

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032822\
 Data File : VL038773.D
 Acq On : 28 Mar 2022 16:17
 Operator : SY/AP
 Sample : N2078-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-3

Quant Time: Mar 29 06:11:01 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	5.67	49	771327	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2079004	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	1703302	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1251818	9.59	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

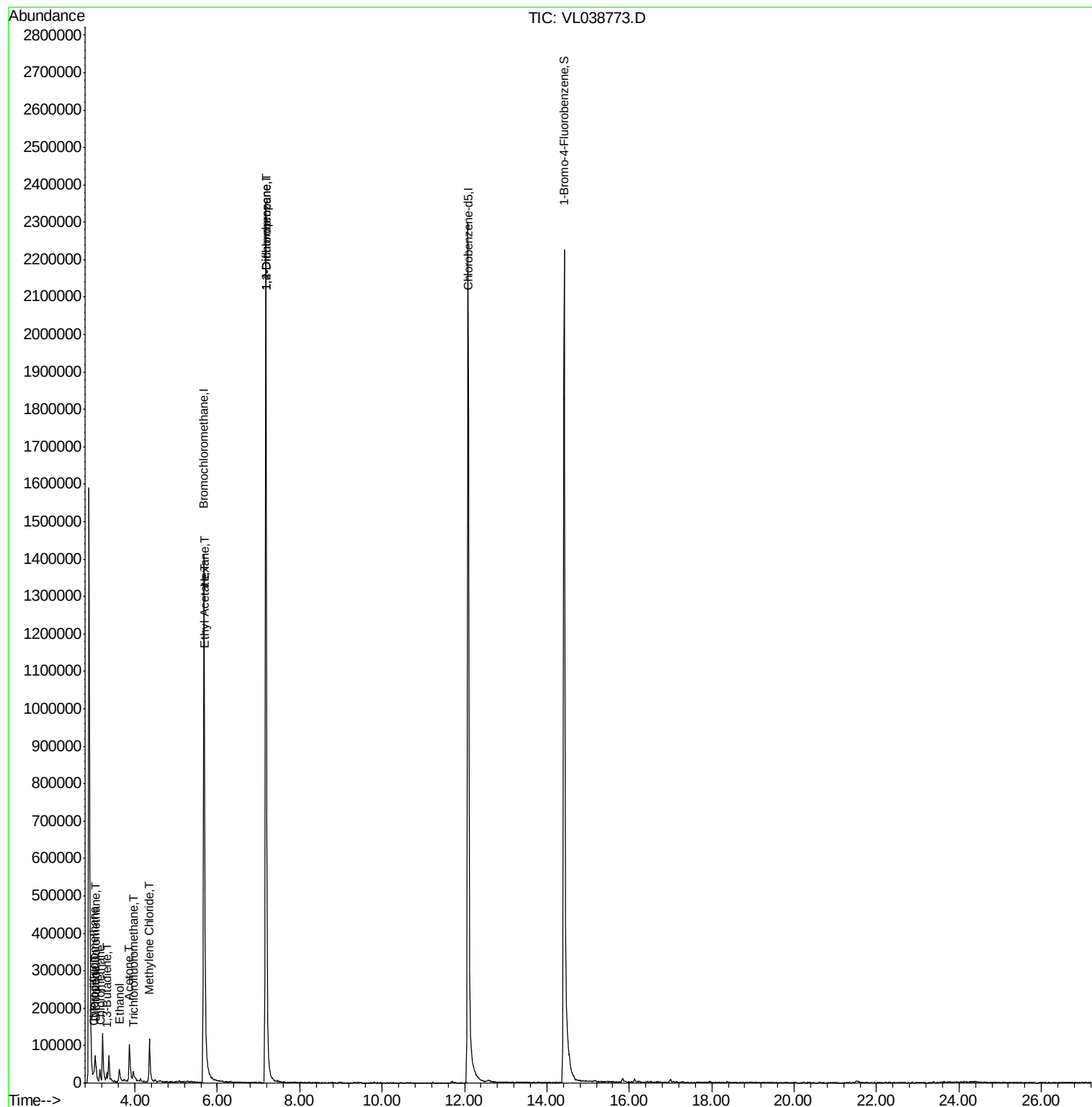
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	26622	0.257	ppbv	90
3) Chlorodifluoromethane	3.00	51	28125	0.345	ppbv	96
4) Chloromethane	3.15	50	33940	0.759	ppbv	90
9) Propene	3.03	41	19704	0.501	ppbv	89
11) Trichlorofluoromethane	3.96	101	19831	0.217	ppbv	98
13) Ethanol	3.62	45	40140	9.252	ppbv	87
15) Acetone	3.86	43	142430	2.140	ppbv	94
16) 1,3-Butadiene	3.32	39	8093	0.214	ppbv #	17
20) Methylene Chloride	4.35	84	48562	1.732	ppbv	96
25) Ethyl Acetate	5.69	43	24667	0.147	ppbv #	80
26) Hexane	5.69	57	21832	0.291	ppbv #	38
39) 1,2-Dichloropropane	7.18	63	482533	7.693	ppbv #	28

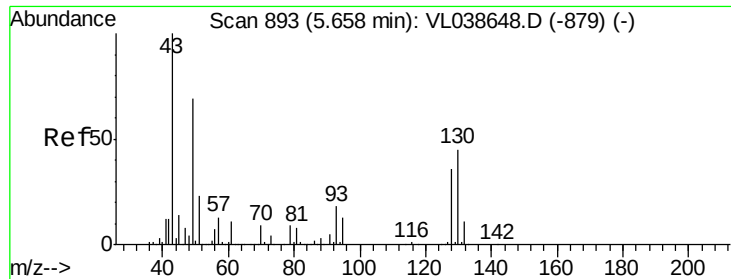
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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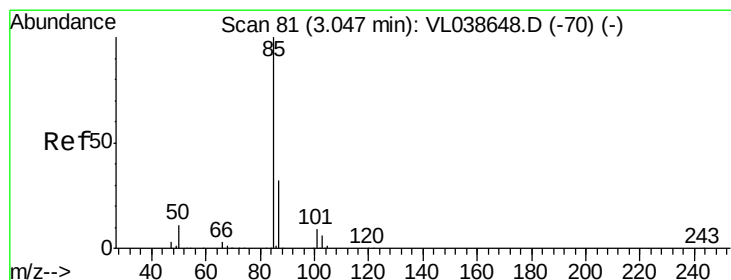
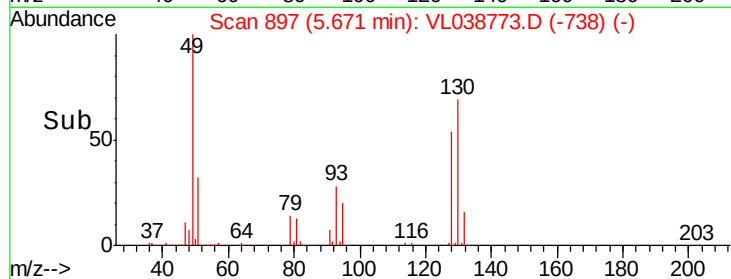
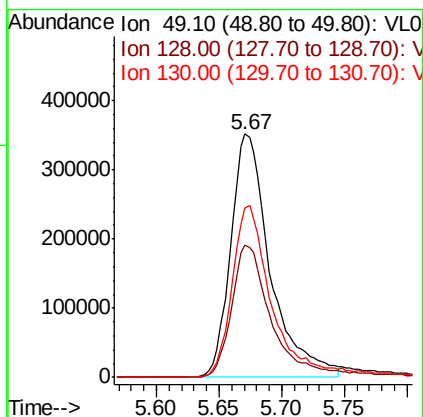
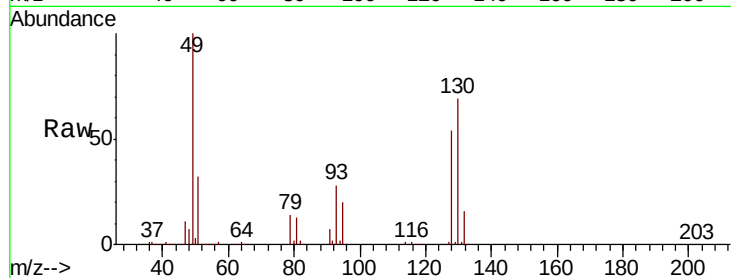
Quant Time: Mar 29 06:11:01 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
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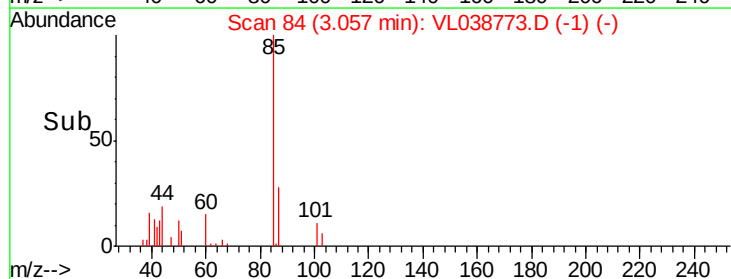
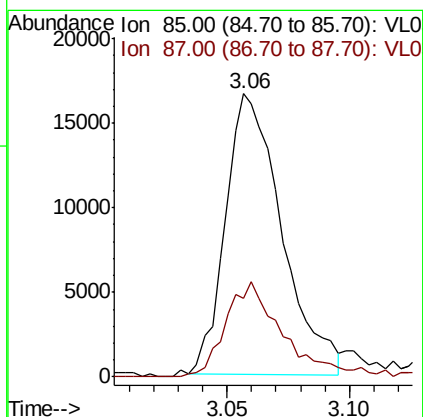
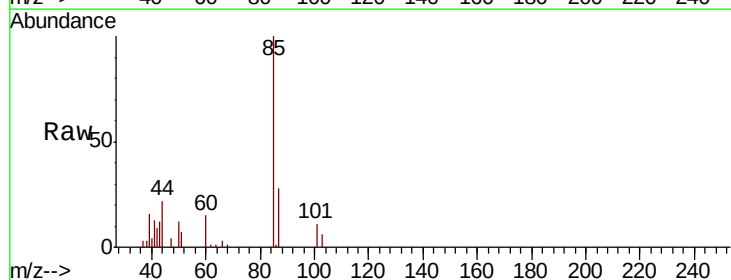
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Mar 2022 16:17

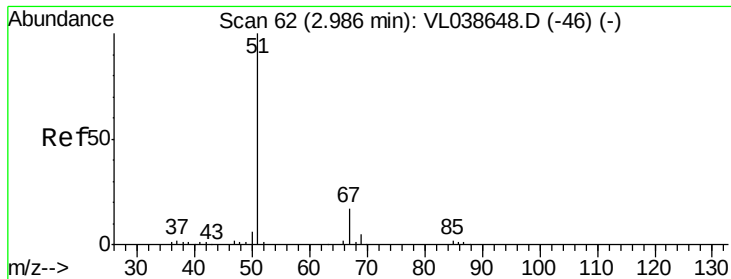
Tot Ion: 49 Resp: 771327
 Ion Ratio Lower Upper
 49 100
 128 57.2 26.2 78.6
 130 74.4 33.7 101.1



#2
 Dichlorodifluoromethane
 Concen: 0.257 ppbv
 RT: 3.06 min Scan# 84
 Delta R.T. 0.01 min
 Lab File: VL038773.D
 Acq: 28 Mar 2022 16:17

Tgt Ion: 85 Resp: 26622
 Ion Ratio Lower Upper
 85 100
 87 26.7 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.345 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

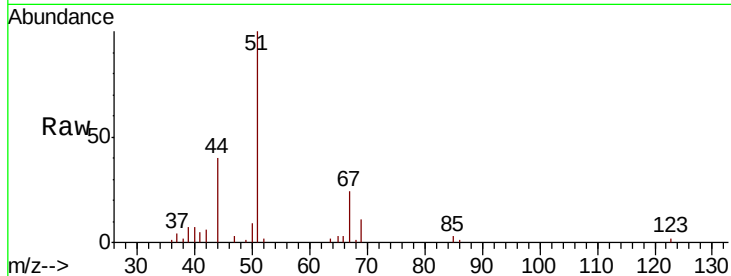
Acq: 28 Mar 2022 16:17

Tot Ion: 51 Resp: 28125

Ion Ratio Lower Upper

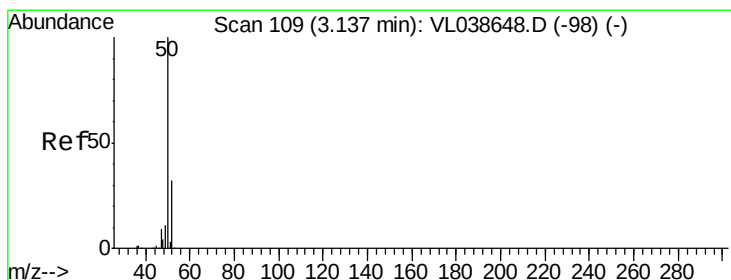
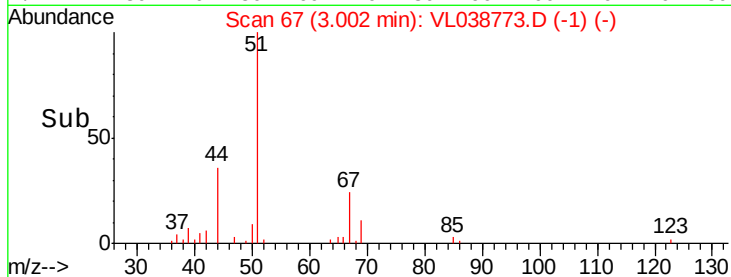
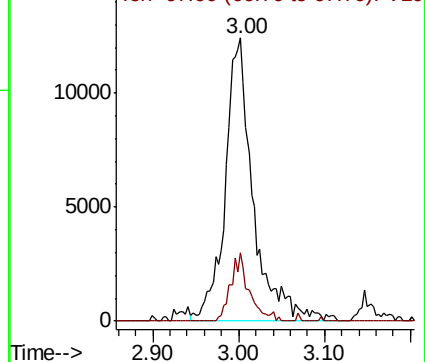
51 100

67 15.9 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.759 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL038773.D

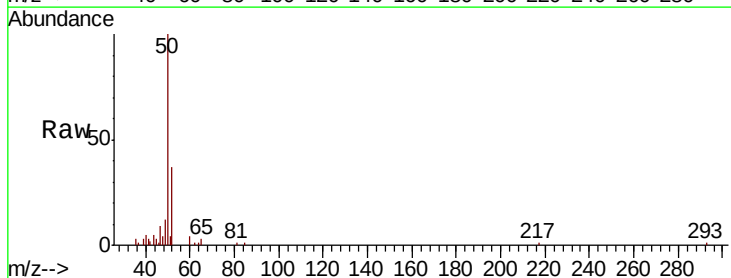
Acq: 28 Mar 2022 16:17

Tgt Ion: 50 Resp: 33940

Ion Ratio Lower Upper

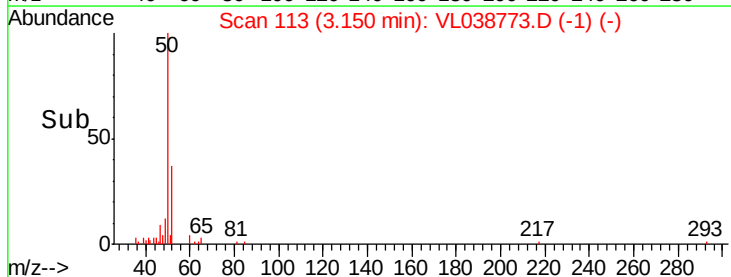
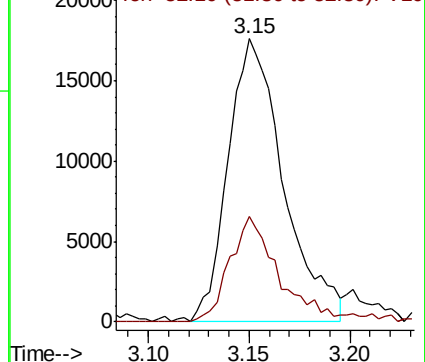
50 100

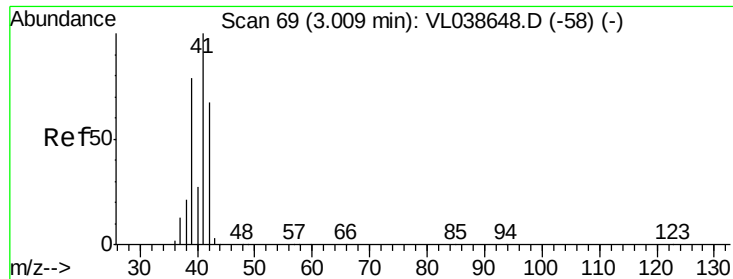
52 37.3 25.5 38.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.501 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

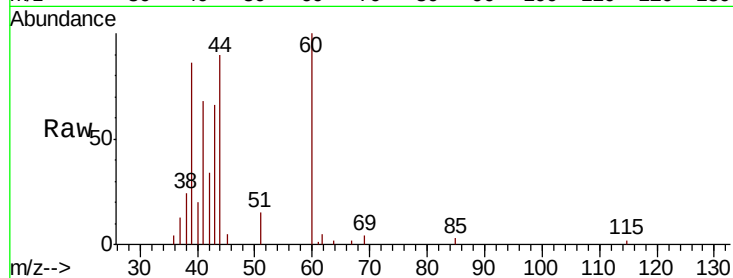
Acq: 28 Mar 2022 16:17

Tot Ion: 41 Resp: 19704

Ion Ratio Lower Upper

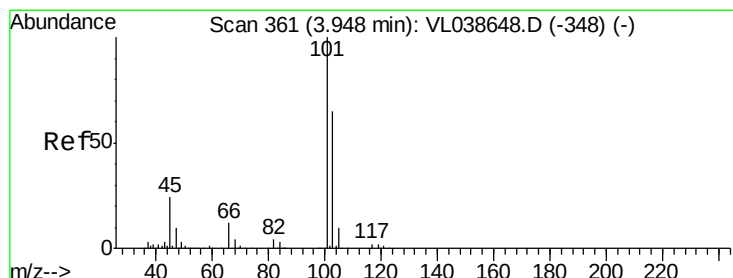
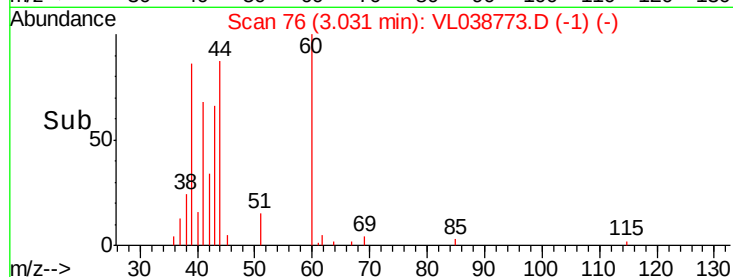
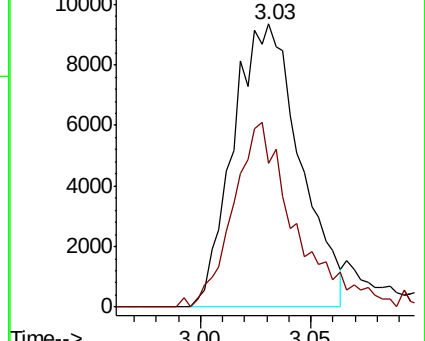
41 100

42 61.6 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.217 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL038773.D

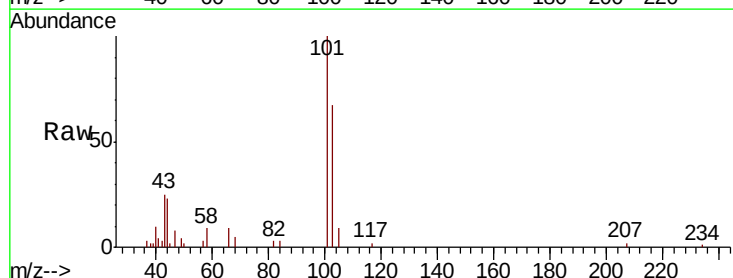
Acq: 28 Mar 2022 16:17

Tgt Ion:101 Resp: 19831

Ion Ratio Lower Upper

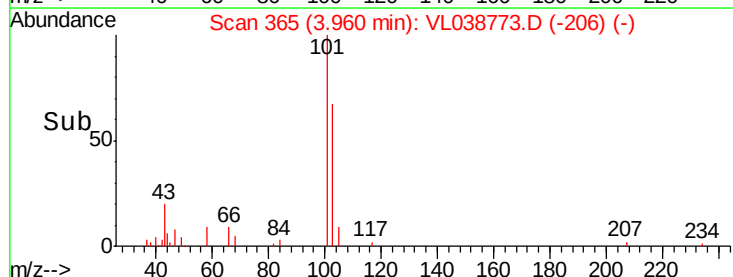
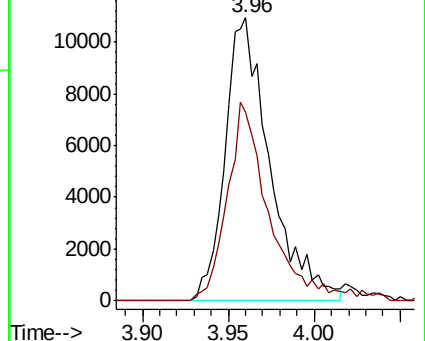
101 100

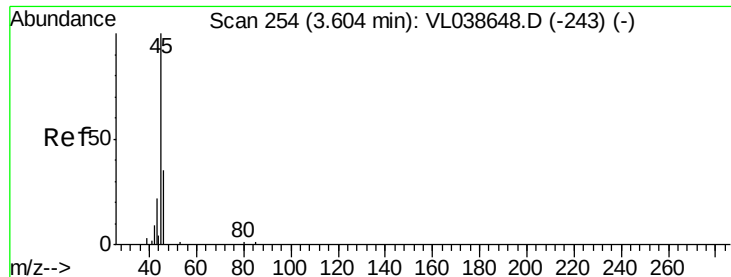
103 66.7 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

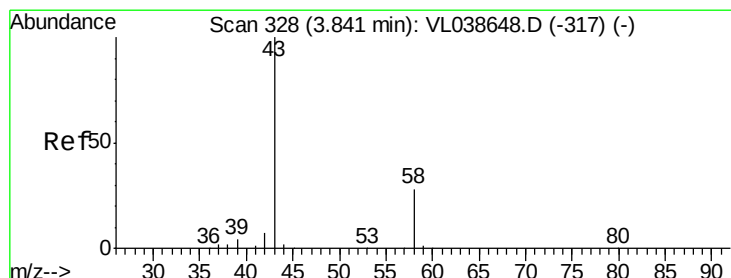
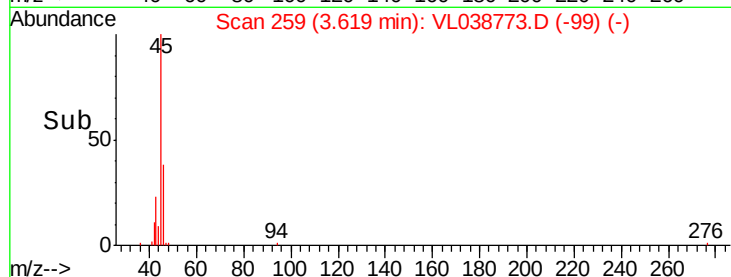
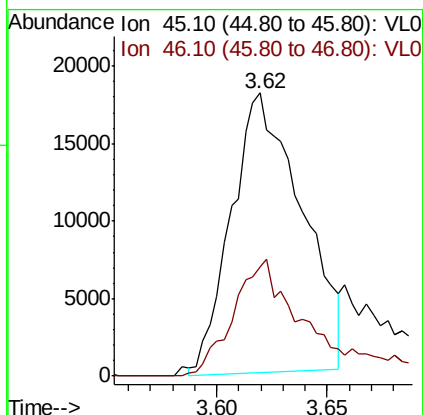
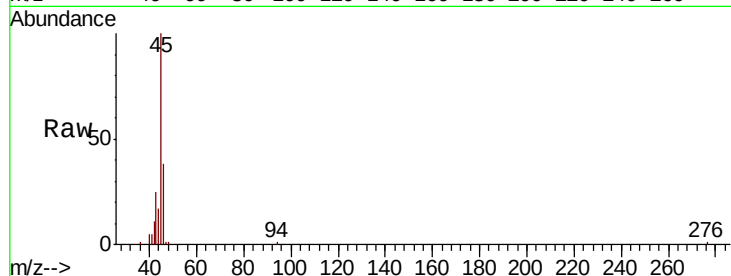
Ion 103.00 (102.70 to 103.70): V





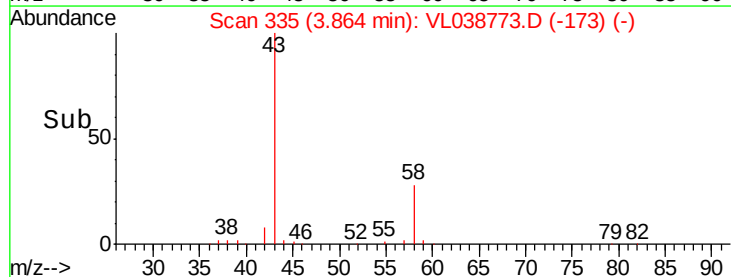
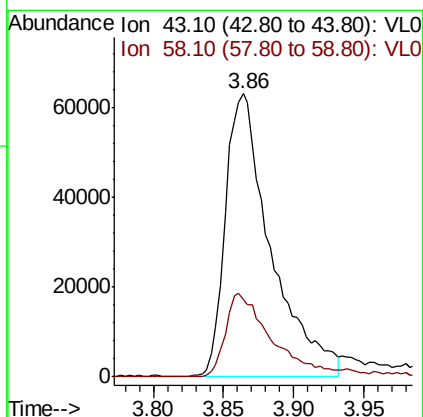
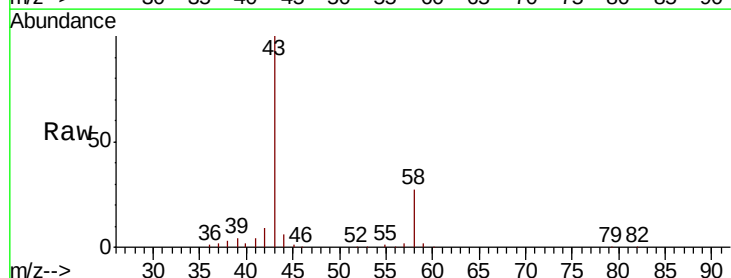
#13
Ethanol
Concen: 9.252 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Mar 2022 16:17

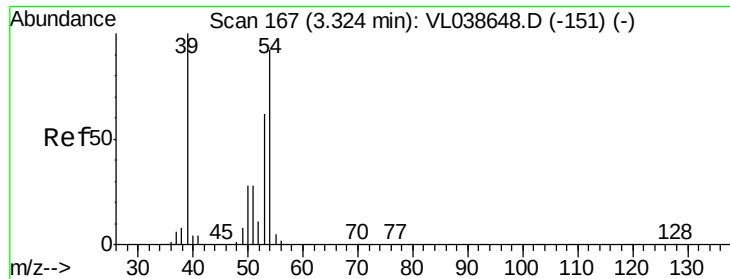
Tot Ion: 45 Resp: 40140
Ion Ratio Lower Upper
45 100
46 45.8 15.1 60.5



#15
Acetone
Concen: 2.140 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL038773.D
Acq: 28 Mar 2022 16:17

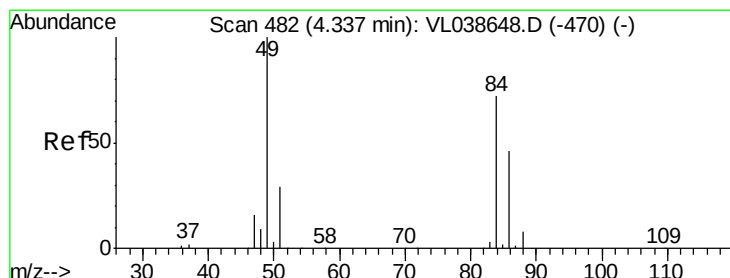
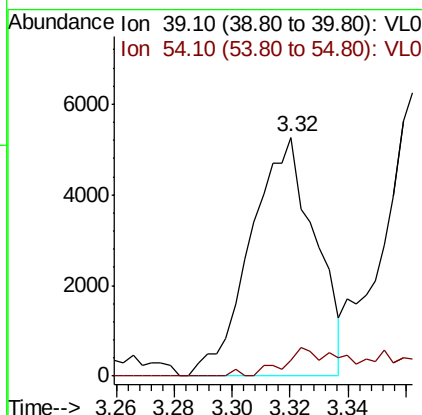
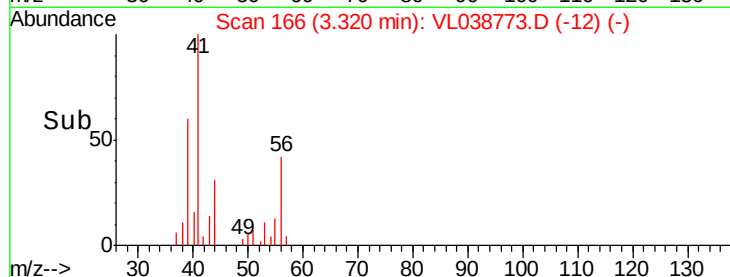
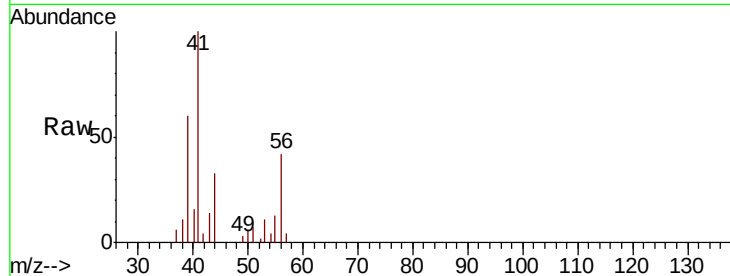
Tgt Ion: 43 Resp: 142430
Ion Ratio Lower Upper
43 100
58 32.5 23.3 34.9





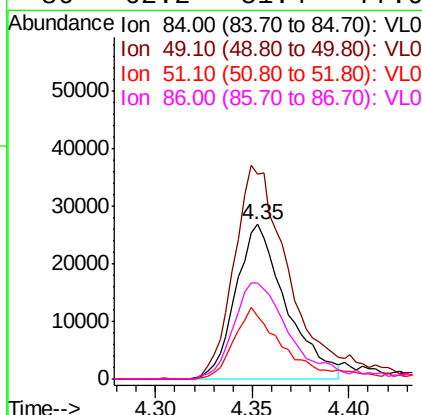
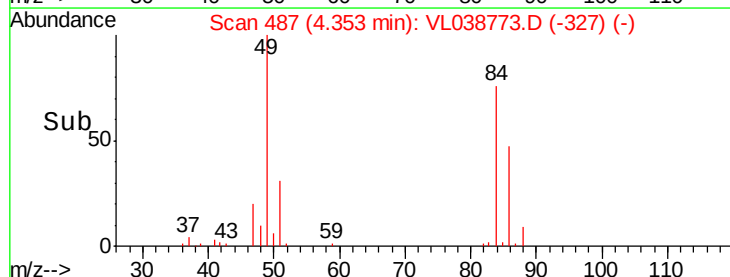
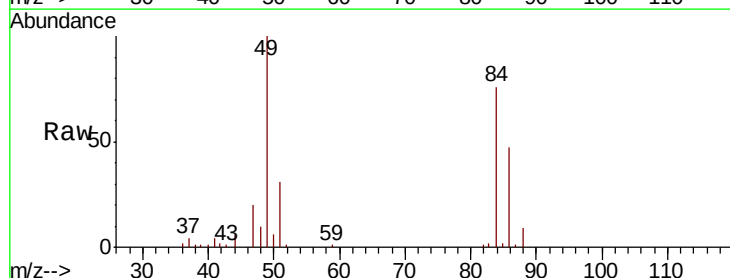
#16
 1,3-Butadiene
 Concen: 0.214 ppbv
 RT: 3.32 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 V-3
 Acq: 28 Mar 2022 16:17

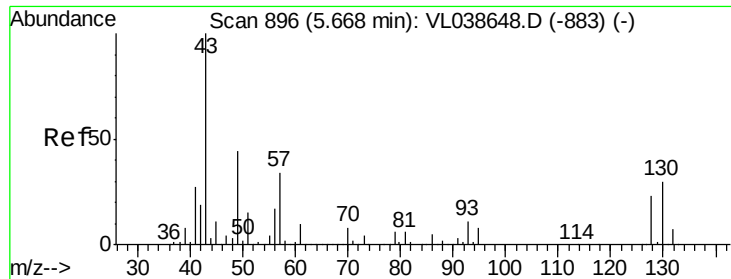
Tot Ion: 39 Resp: 8093
 Ion Ratio Lower Upper
 39 100
 54 10.3 69.1 103.7#



#20
 Methylene Chloride
 Concen: 1.732 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VL038773.D
 Acq: 28 Mar 2022 16:17

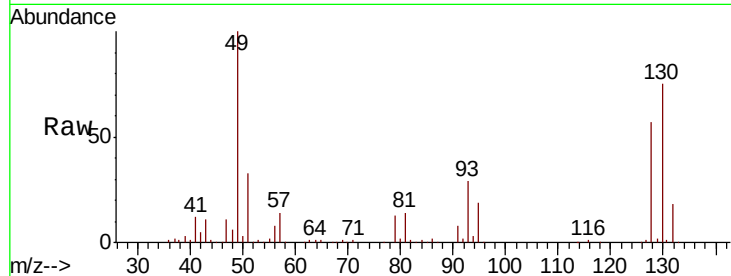
Tgt Ion: 84 Resp: 48562
 Ion Ratio Lower Upper
 84 100
 49 132.2 111.2 166.8
 51 40.8 32.8 49.2
 86 62.2 51.4 77.0





#25
Ethyl Acetate
Concen: 0.147 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Mar 2022 16:17

Tot Ion:	43	Resp:	24667
Ion	Ratio	Lower	Upper
43	100		
45	4.5	8.2	12.4#
61	0.7	8.3	12.5#
70	1.5	5.6	8.4#



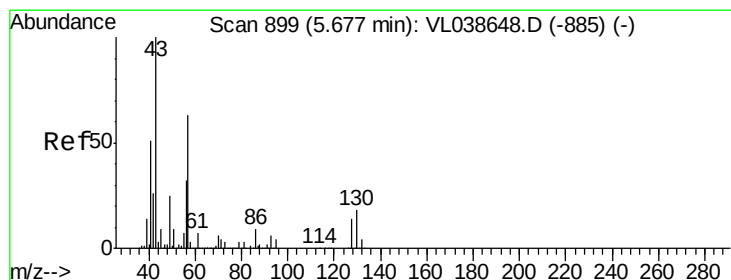
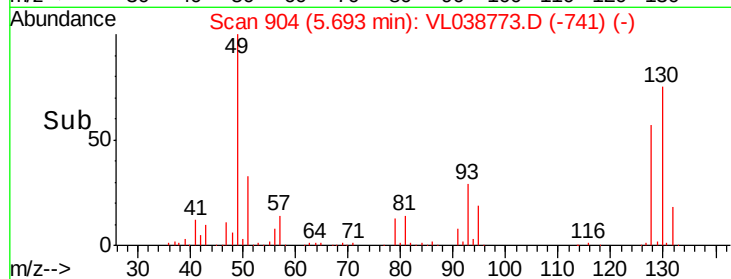
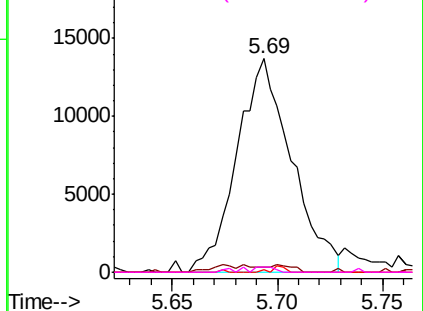
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

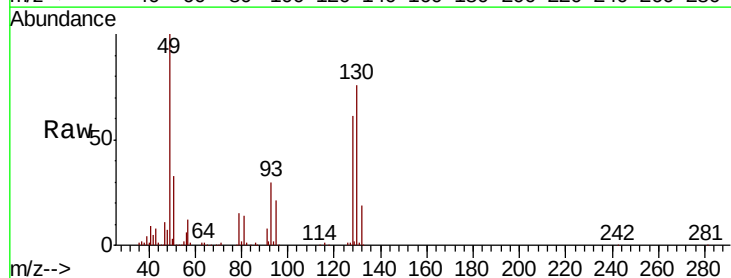
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 0.291 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.01 min
Lab File: VL038773.D
Acq: 28 Mar 2022 16:17

Tgt Ion:	57	Resp:	21832
Ion	Ratio	Lower	Upper
57	100		
41	141.8	67.0	100.4#
43	125.3	184.2	276.2#
56	93.2	42.6	64.0#



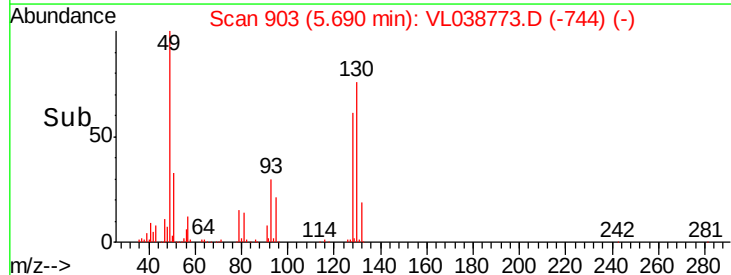
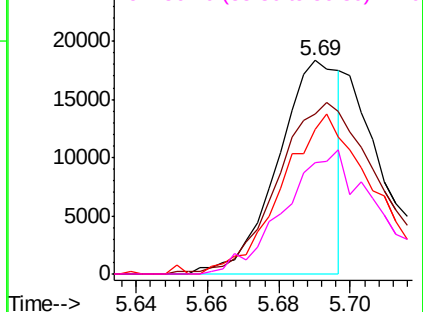
Abundance

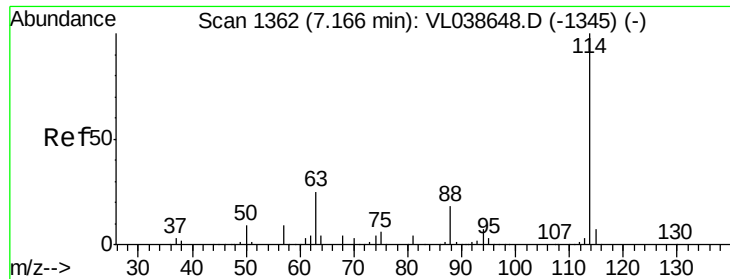
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

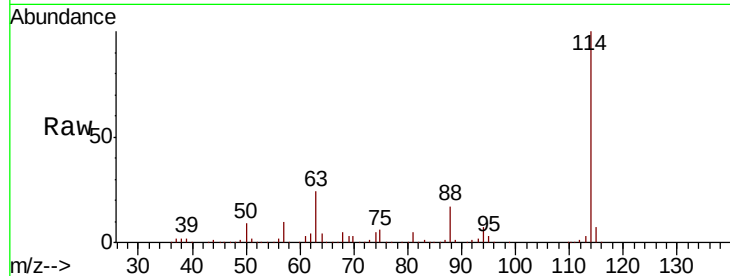
Ion 56.10 (55.80 to 56.80): VL0



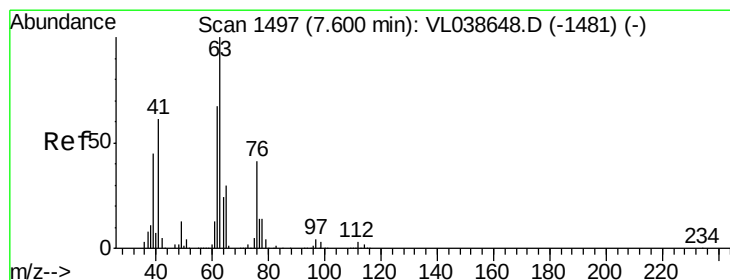
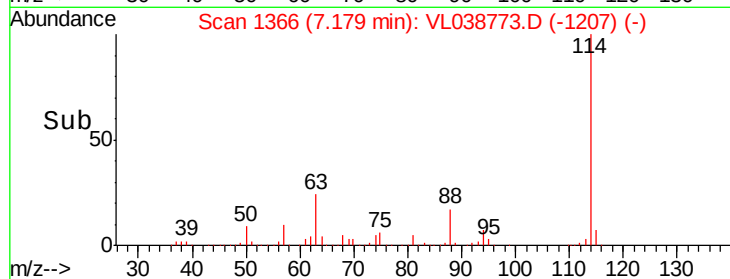
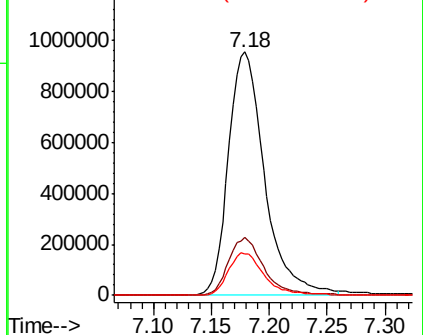


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 V-3
 Acq: 28 Mar 2022 16:17

Tot Ion:114 Resp: 2079004
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.4 29.0
 88 17.5 13.9 20.9

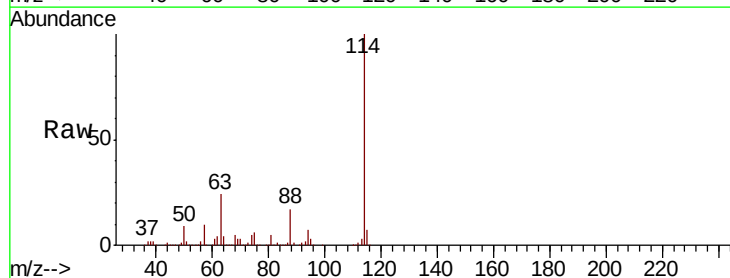


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

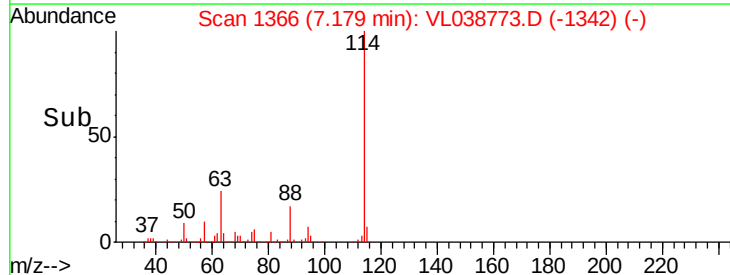
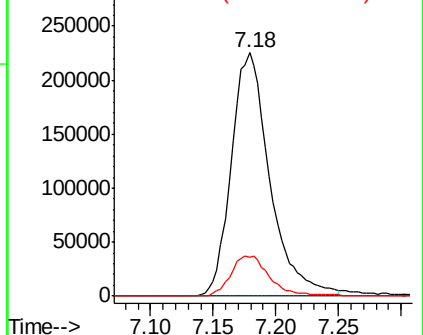


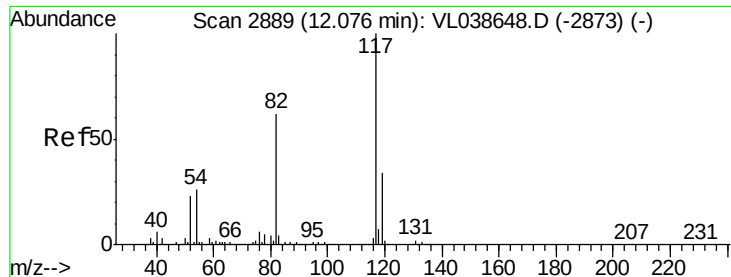
#39
 1,2-Dichloropropane
 Concen: 7.693 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.42 min
 Lab File: VL038773.D
 Acq: 28 Mar 2022 16:17

Tgt Ion: 63 Resp: 482533
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.0 73.6#
 62 16.2 53.9 80.9#



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

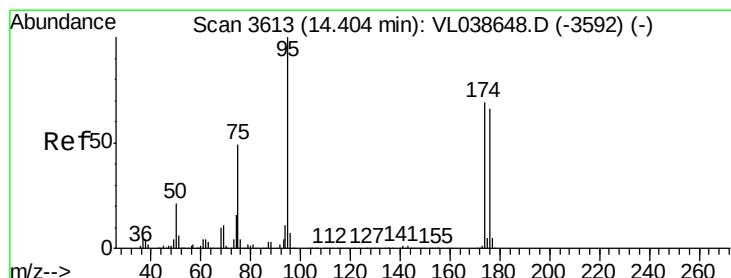
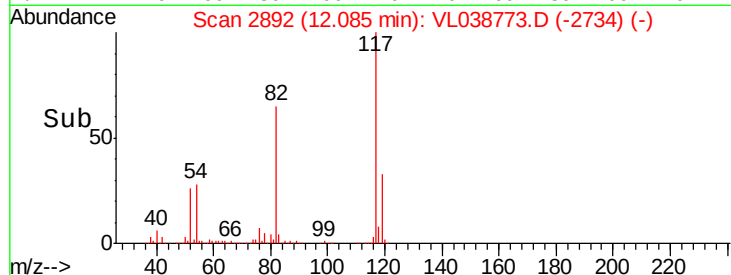
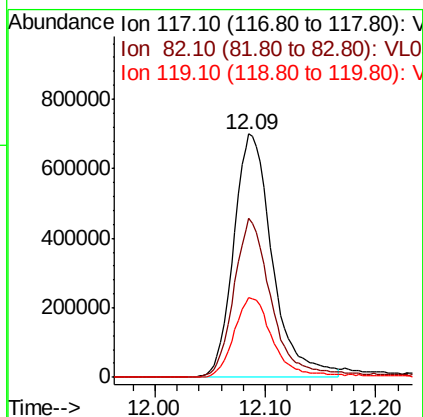
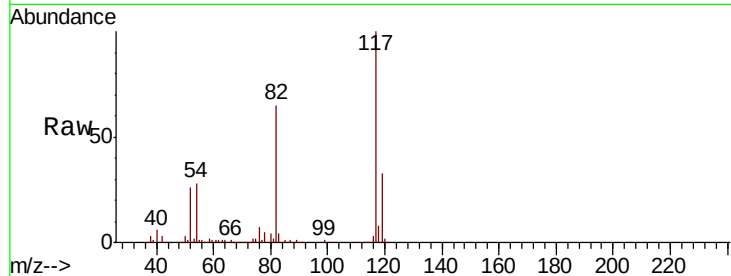




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 V-3
 Acq: 28 Mar 2022 16:17

Tot Ion: 117 Resp: 1703302

Ion	Ratio	Lower	Upper
117	100		
82	66.6	51.6	77.4
119	34.9	26.9	40.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.586 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T.: 0.01 min
 Lab File: VL038773.D
 Acq: 28 Mar 2022 16:17

Tgt Ion: 95 Resp: 1251818

Ion	Ratio	Lower	Upper
95	100		
174	75.2	56.1	84.1
175	4.9	4.2	6.2

