

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
 Data File : VL038635.D
 Acq On : 17 Mar 2022 21:05
 Operator : SY/AP
 Sample : N2003-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA6DL

Quant Time: Mar 18 03:37:01 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	812742	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2098642	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	1744587	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1208832	9.11	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.10%

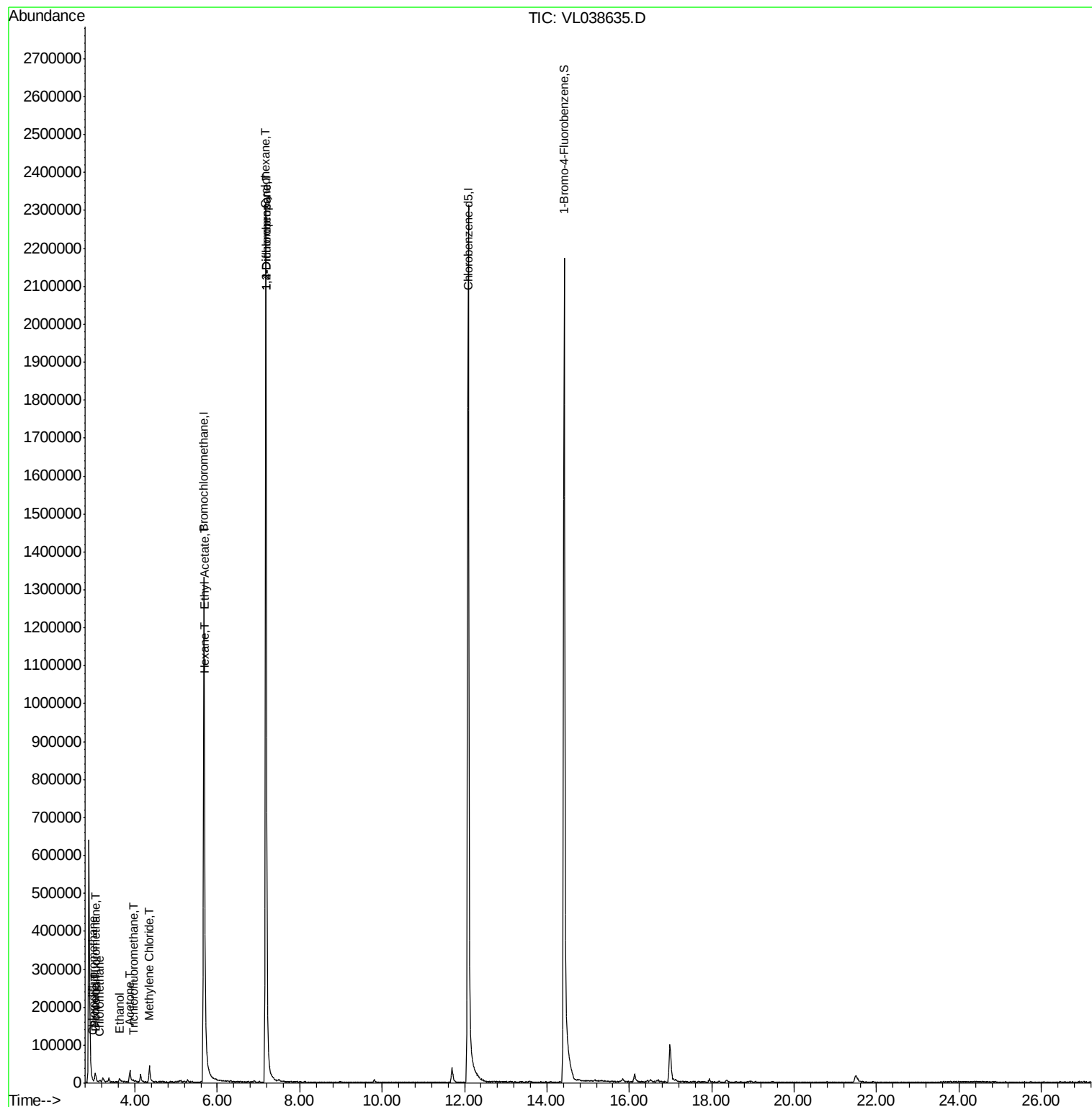
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	6395	0.05	ppbv	96
3) Chlorodifluoromethane	3.00	51	3146	0.02	ppbv	96
4) Chloromethane	3.15	50	2231	0.04	ppbv	91
9) Propene	3.03	41	6911	0.14	ppbv #	81
11) Trichlorofluoromethane	3.95	101	2434	0.02	ppbv #	43
13) Ethanol	3.63	45	5717	0.98	ppbv #	36
15) Acetone	3.87	43	33273	0.58	ppbv #	81
20) Methylene Chloride	4.35	84	19136	0.55	ppbv #	93
25) Ethyl Acetate	5.69	43	9473	0.05	ppbv #	77
26) Hexane	5.69	57	12298	0.14	ppbv #	43
30) Cyclohexane	7.16	84	3636	0.05	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	491008	6.74	ppbv #	27

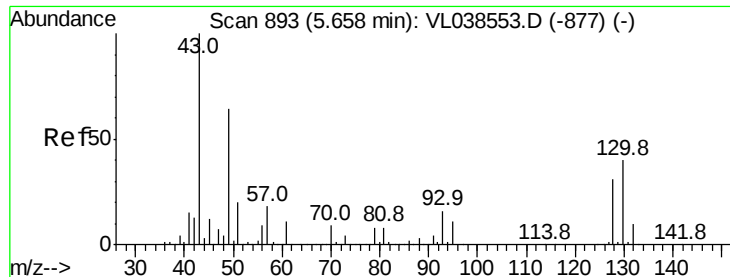
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL031722\
Data File : VL038635.D
Acq On : 17 Mar 2022 21:05
Operator : SY/AP
Sample : N2003-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0PA6DL

Quant Time: Mar 18 03:37:01 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 21:05

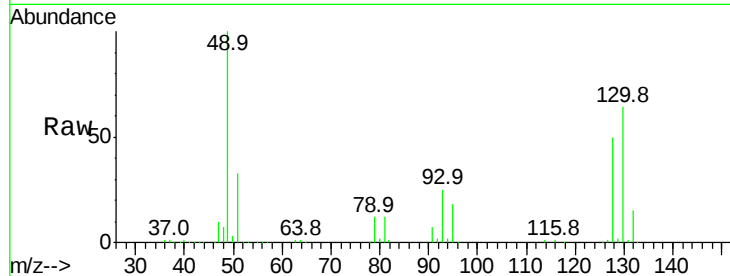
Tgt Ion: 49 Resp: 812742

Ion Ratio Lower Upper

49 100

128 52.9 26.4 79.2

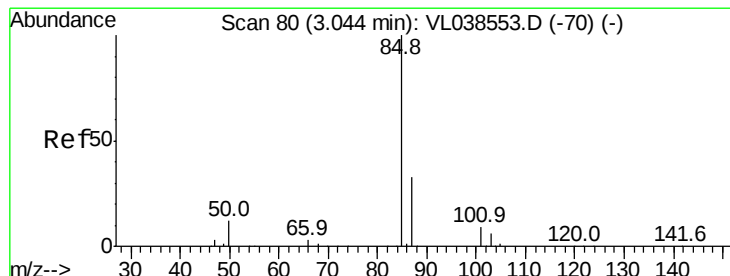
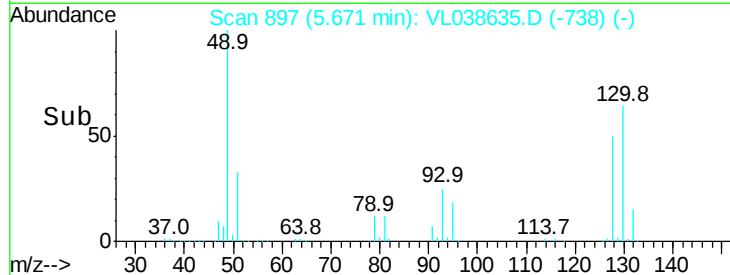
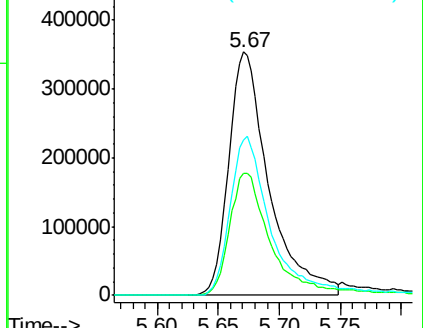
130 68.1 33.0 98.9



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



#2

Dichlorodifluoromethane

Concen: 0.05 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL038635.D

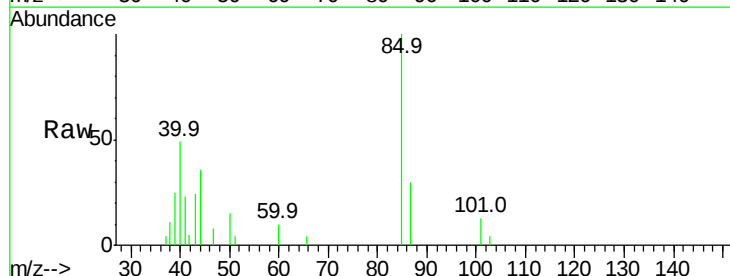
Acq: 17 Mar 2022 21:05

Tgt Ion: 85 Resp: 6395

Ion Ratio Lower Upper

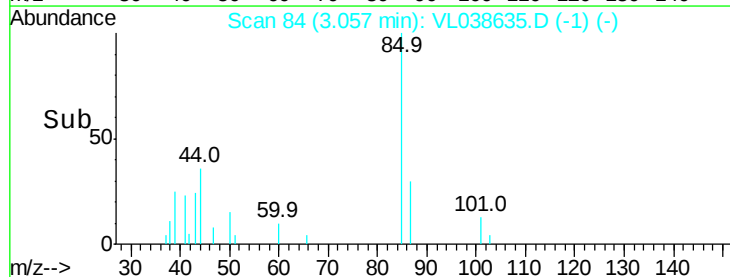
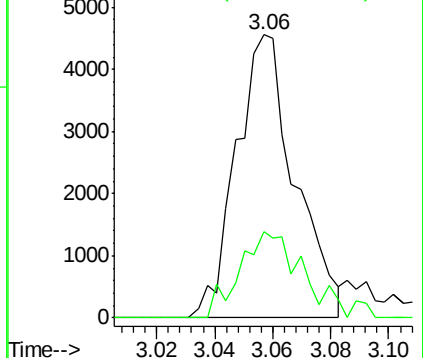
85 100

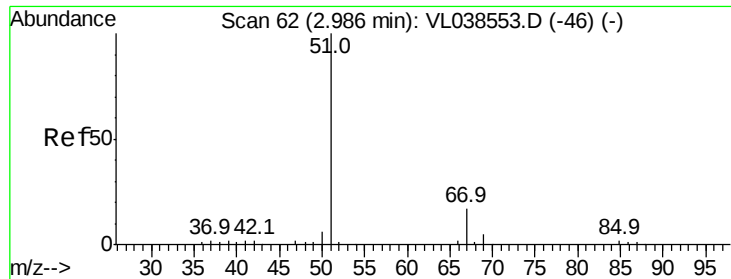
87 30.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.02 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

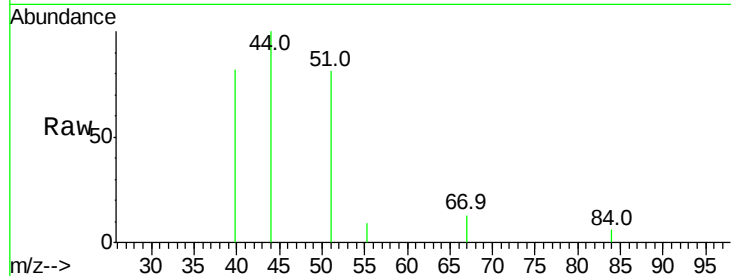
Acq: 17 Mar 2022 21:05

Tgt Ion: 51 Resp: 3146

Ion Ratio Lower Upper

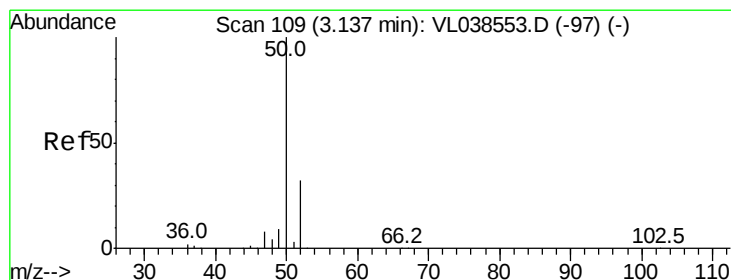
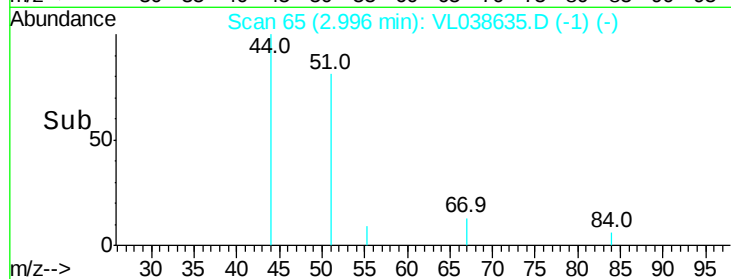
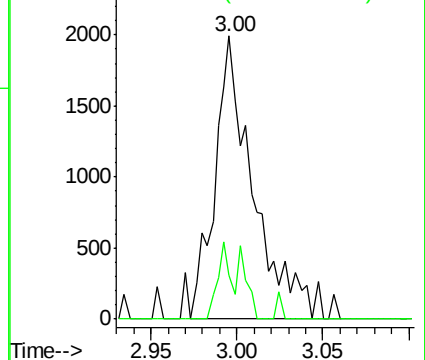
51 100

67 15.3 13.6 20.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.04 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL038635.D

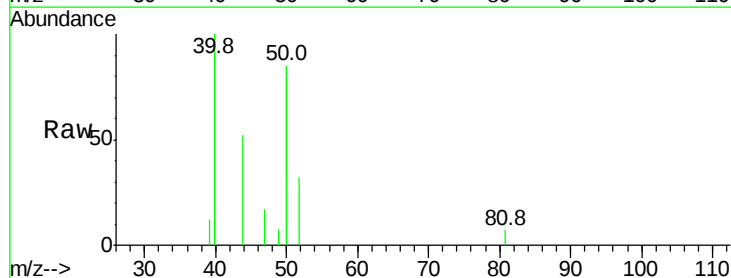
Acq: 17 Mar 2022 21:05

Tgt Ion: 50 Resp: 2231

Ion Ratio Lower Upper

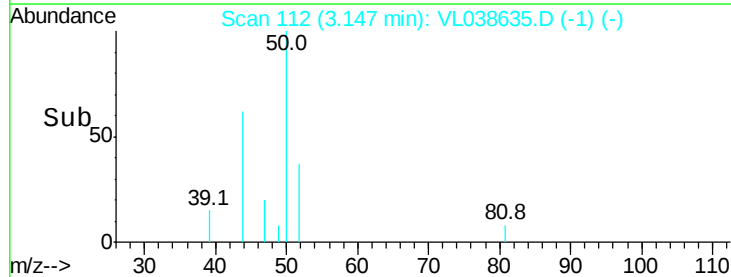
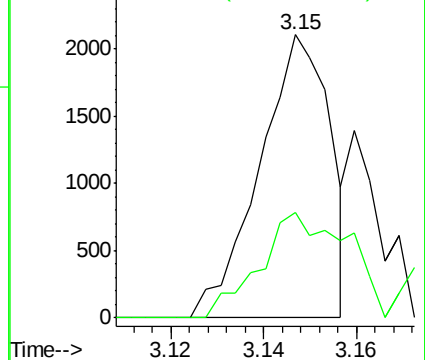
50 100

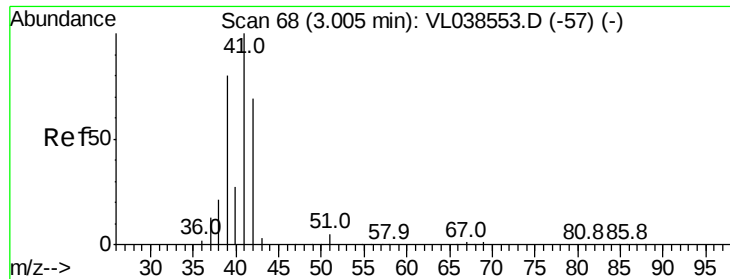
52 37.2 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.14 ppbv

RT: 3.03 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

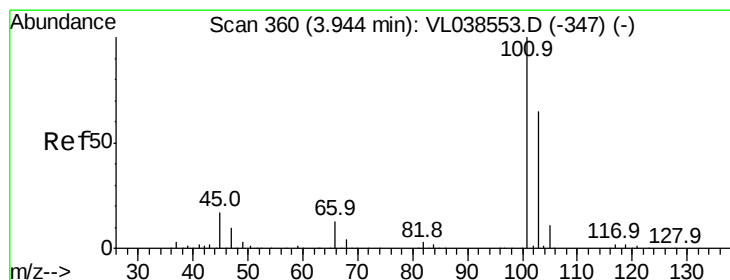
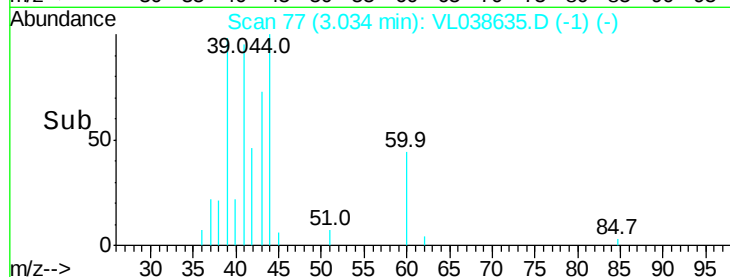
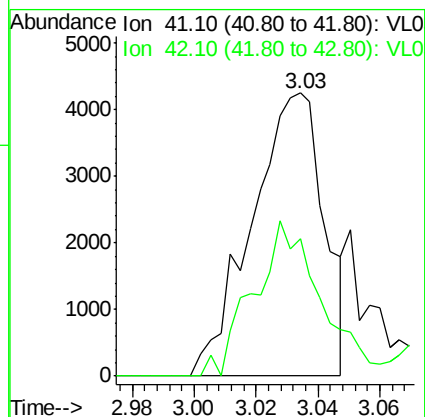
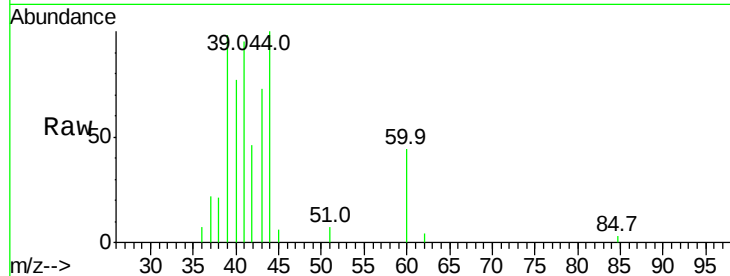
Acq: 17 Mar 2022 21:05

Tgt Ion: 41 Resp: 6911

Ion Ratio Lower Upper

41 100

42 54.0 55.7 83.5#



#11

Trichlorofluoromethane

Concen: 0.02 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL038635.D

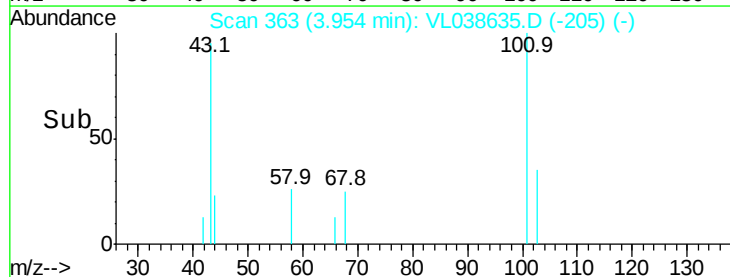
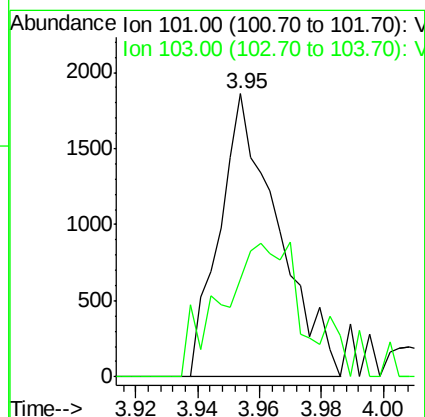
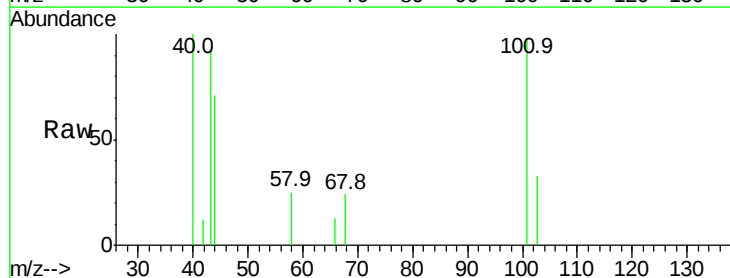
Acq: 17 Mar 2022 21:05

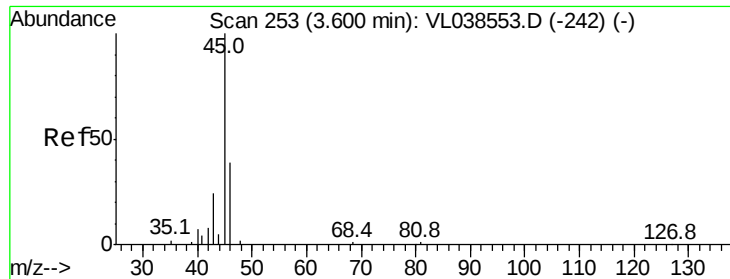
Tgt Ion: 101 Resp: 2434

Ion Ratio Lower Upper

101 100

103 19.7 52.0 78.0#





#13

Ethanol

Concen: 0.98 ppbv

RT: 3.63 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

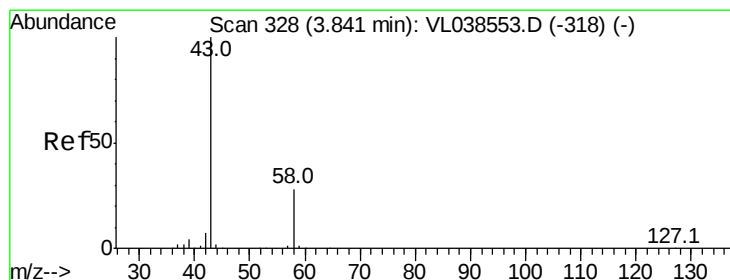
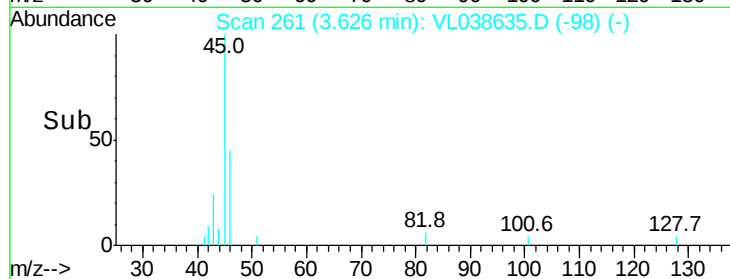
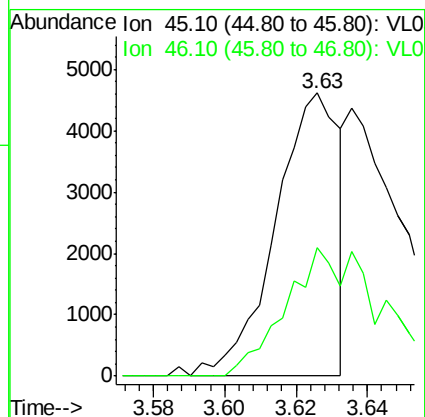
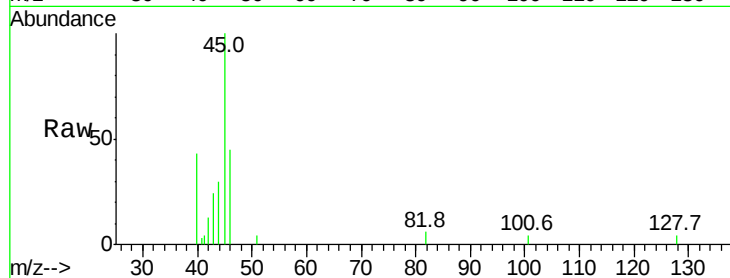
Acq: 17 Mar 2022 21:05 C0PA6DL

Tgt Ion: 45 Resp: 5717

Ion Ratio Lower Upper

45 100

46 82.5 16.8 67.0#



#15

Acetone

Concen: 0.58 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.03 min

Lab File: VL038635.D

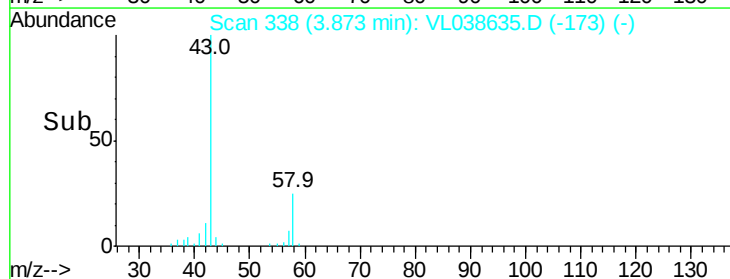
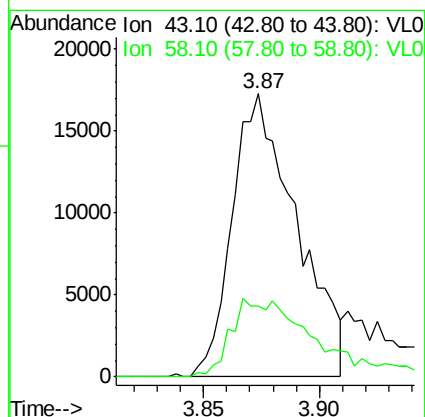
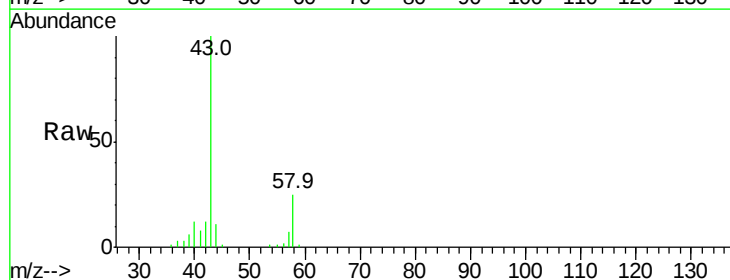
Acq: 17 Mar 2022 21:05

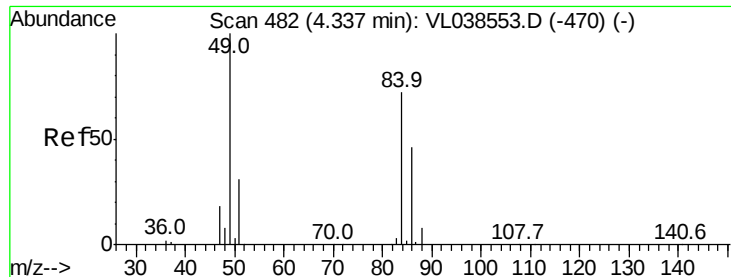
Tgt Ion: 43 Resp: 33273

Ion Ratio Lower Upper

43 100

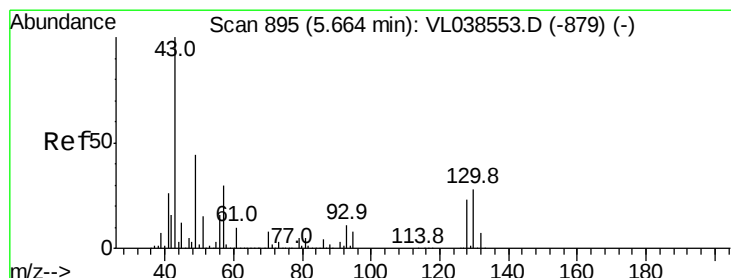
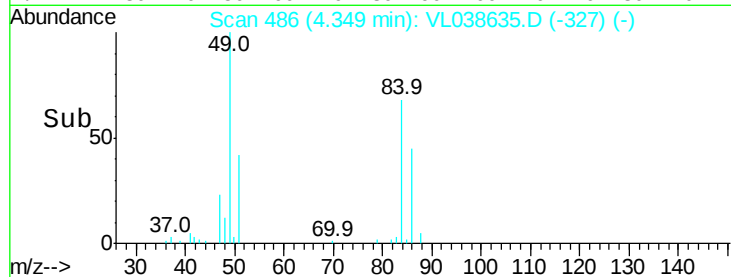
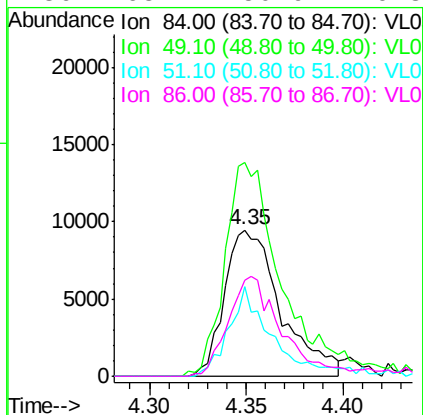
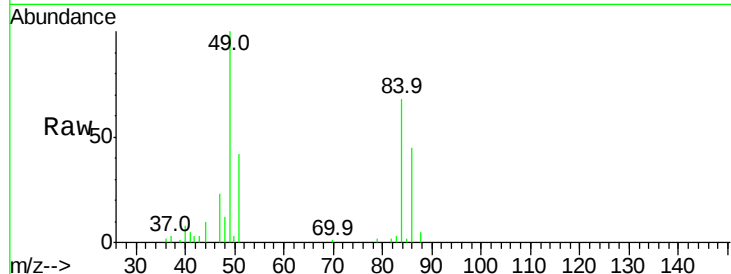
58 38.6 22.7 34.1#





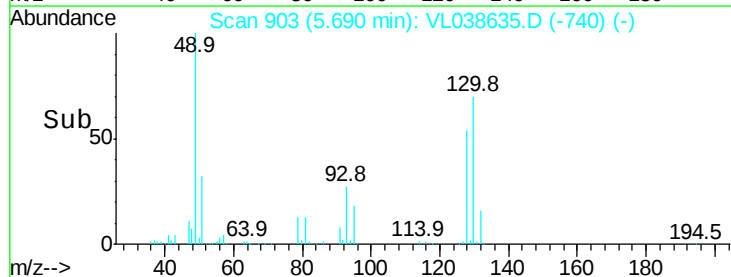
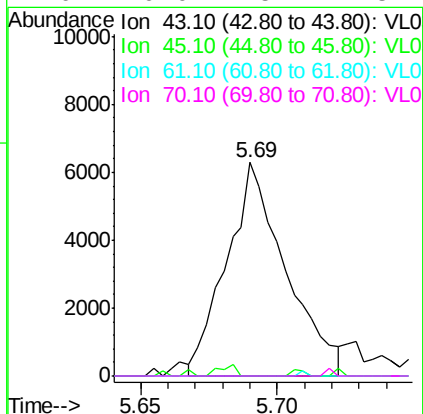
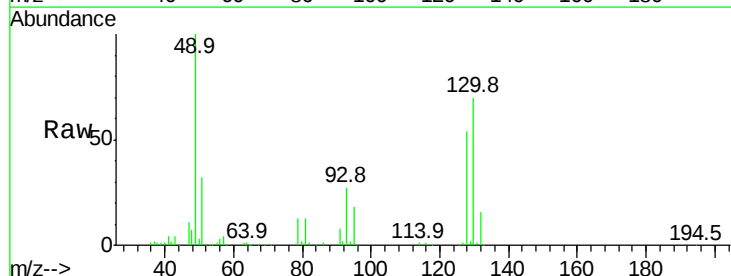
#20
Methylene Chloride
Concen: 0.55 ppbv
RT: 4.35
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COPA6DL
Acq: 17 Mar 2022 21:05

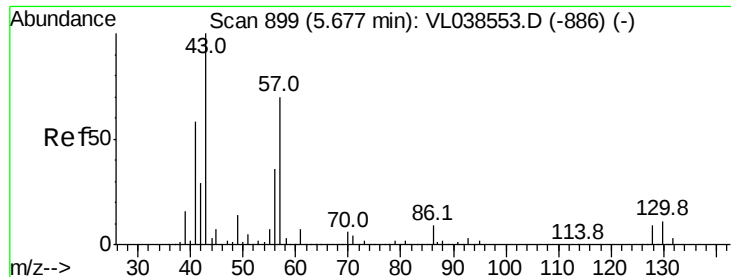
Tgt Ion:	84	Resp:	19136
Ion	Ratio	Lower	Upper
84	100		
49	142.4	111.1	166.7
51	60.9	34.0	51.0#
86	65.2	50.9	76.3



#25
Ethyl Acetate
Concen: 0.05 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL038635.D
Acq: 17 Mar 2022 21:05

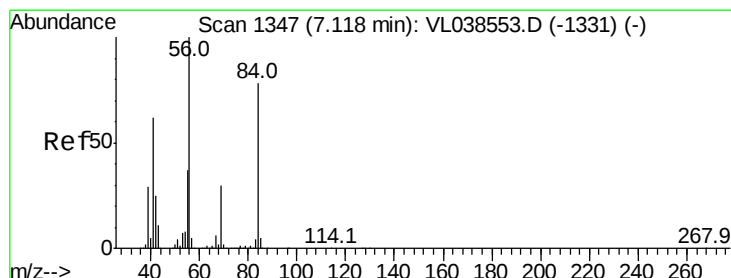
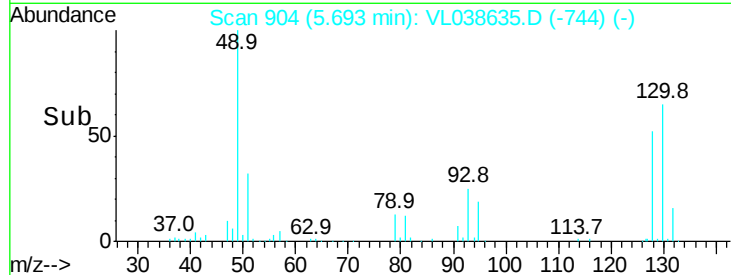
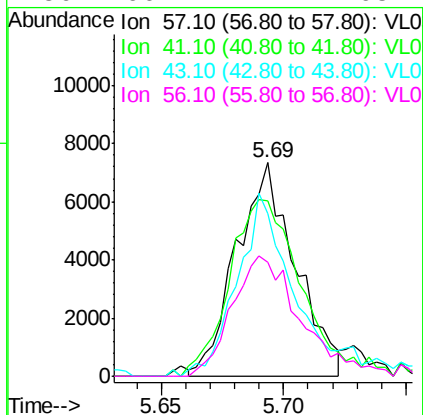
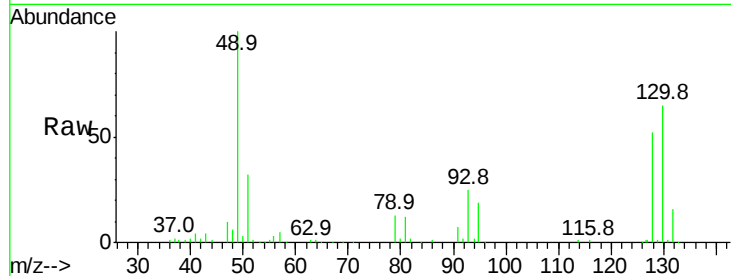
Tgt Ion:	43	Resp:	9473
Ion	Ratio	Lower	Upper
43	100		
45	2.2	8.0	12.0#
61	0.0	8.2	12.4#
70	0.0	5.4	8.2#





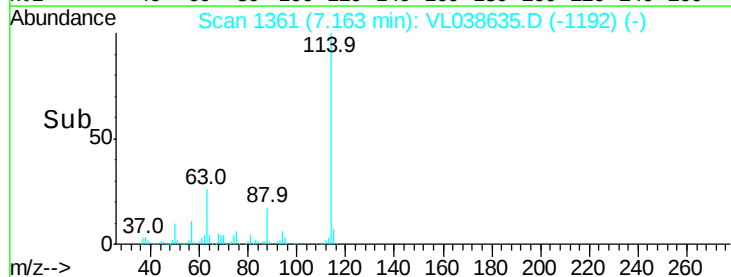
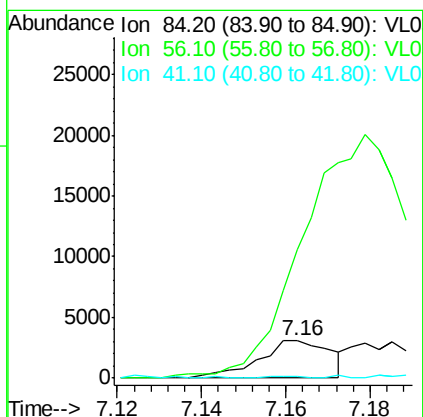
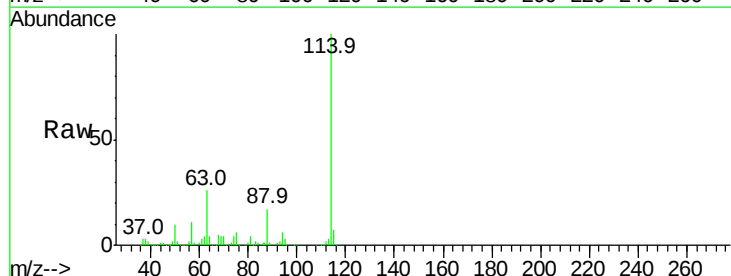
#26
Hexane
Concen: 0.14 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 21:05

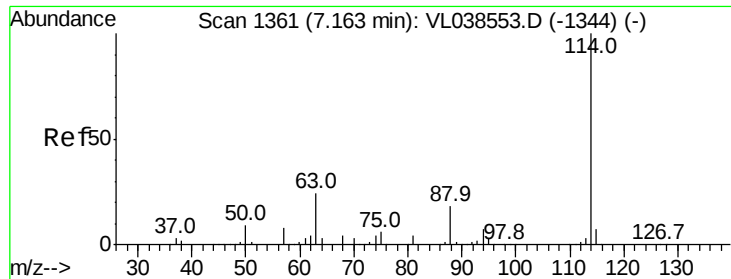
Tgt Ion:	57	Resp:	12298
Ion	Ratio	Lower	Upper
57	100		
41	106.3	67.8	101.6#
43	92.1	173.6	260.4#
56	66.4	42.2	63.2#



#30
Cyclohexane
Concen: 0.05 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.04 min
Lab File: VL038635.D
Acq: 17 Mar 2022 21:05

Tgt Ion:	84	Resp:	3636
Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.4	167.0#
41	5.7	65.5	98.3#

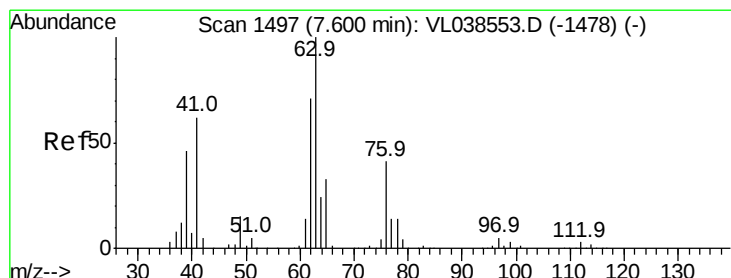
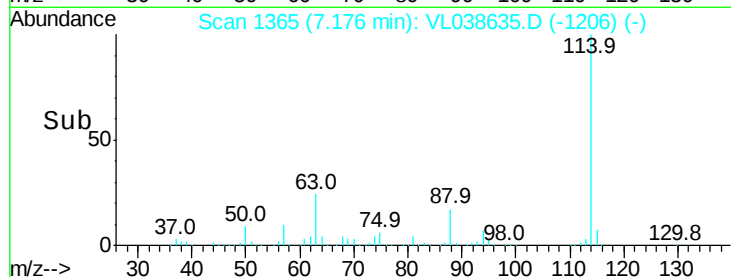
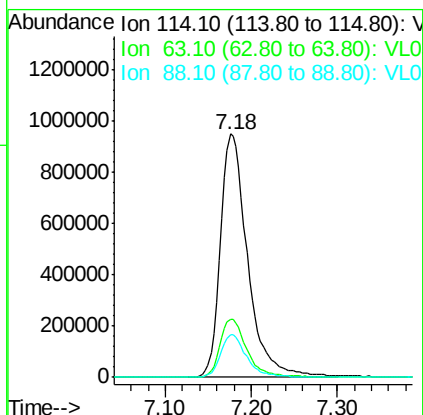
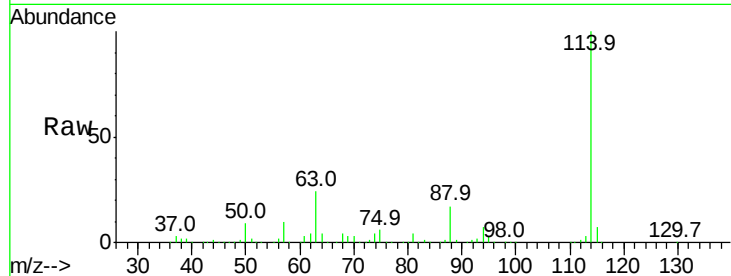




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 C0PA6DL
 Acq: 17 Mar 2022 21:05

Tgt Ion: 114 Resp: 2098642

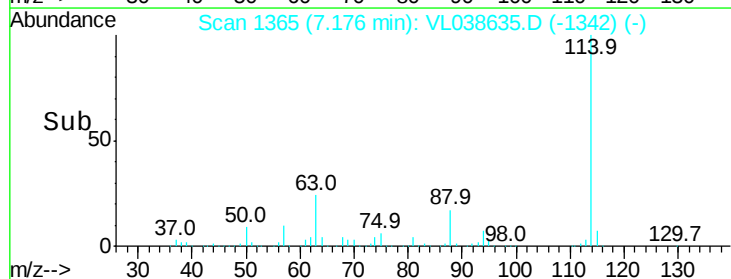
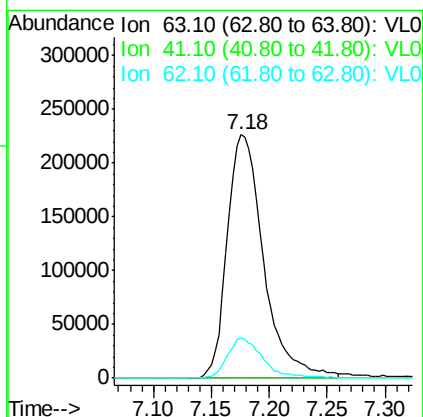
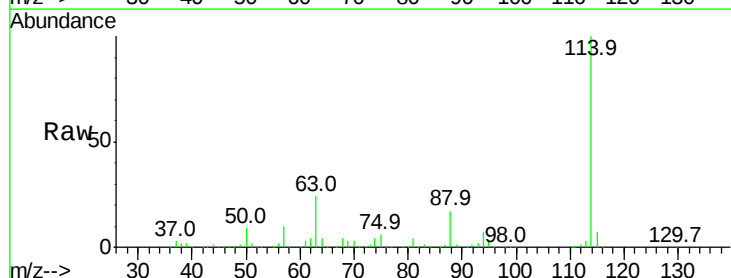
Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.6	29.4
88	17.3	13.9	20.9

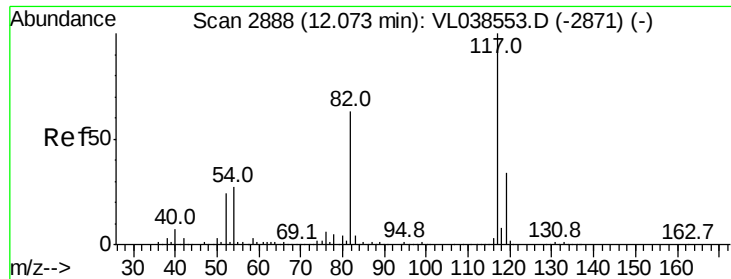


#39
 1,2-Dichloropropane
 Concen: 6.74 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.42 min
 Lab File: VL038635.D
 Acq: 17 Mar 2022 21:05

Tgt Ion: 63 Resp: 491008

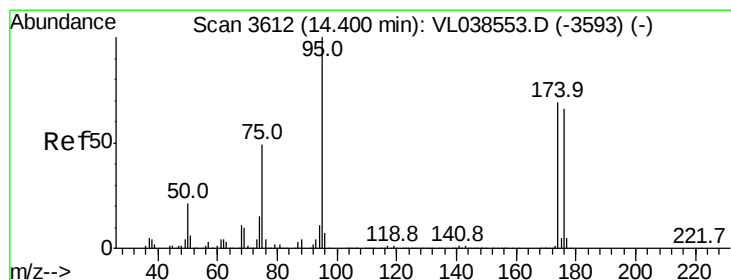
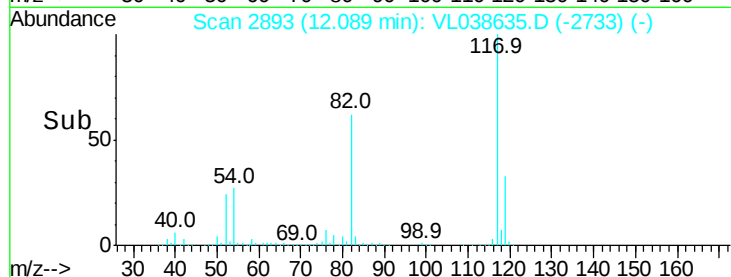
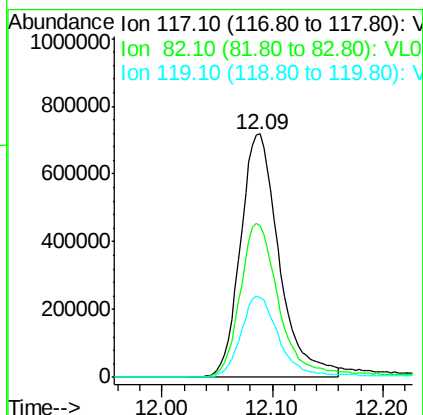
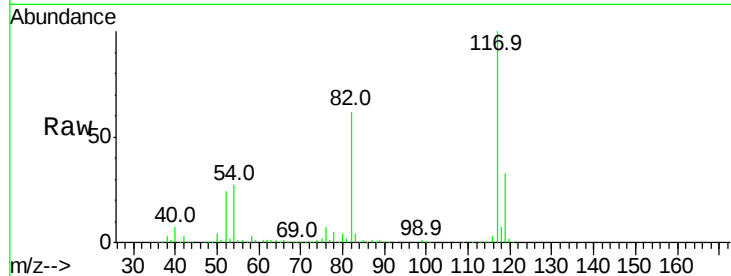
Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	16.4	56.7	85.1#





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 C0PA6DL
 Acq: 17 Mar 2022 21:05

Tgt Ion: 117 Resp: 1744587
 Ion Ratio Lower Upper
 117 100
 82 67.7 52.5 78.7
 119 34.2 46.4 69.6#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.11 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T.: 0.02 min
 Lab File: VL038635.D
 Acq: 17 Mar 2022 21:05

Tgt Ion: 95 Resp: 1208832
 Ion Ratio Lower Upper
 95 100
 174 74.1 56.2 84.4
 175 5.4 4.2 6.2

