

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072022\
 Data File : VL039513.D
 Acq On : 20 Jul 2022 16:38
 Operator : SY/AP
 Sample : N3750-02DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL2

Quant Time: Jul 21 06:05:58 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	905988	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	2676672	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	2297582	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1769201	10.38	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

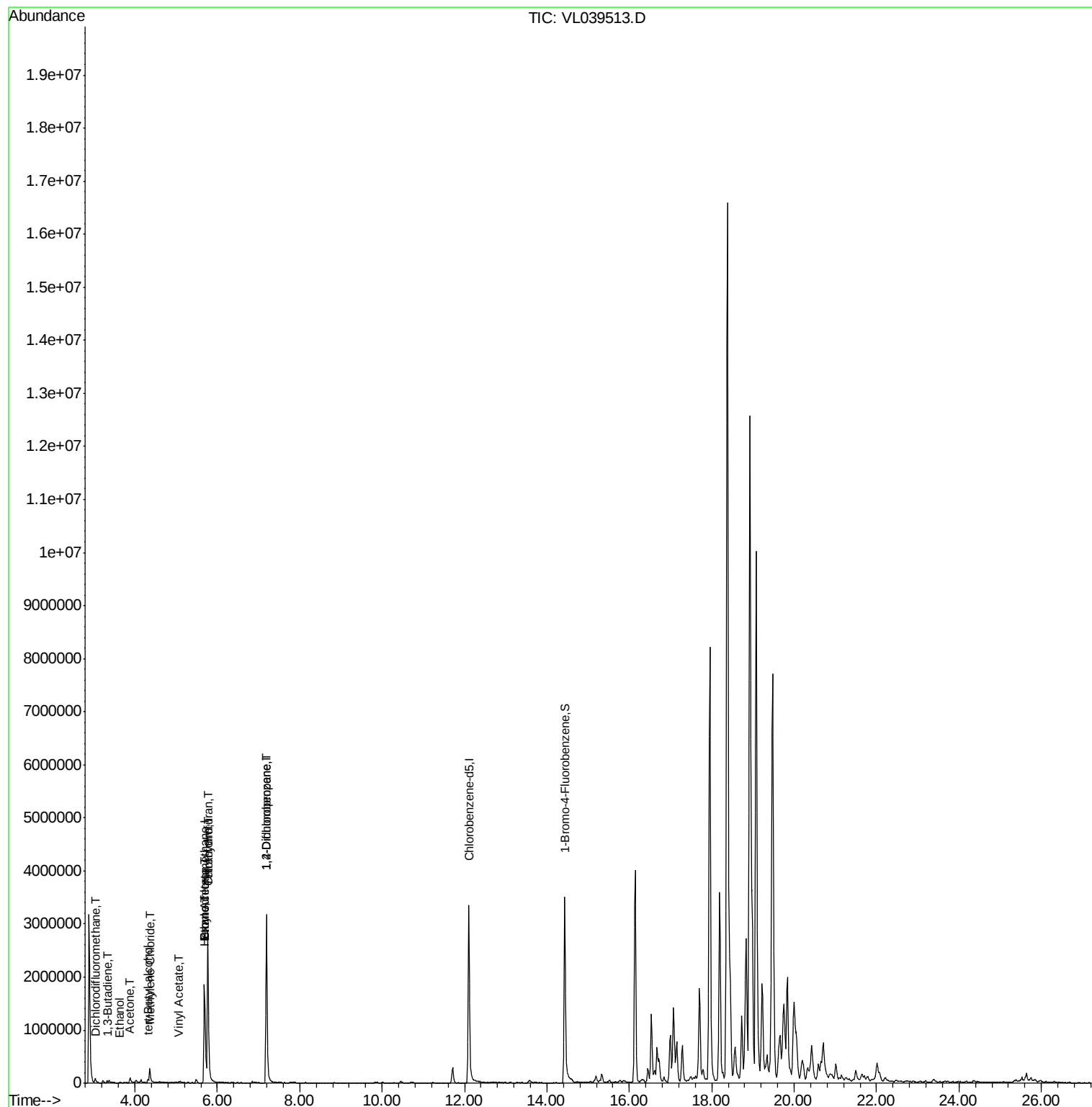
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	4045	0.031	ppbv #	86
13) Ethanol	3.62	45	1236	0.410	ppbv #	1
15) Acetone	3.88	43	120132	1.121	ppbv #	88
16) 1,3-Butadiene	3.34	39	2005	0.036	ppbv #	10
17) tert-Butyl alcohol	4.33	59	14463	0.159	ppbv #	45
20) Methylene Chloride	4.36	84	101907	2.385	ppbv	99
23) Vinyl Acetate	5.07	43	2307	0.032	ppbv #	54
25) Ethyl Acetate	5.70	43	143385	0.652	ppbv #	74
26) Hexane	5.70	57	199716	2.254	ppbv #	36
29) Chloroform	5.77	83	2318143	15.048	ppbv	99
39) 1,2-Dichloropropane	7.19	63	657016	8.490	ppbv #	26
41) Tetrahydrofuran	5.77	42	3359	0.043	ppbv #	67

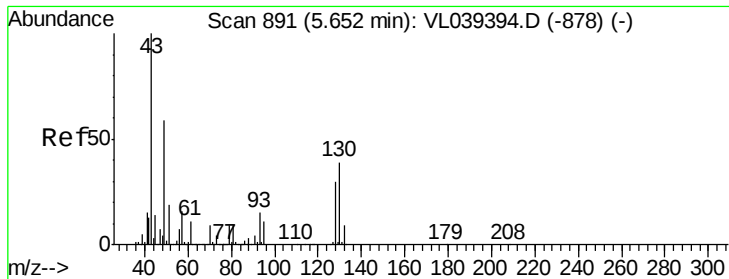
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

Quant Time: Jul 21 06:05:58 2022
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QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV-2DL2

Acq: 20 Jul 2022 16:38

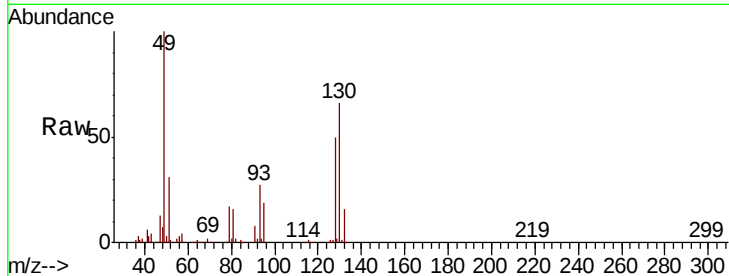
Tot Ion: 49 Resp: 905988

Ion Ratio Lower Upper

49 100

128 56.4 26.7 80.0

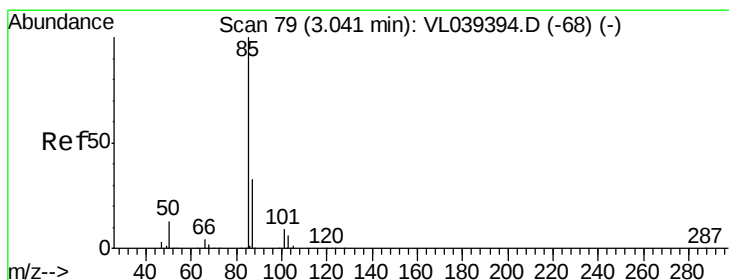
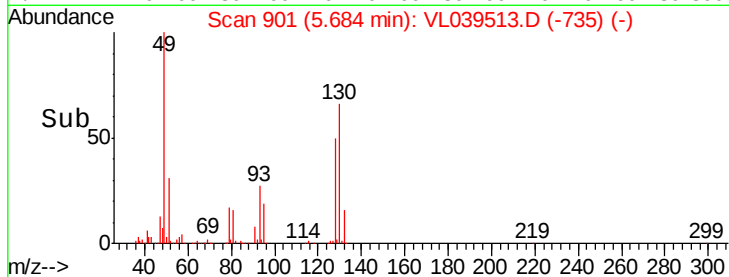
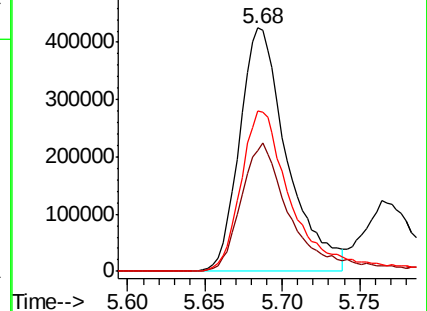
130 74.2 34.3 102.8



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: 0.031 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL039513.D

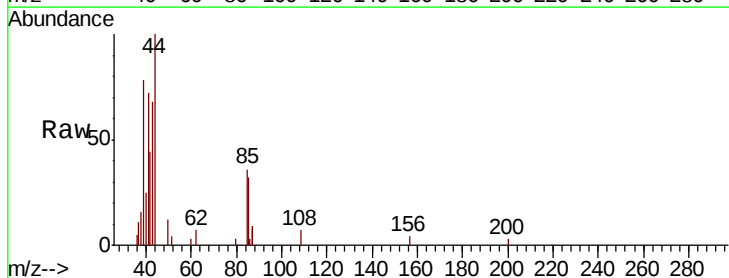
Acq: 20 Jul 2022 16:38

Tgt Ion: 85 Resp: 4045

Ion Ratio Lower Upper

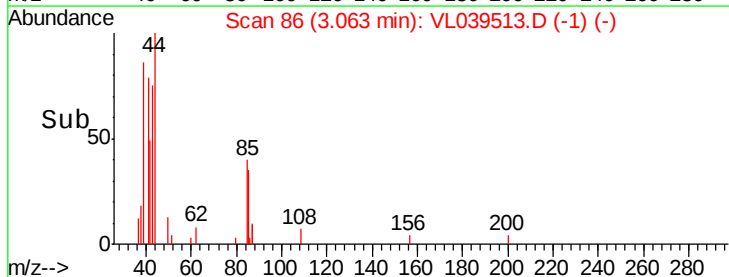
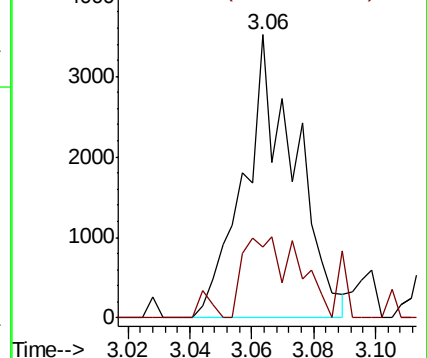
85 100

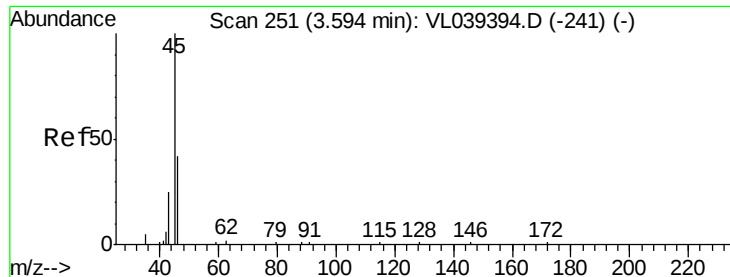
87 25.2 26.7 40.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

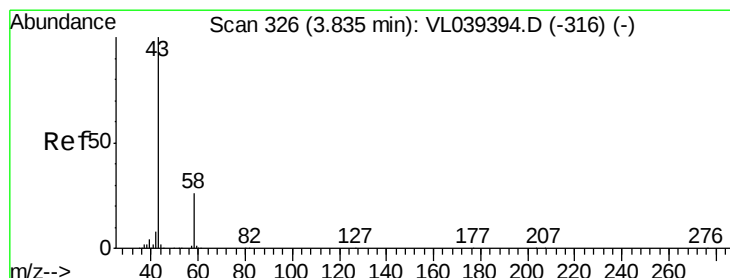
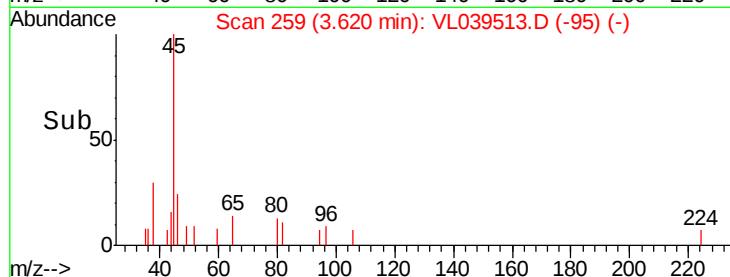
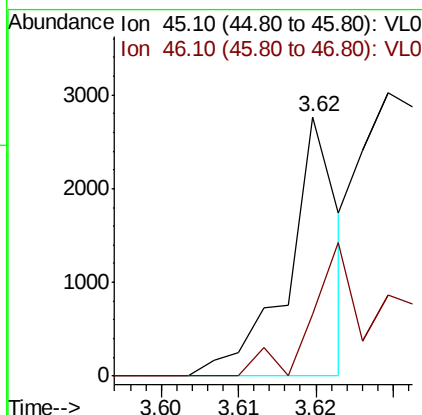
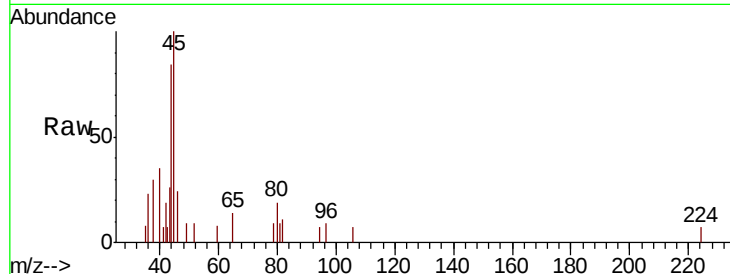
Ion 87.00 (86.70 to 87.70): VL0





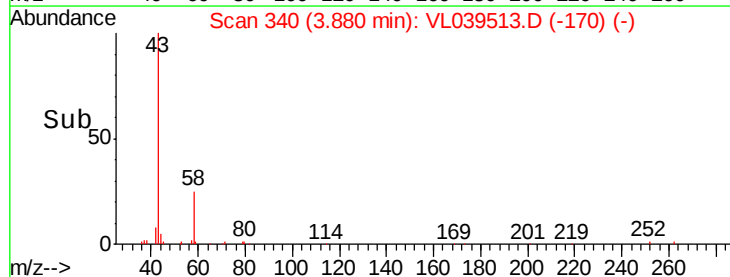
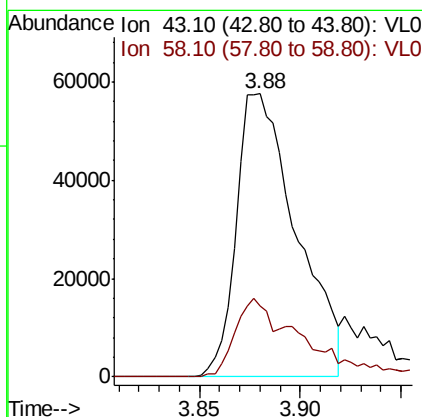
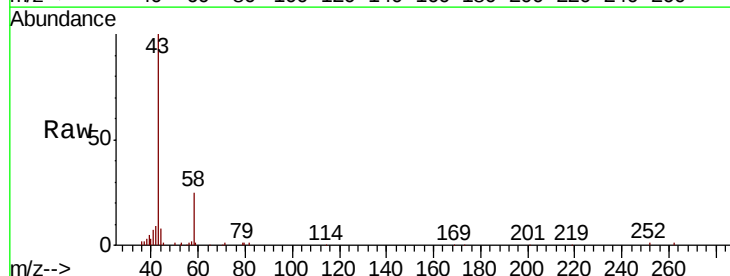
#13
Ethanol
Concen: 0.410 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV-2DL2
Acq: 20 Jul 2022 16:38

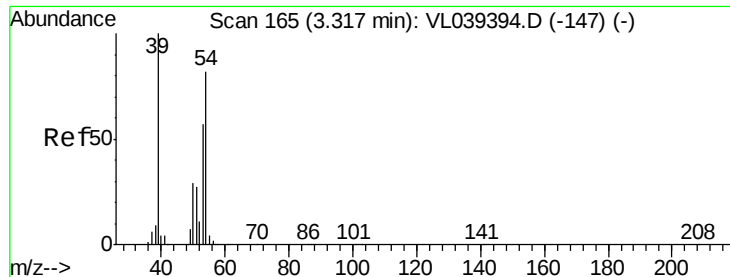
Tot Ion: 45 Resp: 1236
Ion Ratio Lower Upper
45 100
46 163.3 22.8 91.2#



#15
Acetone
Concen: 1.121 ppbv
RT: 3.88 min Scan# 340
Delta R.T. 0.05 min
Lab File: VL039513.D
Acq: 20 Jul 2022 16:38

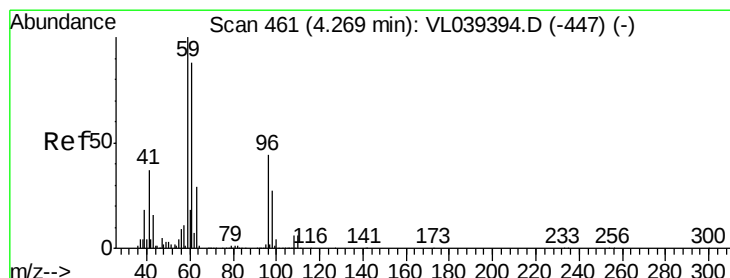
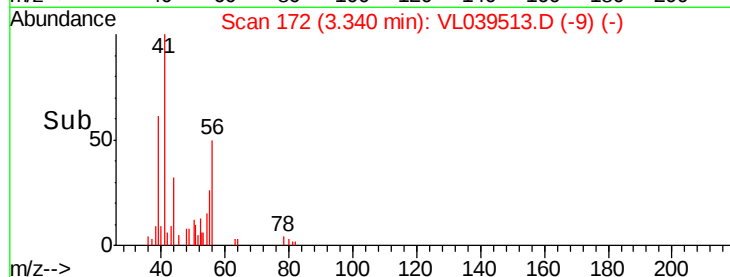
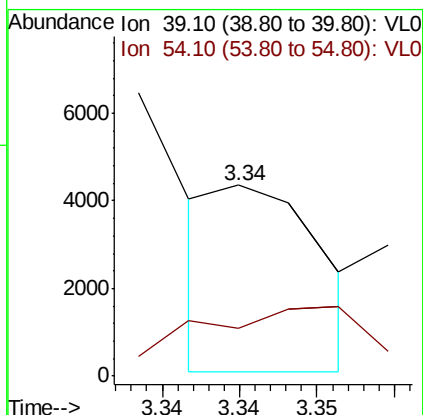
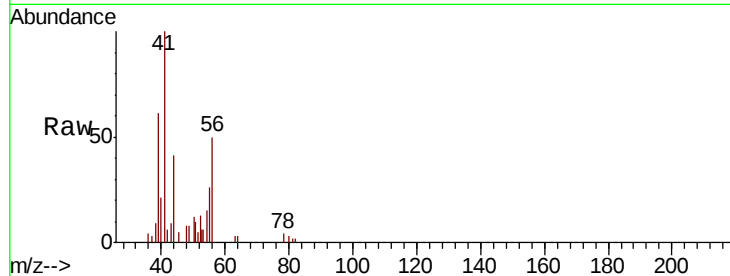
Tgt Ion: 43 Resp: 120132
Ion Ratio Lower Upper
43 100
58 32.3 21.0 31.6#





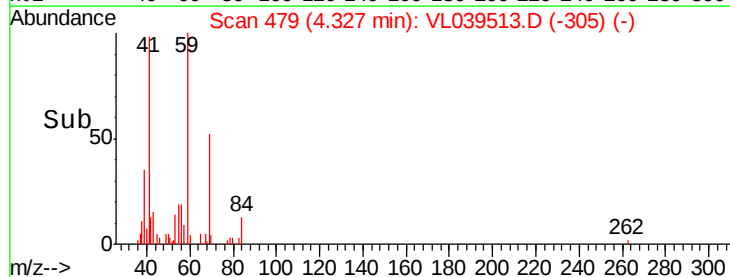
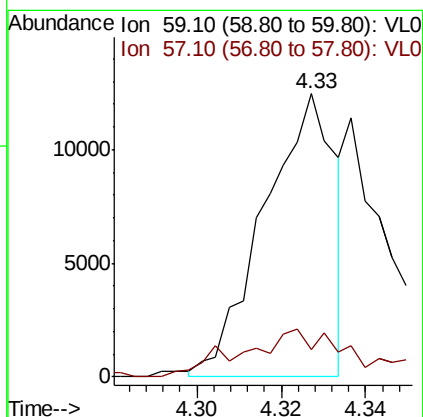
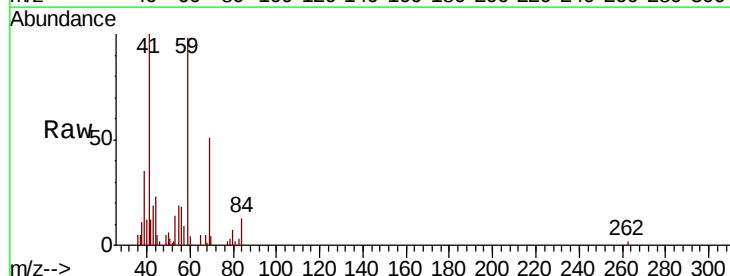
#16
 1,3-Butadiene
 Concen: 0.036 ppbv
 RT: 3.34
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-2DL2
 Acq: 20 Jul 2022 16:38

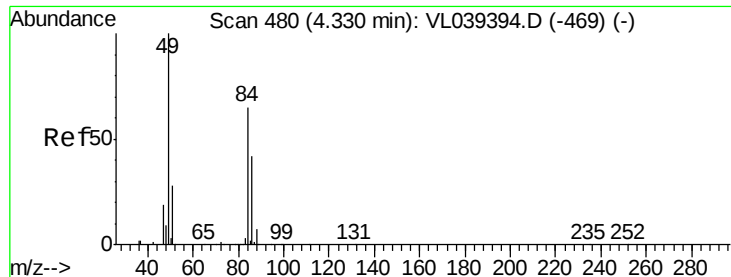
Tot Ion: 39 Resp: 2005
 Ion Ratio Lower Upper
 39 100
 54 0.0 63.7 95.5#



#17
 tert-Butyl alcohol
 Concen: 0.159 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. 0.06 min
 Lab File: VL039513.D
 Acq: 20 Jul 2022 16:38

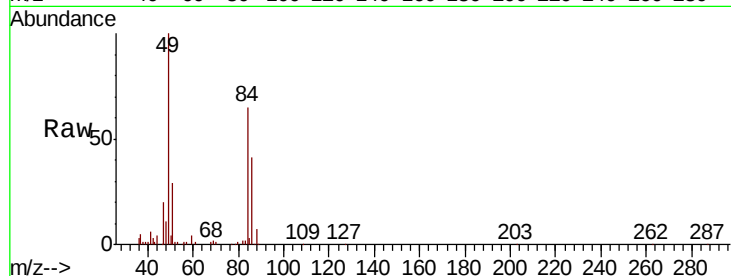
Tgt Ion: 59 Resp: 14463
 Ion Ratio Lower Upper
 59 100
 57 31.8 8.7 13.1#



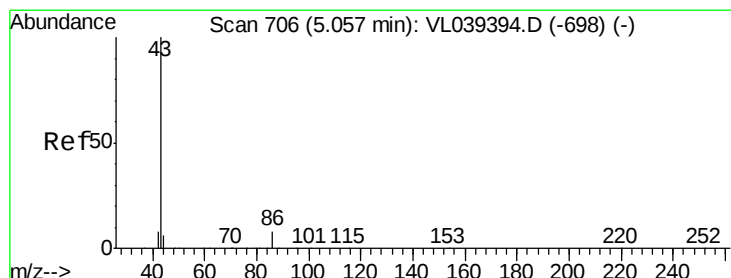
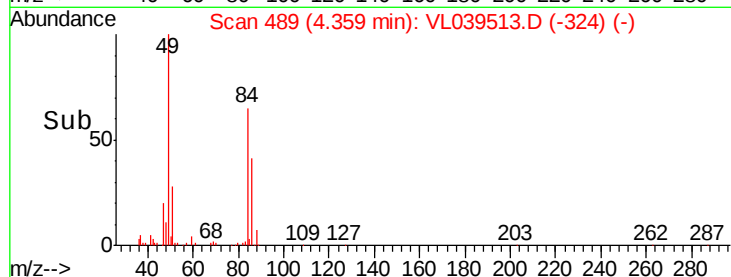
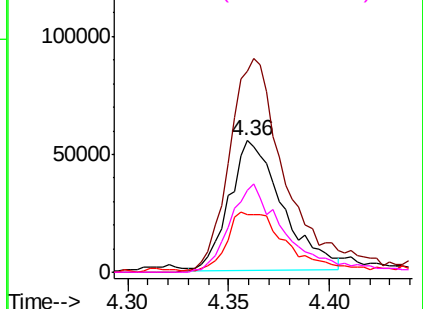


#20
Methylene Chloride
Concen: 2.385 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV-2DL2
Acq: 20 Jul 2022 16:38

Tot Ion:	84	Resp:	101907
Ion	Ratio	Lower	Upper
84	100		
49	155.5	123.1	184.7
51	43.6	34.4	51.6
86	64.4	51.1	76.7

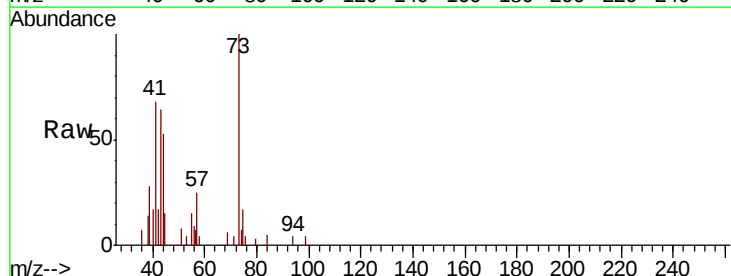


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

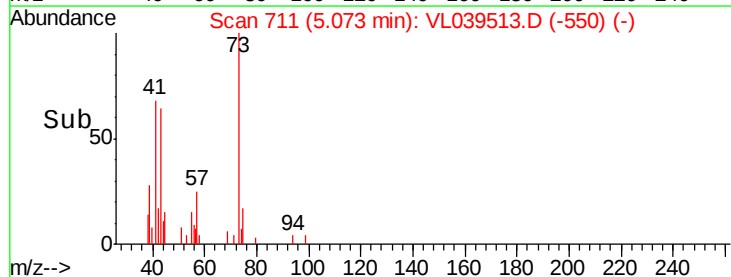
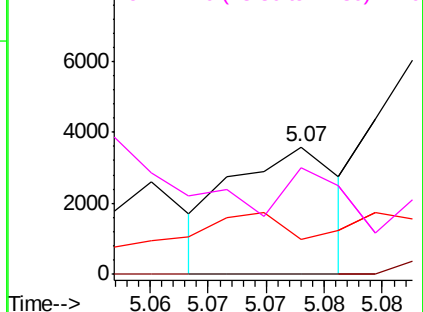


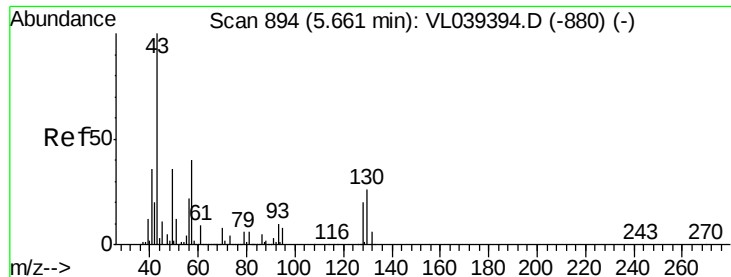
#23
Vinyl Acetate
Concen: 0.032 ppbv
RT: 5.07 min Scan# 711
Delta R.T.: 0.02 min
Lab File: VL039513.D
Acq: 20 Jul 2022 16:38

Tgt Ion:	43	Resp:	2307
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.6#
42	0.0	7.7	11.5#
44	42.3	4.6	7.0#



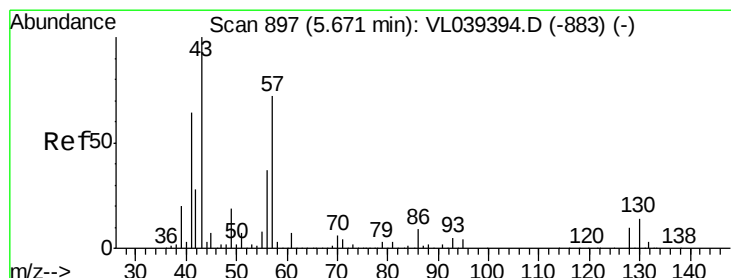
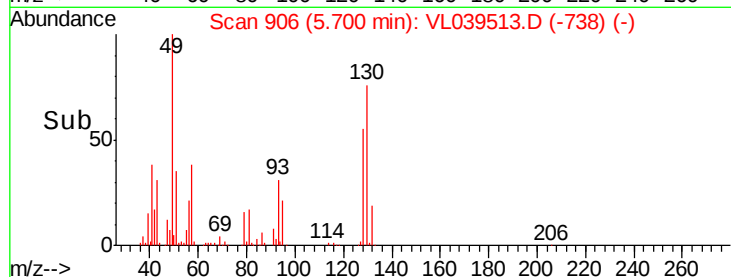
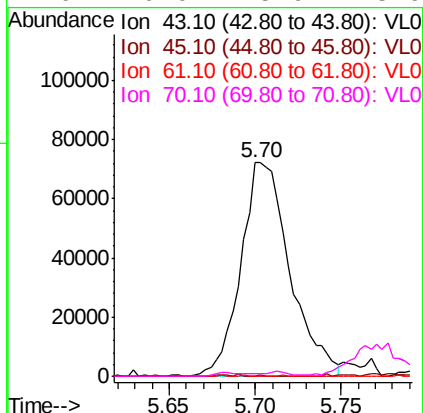
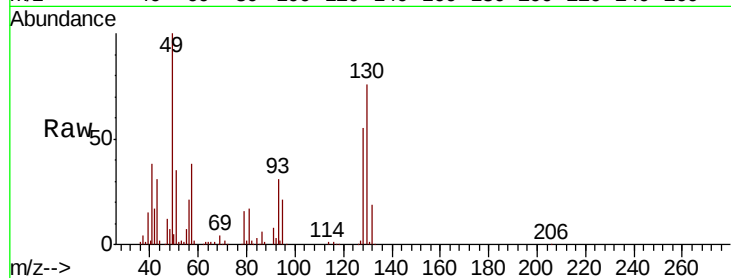
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





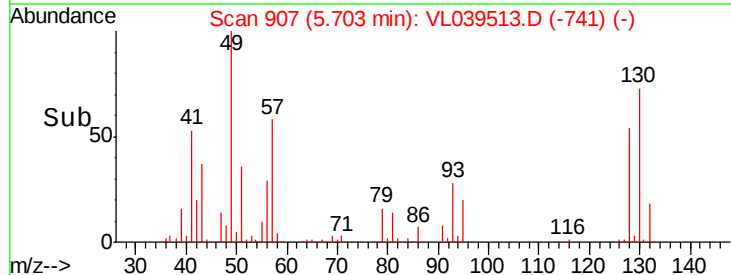
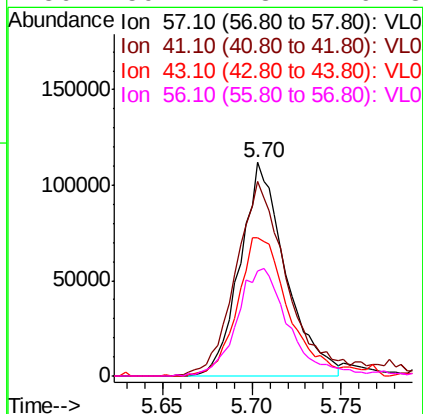
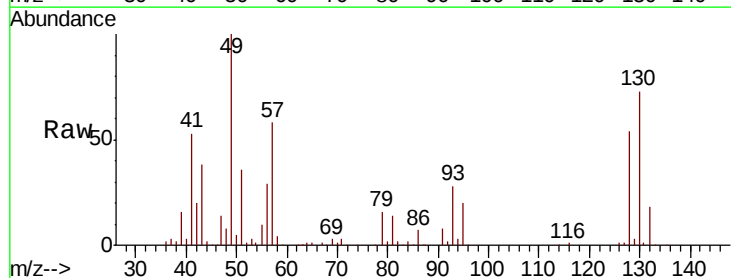
#25
Ethyl Acetate
Concen: 0.652 ppbv
RT: 5.70 min
Delta R.T.: 0.03 min
Lab File: VL039513.D
Acq: 20 Jul 2022 16:38

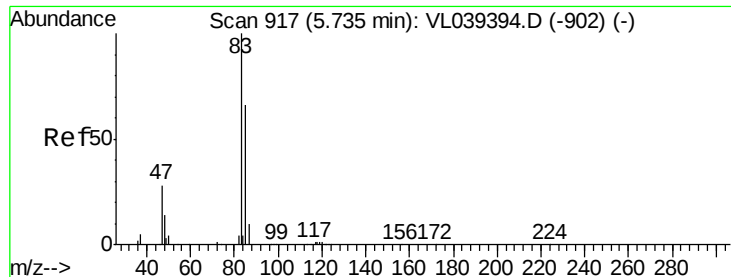
Tot Ion:	43	Resp:	143385
Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.2	12.4#
61	0.1	8.3	12.5#
70	0.0	5.9	8.9#



#26
Hexane
Concen: 2.254 ppbv
RT: 5.70 min Scan# 907
Delta R.T.: 0.03 min
Lab File: VL039513.D
Acq: 20 Jul 2022 16:38

Tgt Ion:	57	Resp:	199716
Ion	Ratio	Lower	Upper
57	100		
41	110.9	76.9	115.3
43	76.4	191.0	286.6#
56	59.1	43.2	64.8





#29

Chloroform

Concen: 15.048 ppbv

RT: 5.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV-2DL2

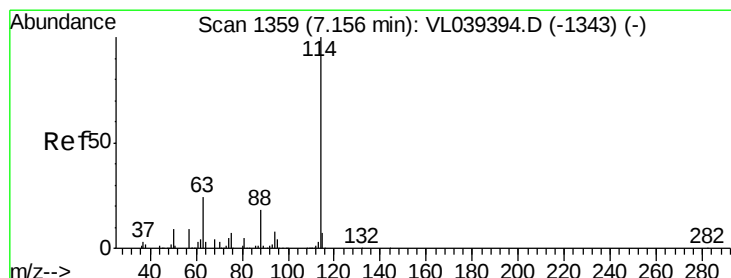
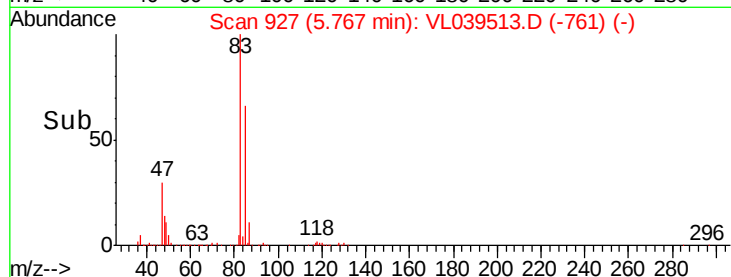
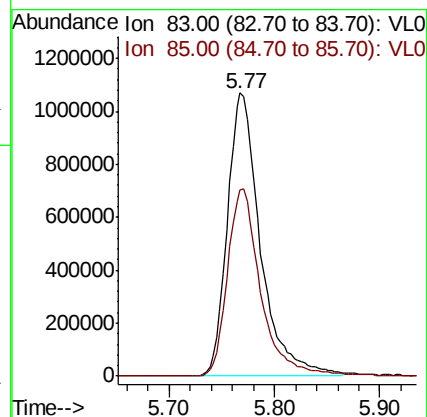
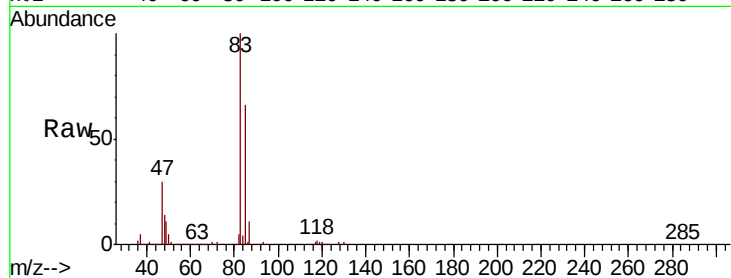
Acq: 20 Jul 2022 16:38

Tot Ion: 83 Resp: 2318143

Ion Ratio Lower Upper

83 100

85 65.5 52.8 79.2



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.04 min

Lab File: VL039513.D

Acq: 20 Jul 2022 16:38

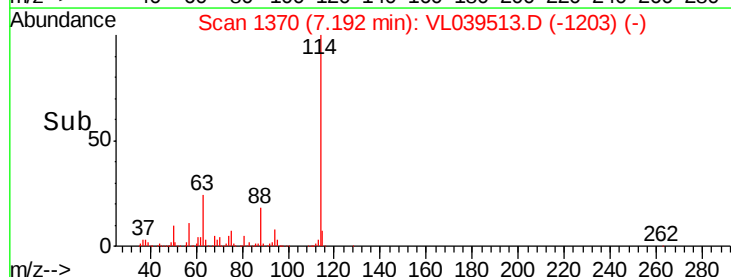
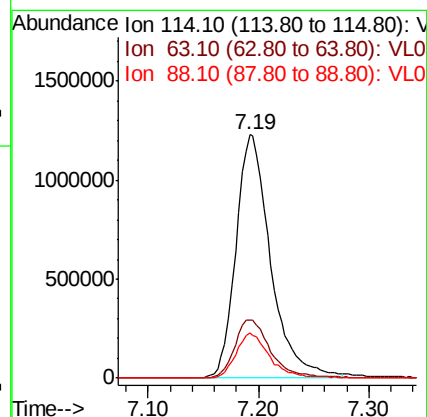
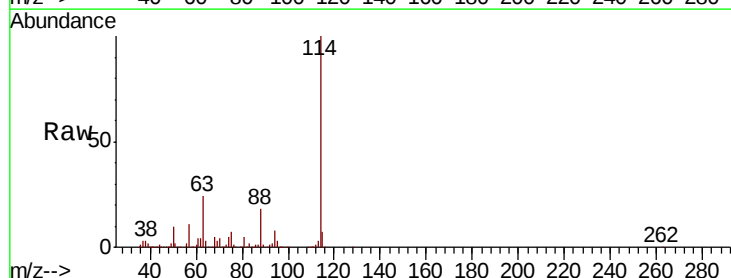
Tgt Ion: 114 Resp: 2676672

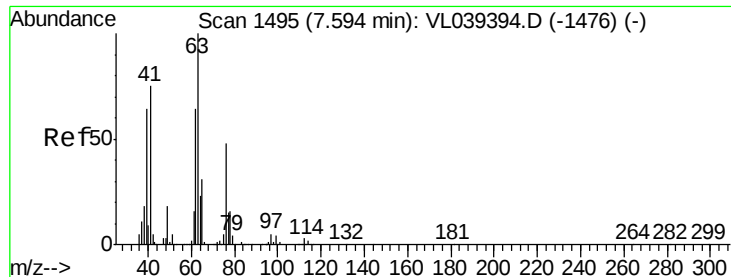
Ion Ratio Lower Upper

114 100

63 25.2 20.2 30.4

88 18.3 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.490 ppbv

RT: 7.19 Instrument: MSVOA_1

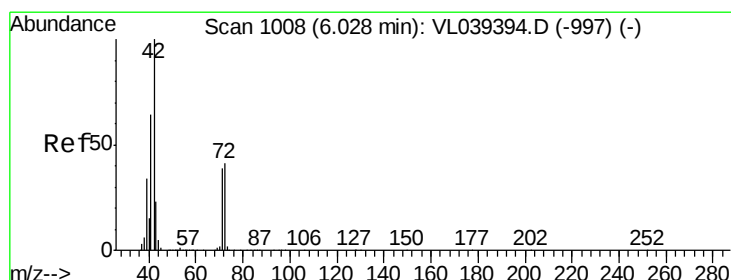
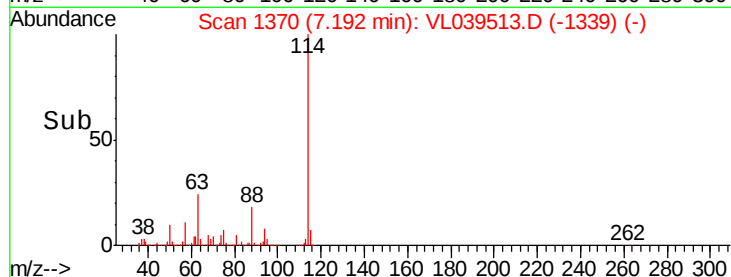
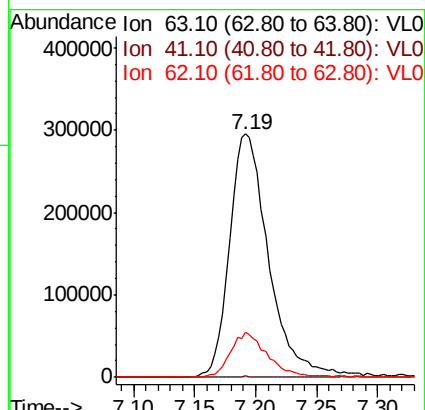
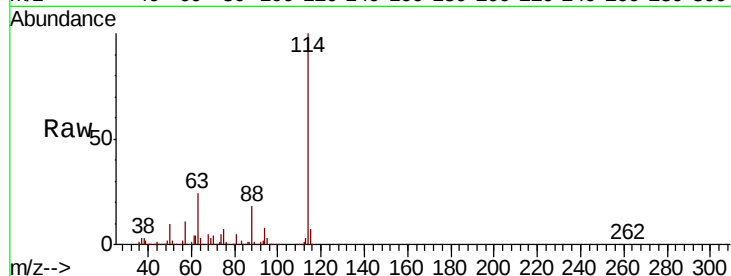
Delta R.T. ClientSampleId:

Lab File: SV-2DL2

Acq: 20 Jul 2022 16:38

Tot Ion: 63 Resp: 657016

Ion	Ratio	Lower	Upper
63	100		
41	0.2	59.6	89.4#
62	18.5	51.4	77.0#



#41

Tetrahydrofuran

Concen: 0.043 ppbv

RT: 5.77 min Scan# 929

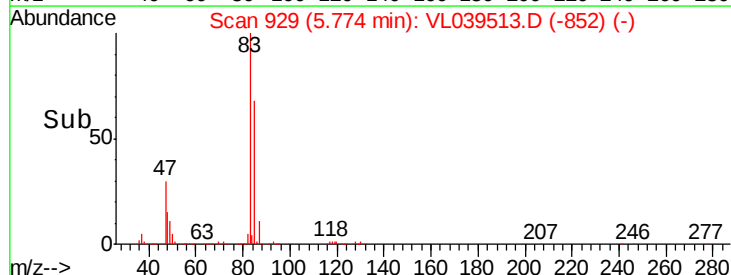
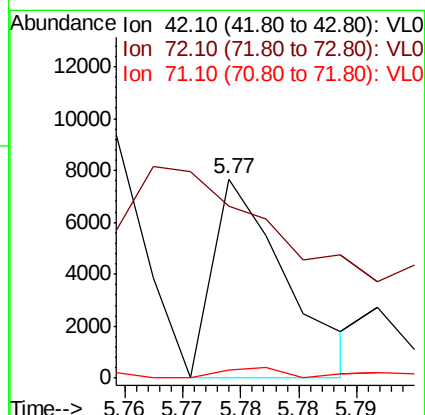
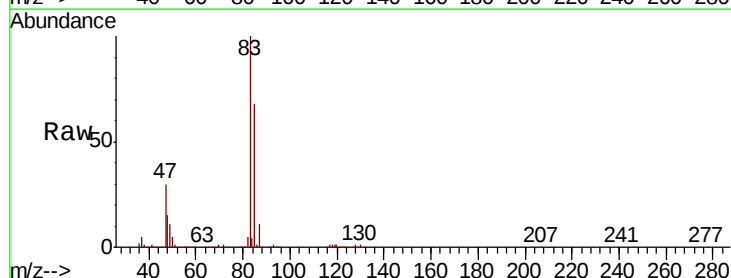
Delta R.T. -0.25 min

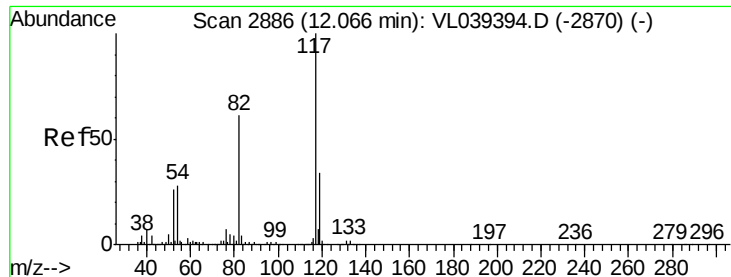
Lab File: VL039513.D

Acq: 20 Jul 2022 16:38

Tgt Ion: 42 Resp: 3359

Ion	Ratio	Lower	Upper
42	100		
72	22.1	31.8	47.8#
71	17.4	31.8	47.8#

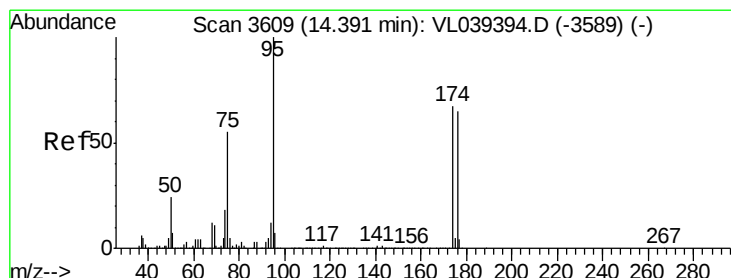
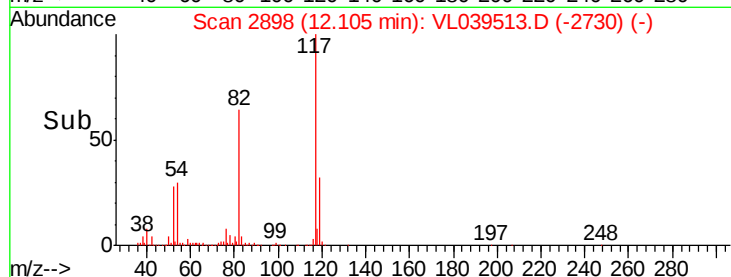
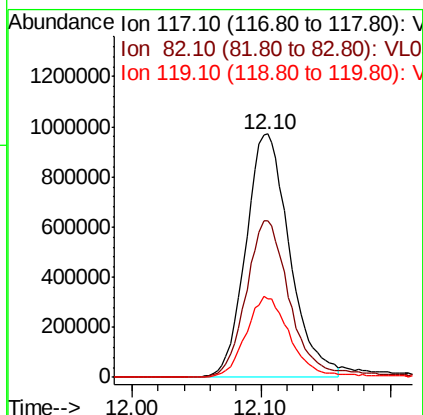
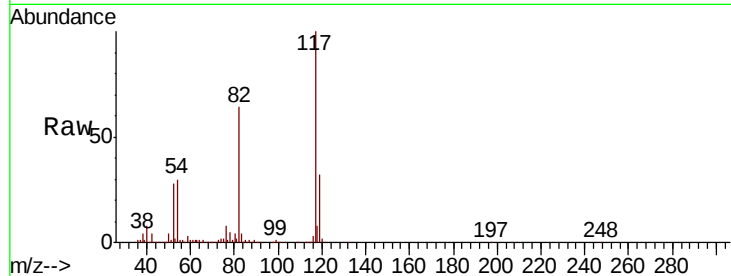




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV-2DL2
 Acq: 20 Jul 2022 16:38

Tot Ion:117 Resp: 2297582

Ion	Ratio	Lower	Upper
117	100		
82	66.0	50.8	76.2
119	34.4	24.1	36.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.380 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T.: 0.04 min
 Lab File: VL039513.D
 Acq: 20 Jul 2022 16:38

Tgt Ion: 95 Resp: 1769201

Ion	Ratio	Lower	Upper
95	100		
174	72.5	55.9	83.9
175	5.3	4.2	6.4

