

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
 Data File : VL039486.D
 Acq On : 19 Jul 2022 17:29
 Operator : SY/AP
 Sample : N3750-01DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Quant Time: Jul 20 05:39:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	1252290	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3543189	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3173959	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2391562	10.16	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

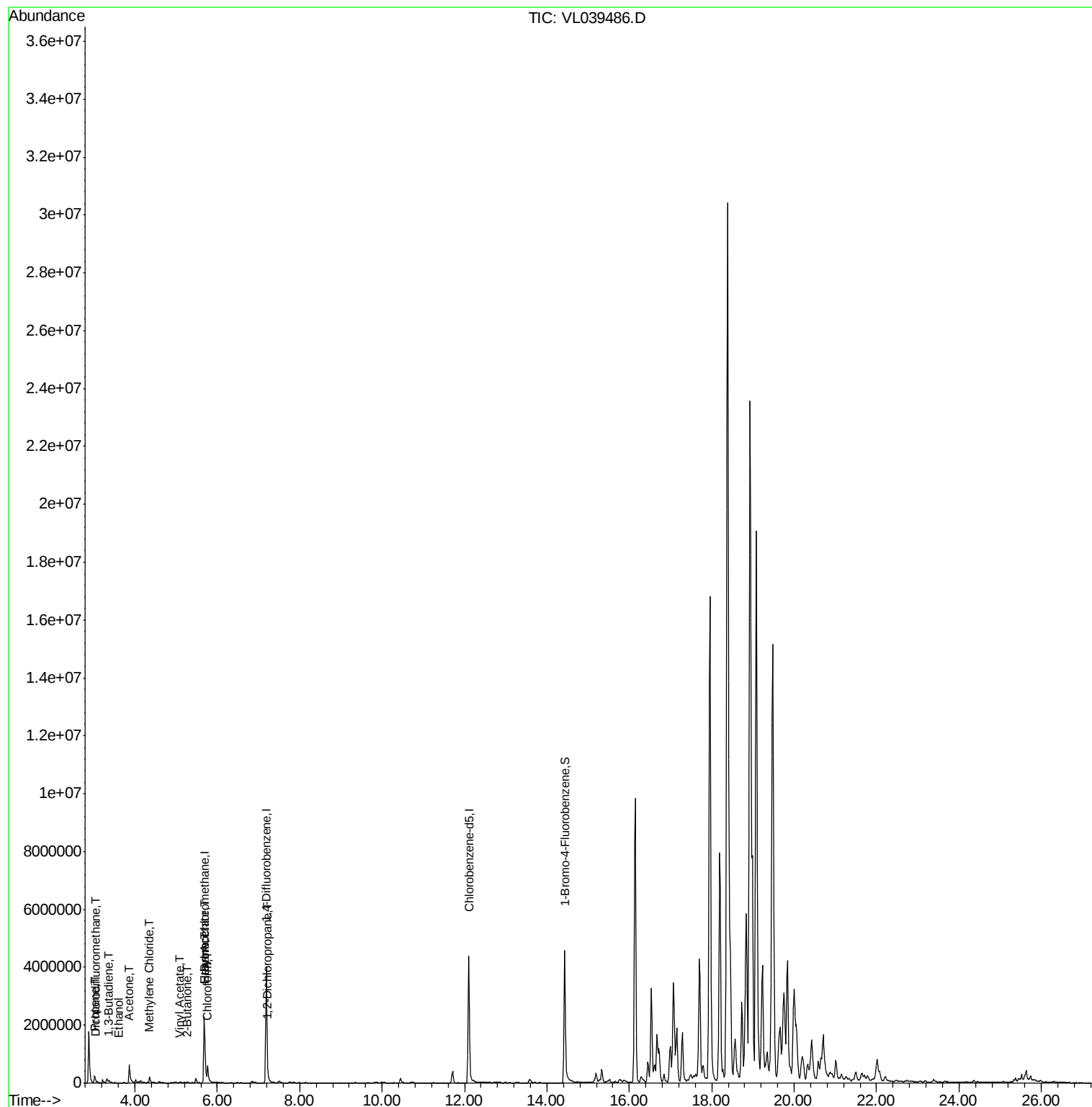
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	6432	0.036	ppbv #	72
9) Propene	3.02	41	117096	1.632	ppbv	92
13) Ethanol	3.60	45	577	0.139	ppbv #	23
15) Acetone	3.86	43	803720	5.425	ppbv #	89
16) 1,3-Butadiene	3.35	39	4593	0.060	ppbv #	1
20) Methylene Chloride	4.36	84	83864	1.420	ppbv	87
23) Vinyl Acetate	5.08	43	11910	0.120	ppbv #	72
25) Ethyl Acetate	5.70	43	120128	0.395	ppbv #	77
26) Hexane	5.70	57	181056	1.479	ppbv #	38
29) Chloroform	5.76	83	425914	2.000	ppbv	97
34) 2-Butanone	5.27	43	26102	0.146	ppbv #	53
39) 1,2-Dichloropropane	7.23	63	26224	0.256	ppbv #	23

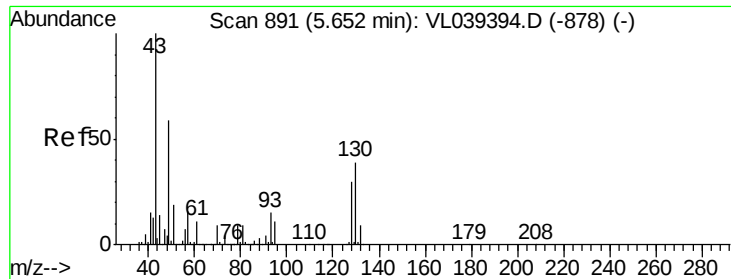
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Quant Time: Jul 20 05:39:06 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
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.

Lab File: ClientSampleId:

Acq: 19 Jul 2022 17:29 SV-1DL

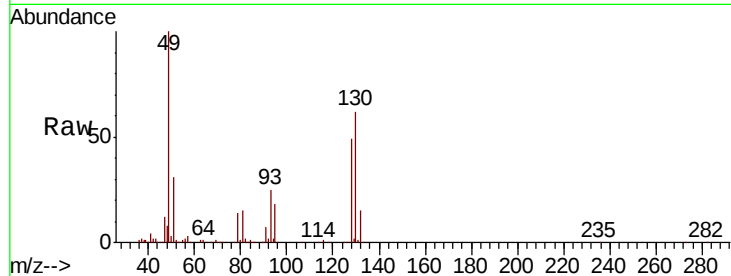
Tot Ion: 49 Resp: 1252290

Ion Ratio Lower Upper

49 100

128 52.0 26.7 80.0

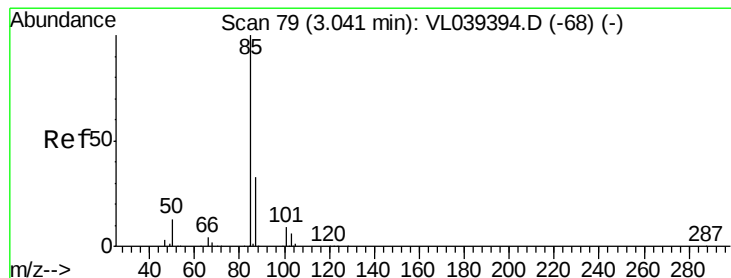
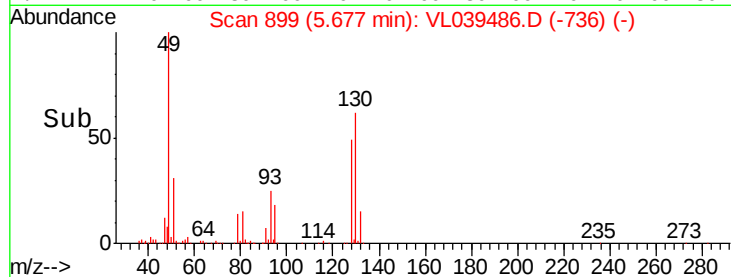
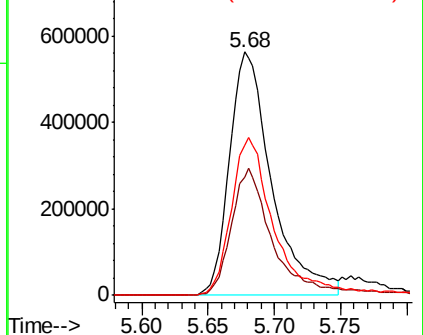
130 67.6 34.3 102.8



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: 0.036 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL039486.D

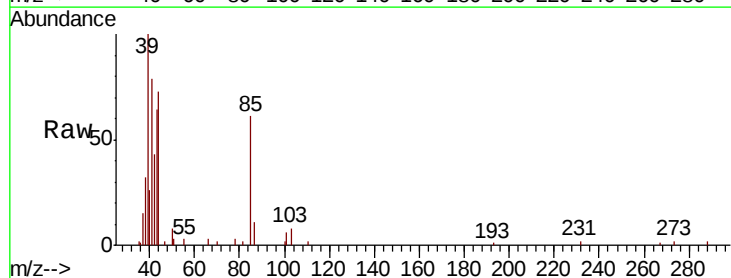
Acq: 19 Jul 2022 17:29

Tgt Ion: 85 Resp: 6432

Ion Ratio Lower Upper

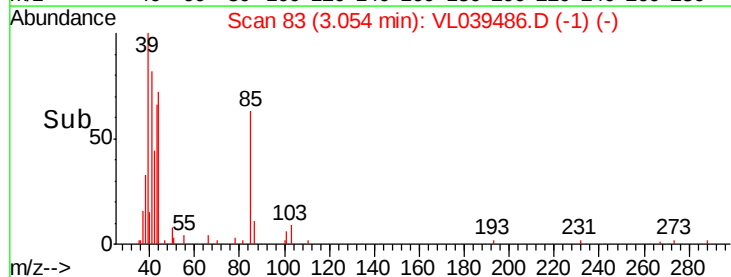
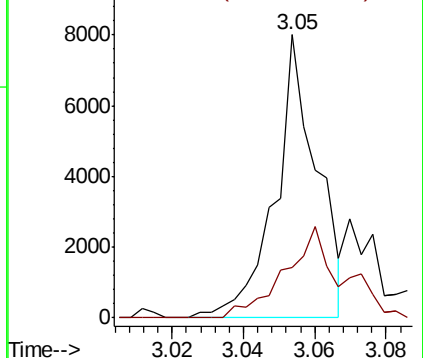
85 100

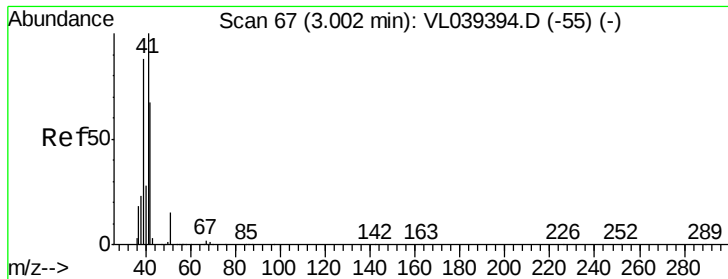
87 17.7 26.7 40.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 1.632 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV-1DL

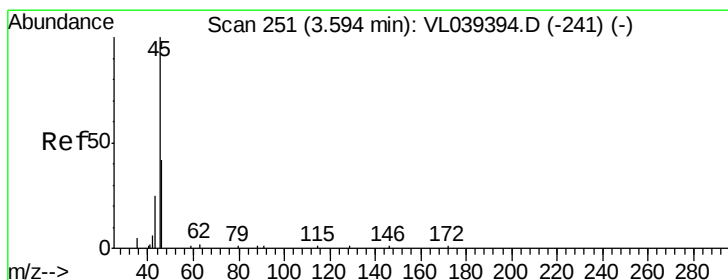
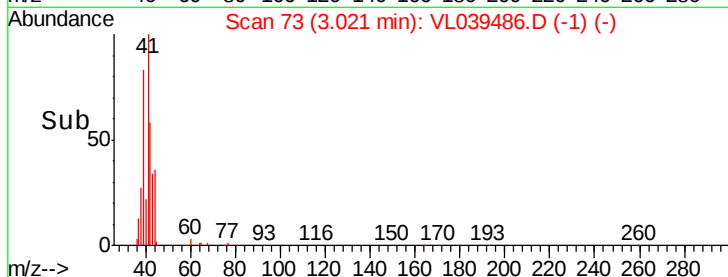
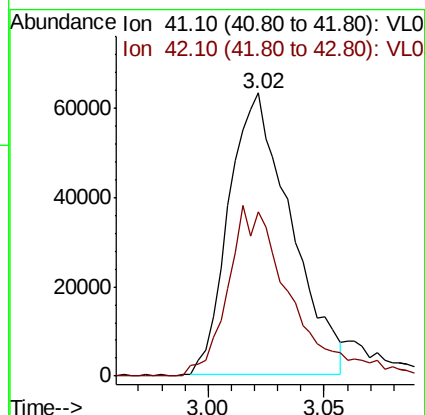
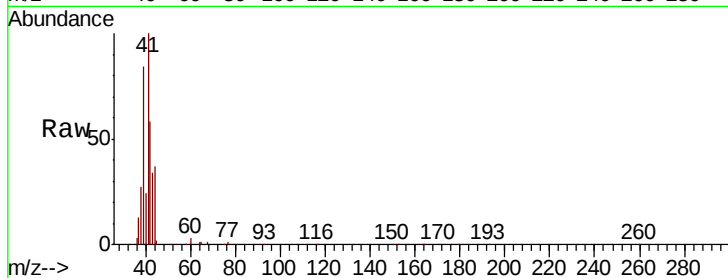
Acq: 19 Jul 2022 17:29

Tot Ion: 41 Resp: 117096

Ion Ratio Lower Upper

41 100

42 62.9 55.2 82.8



#13

Ethanol

Concen: 0.139 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.01 min

Lab File: VL039486.D

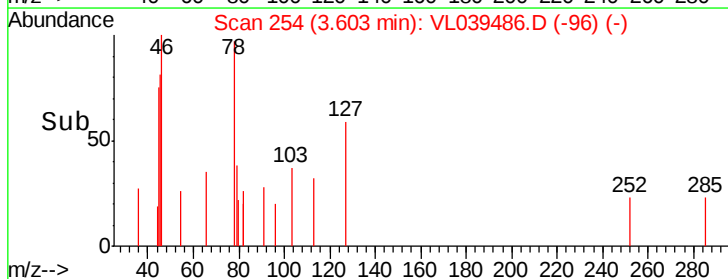
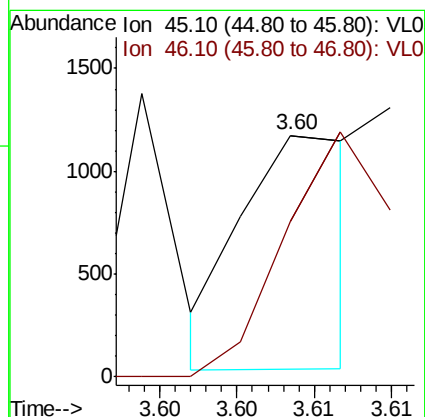
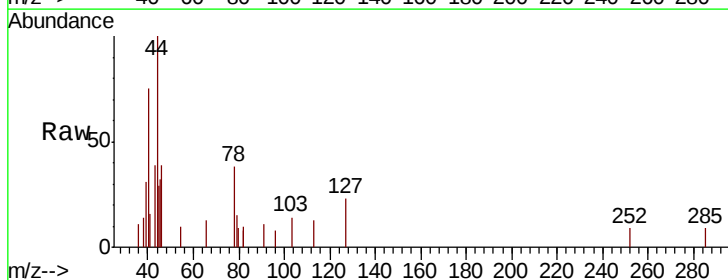
Acq: 19 Jul 2022 17:29

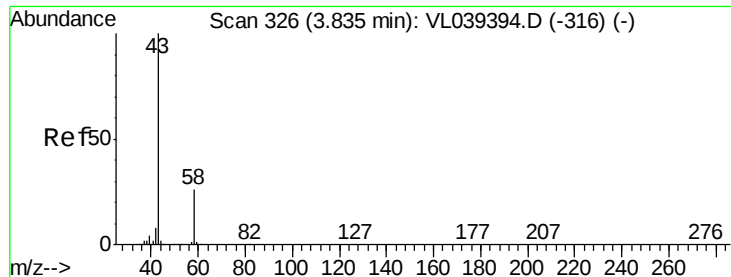
Tgt Ion: 45 Resp: 577

Ion Ratio Lower Upper

45 100

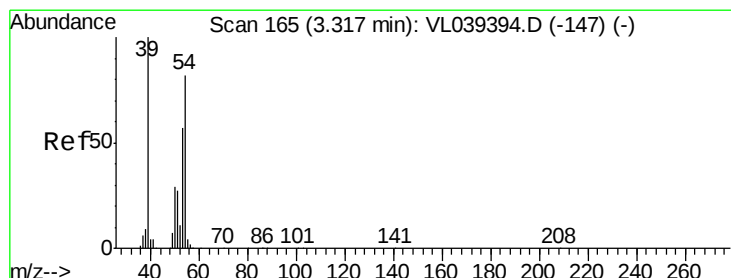
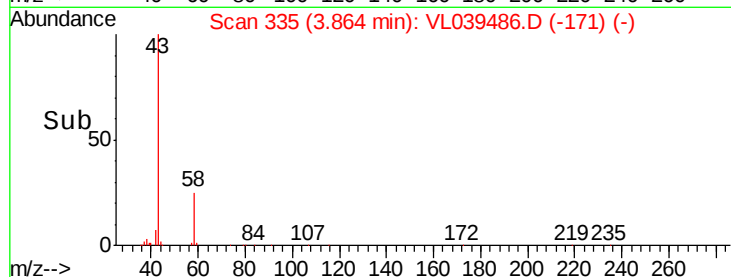
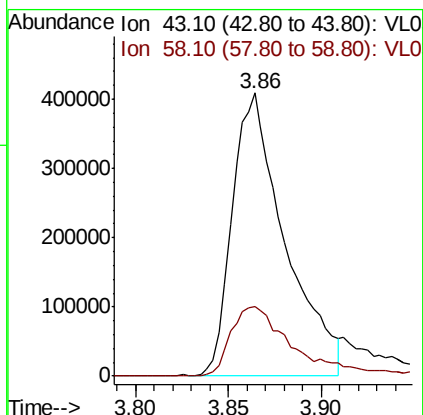
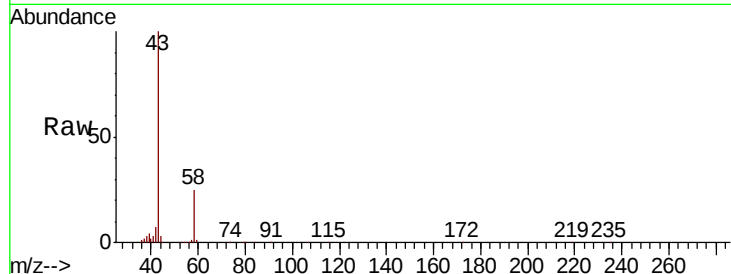
46 0.0 22.8 91.2#





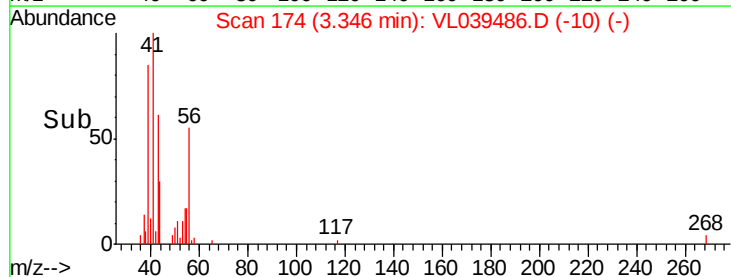
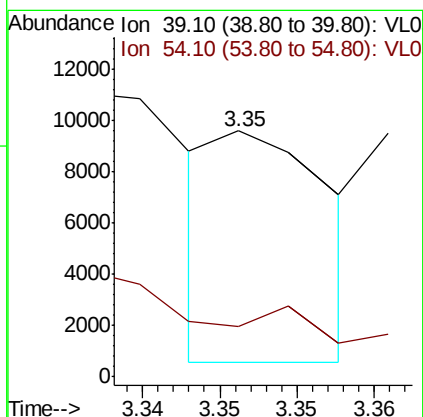
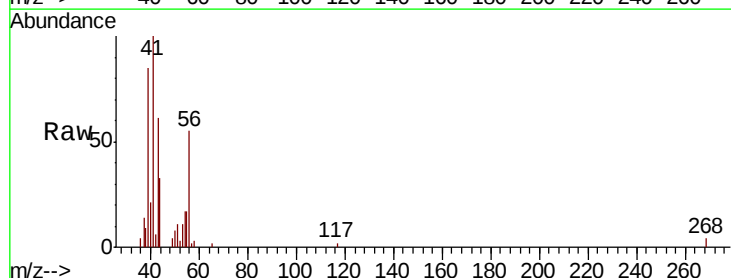
#15
Acetone
Concen: 5.425 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Jul 2022 17:29

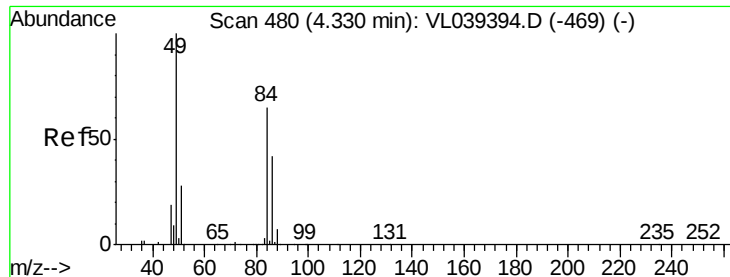
Tot Ion: 43 Resp: 803720
Ion Ratio Lower Upper
43 100
58 31.9 21.0 31.6#



#16
1,3-Butadiene
Concen: 0.060 ppbv
RT: 3.35 min Scan# 174
Delta R.T. 0.03 min
Lab File: VL039486.D
Acq: 19 Jul 2022 17:29

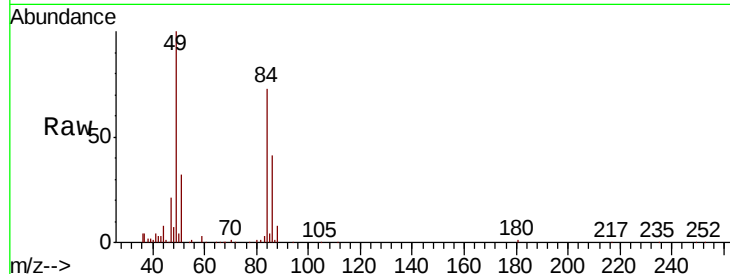
Tgt Ion: 39 Resp: 4593
Ion Ratio Lower Upper
39 100
54 203.0 63.7 95.5#





#20
Methvlene Chloride
Concen: 1.420 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 19 Jul 2022 17:29

Tot Ion:	84	Resp:	83864
Ion	Ratio	Lower	Upper
84	100		
49	132.7	123.1	184.7
51	42.3	34.4	51.6
86	53.7	51.1	76.7



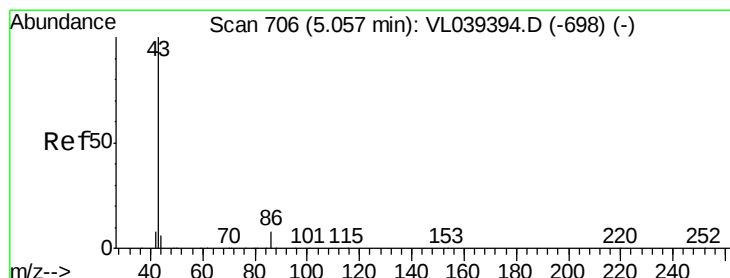
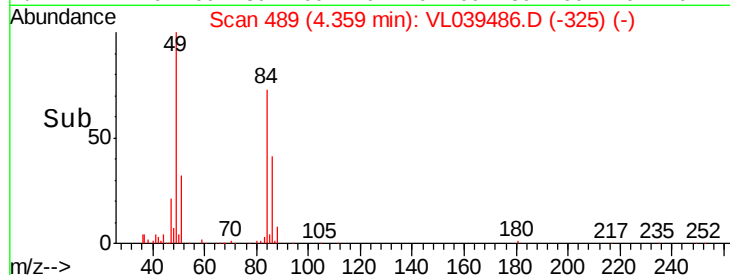
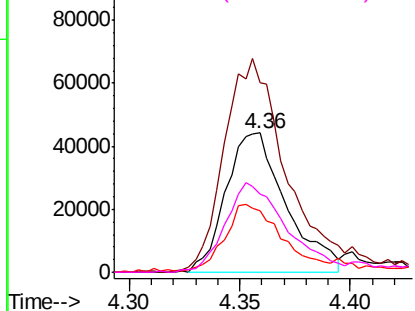
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

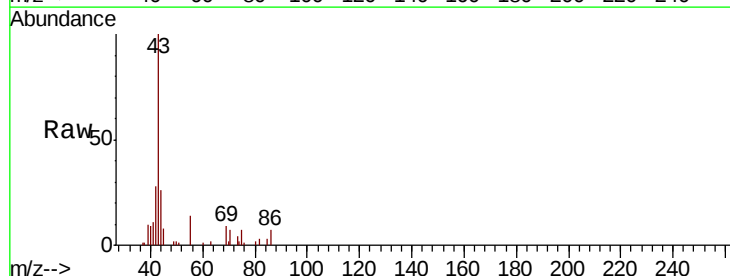
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23
Vinyl Acetate
Concen: 0.120 ppbv
RT: 5.08 min Scan# 713
Delta R.T.: 0.02 min
Lab File: VL039486.D
Acq: 19 Jul 2022 17:29

Tgt Ion:	43	Resp:	11910
Ion	Ratio	Lower	Upper
43	100		
86	8.7	5.0	7.6#
42	29.6	7.7	11.5#
44	8.4	4.6	7.0#



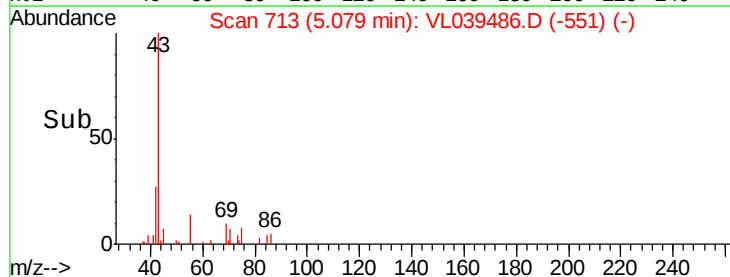
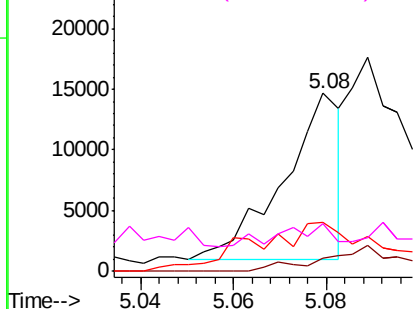
Abundance

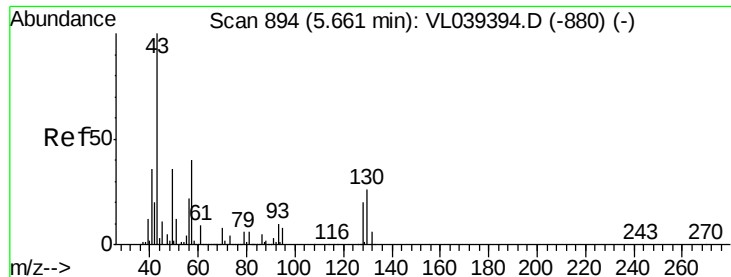
Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

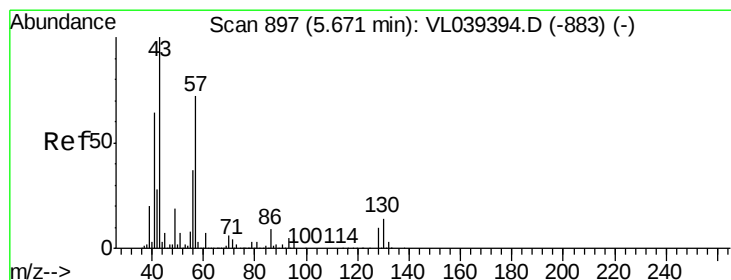
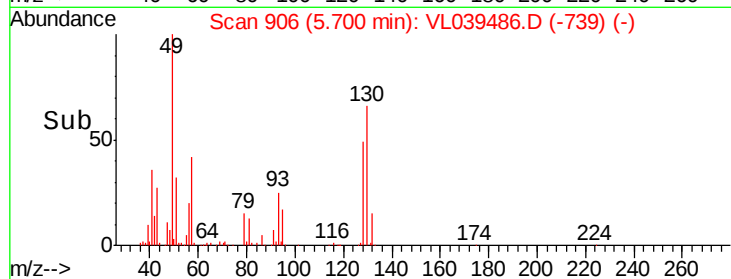
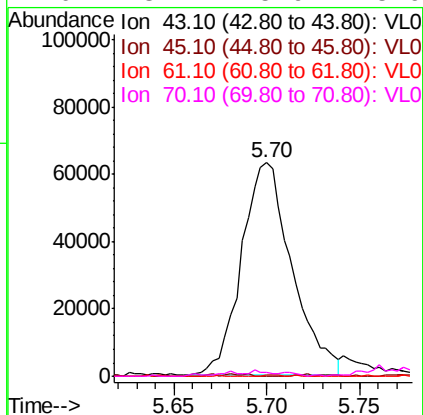
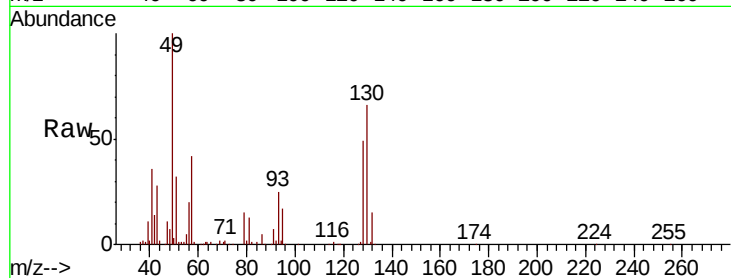
Ion 44.10 (43.80 to 44.80): VL0





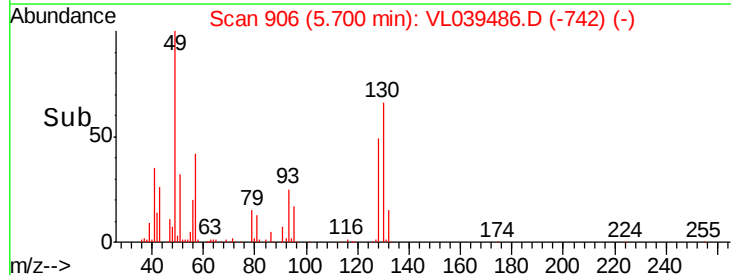
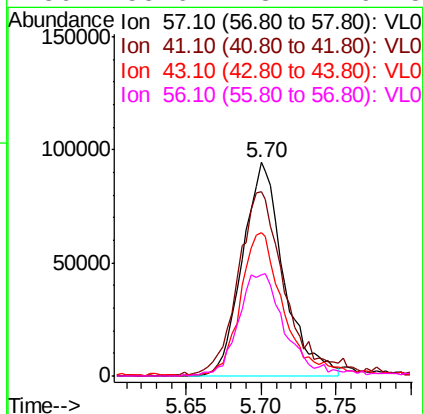
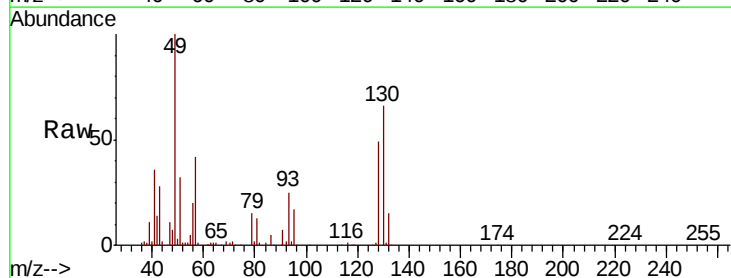
#25
Ethyl Acetate
Concen: 0.395 ppbv
RT: 5.70 min
Delta R.T. 0.03 min
Lab File: VL039486.D
Acq: 19 Jul 2022 17:29

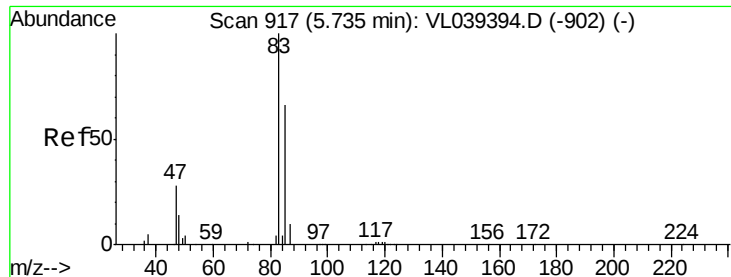
Tot Ion:	43	Resp:	120128
Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.2	12.4#
61	0.4	8.3	12.5#
70	3.2	5.9	8.9#



#26
Hexane
Concen: 1.479 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL039486.D
Acq: 19 Jul 2022 17:29

Tgt Ion:	57	Resp:	181056
Ion	Ratio	Lower	Upper
57	100		
41	102.4	76.9	115.3
43	73.2	191.0	286.6#
56	55.6	43.2	64.8





#29

Chloroform

Concen: 2.000 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

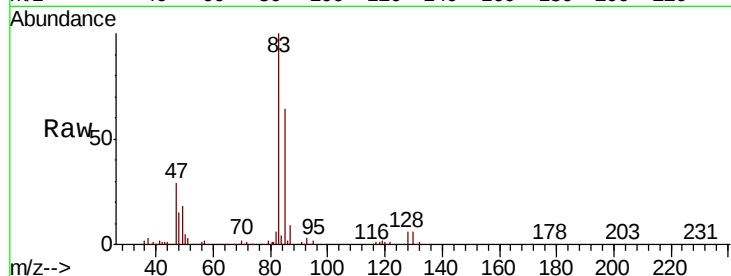
Acq: 19 Jul 2022 17:29 SV-1DL

Tot Ion: 83 Resp: 425914

Ion Ratio Lower Upper

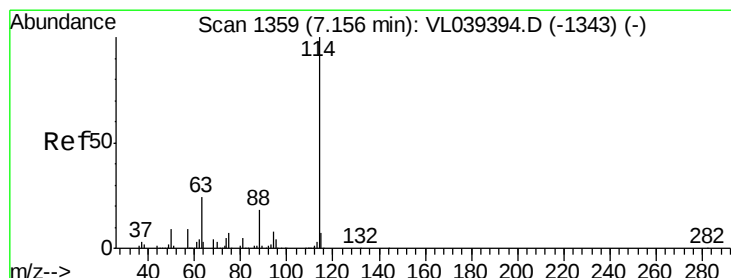
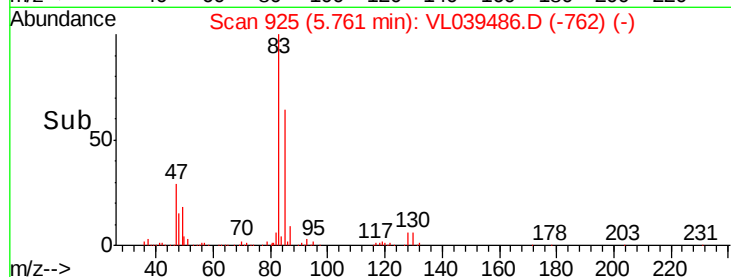
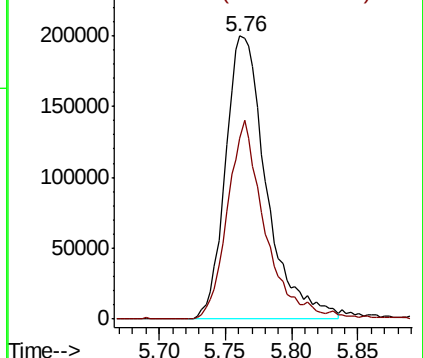
83 100

85 63.8 52.8 79.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.03 min

Lab File: VL039486.D

Acq: 19 Jul 2022 17:29

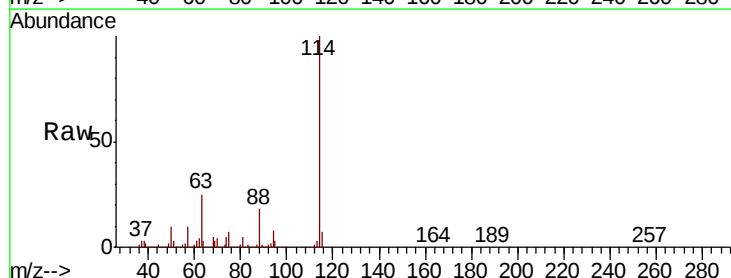
Tgt Ion: 114 Resp: 3543189

Ion Ratio Lower Upper

114 100

63 24.5 20.2 30.4

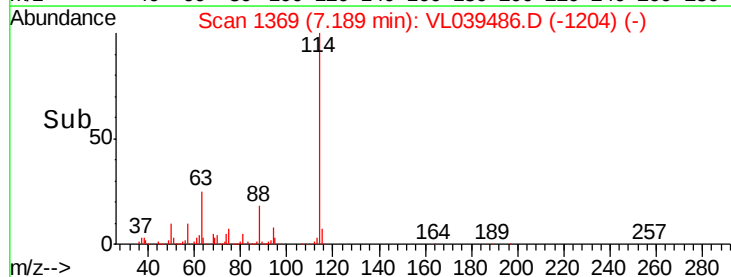
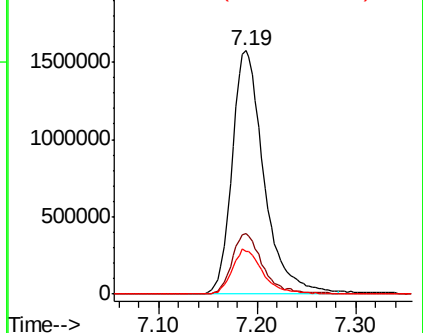
88 17.9 14.5 21.7

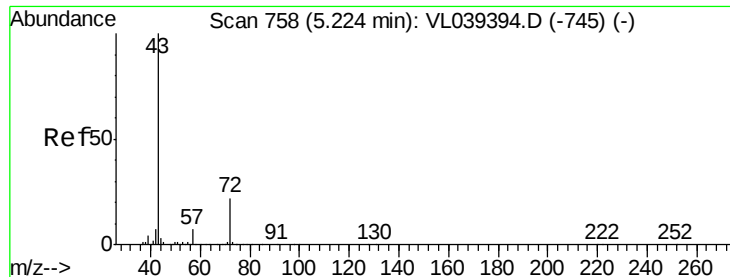


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

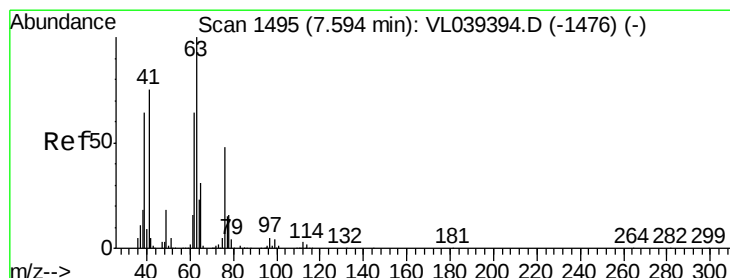
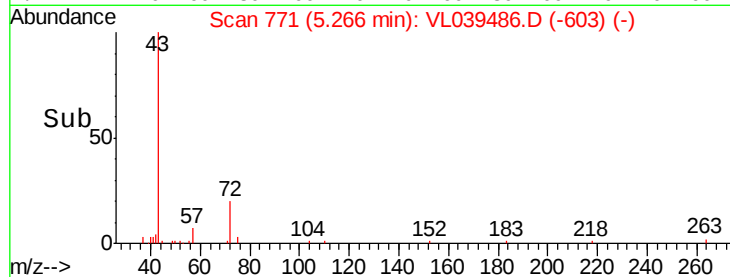
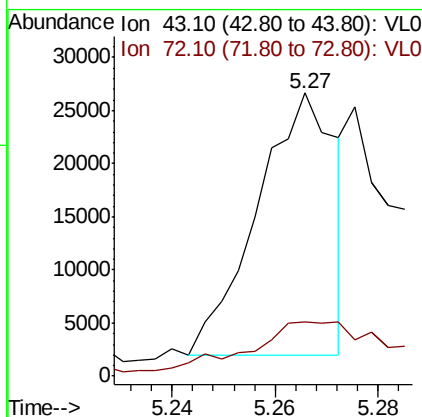
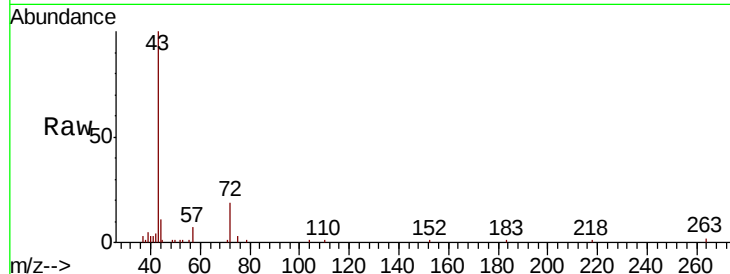
Ion 88.10 (87.80 to 88.80): VL0





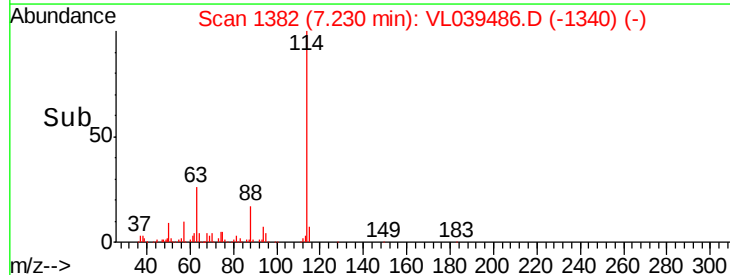
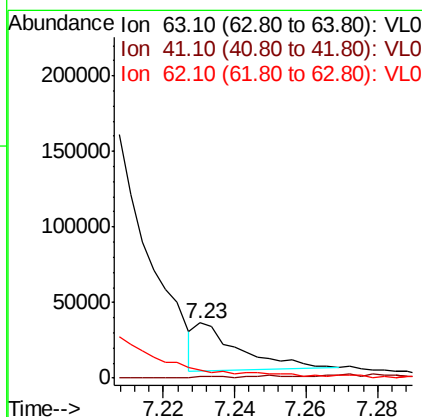
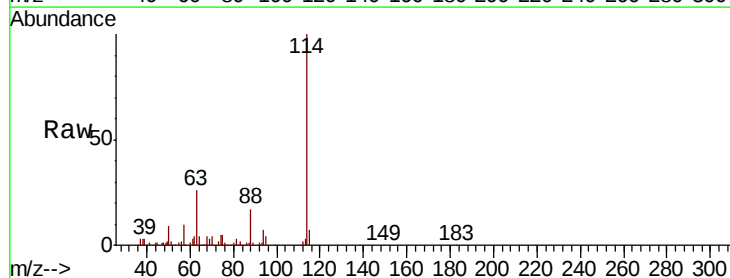
#34
 2-Butanone
 Concen: 0.146 ppbv
 RT: 5.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-1DL
 Acq: 19 Jul 2022 17:29

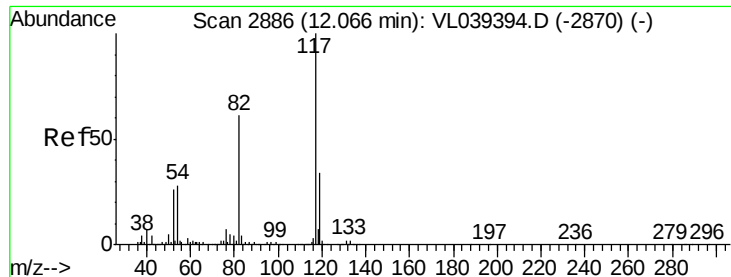
Tot Ion: 43 Resp: 26102
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.9 26.9#



#39
 1,2-Dichloropropane
 Concen: 0.256 ppbv
 RT: 7.23 min Scan# 1382
 Delta R.T. -0.36 min
 Lab File: VL039486.D
 Acq: 19 Jul 2022 17:29

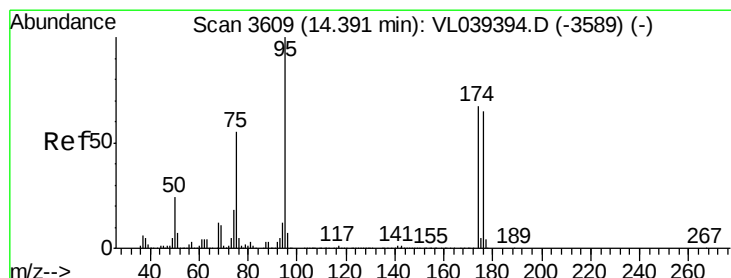
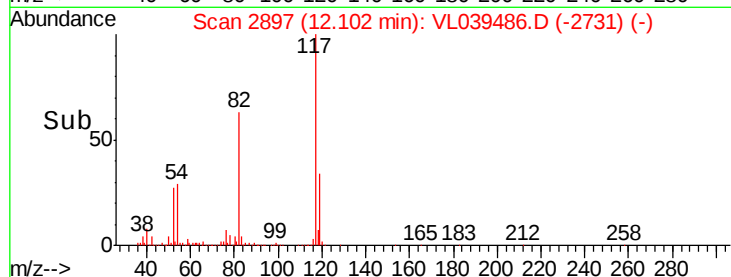
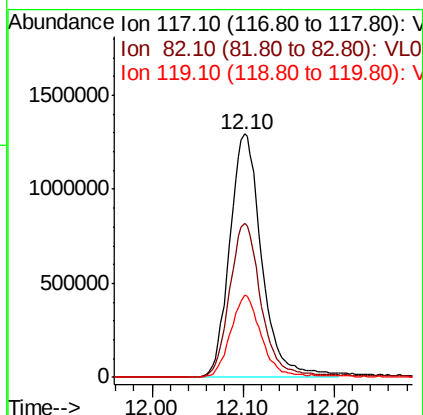
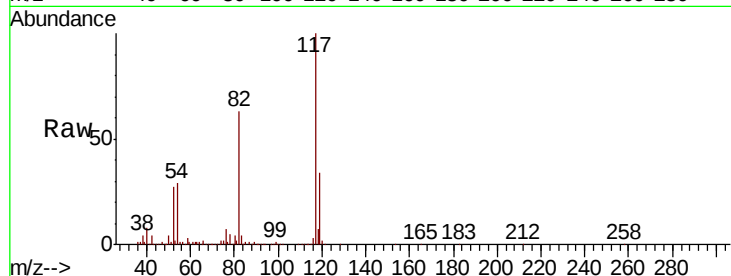
Tgt Ion: 63 Resp: 26224
 Ion Ratio Lower Upper
 63 100
 41 0.3 59.6 89.4#
 62 13.9 51.4 77.0#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV-1DL
Acq: 19 Jul 2022 17:29

Tot Ion: 117 Resp: 3173959
Ion Ratio Lower Upper
117 100
82 64.8 50.8 76.2
119 33.3 24.1 36.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.157 ppbv
RT: 14.43 min Scan# 3622
Delta R.T.: 0.04 min
Lab File: VL039486.D
Acq: 19 Jul 2022 17:29

Tgt Ion: 95 Resp: 2391562
Ion Ratio Lower Upper
95 100
174 73.5 55.9 83.9
175 5.2 4.2 6.4

