

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062722\
 Data File : VL039363.D
 Acq On : 27 Jun 2022 17:43
 Operator : SY/AP
 Sample : N3489-04DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3-20220622DL

Quant Time: Jun 28 02:37:43 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1060446	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3099685	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2720540	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2073428	9.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.20%

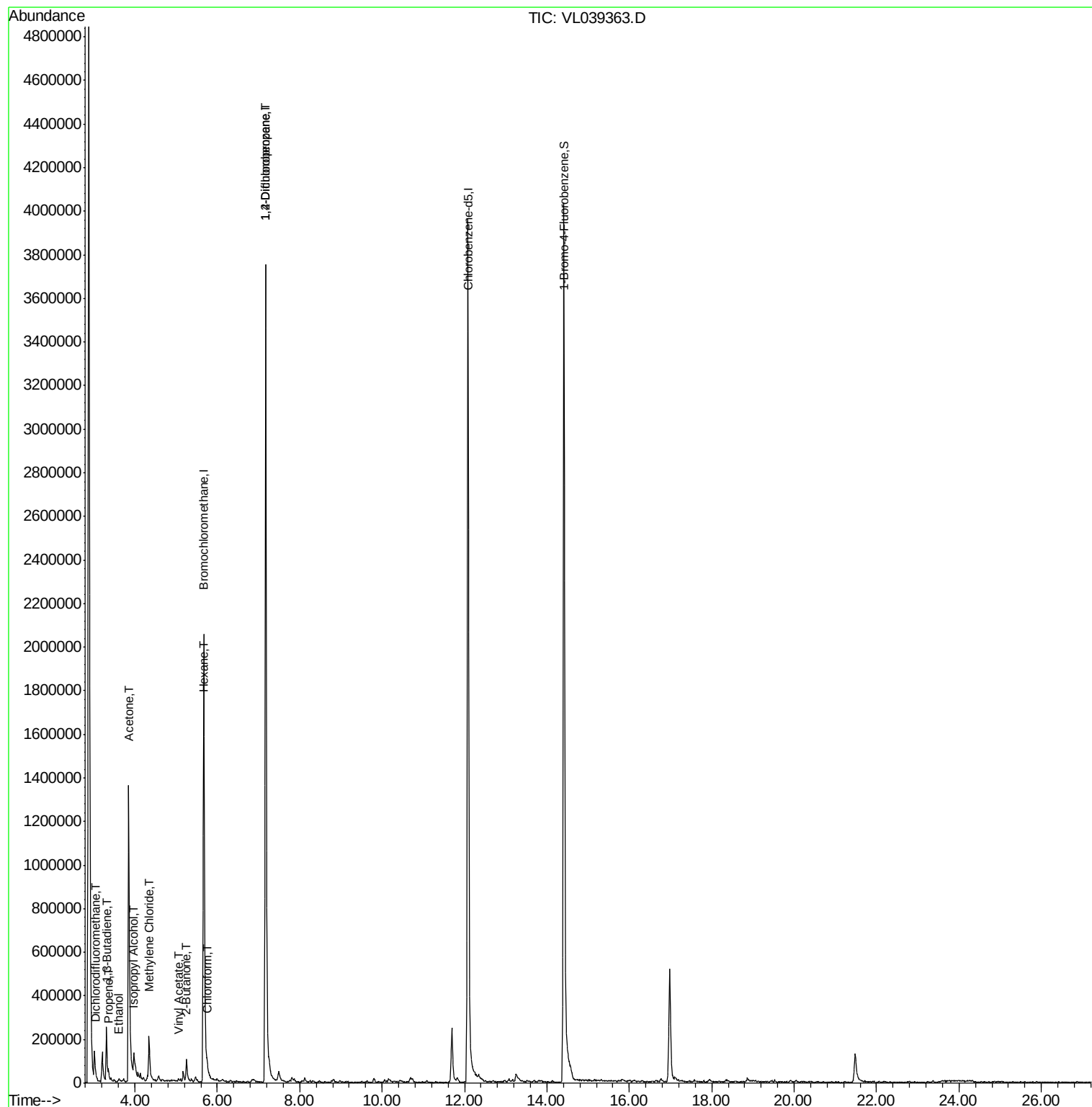
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	7479	0.040	ppbv	90
9) Propene	3.36	41	12263	0.208	ppbv	98
13) Ethanol	3.60	45	4626	1.442	ppbv #	100
15) Acetone	3.85	43	1903432	17.231	ppbv	100
16) 1,3-Butadiene	3.31	39	74697	1.258	ppbv #	19
19) Isopropyl Alcohol	3.97	45	124430	2.402	ppbv #	93
20) Methylene Chloride	4.35	84	79728	1.713	ppbv #	87
23) Vinyl Acetate	5.07	43	3942	0.043	ppbv #	48
26) Hexane	5.69	57	20706	0.189	ppbv #	29
29) Chloroform	5.75	83	12588	0.068	ppbv	98
34) 2-Butanone	5.25	43	133229	0.791	ppbv	97
39) 1,2-Dichloropropane	7.18	63	763979	7.632	ppbv #	24

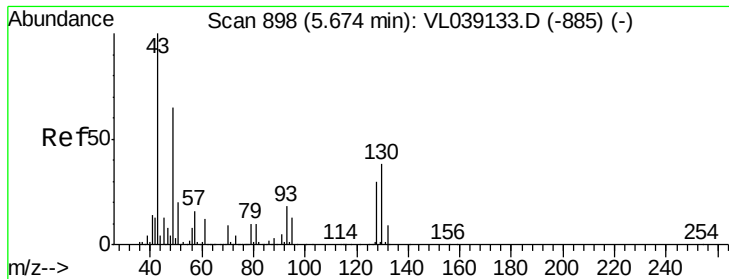
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SV-3-20220622DL

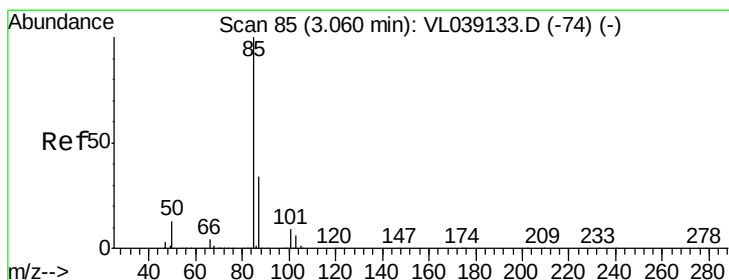
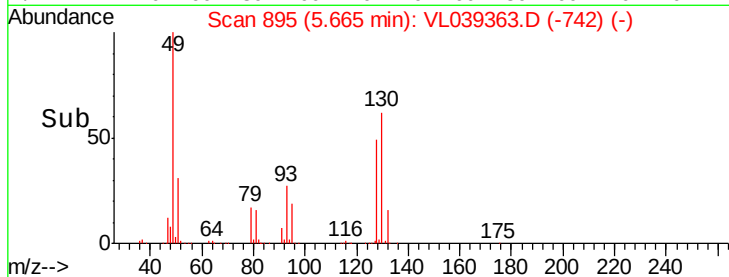
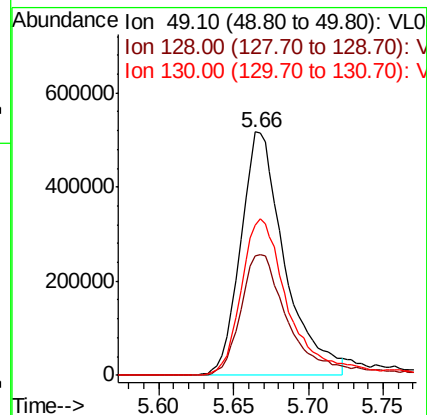
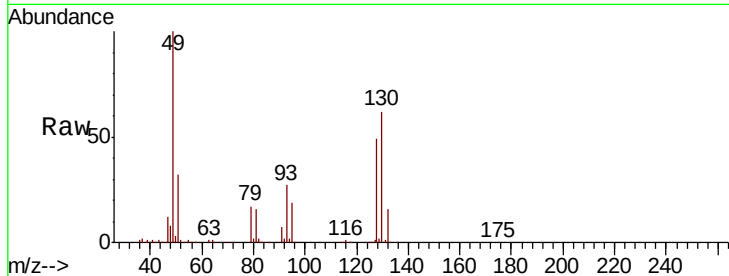
Quant Time: Jun 28 02:37:43 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
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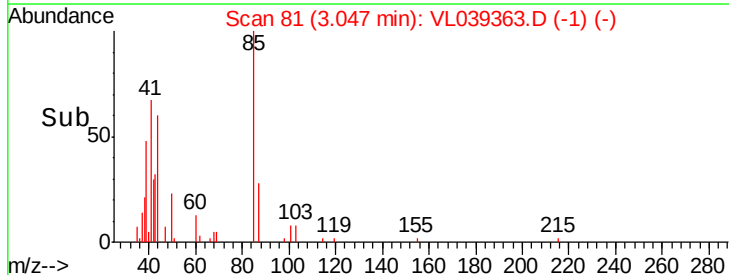
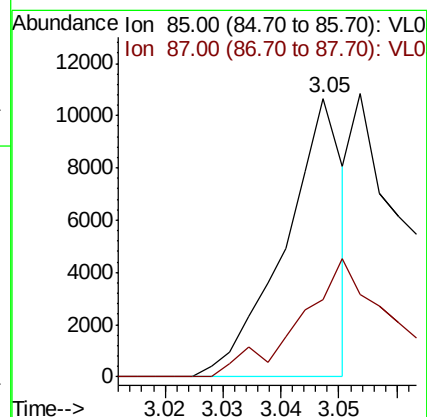
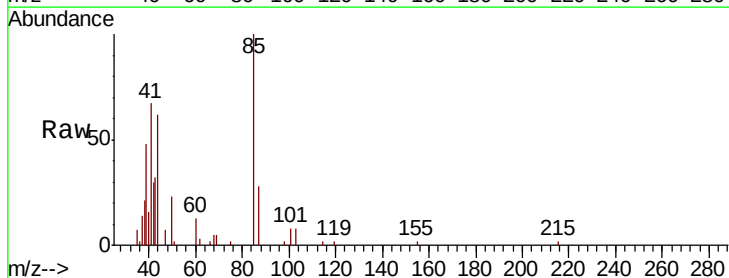
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV-3-20220622DL
 Acq: 27 Jun 2022 17:43

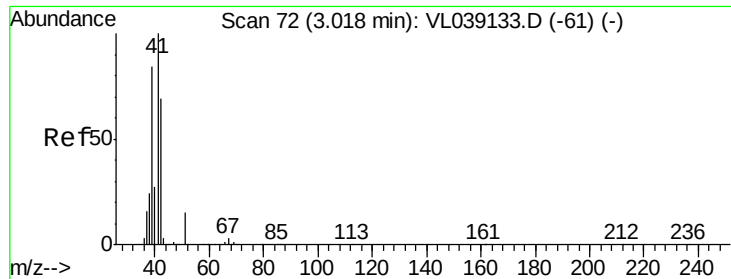
Tot Ion: 49 Resp: 1060446
 Ion Ratio Lower Upper
 49 100
 128 56.7 24.7 74.1
 130 72.8 31.4 94.0



#2
 Dichlorodifluoromethane
 Concen: 0.040 ppbv
 RT: 3.05 min Scan# 81
 Delta R.T. -0.01 min
 Lab File: VL039363.D
 Acq: 27 Jun 2022 17:43

Tgt Ion: 85 Resp: 7479
 Ion Ratio Lower Upper
 85 100
 87 27.9 26.9 40.3





#9

Propene

Concen: 0.208 ppbv

RT: 3.36 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

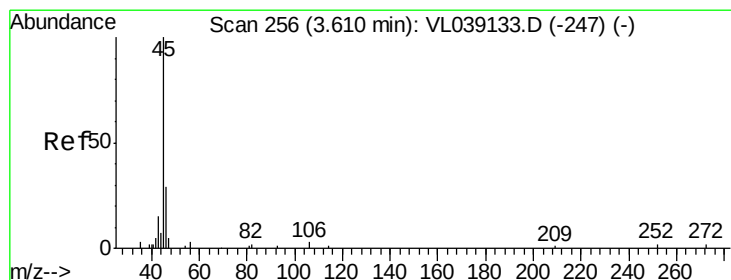
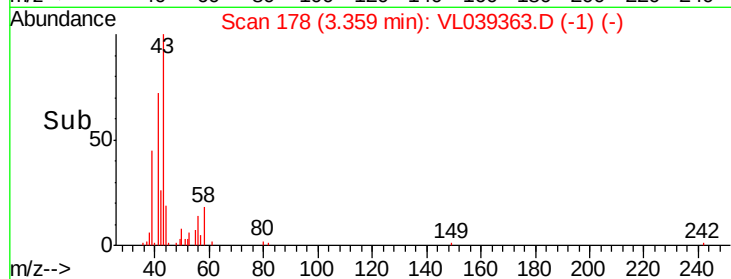
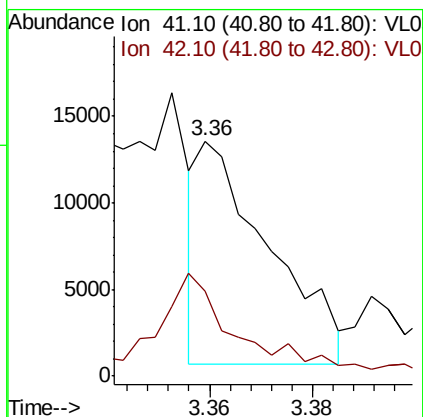
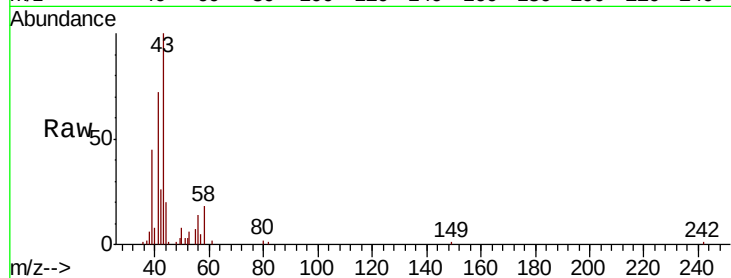
Acq: 27 Jun 2022 17:43 SV-3-20220622DL

Tot Ion: 41 Resp: 12263

Ion Ratio Lower Upper

41 100

42 67.5 55.4 83.2



#13

Ethanol

Concen: 1.442 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL039363.D

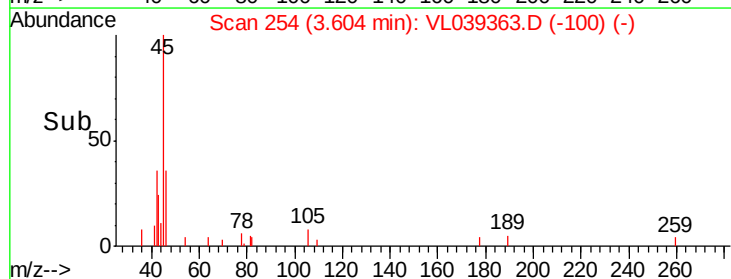
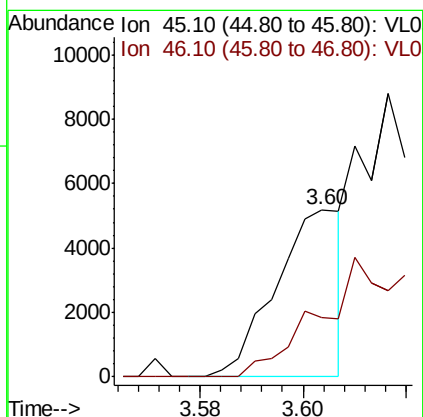
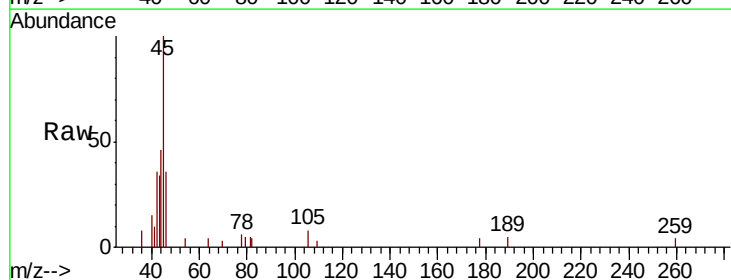
Acq: 27 Jun 2022 17:43

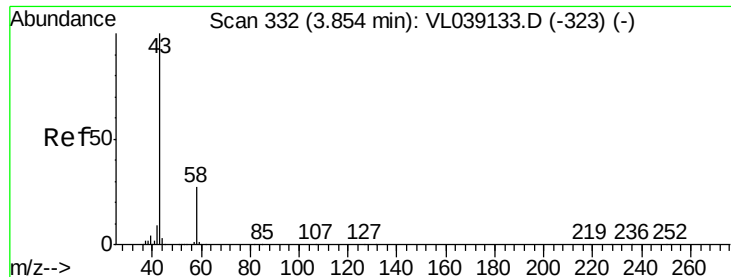
Tgt Ion: 45 Resp: 4626

Ion Ratio Lower Upper

45 100

46 0.0 0.0 0.0





#15

Acetone

Concen: 17.231 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

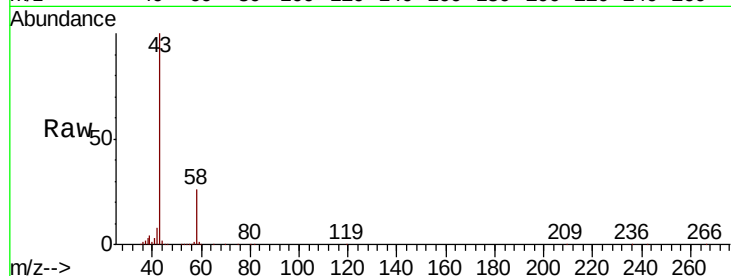
Acq: 27 Jun 2022 17:43 SV-3-20220622DL

Tot Ion: 43 Resp: 1903432

Ion Ratio Lower Upper

43 100

58 28.1 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

800000

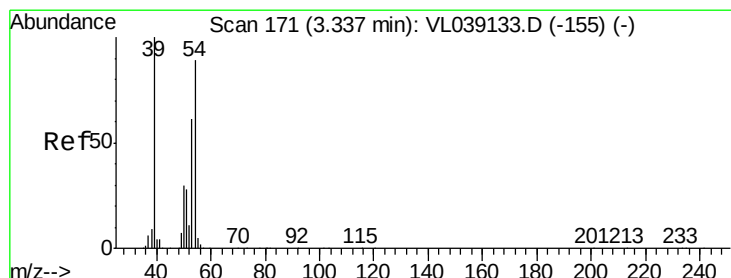
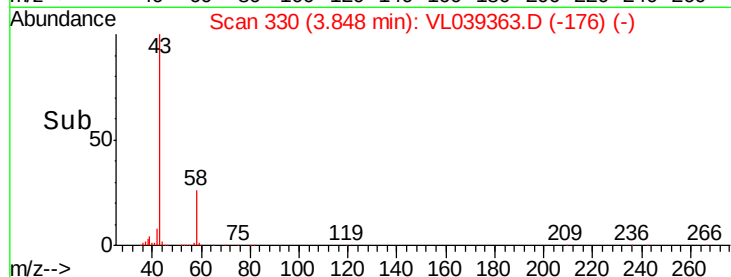
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 1.258 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL039363.D

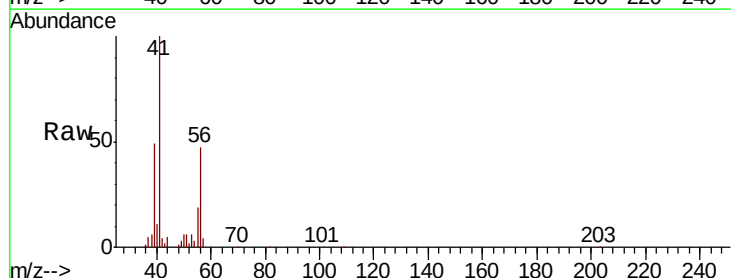
Acq: 27 Jun 2022 17:43

Tgt Ion: 39 Resp: 74697

Ion Ratio Lower Upper

39 100

54 10.0 65.8 98.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

50000

40000

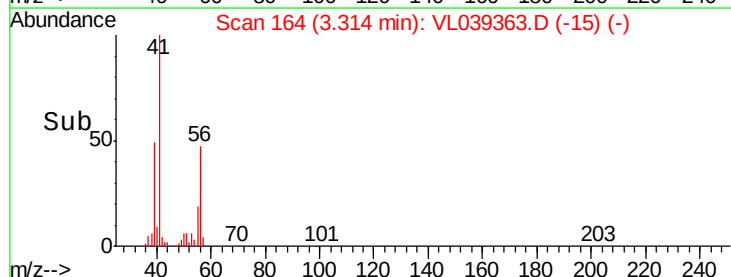
30000

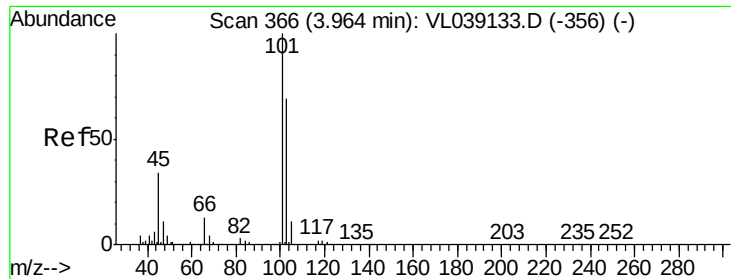
20000

10000

0

Time-->





#19

Isopropyl Alcohol

Concen: 2.402 ppbv

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

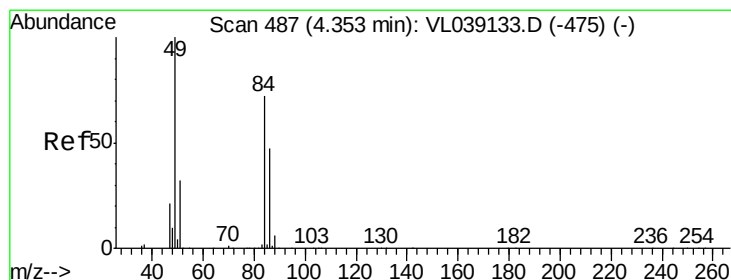
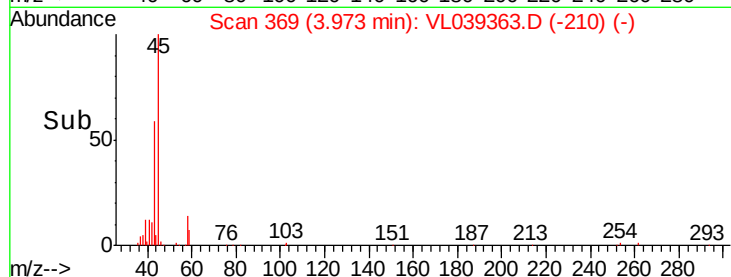
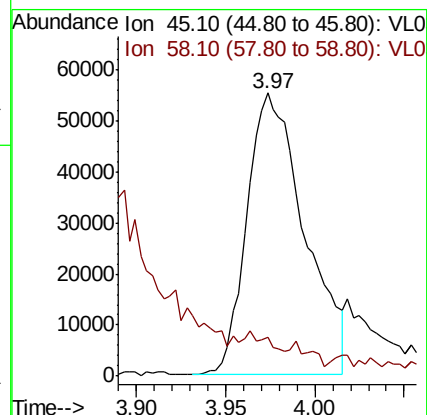
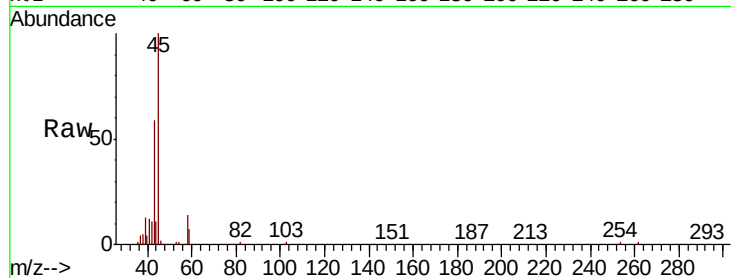
Acq: 27 Jun 2022 17:43

Tot Ion: 45 Resp: 124430

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.8#



#20

Methylene Chloride

Concen: 1.713 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.01 min

Lab File: VL039363.D

Acq: 27 Jun 2022 17:43

Tgt Ion: 84 Resp: 79728

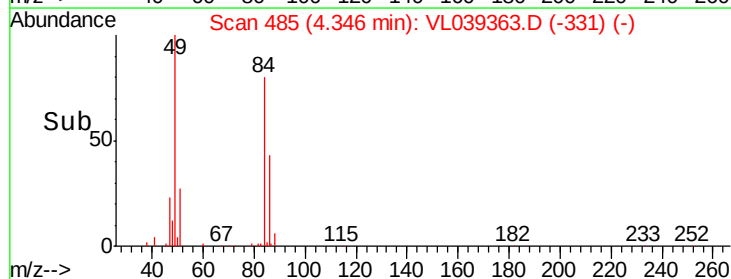
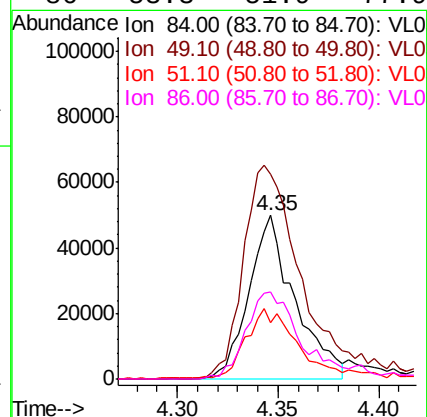
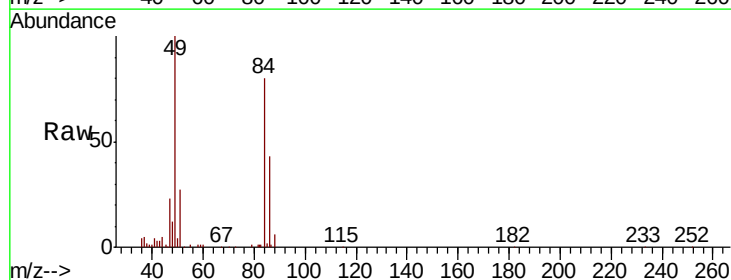
Ion Ratio Lower Upper

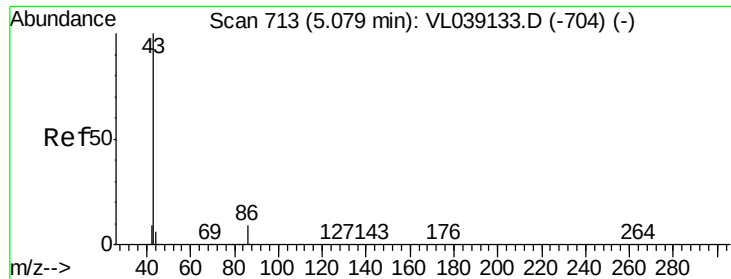
84 100

49 125.1 111.1 166.7

51 33.7 35.3 52.9#

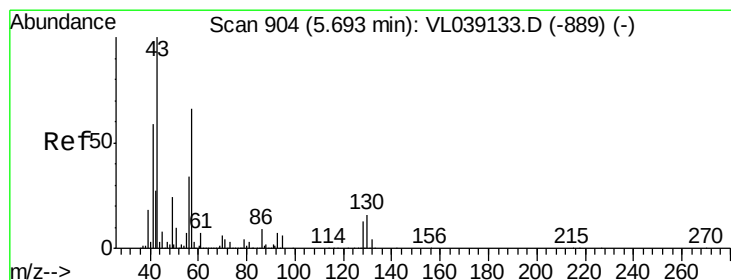
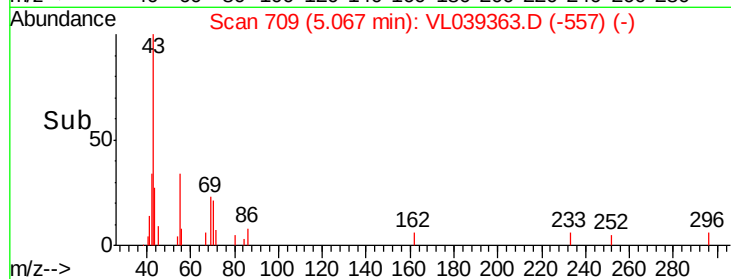
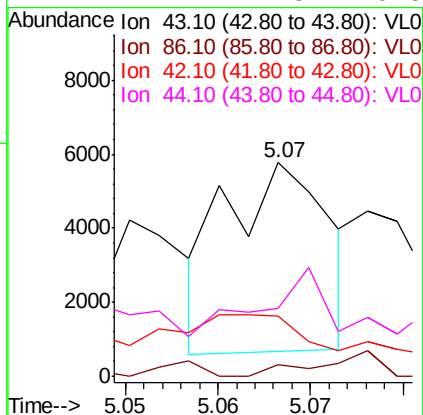
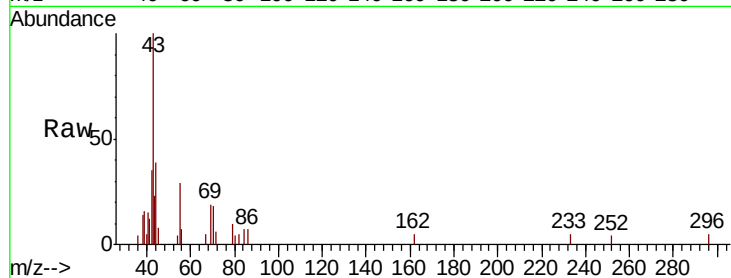
86 53.3 51.9 77.9





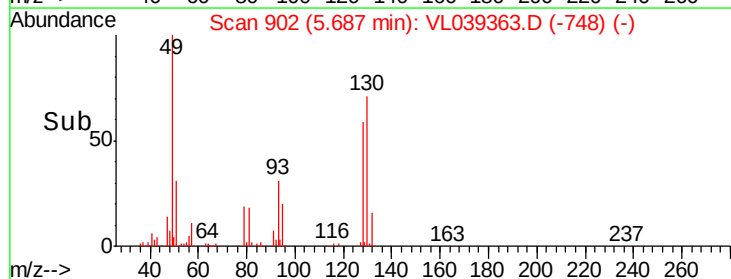
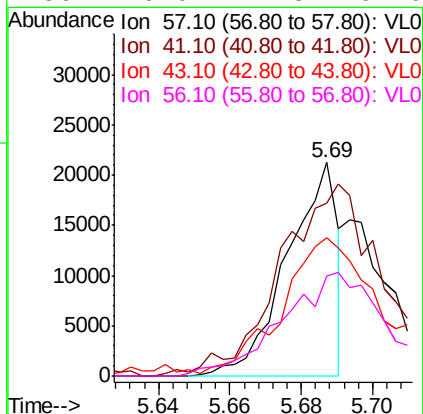
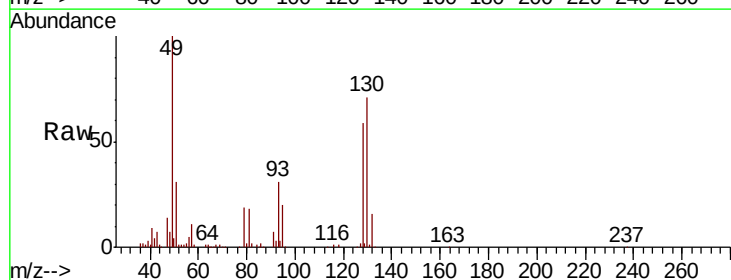
#23
 Vinyl Acetate
 Concen: 0.043 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-3-20220622DL
 Acq: 27 Jun 2022 17:43

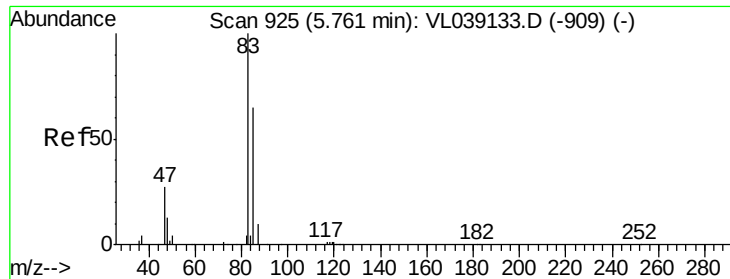
Tot Ion:	43	Resp:	3942
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#
42	37.2	8.2	12.4#
44	24.2	4.3	6.5#



#26
 Hexane
 Concen: 0.189 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: VL039363.D
 Acq: 27 Jun 2022 17:43

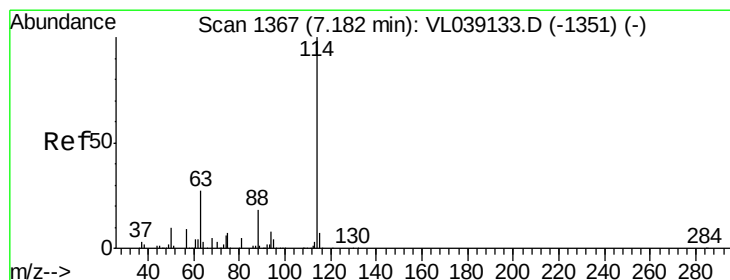
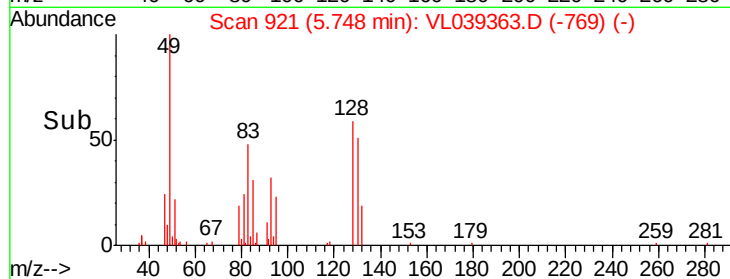
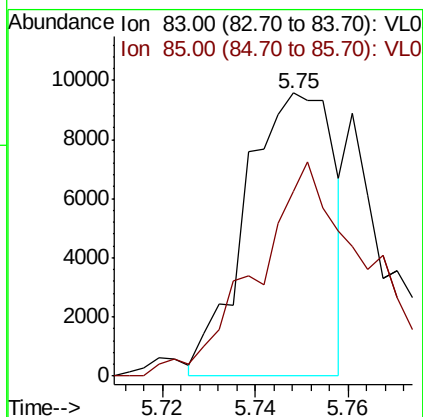
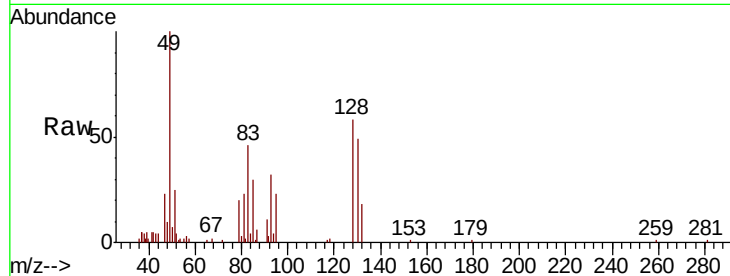
Tgt Ion:	57	Resp:	20706
Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.4	108.6#
43	132.7	187.0	280.6#
56	0.0	41.8	62.6#





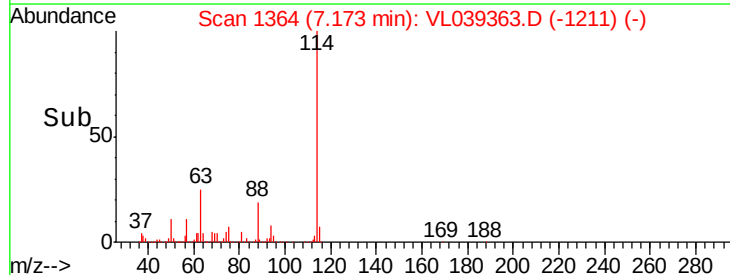
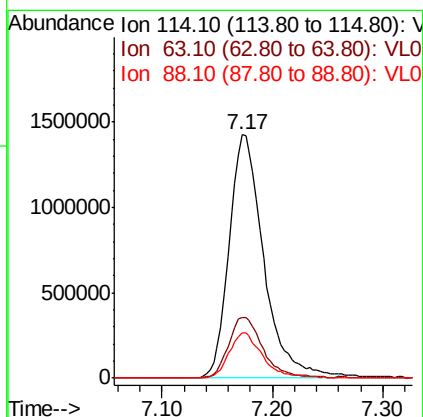
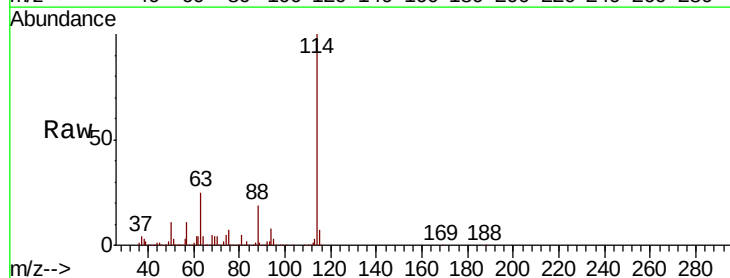
#29
Chloroform
Concen: 0.068 ppbv
RT: 5.75 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
SV-3-20220622DL
Acq: 27 Jun 2022 17:43

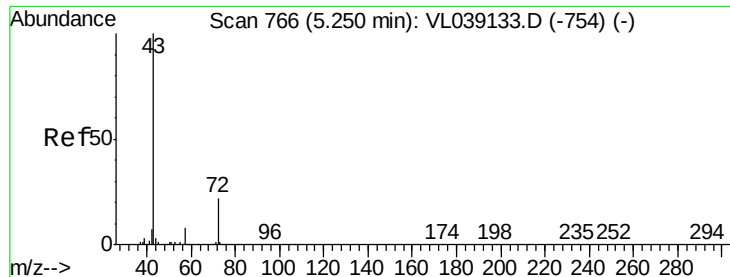
Tot Ion: 83 Resp: 12588
Ion Ratio Lower Upper
83 100
85 63.8 52.4 78.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T.: -0.01 min
Lab File: VL039363.D
Acq: 27 Jun 2022 17:43

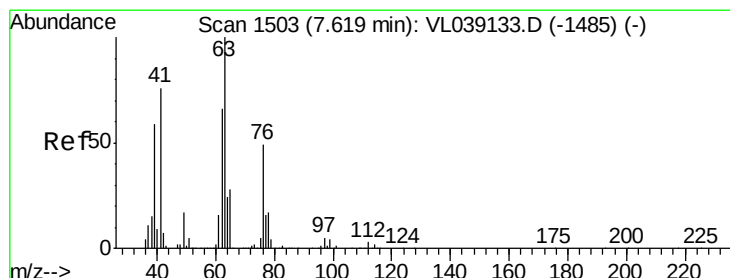
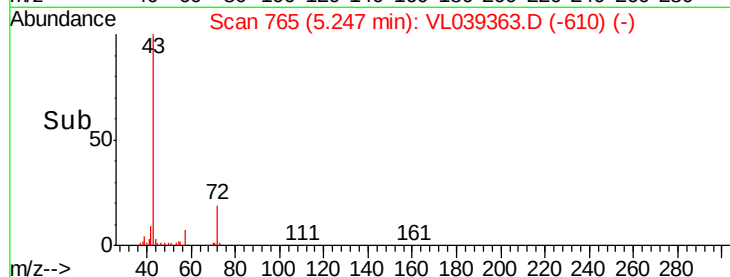
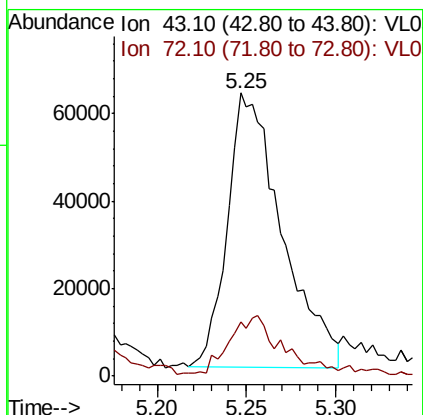
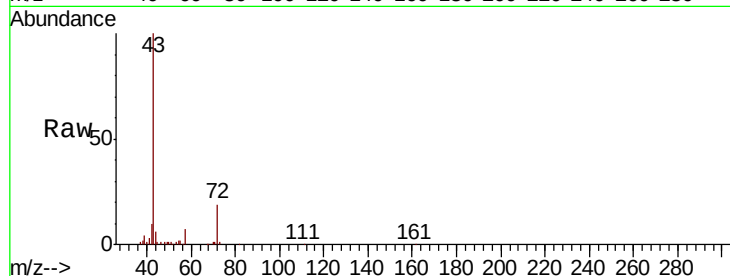
Tgt Ion: 114 Resp: 3099685
Ion Ratio Lower Upper
114 100
63 25.5 21.7 32.5
88 18.3 14.8 22.2





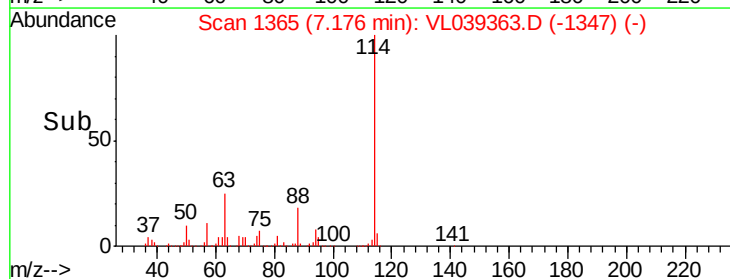
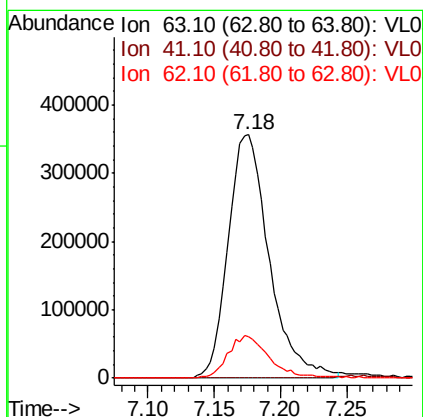
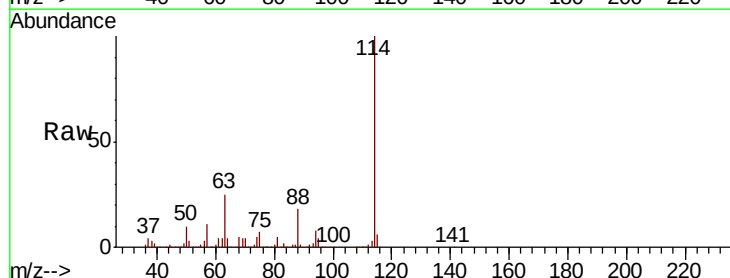
#34
 2-Butanone
 Concen: 0.791 ppbv
 RT: 5.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-3-20220622DL
 Acq: 27 Jun 2022 17:43

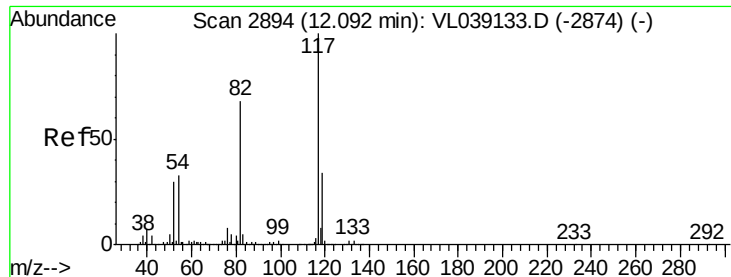
Tot Ion: 43 Resp: 133229
 Ion Ratio Lower Upper
 43 100
 72 24.3 18.2 27.2



#39
 1,2-Dichloropropane
 Concen: 7.632 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.44 min
 Lab File: VL039363.D
 Acq: 27 Jun 2022 17:43

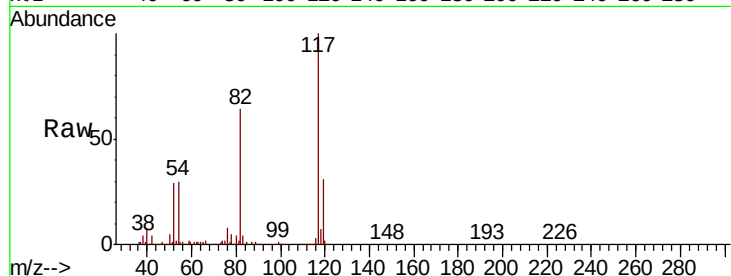
Tgt Ion: 63 Resp: 763979
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.8 91.2#
 62 17.0 52.9 79.3#



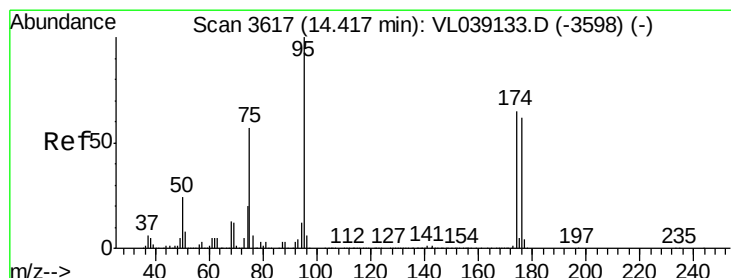
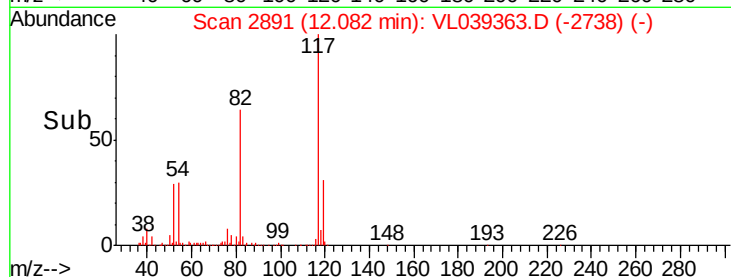
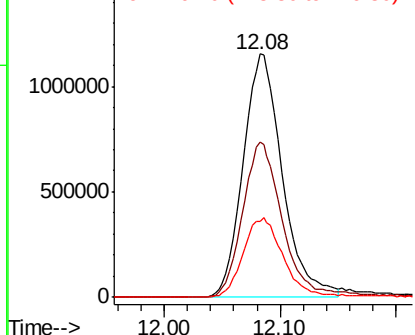


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: SV-3-20220622DL
Acq: 27 Jun 2022 17:43

Tot Ion: 117 Resp: 2720540
Ion Ratio Lower Upper
117 100
82 66.5 55.1 82.7
119 34.4 24.7 37.1

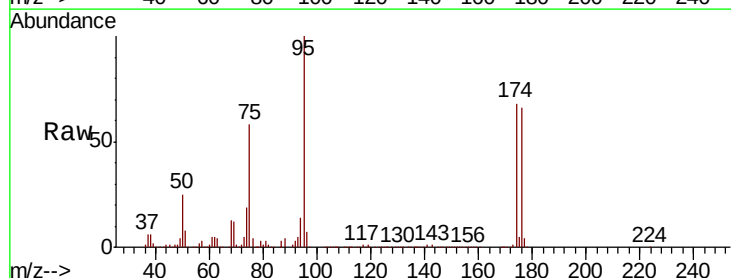


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.219 ppbv
RT: 14.41 min Scan# 3616
Delta R.T.: -0.00 min
Lab File: VL039363.D
Acq: 27 Jun 2022 17:43

Tgt Ion: 95 Resp: 2073428
Ion Ratio Lower Upper
95 100
174 69.9 53.8 80.8
175 5.0 4.1 6.1



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

