

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036889.D
 Acq On : 28 Apr 2021 21:13
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 29 03:11:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1407050	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3339023	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2985011	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2293523	9.57	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

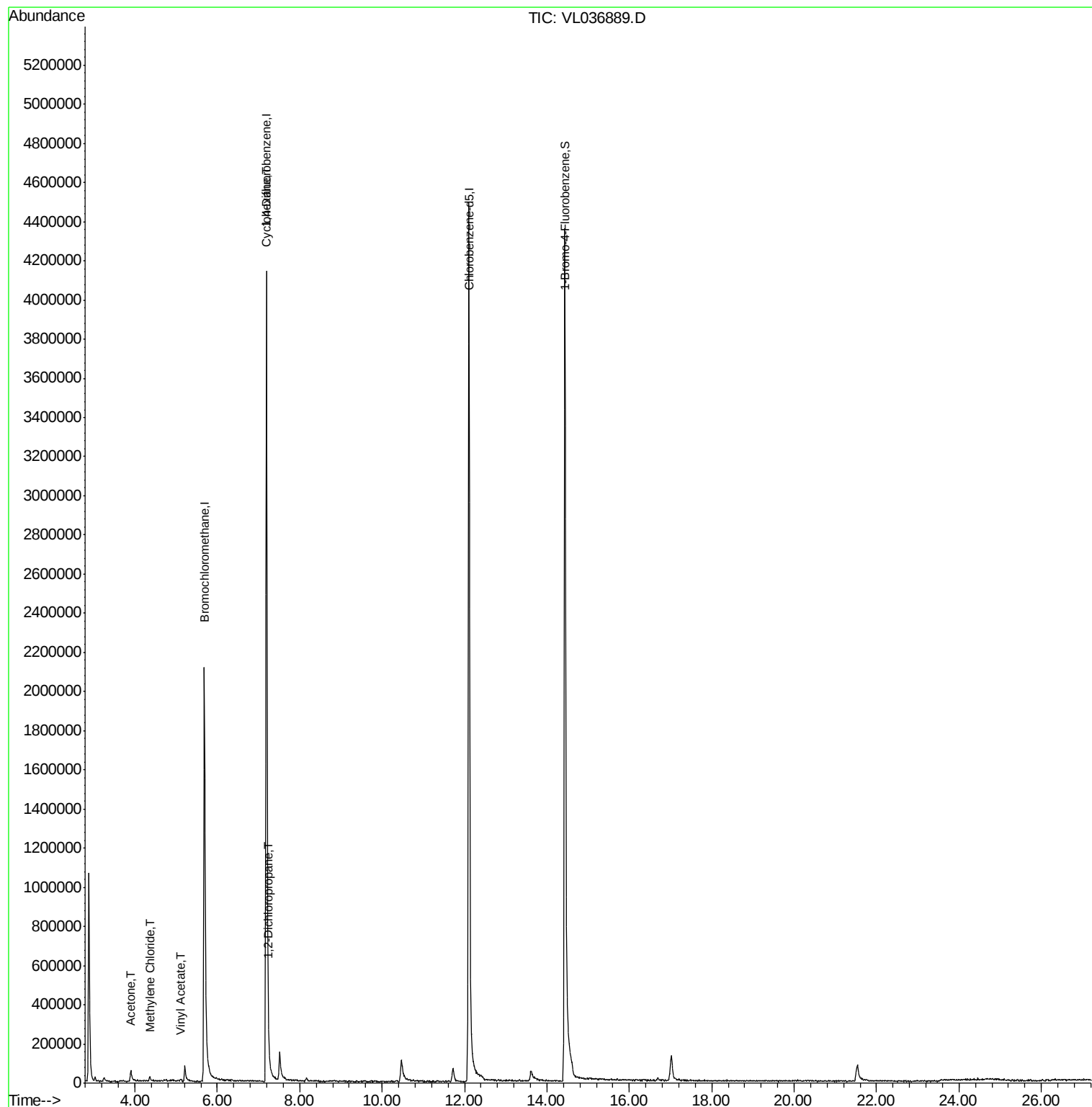
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.90	43	56425	0.425	ppbv #	48
20) Methylene Chloride	4.35	84	2822	0.044	ppbv #	91
23) Vinyl Acetate	5.11	43	5743	0.032	ppbv #	82
30) Cyclohexane	7.18	84	10323	0.086	ppbv #	3
39) 1,2-Dichloropropane	7.25	63	15137	0.134	ppbv #	30

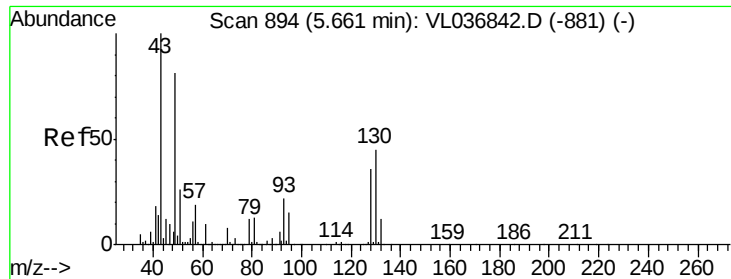
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

Lab File: VL036889.D

Acq: 28 Apr 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :

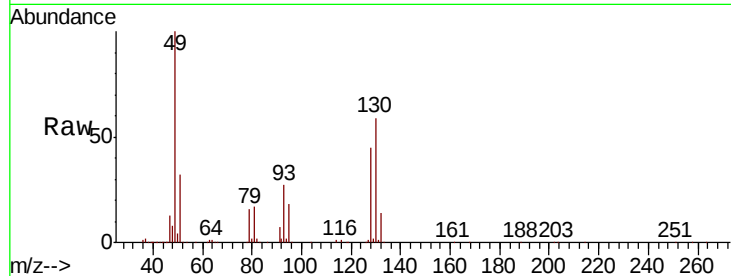
Tot Ion: 49 Resp: 1407050

Ion Ratio Lower Upper

49 100

128 48.0 24.4 73.2

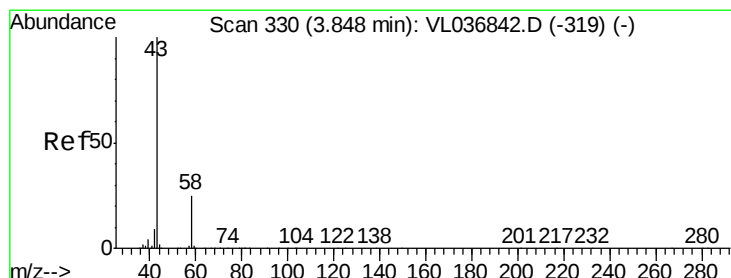
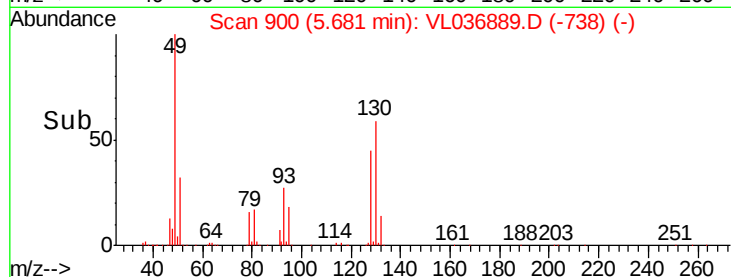
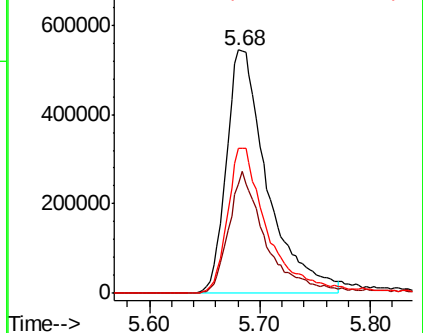
130 59.5 30.3 90.8



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



#15

Acetone

Concen: 0.425 ppbv

RT: 3.90 min Scan# 346

Delta R.T. 0.05 min

Lab File: VL036889.D

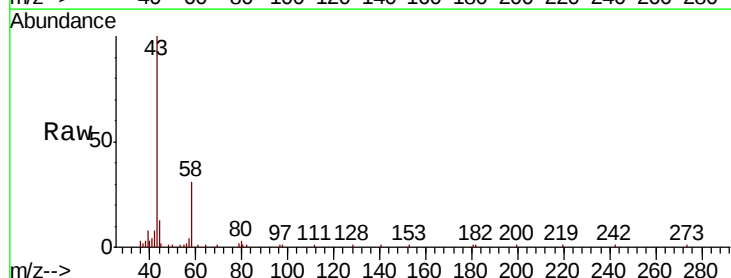
Acq: 28 Apr 2021 21:13

Tgt Ion: 43 Resp: 56425

Ion Ratio Lower Upper

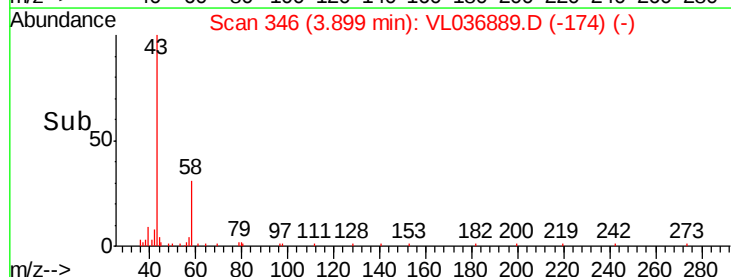
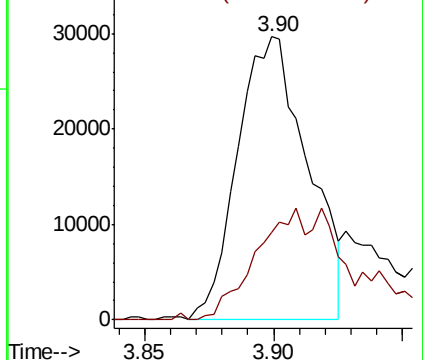
43 100

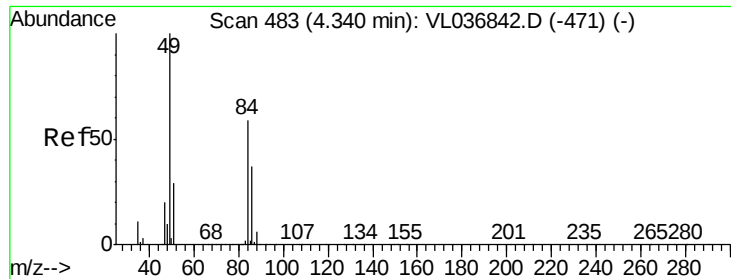
58 0.0 21.7 32.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



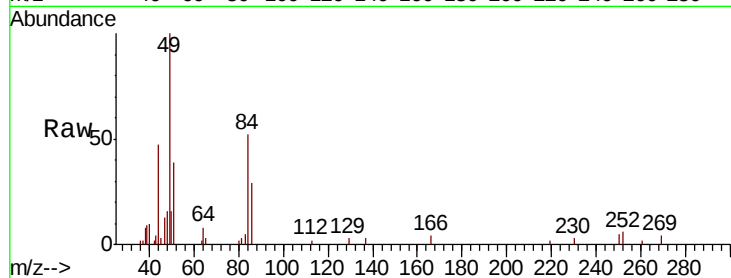


#20
Methvlene Chloride
Concen: 0.044 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036889.D
Acq: 28 Apr 2021 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 2822

Ion	Ratio	Lower	Upper
84	100		
49	175.5	135.4	203.0
51	67.2	39.3	58.9#
86	56.3	50.2	75.2



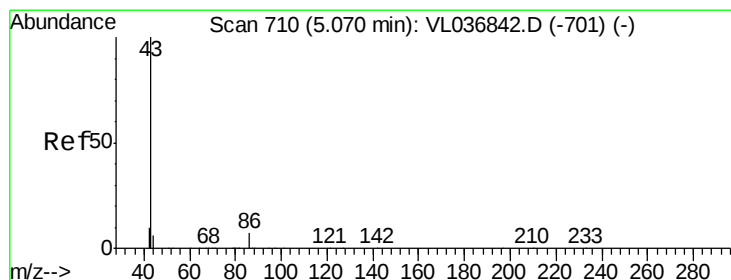
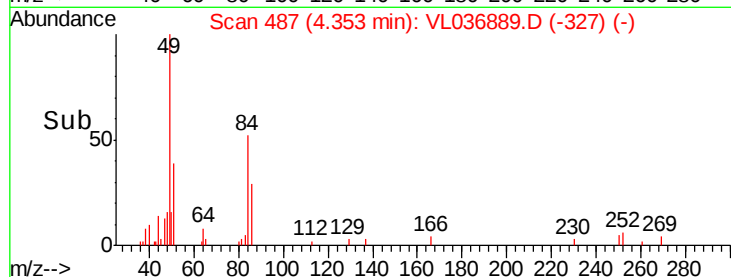
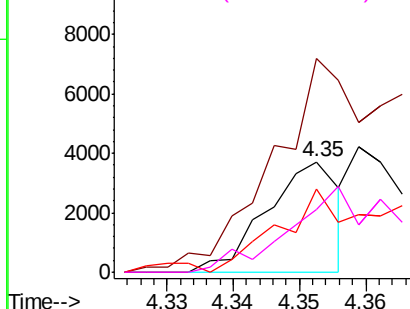
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

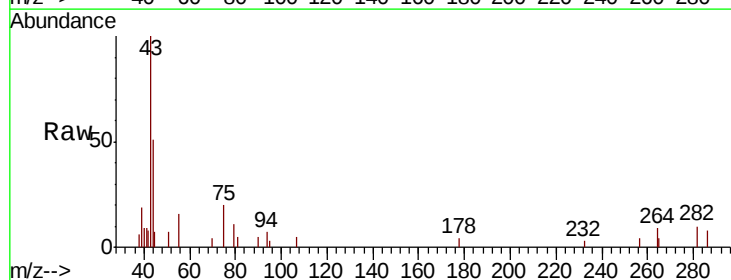
Ion 86.00 (85.70 to 86.70): VL0



#23
Vinyl Acetate
Concen: 0.032 ppbv
RT: 5.11 min Scan# 722
Delta R.T. 0.04 min
Lab File: VL036889.D
Acq: 28 Apr 2021 21:13

Tgt Ion: 43 Resp: 5743

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.3	7.9#
42	8.3	8.7	13.1#
44	18.4	3.9	5.9#



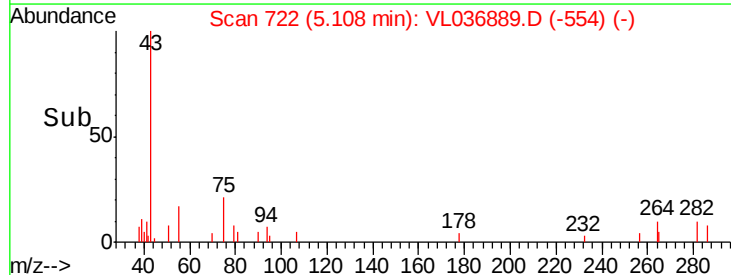
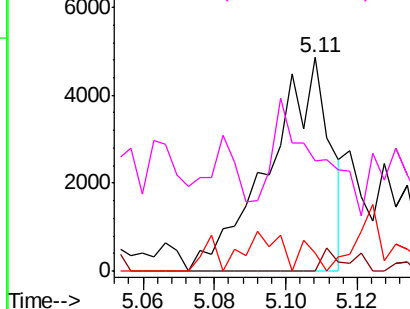
Abundance

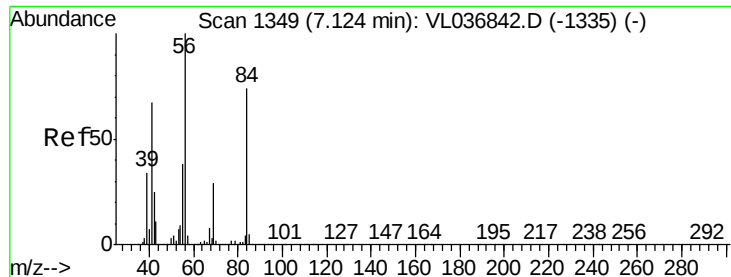
Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

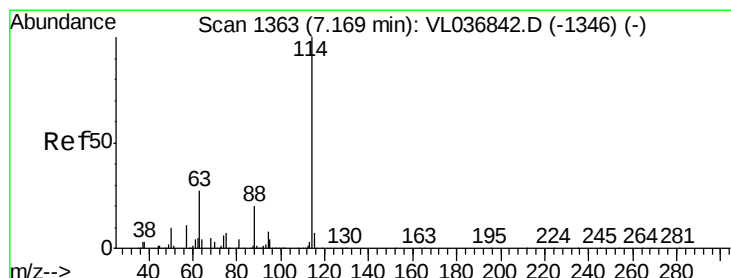
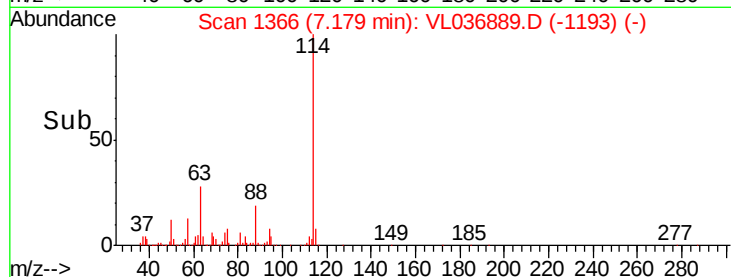
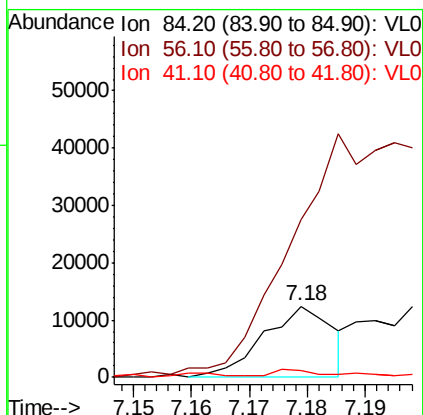
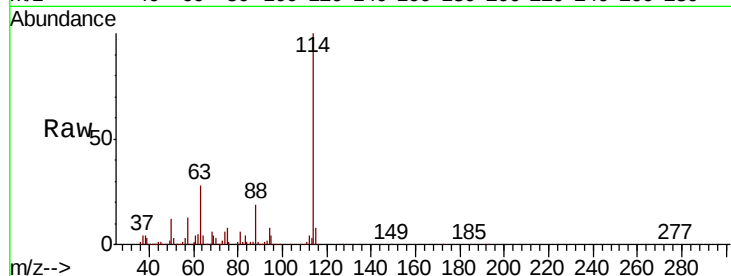




#30
Cvclohexane
Concen: 0.086 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.05 min
Lab File: VL036889.D
Acq: 28 Apr 2021 21:13

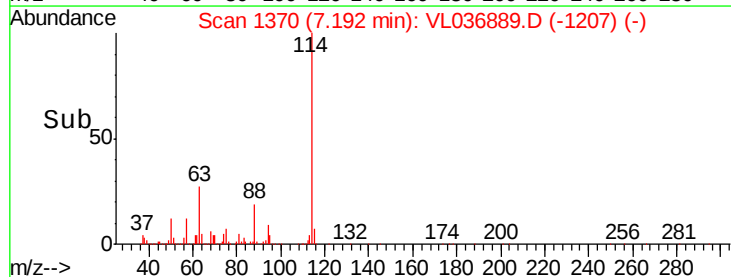
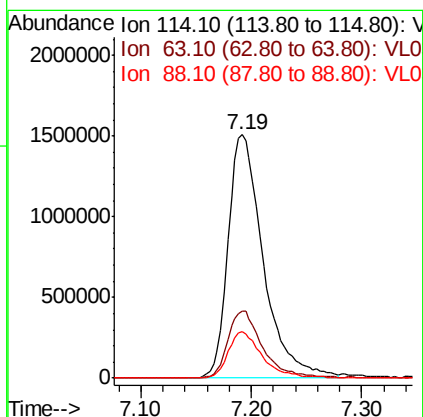
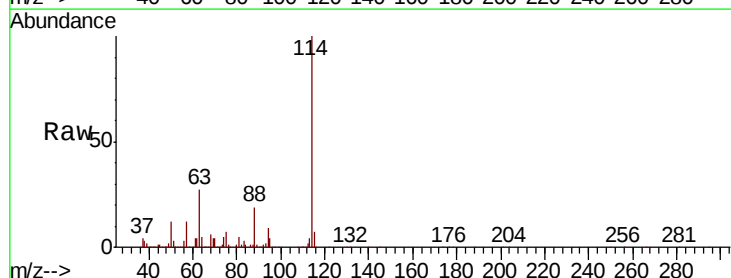
Instrument :
MSVOA_L
ClientSampleId :

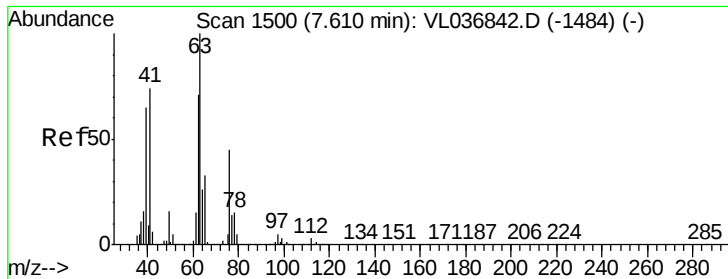
Tot Ion: 84 Resp: 10323
Ion Ratio Lower Upper
84 100
56 0.0 115.8 173.6#
41 28.3 74.6 111.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.02 min
Lab File: VL036889.D
Acq: 28 Apr 2021 21:13

Tgt Ion:114 Resp: 3339023
Ion Ratio Lower Upper
114 100
63 27.5 21.9 32.9
88 18.7 15.1 22.7

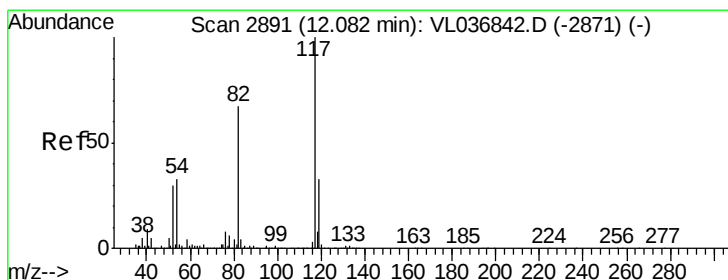
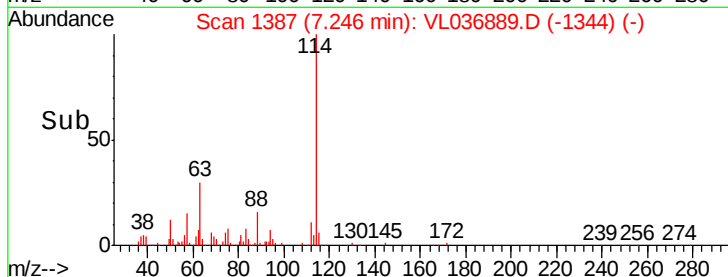
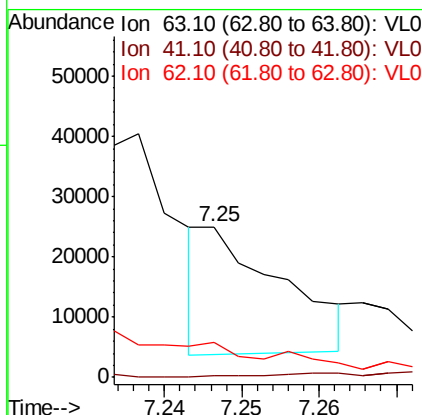
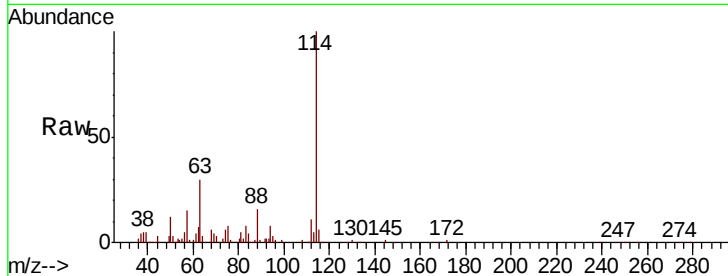




#39
 1,2-Dichloropropane
 Concen: 0.134 ppbv
 RT: 7.25 min Scan# 1387
 Delta R.T. -0.36 min
 Lab File: VL036889.D
 Acq: 28 Apr 2021 21:13

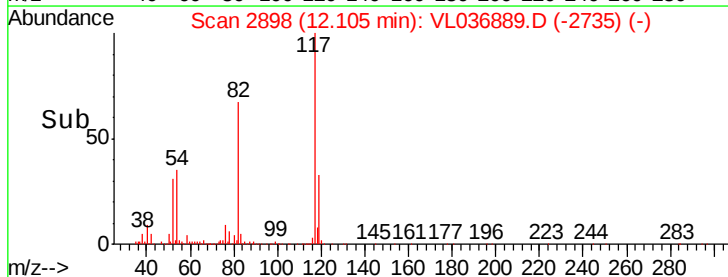
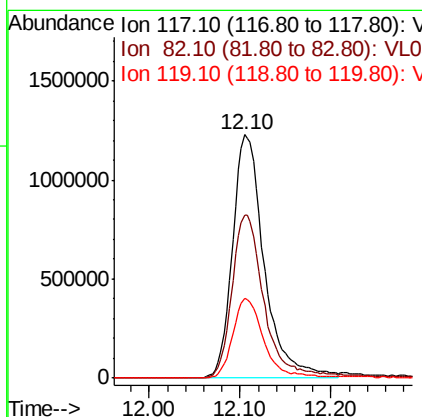
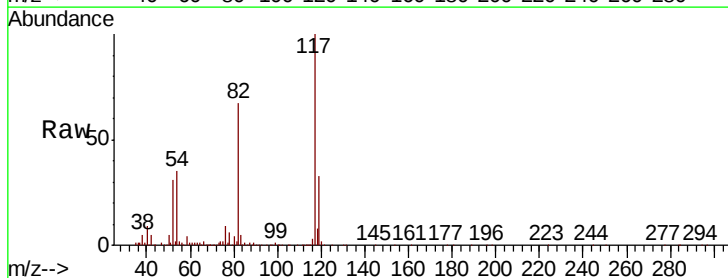
Instrument :
 MSVOA_L
 ClientSampleId :

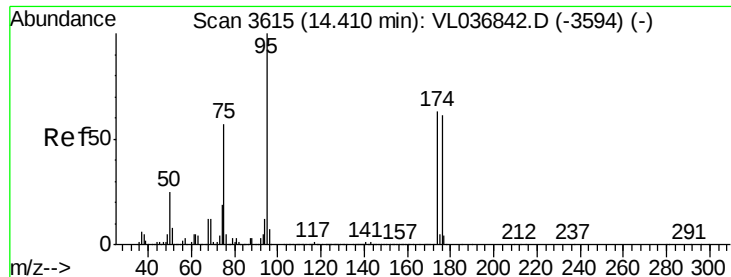
Tot Ion	63	Resp	15137
Ion Ratio	Lower	Upper	
63	100		
41	1.5	59.1	88.7#
62	26.6	56.9	85.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2898
 Delta R.T. 0.02 min
 Lab File: VL036889.D
 Acq: 28 Apr 2021 21:13

Tgt Ion	117	Resp	2985011
Ion Ratio	Lower	Upper	
117	100		
82	69.3	53.5	80.3
119	33.0	25.6	38.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.571 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.03 min

Lab File: VL036889.D

Acq: 28 Apr 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2293523

Ion Ratio Lower Upper

95 100

174 68.0 52.2 78.2

175 4.7 4.0 6.0

