

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
 Data File : VL038679.D
 Acq On : 22 Mar 2022 10:19
 Operator : SY/AP
 Sample : N1964-12DLDP 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P82DLDP

Quant Time: Mar 31 07:16:34 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

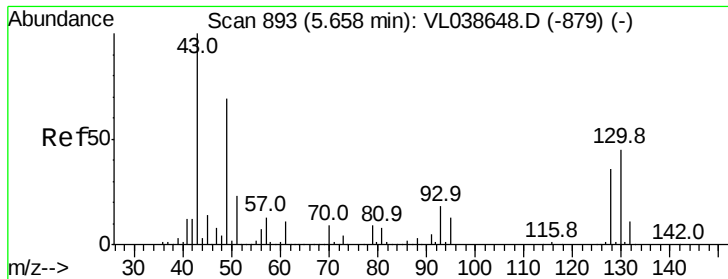
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	904440	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	2296776	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.06	117	2020581	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1491762	9.63	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	8055	0.07	ppbv	92
4) Chloromethane	3.14	50	10143	0.19	ppbv	97
9) Propene	3.02	41	8009	0.17	ppbv #	57
13) Ethanol	3.60	45	16654	3.27	ppbv	70
15) Acetone	3.85	43	92862	1.19	ppbv	99
16) 1,3-Butadiene	3.31	39	1494	0.03	ppbv #	15
19) Isopropyl Alcohol	3.97	45	1882	0.04	ppbv #	91
20) Methylene Chloride	4.33	84	107603	3.27	ppbv	97
23) Vinyl Acetate	5.05	43	3224	0.04	ppbv #	78
25) Ethyl Acetate	5.67	43	23629	0.12	ppbv #	80
26) Hexane	5.67	57	63985	0.73	ppbv #	38
31) cis-1,2-Dichloroethene	5.54	61	20495	0.25	ppbv	95
34) 2-Butanone	5.24	43	33062	0.36	ppbv	98
38) Trichloroethene	7.82	130	7756	0.10	ppbv #	71
39) 1,2-Dichloropropane	7.15	63	541165	7.81	ppbv #	28
41) Tetrahydrofuran	6.07	42	6995	0.10	ppbv #	61
52) Tetrachloroethene	11.20	164	379779	5.85	ppbv	98
53) Toluene	9.78	91	186954	0.98	ppbv	98

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 22 Mar 2022 10:19

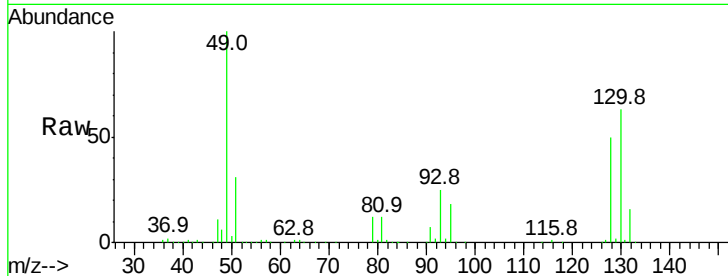
Tgt Ion: 49 Resp: 904440

Ion Ratio Lower Upper

49 100

128 52.5 26.2 78.6

130 68.8 33.7 101.1

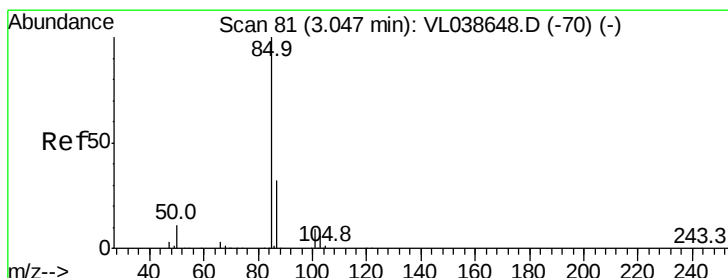
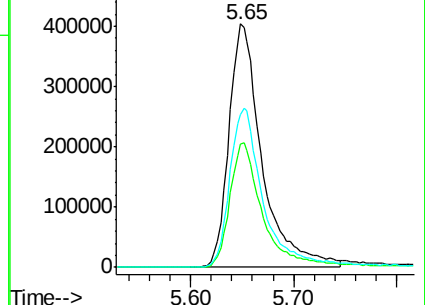
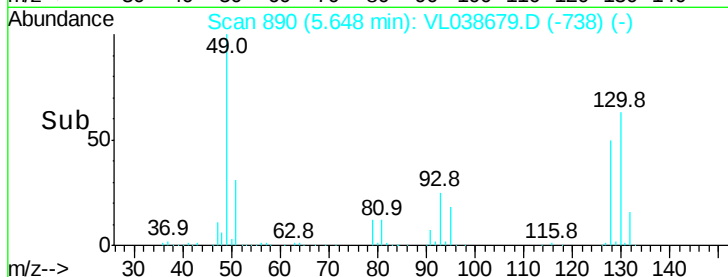


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.07 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL038679.D

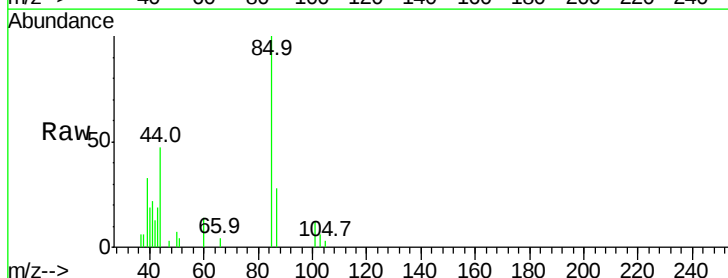
Acq: 22 Mar 2022 10:19

Tgt Ion: 85 Resp: 8055

Ion Ratio Lower Upper

85 100

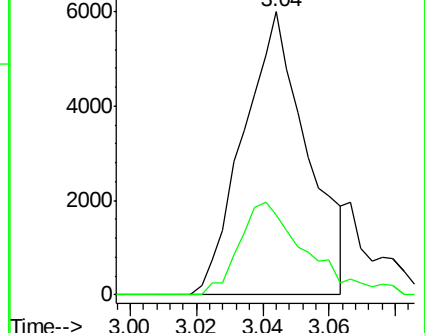
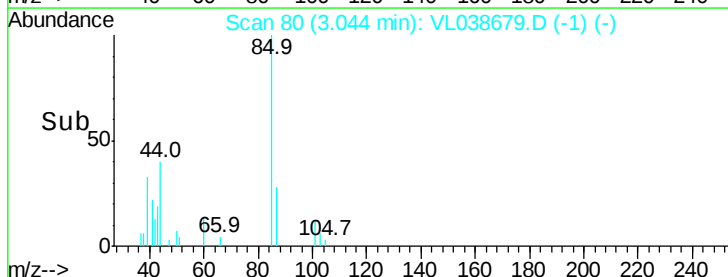
87 28.3 26.0 39.0

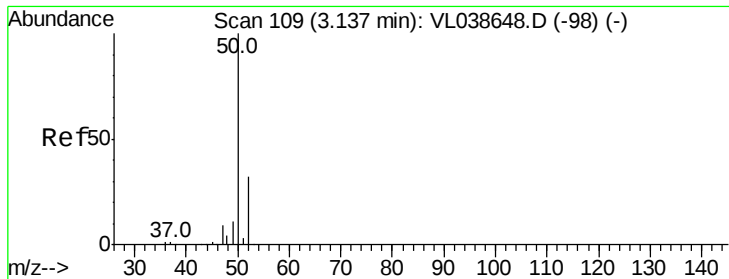


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->





#4

Chloromethane

Concen: 0.19 ppbv

RT: 3.14 Instrument: MSVOA_L

Delta R.T. 0.01 min

Lab File: VL038679.D ClientSampleId: COP82DLDUP

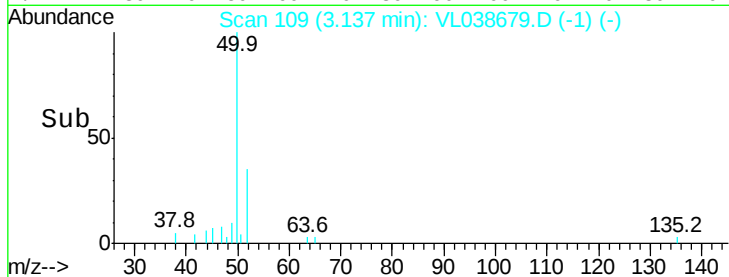
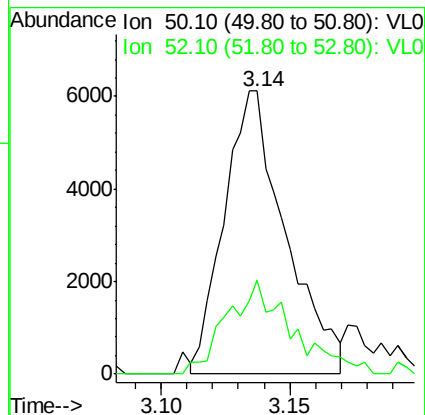
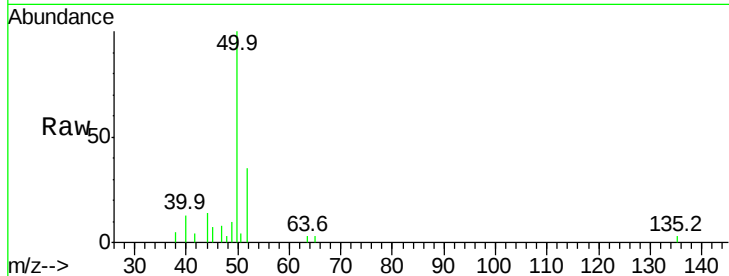
Acq: 22 Mar 2022 10:19

Tgt Ion: 50 Resp: 10143

Ion Ratio Lower Upper

50 100

52 30.2 25.5 38.3



#9

Propene

Concen: 0.17 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL038679.D

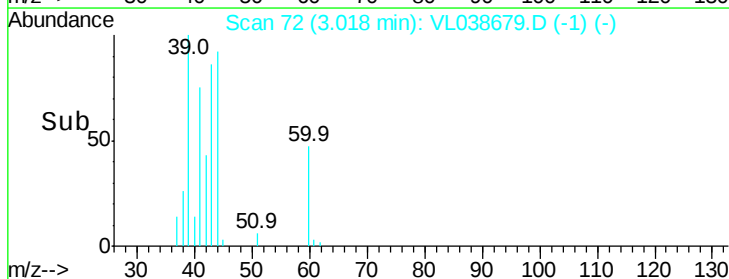
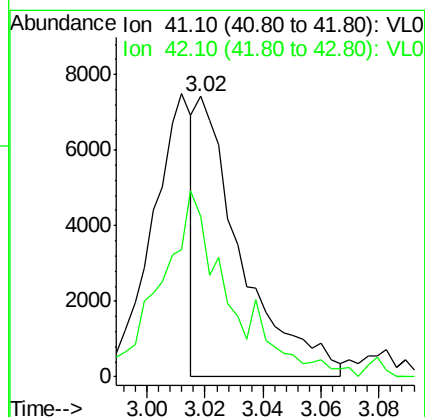
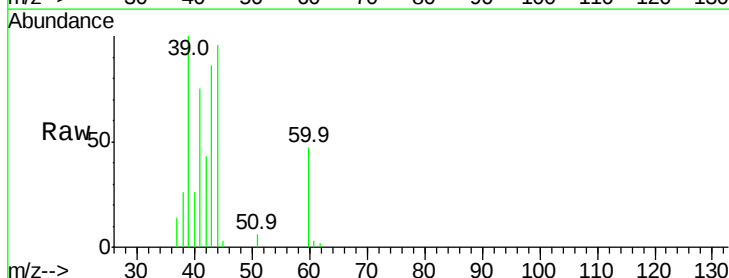
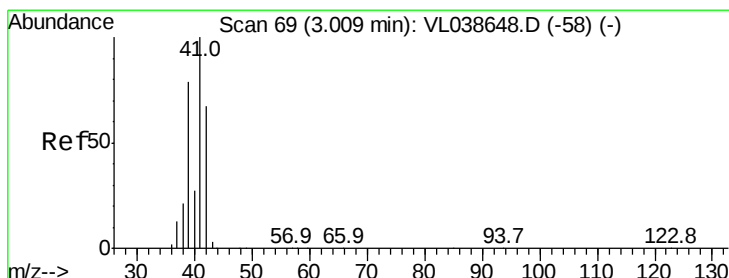
Acq: 22 Mar 2022 10:19

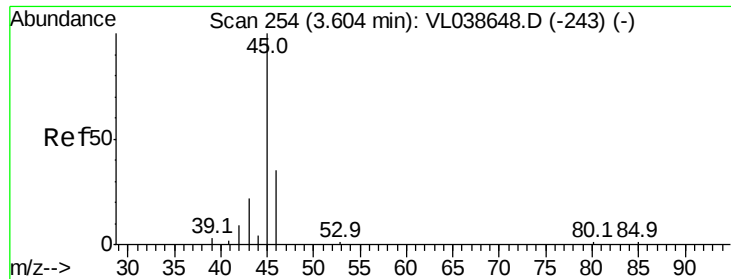
Tgt Ion: 41 Resp: 8009

Ion Ratio Lower Upper

41 100

42 105.4 56.2 84.4#





#13

Ethanol

Concen: 3.27 ppbv

RT: 3.60 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: C0P82DLDUP

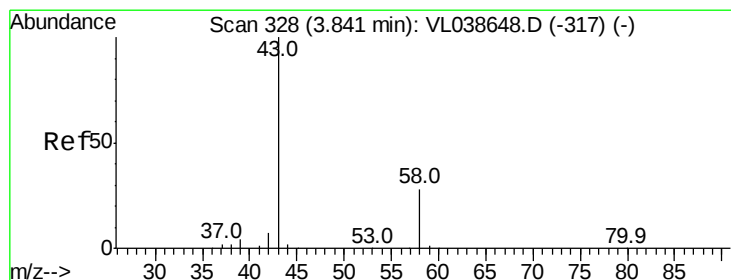
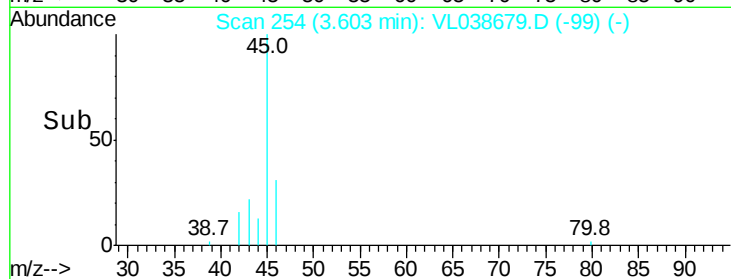
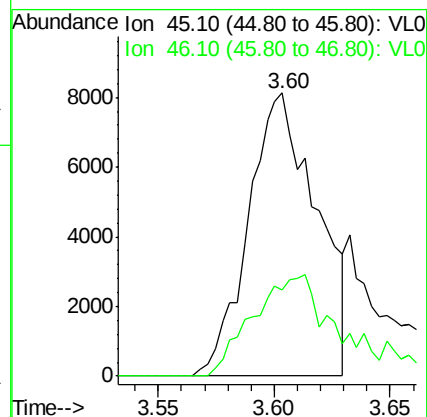
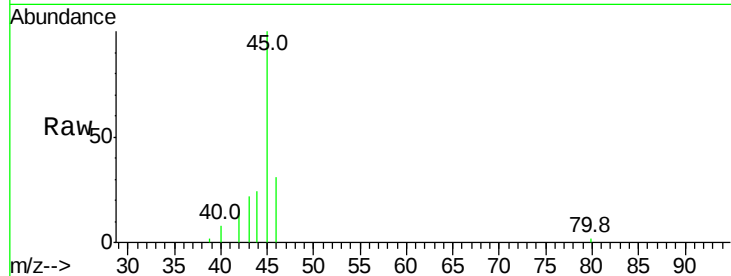
Acq: 22 Mar 2022 10:19

Tgt Ion: 45 Resp: 16654

Ion Ratio Lower Upper

45 100

46 55.8 15.1 60.5



#15

Acetone

Concen: 1.19 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL038679.D

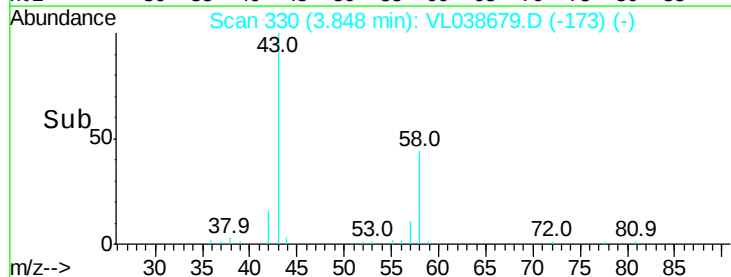
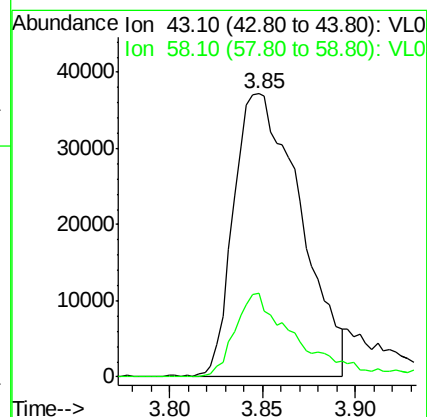
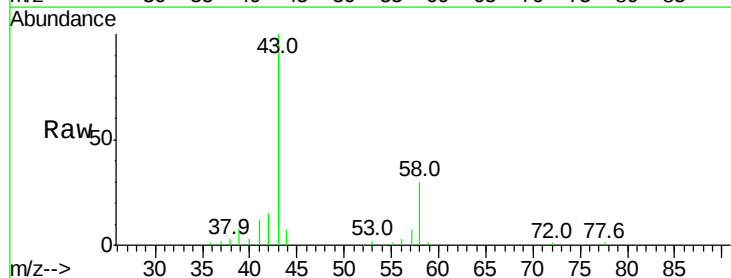
Acq: 22 Mar 2022 10:19

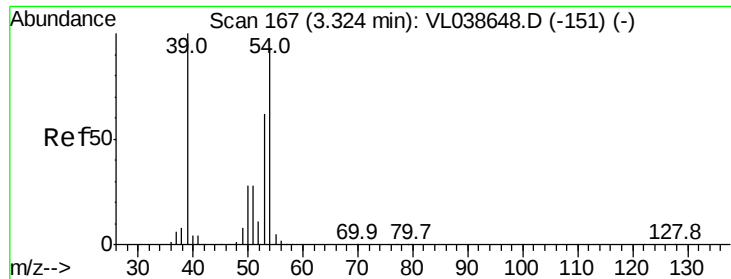
Tgt Ion: 43 Resp: 92862

Ion Ratio Lower Upper

43 100

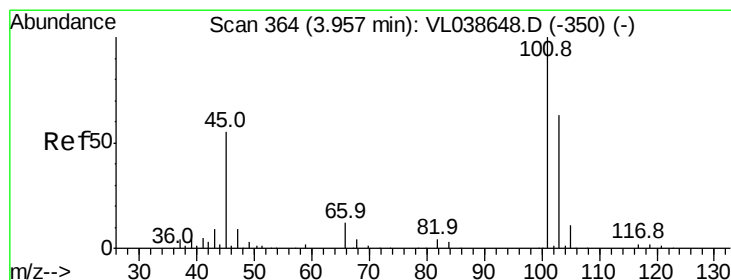
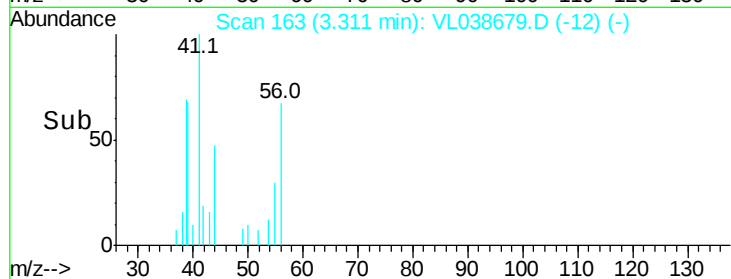
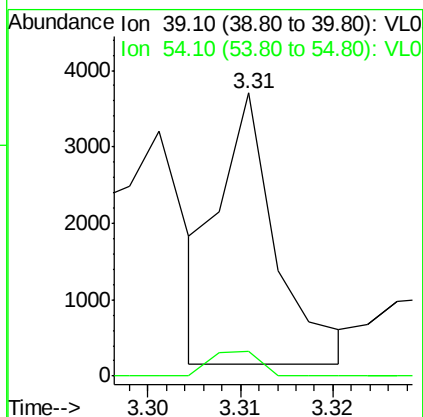
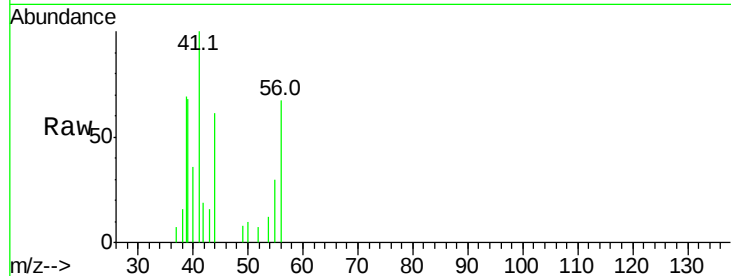
58 28.3 23.3 34.9





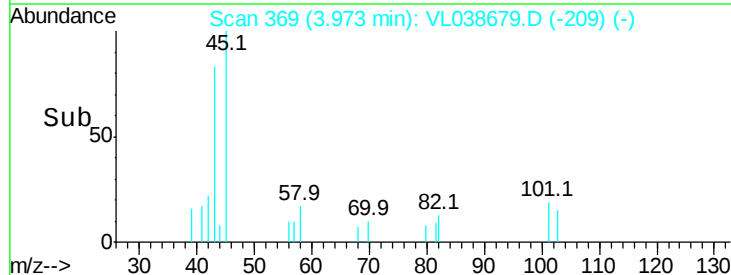
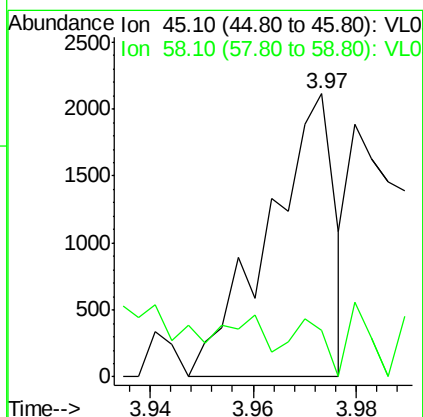
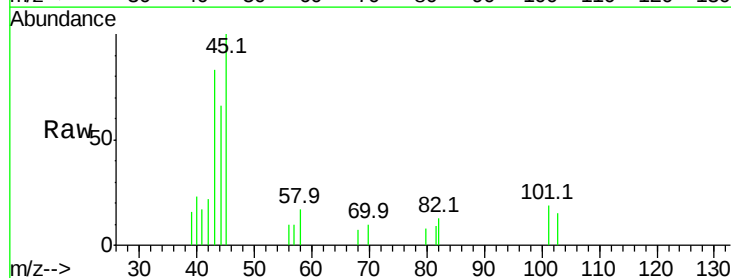
#16
 1,3-Butadiene
 Concen: 0.03 ppbv
 RT: 3.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Mar 2022 10:19

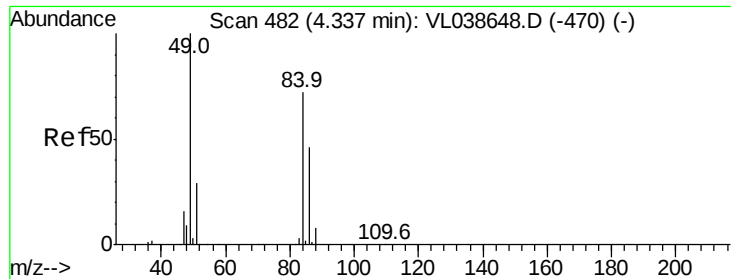
Tgt Ion: 39 Resp: 1494
 Ion Ratio Lower Upper
 39 100
 54 8.1 69.1 103.7#



#19
 Isopropyl Alcohol
 Concen: 0.04 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.02 min
 Lab File: VL038679.D
 Acq: 22 Mar 2022 10:19

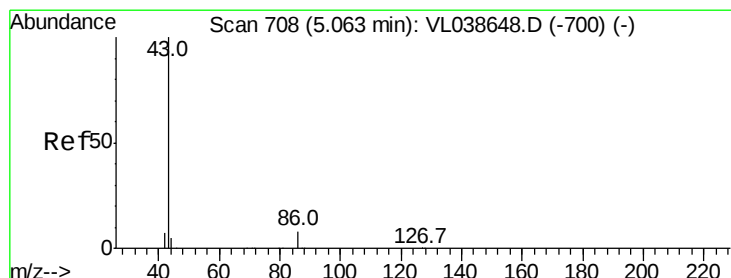
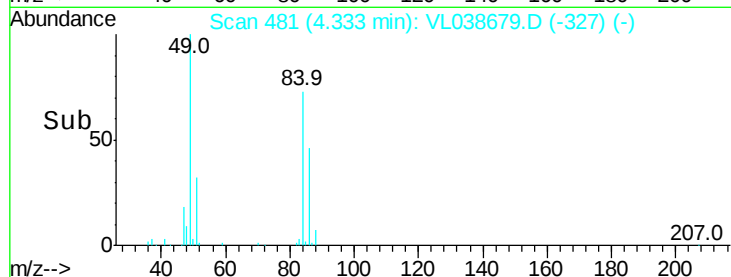
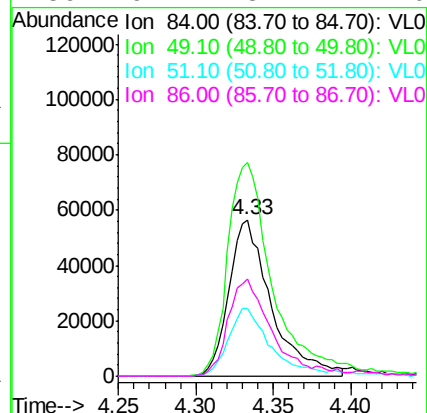
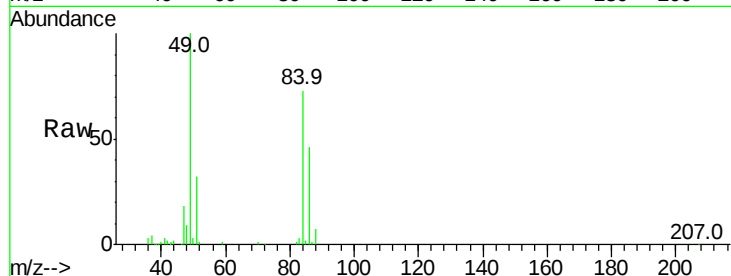
Tgt Ion: 45 Resp: 1882
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.3 3.5#





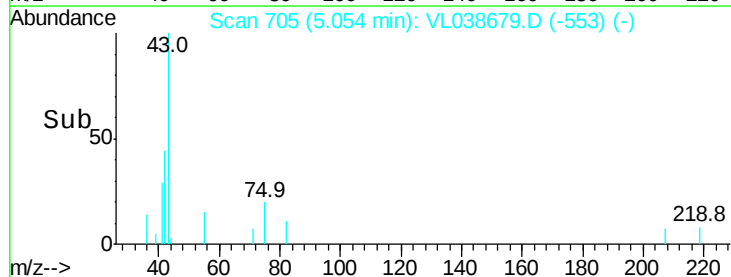
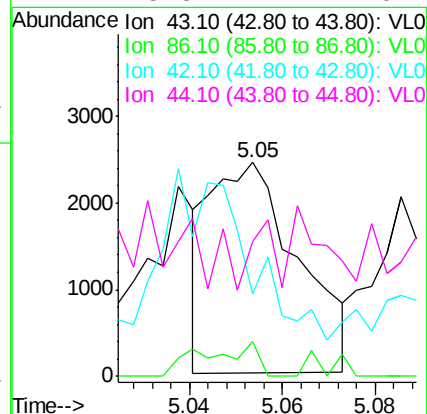
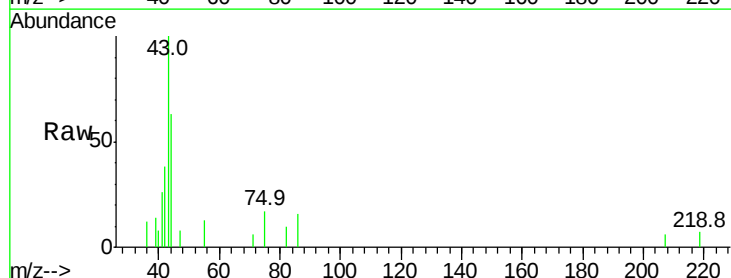
#20
Methylene Chloride
Concen: 3.27 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP82DLDUP
Acq: 22 Mar 2022 10:19

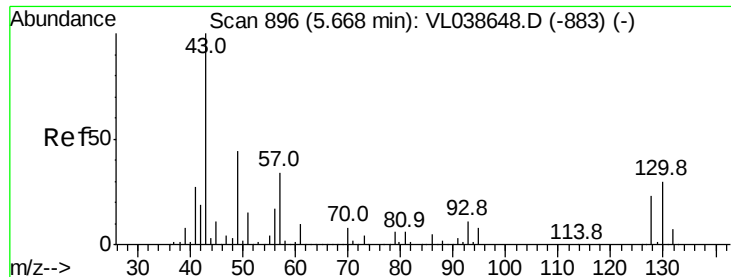
Tgt Ion: 84 Resp: 107603
Ion Ratio Lower Upper
84 100
49 135.8 111.2 166.8
51 42.9 32.8 49.2
86 62.2 51.4 77.0



#23
Vinyl Acetate
Concen: 0.04 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.01 min
Lab File: VL038679.D
Acq: 22 Mar 2022 10:19

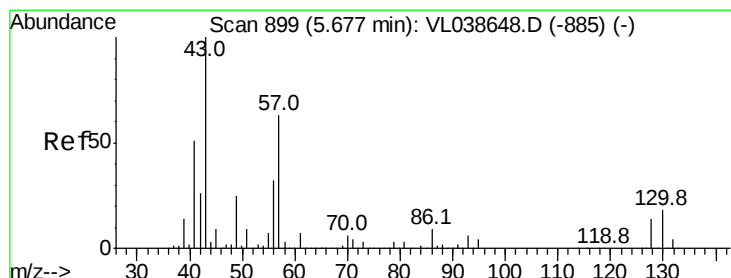
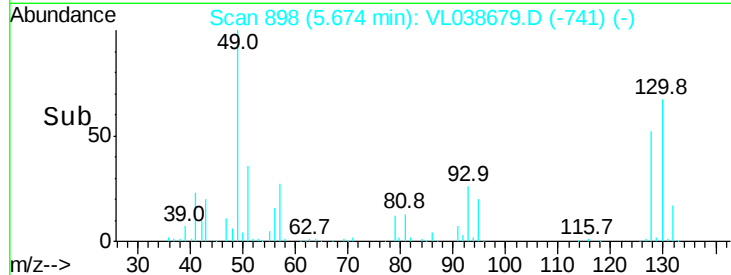
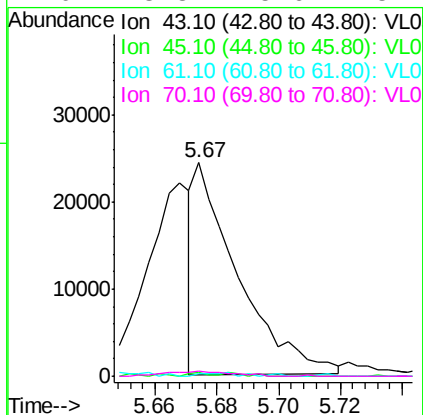
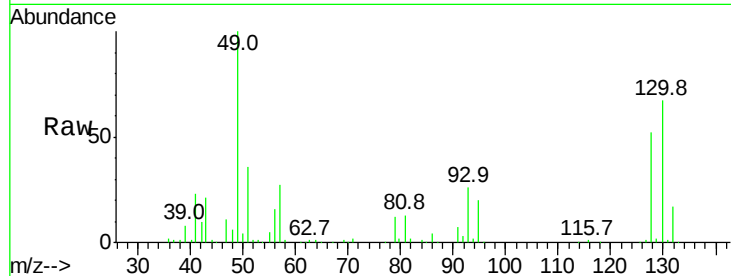
Tgt Ion: 43 Resp: 3224
Ion Ratio Lower Upper
43 100
86 9.7 5.6 8.4#
42 19.9 6.8 10.2#
44 13.3 4.2 6.2#





#25
Ethyl Acetate
Concen: 0.12 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP82DLDUP
Acq: 22 Mar 2022 10:19

Tgt Ion:	43	Resp:	23629
Ion	Ratio	Lower	Upper
43	100		
45	3.0	8.2	12.4#
61	0.0	8.3	12.5#
70	3.8	5.6	8.4#



#26
Hexane
Concen: 0.73 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL038679.D
Acq: 22 Mar 2022 10:19

Tgt Ion:	57	Resp:	63985
Ion	Ratio	Lower	Upper
57	100		
41	94.5	67.0	100.4
43	76.9	184.2	276.2#
56	60.2	42.6	64.0

