

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037919.D
 Acq On : 27 Oct 2021 17:01
 Operator : SY/AP
 Sample : M4377-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VMP-5-MANIFOLDDL

Quant Time: Oct 28 05:18:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1418372	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	4037483	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3453222	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2331567	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

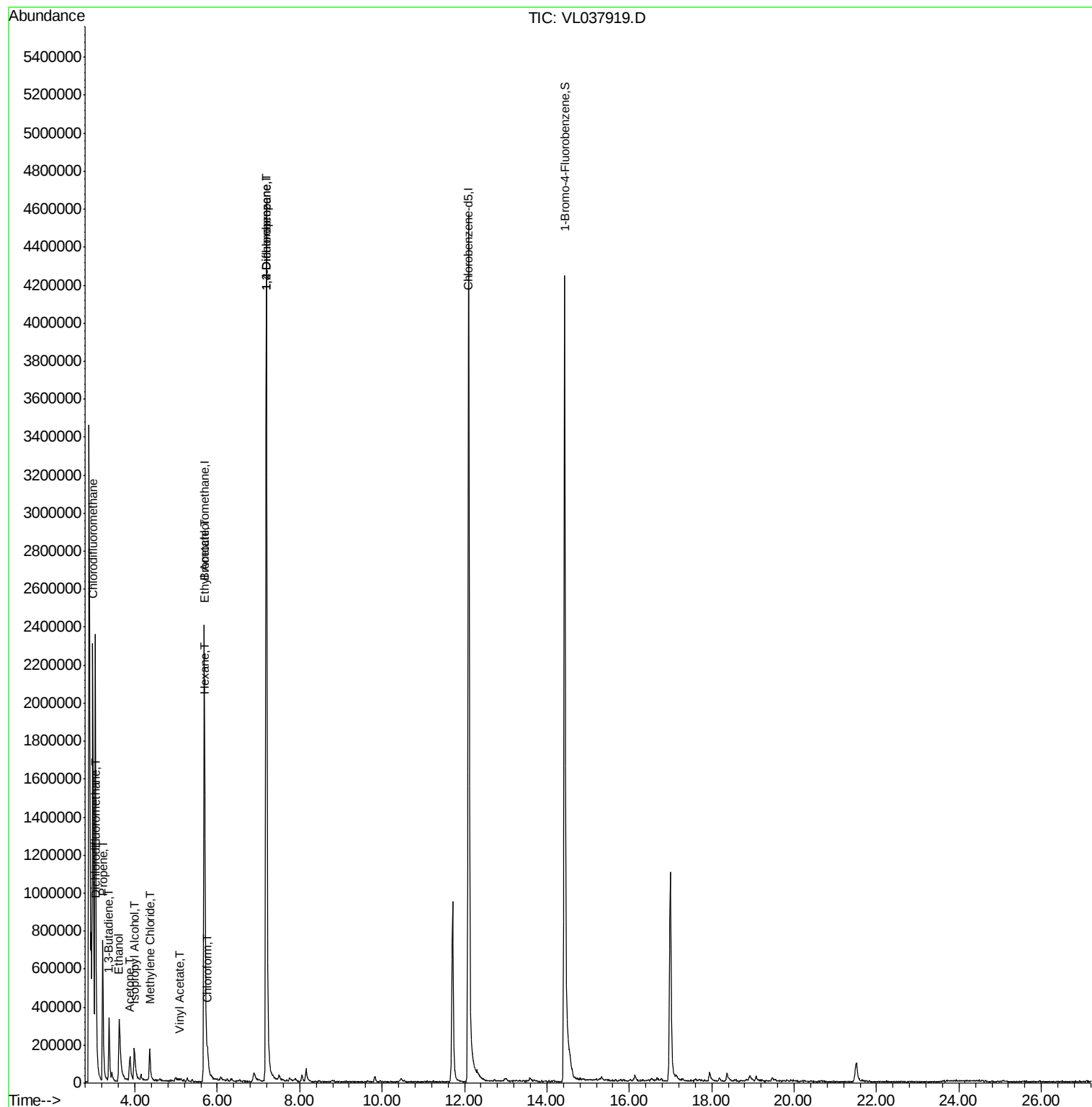
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	9516	0.042	ppbv #	83
3) Chlorodifluoromethane	2.98	51	2035708	7.470	ppbv #	61
9) Propene	3.22	41	262447	2.617	ppbv	94
13) Ethanol	3.62	45	551996	67.311	ppbv	79
15) Acetone	3.87	43	59038	0.464	ppbv #	21
16) 1,3-Butadiene	3.37	39	17802	0.192	ppbv #	11
19) Isopropyl Alcohol	3.99	45	189774	2.396	ppbv #	87
20) Methylene Chloride	4.36	84	70230	1.092	ppbv	87
23) Vinyl Acetate	5.08	43	6277	0.033	ppbv #	77
25) Ethyl Acetate	5.70	43	20999	0.059	ppbv #	86
26) Hexane	5.70	57	41390	0.235	ppbv #	44
29) Chloroform	5.76	83	58051	0.231	ppbv	97
39) 1,2-Dichloropropane	7.19	63	960131	7.402	ppbv #	28

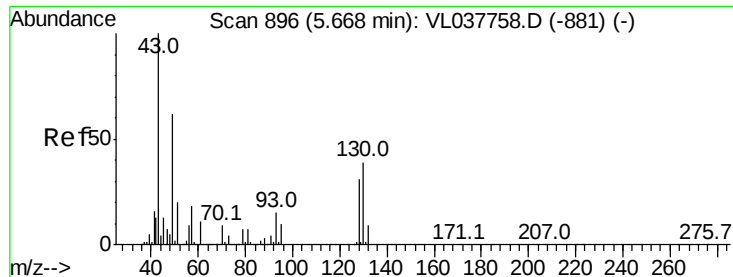
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL102721\
Data File : VL037919.D
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Sample : M4377-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VMP-5-MANIFOLDDL

Quant Time: Oct 28 05:18:37 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Oct 2021 17:01 VMP-5-MANIFOLD.DL

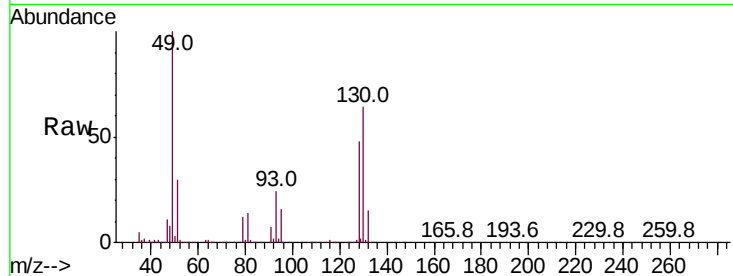
Tot Ion: 49 Resp: 1418372

Ion Ratio Lower Upper

49 100

128 53.2 27.1 81.3

130 67.7 33.2 99.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

800000

600000

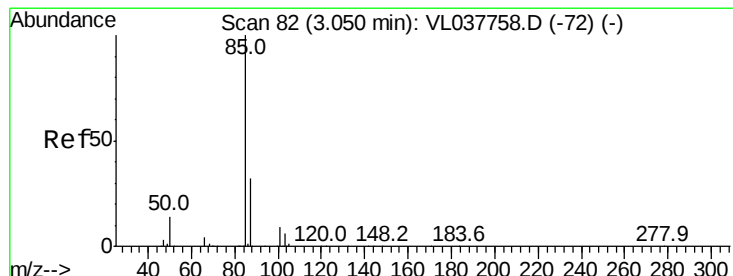
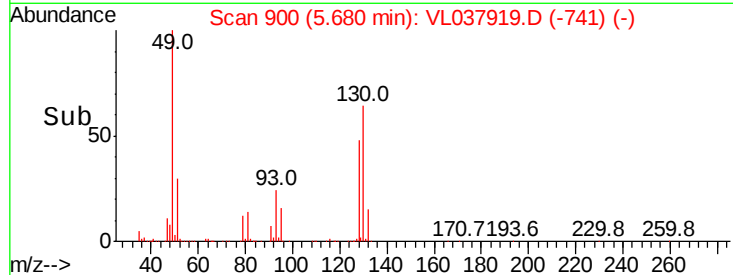
400000

200000

0

5.60 5.65 5.70 5.75 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.042 ppbv

RT: 3.07 min Scan# 87

Delta R.T. 0.02 min

Lab File: VL037919.D

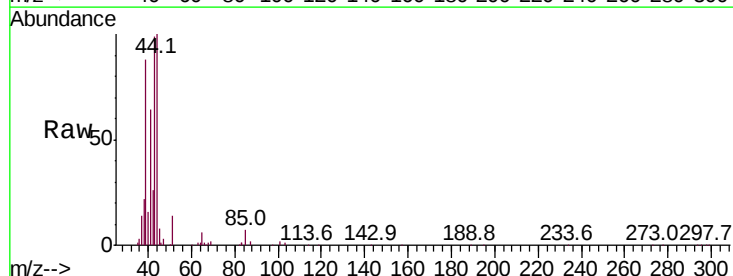
Acq: 27 Oct 2021 17:01

Tgt Ion: 85 Resp: 9516

Ion Ratio Lower Upper

85 100

87 22.9 25.7 38.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

6000

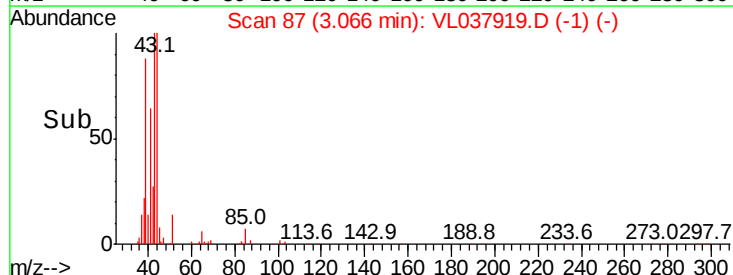
4000

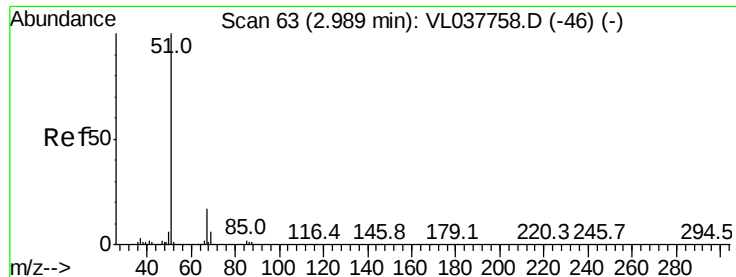
2000

0

3.02 3.04 3.06 3.08 3.10

Time-->





#3

Chlorodifluoromethane

Concen: 7.470 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VMP-5-MANIFOLD.DL

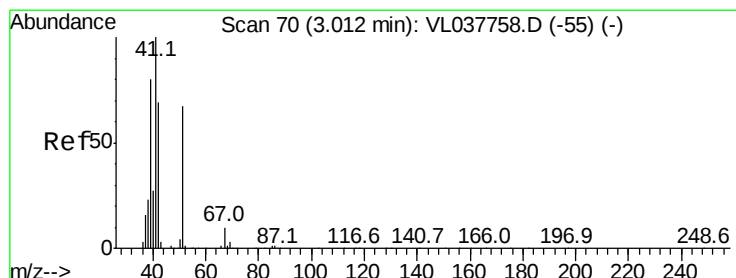
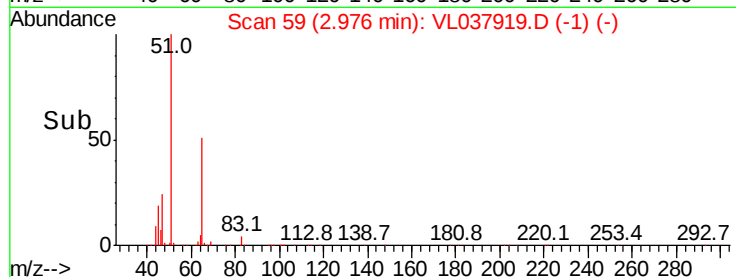
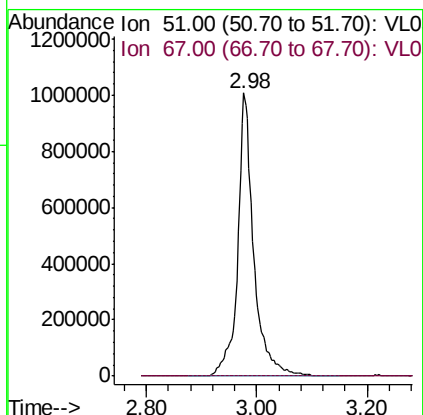
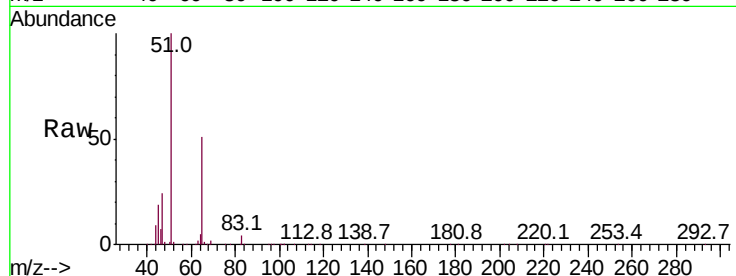
Acq: 27 Oct 2021 17:01

Tot Ion: 51 Resp: 2035708

Ion Ratio Lower Upper

51 100

67 0.1 13.5 20.3#



#9

Propene

Concen: 2.617 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.21 min

Lab File: VL037919.D

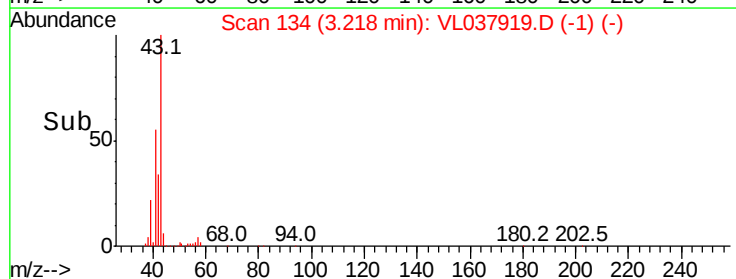
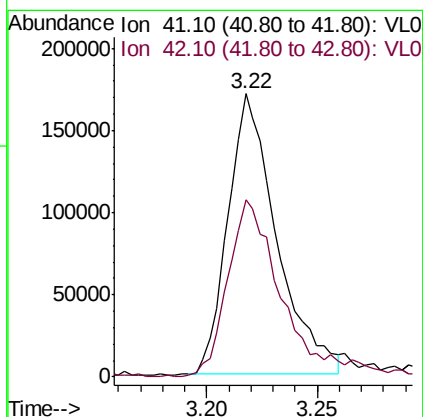
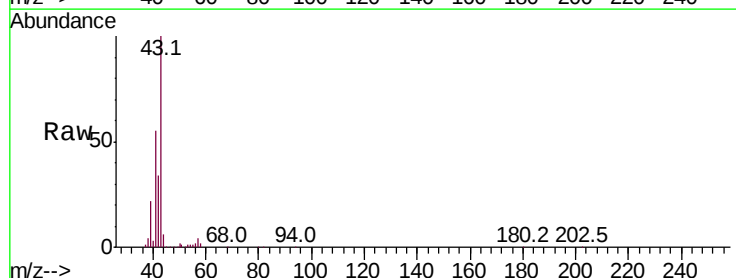
Acq: 27 Oct 2021 17:01

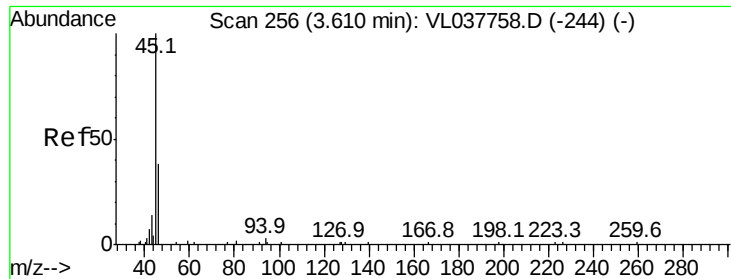
Tgt Ion: 41 Resp: 262447

Ion Ratio Lower Upper

41 100

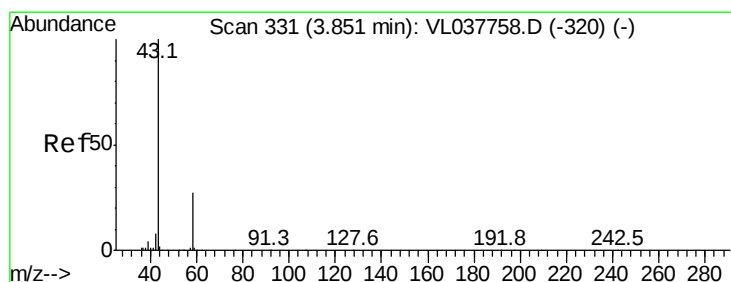
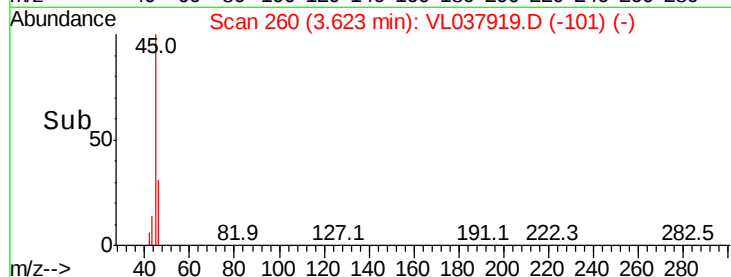
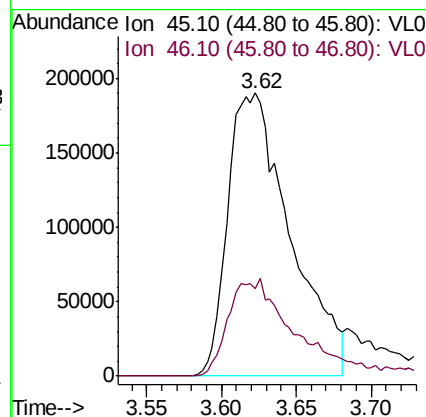
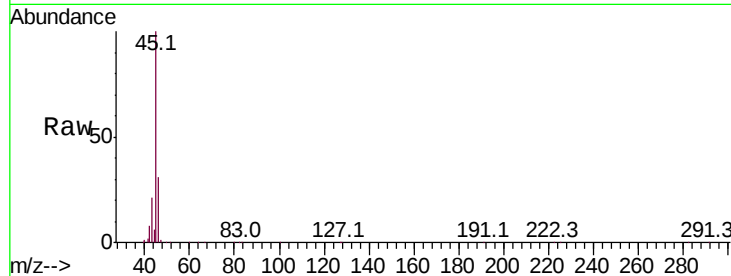
42 72.4 54.2 81.2





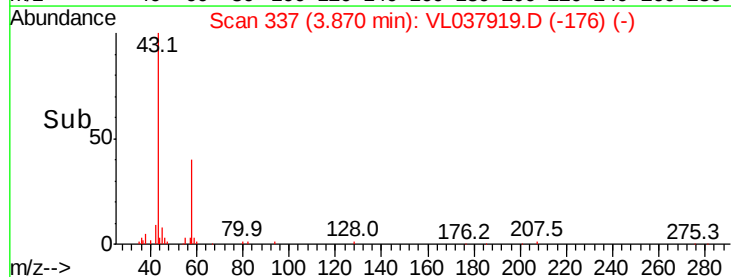
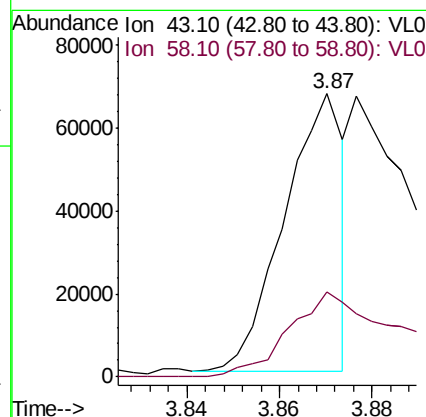
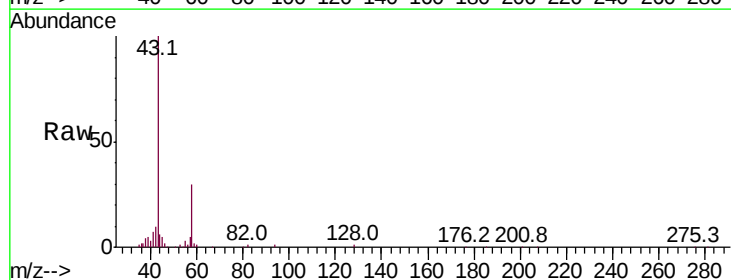
#13
 Ethanol
 Concen: 67.311 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VMP-5-MANIFOLD.DL
 Acq: 27 Oct 2021 17:01

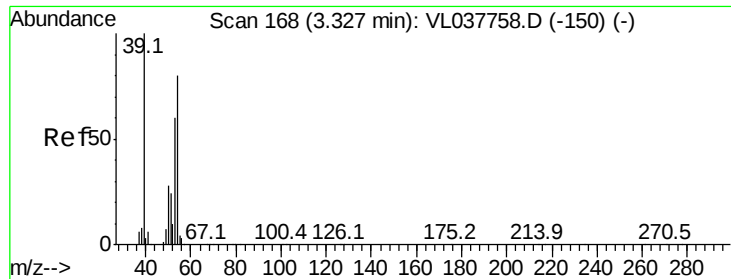
Tot Ion: 45 Resp: 551996
 Ion Ratio Lower Upper
 45 100
 46 36.3 20.2 81.0



#15
 Acetone
 Concen: 0.464 ppbv
 RT: 3.87 min Scan# 337
 Delta R.T. 0.02 min
 Lab File: VL037919.D
 Acq: 27 Oct 2021 17:01

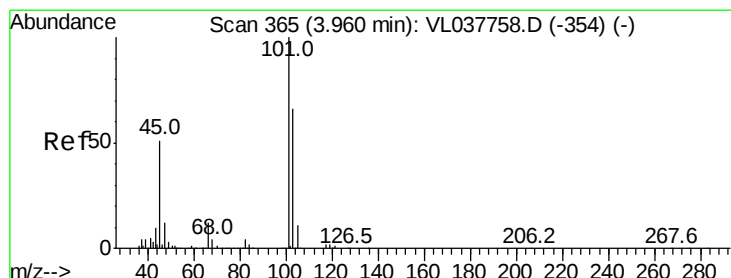
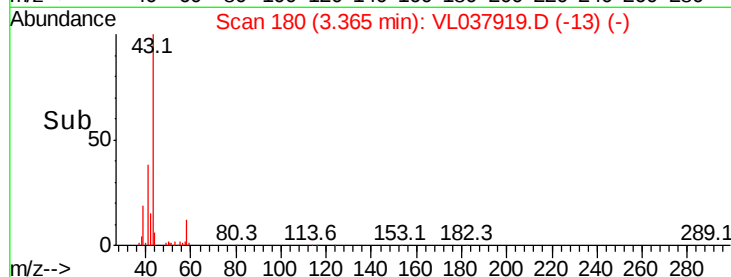
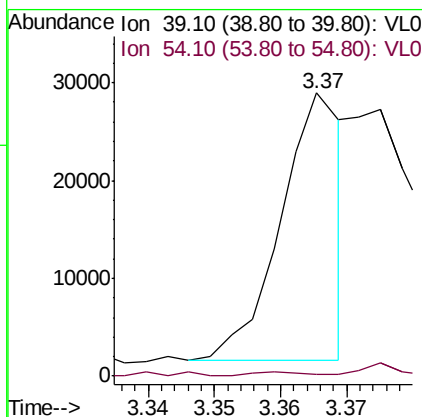
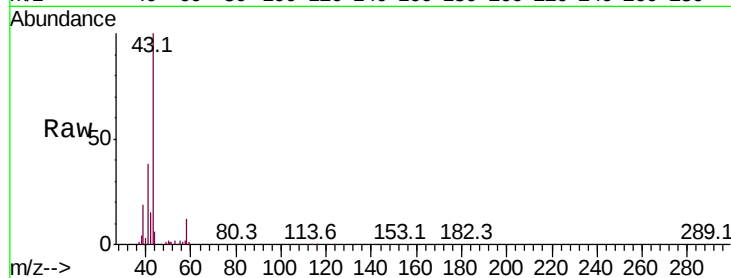
Tgt Ion: 43 Resp: 59038
 Ion Ratio Lower Upper
 43 100
 58 70.6 23.0 34.6#





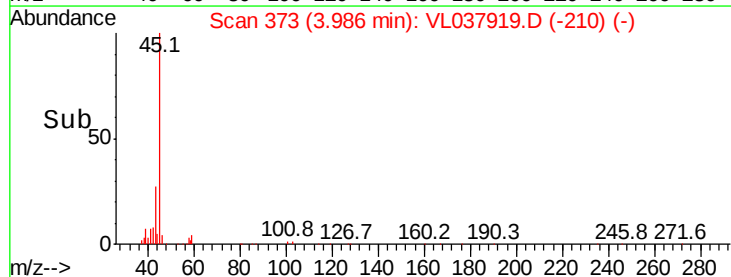
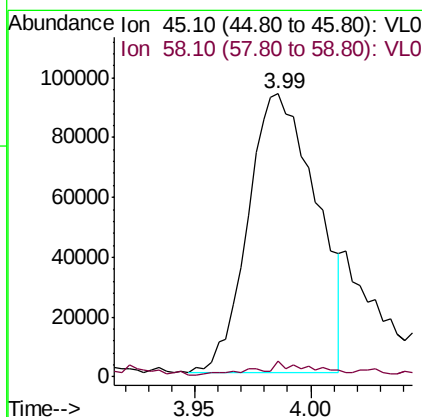
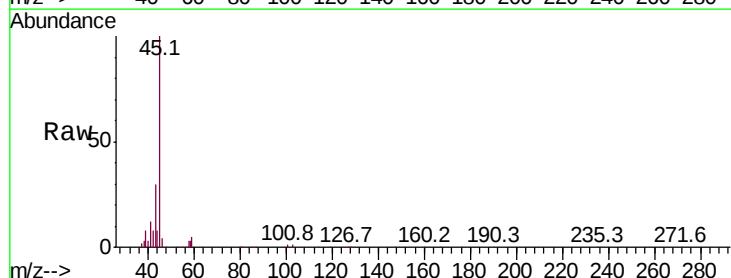
#16
 1,3-Butadiene
 Concen: 0.192 ppbv
 RT: 3.37
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VMP-5-MANIFOLD.DL
 Acq: 27 Oct 2021 17:01

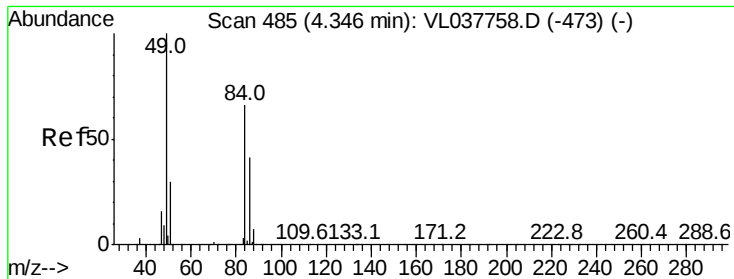
Tot Ion: 39 Resp: 17802
 Ion Ratio Lower Upper
 39 100
 54 0.0 61.7 92.5#



#19
 Isopropyl Alcohol
 Concen: 2.396 ppbv
 RT: 3.99 min Scan# 373
 Delta R.T. 0.03 min
 Lab File: VL037919.D
 Acq: 27 Oct 2021 17:01

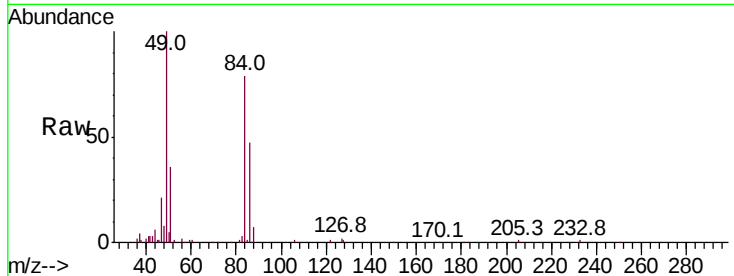
Tgt Ion: 45 Resp: 189774
 Ion Ratio Lower Upper
 45 100
 58 6.6 1.1 1.7#





#20
Methvlene Chloride
Concen: 1.092 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VMP-5-MANIFOLD.DL
Acq: 27 Oct 2021 17:01

Tot Ion:	84	Resp:	70230
Ion	Ratio	Lower	Upper
84	100		
49	125.6	120.7	181.1
51	46.1	36.2	54.4
86	59.4	49.6	74.4



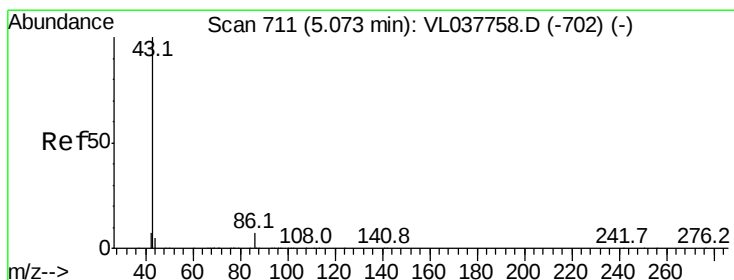
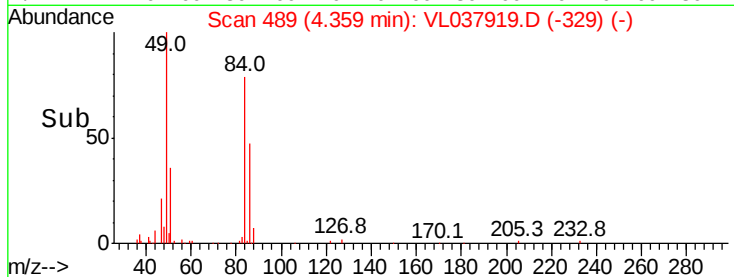
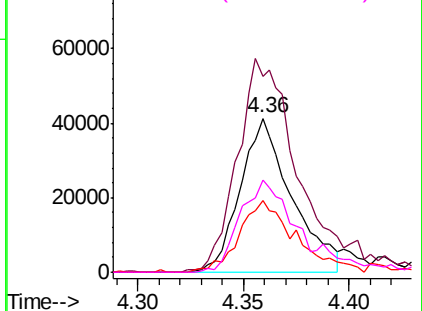
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

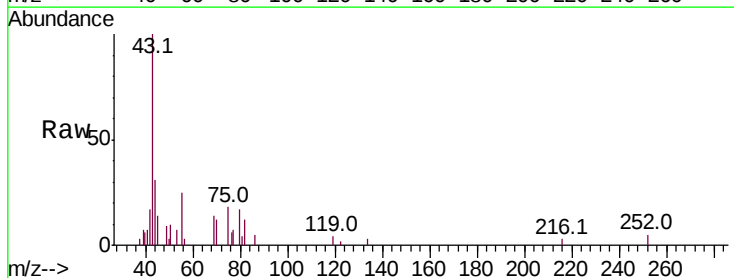
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 5.08 min Scan# 714
Delta R.T. 0.01 min
Lab File: VL037919.D
Acq: 27 Oct 2021 17:01

Tgt Ion:	43	Resp:	6277
Ion	Ratio	Lower	Upper
43	100		
86	9.5	5.0	7.4#
42	0.0	7.4	11.0#
44	16.1	3.8	5.6#



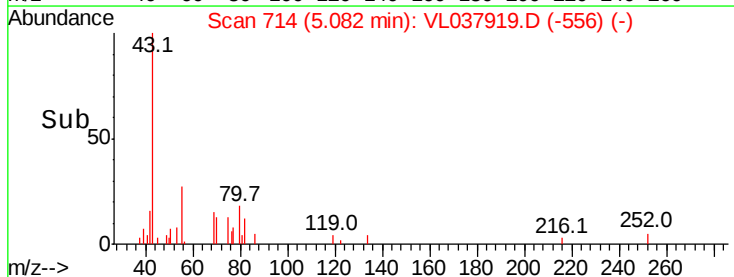
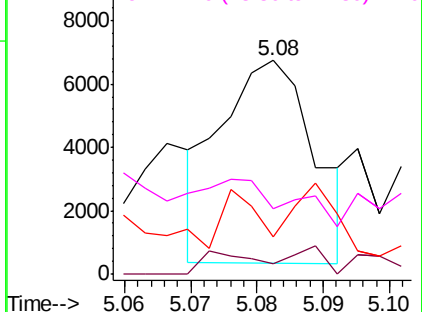
Abundance

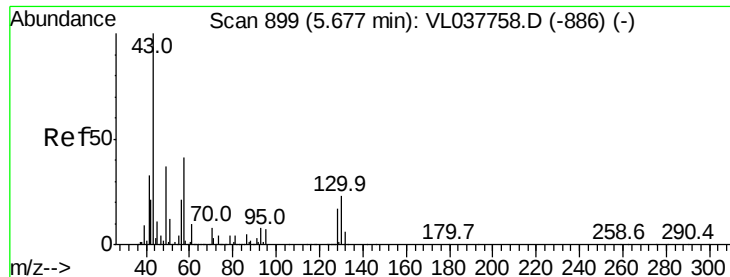
Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

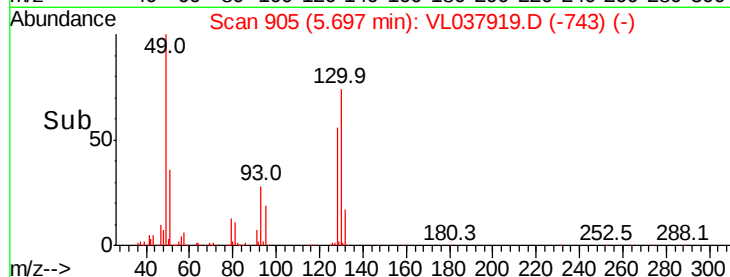
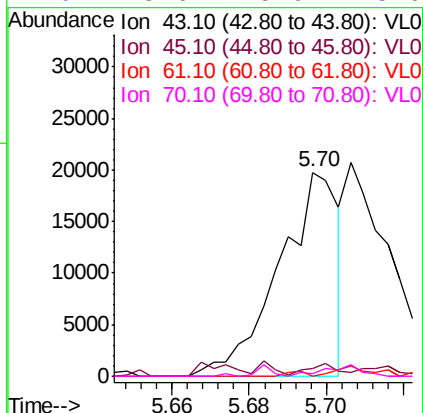
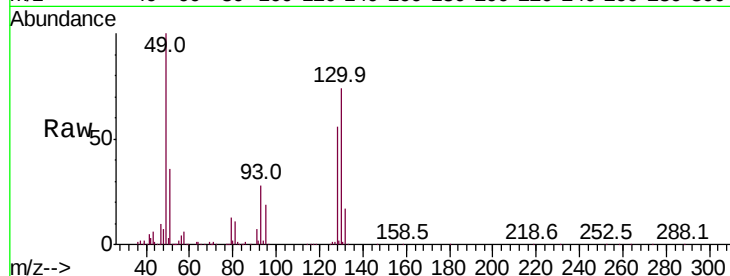
Ion 44.10 (43.80 to 44.80): VL0





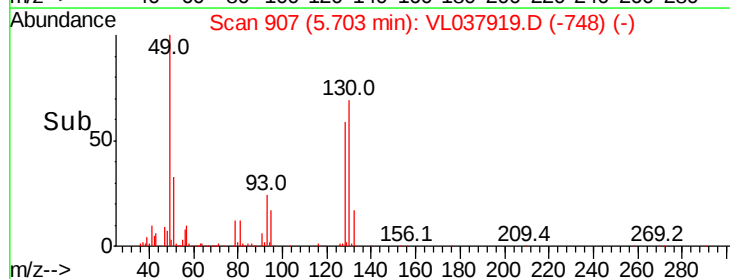
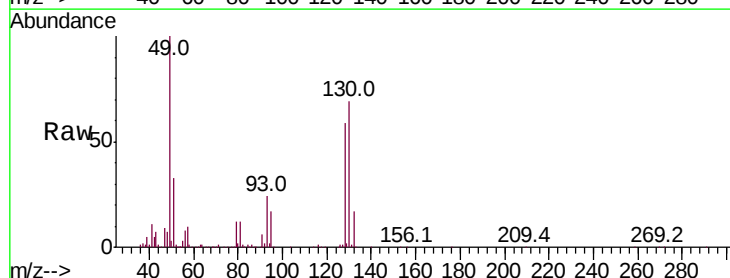
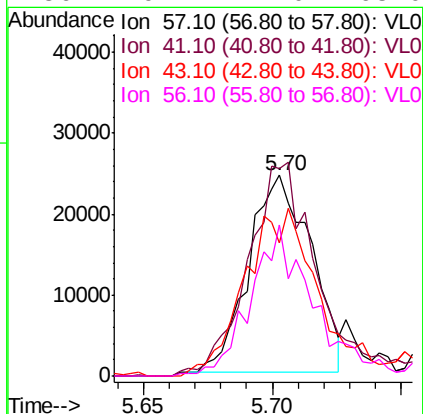
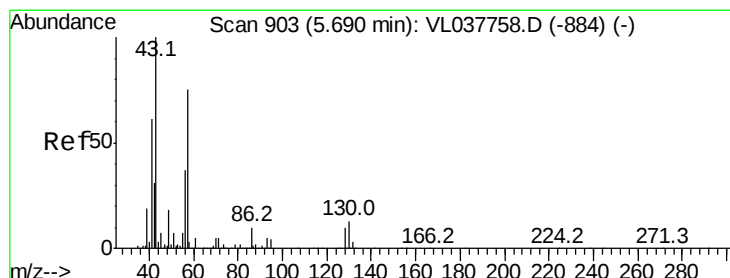
#25
Ethyl Acetate
Concen: 0.059 ppbv
RT: 5.70 min
Delta R.T.: 0.01 min
Lab File: VLP-5-MANIFOLD.DL
Acq: 27 Oct 2021 17:01

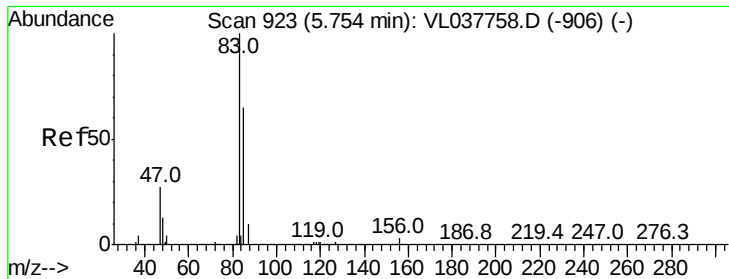
Tot Ion:	43	Resp:	20999
Ion	Ratio	Lower	Upper
43	100		
45	13.9	8.1	12.1#
61	0.0	7.5	11.3#
70	5.6	5.9	8.9#



#26
Hexane
Concen: 0.235 ppbv
RT: 5.70 min Scan# 907
Delta R.T.: 0.01 min
Lab File: VL037919.D
Acq: 27 Oct 2021 17:01

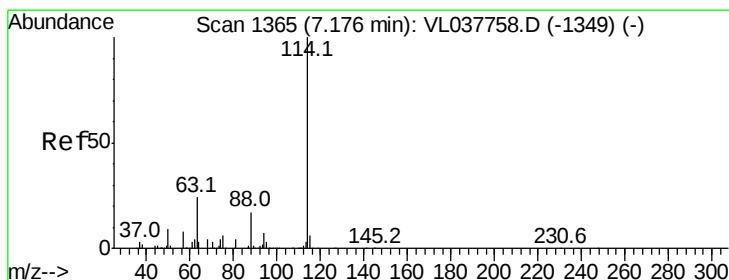
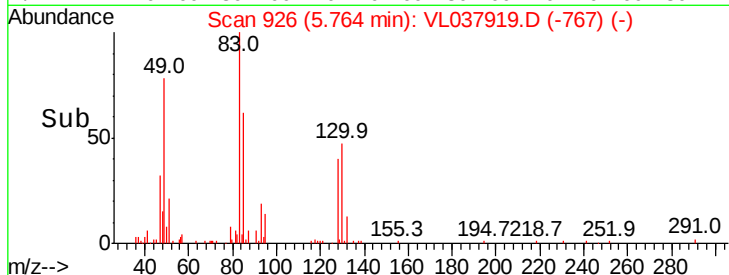
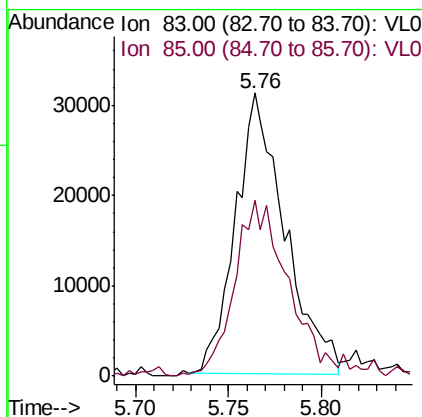
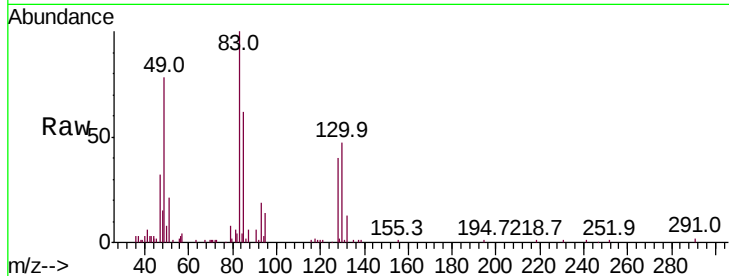
Tgt Ion:	57	Resp:	41390
Ion	Ratio	Lower	Upper
57	100		
41	126.5	69.6	104.4#
43	111.1	171.4	257.0#
56	79.7	42.0	63.0#





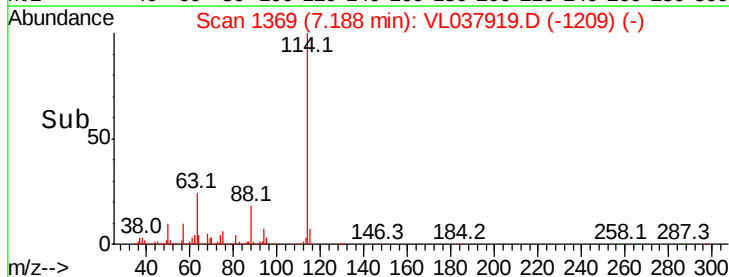
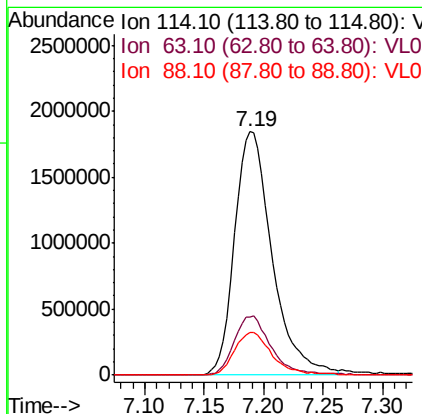
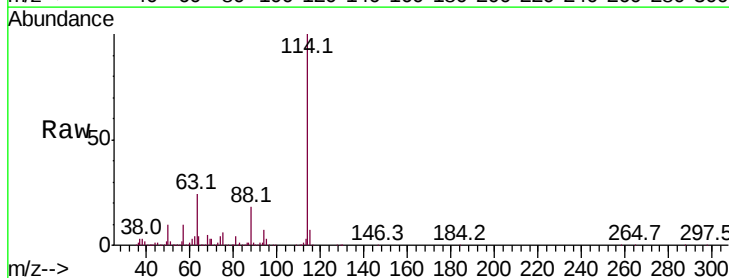
#29
Chloroform
Concen: 0.231 ppbv
RT: 5.76
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VMP-5-MANIFOLDL
Acq: 27 Oct 2021 17:01

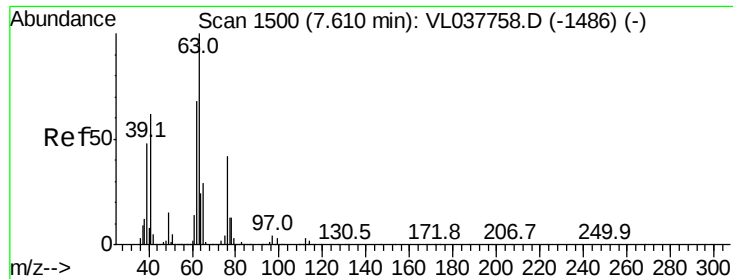
Tot Ion: 83 Resp: 58051
Ion Ratio Lower Upper
83 100
85 62.1 51.8 77.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VL037919.D
Acq: 27 Oct 2021 17:01

Tgt Ion:114 Resp: 4037483
Ion Ratio Lower Upper
114 100
63 24.2 19.4 29.2
88 17.9 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.402 ppbv

RT: 7.19 Instrument: MSVOA_1

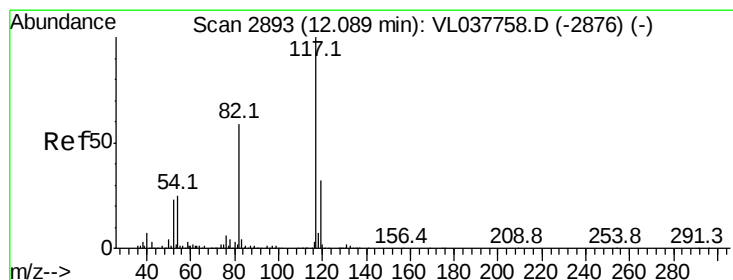
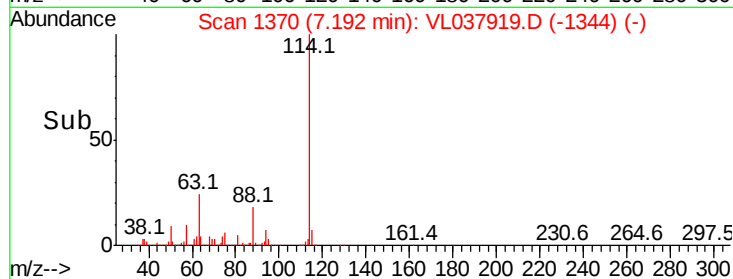
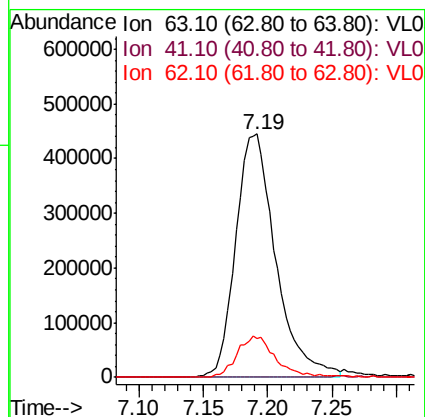
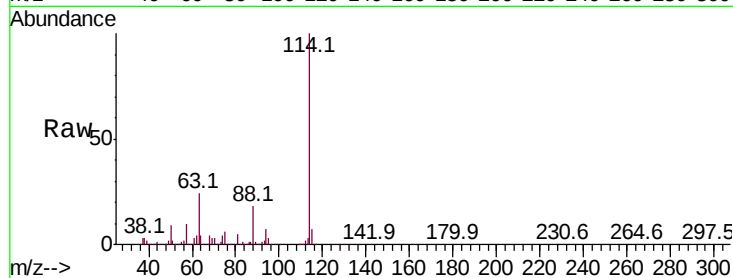
Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Oct 2021 17:01 VMP-5-MANIFOLD.DL

Tot Ion: 63 Resp: 960131

Ion	Ratio	Lower	Upper
63	100		
41	0.1	49.8	74.6#
62	16.0	54.6	82.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

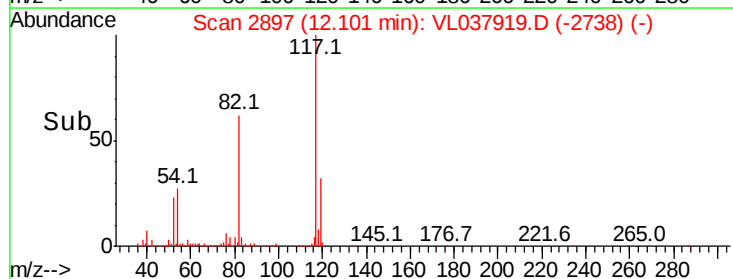
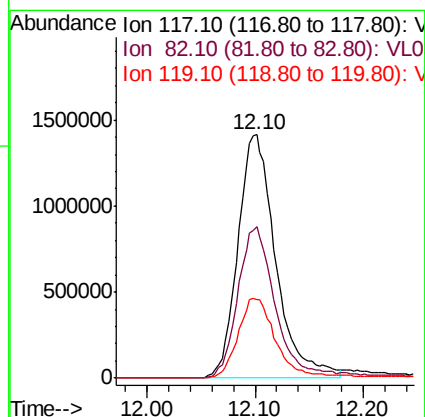
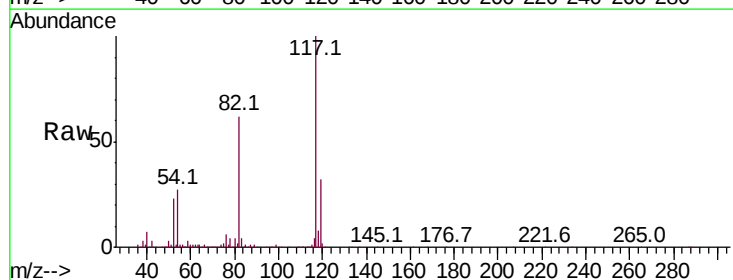
Delta R.T. 0.01 min

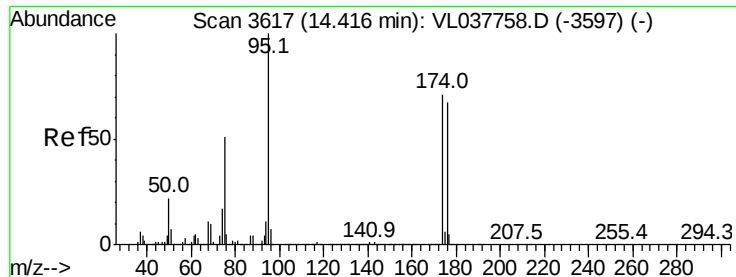
Lab File: VL037919.D

Acq: 27 Oct 2021 17:01

Tgt Ion: 117 Resp: 3453222

Ion	Ratio	Lower	Upper
117	100		
82	65.4	52.2	78.2
119	34.1	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.655 ppbv

RT: 14.43

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 17:01

Tot Ion: 95 Resp: 2331567

Ion Ratio Lower Upper

95 100

174 76.1 57.8 86.6

175 5.7 4.7 7.1

