

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037287.D
 Acq On : 27 Jul 2021 8:21
 Operator : SY/AP
 Sample : VL0727ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 08:57:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 07:36:57 2021
 QLast Update : Tue Jul 27 07:36:57 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1292912	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3657869	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3201394	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2422054	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

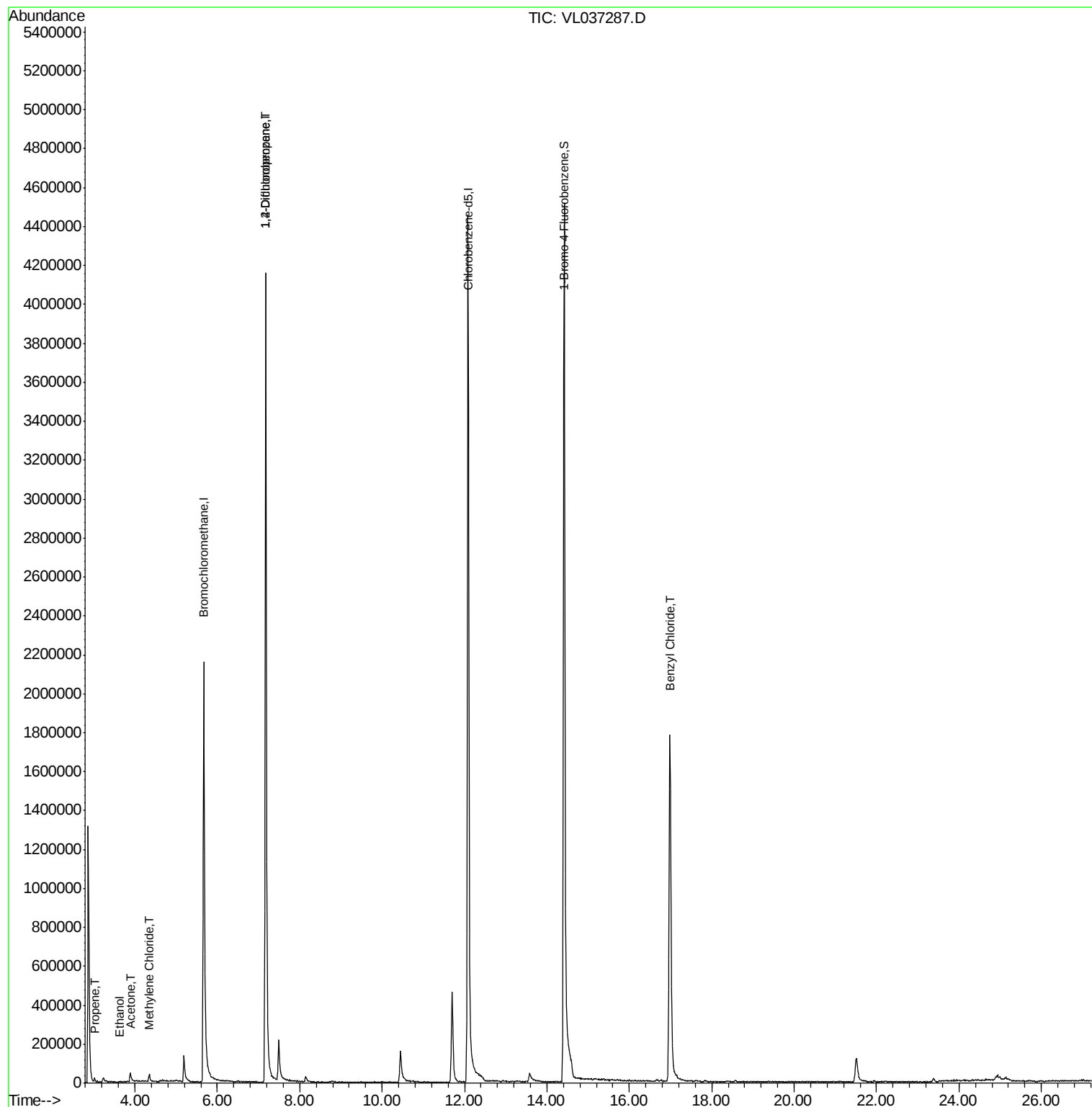
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	7400	0.094	ppbv	85
13) Ethanol	3.62	45	478	0.034	ppbv #	37
15) Acetone	3.88	43	43590	0.196	ppbv #	1
20) Methylene Chloride	4.34	84	7167	0.084	ppbv #	83
39) 1,2-Dichloropropane	7.18	63	885763	8.101	ppbv #	20
66) Benzyl Chloride	16.98	91	840	0.044	ppbv #	1

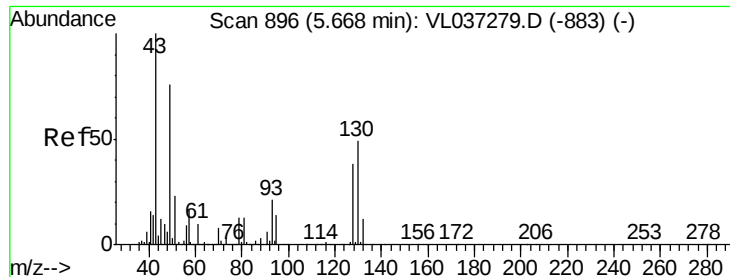
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037287.D

Acq: 27 Jul 2021 8:21

Instrument :
MSVOA_L
ClientSampleId :

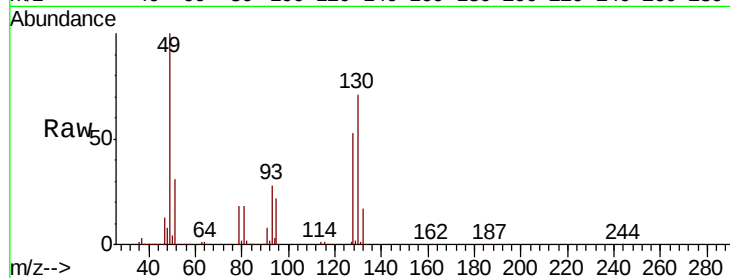
Tot Ion: 49 Resp: 1292912

Ion Ratio Lower Upper

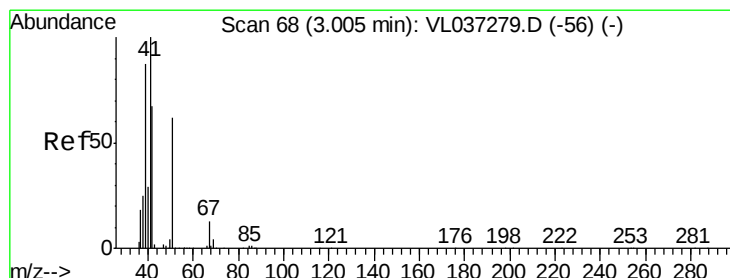
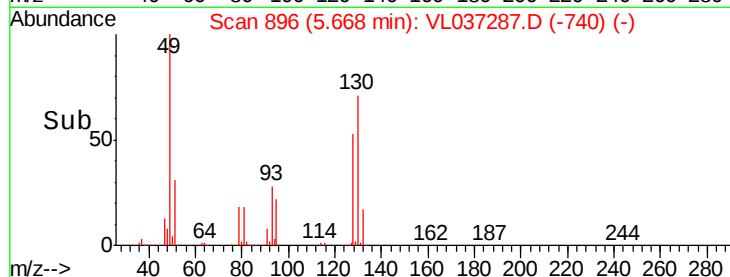
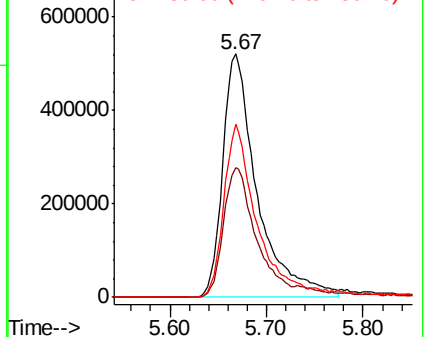
49 100

128 55.1 28.4 85.2

130 71.2 34.8 104.5



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.094 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL037287.D

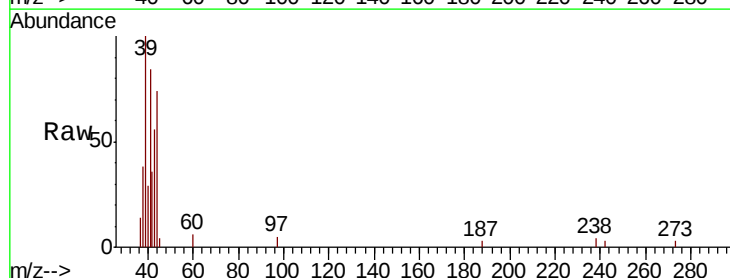
Acq: 27 Jul 2021 8:21

Tgt Ion: 41 Resp: 7400

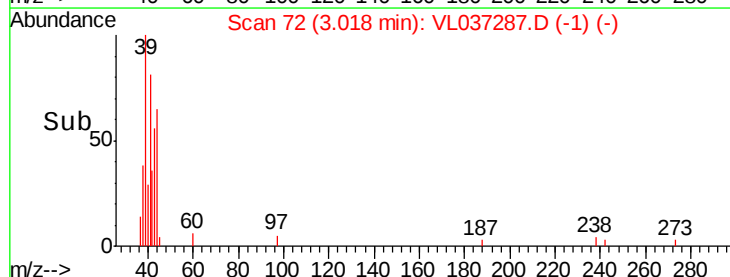
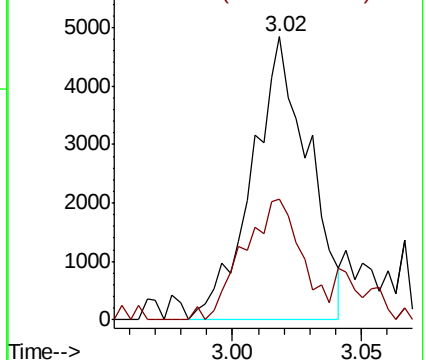
Ion Ratio Lower Upper

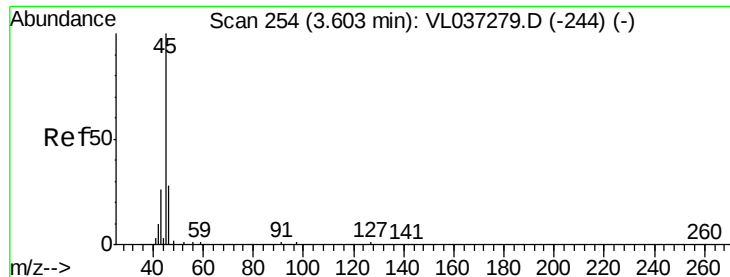
41 100

42 54.6 53.4 80.2



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.034 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL037287.D

Acq: 27 Jul 2021 8:21

Instrument :

MSVOA_L

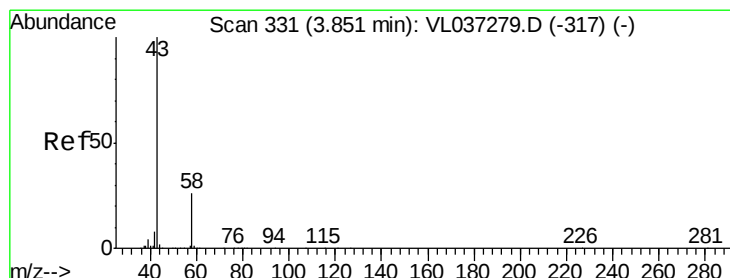
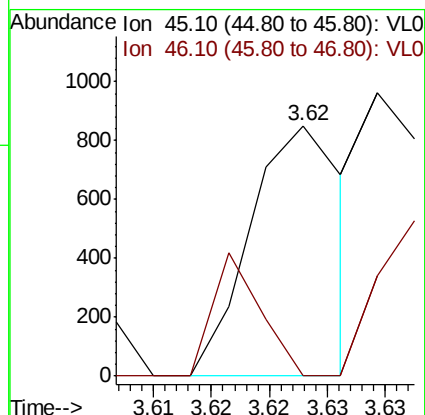
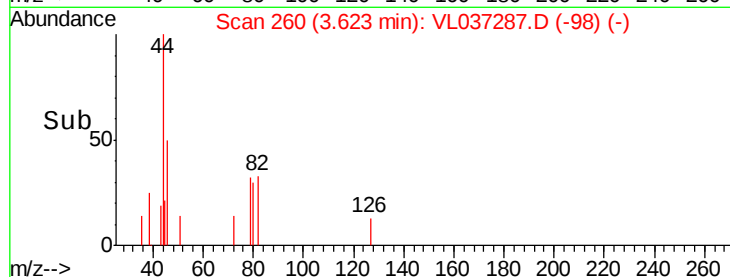
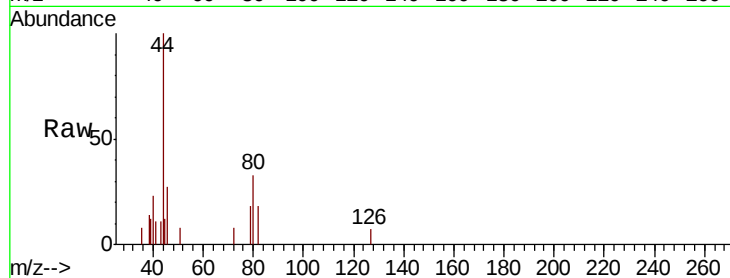
ClientSampleId :

Tot Ion: 45 Resp: 478

Ion Ratio Lower Upper

45 100

46 0.0 15.1 60.3#



#15

Acetone

Concen: 0.196 ppbv

RT: 3.88 min Scan# 340

Delta R.T. 0.03 min

Lab File: VL037287.D

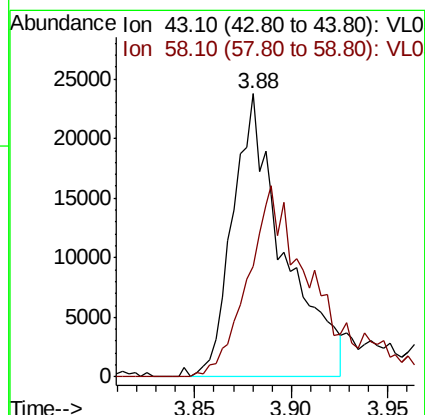
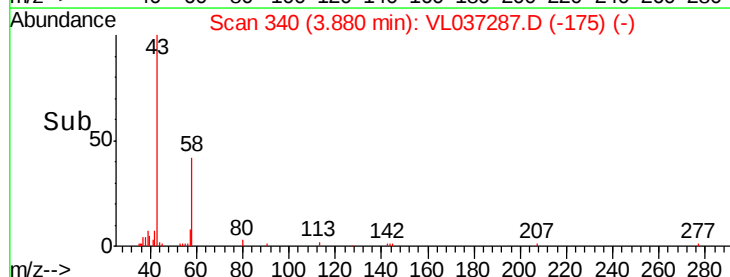
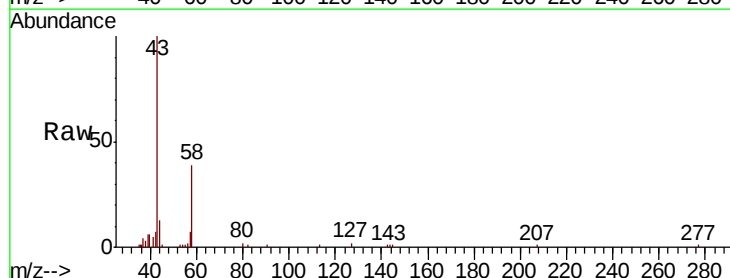
Acq: 27 Jul 2021 8:21

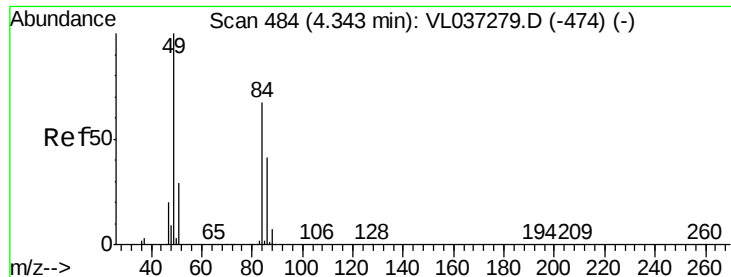
Tgt Ion: 43 Resp: 43590

Ion Ratio Lower Upper

43 100

58 94.5 22.3 33.5#

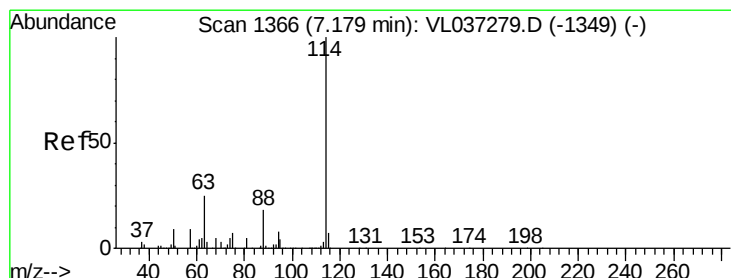
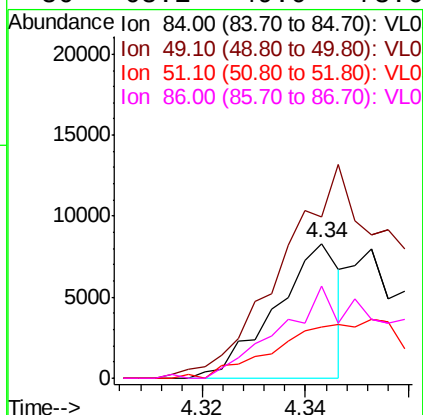
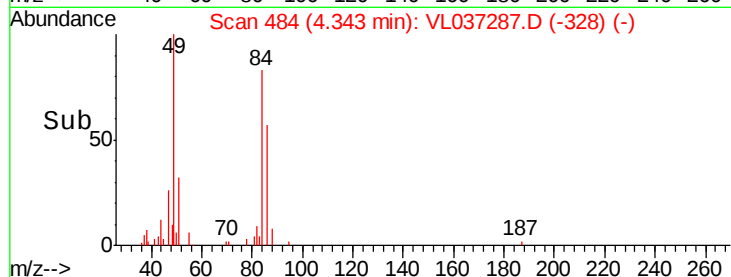
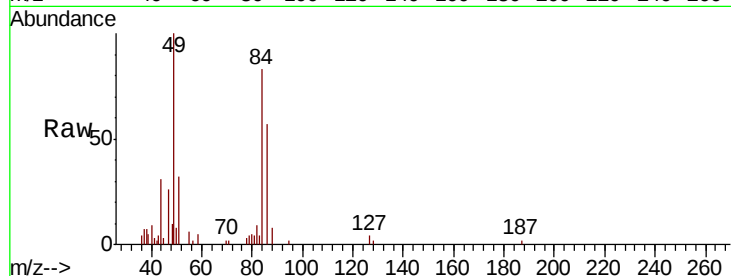




#20
Methylene Chloride
Concen: 0.084 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL037287.D
Acq: 27 Jul 2021 8:21

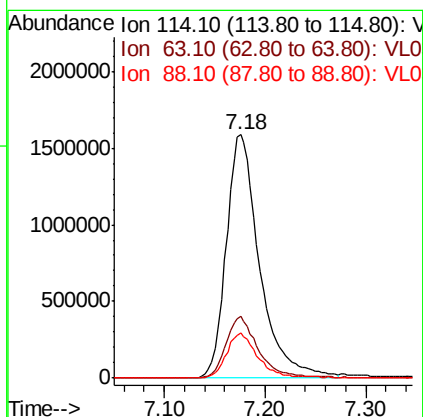
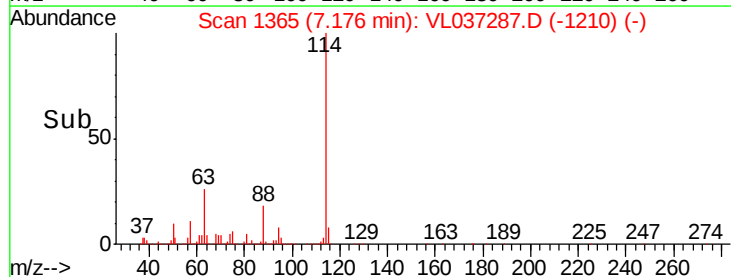
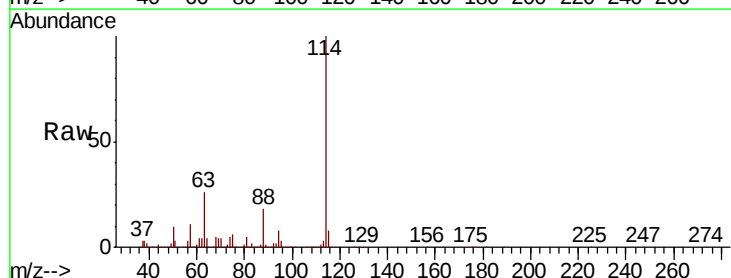
Instrument :
MSVOA_L
ClientSampled :

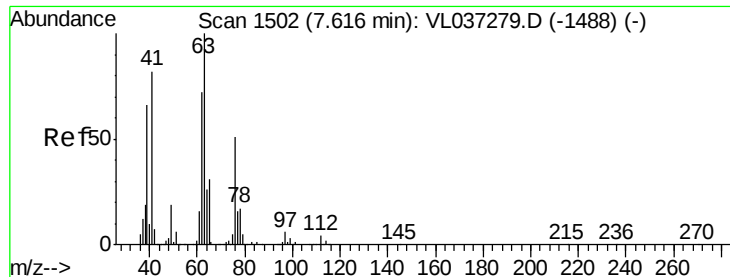
Tot Ion	Ratio	Lower	Upper
84	100		
49	122.6	119.0	178.6
51	34.7	35.0	52.4
86	68.1	49.0	73.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL037287.D
Acq: 27 Jul 2021 8:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.2	30.2
88	17.8	14.2	21.4

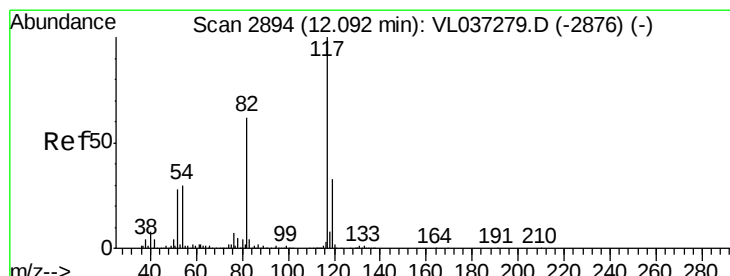
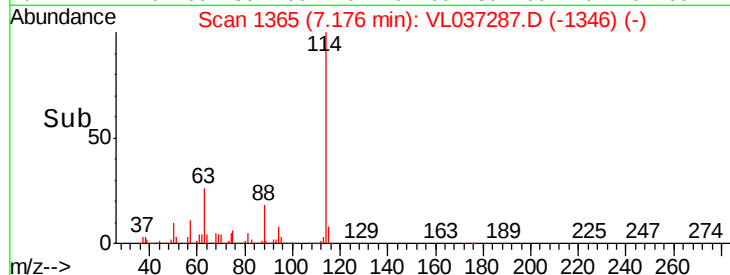
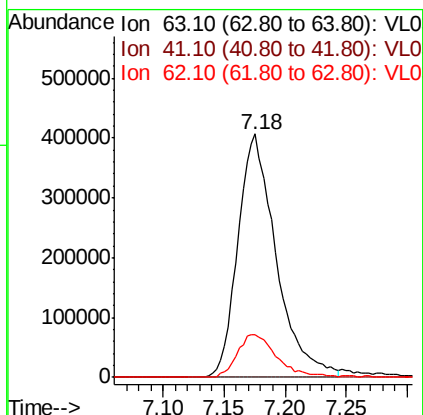
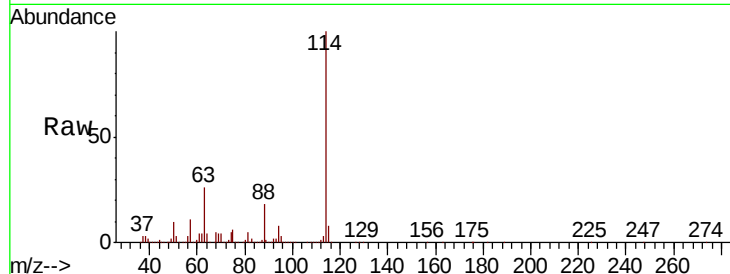




#39
 1,2-Dichloropropane
 Concen: 8.101 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.44 min
 Lab File: VL037287.D
 Acq: 27 Jul 2021 8:21

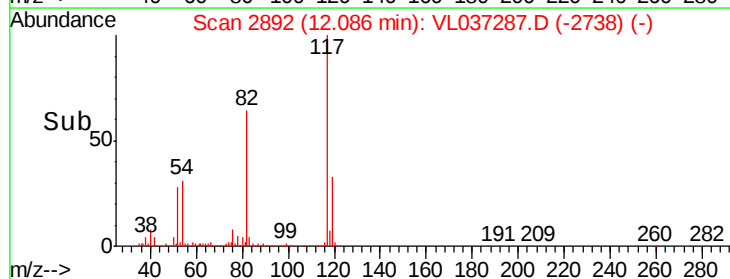
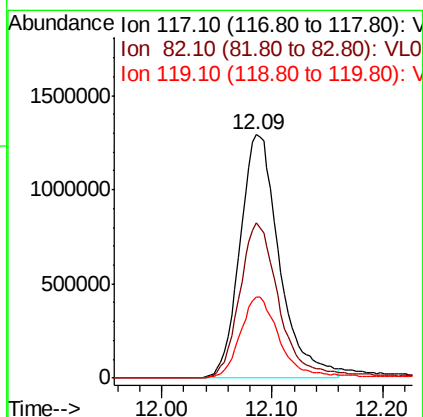
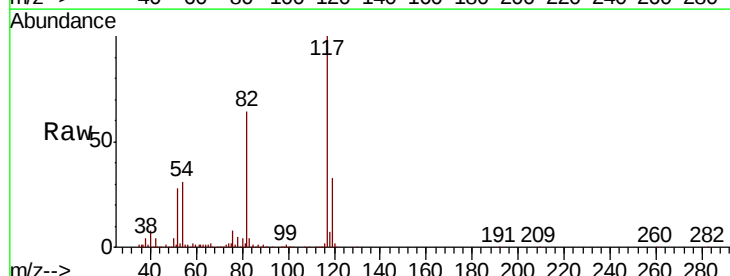
Instrument :
 MSVOA_L
 ClientSampleId :

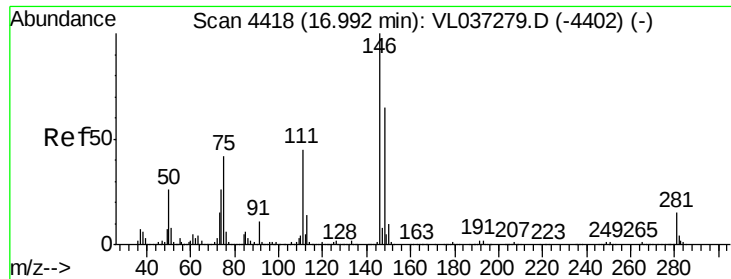
Tot Ion: 63 Resp: 885763
 Ion Ratio Lower Upper
 63 100
 41 0.0 65.6 98.4#
 62 17.4 57.9 86.9#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2892
 Delta R.T. -0.01 min
 Lab File: VL037287.D
 Acq: 27 Jul 2021 8:21

Tgt Ion: 117 Resp: 3201394
 Ion Ratio Lower Upper
 117 100
 82 66.6 52.3 78.5
 119 34.5 26.5 39.7

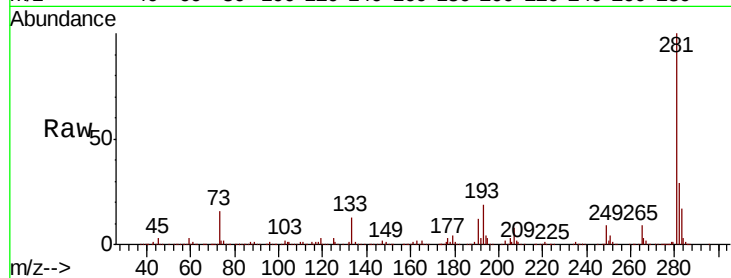




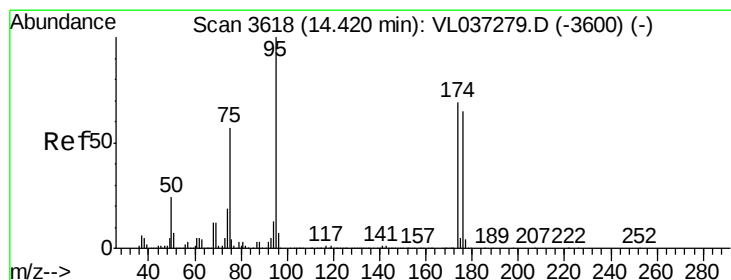
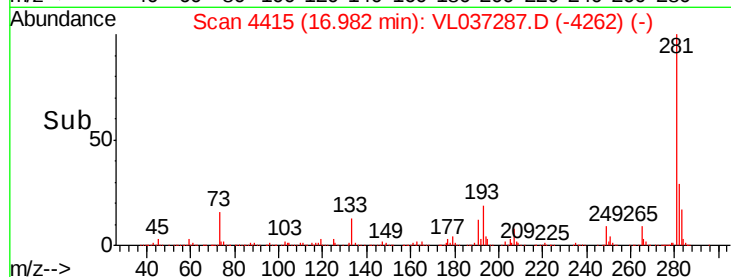
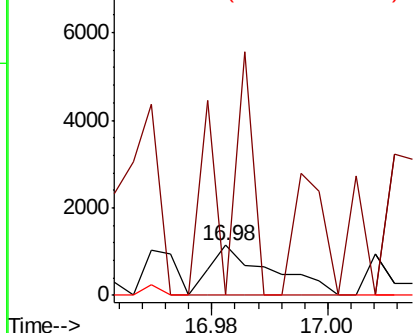
#66
Benzyl Chloride
Concen: 0.044 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. -0.01 min
Lab File: VL037287.D
Acq: 27 Jul 2021 8:21

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 91 Resp: 840
Ion Ratio Lower Upper
91 100
126 1065.1 13.4 20.2#
128 0.0 4.5 6.7#

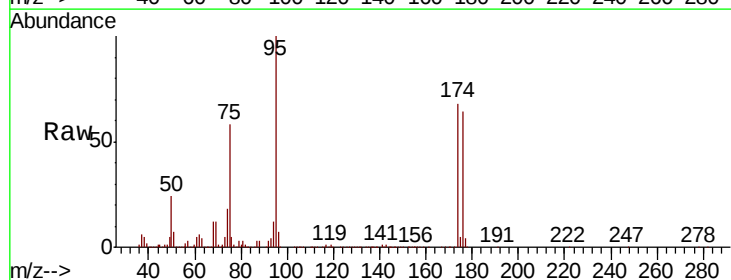


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.922 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.00 min
Lab File: VL037287.D
Acq: 27 Jul 2021 8:21

Tgt Ion: 95 Resp: 2422054
Ion Ratio Lower Upper
95 100
174 74.0 56.3 84.5
175 5.4 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

