

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036015.D
 Acq On : 25 Nov 2020 4:54
 Operator : SY/AP
 Sample : L4883-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 25 07:19:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1316664	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4916782	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4560501	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3445226	10.63	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.87	51	1173439	7.442	ppbv #	55
9) Propene	3.00	41	4007	0.069	ppbv #	72
13) Ethanol	3.60	45	13448	1.074	ppbv #	33
15) Acetone	3.84	43	196646	1.397	ppbv #	87
19) Isopropyl Alcohol	3.97	45	14969	0.173	ppbv #	90
20) Methylene Chloride	4.32	84	55853	0.564	ppbv	98
25) Ethyl Acetate	5.66	43	13981	0.050	ppbv #	73
26) Hexane	5.66	57	12013	0.079	ppbv #	41
34) 2-Butanone	5.24	43	22503	0.141	ppbv	93
39) 1,2-Dichloropropane	7.15	63	993268	8.071	ppbv #	30
70) n-Butylbenzene	18.54	91	23631	0.034	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL036015.D

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Instrument :

MSVOA_L

ClientSampleId :

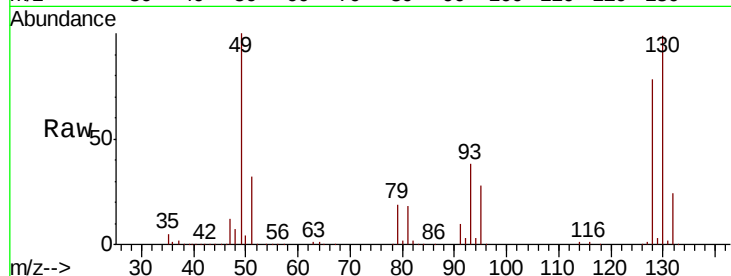
Tot Ion: 49 Resp: 1316664

Ion Ratio Lower Upper

49 100

128 81.5 41.5 124.6

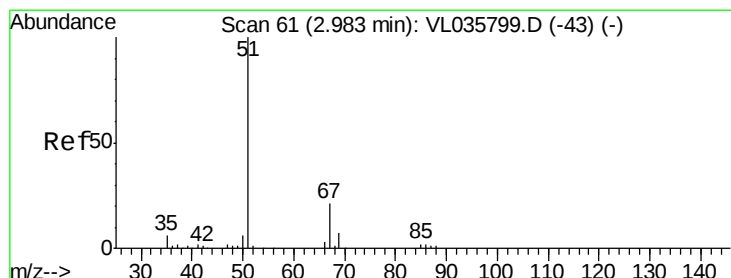
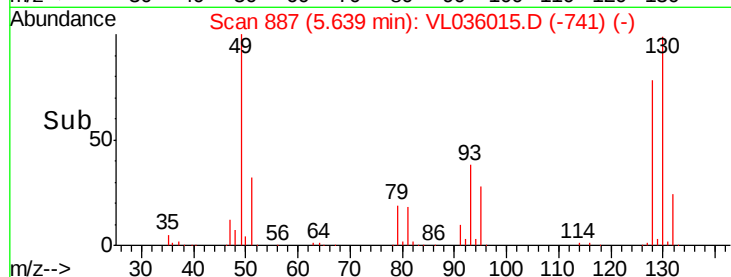
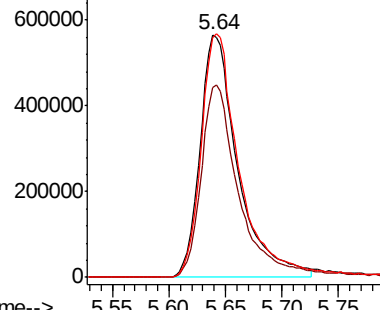
130 104.2 53.7 161.1



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



#3

Chlorodifluoromethane

Concen: 7.442 ppbv

RT: 2.87 min Scan# 26

Delta R.T. -0.11 min

Lab File: VL036015.D

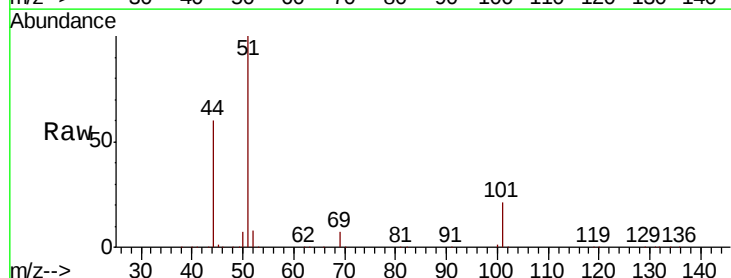
Acq: 25 Nov 2020 4:54

Tgt Ion: 51 Resp: 1173439

Ion Ratio Lower Upper

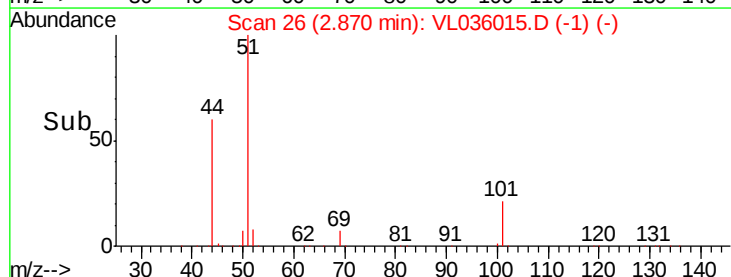
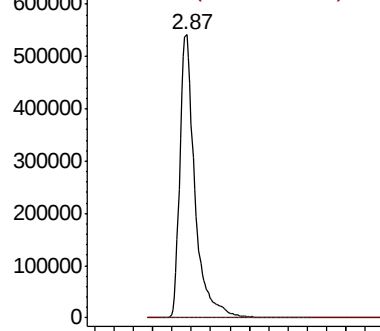
51 100

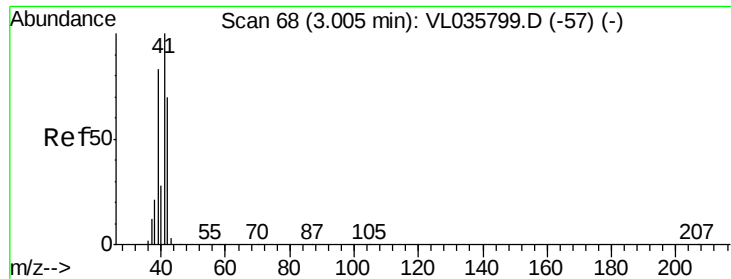
67 0.0 17.0 25.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.069 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036015.D

Acq: 25 Nov 2020 4:54

Instrument :

MSVOA_L

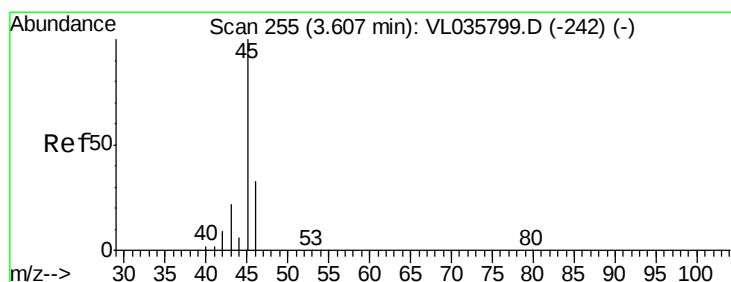
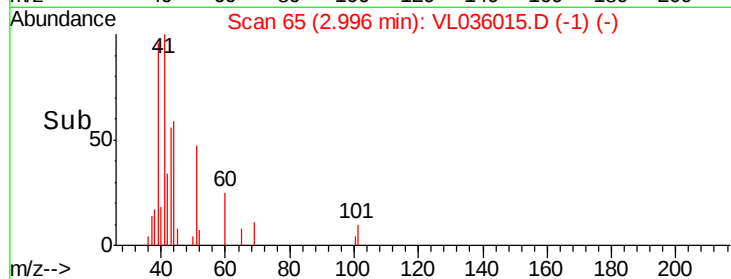
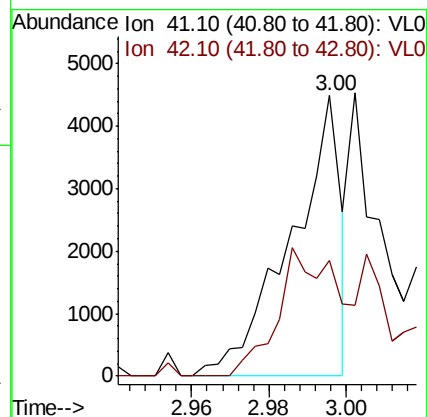
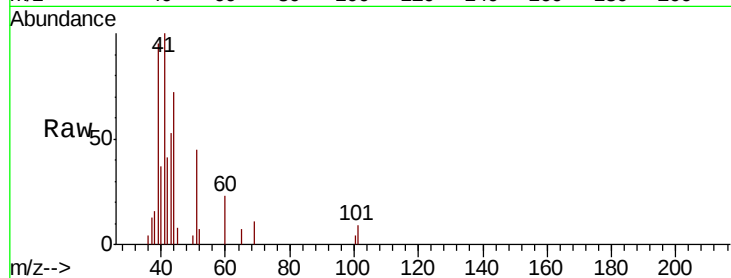
ClientSampled :

Tot Ion: 41 Resp: 4007

Ion Ratio Lower Upper

41 100

42 93.1 56.2 84.4#



#13

Ethanol

Concen: 1.074 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036015.D

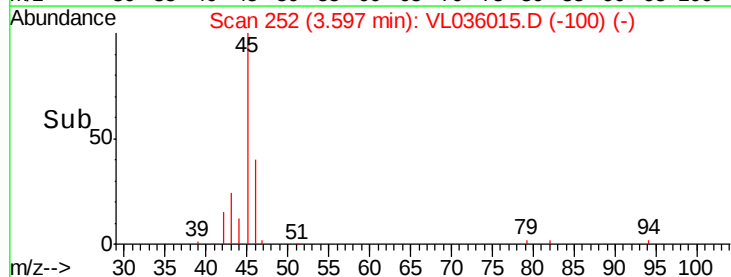
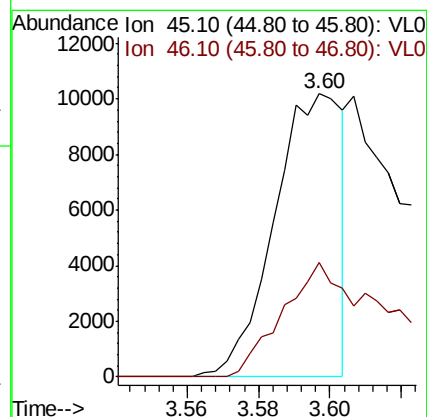
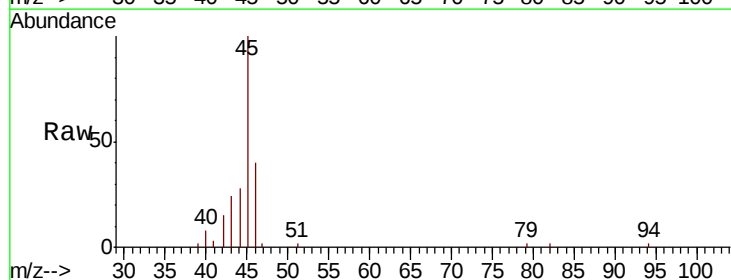
Acq: 25 Nov 2020 4:54

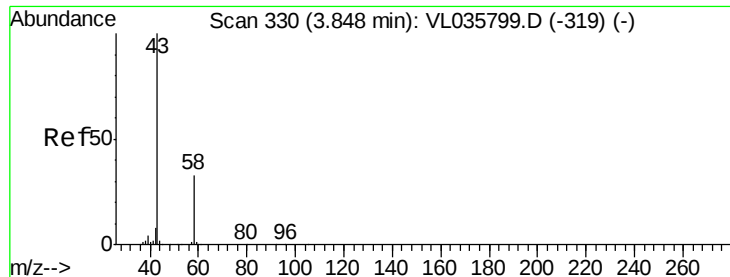
Tgt Ion: 45 Resp: 13448

Ion Ratio Lower Upper

45 100

46 82.0 16.1 64.5#





#15

Acetone

Concen: 1.397 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL036015.D

Acq: 25 Nov 2020 4:54

Instrument :

MSVOA_L

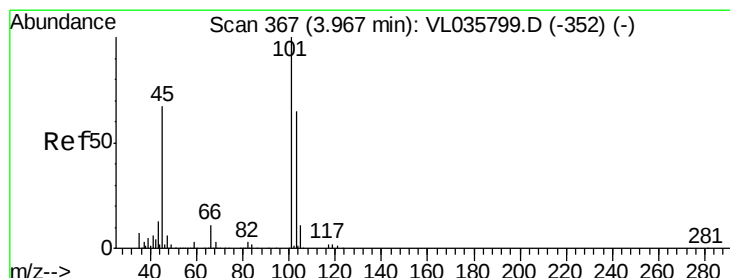
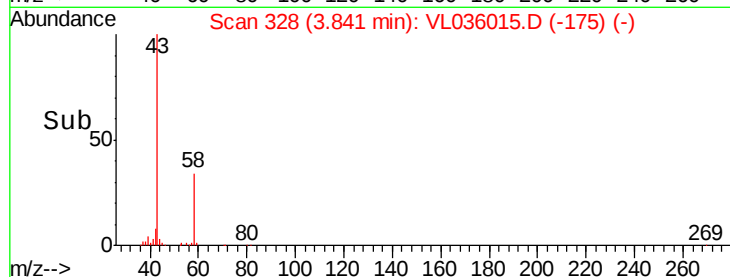
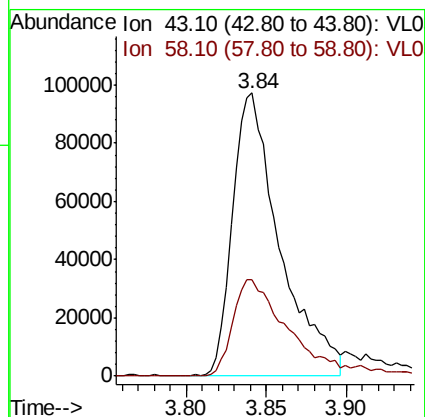
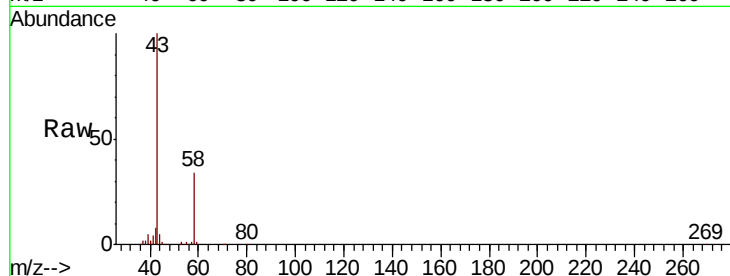
ClientSampleId :

Tot Ion: 43 Resp: 196646

Ion Ratio Lower Upper

43 100

58 41.8 27.5 41.3#



#19

Isopropyl Alcohol

Concen: 0.173 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL036015.D

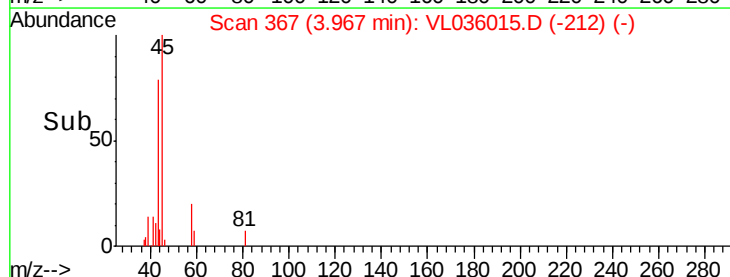
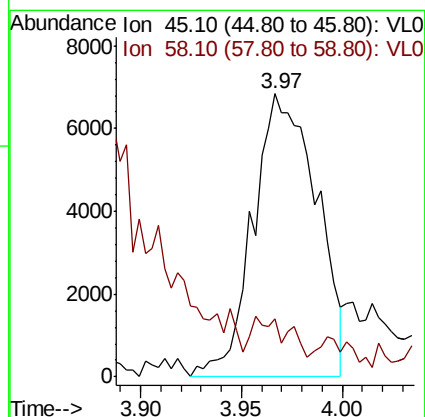
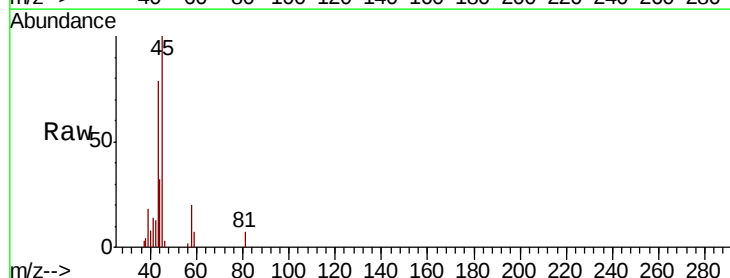
Acq: 25 Nov 2020 4:54

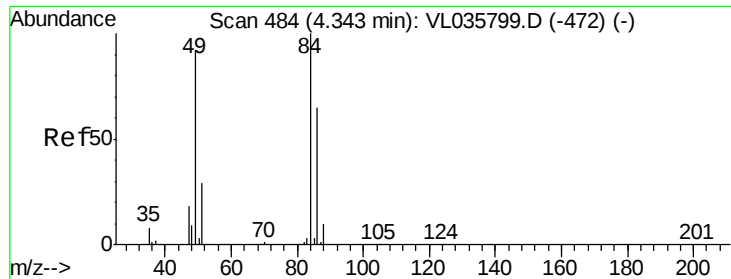
Tgt Ion: 45 Resp: 14969

Ion Ratio Lower Upper

45 100

58 0.0 2.6 3.8#

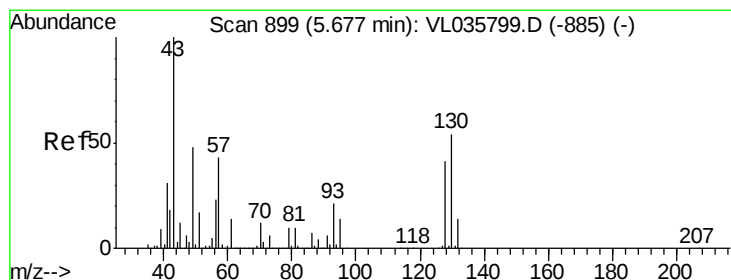
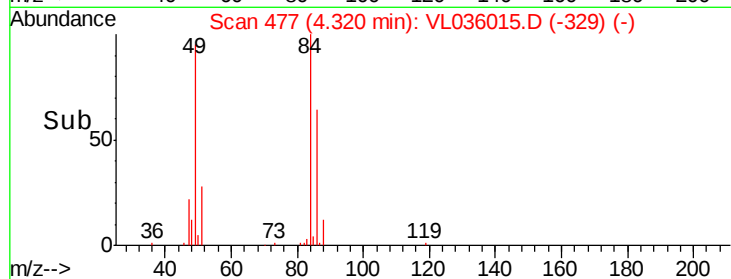
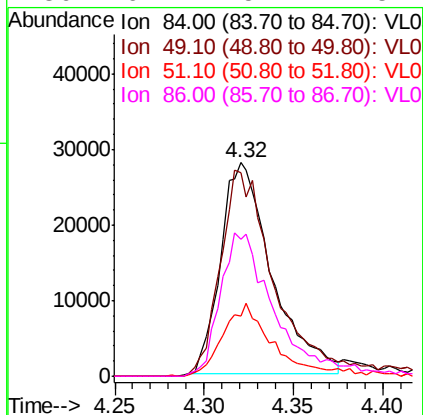
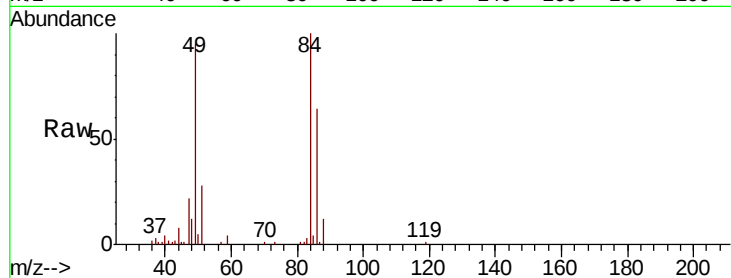




#20
Methvlene Chloride
Concen: 0.564 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL036015.D
Acq: 25 Nov 2020 4:54

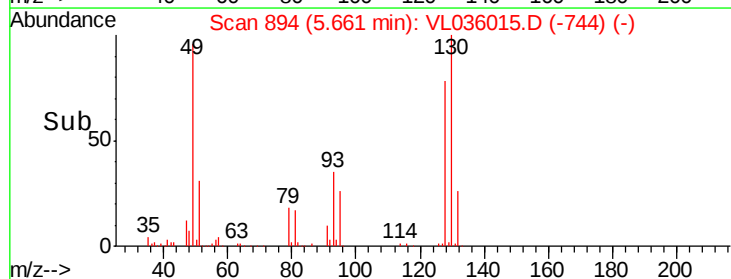
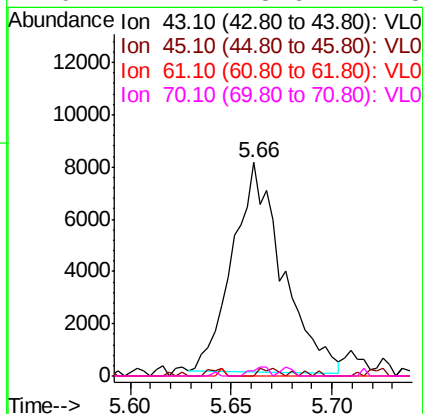
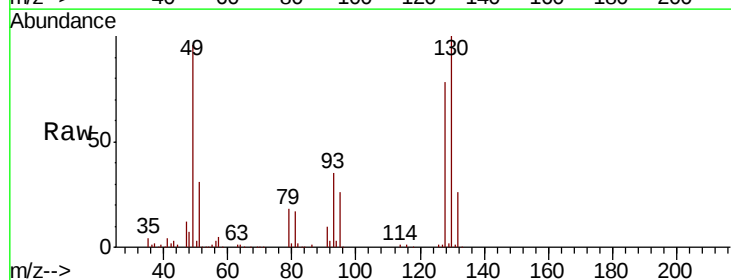
Instrument :
MSVOA_L
ClientSampleId :

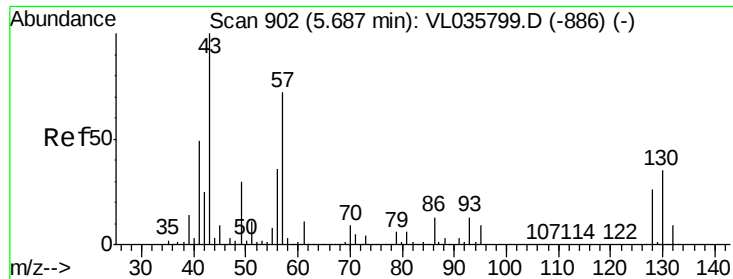
Tot Ion:	84	Resp:	55853
Ion	Ratio	Lower	Upper
84	100		
49	94.8	73.8	110.8
51	27.8	23.0	34.4
86	64.2	52.1	78.1



#25
Ethyl Acetate
Concen: 0.050 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL036015.D
Acq: 25 Nov 2020 4:54

Tgt Ion:	43	Resp:	13981
Ion	Ratio	Lower	Upper
43	100		
45	2.1	8.5	12.7#
61	0.0	10.7	16.1#
70	1.4	8.6	12.8#

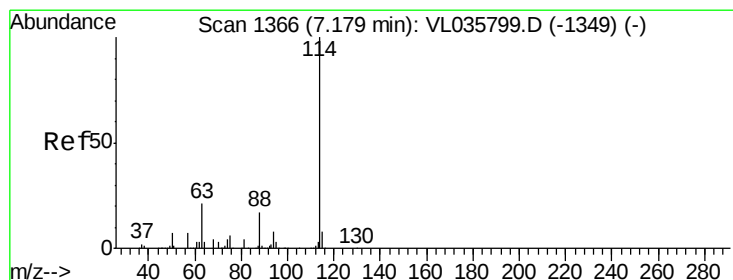
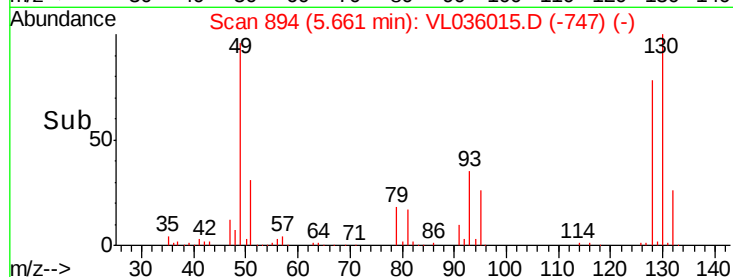
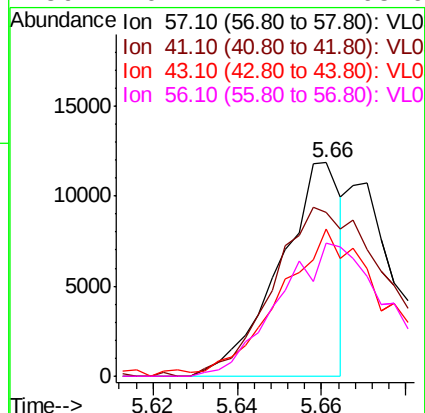
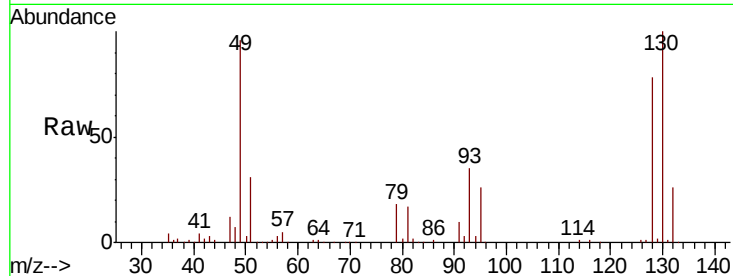




#26
Hexane
Concen: 0.079 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL036015.D
Acq: 25 Nov 2020 4:54

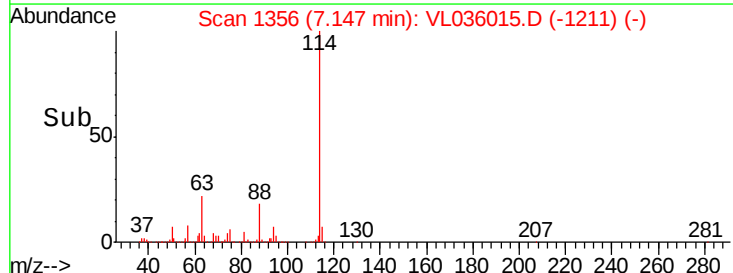
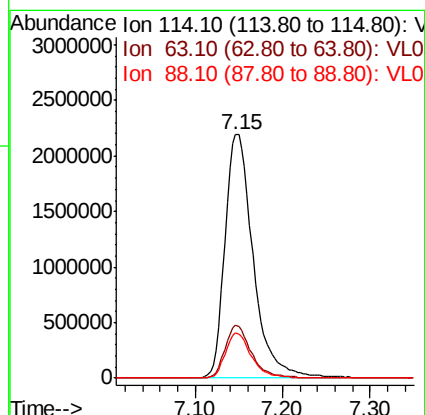
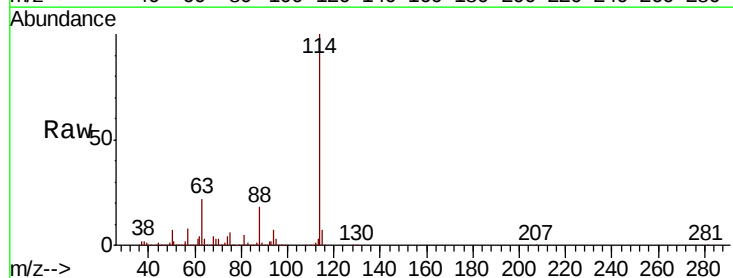
Instrument :
MSVOA_L
ClientSampleId :

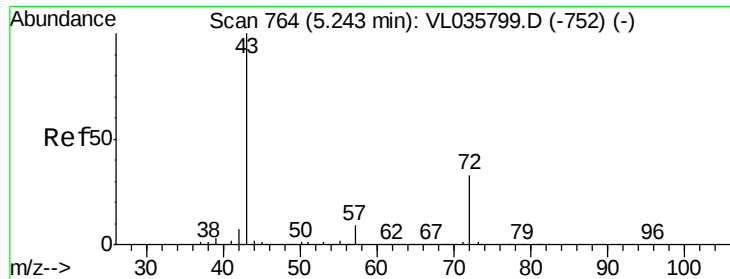
Tot Ion: 57 Resp: 12013
Ion Ratio Lower Upper
57 100
41 157.6 58.9 88.3#
43 136.9 150.2 225.2#
56 116.2 42.4 63.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL036015.D
Acq: 25 Nov 2020 4:54

Tgt Ion: 114 Resp: 4916782
Ion Ratio Lower Upper
114 100
63 20.4 16.1 24.1
88 17.4 13.7 20.5

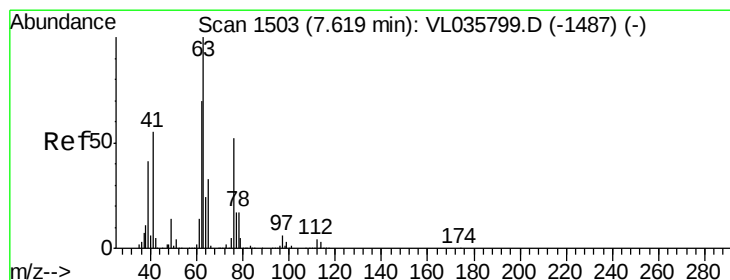
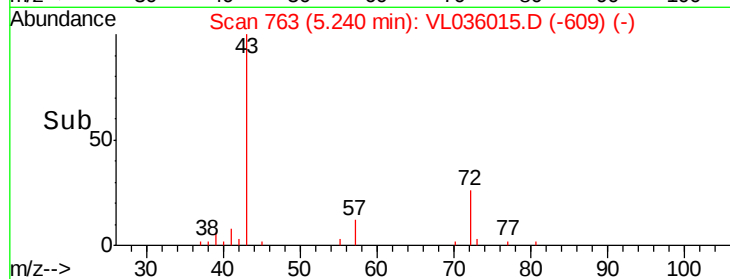
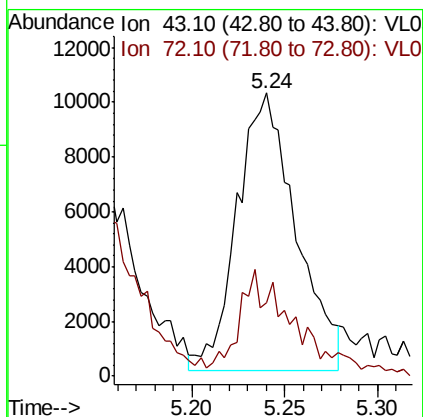
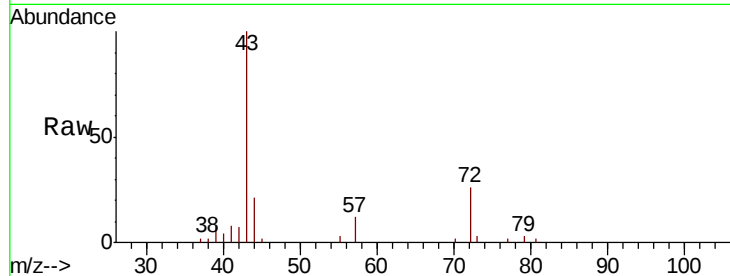




#34
2-Butanone
Concen: 0.141 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.00 min
Lab File: VL036015.D
Acq: 25 Nov 2020 4:54

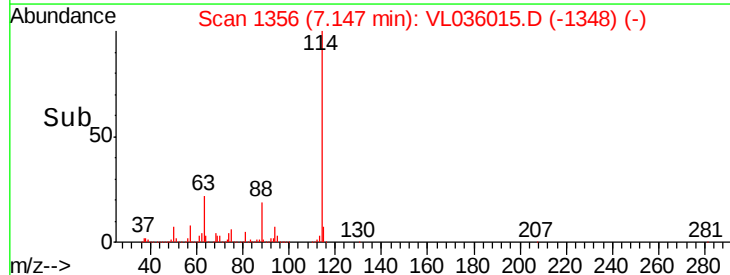
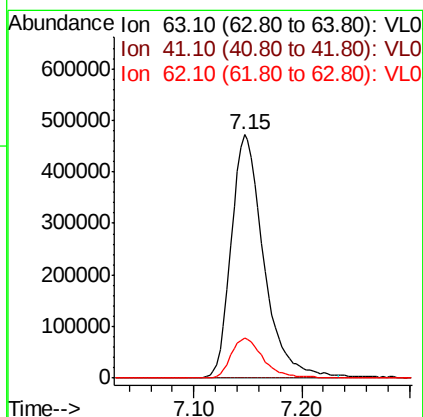
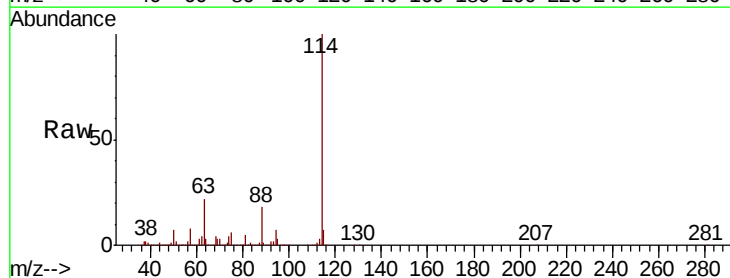
Instrument :
MSVOA_L
ClientSampled :

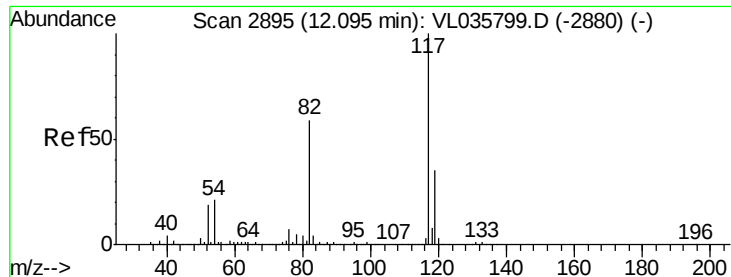
Tot Ion: 43 Resp: 22503
Ion Ratio Lower Upper
43 100
72 37.2 26.5 39.7



#39
1,2-Dichloropropane
Concen: 8.071 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.47 min
Lab File: VL036015.D
Acq: 25 Nov 2020 4:54

Tgt Ion: 63 Resp: 993268
Ion Ratio Lower Upper
63 100
41 0.1 43.8 65.6#
62 16.4 56.2 84.2#

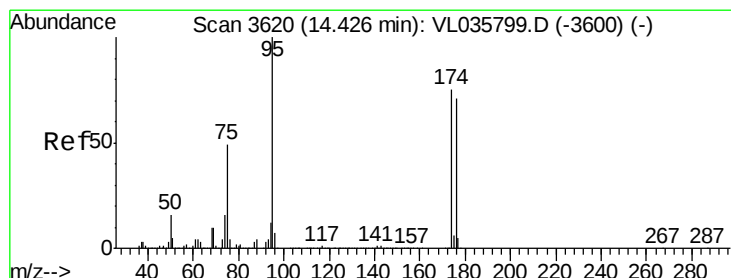
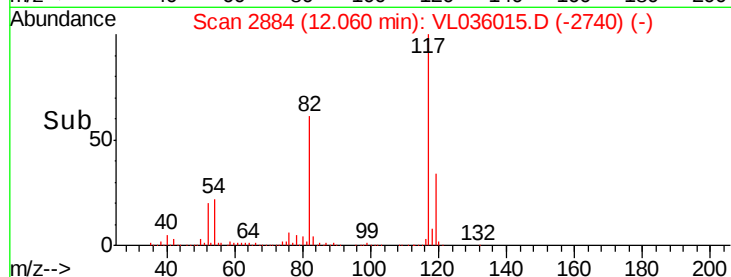
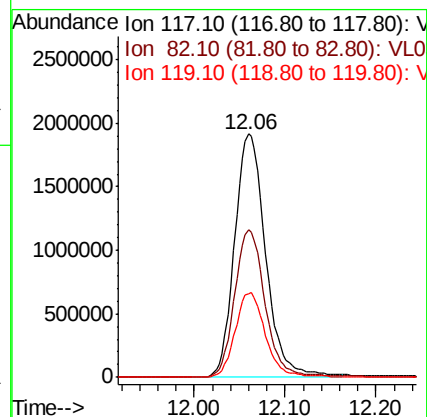
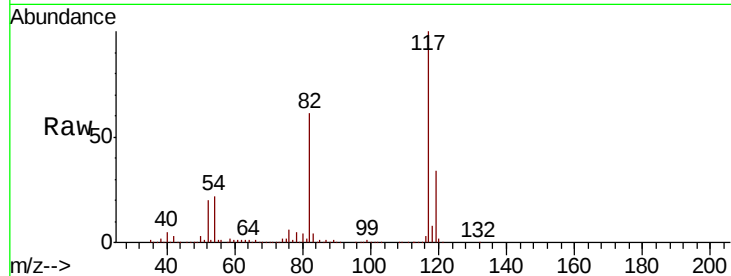




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL036015.D
Acq: 25 Nov 2020 4:54

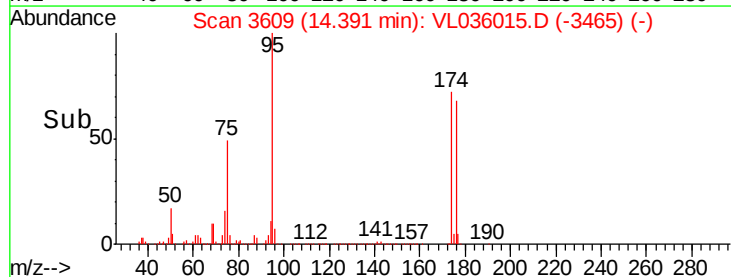
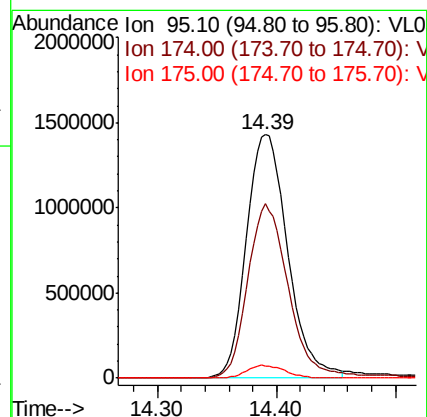
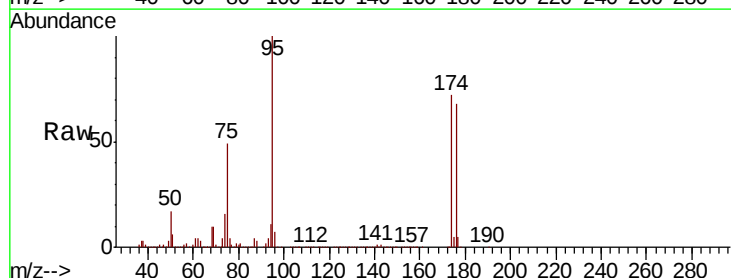
Instrument :
MSVOA_L
ClientSampled :

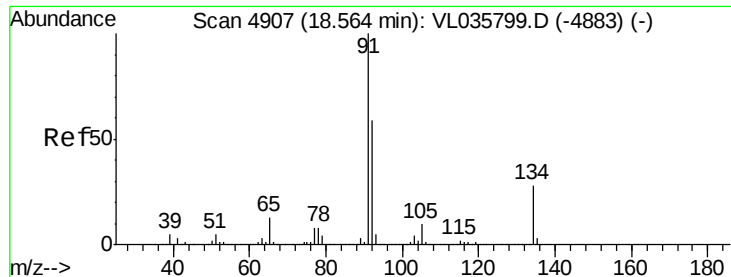
Tot Ion:117 Resp: 4560501
Ion Ratio Lower Upper
117 100
82 60.2 50.6 76.0
119 34.6 52.6 78.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.633 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.04 min
Lab File: VL036015.D
Acq: 25 Nov 2020 4:54

Tgt Ion: 95 Resp: 3445226
Ion Ratio Lower Upper
95 100
174 72.4 59.8 89.6
175 5.3 4.3 6.5

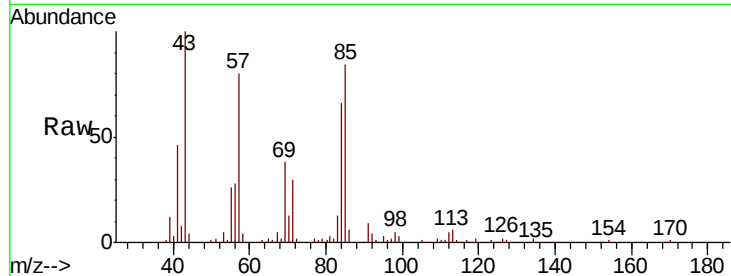




#70
 n-Butylbenzene
 Concen: 0.034 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.03 min
 Lab File: VL036015.D
 Acq: 25 Nov 2020 4:54

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	45.7	68.5
134	26.1	21.0	31.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

