

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
 Data File : VL038674.D
 Acq On : 22 Mar 2022 6:33
 Operator : SY/AP
 Sample : N1964-15DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P85DL

Quant Time: Mar 22 07:15:41 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	938241	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2330383	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1995304	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1504291	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

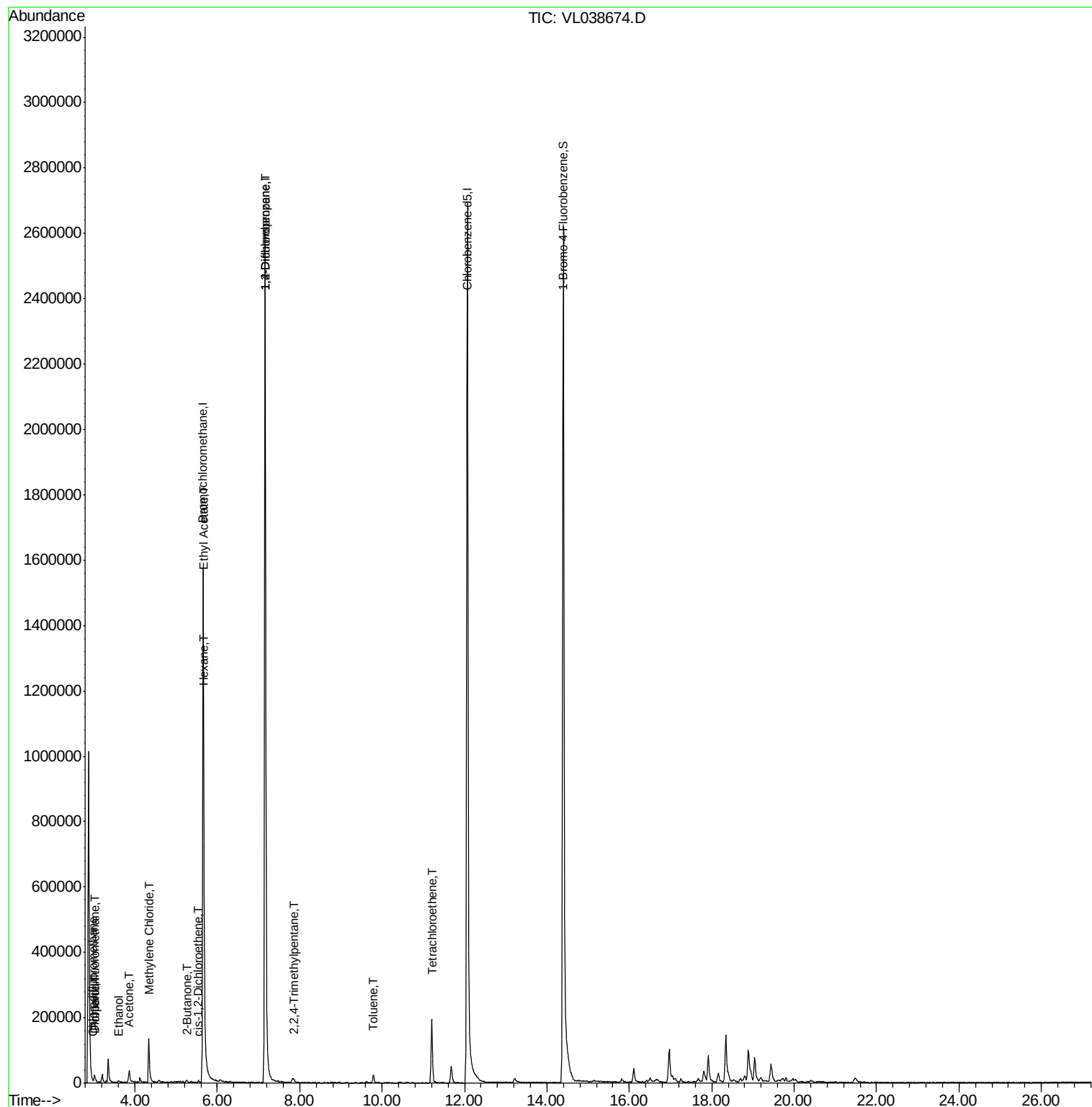
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	6361	0.05	ppbv	100
3) Chlorodifluoromethane	2.98	51	3679	0.04	ppbv	93
9) Propene	3.01	41	4373	0.09	ppbv #	15
13) Ethanol	3.60	45	1703	0.32	ppbv #	37
15) Acetone	3.85	43	17345	0.21	ppbv #	72
20) Methylene Chloride	4.34	84	59499	1.74	ppbv	94
25) Ethyl Acetate	5.67	43	8693	0.04	ppbv #	74
26) Hexane	5.68	57	26319	0.29	ppbv #	38
31) cis-1,2-Dichloroethene	5.53	61	3469	0.04	ppbv #	65
34) 2-Butanone	5.25	43	7443	0.08	ppbv #	72
39) 1,2-Dichloropropane	7.16	63	546934	7.78	ppbv #	28
44) 2,2,4-Trimethylpentane	7.85	57	6333	0.02	ppbv #	41
52) Tetrachloroethene	11.21	164	54463	0.83	ppbv	95
53) Toluene	9.79	91	11330	0.06	ppbv #	59

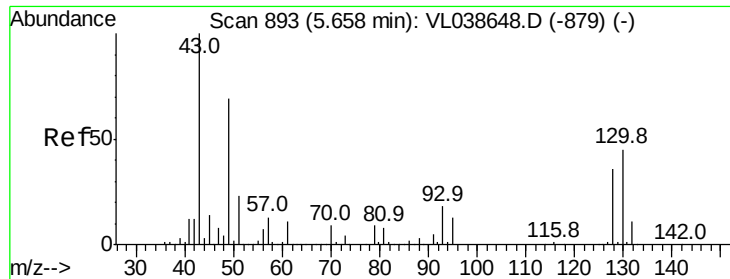
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
C0P85DL

Quant Time: Mar 22 07:15:41 2022
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: C0P85DL

Acq: 22 Mar 2022 6:33

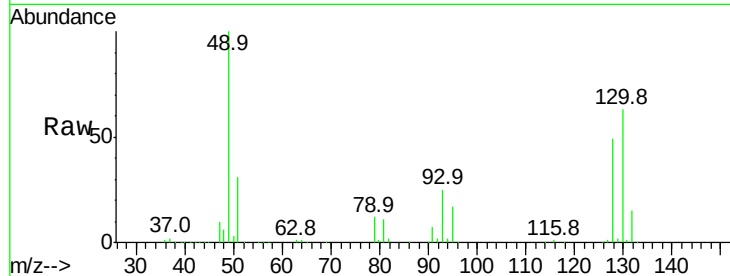
Tgt Ion: 49 Resp: 938241

Ion Ratio Lower Upper

49 100

128 52.0 26.2 78.6

130 67.1 33.7 101.1



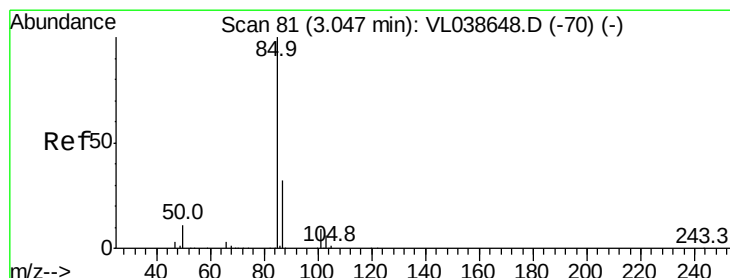
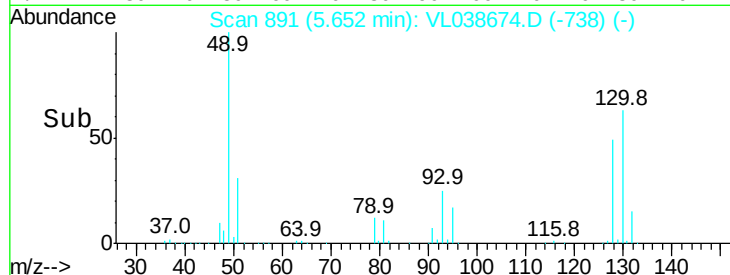
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 0.05 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL038674.D

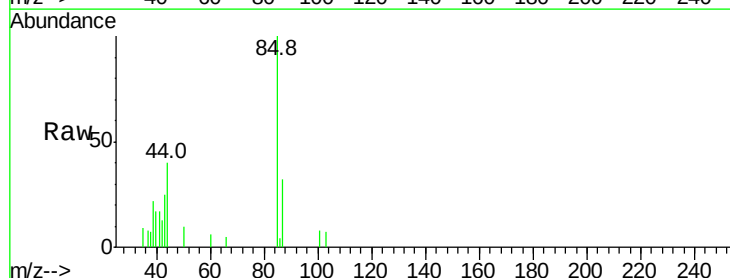
Acq: 22 Mar 2022 6:33

Tgt Ion: 85 Resp: 6361

Ion Ratio Lower Upper

85 100

87 32.3 26.0 39.0

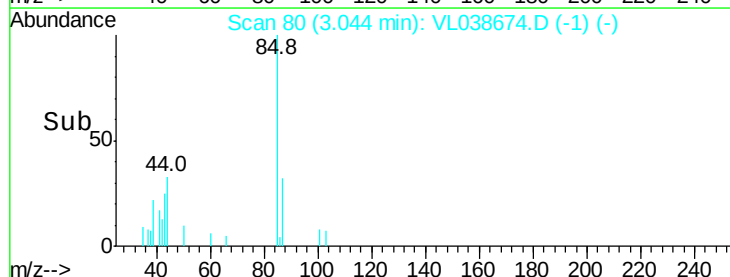


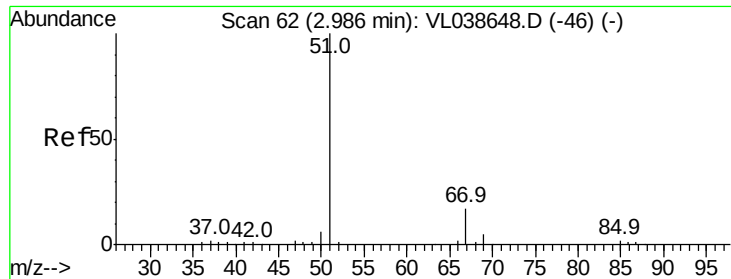
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





#3

Chlorodifluoromethane

Concen: 0.04 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

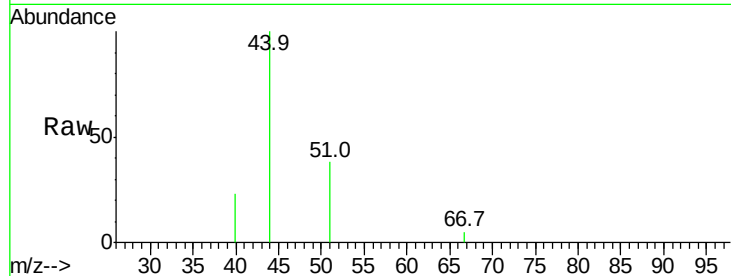
Acq: 22 Mar 2022 0:33

Tgt Ion: 51 Resp: 3679

Ion Ratio Lower Upper

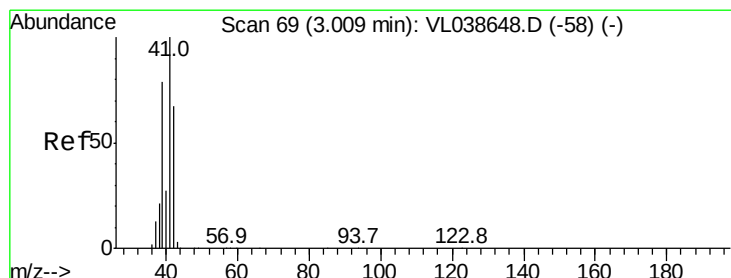
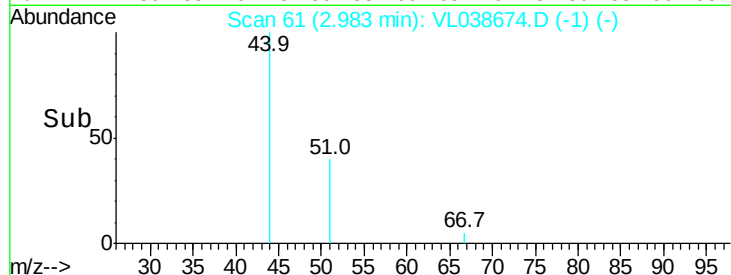
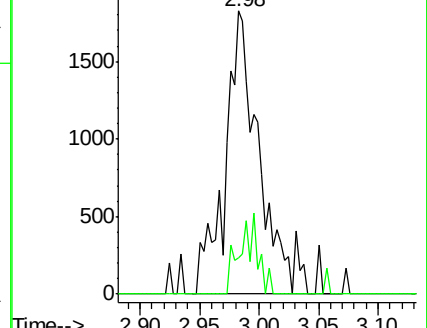
51 100

67 14.7 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.09 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL038674.D

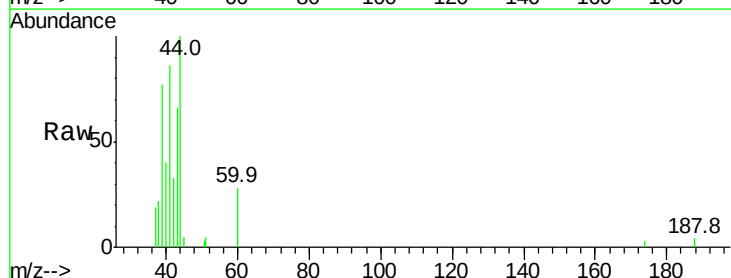
Acq: 22 Mar 2022 6:33

Tgt Ion: 41 Resp: 4373

Ion Ratio Lower Upper

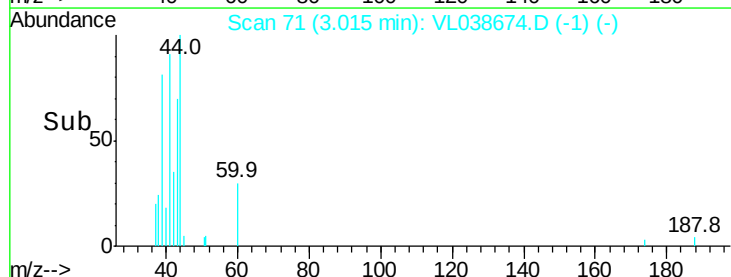
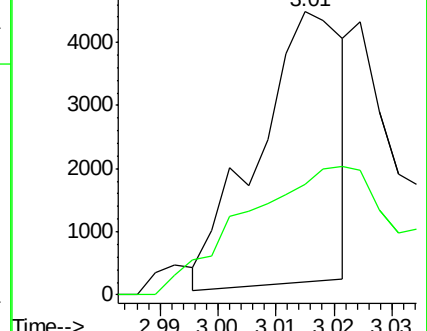
41 100

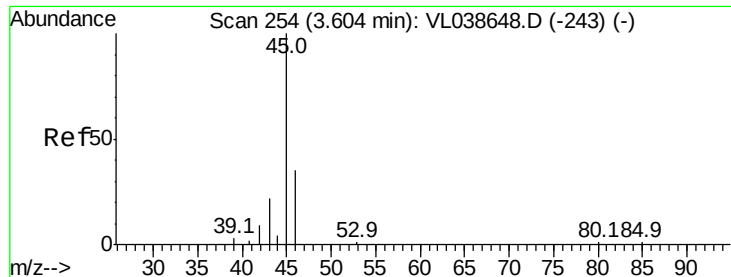
42 0.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

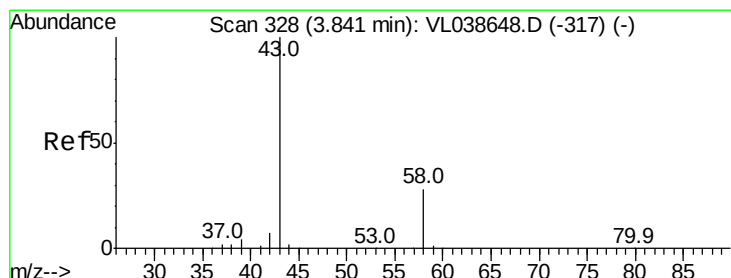
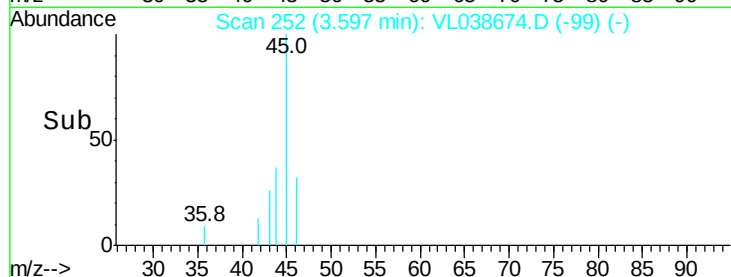
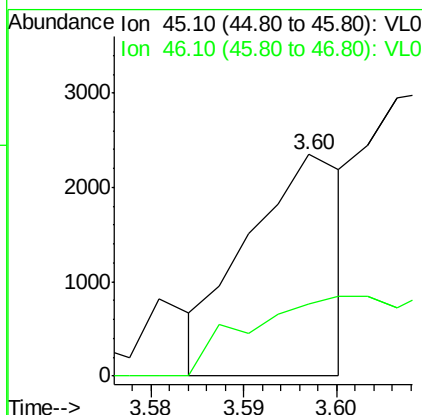
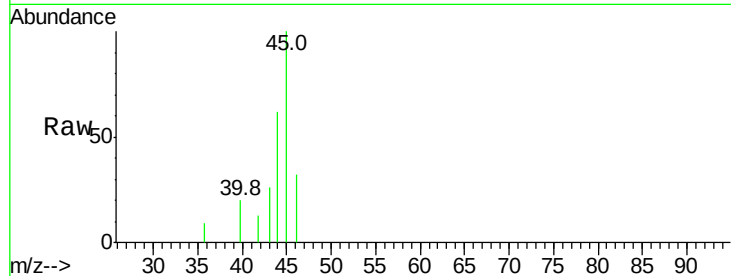
Ion 42.10 (41.80 to 42.80): VL0





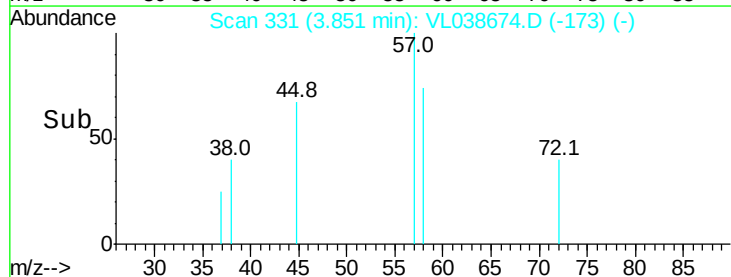
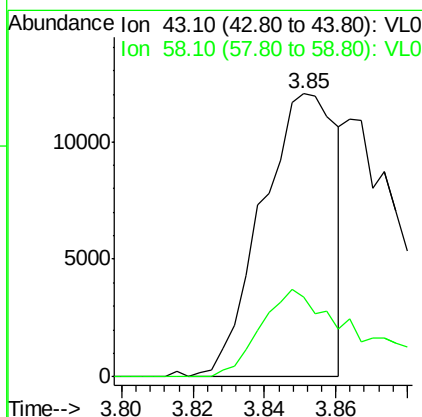
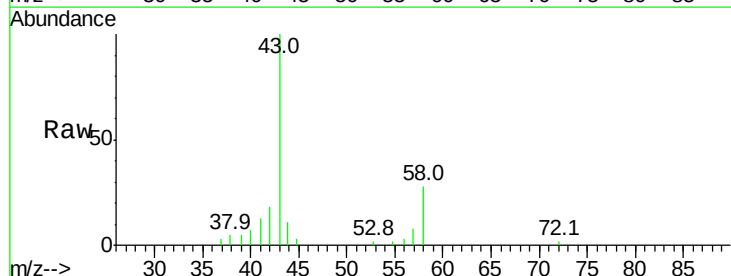
#13
Ethanol
Concen: 0.32 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 0:33

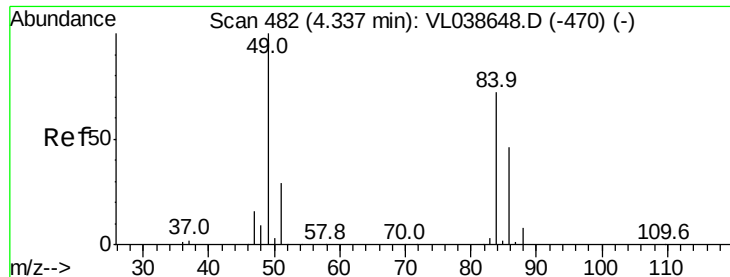
Tgt Ion: 45 Resp: 1703
Ion Ratio Lower Upper
45 100
46 0.0 15.1 60.5#



#15
Acetone
Concen: 0.21 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL038674.D
Acq: 22 Mar 2022 6:33

Tgt Ion: 43 Resp: 17345
Ion Ratio Lower Upper
43 100
58 44.2 23.3 34.9#

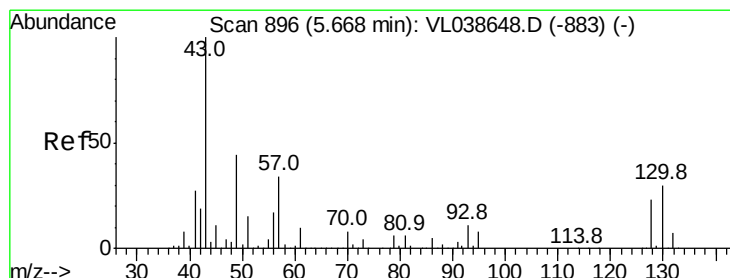
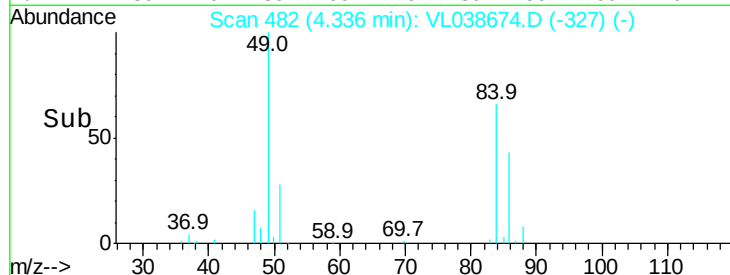
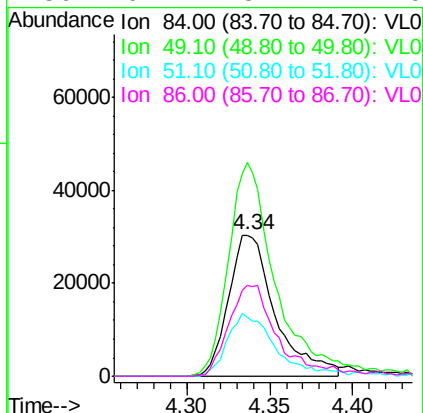
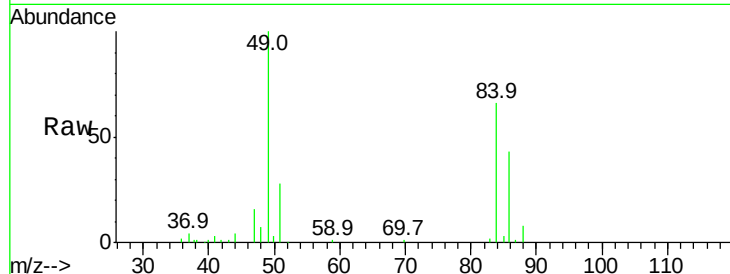




#20
Methylene Chloride
Concen: 1.74 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 0:33

Tgt Ion: 84 Resp: 59499

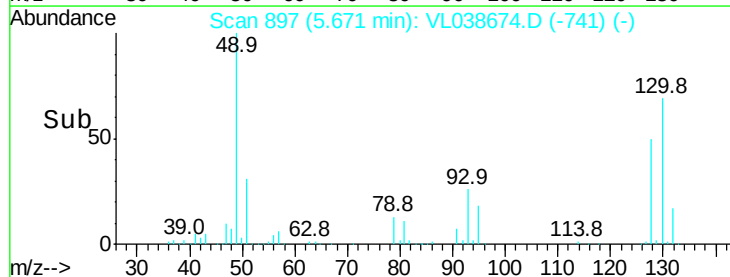
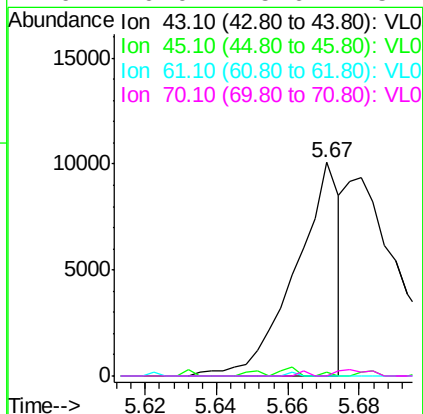
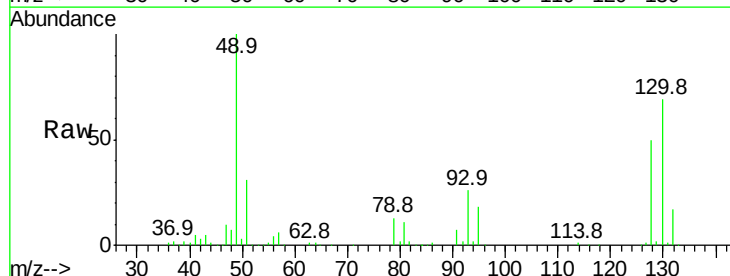
Ion	Ratio	Lower	Upper
84	100		
49	151.5	111.2	166.8
51	42.1	32.8	49.2
86	64.4	51.4	77.0

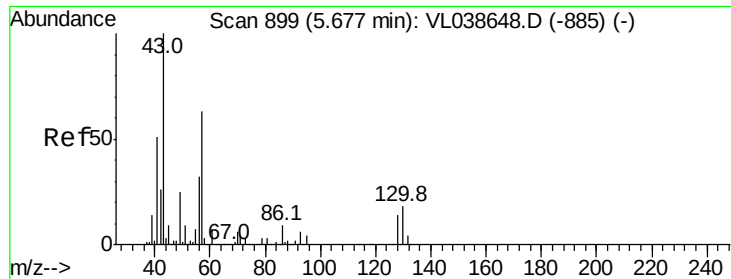


#25
Ethyl Acetate
Concen: 0.04 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL038674.D
Acq: 22 Mar 2022 6:33

Tgt Ion: 43 Resp: 8693

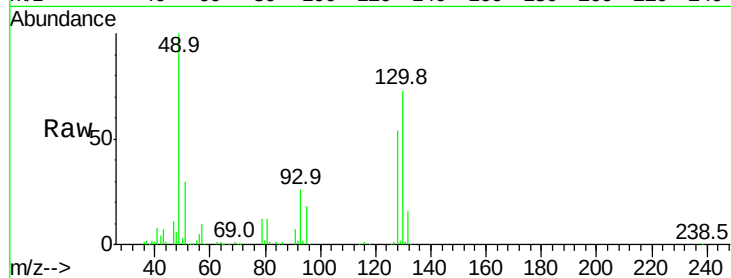
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.0	8.3	12.5#
70	0.0	5.6	8.4#



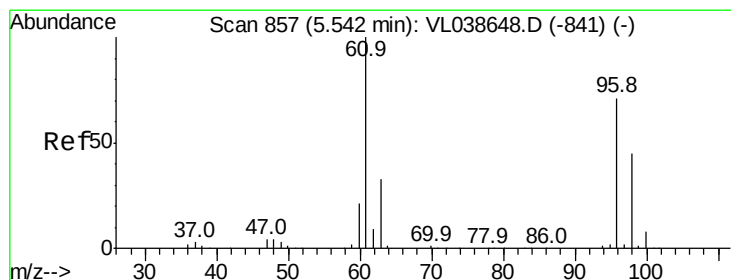
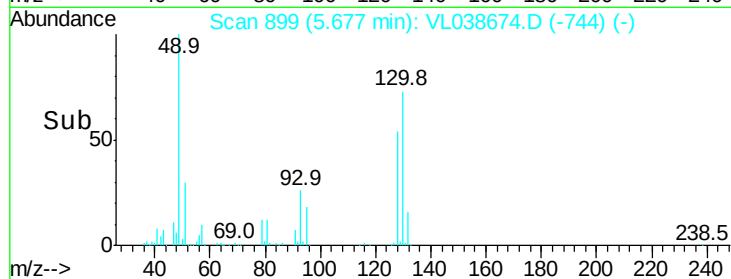
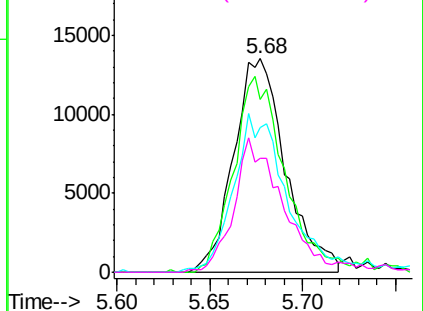


#26
Hexane
Concen: 0.29 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 0:33

Tgt Ion:	57	Resp:	26319
Ion	Ratio	Lower	Upper
57	100		
41	94.6	67.0	100.4
43	78.6	184.2	276.2#
56	61.2	42.6	64.0

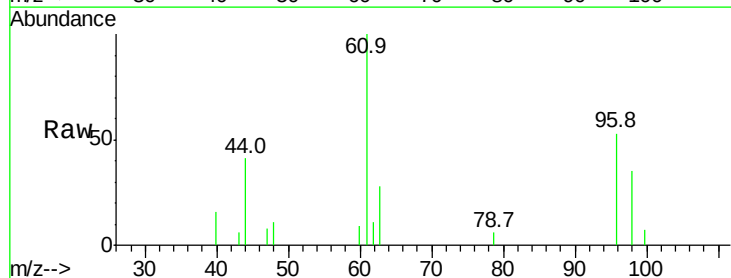


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

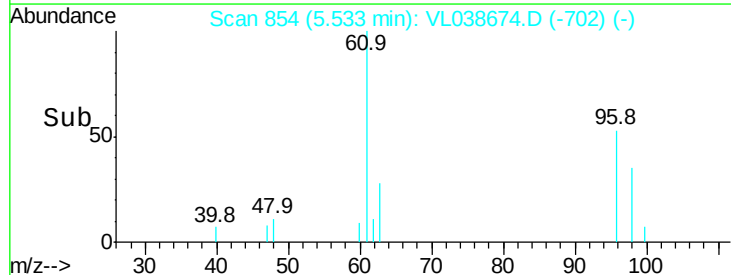
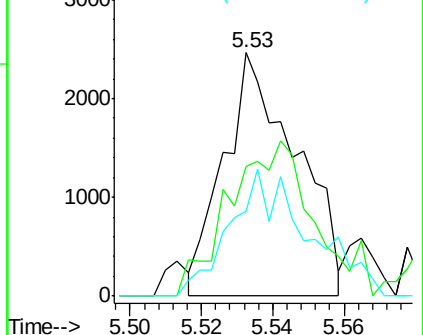


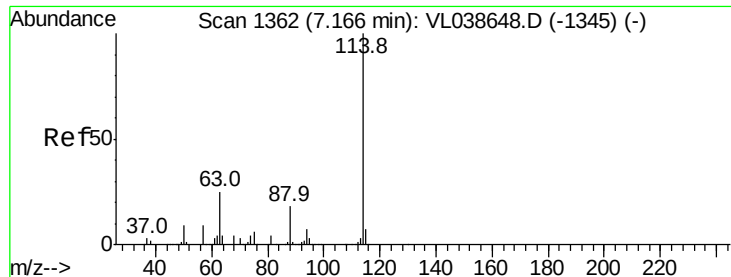
#31
cis-1,2-Dichloroethene
Concen: 0.04 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.01 min
Lab File: VL038674.D
Acq: 22 Mar 2022 6:33

Tgt Ion:	61	Resp:	3469
Ion	Ratio	Lower	Upper
61	100		
96	38.1	56.6	84.8#
98	27.8	36.3	54.5#



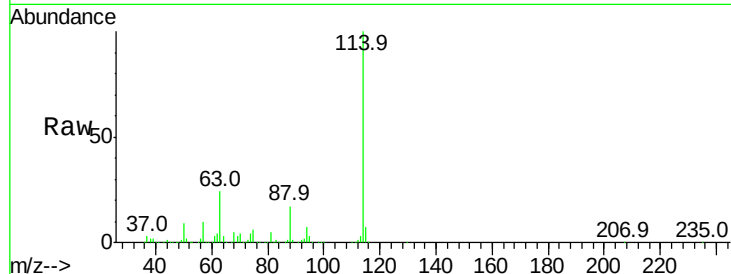
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



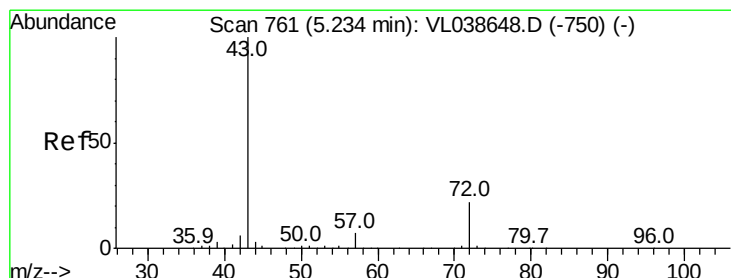
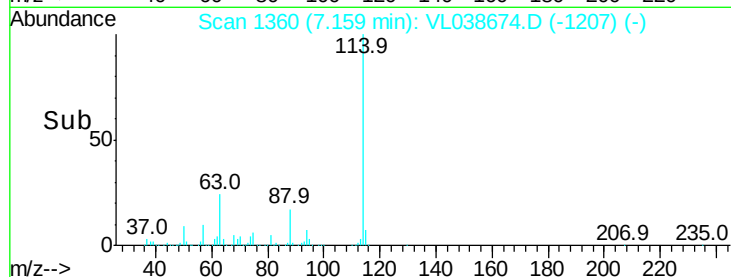
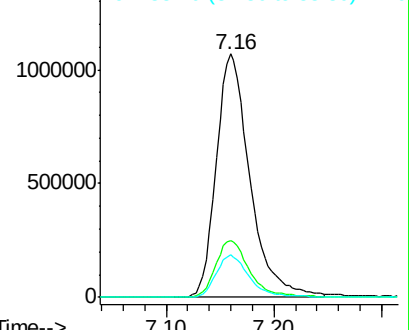


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 C0P85DL
 Acq: 22 Mar 2022 0:33

Tgt Ion: 114 Resp: 2330383
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.4 29.0
 88 17.5 13.9 20.9

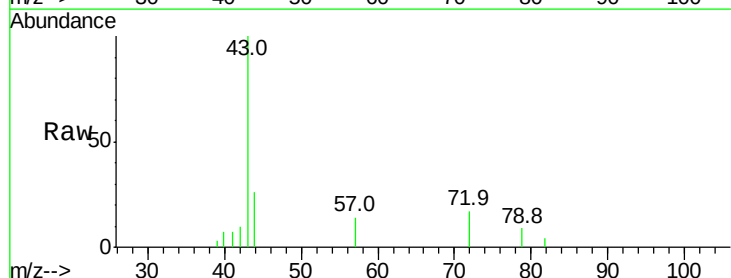


Abundance Ion 114.10 (113.80 to 114.80): V

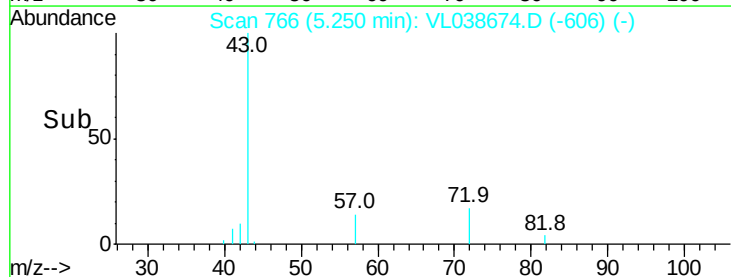
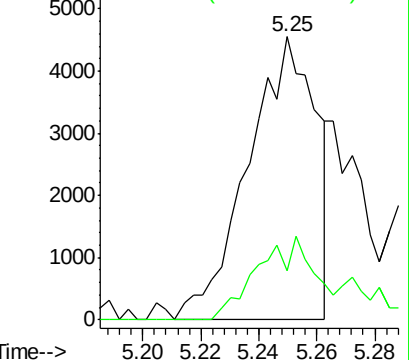


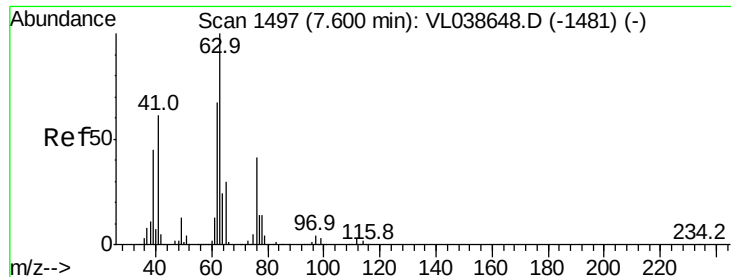
#34
 2-Butanone
 Concen: 0.08 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL038674.D
 Acq: 22 Mar 2022 6:33

Tgt Ion: 43 Resp: 7443
 Ion Ratio Lower Upper
 43 100
 72 35.8 17.8 26.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0





#39

1,2-Dichloropropane

Concen: 7.78 ppbv

RT: 7.16

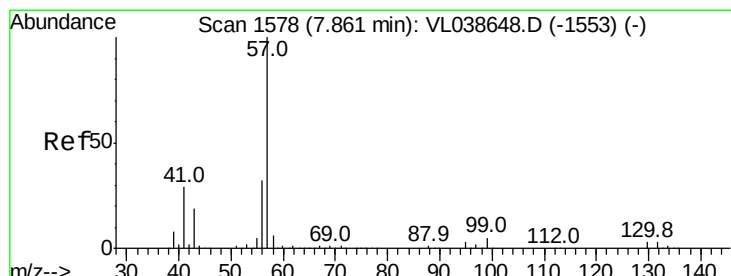
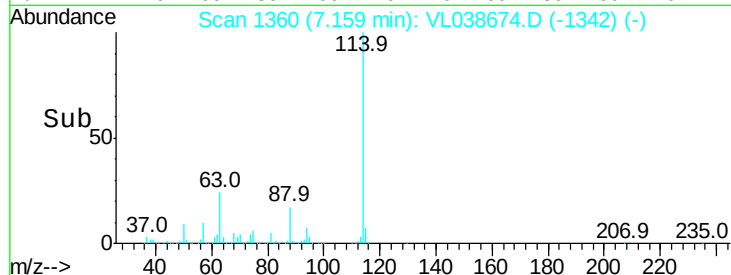
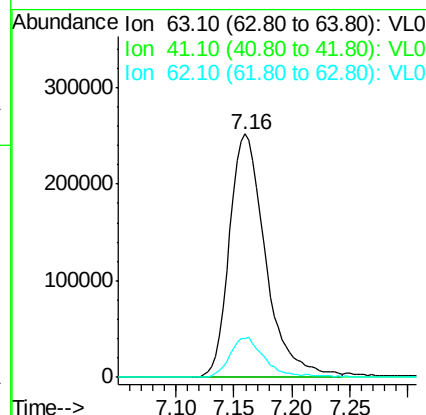
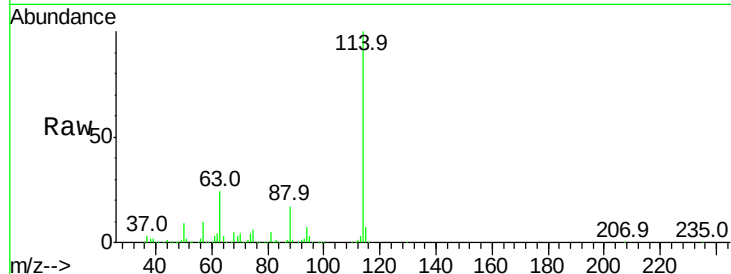
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Mar 2022 0:33

Tgt Ion: 63 Resp: 546934

Ion	Ratio	Lower	Upper
63	100		
41	0.1	49.0	73.6#
62	15.9	53.9	80.9#



#44

2,2,4-Trimethylpentane

Concen: 0.02 ppbv

RT: 7.85 min Scan# 1576

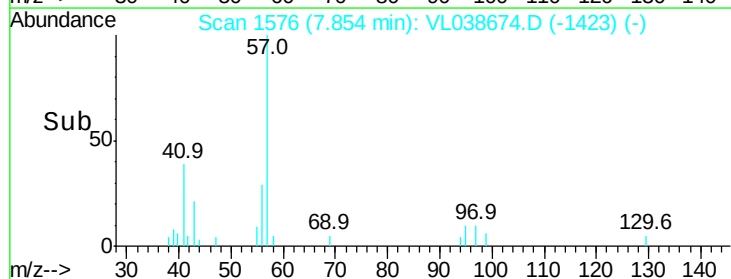
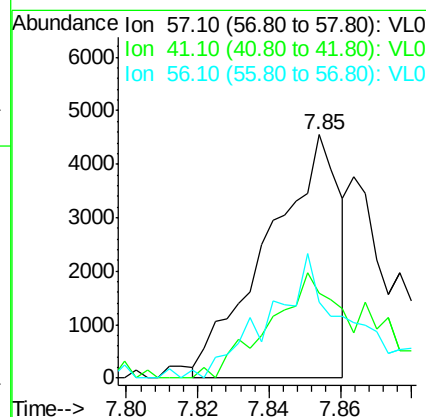
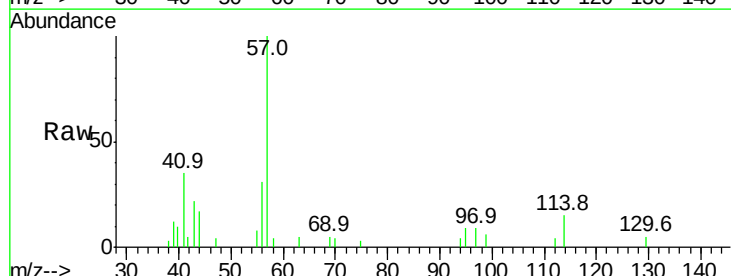
Delta R.T. -0.01 min

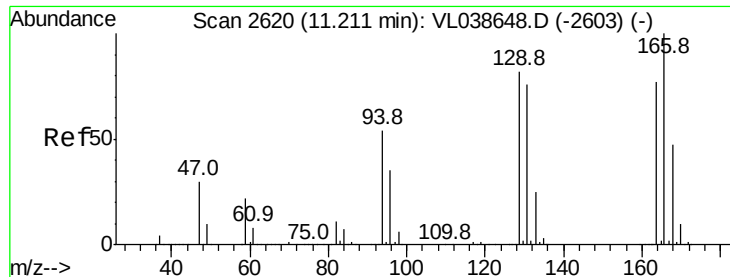
Lab File: VL038674.D

Acq: 22 Mar 2022 6:33

Tgt Ion: 57 Resp: 6333

Ion	Ratio	Lower	Upper
57	100		
41	62.3	23.0	34.4#
56	62.2	25.3	37.9#





#52

Tetrachloroethene

Concen: 0.83 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Mar 2022 0:33

Tgt Ion: 164 Resp: 54463

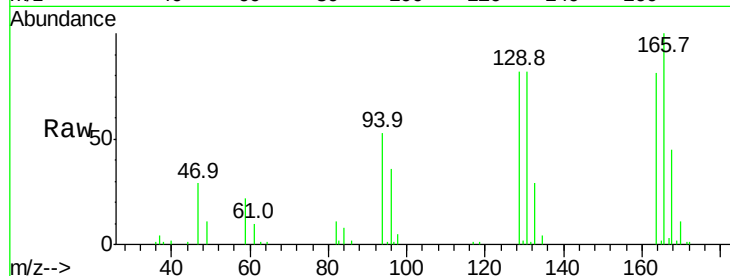
Ion Ratio Lower Upper

164 100

166 123.0 103.3 154.9

129 100.0 85.2 127.8

131 100.0 78.3 117.5

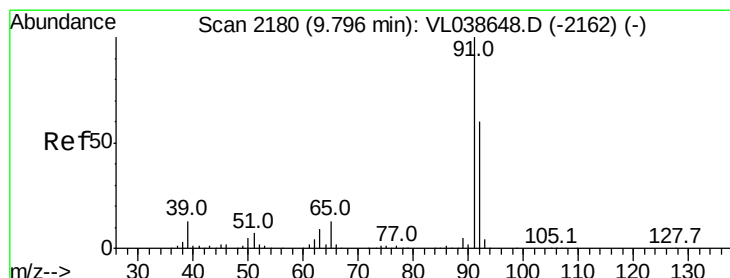
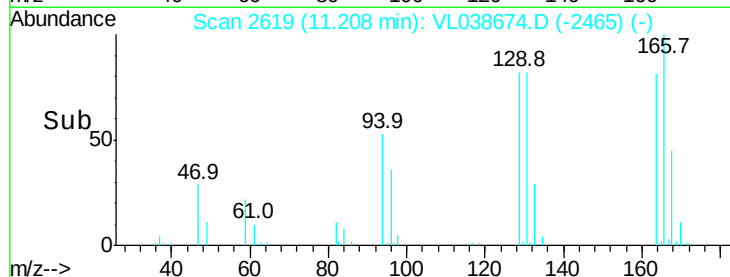
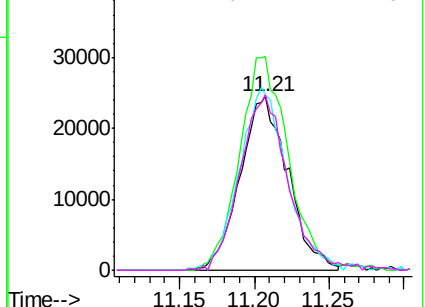


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.06 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL038674.D

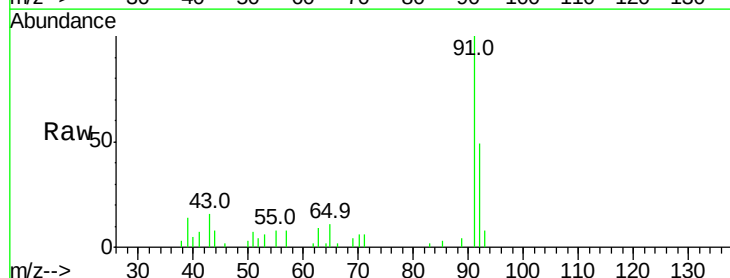
Acq: 22 Mar 2022 6:33

Tgt Ion: 91 Resp: 11330

Ion Ratio Lower Upper

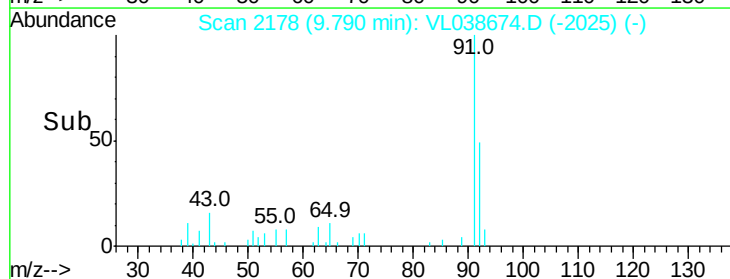
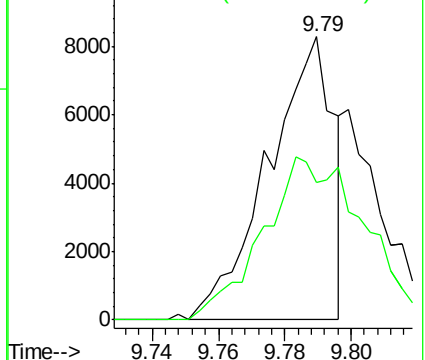
91 100

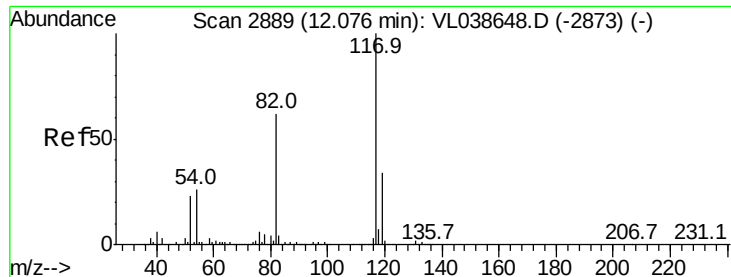
92 91.8 48.7 73.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

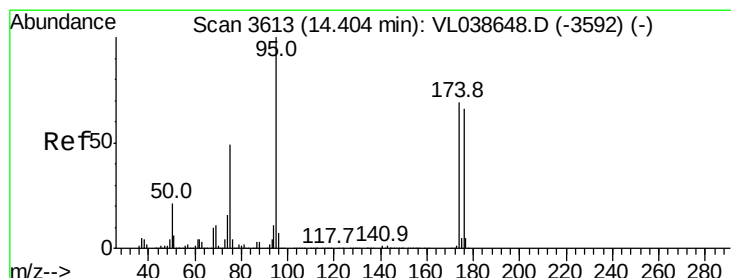
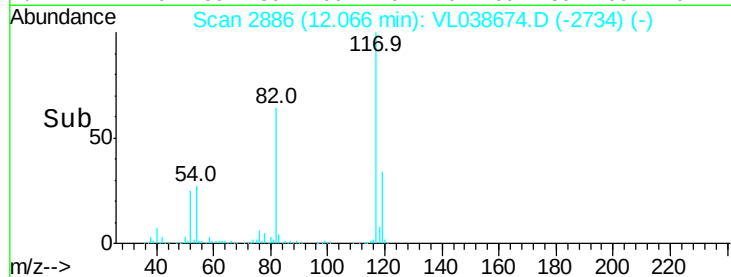
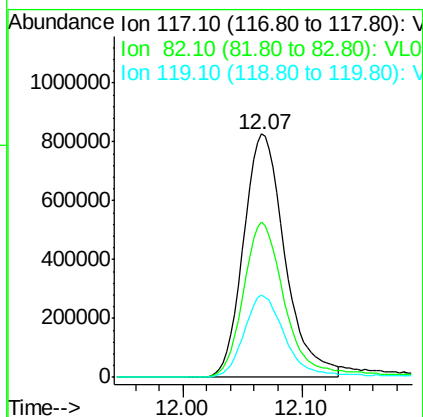
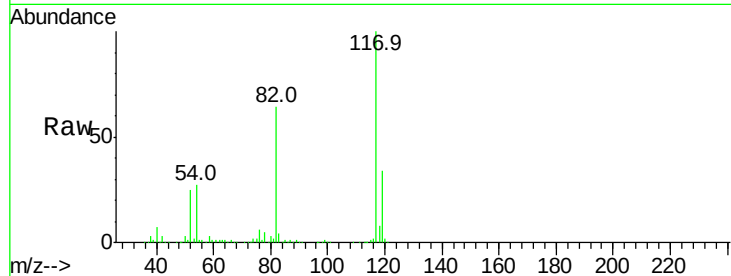
Ion 92.10 (91.80 to 92.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 C0P85DL
 Acq: 22 Mar 2022 6:33

Tgt Ion: 117 Resp: 1995304
 Ion Ratio Lower Upper
 117 100
 82 67.5 51.6 77.4
 119 35.3 26.9 40.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.83 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T.: -0.01 min
 Lab File: VL038674.D
 Acq: 22 Mar 2022 6:33

Tgt Ion: 95 Resp: 1504291
 Ion Ratio Lower Upper
 95 100
 174 72.2 56.1 84.1
 175 5.2 4.2 6.2

