

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038520.D
 Acq On : 3 Mar 2022 19:12
 Operator : SY/AP
 Sample : CAN 10588
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 04:34:25 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	633779	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	1394690	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	972629	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	775437	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

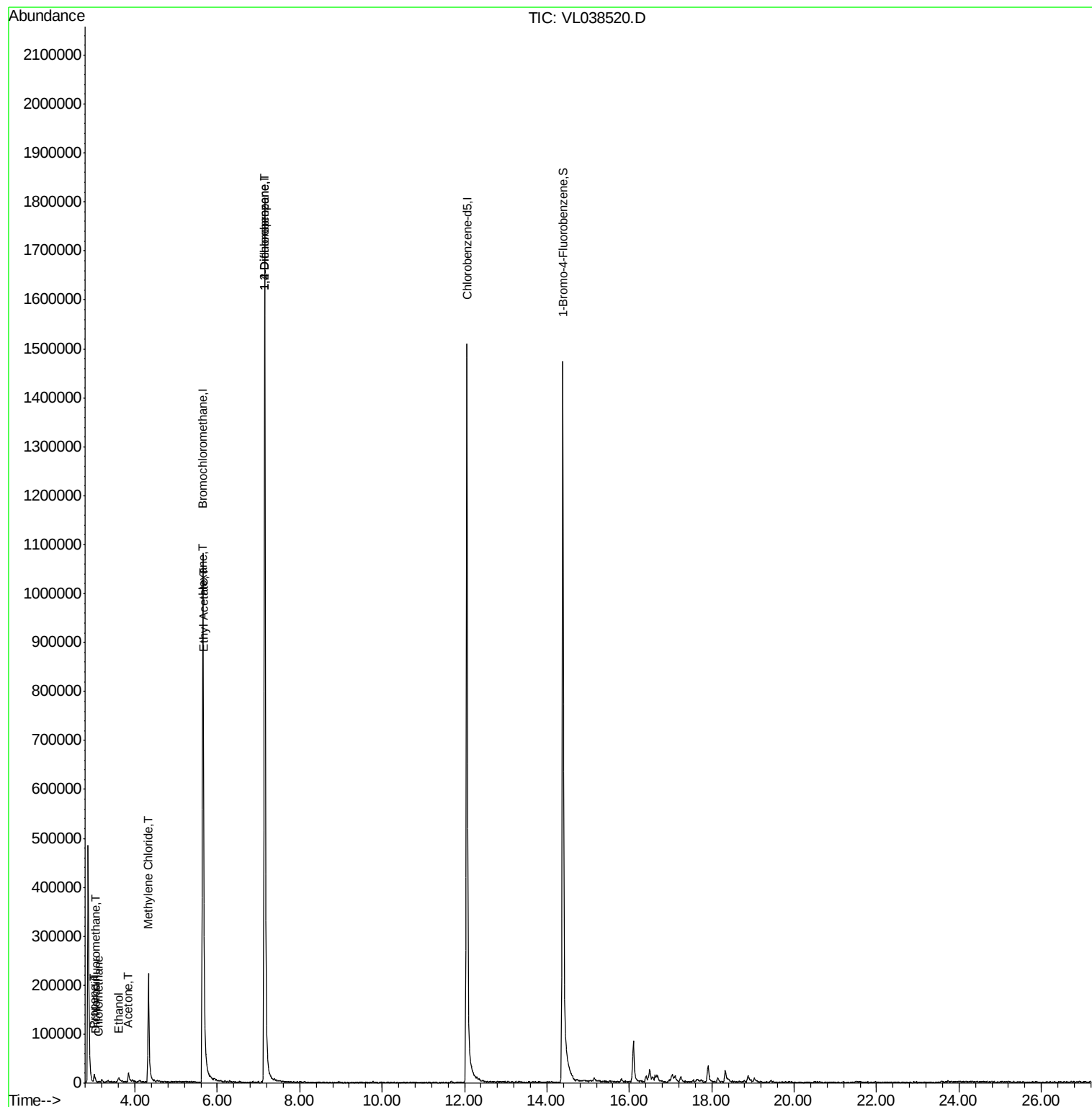
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	3037	0.030	ppbv #	60
4) Chloromethane	3.12	50	1231	0.032	ppbv	94
9) Propene	3.01	41	2897	0.078	ppbv #	68
13) Ethanol	3.59	45	4461	1.210	ppbv #	1
15) Acetone	3.84	43	19649	0.365	ppbv #	74
20) Methylene Chloride	4.33	84	89597	3.355	ppbv	93
25) Ethyl Acetate	5.67	43	40414	0.279	ppbv #	78
26) Hexane	5.66	57	51529	0.786	ppbv #	40
39) 1,2-Dichloropropane	7.15	63	392645	8.029	ppbv #	24

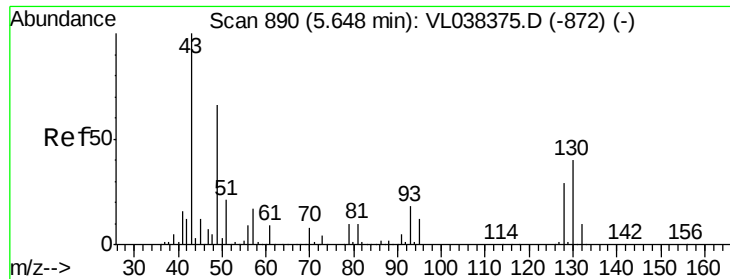
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 19:12

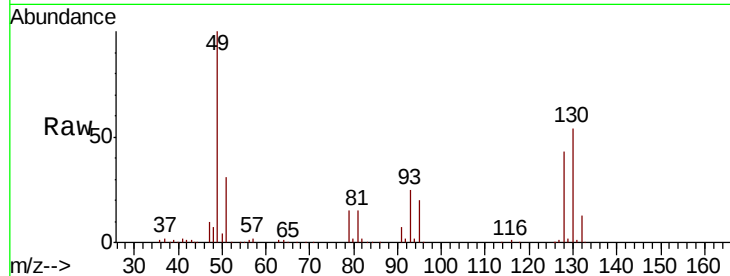
Tot Ion: 49 Resp: 633779

Ion Ratio Lower Upper

49 100

128 45.7 24.3 72.9

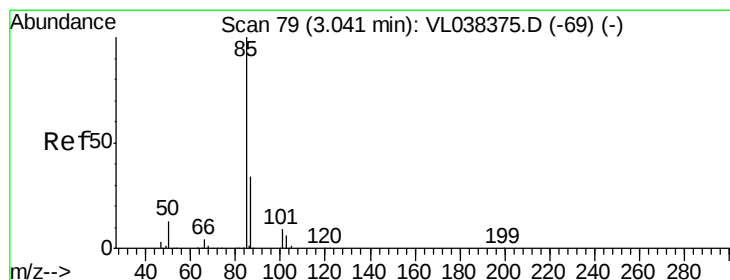
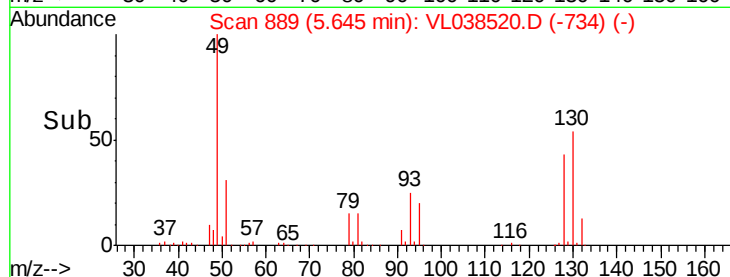
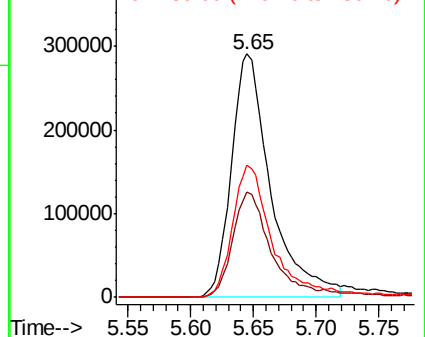
130 57.3 30.1 90.5



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: 0.030 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL038520.D

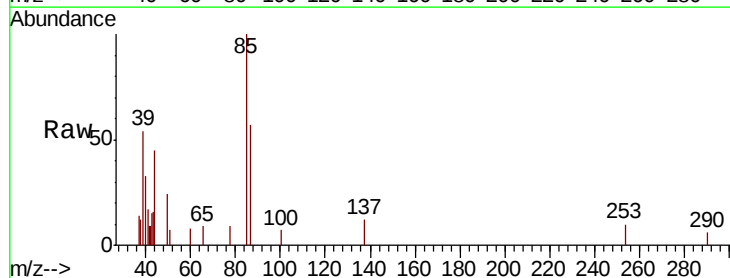
Acq: 3 Mar 2022 19:12

Tgt Ion: 85 Resp: 3037

Ion Ratio Lower Upper

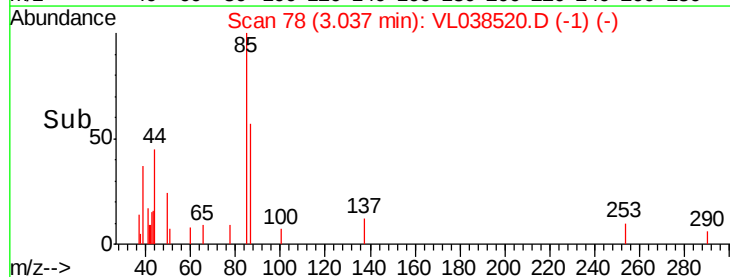
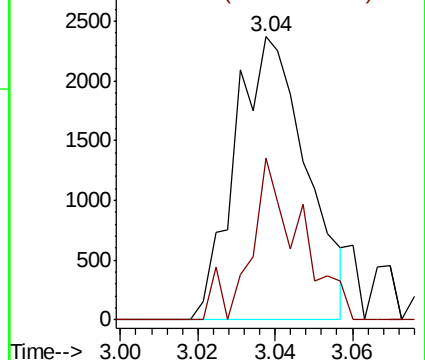
85 100

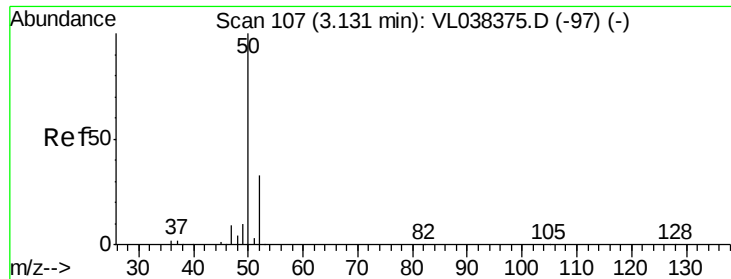
87 57.1 27.4 41.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.032 ppbv

RT: 3.12 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

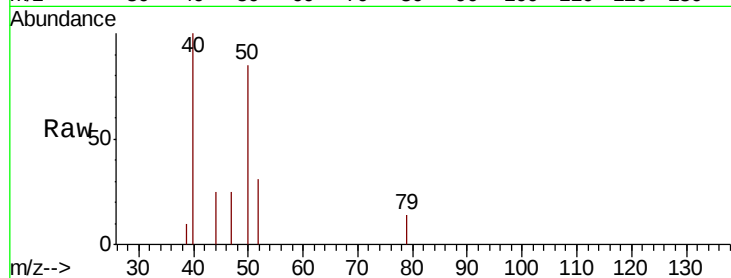
Acq: 3 Mar 2022 19:12

Tot Ion: 50 Resp: 1231

Ion Ratio Lower Upper

50 100

52 36.4 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.12

1500

1000

500

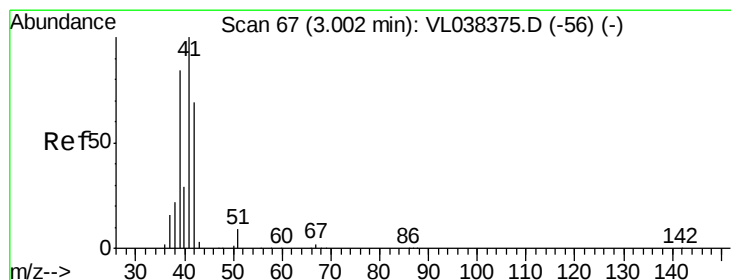
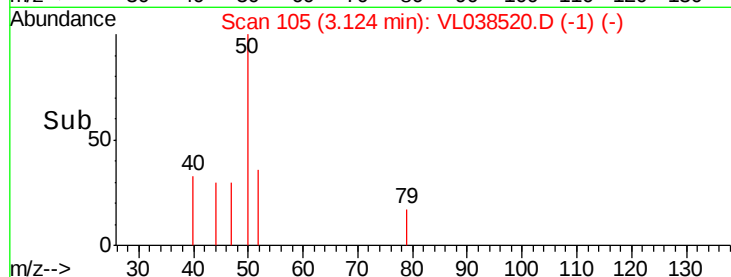
0

Time-->

3.10

3.12

3.14



#9

Propene

Concen: 0.078 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL038520.D

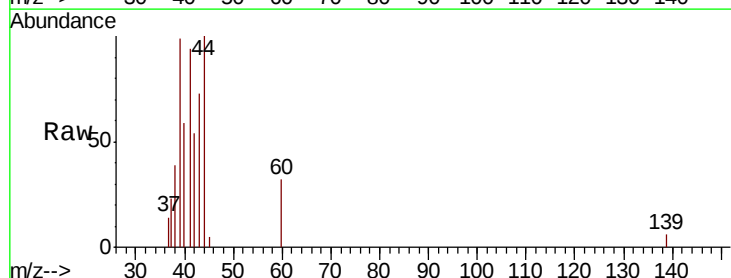
Acq: 3 Mar 2022 19:12

Tgt Ion: 41 Resp: 2897

Ion Ratio Lower Upper

41 100

42 94.2 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3000

2500

2000

1500

1000

500

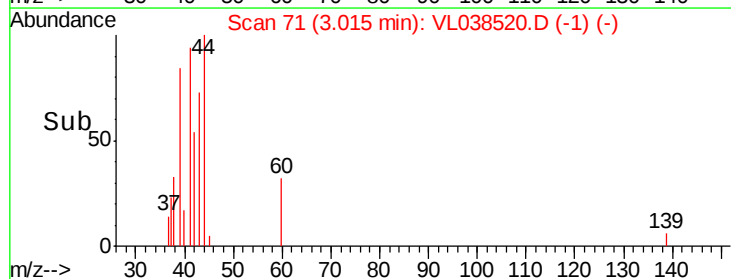
0

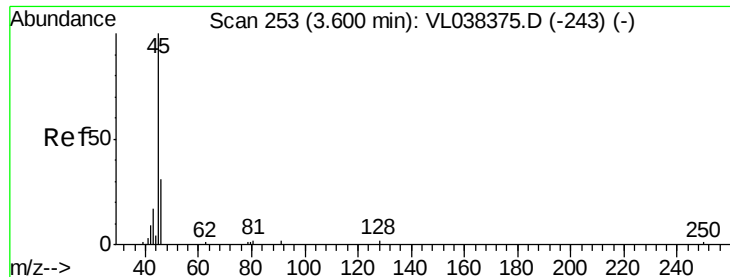
Time-->

2.98

3.00

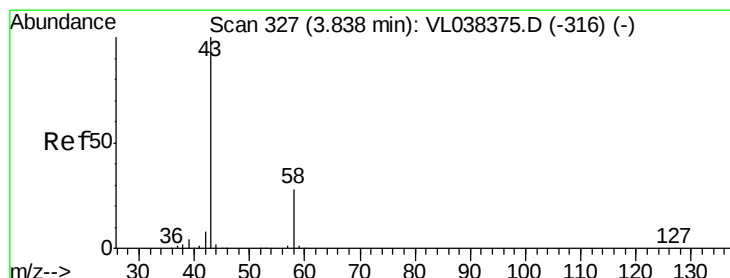
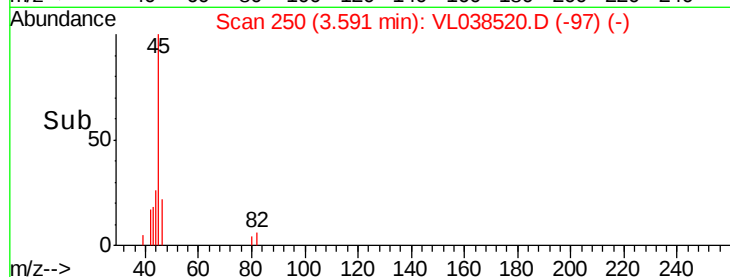
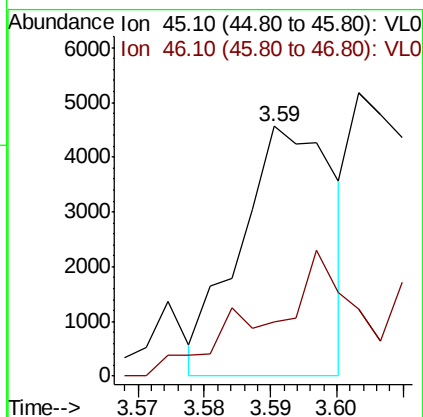
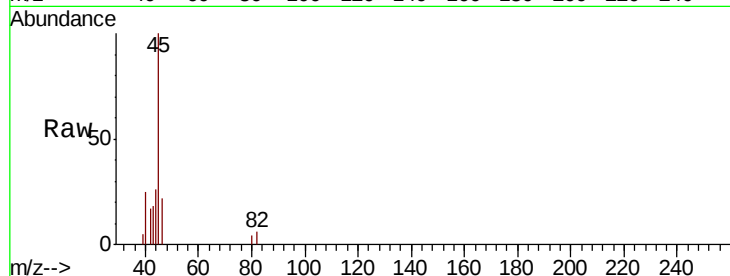
3.02





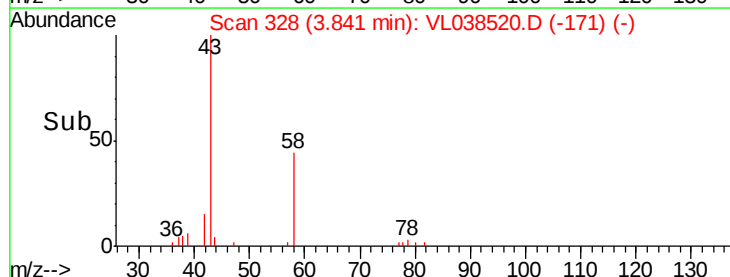
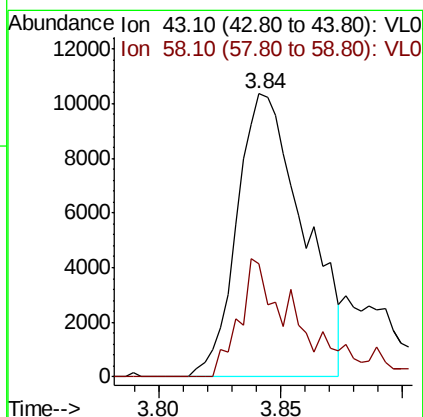
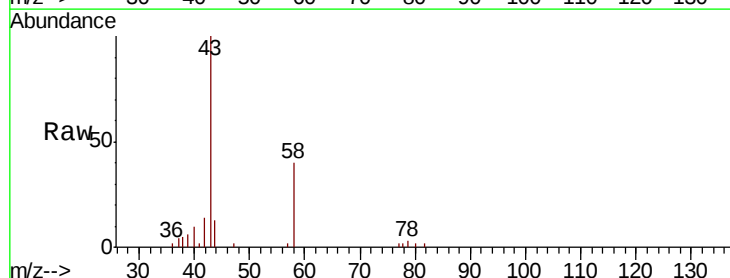
#13
Ethanol
Concen: 1.210 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 19:12

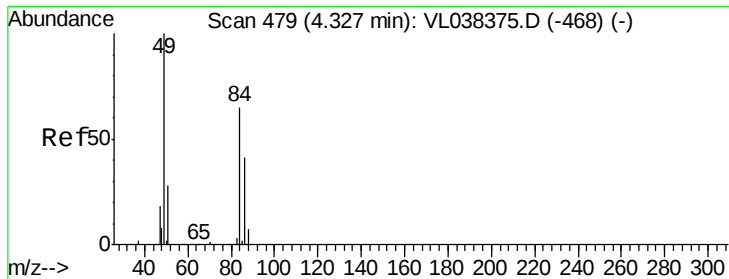
Tot Ion: 45 Resp: 4461
Ion Ratio Lower Upper
45 100
46 111.5 18.2 72.8#



#15
Acetone
Concen: 0.365 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.00 min
Lab File: VL038520.D
Acq: 3 Mar 2022 19:12

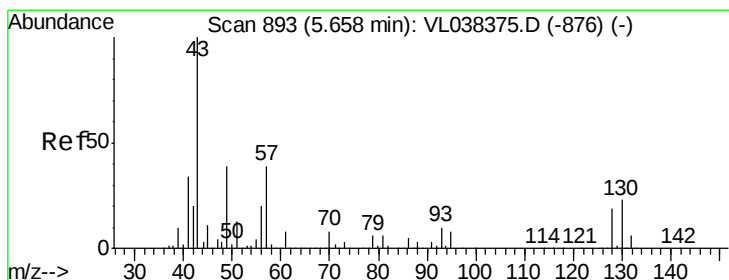
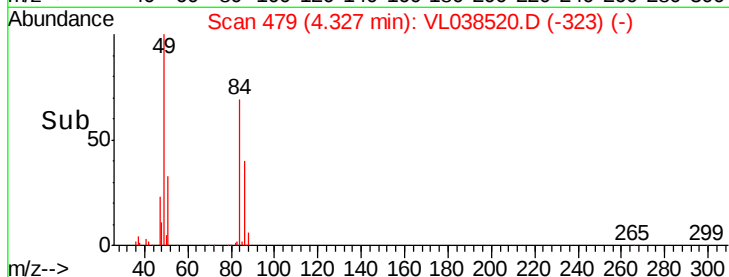
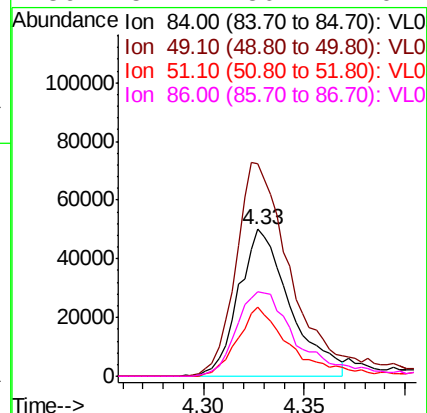
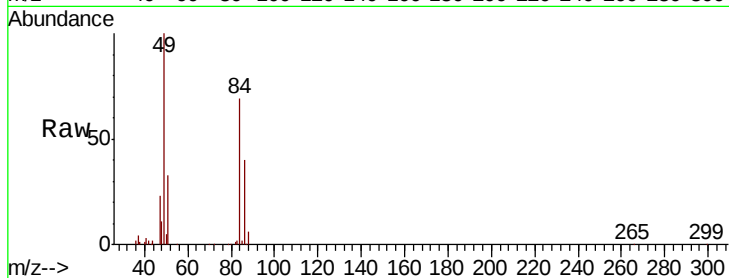
Tgt Ion: 43 Resp: 19649
Ion Ratio Lower Upper
43 100
58 40.7 21.7 32.5#





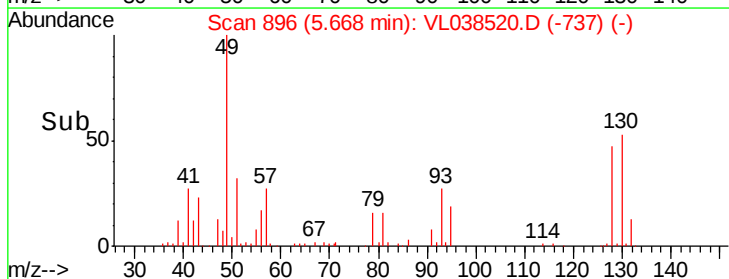
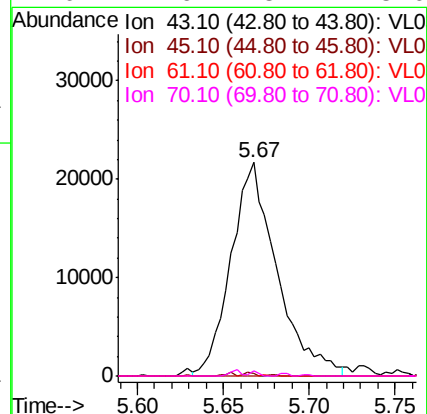
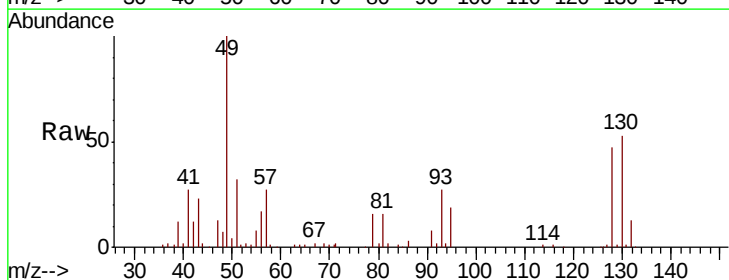
#20
Methvlene Chloride
Concen: 3.355 ppbv
RT: 4.33
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 19:12

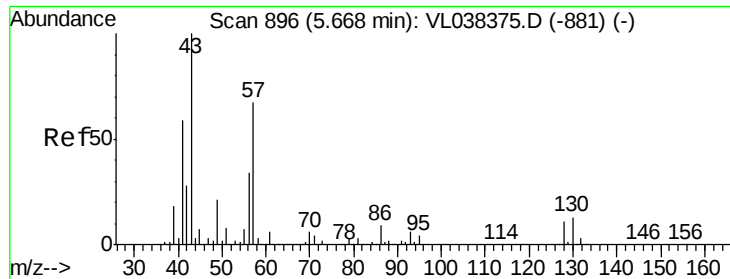
Tot Ion:	84	Resp:	89597
Ion	Ratio	Lower	Upper
84	100		
49	144.0	122.4	183.6
51	47.1	33.3	49.9
86	57.7	50.7	76.1



#25
Ethyl Acetate
Concen: 0.279 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL038520.D
Acq: 3 Mar 2022 19:12

Tgt Ion:	43	Resp:	40414
Ion	Ratio	Lower	Upper
43	100		
45	0.9	7.8	11.6#
61	0.0	7.5	11.3#
70	1.6	5.4	8.0#





#26

Hexane

Concen: 0.786 ppbv

RT: 5.66 Instrument:

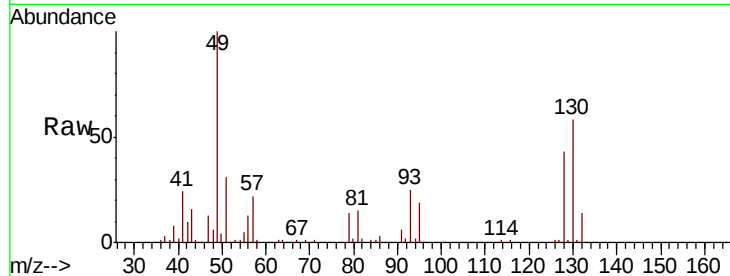
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 19:12

Tot Ion: 57 Resp: 51529

Ion	Ratio	Lower	Upper
57	100		
41	110.5	73.1	109.7#
43	81.7	181.0	271.4#
56	62.4	43.4	65.0

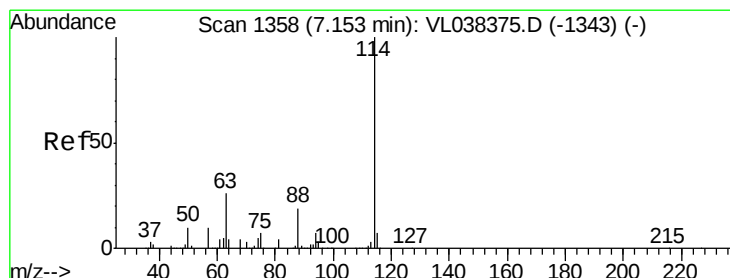
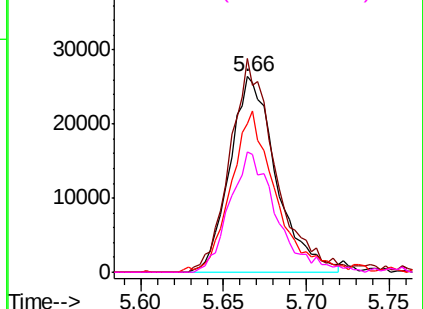
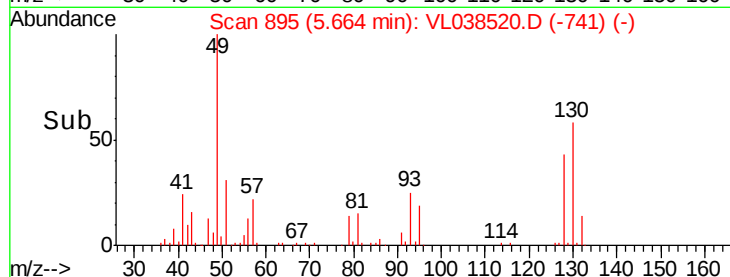


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

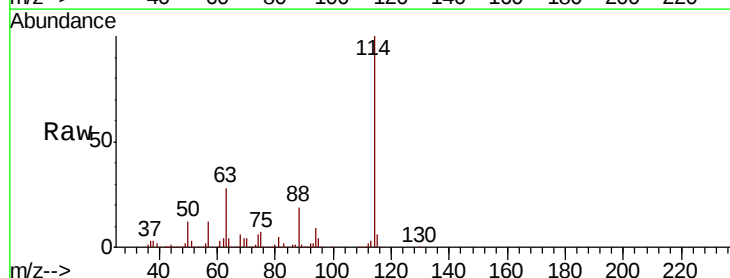
Delta R.T. -0.00 min

Lab File: VL038520.D

Acq: 3 Mar 2022 19:12

Tgt Ion: 114 Resp: 1394690

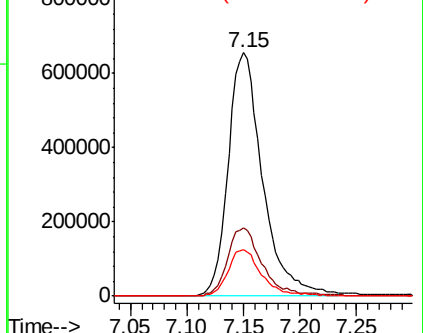
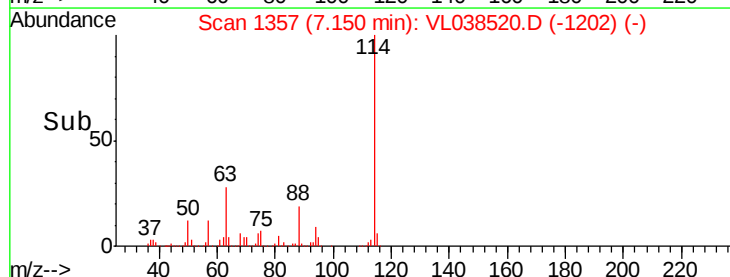
Ion	Ratio	Lower	Upper
114	100		
63	28.7	22.2	33.2
88	19.1	15.2	22.8

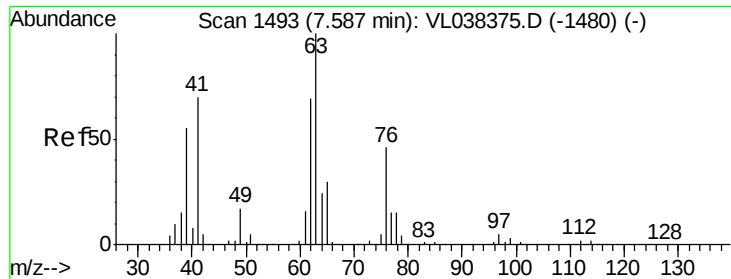


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

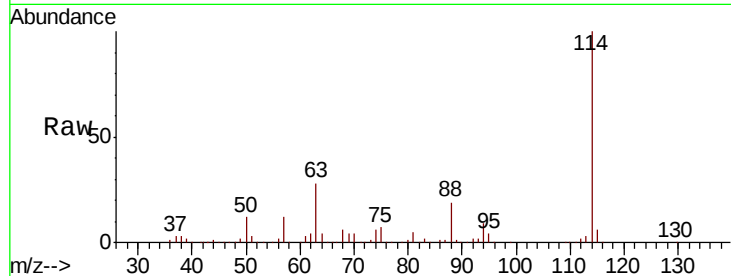
Ion 88.10 (87.80 to 88.80): VL0





#39
 1,2-Dichloropropane
 Concen: 8.029 ppbv
 RT: 7.15 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 19:12

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	56.1	84.1#
62	14.9	55.5	83.3#

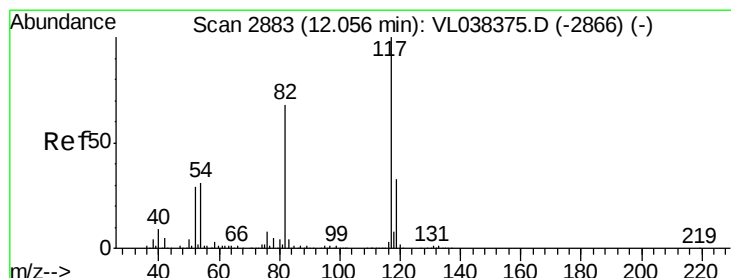
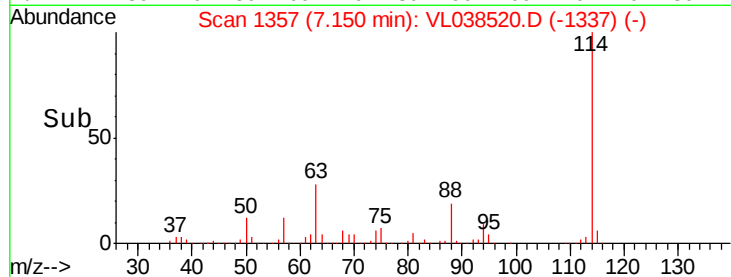
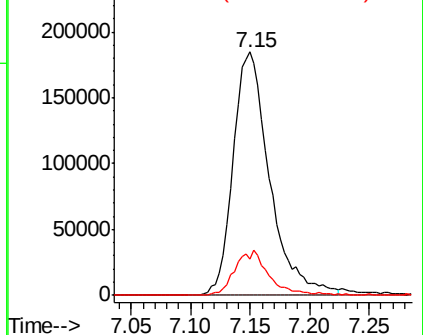


Abundance

Ion 63.10 (62.80 to 63.80): VL0

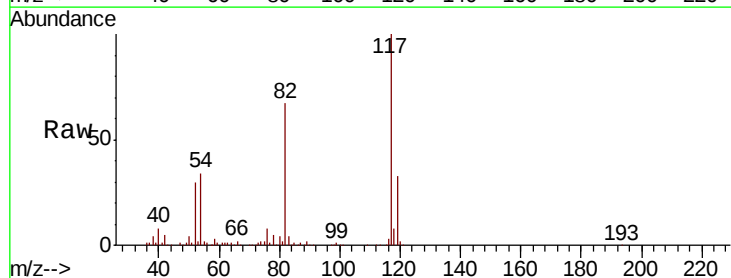
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2883
 Delta R.T.: -0.00 min
 Lab File: VL038520.D
 Acq: 3 Mar 2022 19:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	73.0	54.9	82.3
119	33.3	46.1	69.1#

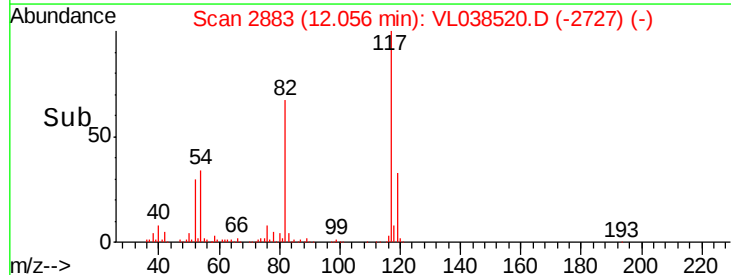
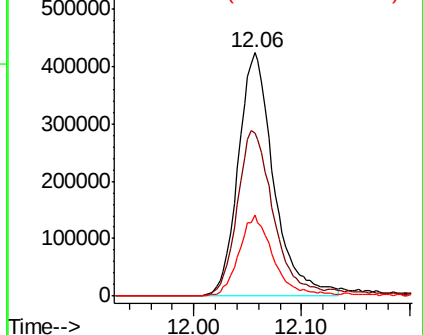


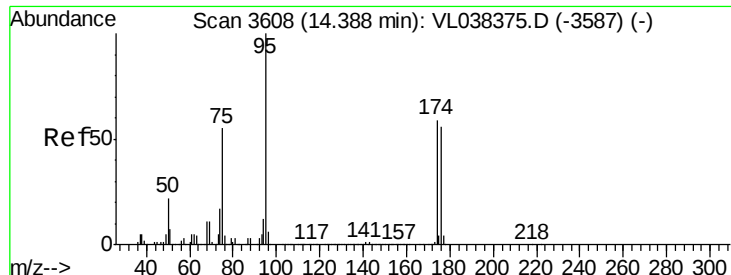
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.636 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 19.12

Tot Ion: 95 Resp: 775437

Ion Ratio Lower Upper

95 100

174 62.1 49.0 73.4

175 4.5 3.6 5.4

