

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020321\
 Data File : VL036299.D
 Acq On : 3 Feb 2021 18:35
 Operator : SY/AP
 Sample : M1295-03 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 04 01:47:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1609235	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3331996	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.12	117	3080181	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2592844	10.17	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

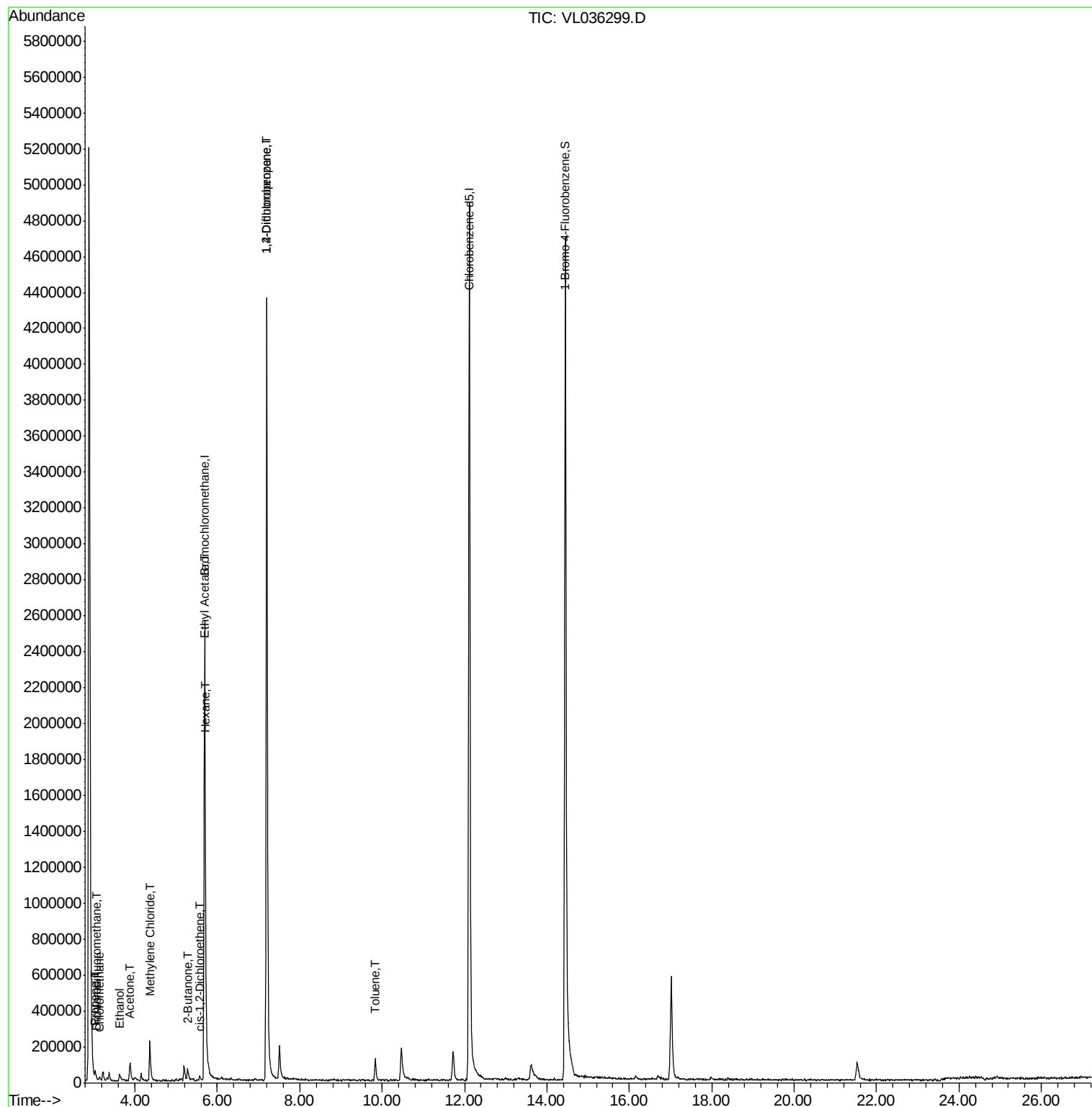
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	8206	0.038	ppbv	91
4) Chloromethane	3.15	50	3727	0.038	ppbv #	81
9) Propene	3.03	41	13838	0.147	ppbv	92
13) Ethanol	3.63	45	17588	1.190	ppbv #	1
15) Acetone	3.87	43	117850	0.598	ppbv #	73
20) Methylene Chloride	4.36	84	34147	0.543	ppbv #	87
25) Ethyl Acetate	5.71	43	28964	0.073	ppbv #	84
26) Hexane	5.71	57	48901	0.297	ppbv #	43
31) cis-1,2-Dichloroethene	5.57	61	8872	0.056	ppbv #	91
34) 2-Butanone	5.28	43	89543	0.365	ppbv #	89
39) 1,2-Dichloropropane	7.20	63	1011192	8.158	ppbv #	21
53) Toluene	9.84	91	61824	0.181	ppbv #	53

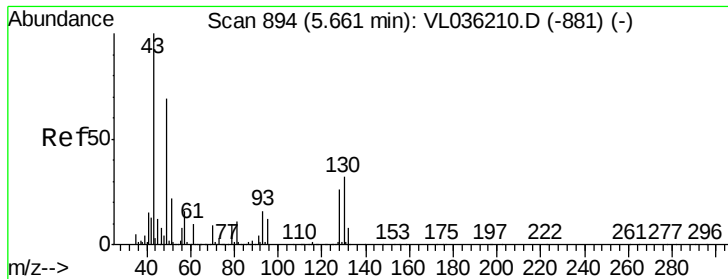
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.03 min

Lab File: VL036299.D

Acq: 3 Feb 2021 18:35

Instrument :
MSVOA_L
ClientSampleId :

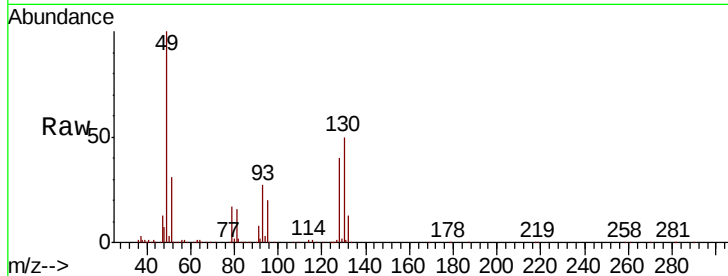
Tot Ion: 49 Resp: 1609235

Ion Ratio Lower Upper

49 100

128 41.2 20.1 60.2

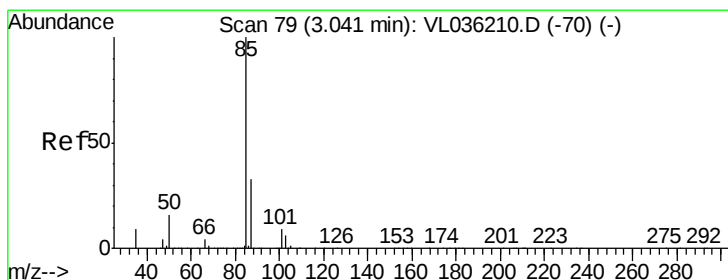
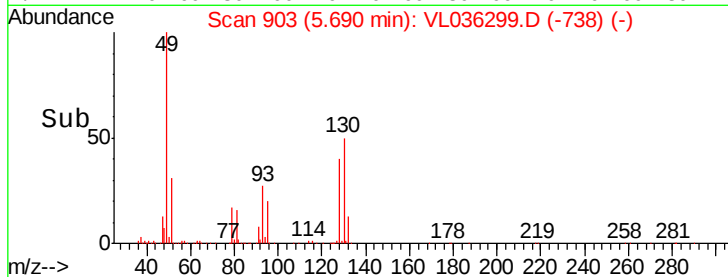
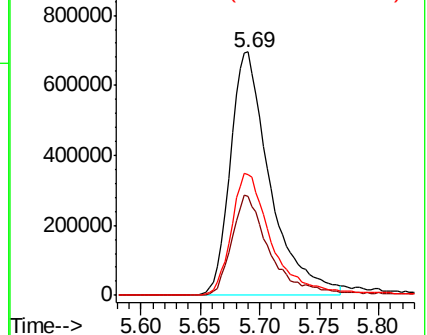
130 51.6 25.3 75.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.038 ppbv

RT: 3.07 min Scan# 87

Delta R.T. 0.03 min

Lab File: VL036299.D

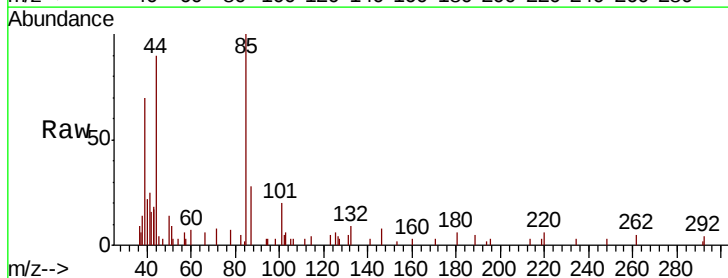
Acq: 3 Feb 2021 18:35

Tgt Ion: 85 Resp: 8206

Ion Ratio Lower Upper

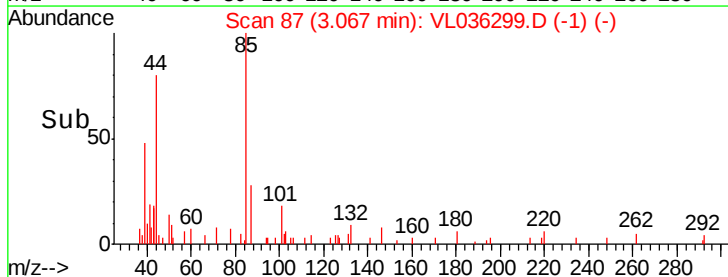
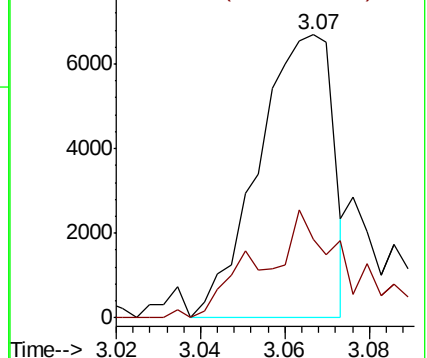
85 100

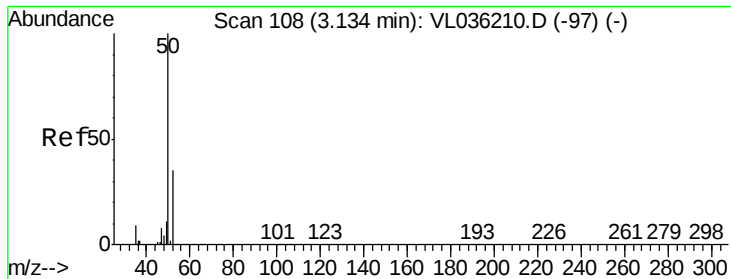
87 27.7 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.038 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL036299.D

Acq: 3 Feb 2021 18:35

Instrument :

MSVOA_L

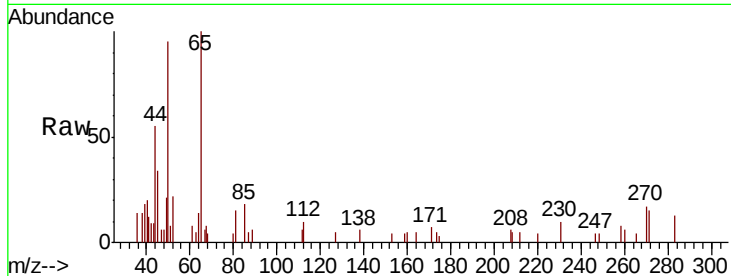
ClientSampled :

Tot Ion: 50 Resp: 3727

Ion Ratio Lower Upper

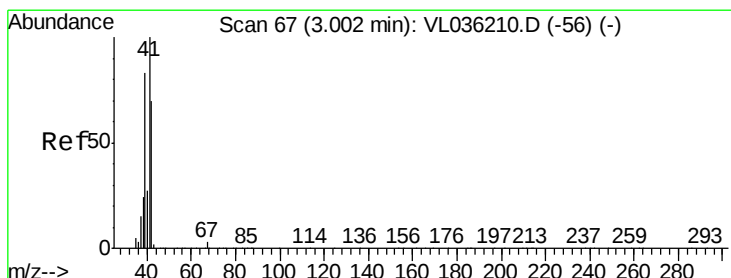
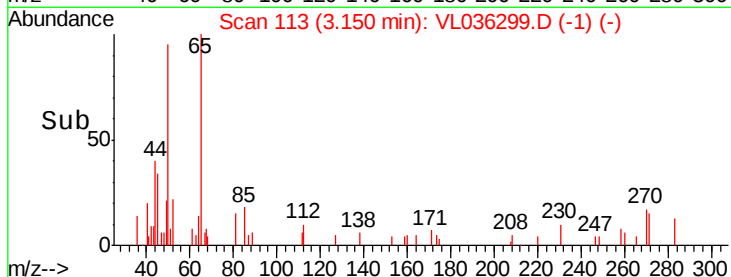
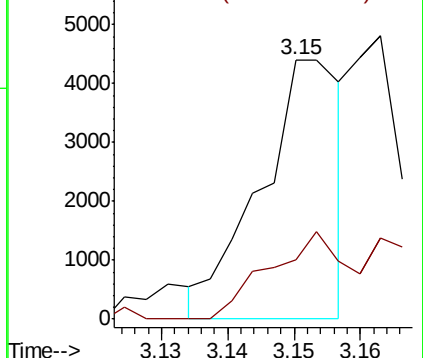
50 100

52 23.9 27.8 41.8#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.147 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL036299.D

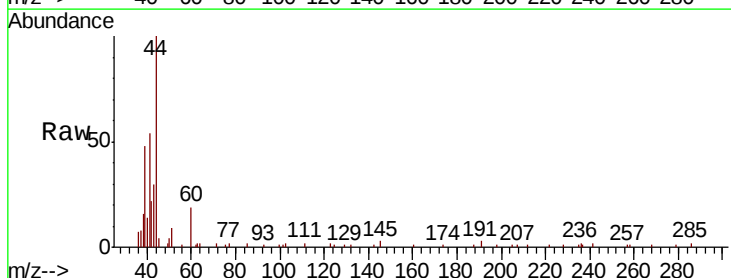
Acq: 3 Feb 2021 18:35

Tgt Ion: 41 Resp: 13838

Ion Ratio Lower Upper

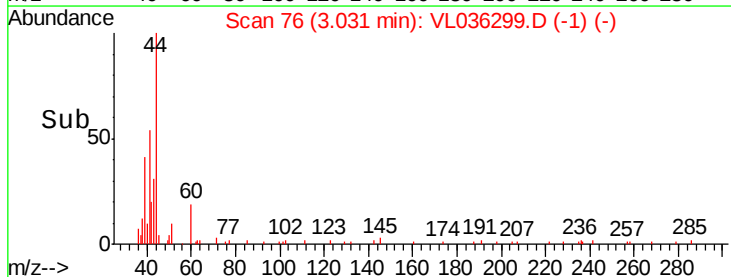
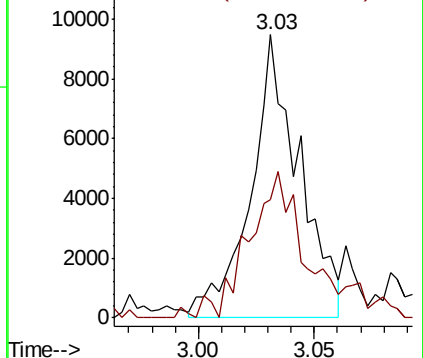
41 100

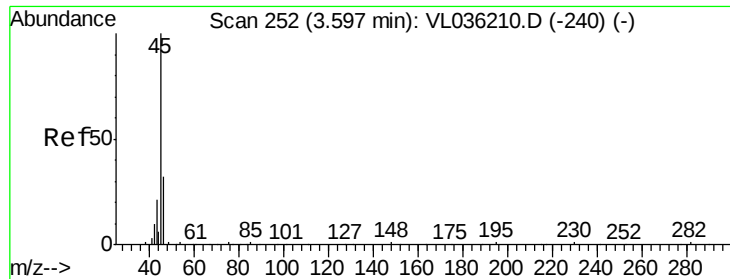
42 65.2 57.1 85.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 1.190 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.03 min

Lab File: VL036299.D

Acq: 3 Feb 2021 18:35

Instrument :

MSVOA_L

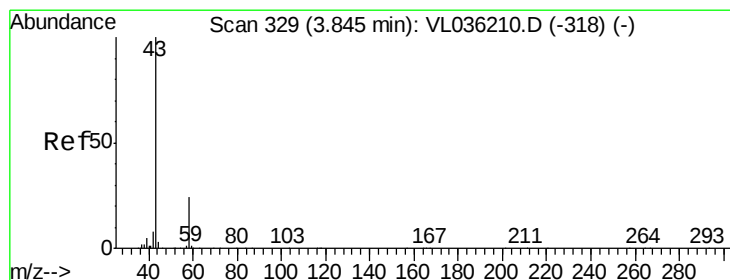
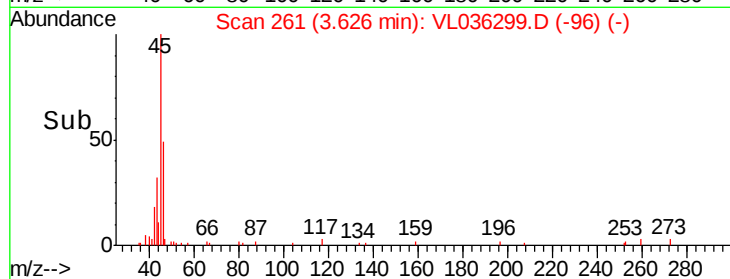
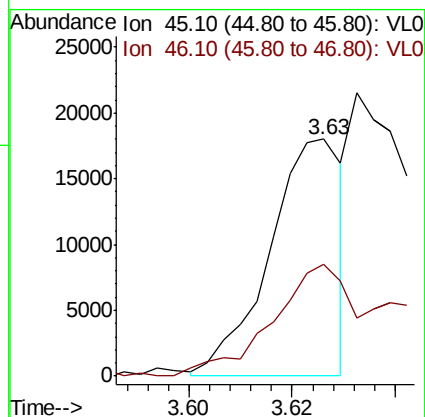
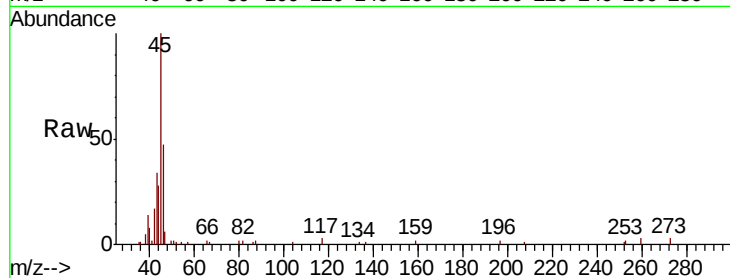
ClientSampleId :

Tot Ion: 45 Resp: 17588

Ion Ratio Lower Upper

45 100

46 146.4 19.2 77.0#



#15

Acetone

Concen: 0.598 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.03 min

Lab File: VL036299.D

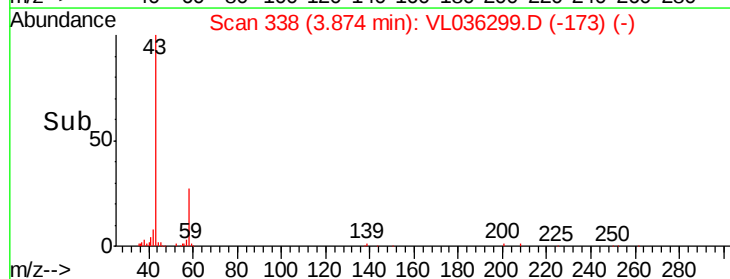
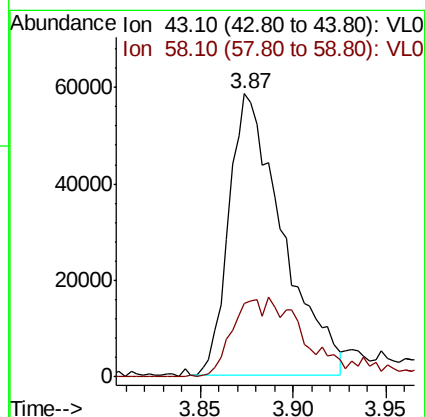
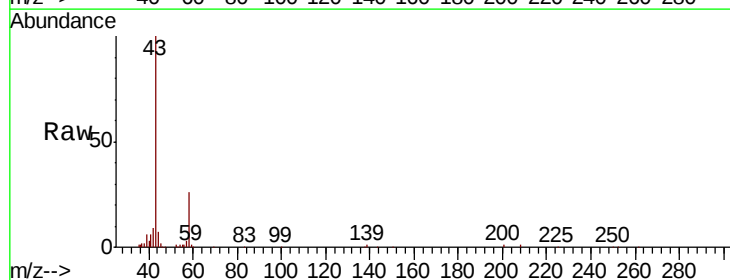
Acq: 3 Feb 2021 18:35

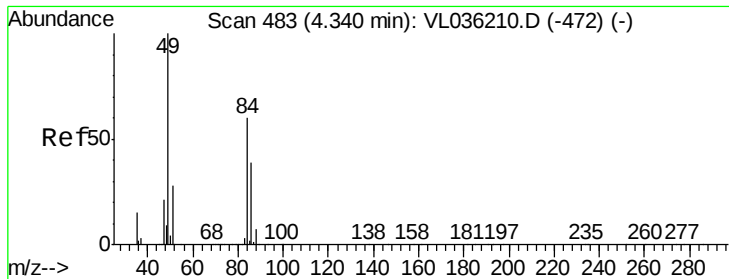
Tgt Ion: 43 Resp: 117850

Ion Ratio Lower Upper

43 100

58 40.0 20.9 31.3#

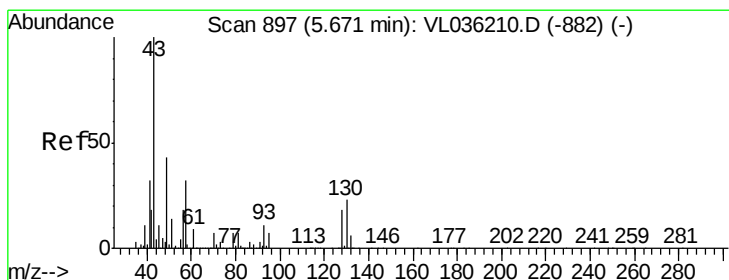
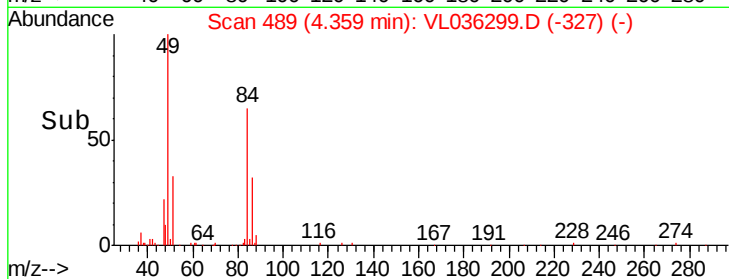
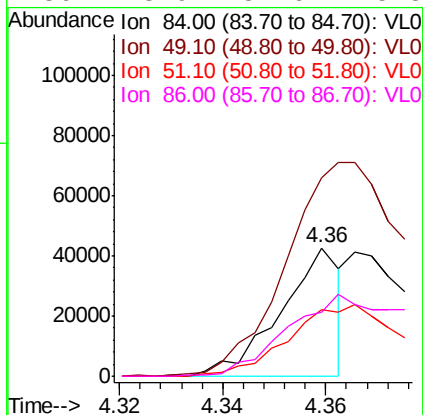
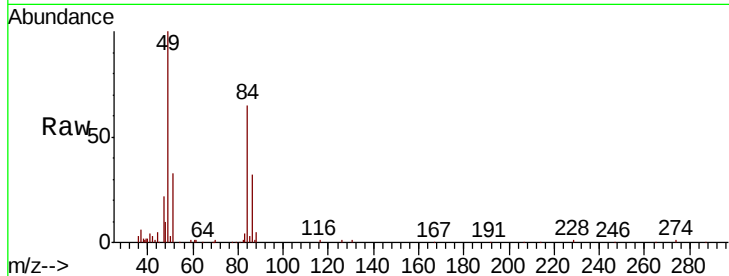




#20
Methvlene Chloride
Concen: 0.543 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.02 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

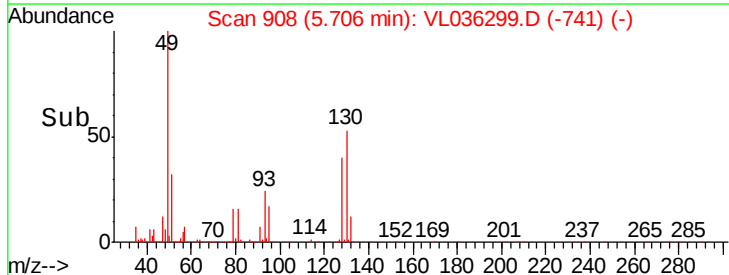
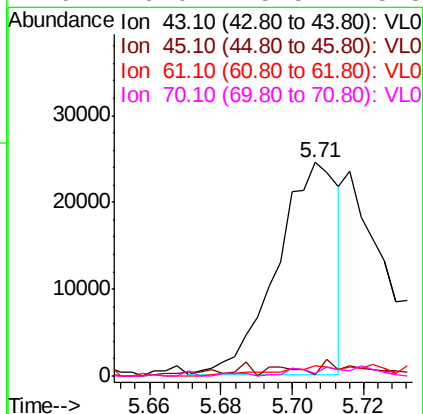
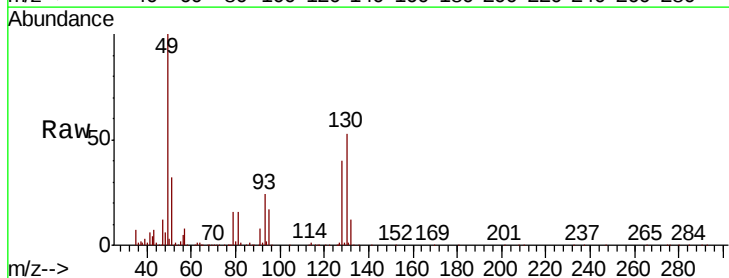
Instrument :
MSVOA_L
ClientSampled :

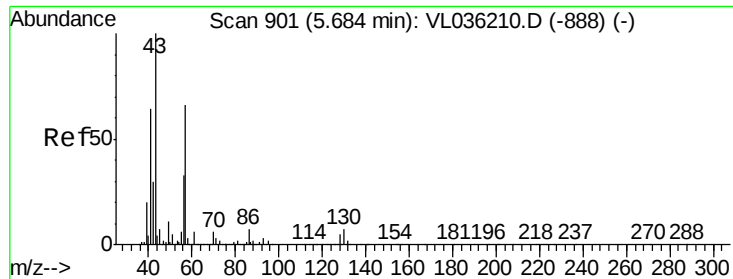
Tot Ion:	84	Resp:	34147
Ion	Ratio	Lower	Upper
84	100		
49	152.3	134.1	201.1
51	50.7	37.4	56.0
86	48.9	52.6	78.8#



#25
Ethyl Acetate
Concen: 0.073 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.04 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

Tgt Ion:	43	Resp:	28964
Ion	Ratio	Lower	Upper
43	100		
45	8.5	8.3	12.5
61	0.0	7.4	11.2#
70	0.0	5.5	8.3#

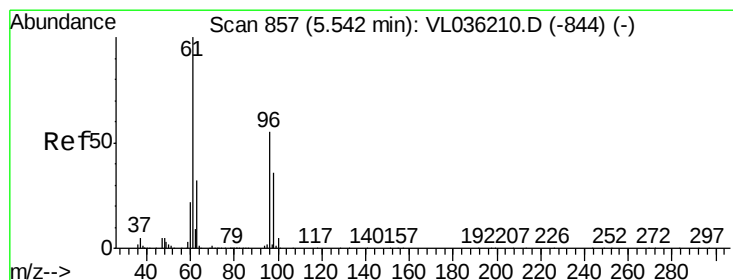
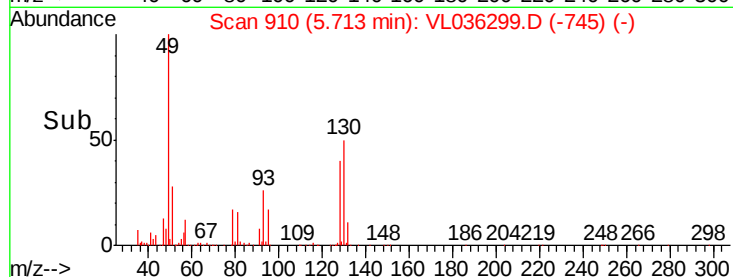
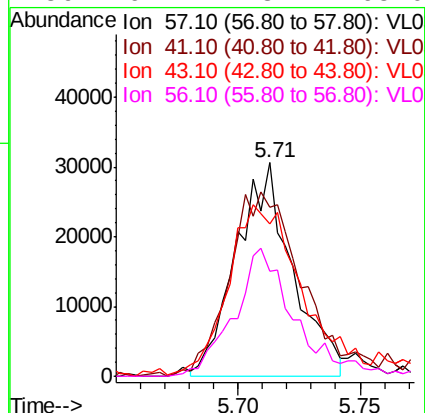
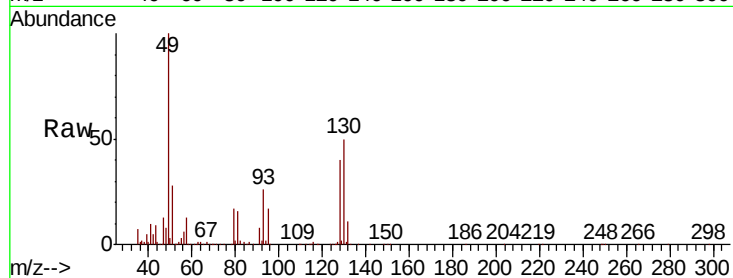




#26
Hexane
Concen: 0.297 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.03 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

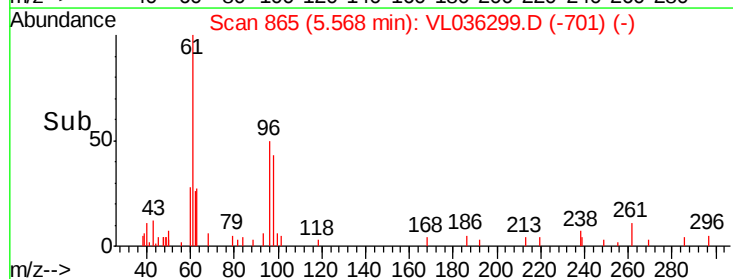
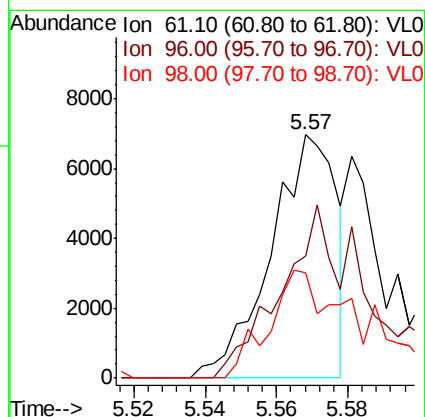
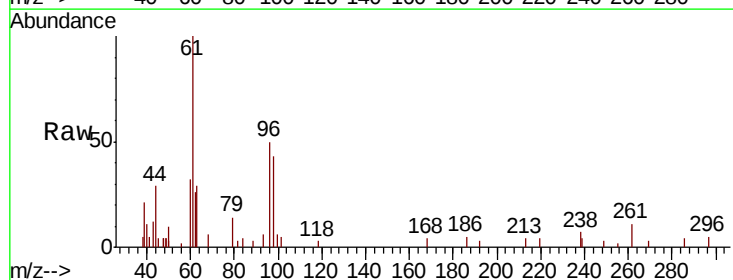
Instrument :
MSVOA_L
ClientSampled :

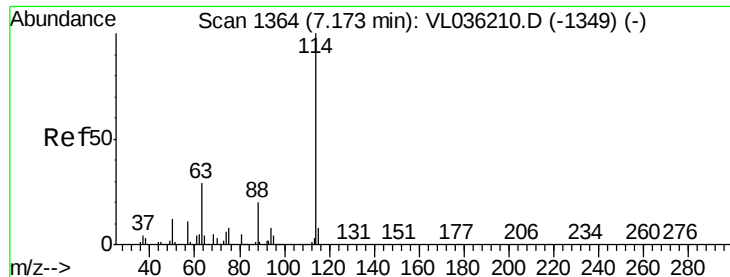
Tot Ion: 57 Resp: 48901
Ion Ratio Lower Upper
57 100
41 118.7 83.0 124.6
43 107.9 202.4 303.6#
56 67.2 43.4 65.0#



#31
cis-1,2-Dichloroethene
Concen: 0.056 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.03 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

Tgt Ion: 61 Resp: 8872
Ion Ratio Lower Upper
61 100
96 50.3 44.1 66.1
98 43.2 28.6 42.8#

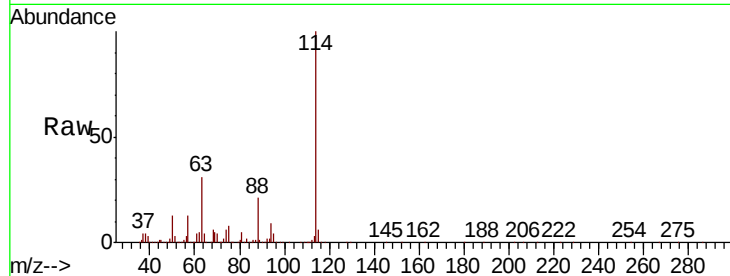




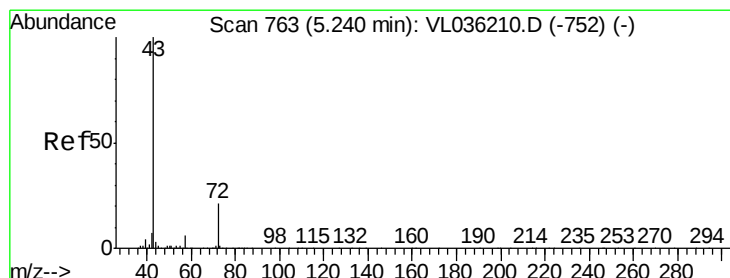
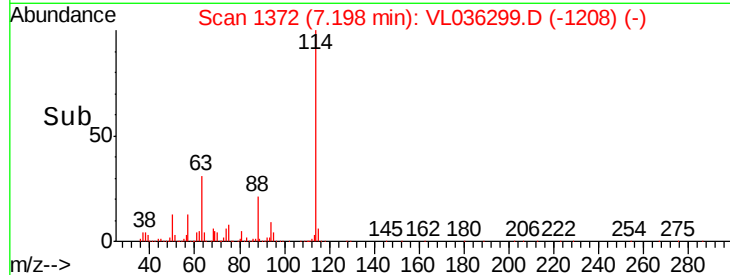
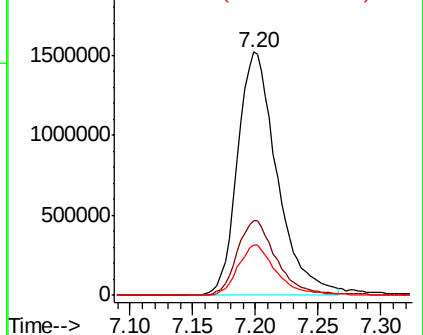
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.03 min
 Lab File: VL036299.D
 Acq: 3 Feb 2021 18:35

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3331996
 Ion Ratio Lower Upper
 114 100
 63 31.3 24.7 37.1
 88 20.5 16.6 24.8

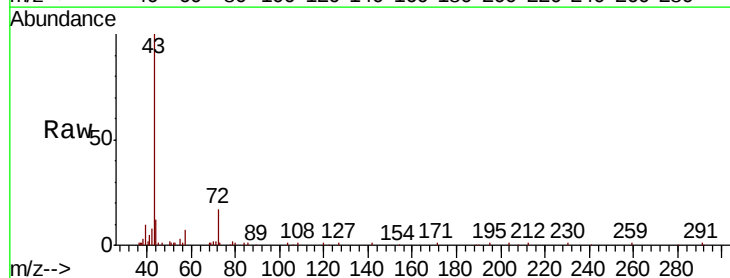


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

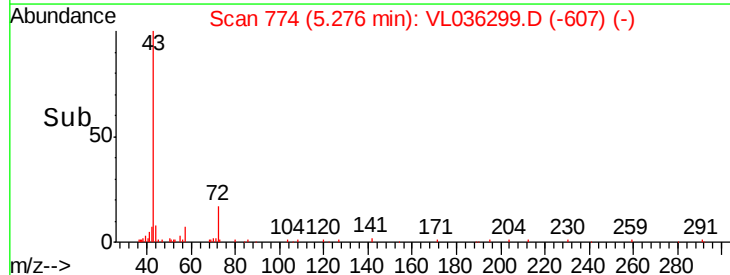
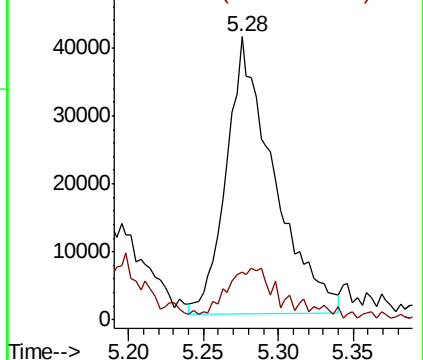


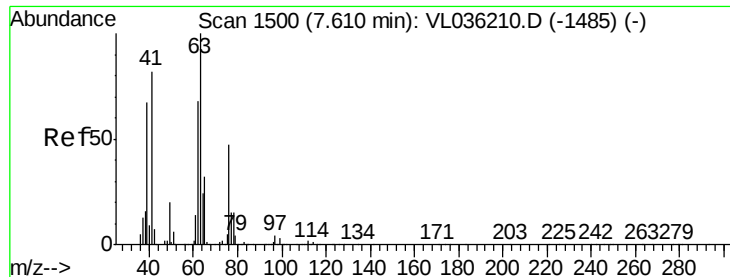
#34
 2-Butanone
 Concen: 0.365 ppbv
 RT: 5.28 min Scan# 774
 Delta R.T. 0.04 min
 Lab File: VL036299.D
 Acq: 3 Feb 2021 18:35

Tgt Ion: 43 Resp: 89543
 Ion Ratio Lower Upper
 43 100
 72 25.0 16.1 24.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

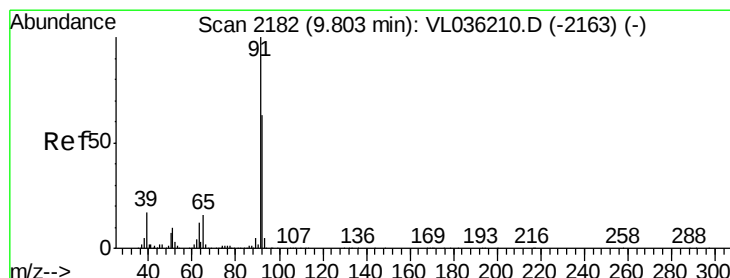
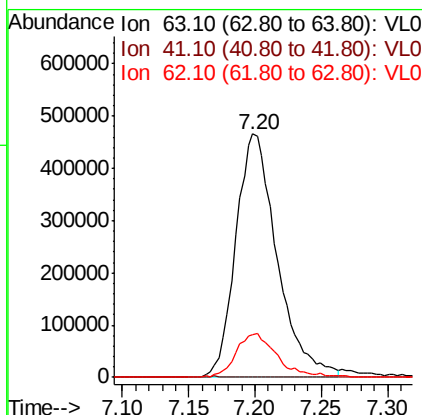
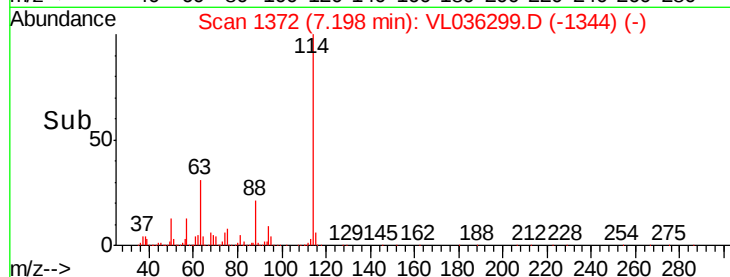
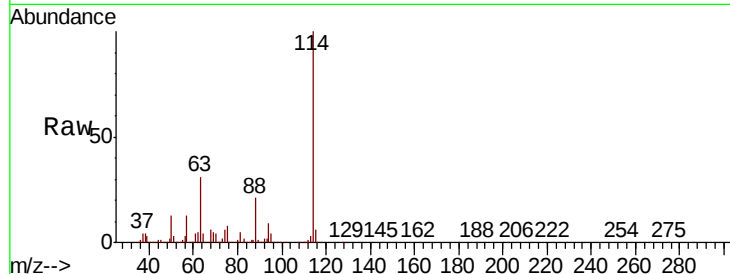




#39
 1,2-Dichloropropane
 Concen: 8.158 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.41 min
 Lab File: VL036299.D
 Acq: 3 Feb 2021 18:35

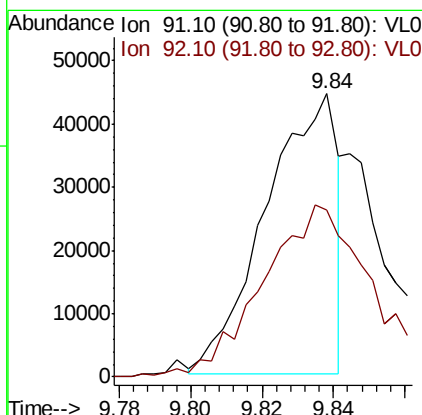
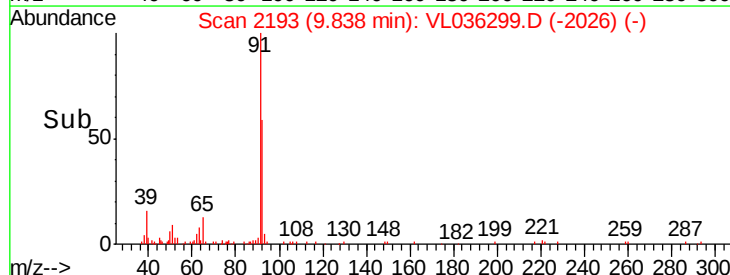
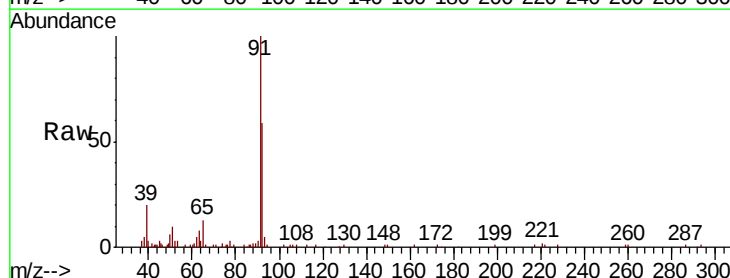
Instrument :
 MSVOA_L
 ClientSampled :

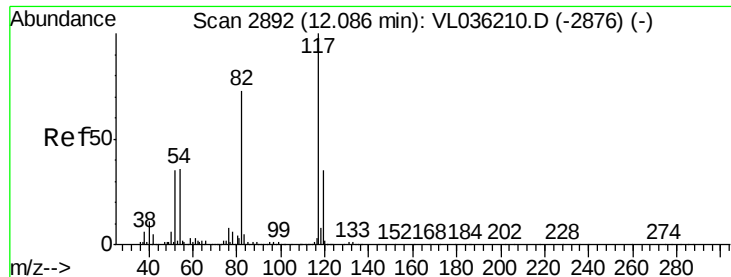
Tot Ion: 63 Resp: 1011192
 Ion Ratio Lower Upper
 63 100
 41 0.0 66.1 99.1#
 62 17.7 54.8 82.2#



#53
 Toluene
 Concen: 0.181 ppbv
 RT: 9.84 min Scan# 2193
 Delta R.T. 0.04 min
 Lab File: VL036299.D
 Acq: 3 Feb 2021 18:35

Tgt Ion: 91 Resp: 61824
 Ion Ratio Lower Upper
 91 100
 92 96.4 48.5 72.7#

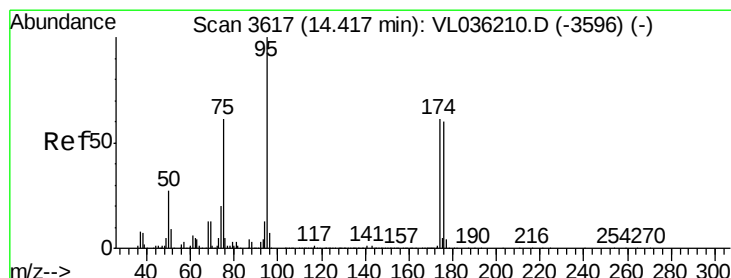
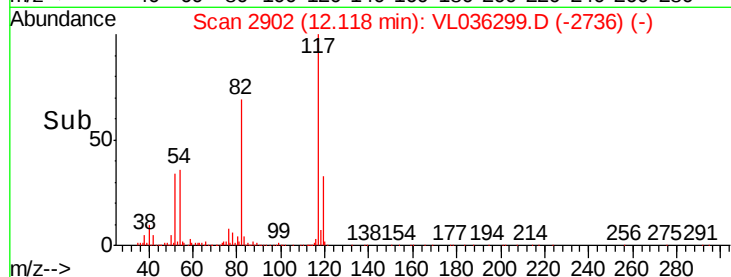
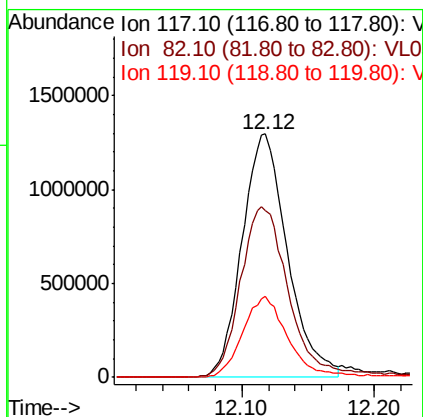
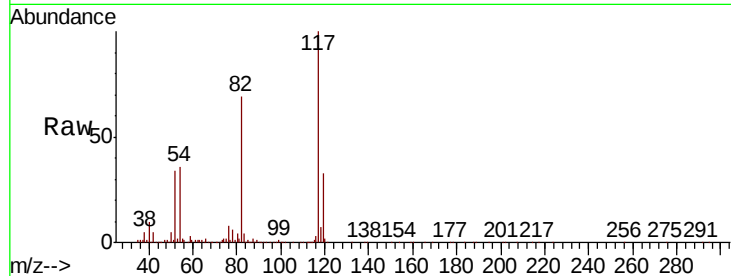




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.03 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3080181
Ion Ratio Lower Upper
117 100
82 76.0 59.7 89.5
119 34.4 28.6 43.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.170 ppbv
RT: 14.45 min Scan# 3627
Delta R.T. 0.03 min
Lab File: VL036299.D
Acq: 3 Feb 2021 18:35

Tgt Ion: 95 Resp: 2592844
Ion Ratio Lower Upper
95 100
174 64.2 49.4 74.0
175 4.5 3.8 5.8

