

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036629.D
 Acq On : 1 Apr 2021 12:55
 Operator : SY/AP
 Sample : OC033121 CAN 10598
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 02 01:22:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1506322	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3555422	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3084850	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2362896	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

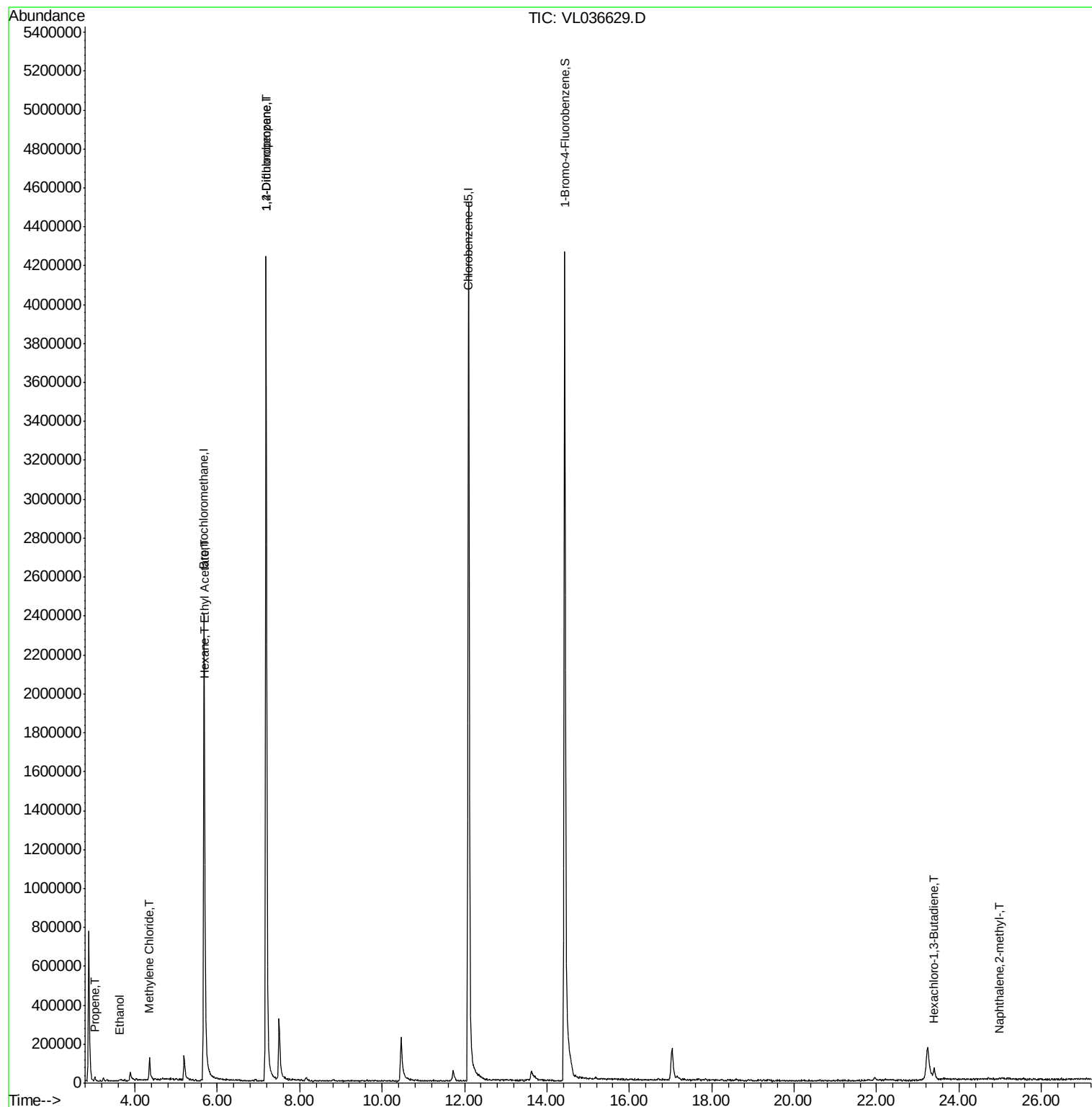
Target Compounds					Ovalue
9) Propene	3.02	41	5314	0.059 ppbv	86
13) Ethanol	3.62	45	429	0.040 ppbv #	34
20) Methylene Chloride	4.35	84	17130	0.247 ppbv	96
25) Ethyl Acetate	5.69	43	7722	0.022 ppbv #	78
26) Hexane	5.70	57	20992	0.128 ppbv #	44
39) 1,2-Dichloropropane	7.19	63	962321	7.235 ppbv #	23
78) Hexachloro-1,3-Butadiene	23.40	225	8704	0.044 ppbv #	18
80) Naphthalene,2-methyl-	24.99	142	2837	0.060 ppbv #	75

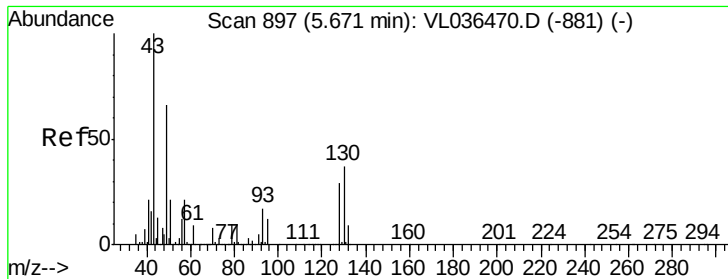
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 25 09:42:40 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL036629.D

Acq: 1 Apr 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

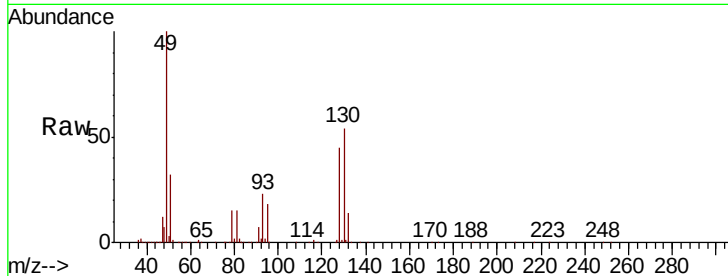
Tot Ion: 49 Resp: 1506322

Ion Ratio Lower Upper

49 100

128 44.9 23.5 70.6

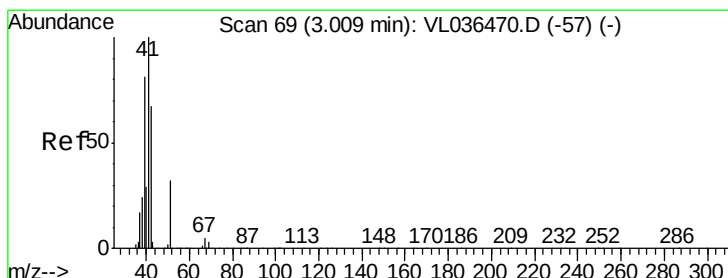
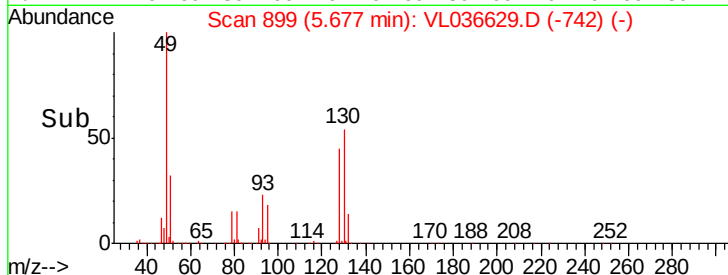
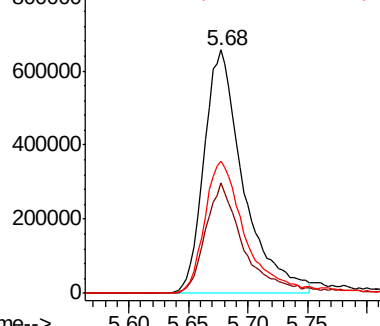
130 58.1 29.1 87.4



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: 0.059 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL036629.D

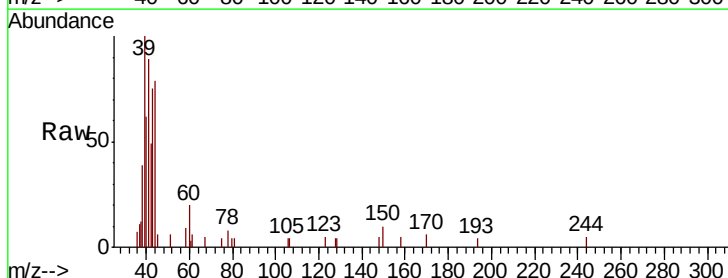
Acq: 1 Apr 2021 12:55

Tgt Ion: 41 Resp: 5314

Ion Ratio Lower Upper

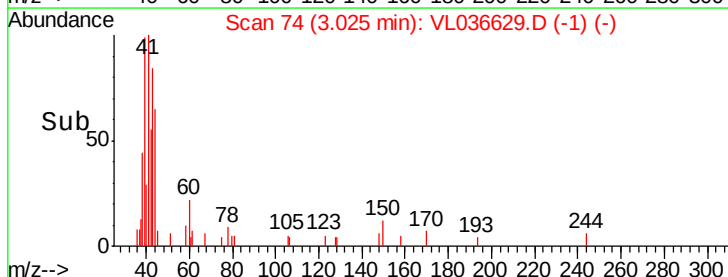
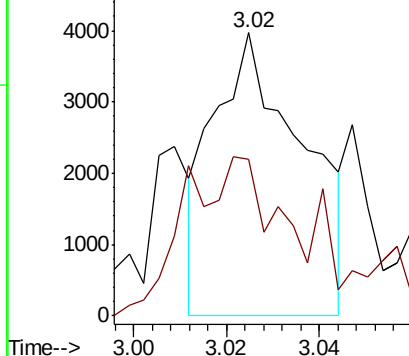
41 100

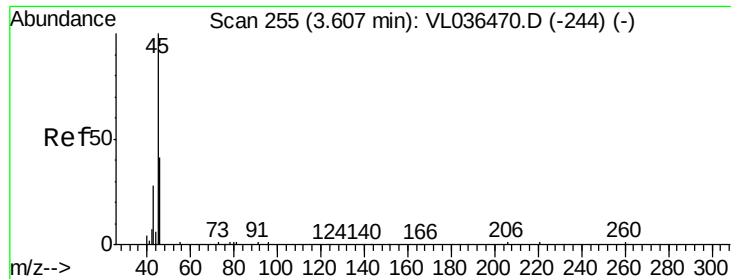
42 83.2 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

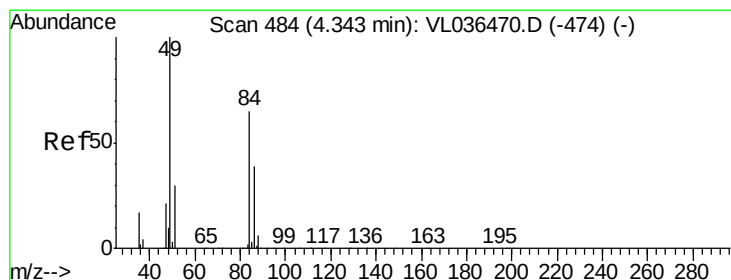
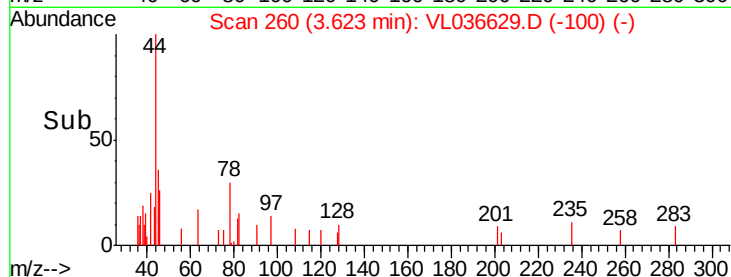
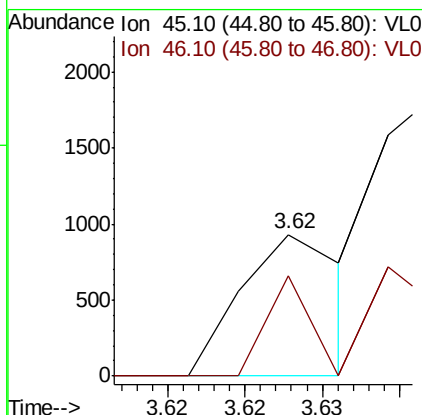
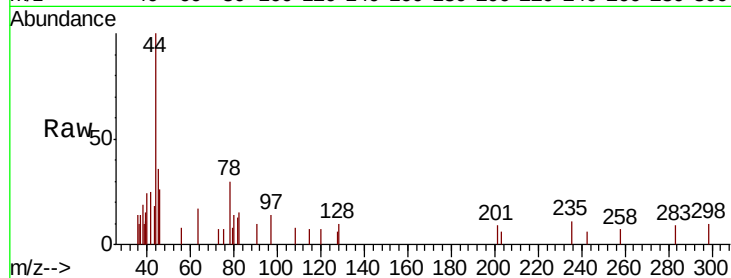




#13
 Ethanol
 Concen: 0.040 ppbv
 RT: 3.62 min Scan# 260
 Delta R.T. 0.02 min
 Lab File: VL036629.D
 Acq: 1 Apr 2021 12:55

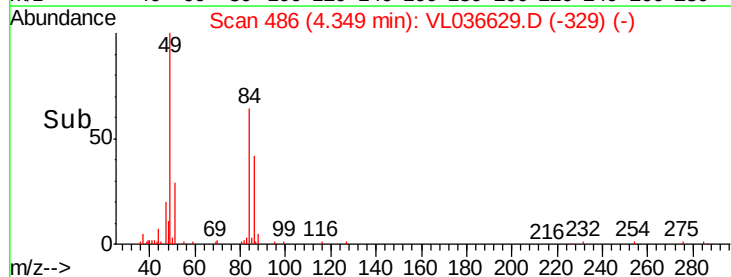
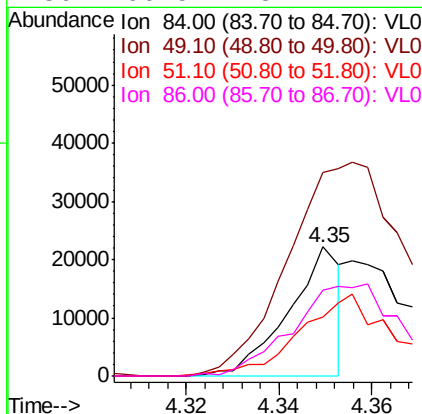
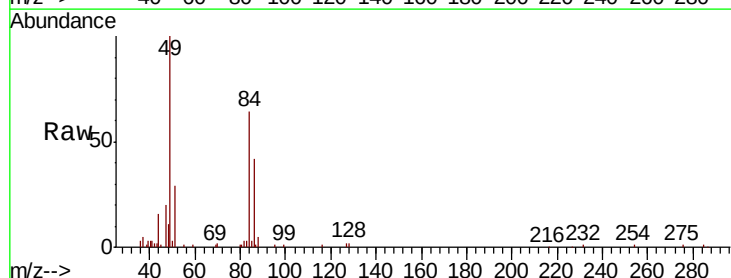
Instrument :
 MSVOA_L
 ClientSampleId :

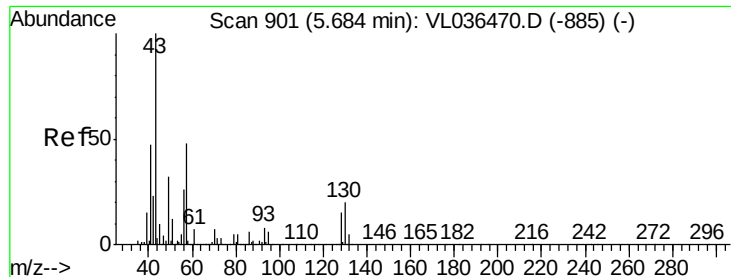
Tot Ion: 45 Resp: 429
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.6 66.2#



#20
 Methylene Chloride
 Concen: 0.247 ppbv
 RT: 4.35 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VL036629.D
 Acq: 1 Apr 2021 12:55

Tgt Ion: 84 Resp: 17130
 Ion Ratio Lower Upper
 84 100
 49 157.2 122.9 184.3
 51 44.0 36.9 55.3
 86 66.5 48.2 72.4





#25

Ethyl Acetate

Concen: 0.022 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL036629.D

Acq: 1 Apr 2021 12:55

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 7722

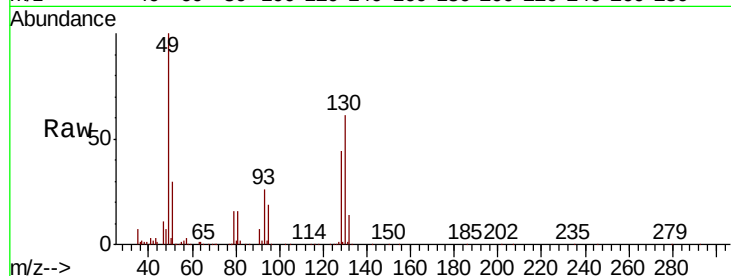
Ion Ratio Lower Upper

43 100

45 0.0 7.9 11.9#

61 2.0 7.4 11.2#

70 0.0 5.1 7.7#

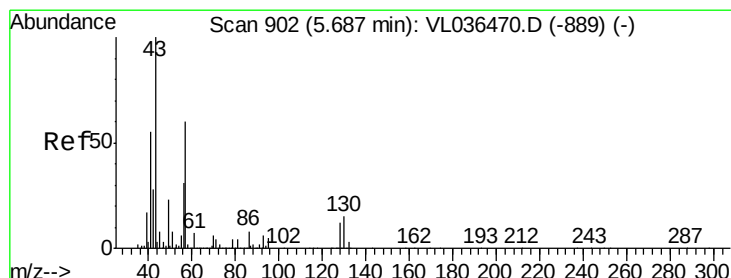
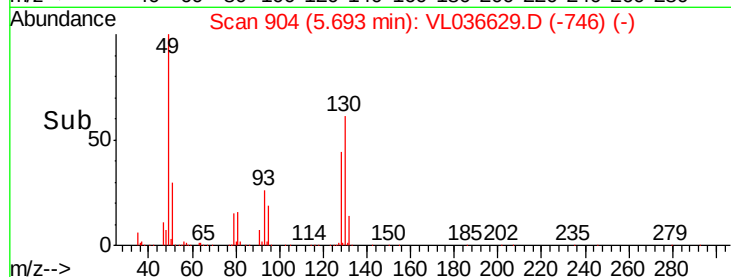
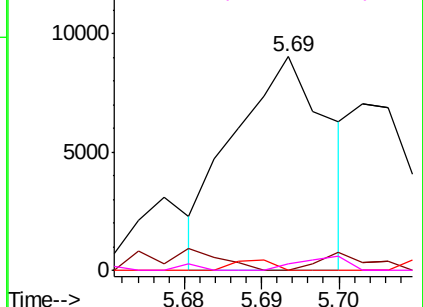


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.128 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL036629.D

Acq: 1 Apr 2021 12:55

Tgt Ion: 57 Resp: 20992

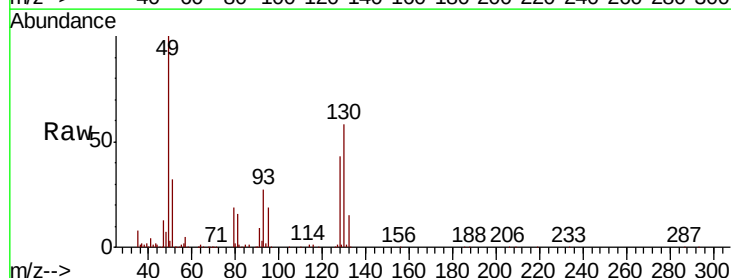
Ion Ratio Lower Upper

57 100

41 114.5 77.2 115.8

43 86.9 173.8 260.6#

56 69.0 43.8 65.6#

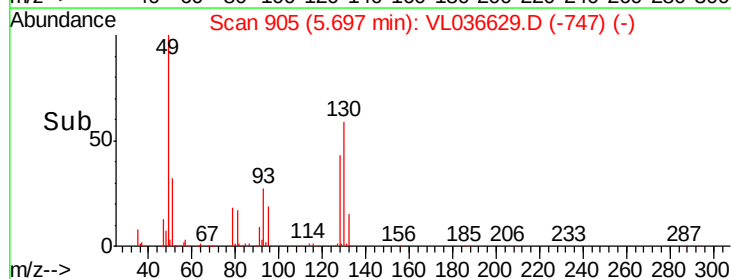
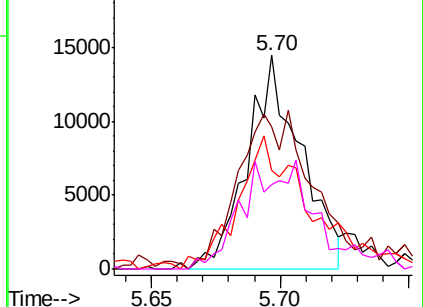


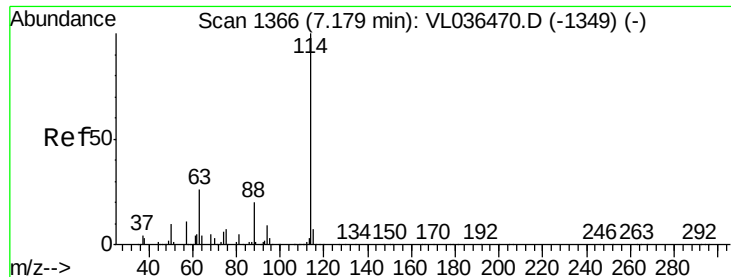
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

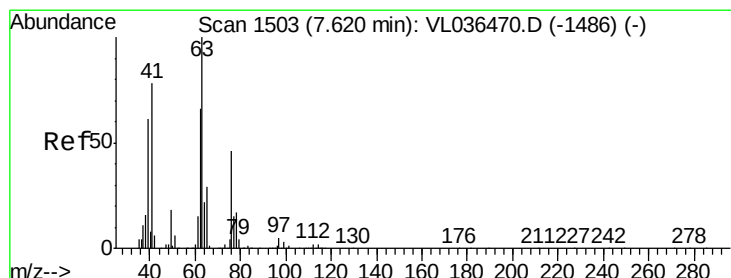
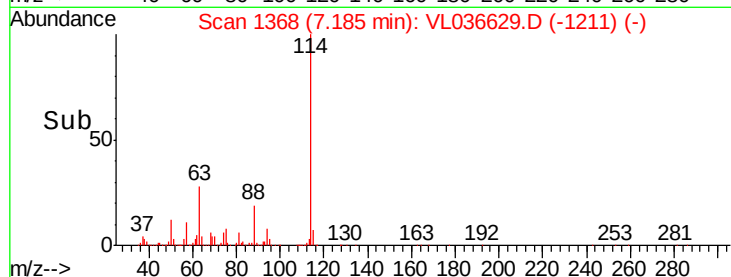
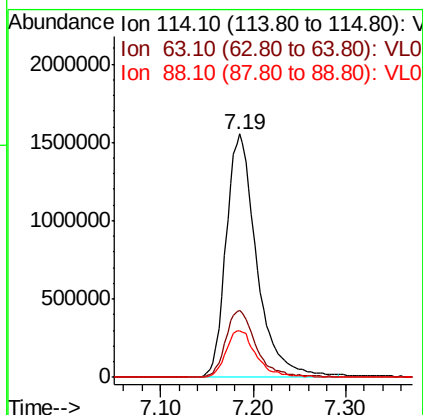
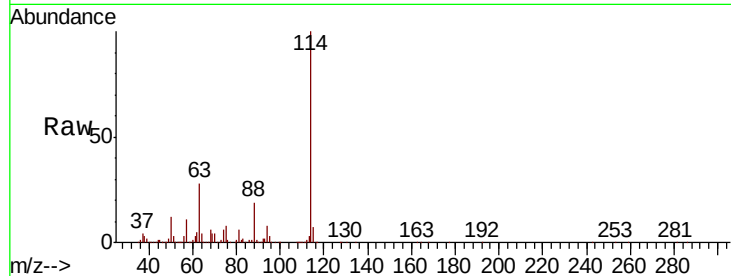




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL036629.D
 Acq: 1 Apr 2021 12:55

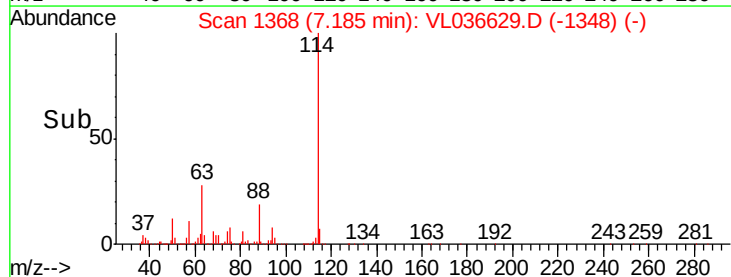
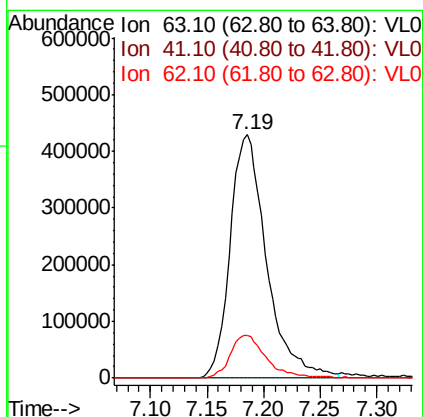
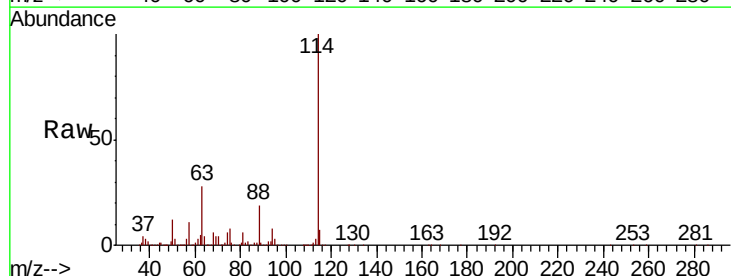
Instrument :
 MSVOA_L
 ClientSampleId :

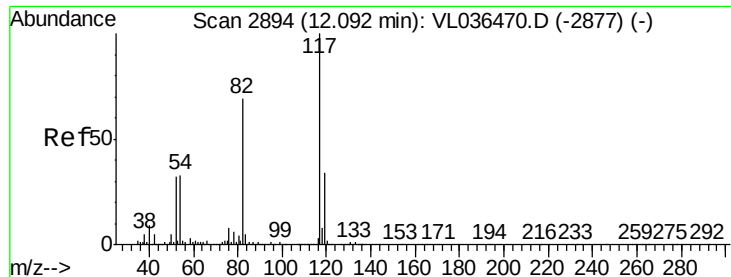
Tot Ion:114 Resp: 3555422
 Ion Ratio Lower Upper
 114 100
 63 27.8 22.4 33.6
 88 19.3 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 7.235 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.43 min
 Lab File: VL036629.D
 Acq: 1 Apr 2021 12:55

Tgt Ion: 63 Resp: 962321
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 17.3 52.8 79.2#

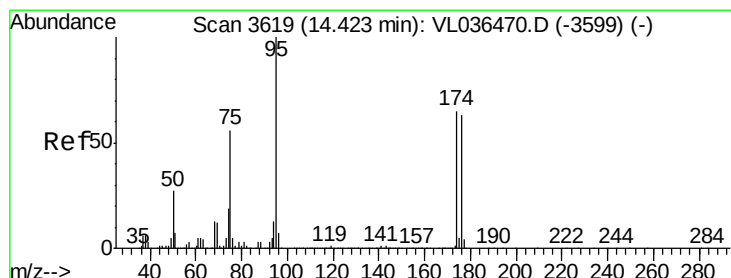
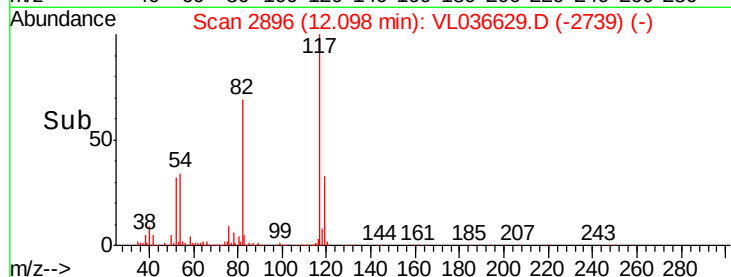
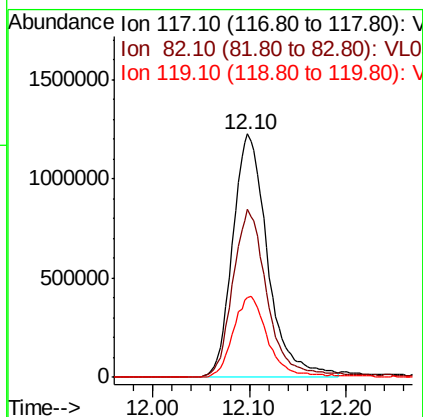
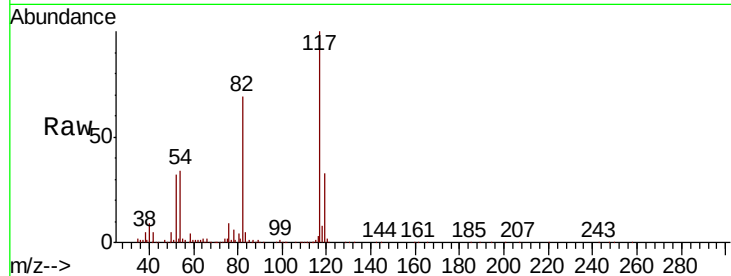




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.01 min
Lab File: VL036629.D
Acq: 1 Apr 2021 12:55

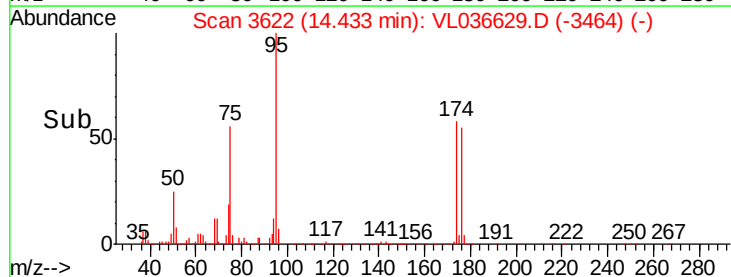
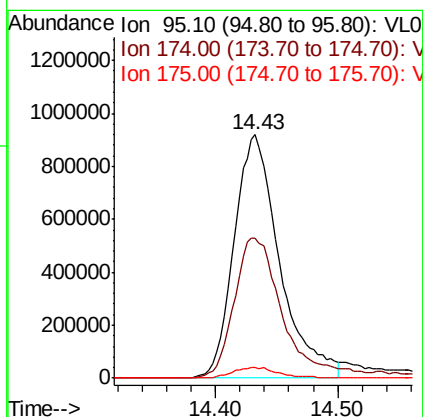
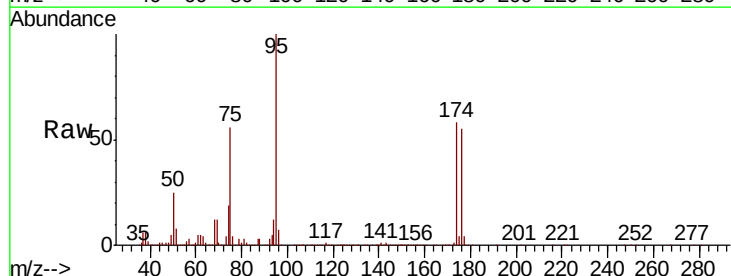
Instrument :
MSVOA_L
ClientSampleId :

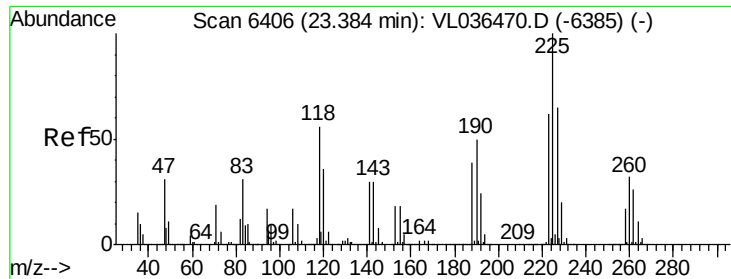
Tot Ion:117 Resp: 3084850
Ion Ratio Lower Upper
117 100
82 70.1 57.4 86.0
119 33.7 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.611 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. 0.01 min
Lab File: VL036629.D
Acq: 1 Apr 2021 12:55

Tgt Ion: 95 Resp: 2362896
Ion Ratio Lower Upper
95 100
174 65.7 51.0 76.6
175 4.5 3.9 5.9

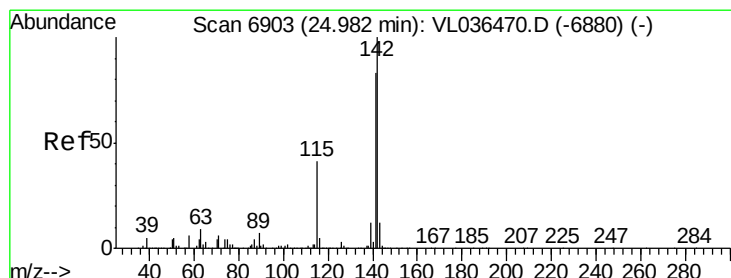
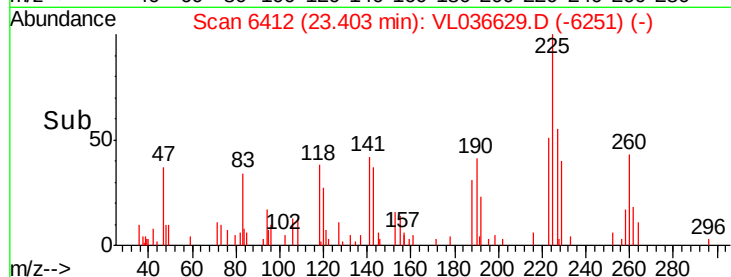
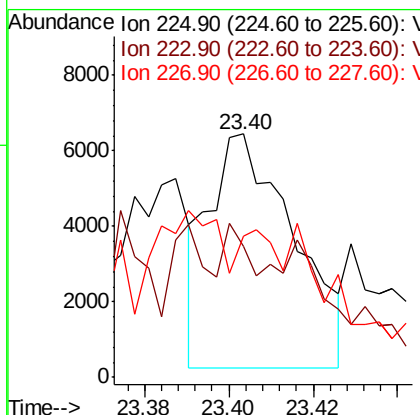
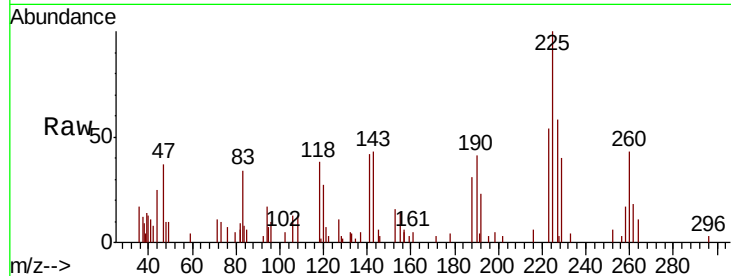




#78
 Hexachloro-1,3-Butadiene
 Concen: 0.044 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. 0.02 min
 Lab File: VL036629.D
 Acq: 1 Apr 2021 12:55

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:225 Resp: 8704
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.6 75.8#
 227 0.0 52.2 78.2#



#80
 Naphthalene, 2-methyl-
 Concen: 0.060 ppbv
 RT: 24.99 min Scan# 6905
 Delta R.T. 0.01 min
 Lab File: VL036629.D
 Acq: 1 Apr 2021 12:55

Tgt Ion:142 Resp: 2837
 Ion Ratio Lower Upper
 142 100
 141 110.8 67.8 101.8#
 115 54.8 34.0 51.0#

