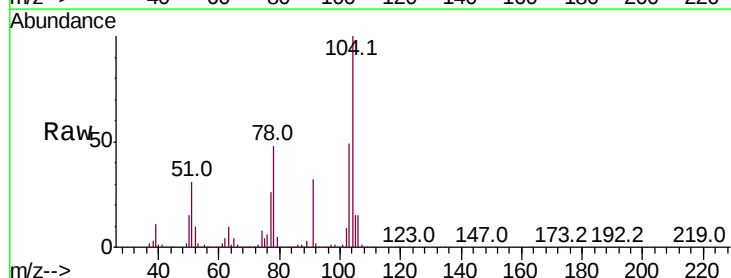
Instrument :
MSVOA_W
ClientSampleId :

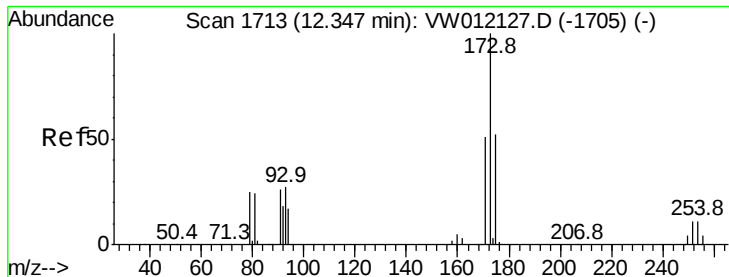
Tot Ion:106 Resp: 102372
Ion Ratio Lower Upper
106 100
91 223.5 111.6 334.6



#70
Styrene
Concen: 24.243 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion:104 Resp: 177649
Ion Ratio Lower Upper
104 100
78 55.4 43.1 64.7
103 55.3 43.5 65.3





#71

Bromoform

Concen: 25.695 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampled :

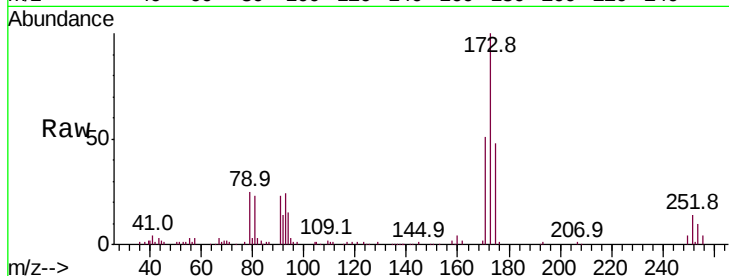
Tot Ion:173 Resp: 29441

Ion Ratio Lower Upper

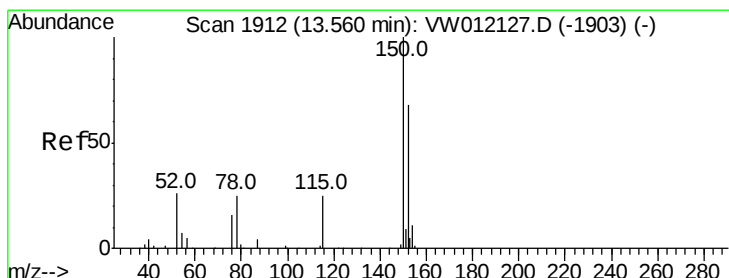
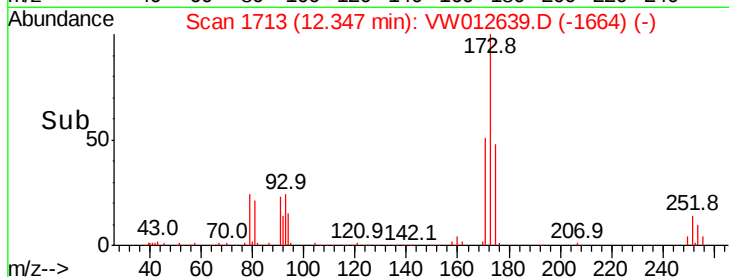
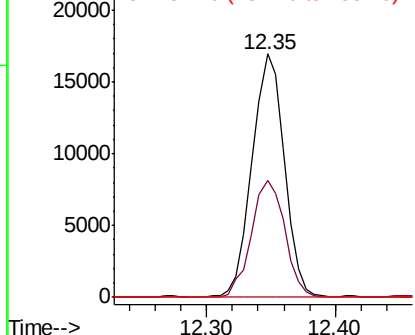
173 100

175 49.6 24.6 74.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

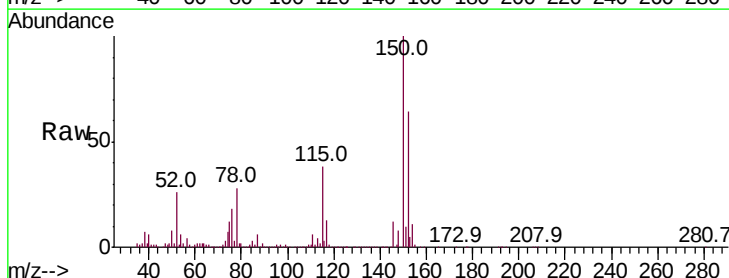
Tgt Ion:152 Resp: 164680

Ion Ratio Lower Upper

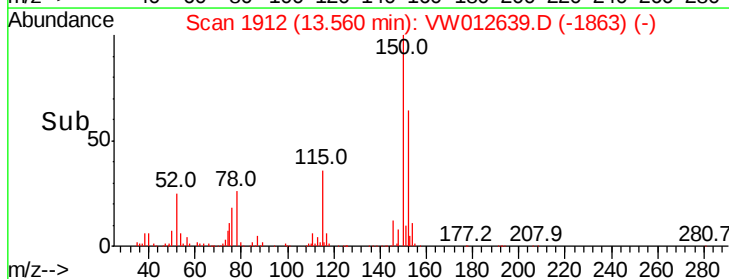
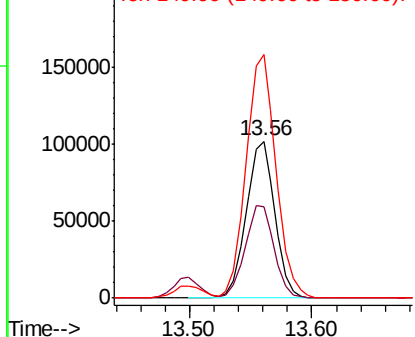
152 100

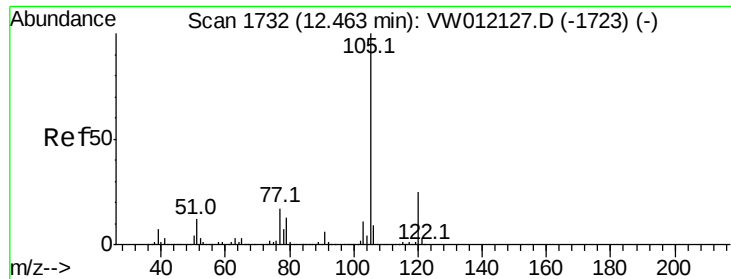
115 59.7 30.1 90.3

150 162.9 0.0 345.8



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: 23.734 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

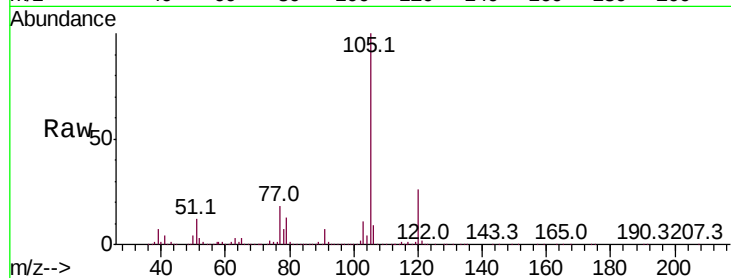
ClientSampleId :

Tot Ion:105 Resp: 292865

Ion Ratio Lower Upper

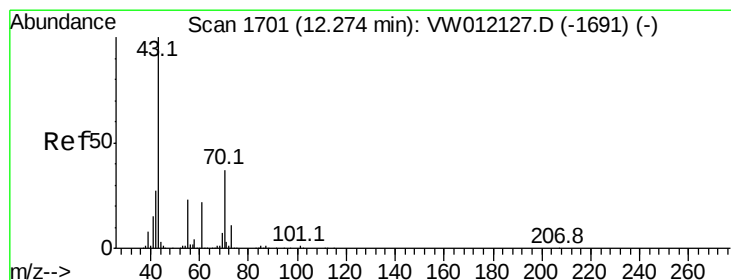
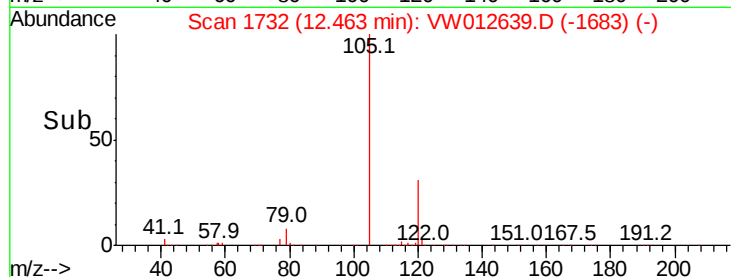
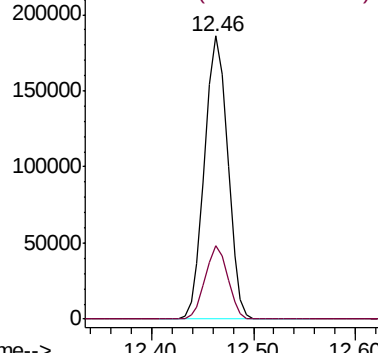
105 100

120 25.3 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.377 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Tgt Ion: 43 Resp: 87155

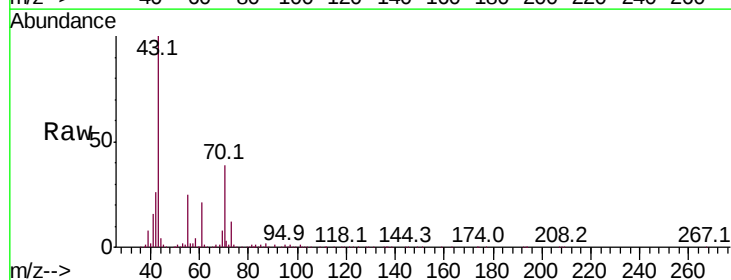
Ion Ratio Lower Upper

43 100

70 37.8 28.6 43.0

55 23.7 17.8 26.6

61 22.3 17.3 25.9

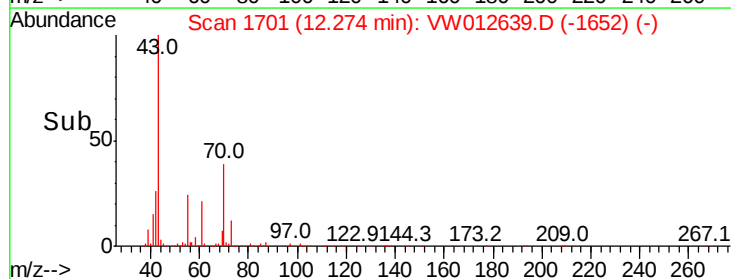
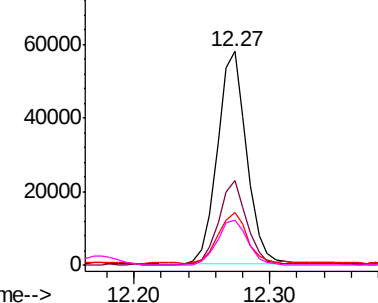


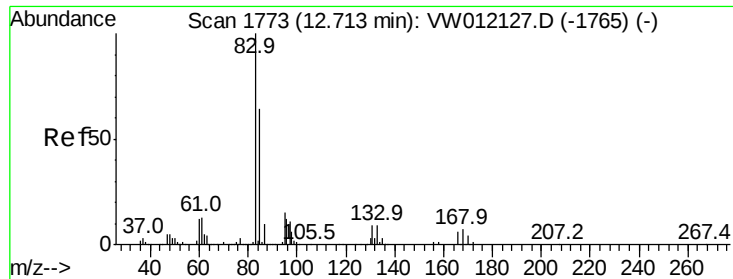
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 23.446 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

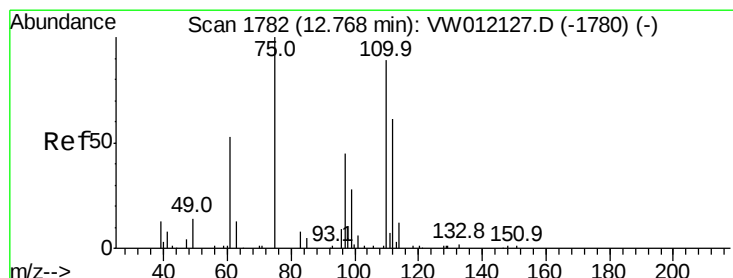
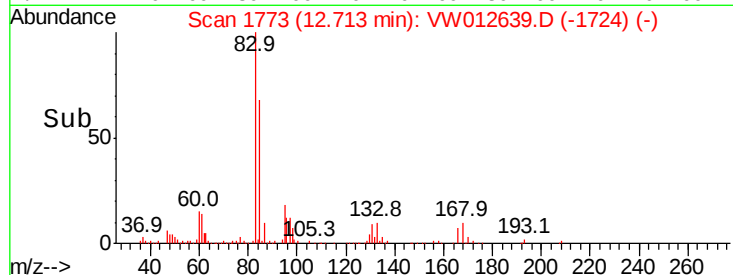
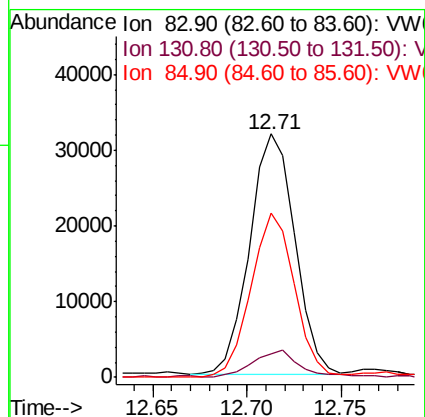
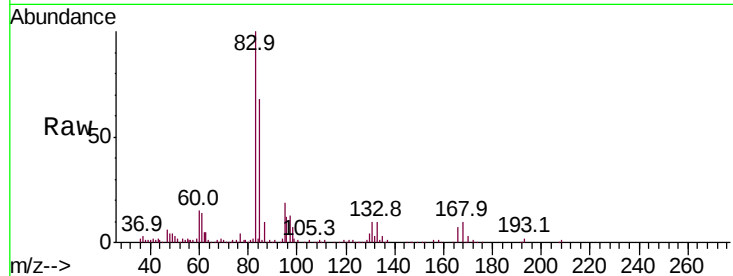
Tot Ion: 83 Resp: 53040

Ion Ratio Lower Upper

83 100

131 11.2 4.9 14.7

85 65.4 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 45.060 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012639.D

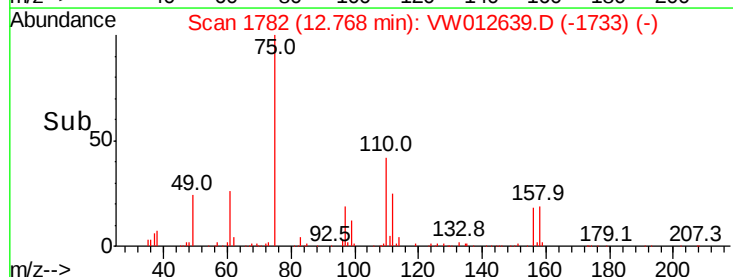
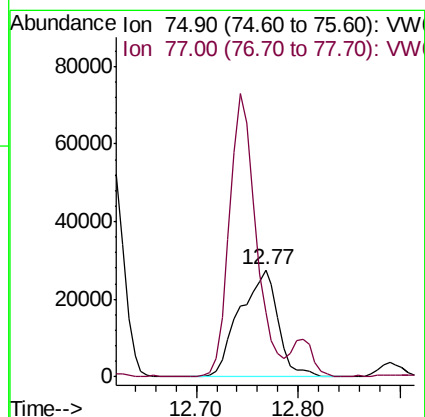
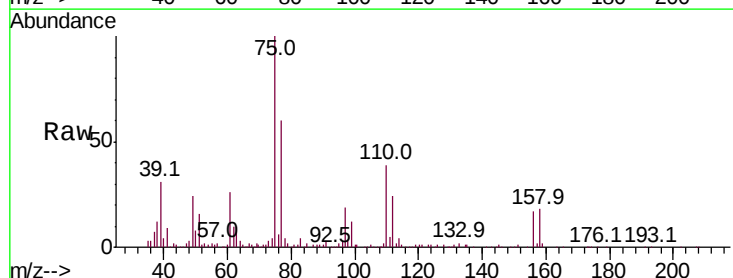
Acq: 05 Sep 2019 14:36

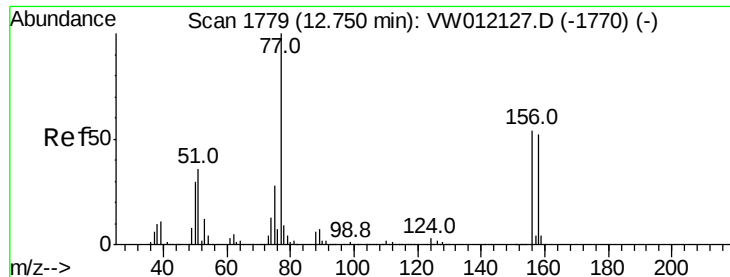
Tgt Ion: 75 Resp: 72270

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 23.901 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampled :

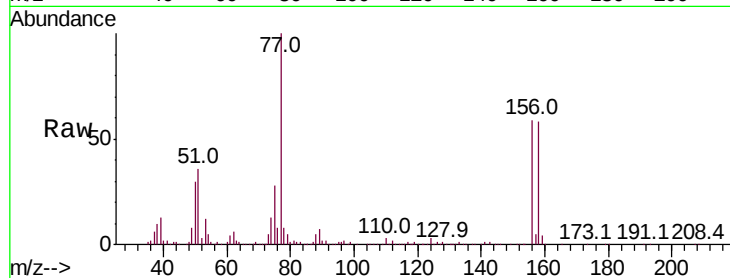
Tot Ion:156 Resp: 63806

Ion Ratio Lower Upper

156 100

77 206.3 107.3 321.8

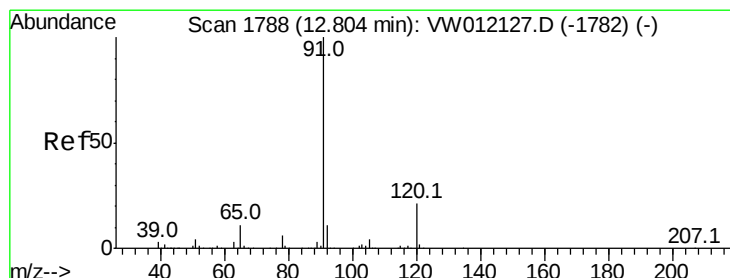
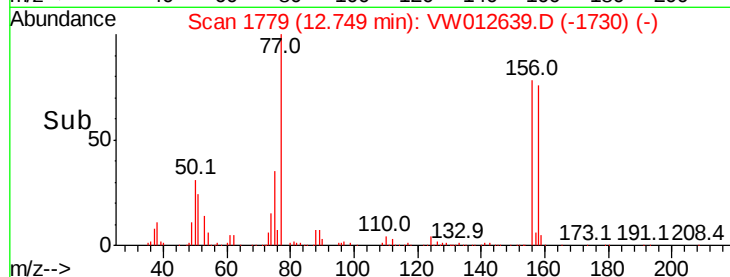
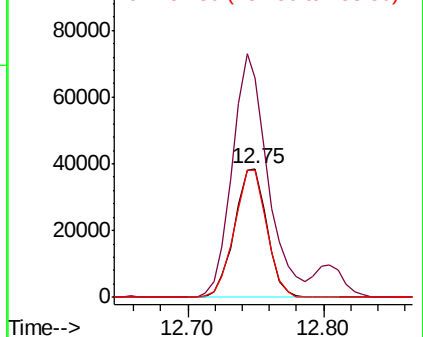
158 98.8 49.0 147.0



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: 23.405 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012639.D

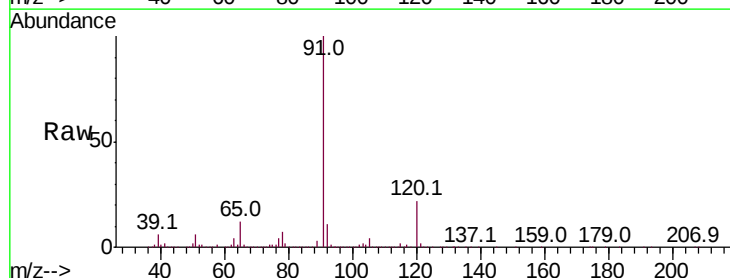
Acq: 05 Sep 2019 14:36

Tgt Ion: 91 Resp: 352584

Ion Ratio Lower Upper

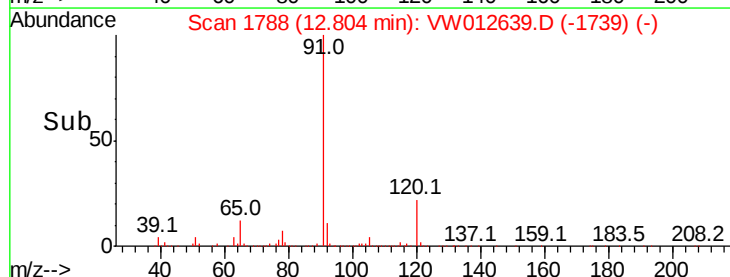
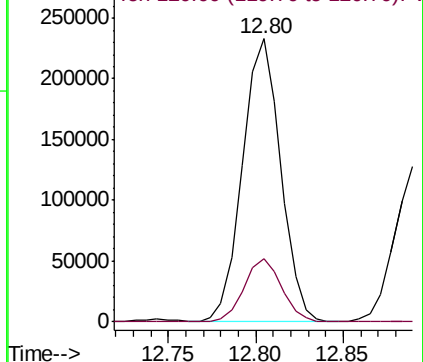
91 100

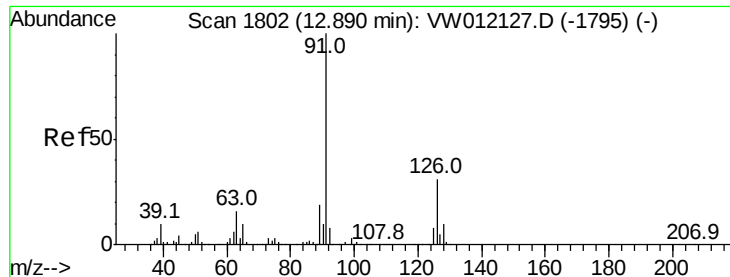
120 22.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.452 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

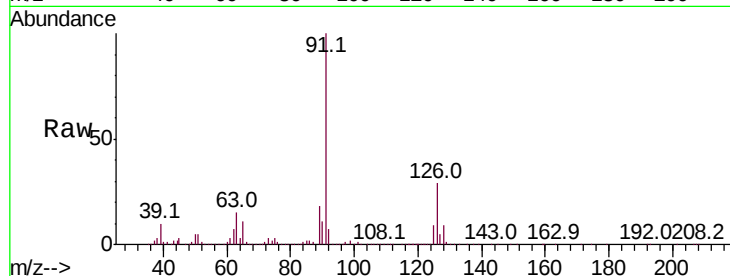
ClientSampled :

Tot Ion: 91 Resp: 200574

Ion Ratio Lower Upper

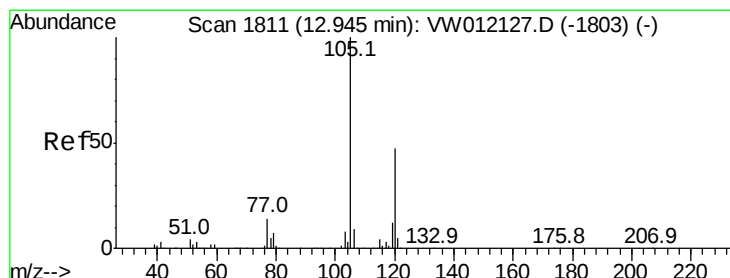
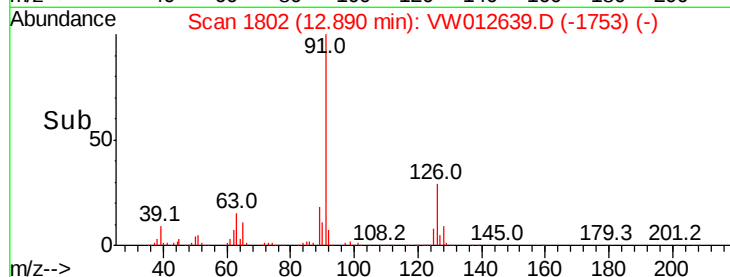
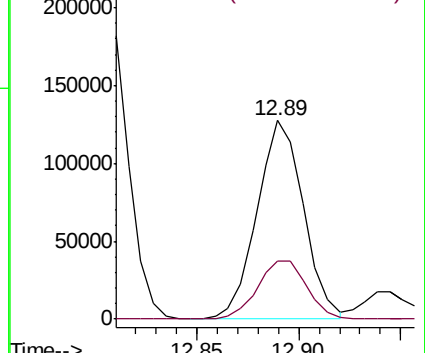
91 100

126 31.6 15.7 47.0



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: 23.874 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012639.D

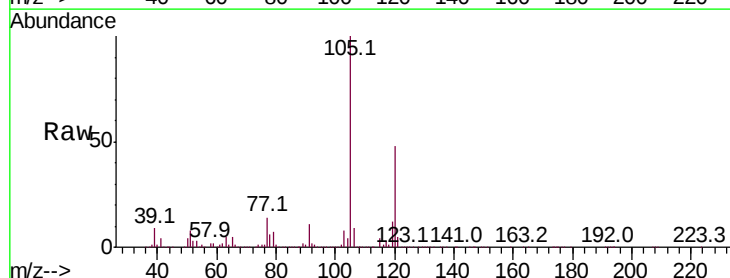
Acq: 05 Sep 2019 14:36

Tgt Ion:105 Resp: 246169

Ion Ratio Lower Upper

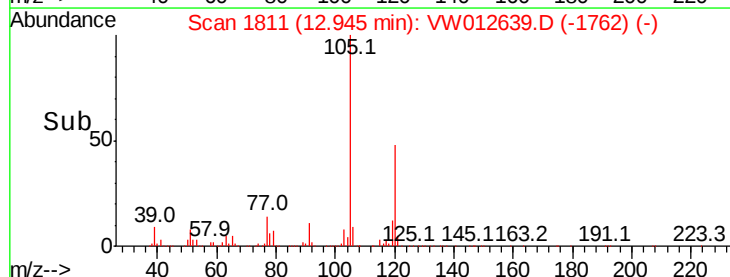
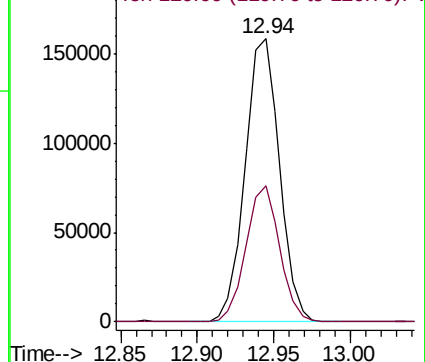
105 100

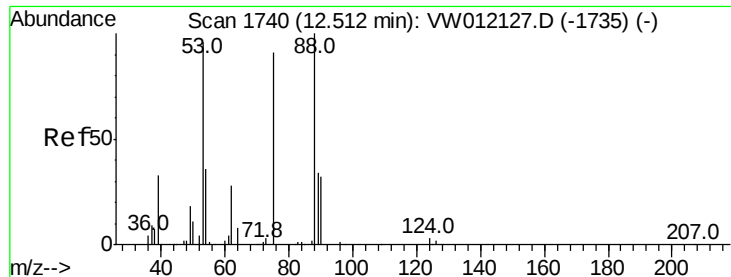
120 47.2 24.0 72.0



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: 23.062 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampled :

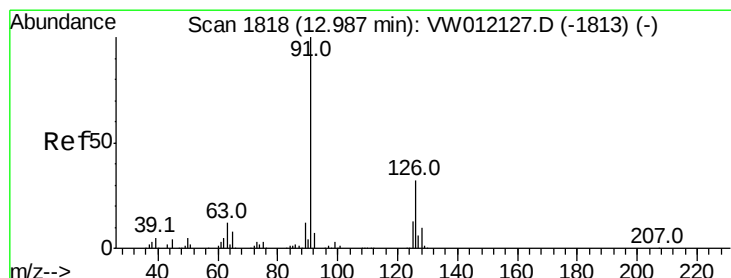
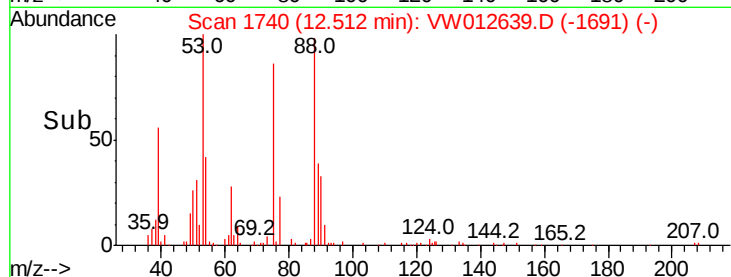
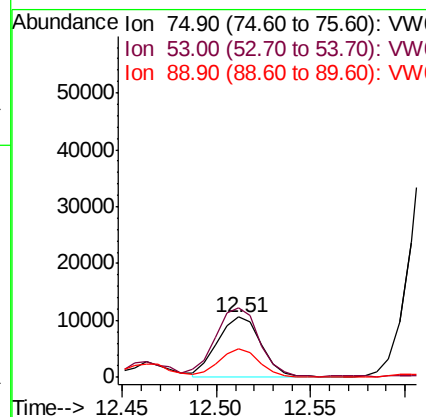
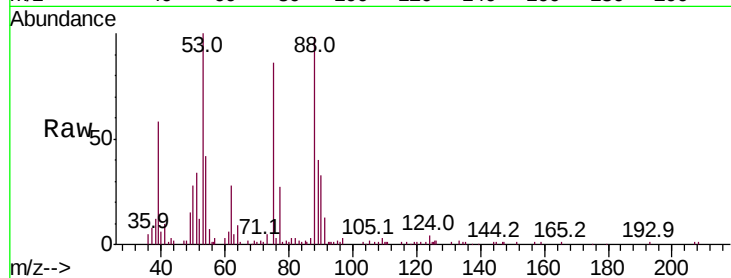
Tot Ion: 75 Resp: 16870

Ion Ratio Lower Upper

75 100

53 116.7 89.4 134.0

89 45.3 34.5 51.7



#82

4-Chlorotoluene

Concen: 23.579 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012639.D

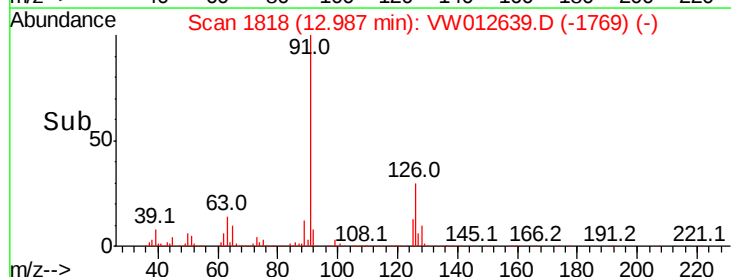
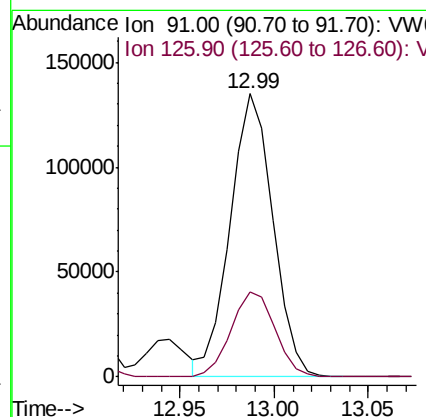
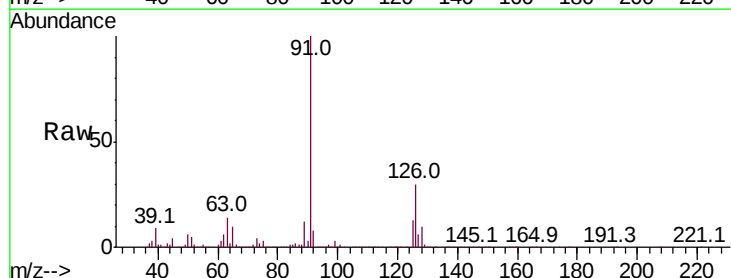
Acq: 05 Sep 2019 14:36

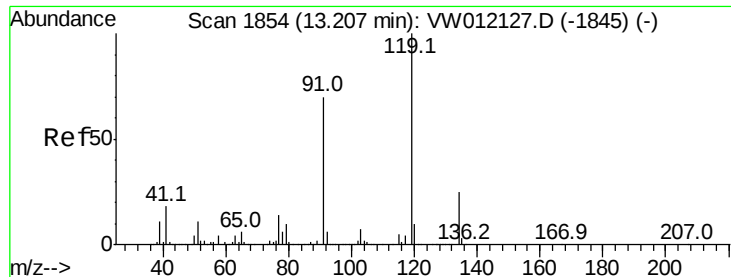
Tgt Ion: 91 Resp: 211158

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8

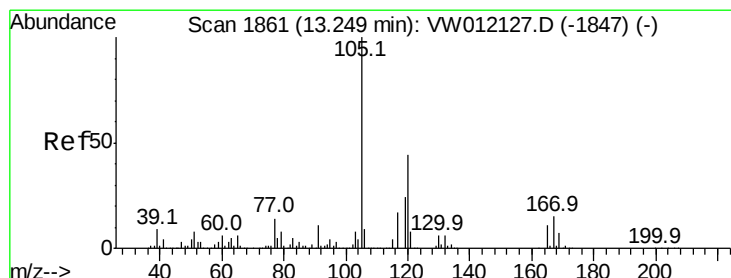
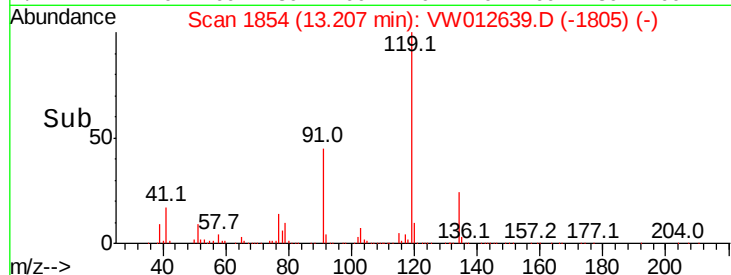
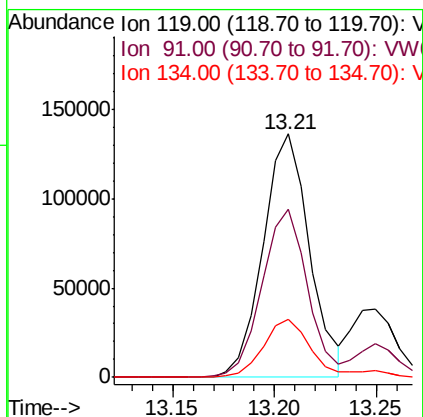
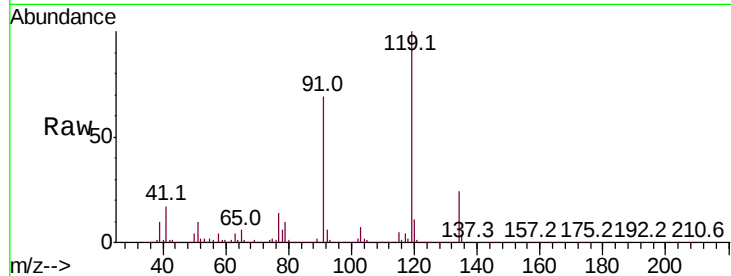




#83
tert-Butylbenzene
Concen: 24.780 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

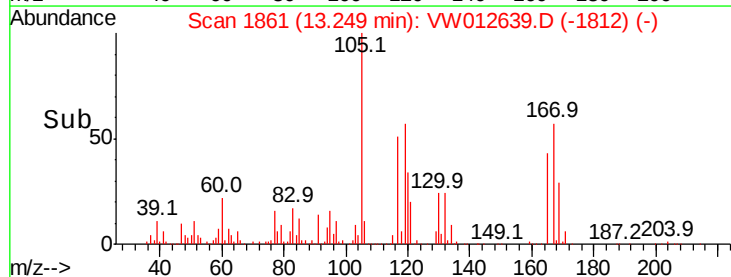
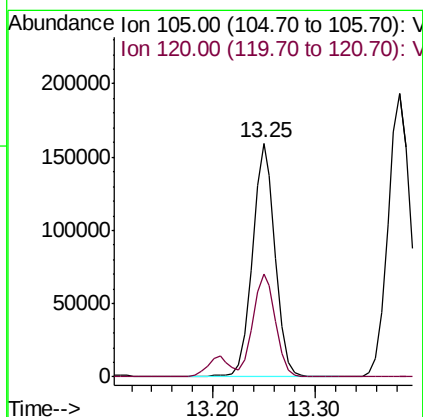
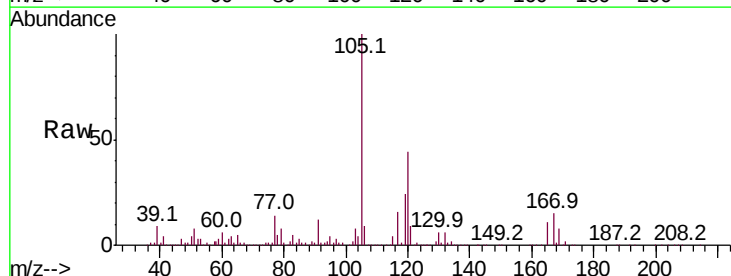
Instrument :
MSVOA_W
ClientSampleId :

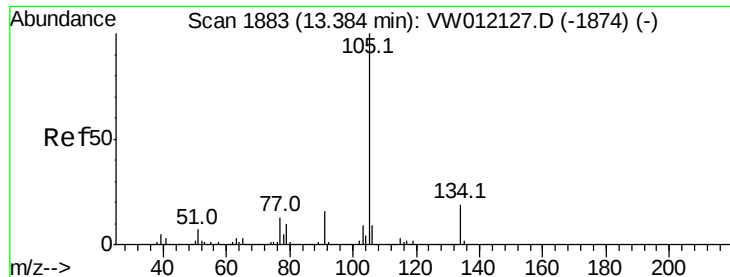
Tot Ion:119 Resp: 216439
Ion Ratio Lower Upper
119 100
91 67.6 34.8 104.3
134 24.0 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 23.715 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion:105 Resp: 245633
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.7





#85

sec-Butylbenzene

Concen: 23.783 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

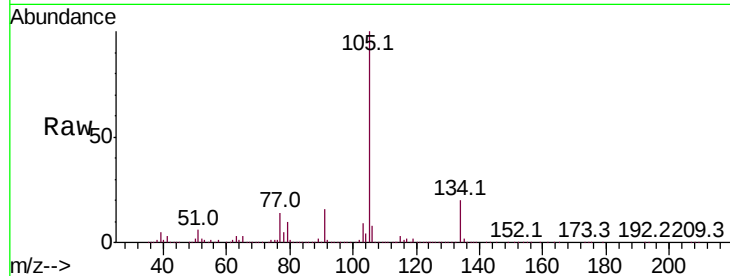
ClientSampleId :

Tot Ion:105 Resp: 297609

Ion Ratio Lower Upper

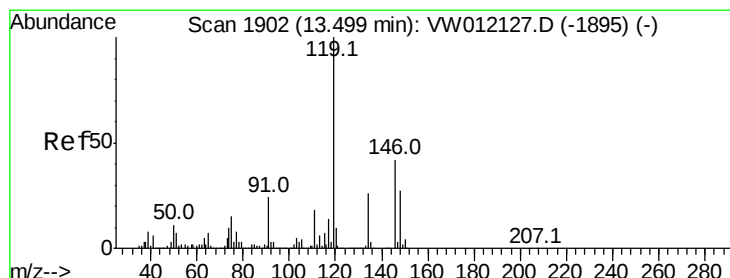
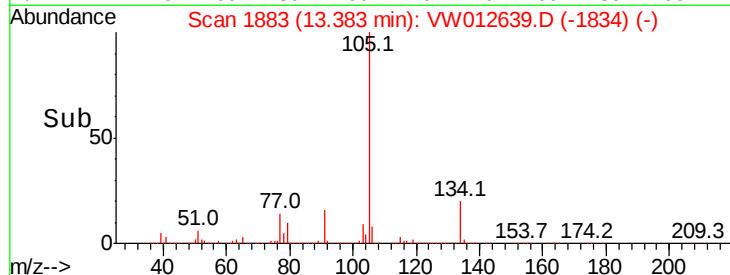
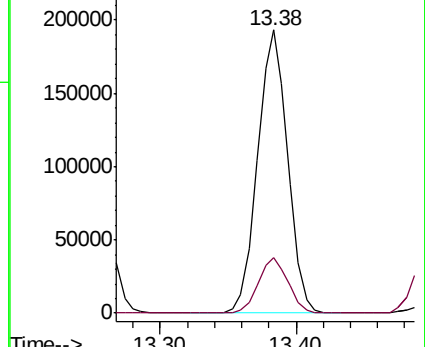
105 100

134 19.6 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.336 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

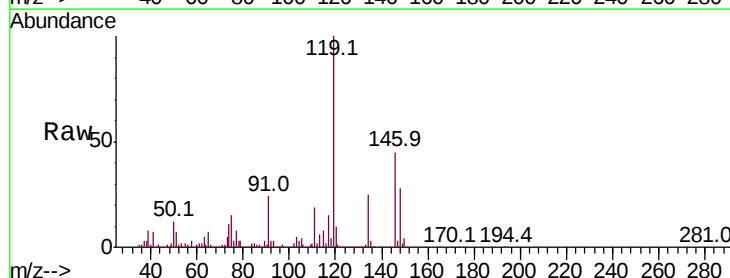
Tgt Ion:119 Resp: 271959

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.3

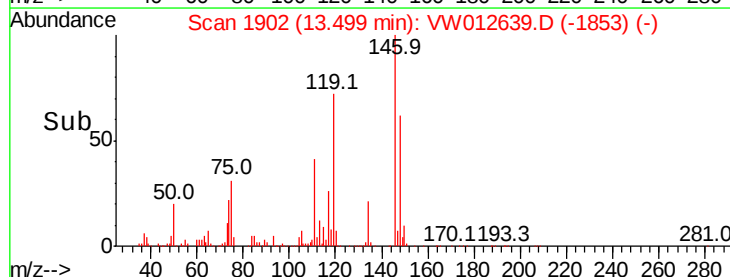
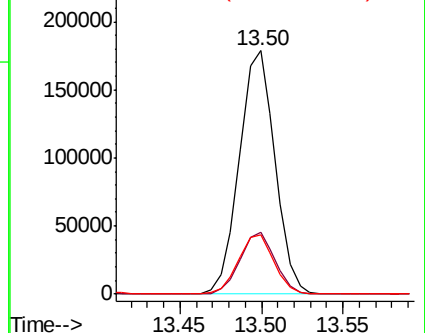
91 24.1 12.3 36.9

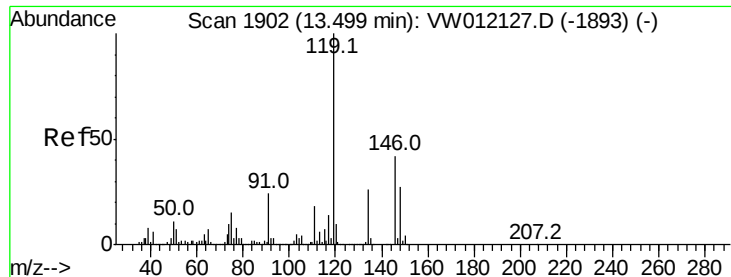


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 24.133 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

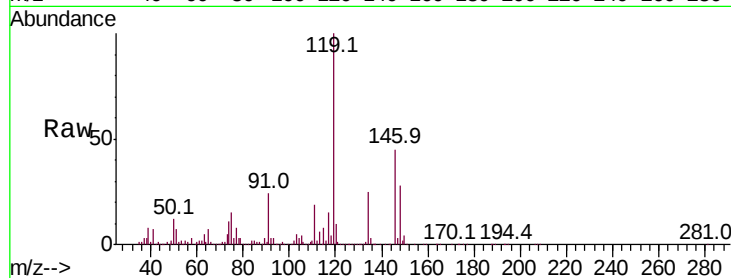
Tot Ion:146 Resp: 126011

Ion Ratio Lower Upper

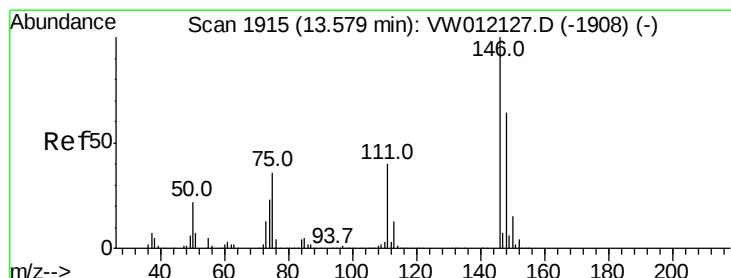
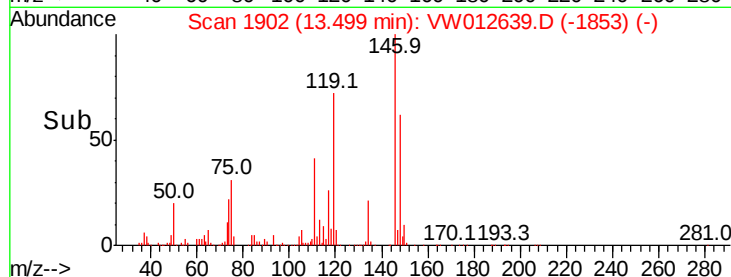
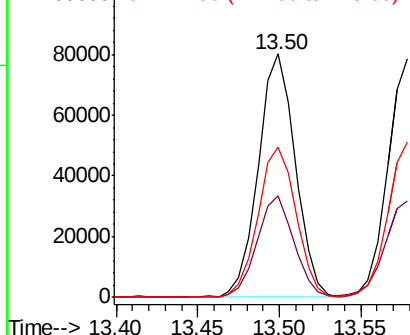
146 100

111 41.4 20.9 62.7

148 63.6 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 24.222 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

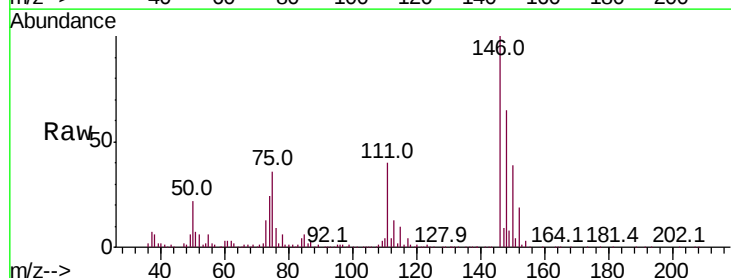
Tgt Ion:146 Resp: 125583

Ion Ratio Lower Upper

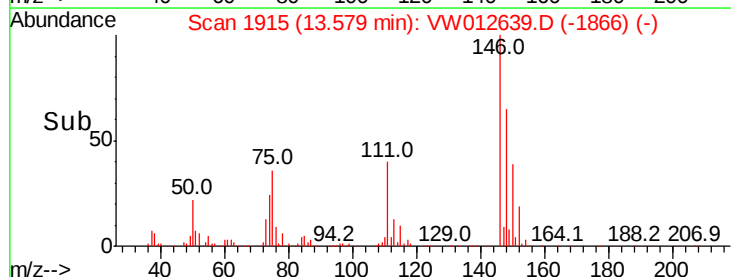
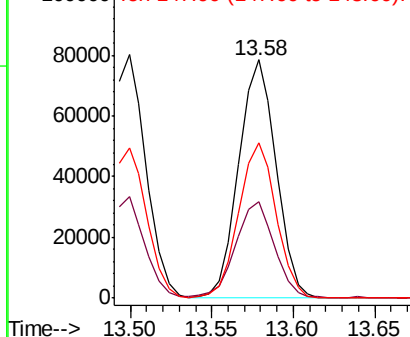
146 100

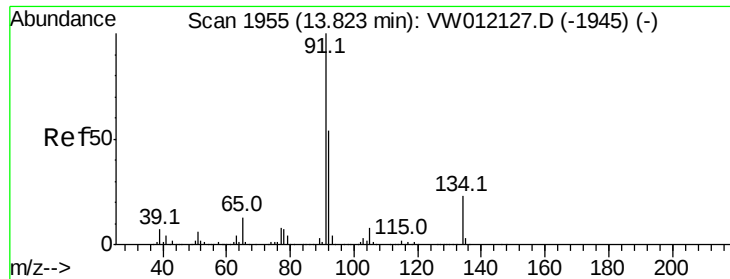
111 41.1 20.0 60.0

148 65.3 32.1 96.3



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





#89

n-Butylbenzene

Concen: 23.840 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampleId :

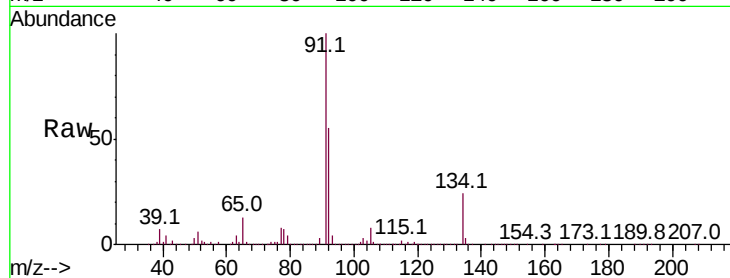
Tot Ion: 91 Resp: 264931

Ion Ratio Lower Upper

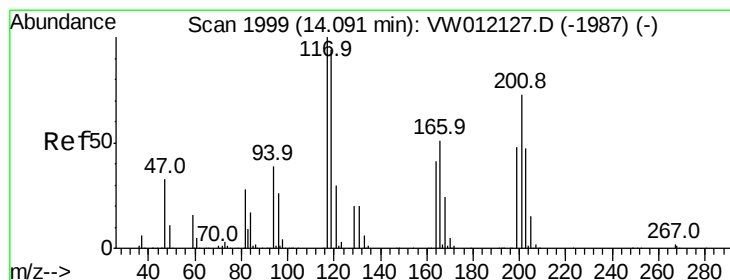
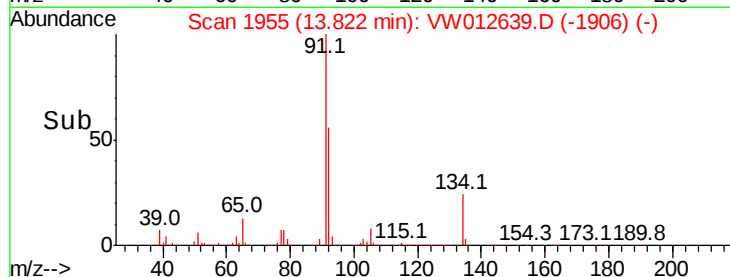
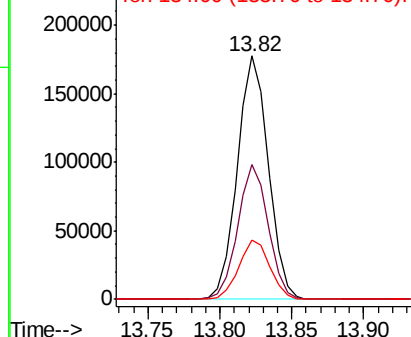
91 100

92 54.5 27.1 81.2

134 24.6 12.2 36.4



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



#90

Hexachloroethane

Concen: 23.154 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012639.D

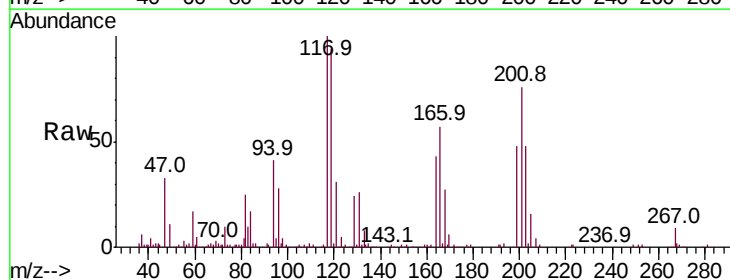
Acq: 05 Sep 2019 14:36

Tgt Ion: 117 Resp: 45398

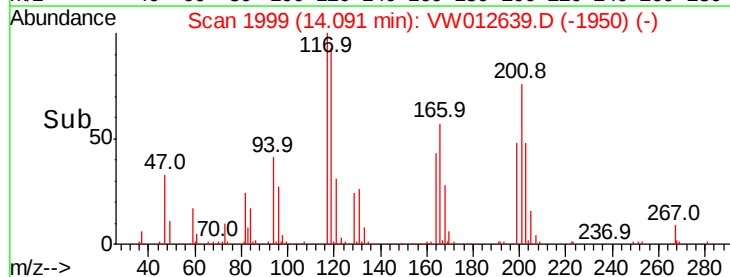
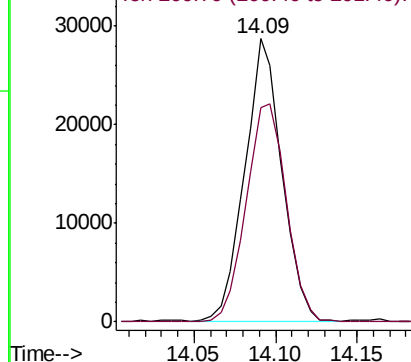
Ion Ratio Lower Upper

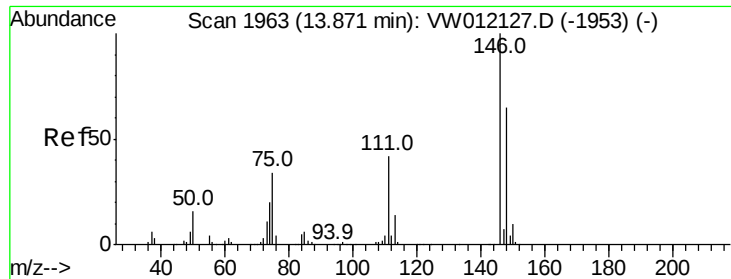
117 100

201 83.5 38.6 115.7



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





#91

1,2-Dichlorobenzene

Concen: 24.563 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

Instrument :

MSVOA_W

ClientSampled :

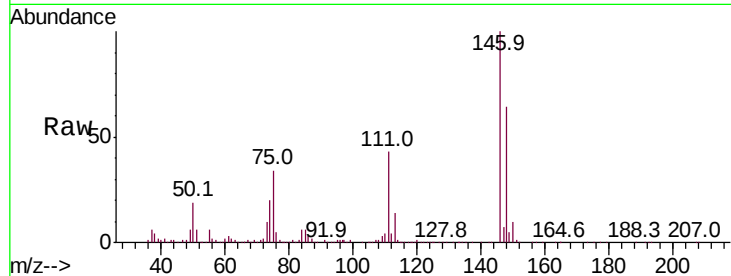
Tot Ion:146 Resp: 112517

Ion Ratio Lower Upper

146 100

111 43.6 21.2 63.6

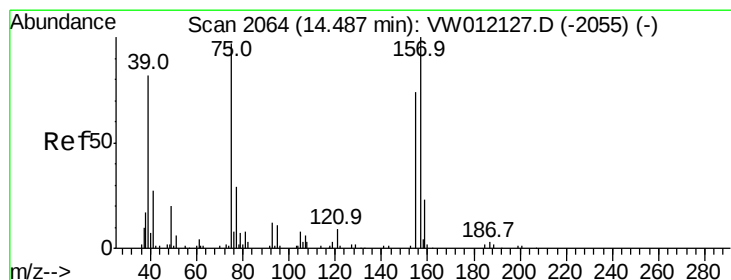
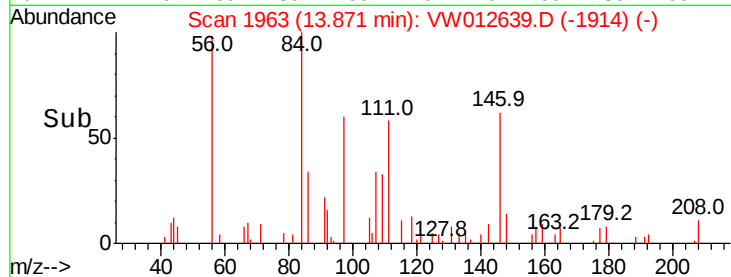
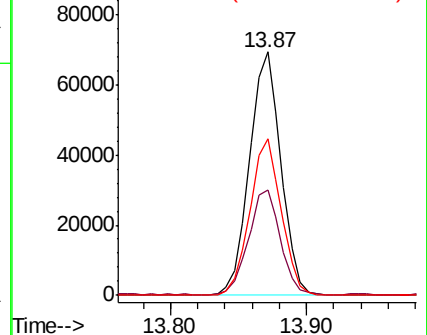
148 63.9 32.5 97.4



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: 23.853 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012639.D

Acq: 05 Sep 2019 14:36

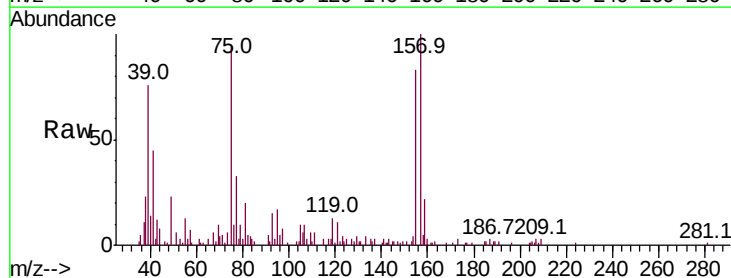
Tgt Ion: 75 Resp: 9097

Ion Ratio Lower Upper

75 100

155 79.5 37.5 112.3

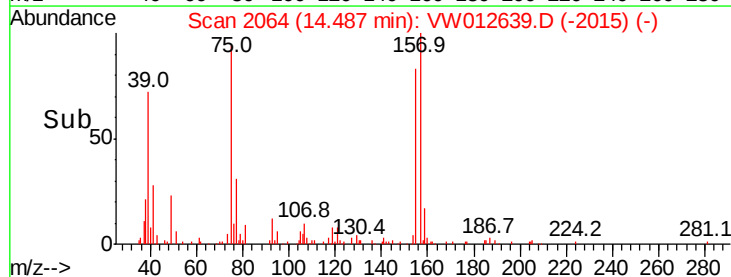
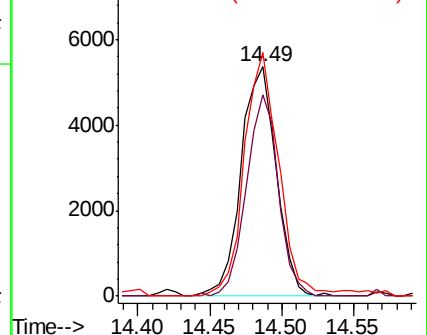
157 104.9 50.5 151.5

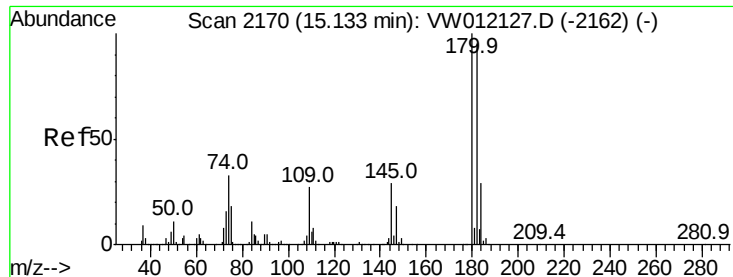


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

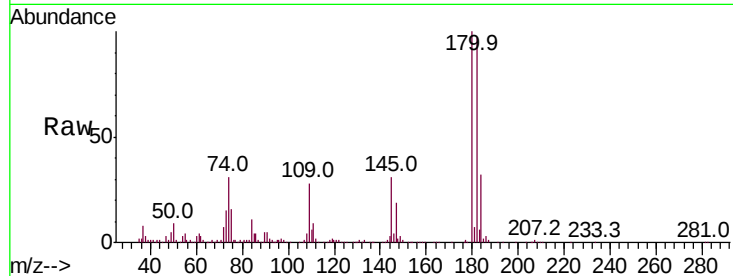




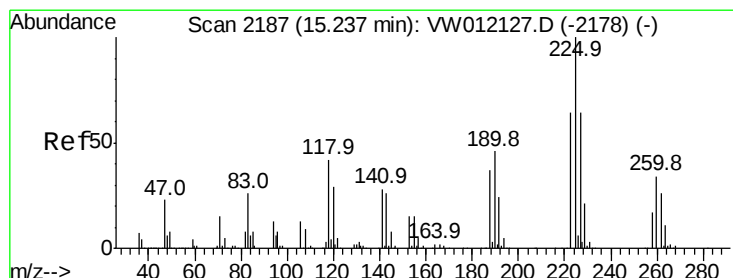
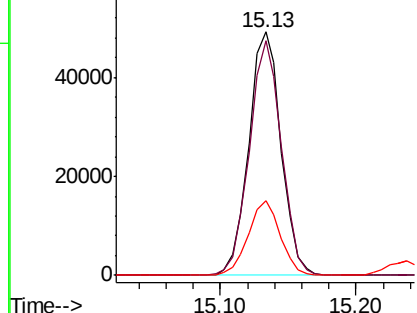
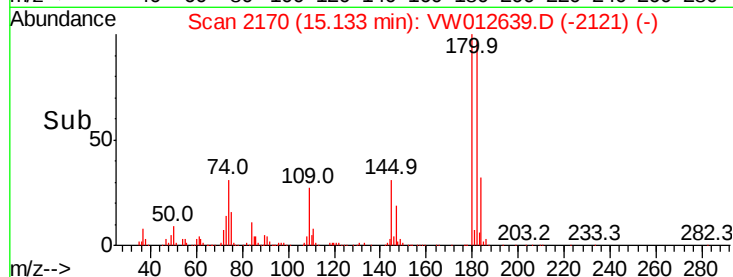
#93
 1,2,4-Trichlorobenzene
 Concen: 25.853 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.4
145	30.2	15.0	45.1

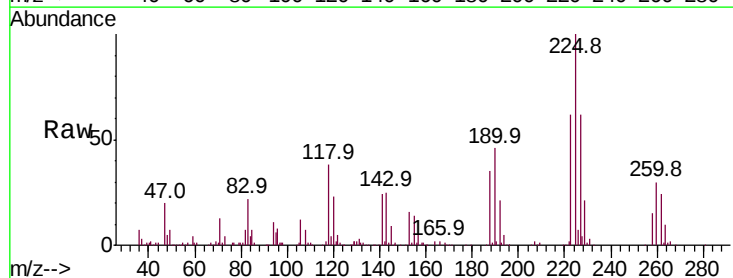


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

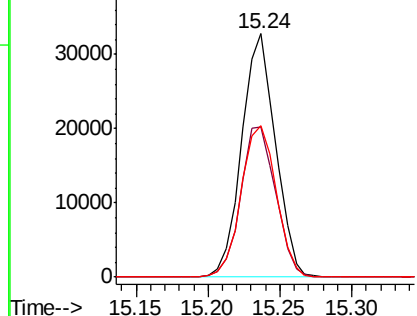
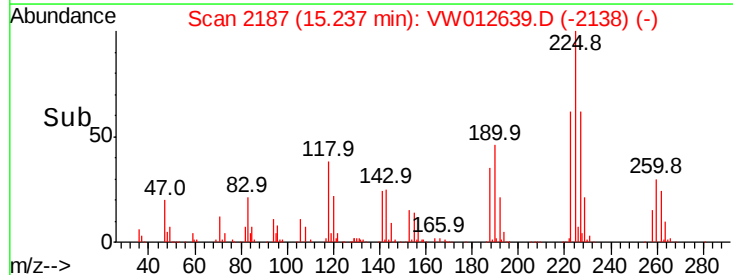


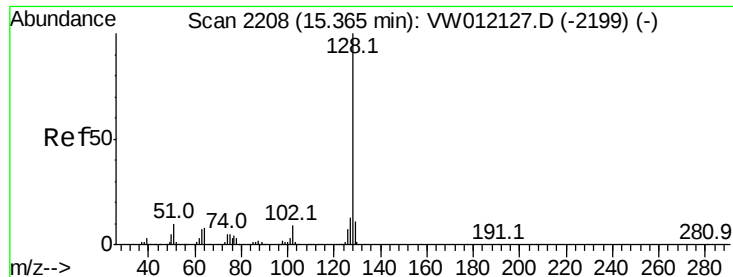
#94
 Hexachlorobutadiene
 Concen: 25.468 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012639.D
 Acq: 05 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	32.3	96.8
227	64.7	32.9	98.6



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

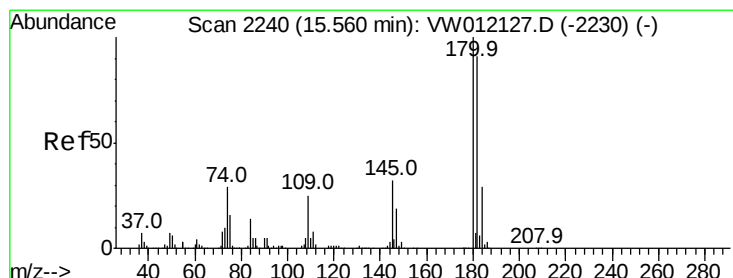
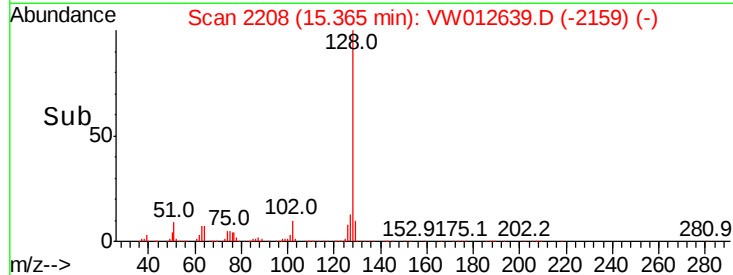
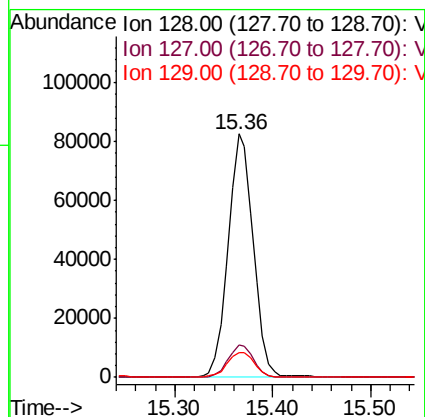
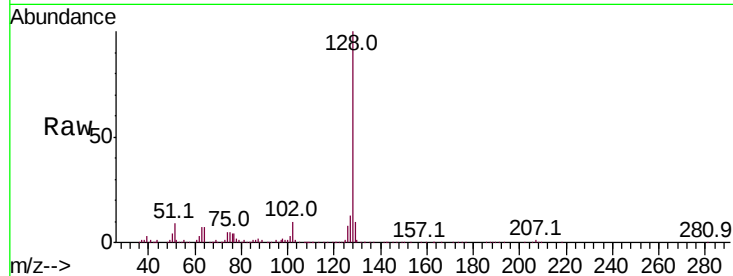




#95
Naphthalene
Concen: 25.839 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 146308
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 25.829 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012639.D
Acq: 05 Sep 2019 14:36

Tgt Ion:180 Resp: 71335
Ion Ratio Lower Upper
180 100
182 97.0 47.1 141.3
145 33.3 16.2 48.5

