

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037284.D
 Acq On : 27 Jul 2021 5:46
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 07:14:21 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 06:38:44 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1276126	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3643402	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3212889	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2375852	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

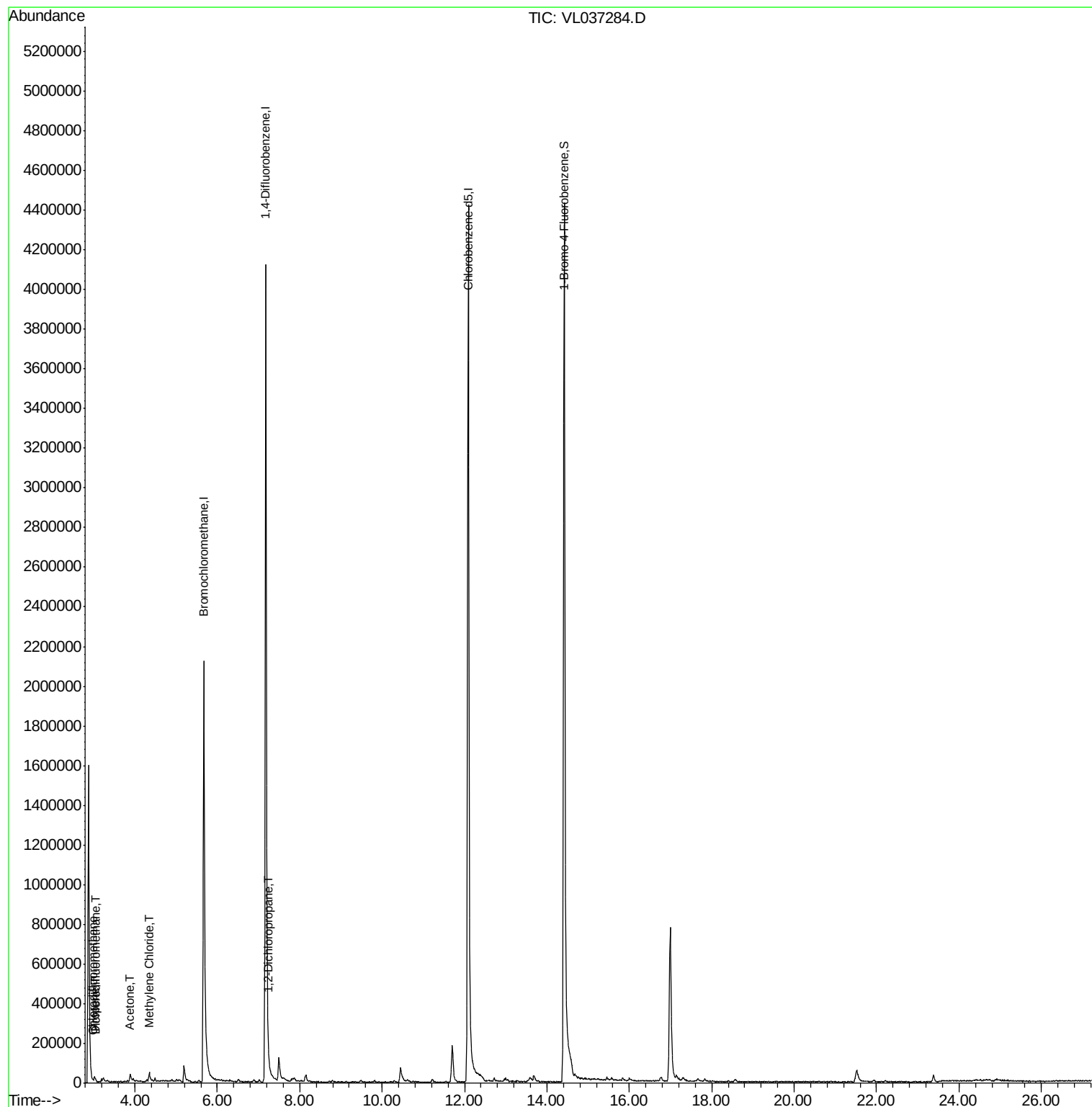
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	9227	0.041	ppbv #	76
3) Chlorodifluoromethane	2.98	51	9395	0.038	ppbv	93
9) Propene	3.02	41	9500	0.119	ppbv	91
15) Acetone	3.87	43	10644	0.072	ppbv #	47
20) Methylene Chloride	4.34	84	17088	0.195	ppbv	95
39) 1,2-Dichloropropane	7.24	63	11149	0.101	ppbv #	19

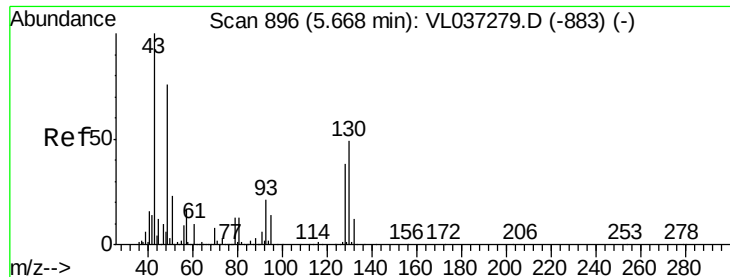
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL037284.D

Acq: 27 Jul 2021 5:46

Instrument :

MSVOA_L

ClientSampleId :

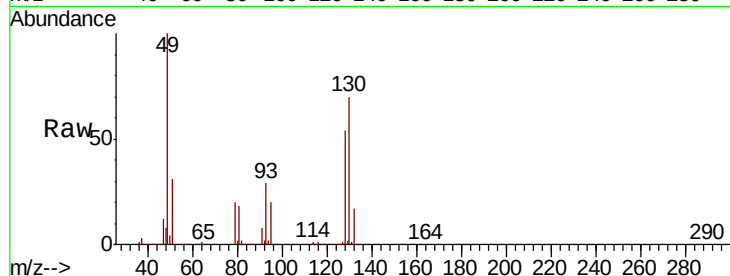
Tot Ion: 49 Resp: 1276126

Ion Ratio Lower Upper

49 100

128 56.5 28.4 85.2

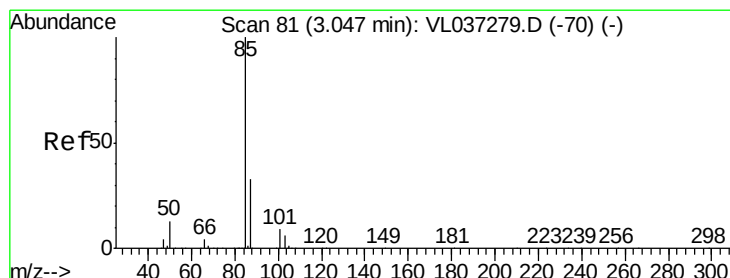
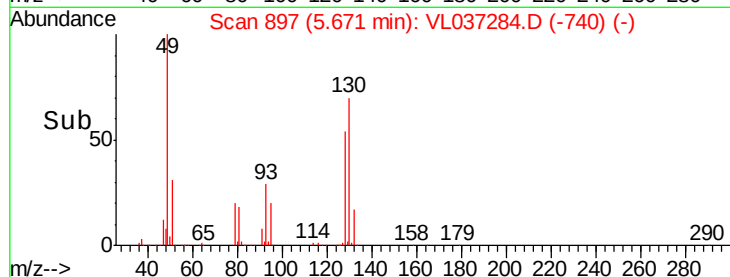
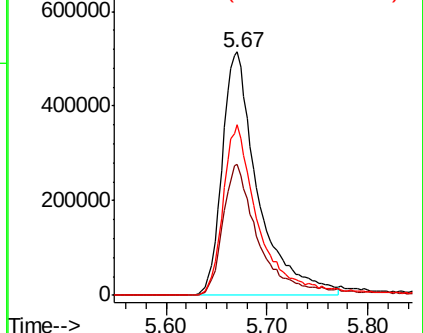
130 71.2 34.8 104.5



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



#2

Dichlorodifluoromethane

Concen: 0.041 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037284.D

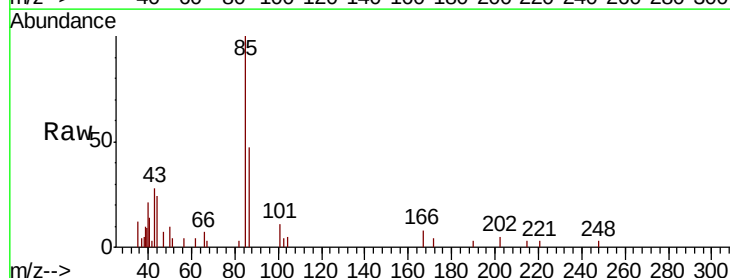
Acq: 27 Jul 2021 5:46

Tgt Ion: 85 Resp: 9227

Ion Ratio Lower Upper

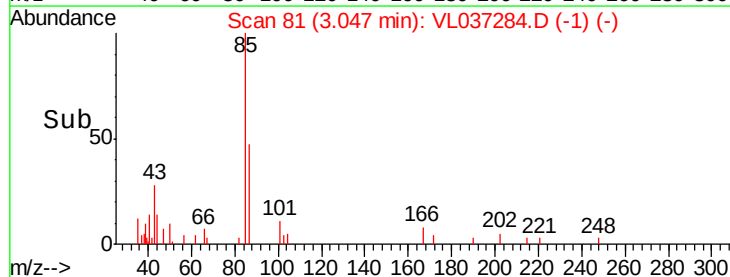
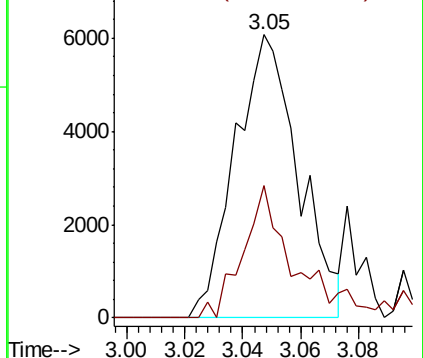
85 100

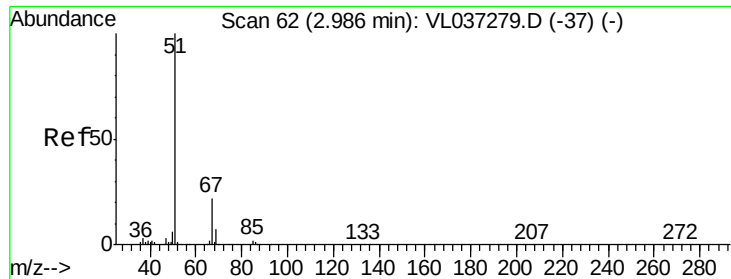
87 46.7 26.6 39.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

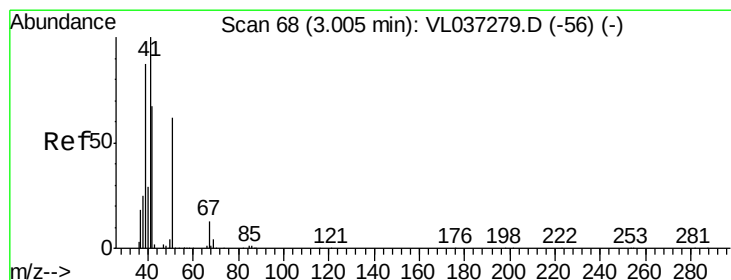
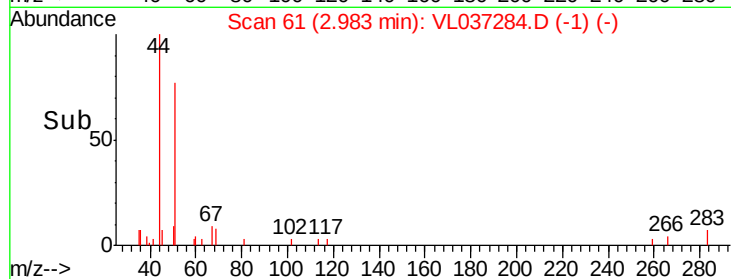
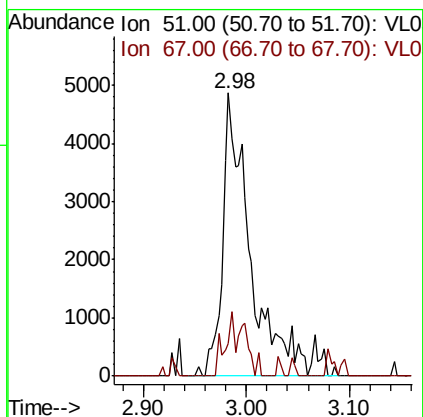
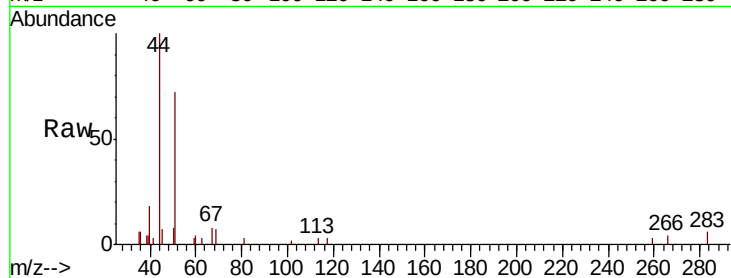




#3
Chlorodifluoromethane
Concen: 0.038 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL037284.D
Acq: 27 Jul 2021 5:46

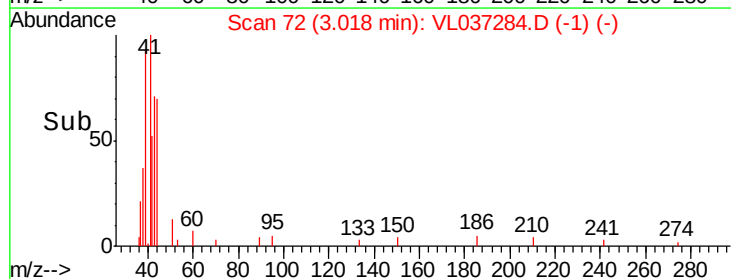
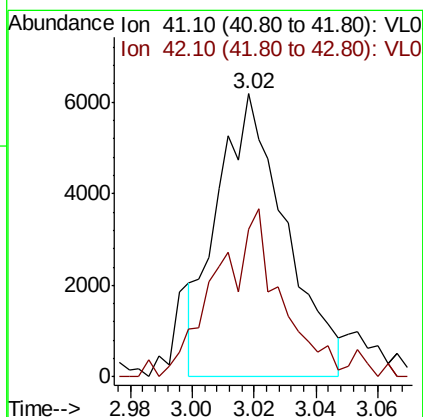
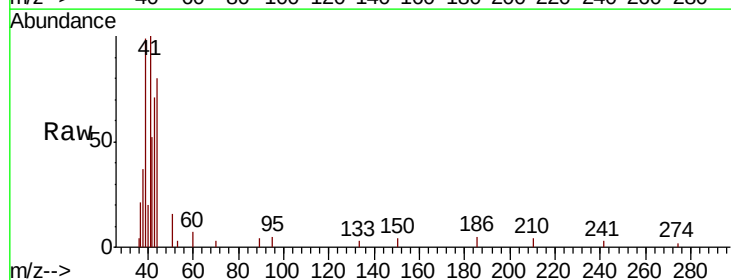
Instrument :
MSVOA_L
ClientSampleId :

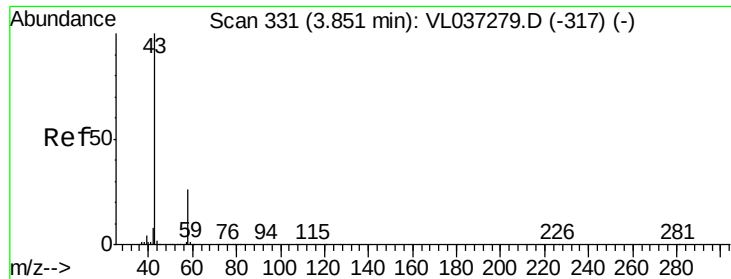
Tot Ion: 51 Resp: 9395
Ion Ratio Lower Upper
51 100
67 17.1 16.2 24.4



#9
Propene
Concen: 0.119 ppbv
RT: 3.02 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL037284.D
Acq: 27 Jul 2021 5:46

Tgt Ion: 41 Resp: 9500
Ion Ratio Lower Upper
41 100
42 59.6 53.4 80.2





#15

Acetone

Concen: 0.072 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL037284.D

Acq: 27 Jul 2021 5:46

Instrument :

MSVOA_L

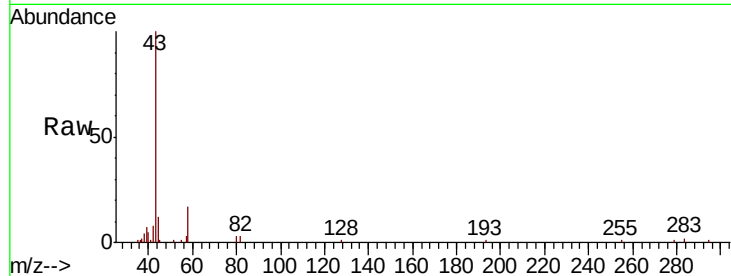
ClientSampleId :

Tot Ion: 43 Resp: 10644

Ion Ratio Lower Upper

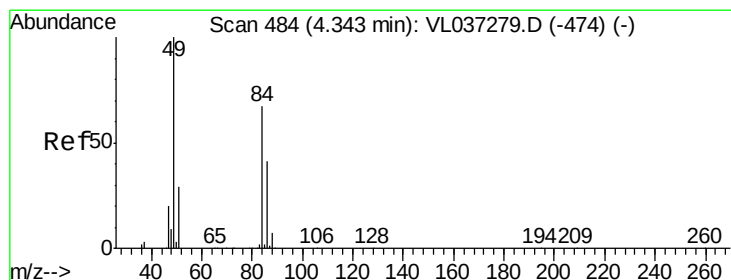
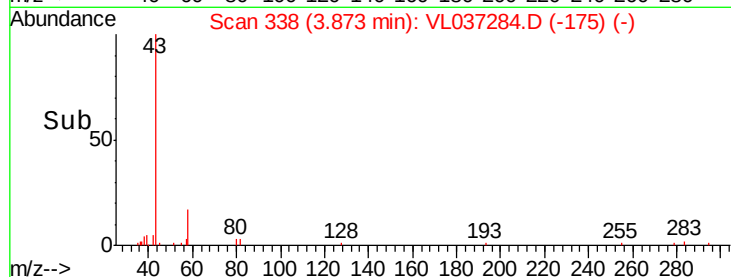
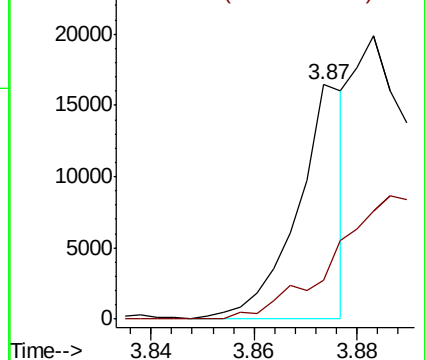
43 100

58 0.0 22.3 33.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.195 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL037284.D

Acq: 27 Jul 2021 5:46

Tgt Ion: 84 Resp: 17088

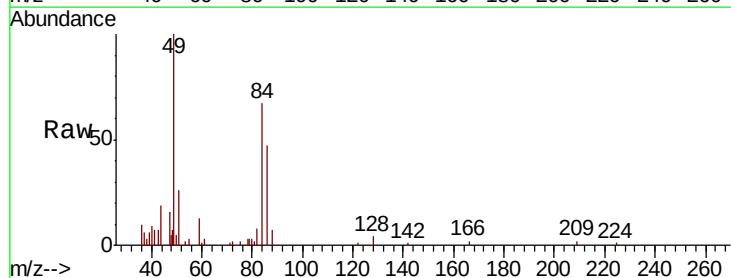
Ion Ratio Lower Upper

84 100

49 149.5 119.0 178.6

51 36.7 35.0 52.4

86 70.2 49.0 73.6

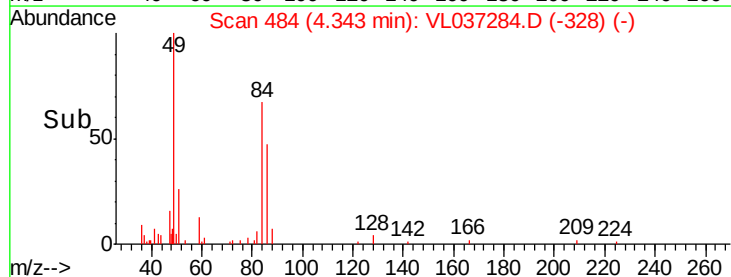
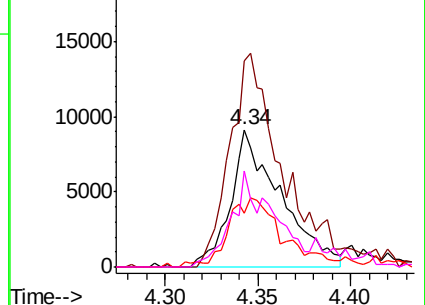


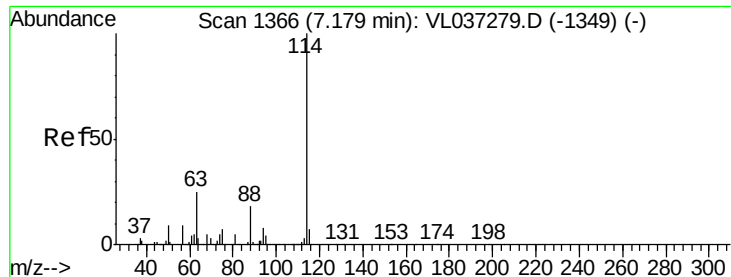
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

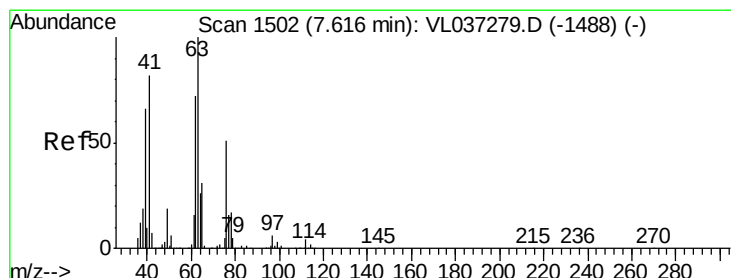
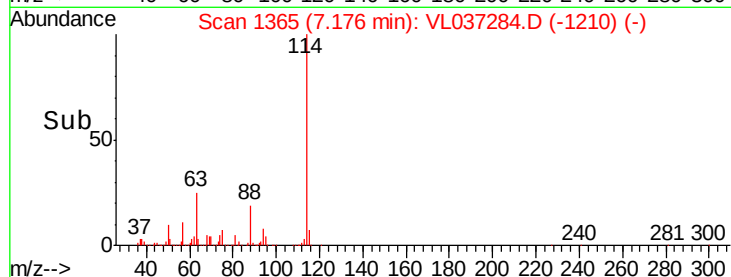
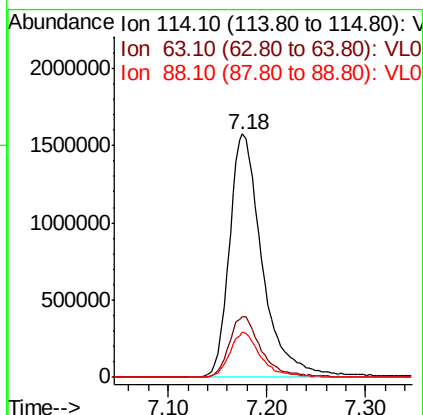
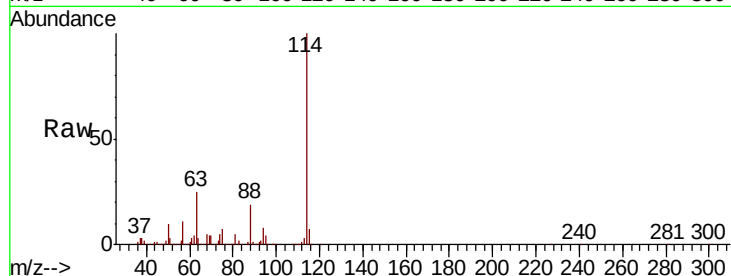




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL037284.D
 Acq: 27 Jul 2021 5:46

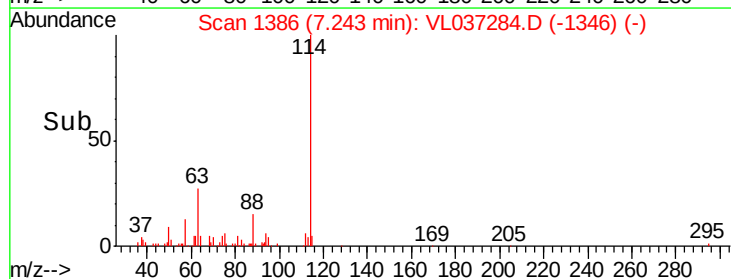
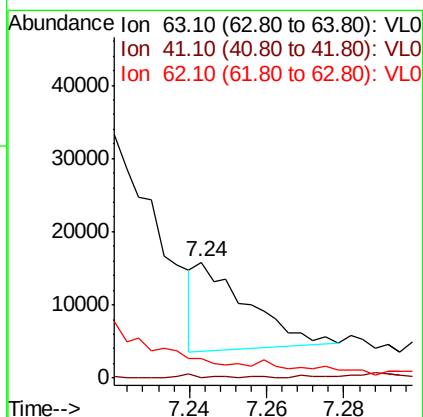
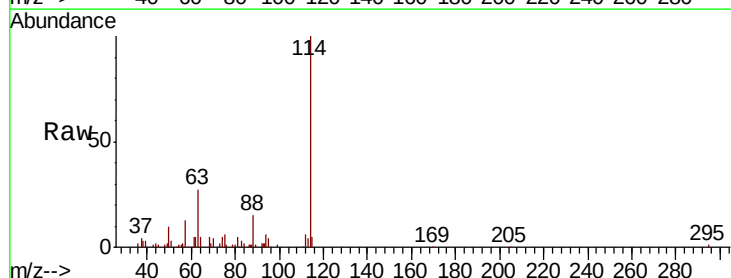
Instrument :
 MSVOA_L
 ClientSampleId :

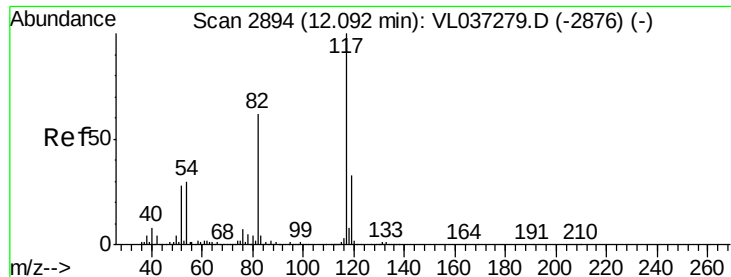
Tot Ion:114 Resp: 3643402
 Ion Ratio Lower Upper
 114 100
 63 25.0 20.2 30.2
 88 18.0 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 0.101 ppbv
 RT: 7.24 min Scan# 1386
 Delta R.T. -0.37 min
 Lab File: VL037284.D
 Acq: 27 Jul 2021 5:46

Tgt Ion: 63 Resp: 11149
 Ion Ratio Lower Upper
 63 100
 41 0.0 65.6 98.4#
 62 15.2 57.9 86.9#

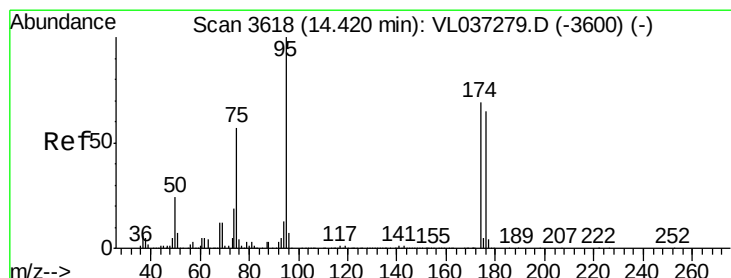
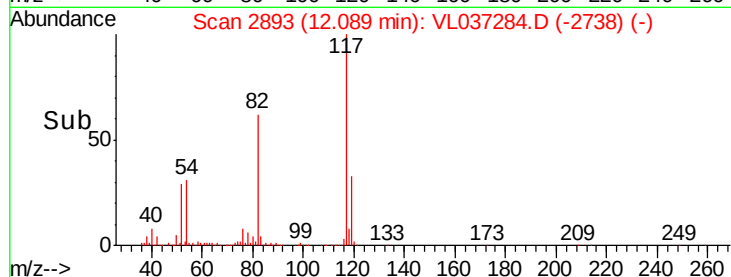
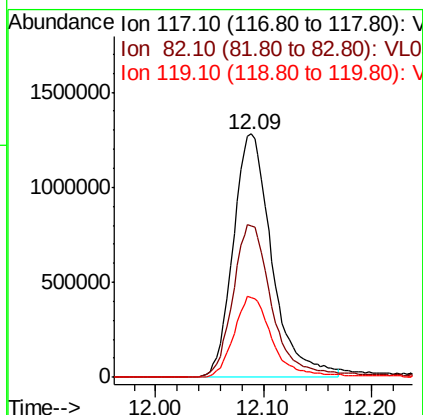
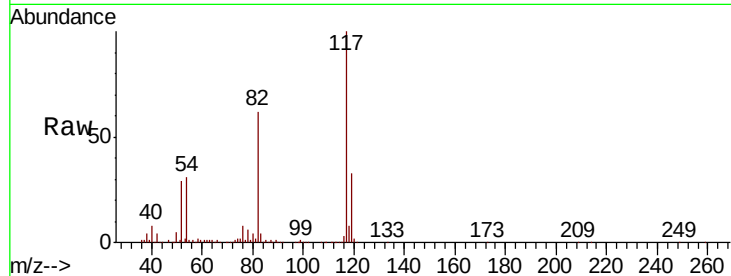




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL037284.D
Acq: 27 Jul 2021 5:46

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3212889
Ion Ratio Lower Upper
117 100
82 66.2 52.3 78.5
119 34.3 26.5 39.7



#68
1-Bromo-4-Fluorobenzene
Concen: 9.764 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.00 min
Lab File: VL037284.D
Acq: 27 Jul 2021 5:46

Tgt Ion: 95 Resp: 2375852
Ion Ratio Lower Upper
95 100
174 74.7 56.3 84.5
175 5.1 4.3 6.5

