

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038312.D
 Acq On : 28 Jan 2022 1:06
 Operator : SY/AP
 Sample : N1300-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18CDL

Quant Time: Jan 28 05:15:49 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	749278	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	1968039	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1640356	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1209801	9.72	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

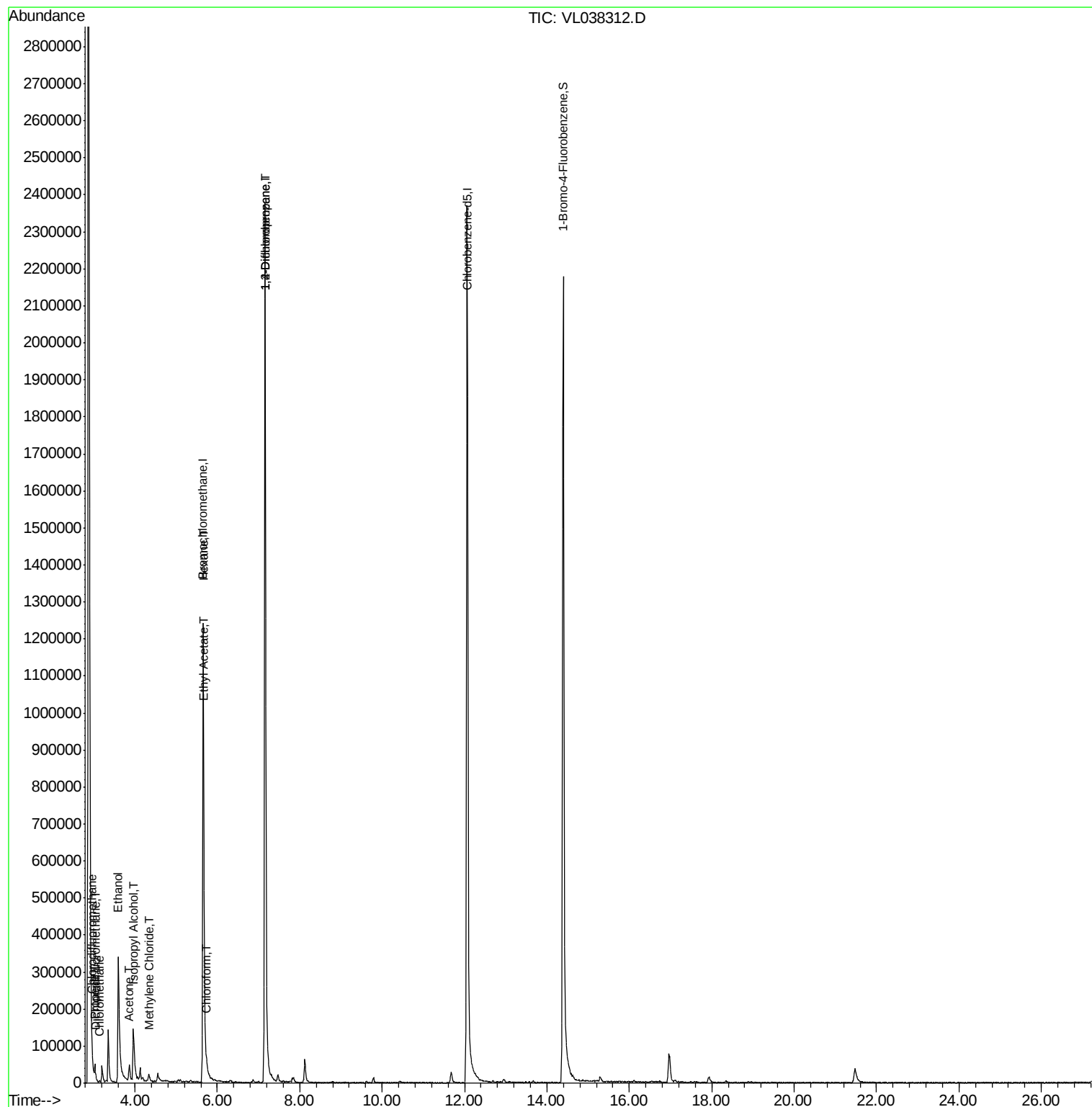
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	9148	0.057	ppbv	89
3) Chlorodifluoromethane	2.96	51	23456	0.157	ppbv #	78
4) Chloromethane	3.14	50	3266	0.064	ppbv #	41
9) Propene	3.02	41	8276	0.170	ppbv	90
13) Ethanol	3.59	45	479867	92.058	ppbv	94
15) Acetone	3.85	43	18865	0.286	ppbv #	49
19) Isopropyl Alcohol	3.96	45	204425	4.947	ppbv	99
20) Methylene Chloride	4.34	84	7564	0.197	ppbv	94
25) Ethyl Acetate	5.68	43	11691	0.063	ppbv #	84
26) Hexane	5.67	57	4259	0.050	ppbv #	1
29) Chloroform	5.74	83	9662	0.069	ppbv #	69
39) 1,2-Dichloropropane	7.16	63	529459	7.502	ppbv #	25

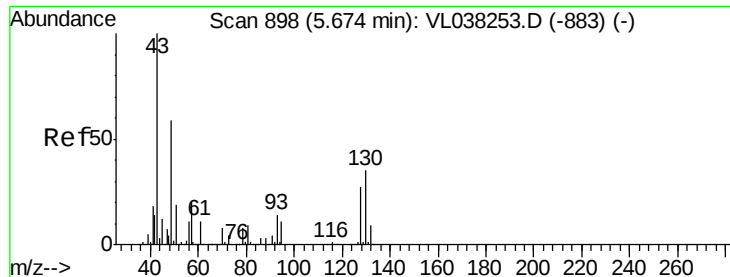
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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IA-18CDL

Quant Time: Jan 28 05:15:49 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
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QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-18CDL

Acq: 28 Jan 2022 1:00

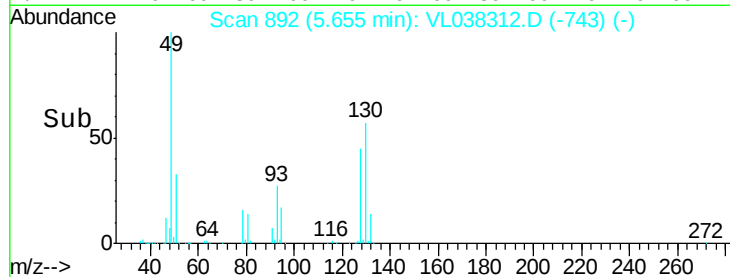
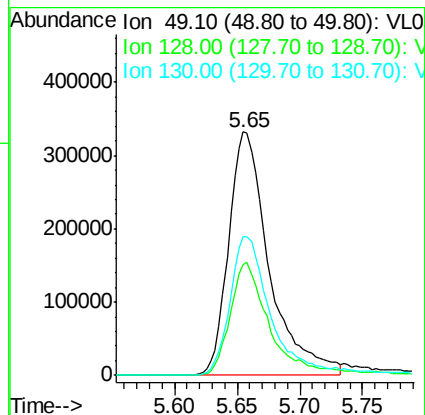
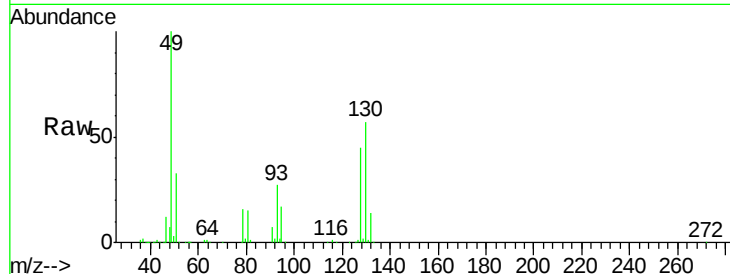
Tgt Ion: 49 Resp: 749278

Ion Ratio Lower Upper

49 100

128 46.8 24.5 73.5

130 59.3 30.1 90.5



#2

Dichlorodifluoromethane

Concen: 0.057 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.01 min

Lab File: VL038312.D

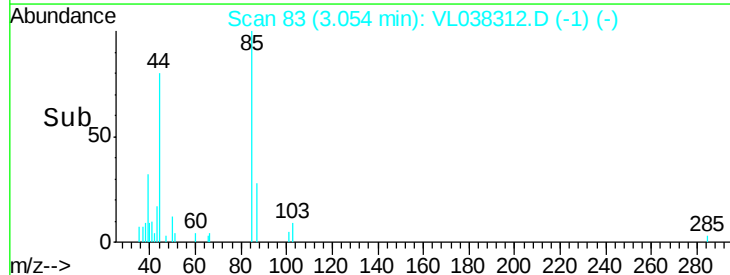
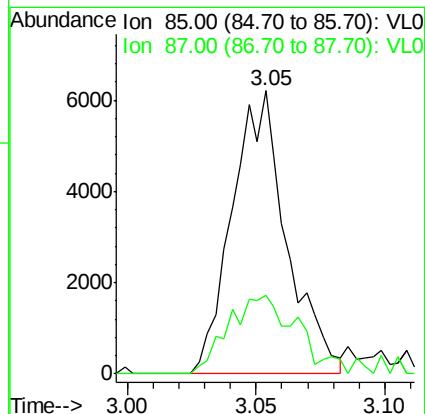
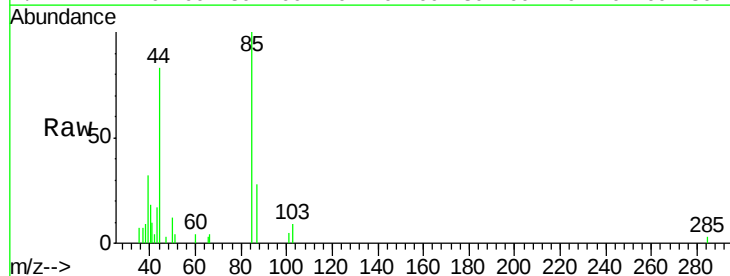
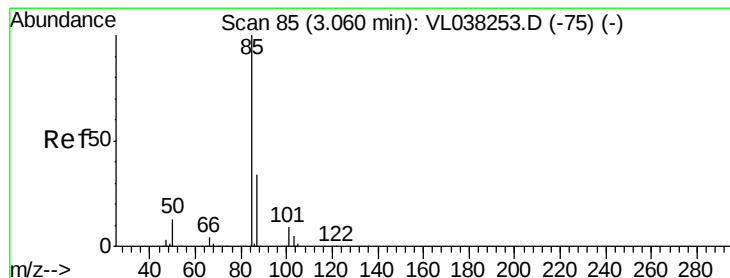
Acq: 28 Jan 2022 1:06

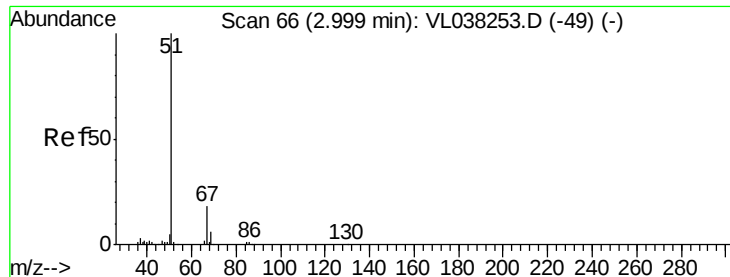
Tgt Ion: 85 Resp: 9148

Ion Ratio Lower Upper

85 100

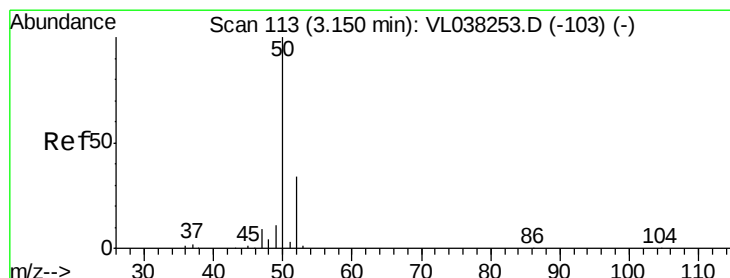
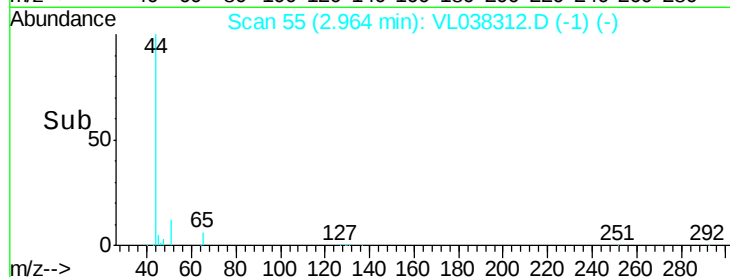
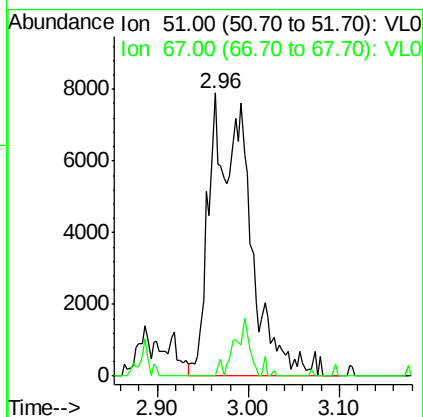
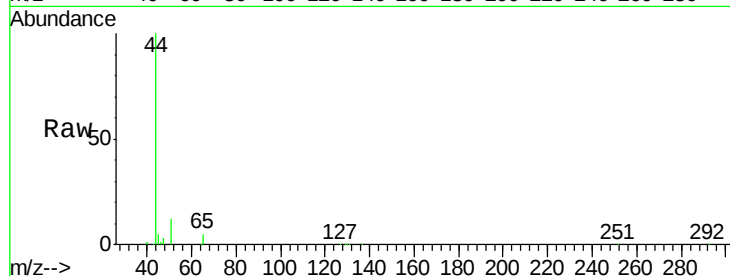
87 27.7 27.0 40.6





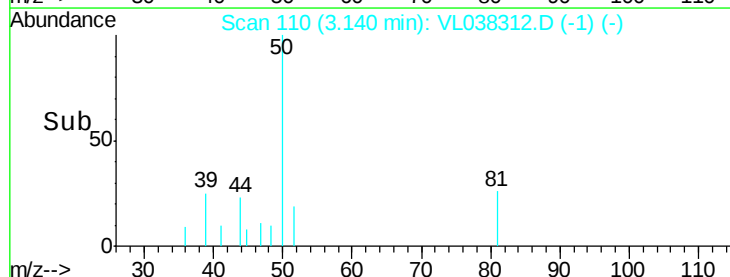
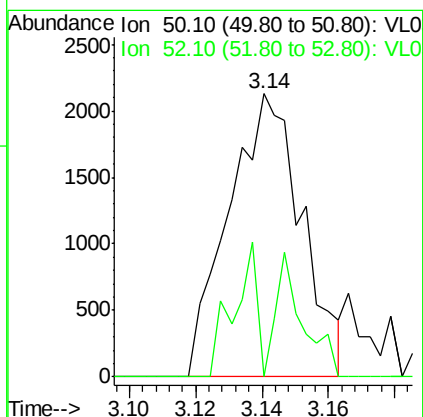
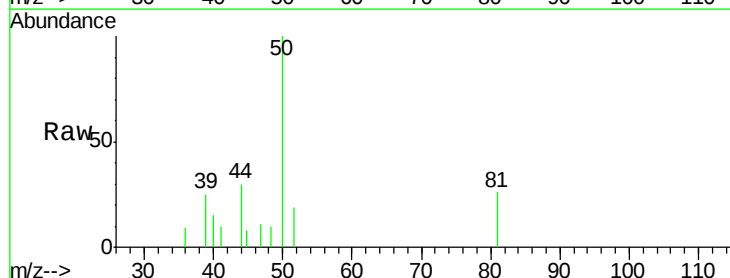
#3
Chlorodifluoromethane
Concen: 0.157 ppbv
RT: 2.96
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Jan 2022 1:00

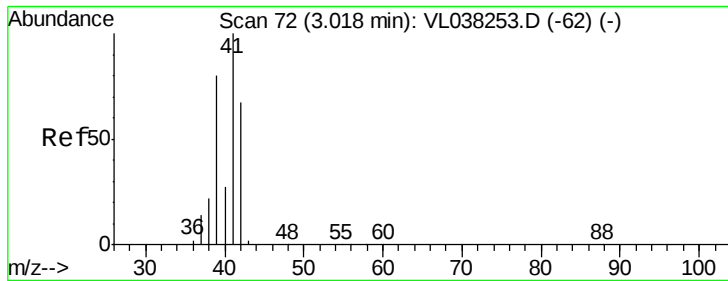
Tgt Ion: 51 Resp: 23456
Ion Ratio Lower Upper
51 100
67 8.3 14.4 21.6#



#4
Chloromethane
Concen: 0.064 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.01 min
Lab File: VL038312.D
Acq: 28 Jan 2022 1:06

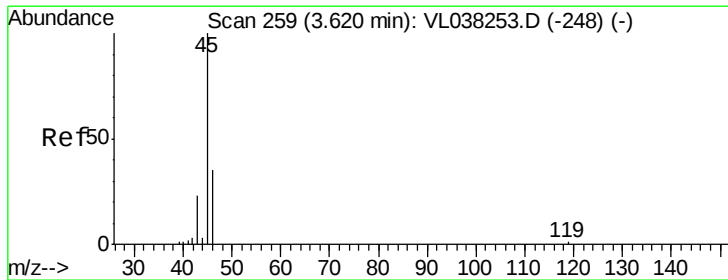
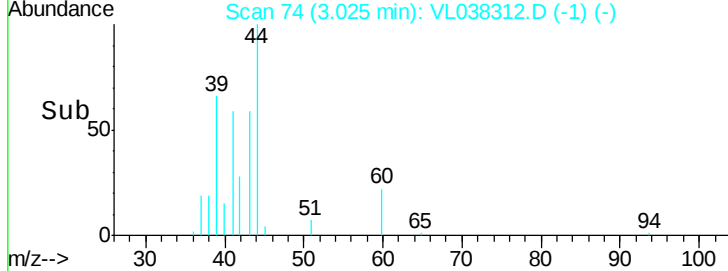
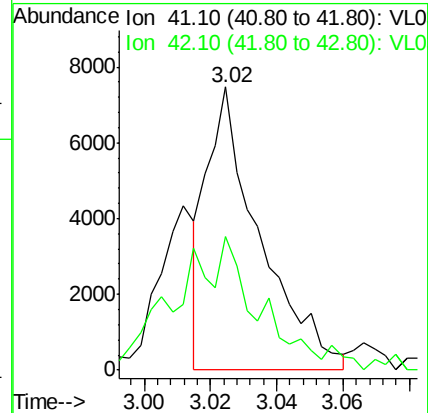
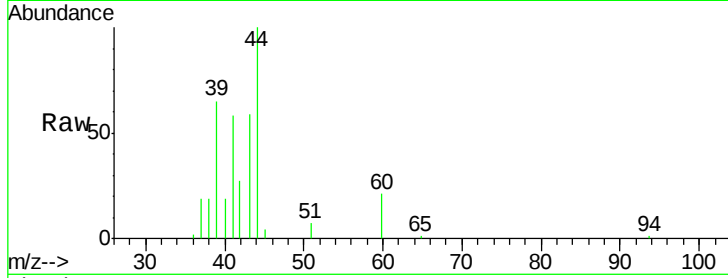
Tgt Ion: 50 Resp: 3266
Ion Ratio Lower Upper
50 100
52 0.0 27.1 40.7#





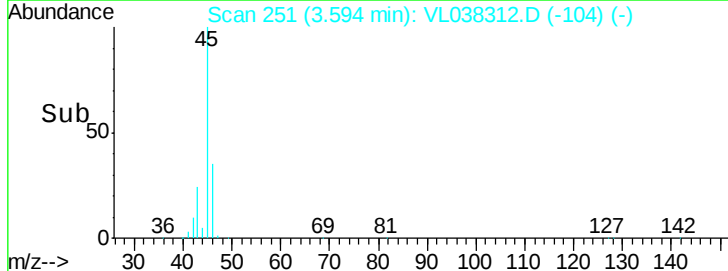
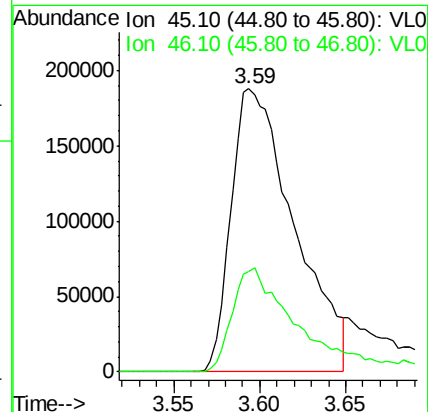
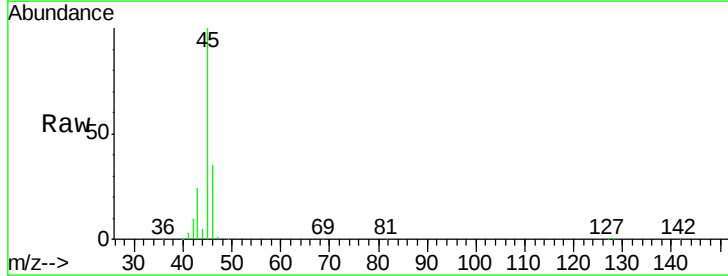
#9
 Propene
 Concen: 0.170 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Jan 2022 1:00

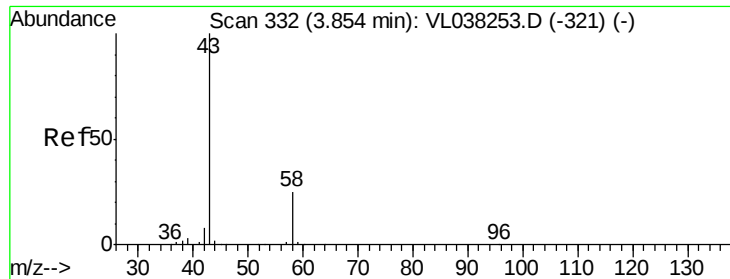
Tgt Ion: 41 Resp: 8276
 Ion Ratio Lower Upper
 41 100
 42 76.6 54.9 82.3



#13
 Ethanol
 Concen: 92.058 ppbv
 RT: 3.59 min Scan# 251
 Delta R.T. -0.03 min
 Lab File: VL038312.D
 Acq: 28 Jan 2022 1:06

Tgt Ion: 45 Resp: 479867
 Ion Ratio Lower Upper
 45 100
 46 42.3 15.4 61.6





#15

Acetone

Concen: 0.286 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

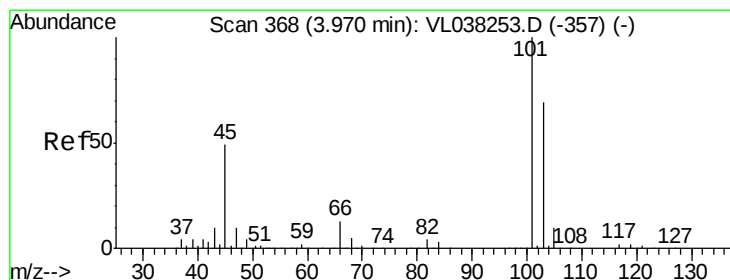
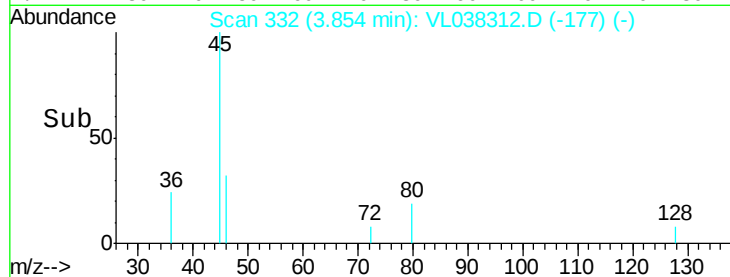
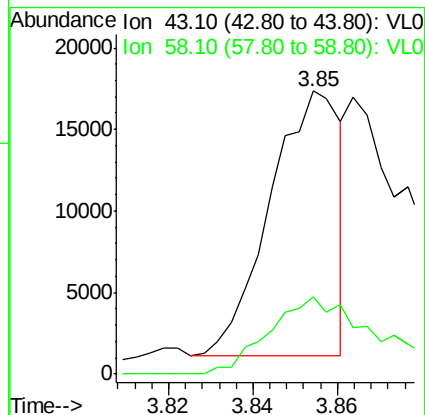
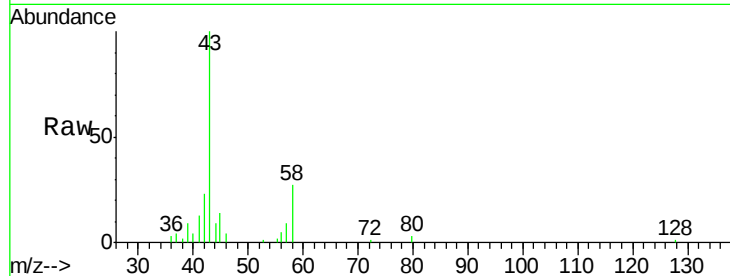
Acq: 28 Jan 2022 1:00

Tgt Ion: 43 Resp: 18865

Ion Ratio Lower Upper

43 100

58 53.3 21.5 32.3#



#19

Isopropyl Alcohol

Concen: 4.947 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL038312.D

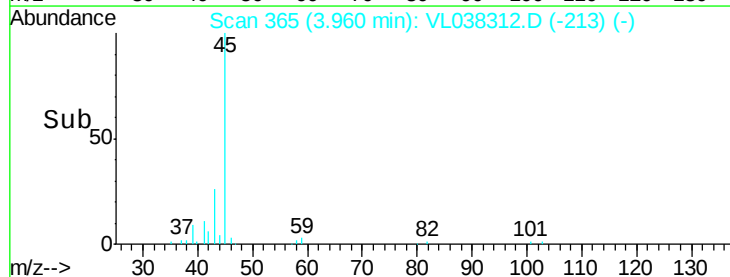
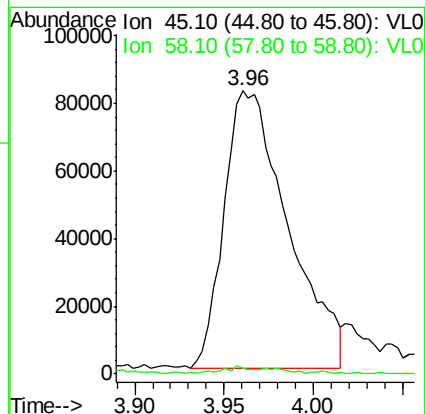
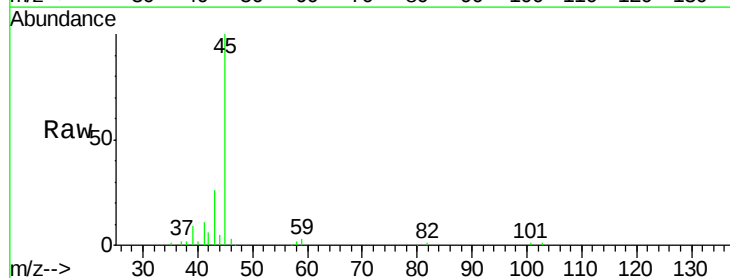
Acq: 28 Jan 2022 1:06

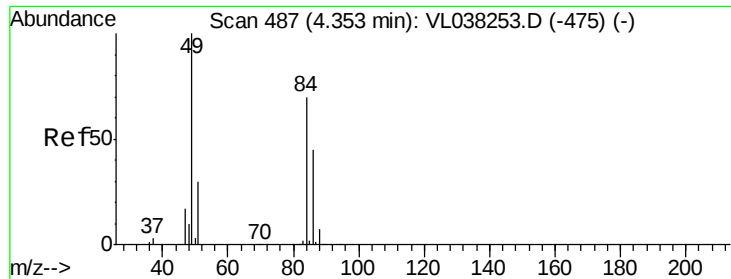
Tgt Ion: 45 Resp: 204425

Ion Ratio Lower Upper

45 100

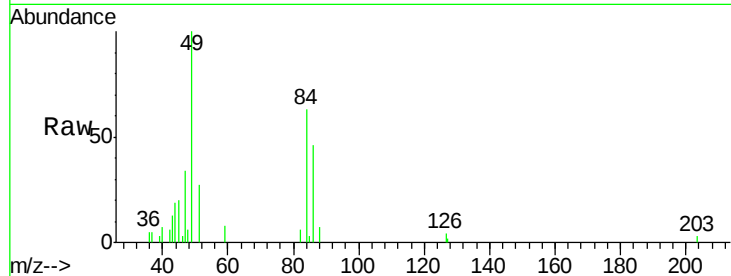
58 2.5 2.3 3.5



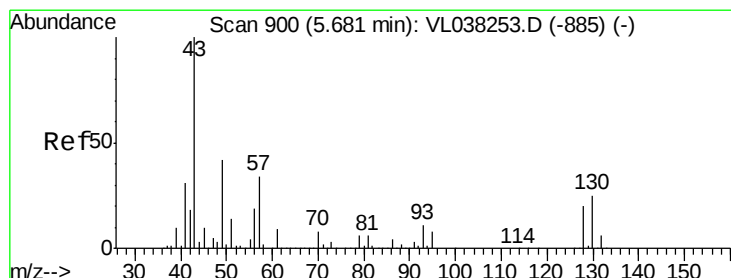
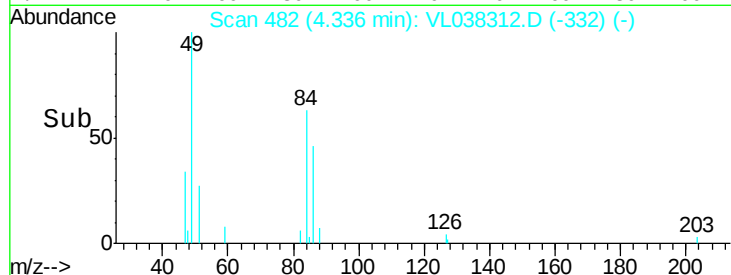
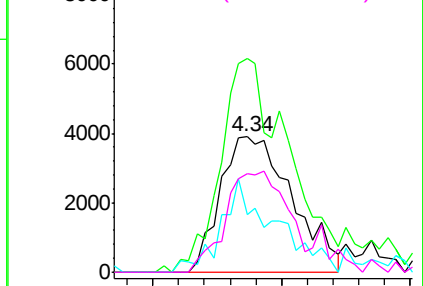


#20
Methylene Chloride
Concen: 0.197 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Jan 2022 1:00

Tgt Ion:	84	Resp:	7564
Ion	Ratio	Lower	Upper
84	100		
49	149.8	115.0	172.6
51	42.4	35.0	52.6
86	72.6	51.4	77.0

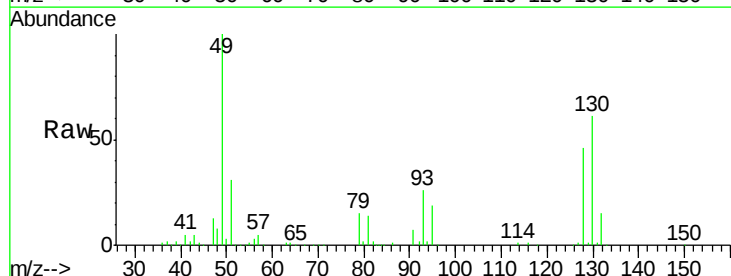


Abundance Ion 84.00 (83.70 to 84.70): VL0

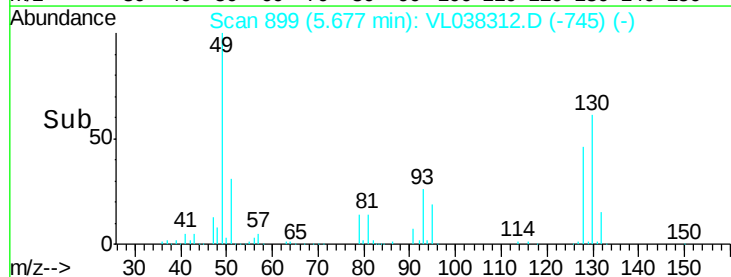
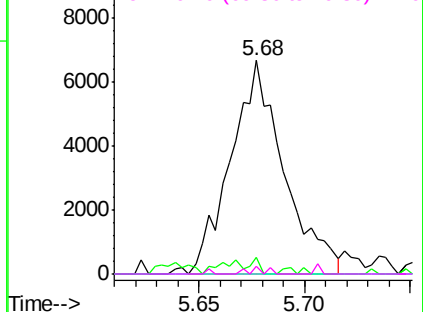


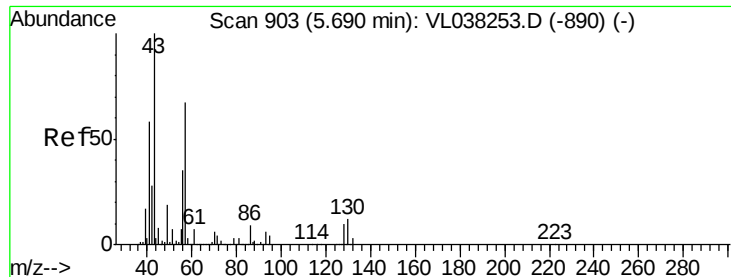
#25
Ethyl Acetate
Concen: 0.063 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL038312.D
Acq: 28 Jan 2022 1:06

Tgt Ion:	43	Resp:	11691
Ion	Ratio	Lower	Upper
43	100		
45	7.8	7.9	11.9#
61	0.0	7.8	11.8#
70	0.7	5.4	8.0#



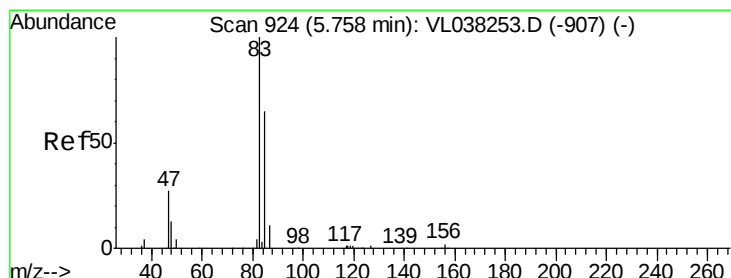
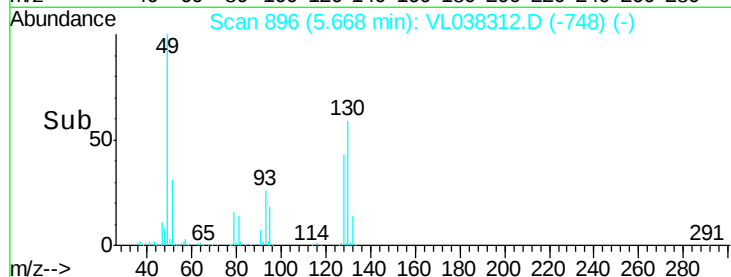
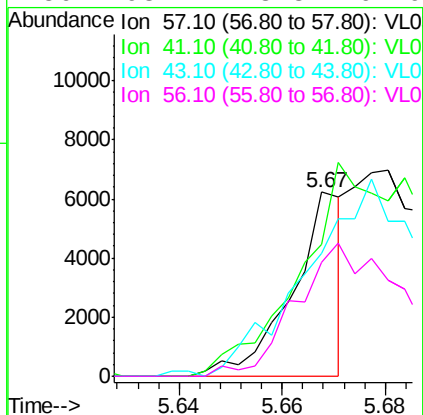
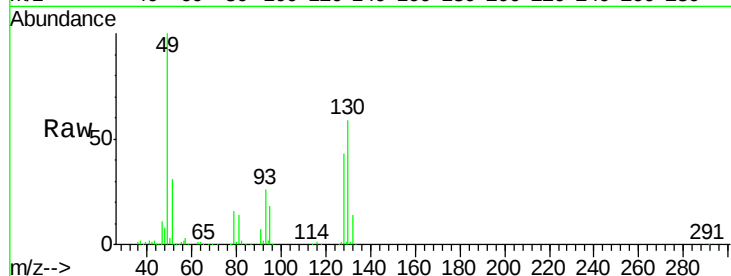
Abundance Ion 43.10 (42.80 to 43.80): VL0





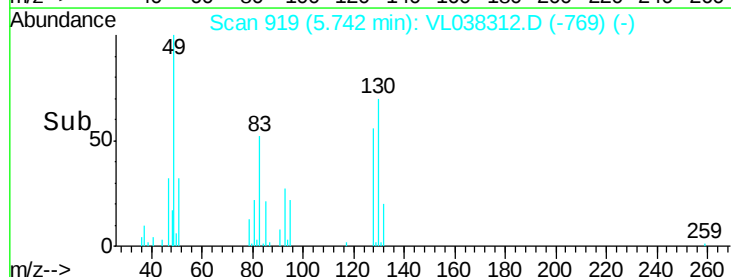
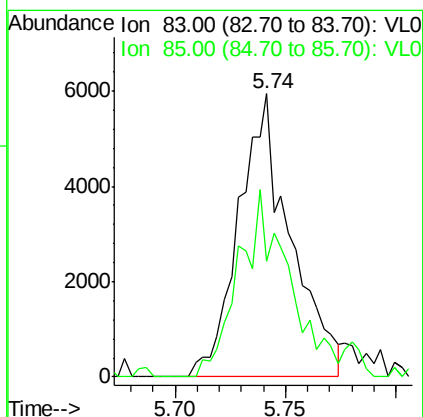
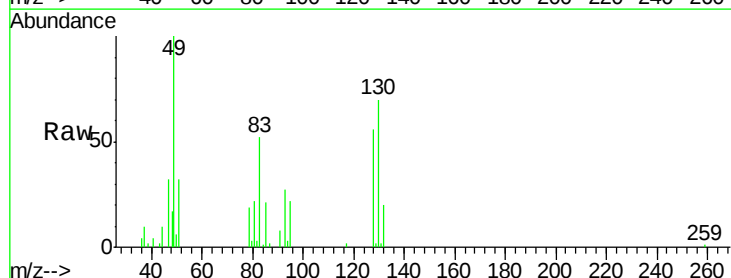
#26
Hexane
Concen: 0.050 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Jan 2022 1:00

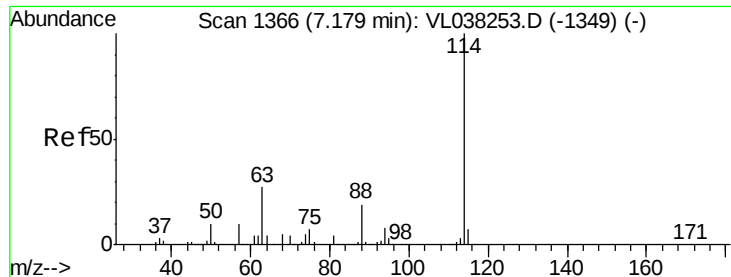
Tgt Ion:	57	Resp:	4259
Ion	Ratio	Lower	Upper
57	100		
41	336.7	72.8	109.2#
43	0.0	177.0	265.6#
56	193.2	43.3	64.9#



#29
Chloroform
Concen: 0.069 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.02 min
Lab File: VL038312.D
Acq: 28 Jan 2022 1:06

Tgt Ion:	83	Resp:	9662
Ion	Ratio	Lower	Upper
83	100		
85	40.7	51.9	77.9#

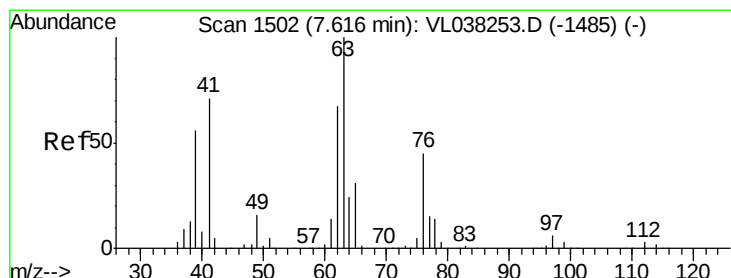
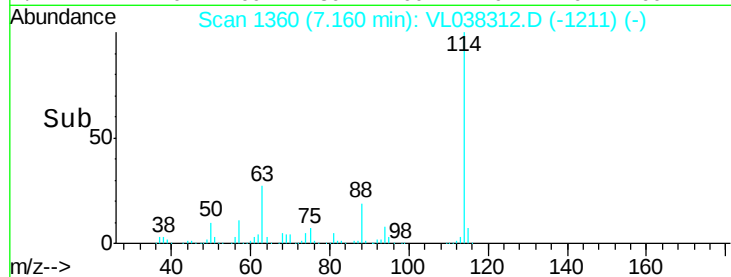
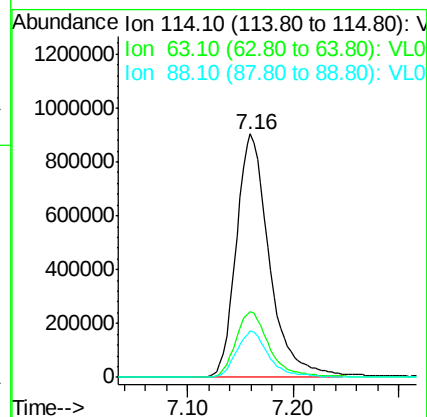
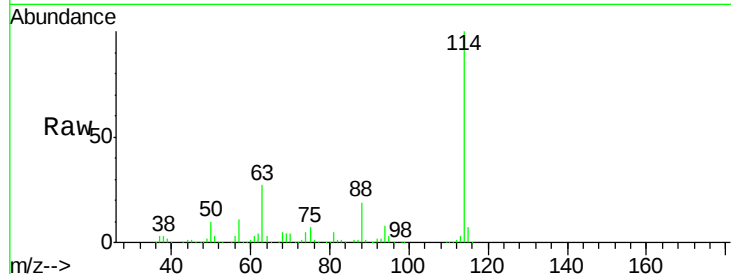




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Jan 2022 1:00

Tgt Ion: 114 Resp: 1968039

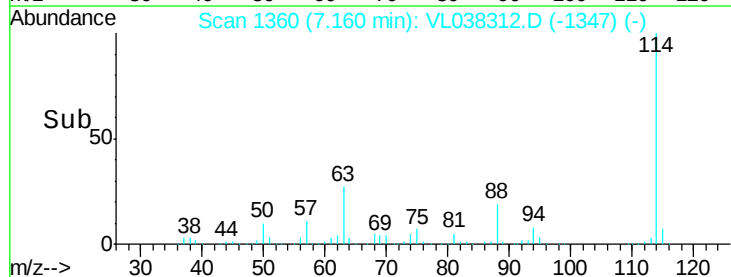
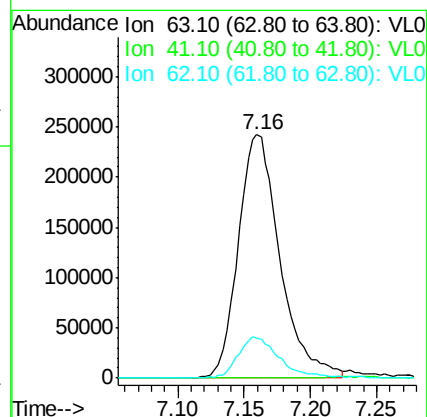
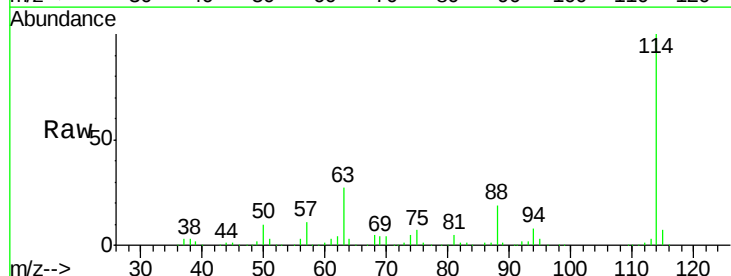
Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.0	33.0
88	18.9	15.0	22.6

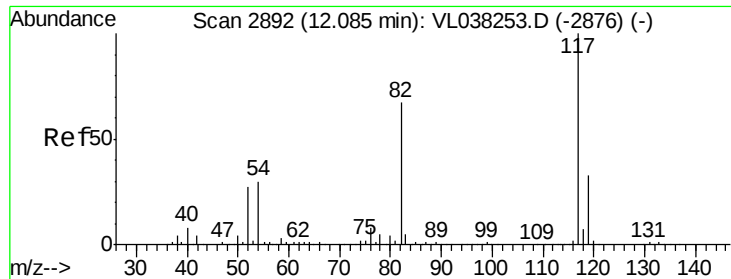


#39
 1,2-Dichloropropane
 Concen: 7.502 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.46 min
 Lab File: VL038312.D
 Acq: 28 Jan 2022 1:06

Tgt Ion: 63 Resp: 529459

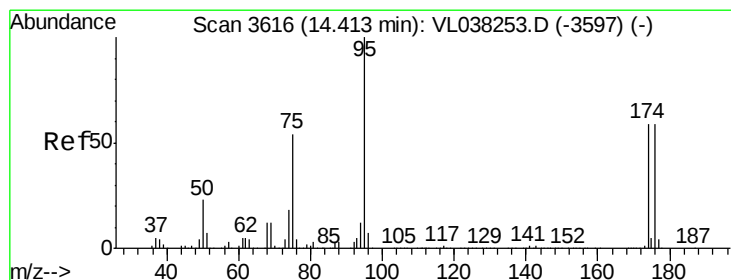
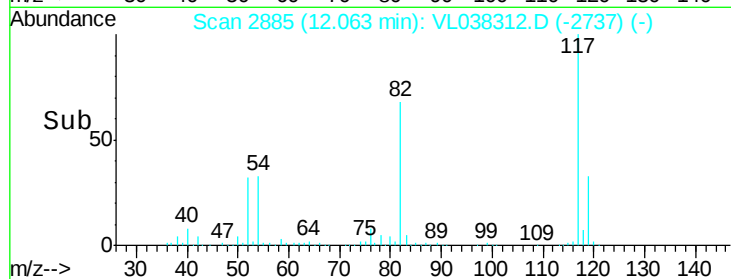
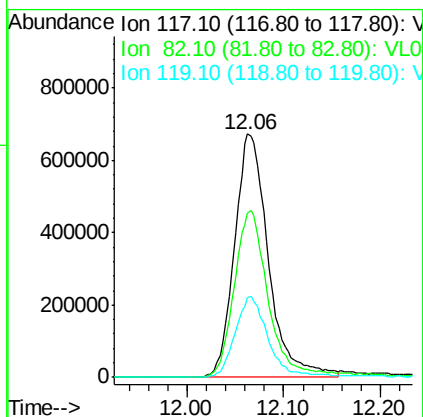
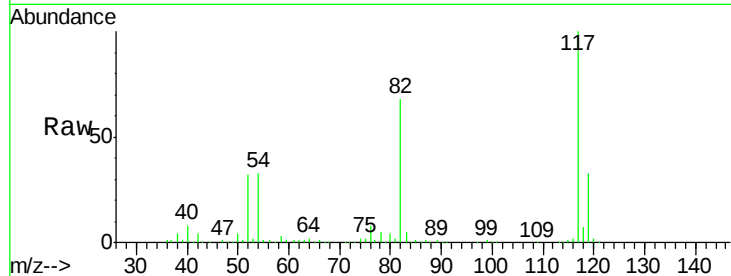
Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.6	85.0#
62	16.5	53.9	80.9#





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Jan 2022 1:00

Tgt Ion: 117 Resp: 1640356
 Ion Ratio Lower Upper
 117 100
 82 72.1 54.4 81.6
 119 33.5 45.9 68.9#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.717 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.02 min
 Lab File: VL038312.D
 Acq: 28 Jan 2022 1:06

Tgt Ion: 95 Resp: 1209801
 Ion Ratio Lower Upper
 95 100
 174 61.6 48.3 72.5
 175 4.5 3.5 5.3

