

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036173.D
 Acq On : 16 Dec 2020 19:15
 Operator : SY/AP
 Sample : L5041-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 03:40:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1412436	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	2818363	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2567457	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2212891	10.85	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.50%

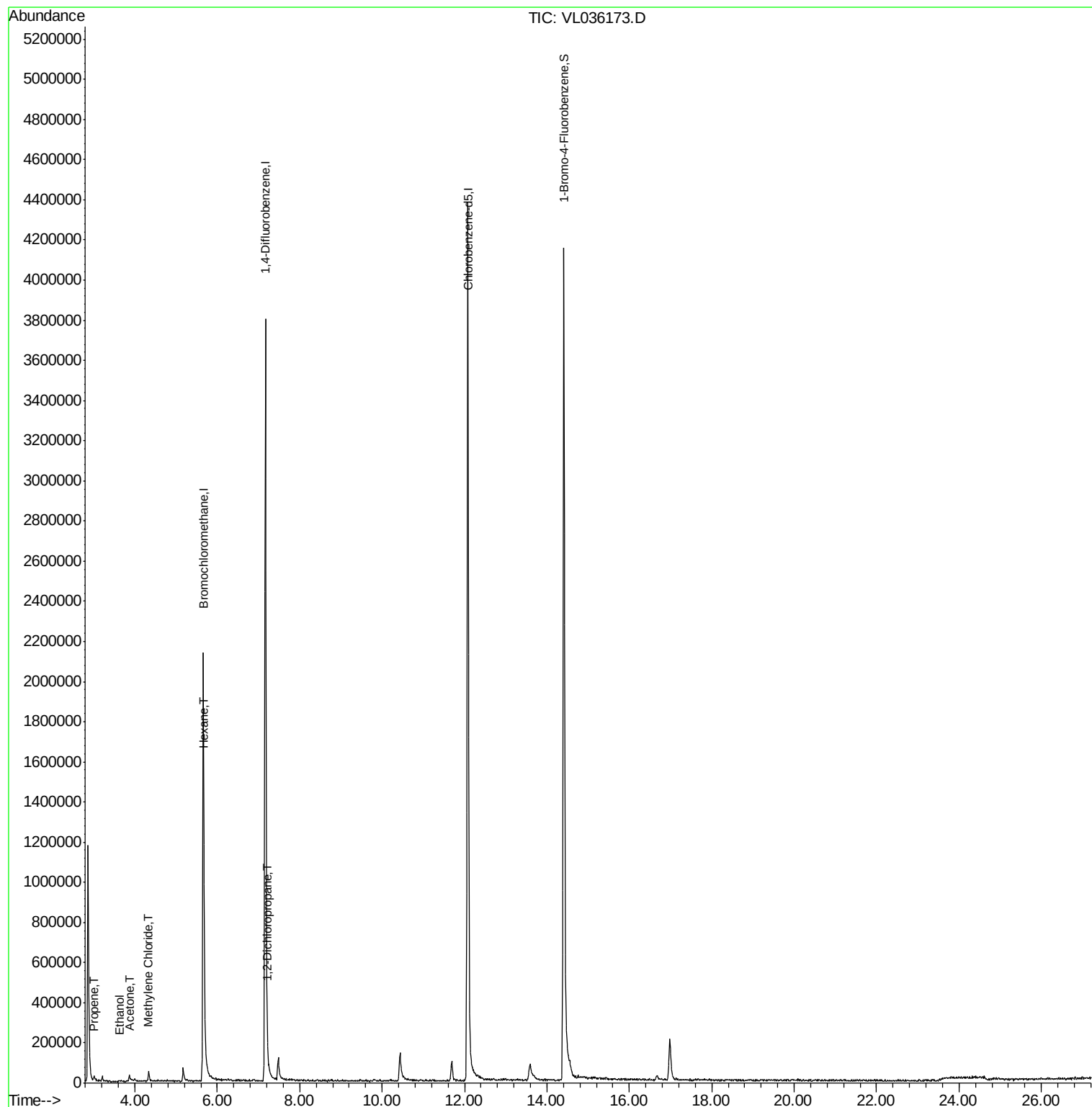
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	6202	0.077	ppbv	100
13) Ethanol	3.61	45	1569	0.141	ppbv #	29
15) Acetone	3.86	43	22227	0.131	ppbv #	49
20) Methylene Chloride	4.33	84	10022	0.144	ppbv	89
26) Hexane	5.68	57	6265	0.041	ppbv #	30
39) 1,2-Dichloropropane	7.22	63	16586	0.176	ppbv #	23

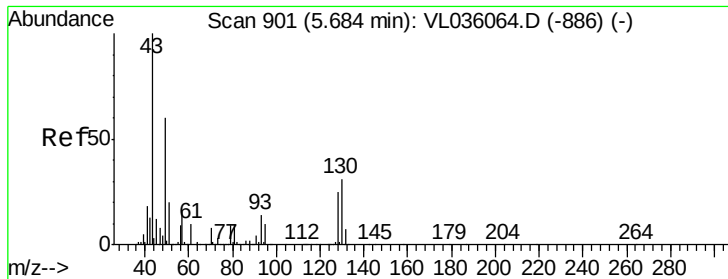
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL036173.D

Acq: 16 Dec 2020 19:15

Instrument :

MSVOA_L

ClientSampleId :

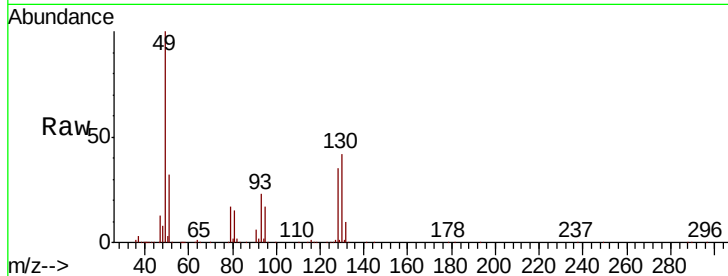
Tot Ion: 49 Resp: 1412436

Ion Ratio Lower Upper

49 100

128 37.4 21.1 63.1

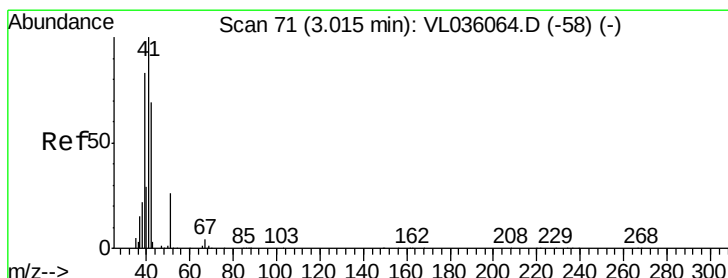
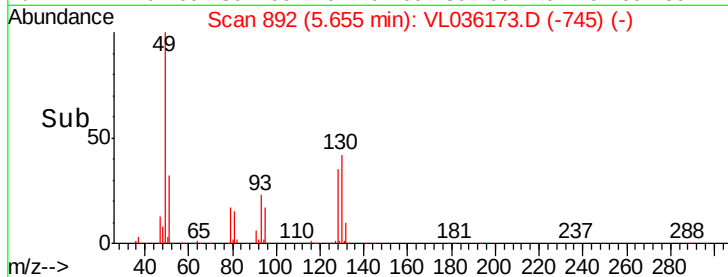
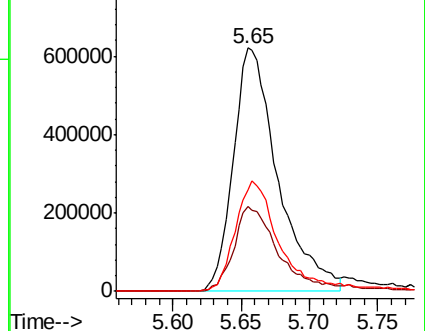
130 47.0 27.1 81.3



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: 0.077 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL036173.D

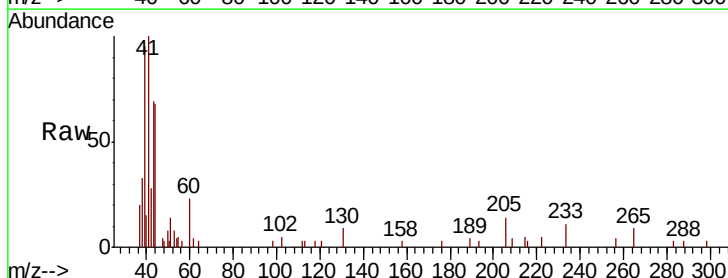
Acq: 16 Dec 2020 19:15

Tgt Ion: 41 Resp: 6202

Ion Ratio Lower Upper

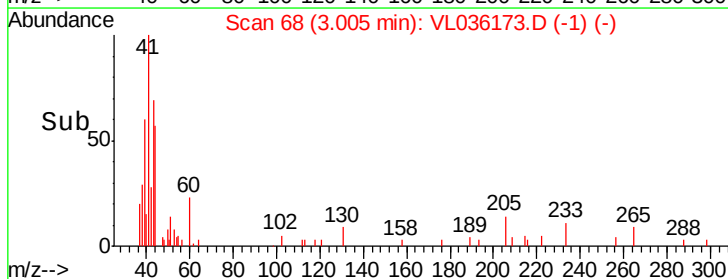
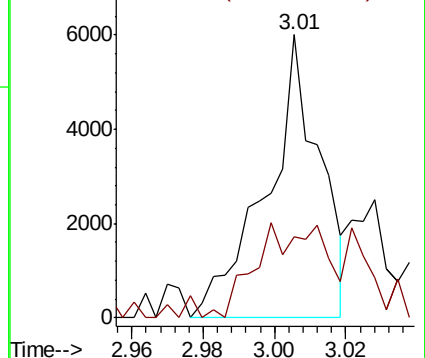
41 100

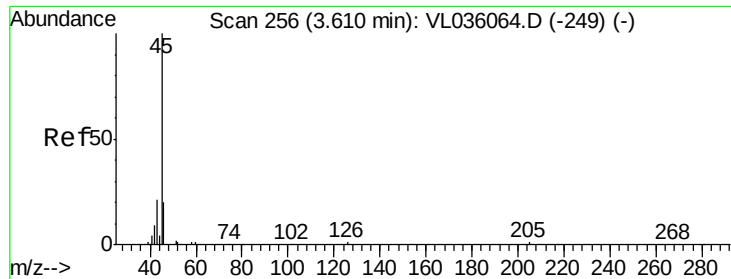
42 70.9 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

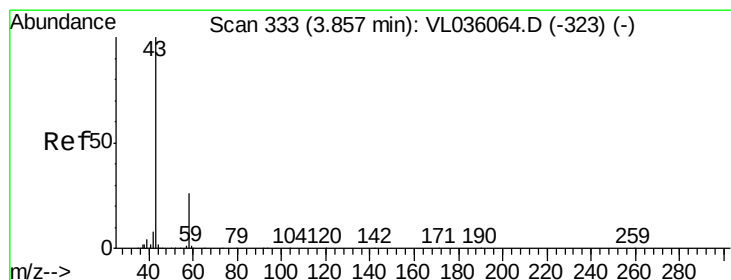
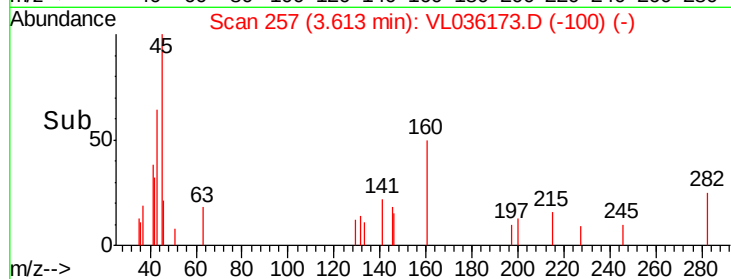
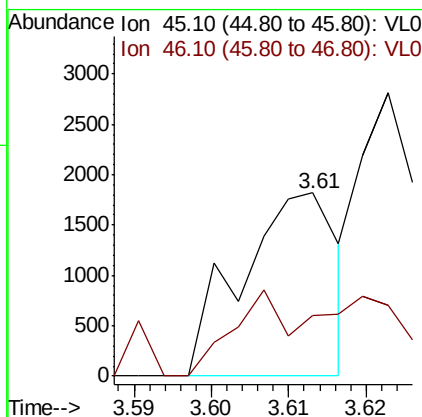
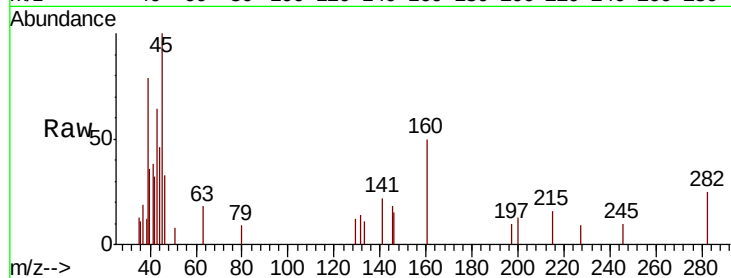




#13
Ethanol
Concen: 0.141 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL036173.D
Acq: 16 Dec 2020 19:15

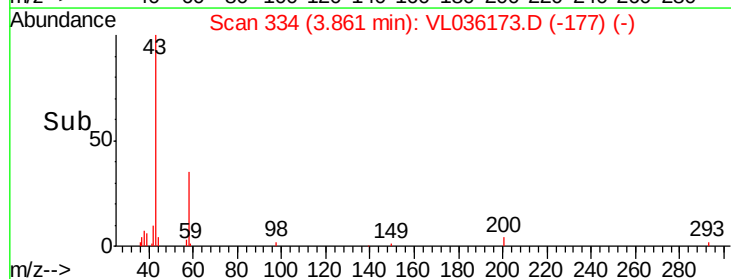
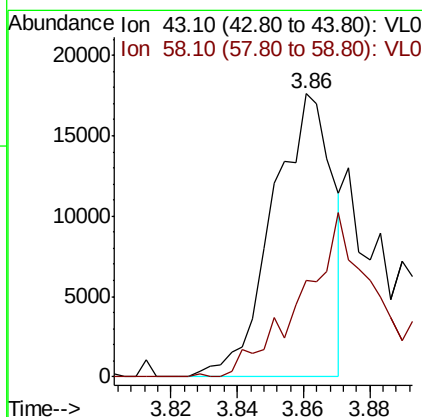
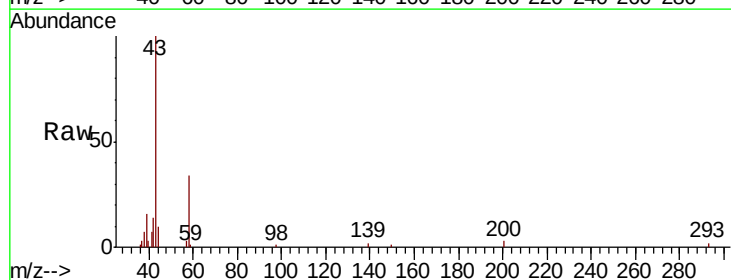
Instrument :
MSVOA_L
ClientSampleId :

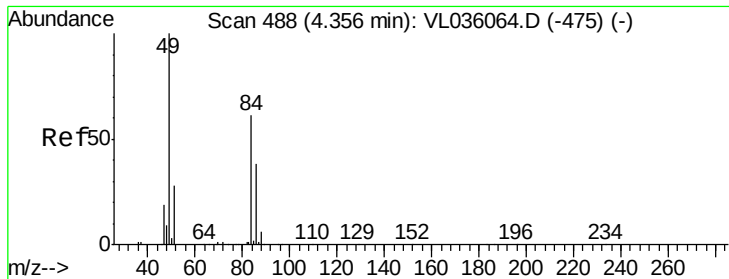
Tot Ion: 45 Resp: 1569
Ion Ratio Lower Upper
45 100
46 0.0 19.0 75.8#



#15
Acetone
Concen: 0.131 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL036173.D
Acq: 16 Dec 2020 19:15

Tgt Ion: 43 Resp: 22227
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#

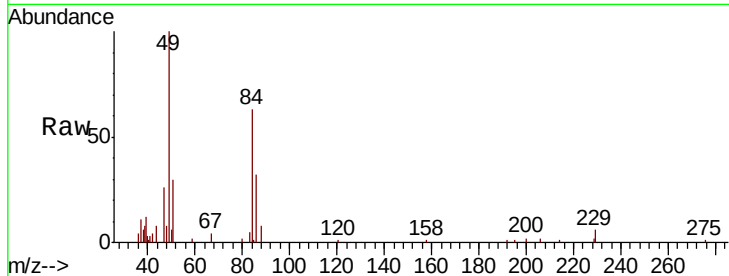




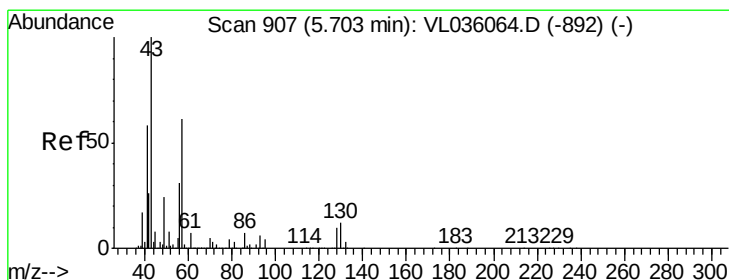
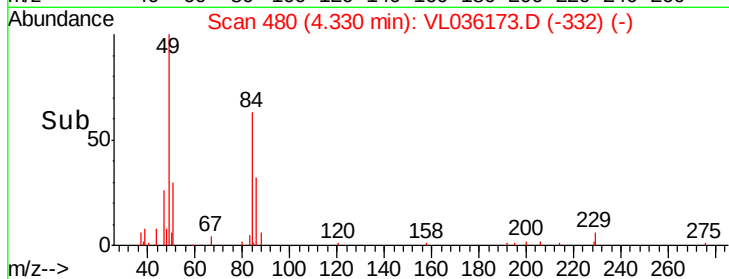
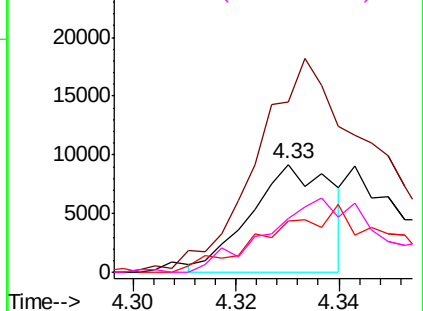
#20
Methvlene Chloride
Concen: 0.144 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.03 min
Lab File: VL036173.D
Acq: 16 Dec 2020 19:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	84.00	Resp:	10022
Ion	Ratio	Lower	Upper
84	100		
49	148.3	133.0	199.4
51	44.1	38.9	58.3
86	54.1	48.8	73.2

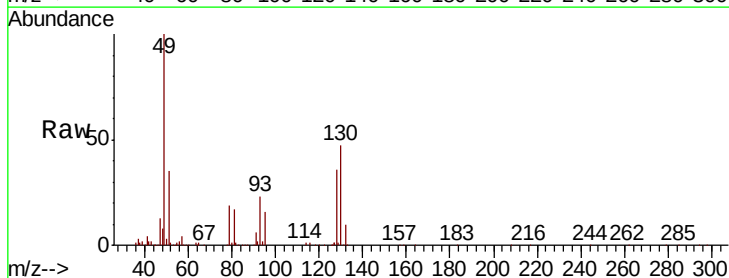


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

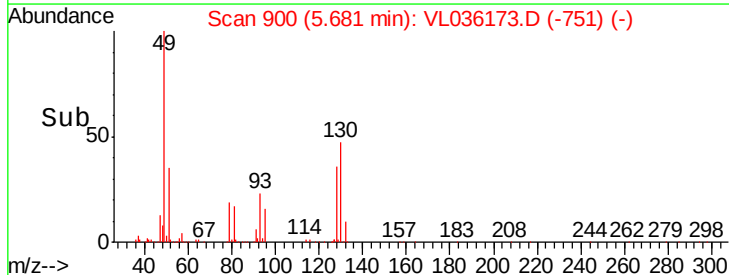
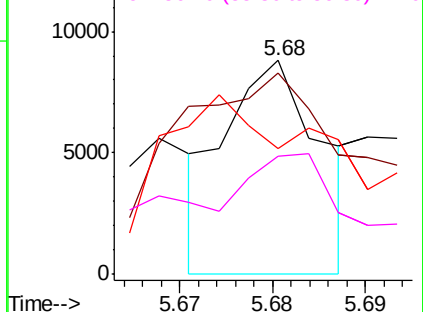


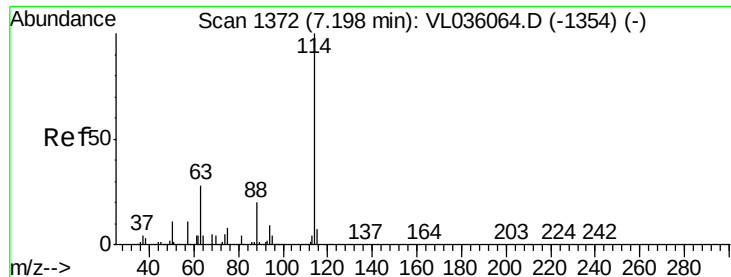
#26
Hexane
Concen: 0.041 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.02 min
Lab File: VL036173.D
Acq: 16 Dec 2020 19:15

Tgt Ion	57.10	Resp:	6265
Ion	Ratio	Lower	Upper
57	100		
41	275.5	82.9	124.3#
43	220.6	199.9	299.9
56	142.5	43.1	64.7#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

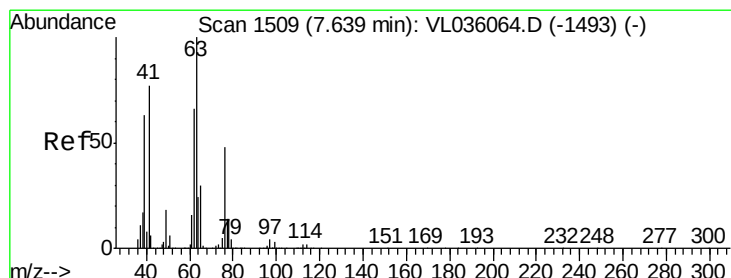
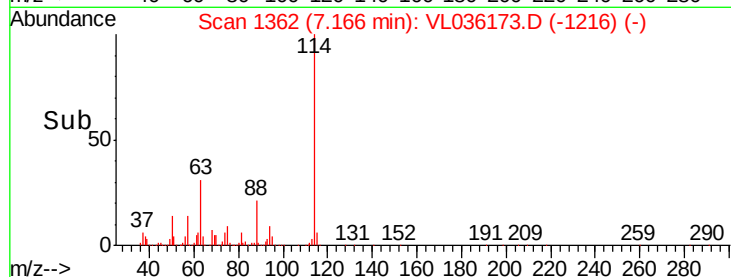
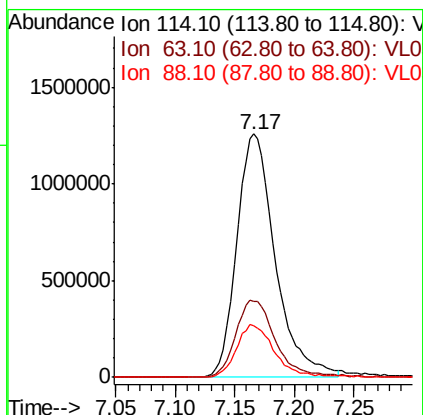
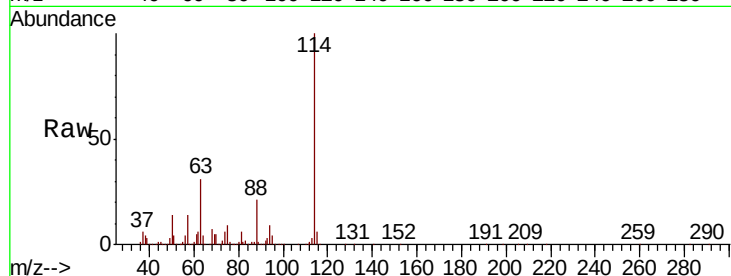




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.03 min
 Lab File: VL036173.D
 Acq: 16 Dec 2020 19:15

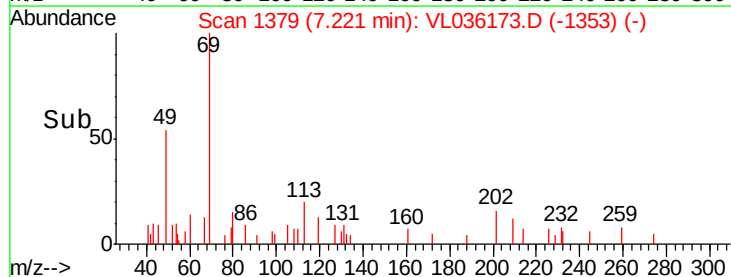
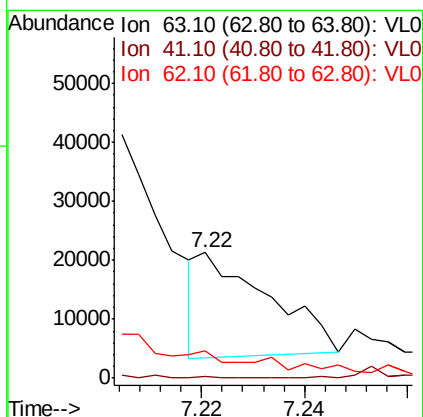
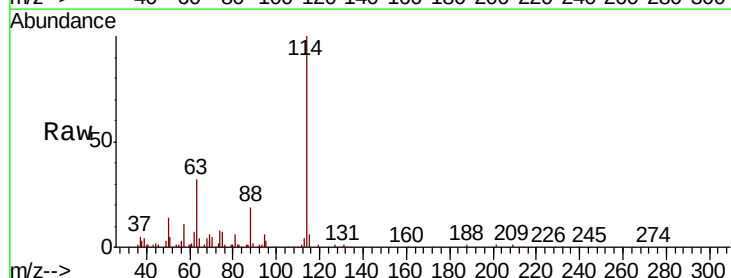
Instrument :
 MSVOA_L
 ClientSampleId :

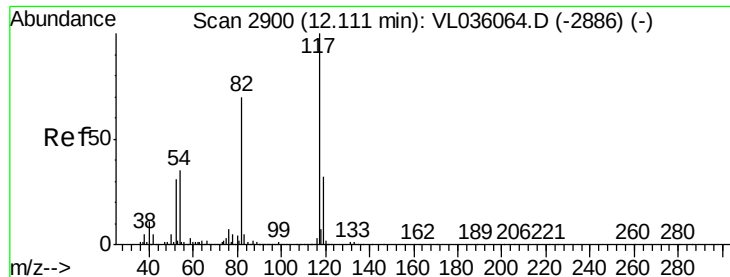
Tot Ion:114 Resp: 2818363
 Ion Ratio Lower Upper
 114 100
 63 33.2 23.6 35.4
 88 21.7 15.8 23.6



#39
 1,2-Dichloropropane
 Concen: 0.176 ppbv
 RT: 7.22 min Scan# 1379
 Delta R.T. -0.42 min
 Lab File: VL036173.D
 Acq: 16 Dec 2020 19:15

Tgt Ion: 63 Resp: 16586
 Ion Ratio Lower Upper
 63 100
 41 2.0 61.9 92.9#
 62 13.5 52.5 78.7#

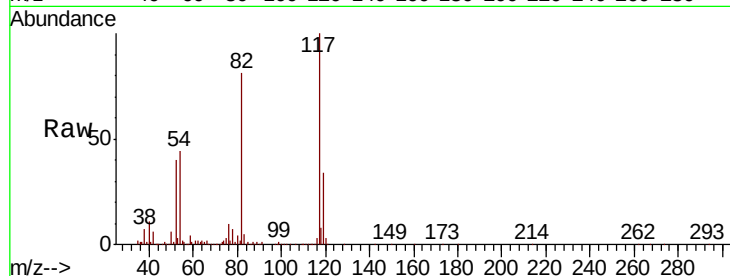




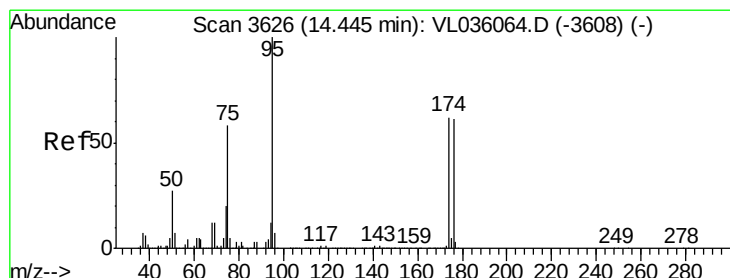
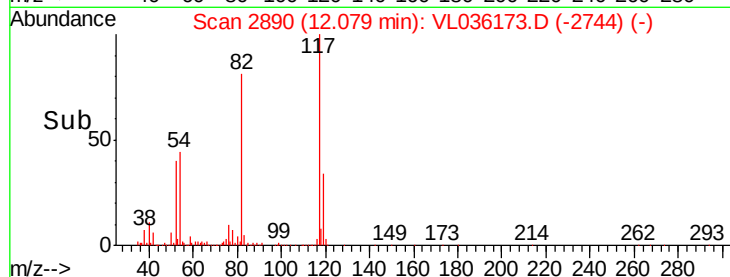
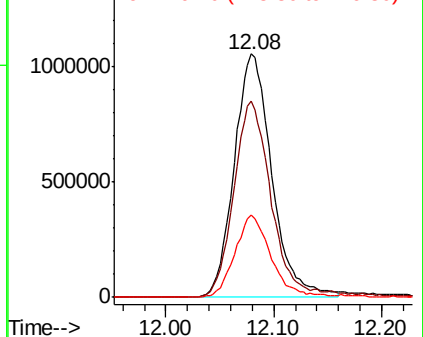
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.03 min
Lab File: VL036173.D
Acq: 16 Dec 2020 19:15

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 2567457
Ion Ratio Lower Upper
117 100
82 81.8 0.0 0.0#
119 33.5 0.0 0.0#

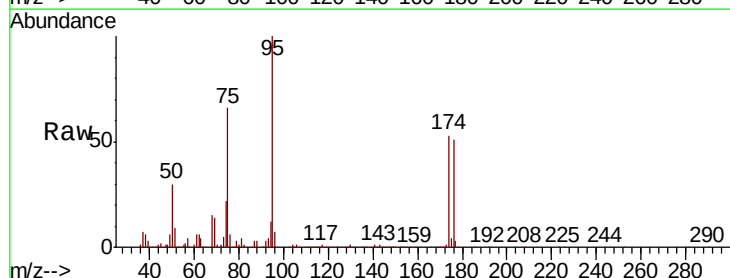


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.855 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.04 min
Lab File: VL036173.D
Acq: 16 Dec 2020 19:15

Tgt Ion: 95 Resp: 2212891
Ion Ratio Lower Upper
95 100
174 56.9 50.7 76.1
175 4.0 4.0 6.0



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

