

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032822\
 Data File : VL038785.D
 Acq On : 29 Mar 2022 00:18
 Operator : SY/AP
 Sample : N2121-01DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA3DL

Quant Time: Mar 29 06:13:06 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	5.66	49	770042	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2065748	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1818326	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1317119	9.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.50%

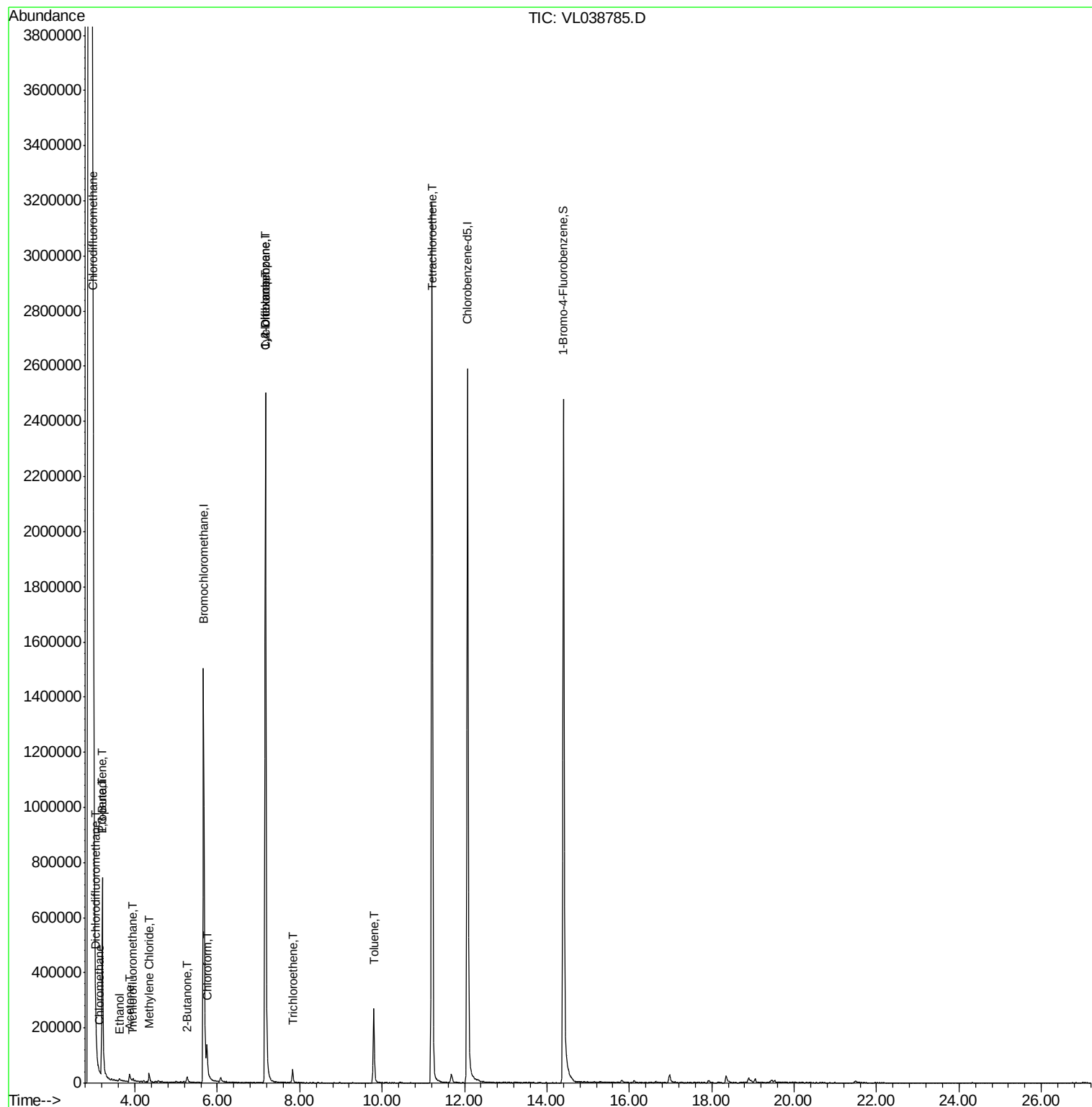
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	14836	0.143	ppbv	98
3) Chlorodifluoromethane	2.98	51	4617	0.057	ppbv #	86
4) Chloromethane	3.14	50	3079	0.069	ppbv #	82
9) Propene	3.20	41	272355	6.936	ppbv	95
11) Trichlorofluoromethane	3.95	101	7121	0.078	ppbv	93
13) Ethanol	3.63	45	4529	1.046	ppbv #	37
15) Acetone	3.87	43	34483	0.519	ppbv	91
16) 1,3-Butadiene	3.20	39	125916	3.339	ppbv #	7
20) Methylene Chloride	4.34	84	5182	0.185	ppbv #	94
29) Chloroform	5.75	83	67872	0.566	ppbv	98
30) Cyclohexane	7.16	84	3551	0.055	ppbv #	1
34) 2-Butanone	5.26	43	29294	0.358	ppbv	99
38) Trichloroethene	7.83	130	14469	0.217	ppbv #	86
39) 1,2-Dichloropropane	7.17	63	487631	7.824	ppbv #	28
52) Tetrachloroethene	11.21	164	826636	14.168	ppbv	98
53) Toluene	9.80	91	223873	1.307	ppbv	99

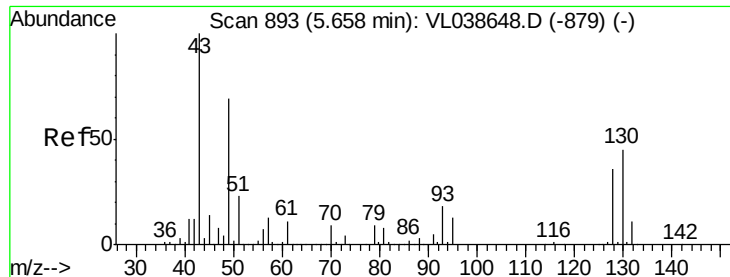
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032822\
Data File : VL038785.D
Acq On : 29 Mar 2022 00:18
Operator : SY/AP
Sample : N2121-01DL 4X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0PA3DL

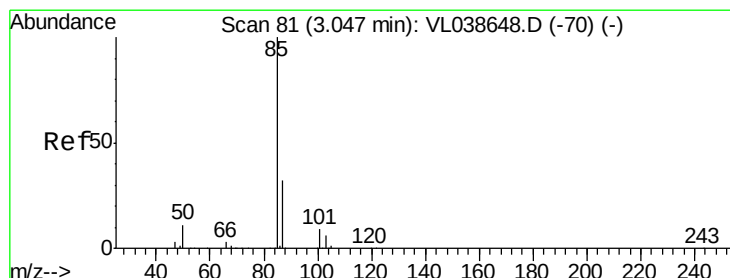
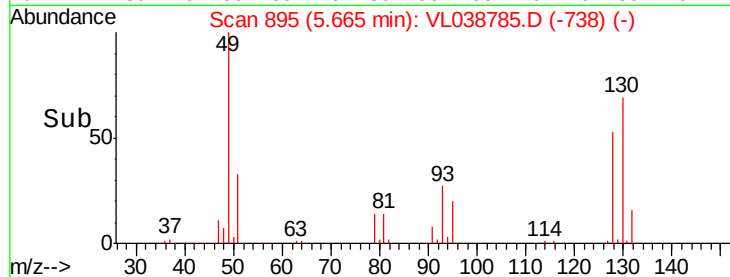
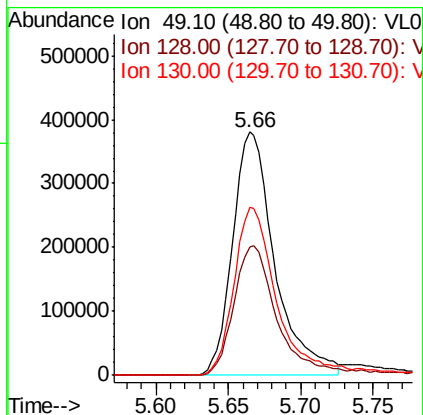
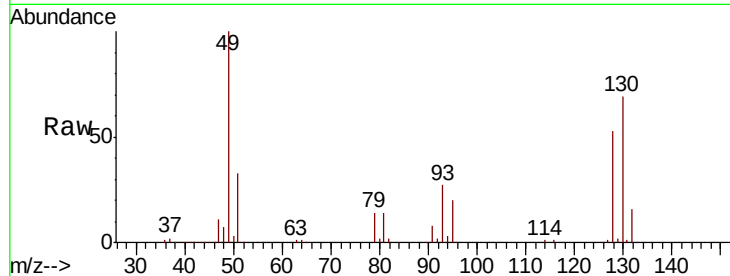
Quant Time: Mar 29 06:13:06 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





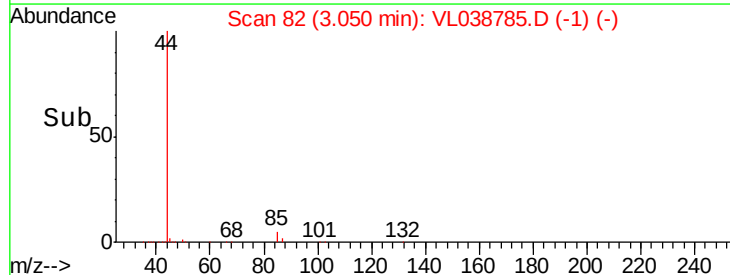
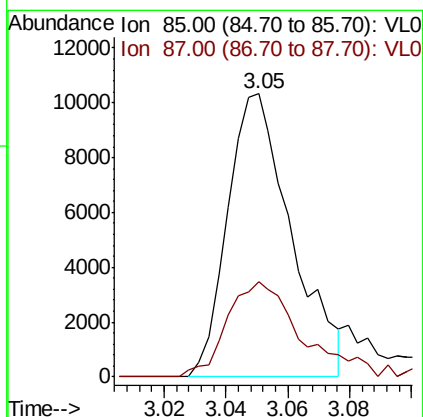
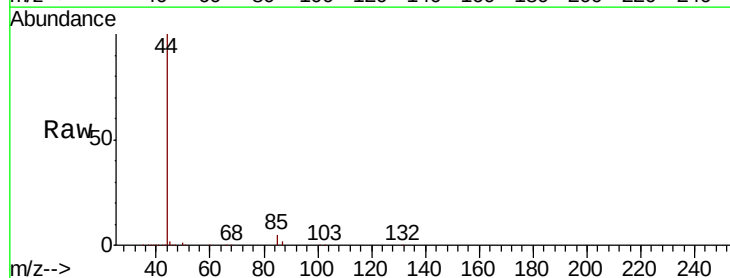
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 C0PA3DL
 Acq: 29 Mar 2022 00:18

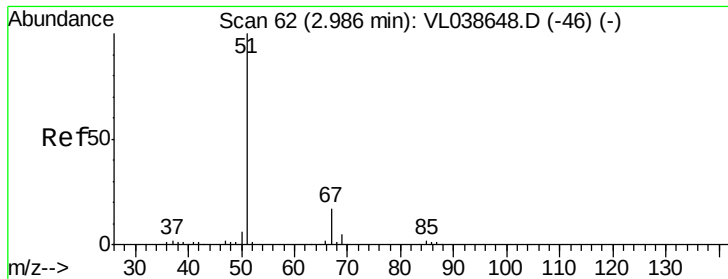
Tot Ion: 49 Resp: 770042
 Ion Ratio Lower Upper
 49 100
 128 56.8 26.2 78.6
 130 74.2 33.7 101.1



#2
 Dichlorodifluoromethane
 Concen: 0.143 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T.: 0.00 min
 Lab File: VL038785.D
 Acq: 29 Mar 2022 00:18

Tgt Ion: 85 Resp: 14836
 Ion Ratio Lower Upper
 85 100
 87 31.4 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.057 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: C0PA3DL

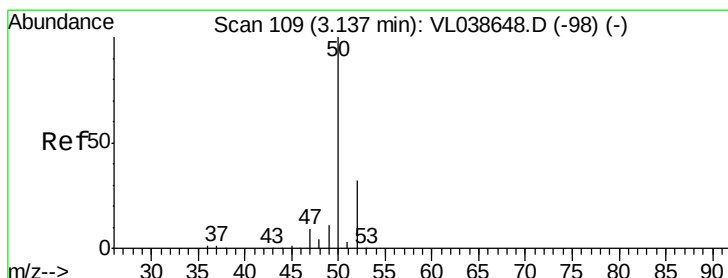
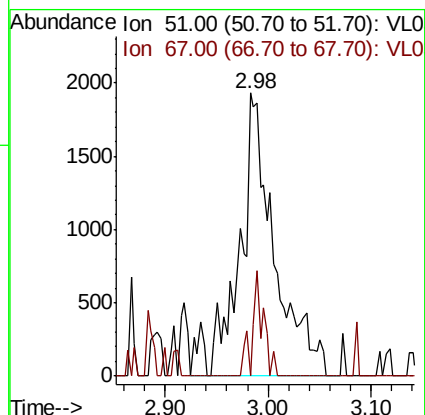
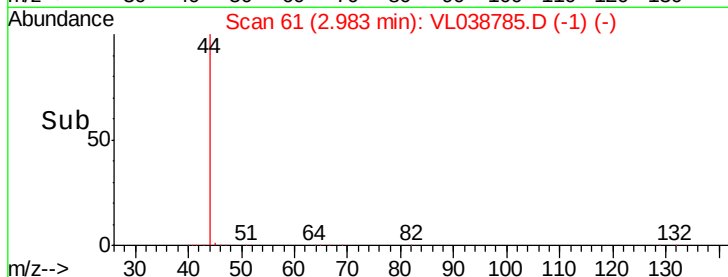
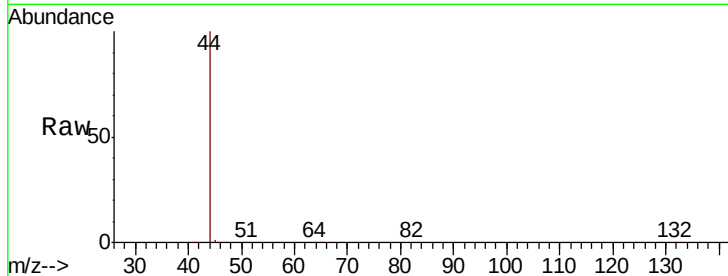
Acq: 29 Mar 2022 00:18

Tot Ion: 51 Resp: 4617

Ion Ratio Lower Upper

51 100

67 11.6 14.1 21.1#



#4

Chloromethane

Concen: 0.069 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL038785.D

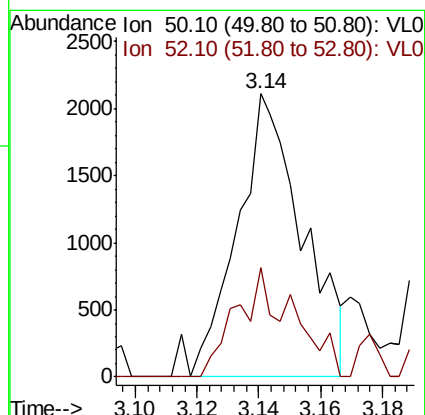
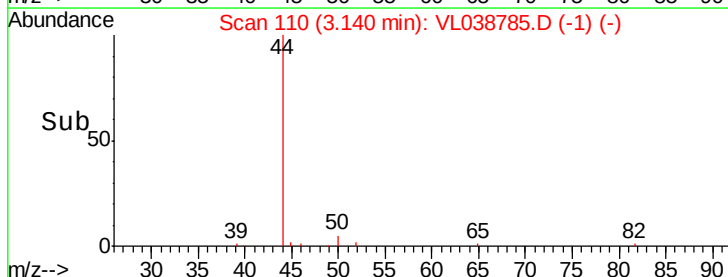
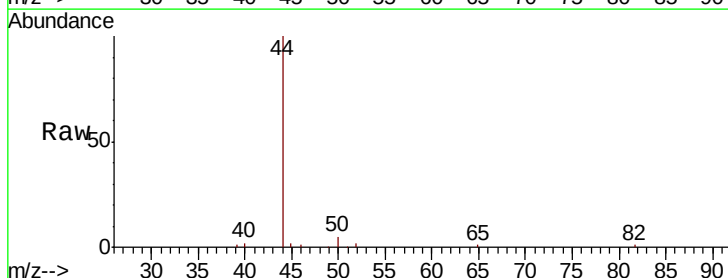
Acq: 29 Mar 2022 00:18

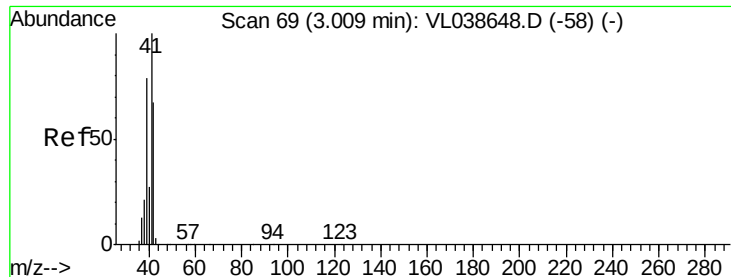
Tgt Ion: 50 Resp: 3079

Ion Ratio Lower Upper

50 100

52 42.2 25.5 38.3#





#9

Propene

Concen: 6.936 ppbv

RT: 3.20 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

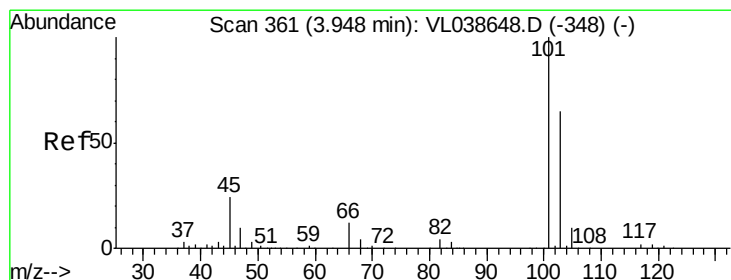
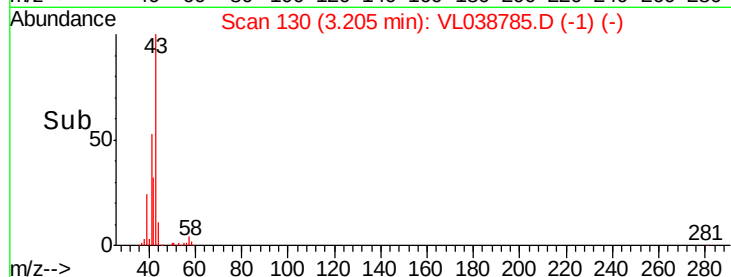
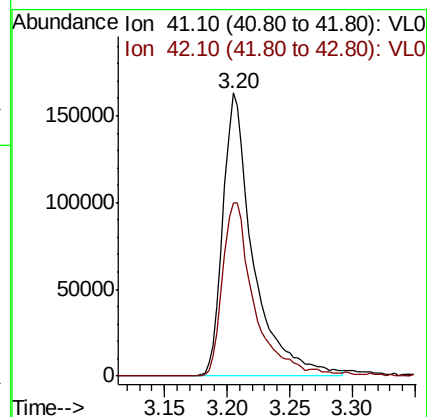
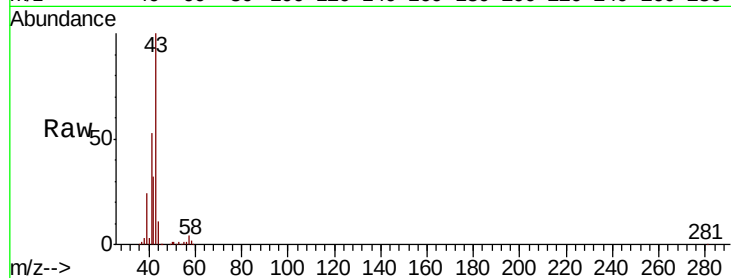
Acq: 29 Mar 2022 00:18

Tot Ion: 41 Resp: 272355

Ion Ratio Lower Upper

41 100

42 66.1 56.2 84.4



#11

Trichlorofluoromethane

Concen: 0.078 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL038785.D

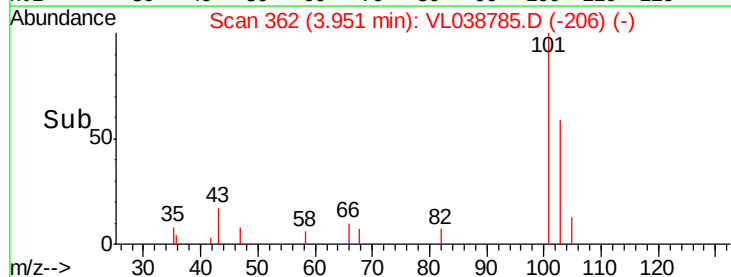
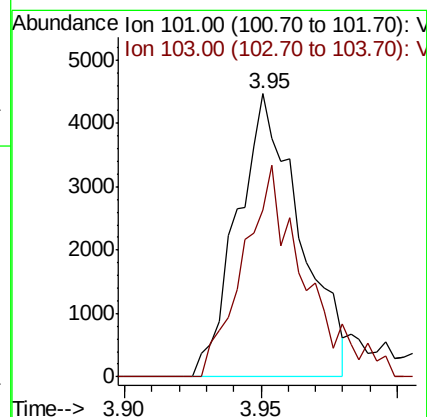
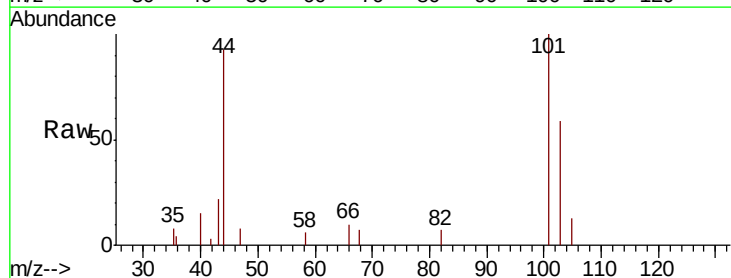
Acq: 29 Mar 2022 00:18

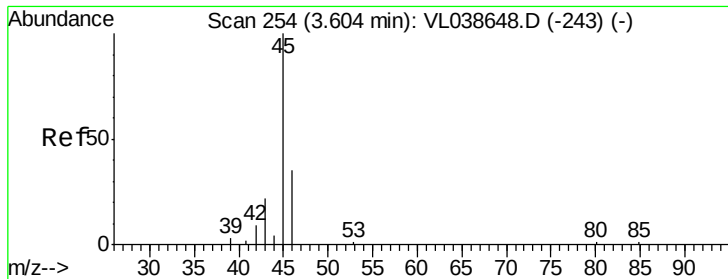
Tgt Ion: 101 Resp: 7121

Ion Ratio Lower Upper

101 100

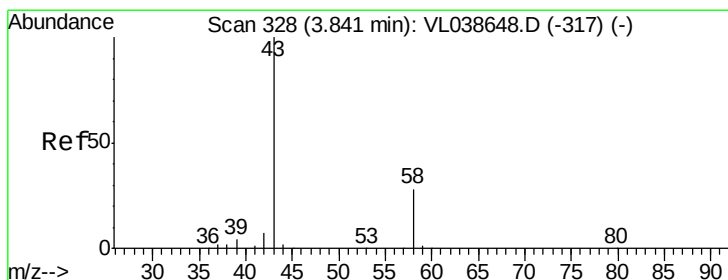
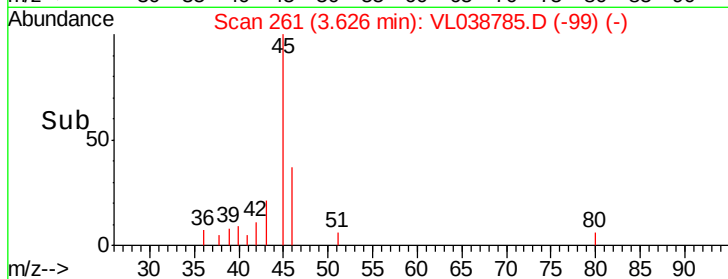
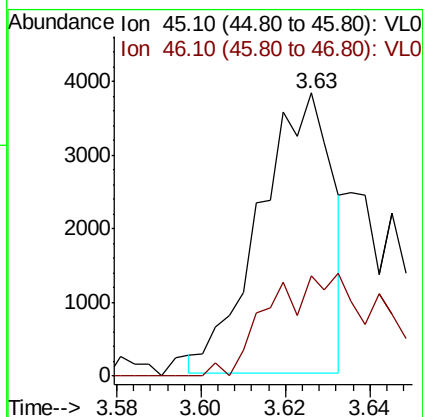
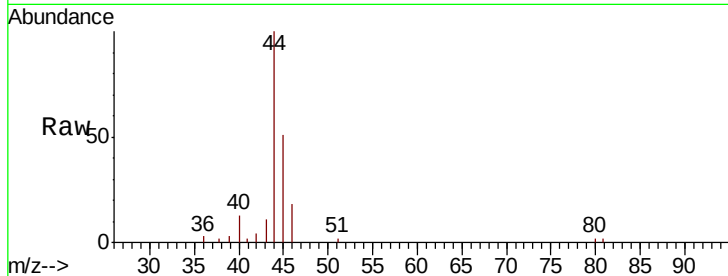
103 59.0 51.9 77.9





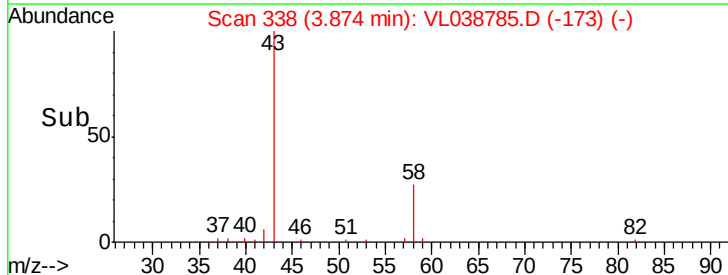
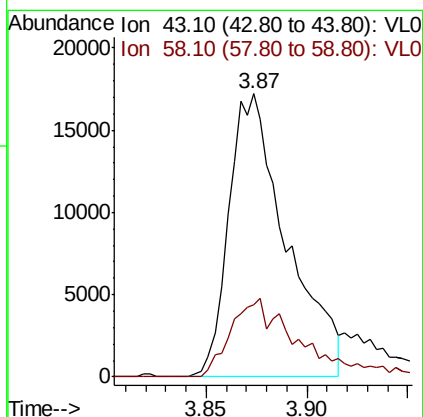
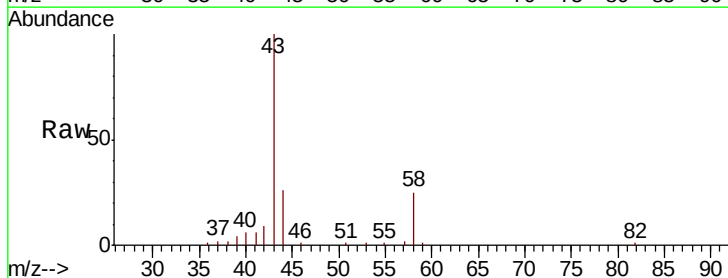
#13
Ethanol
Concen: 1.046 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COPA3DL
Acq: 29 Mar 2022 00:18

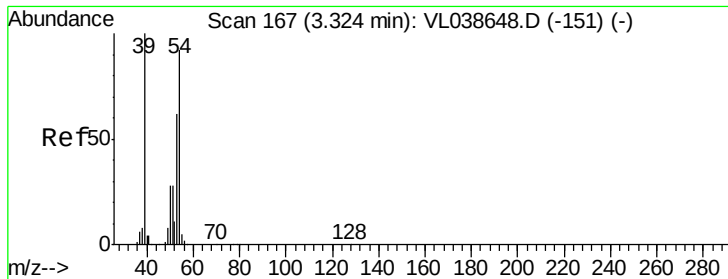
Tot Ion: 45 Resp: 4529
Ion Ratio Lower Upper
45 100
46 0.0 15.1 60.5#



#15
Acetone
Concen: 0.519 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.03 min
Lab File: VL038785.D
Acq: 29 Mar 2022 00:18

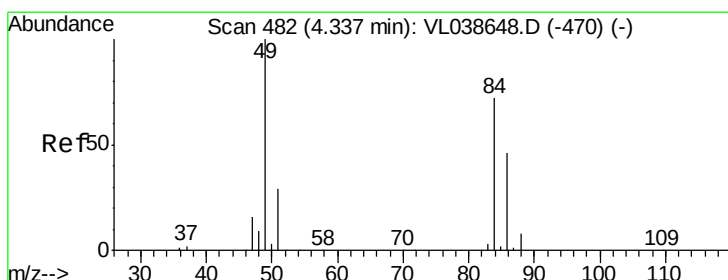
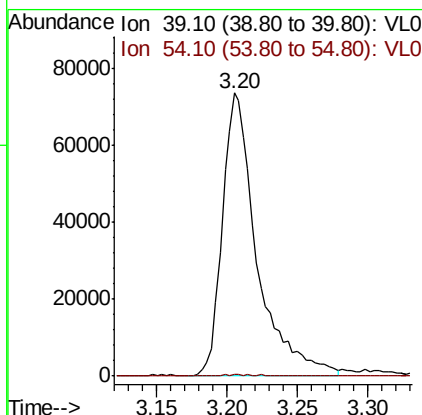
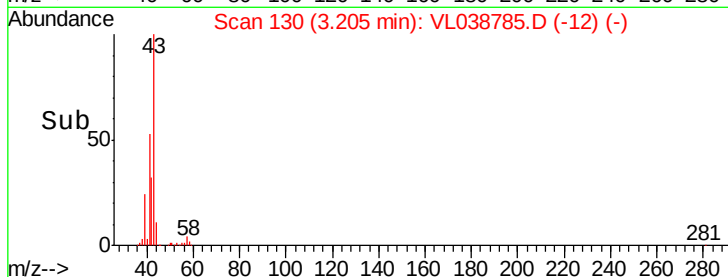
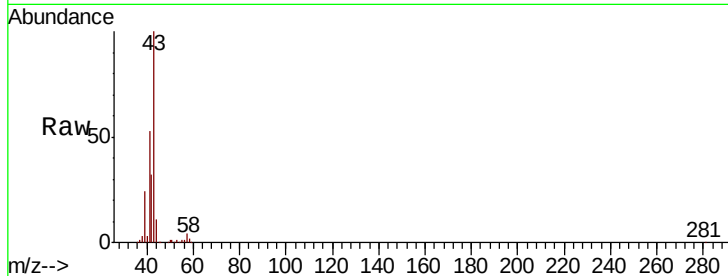
Tgt Ion: 43 Resp: 34483
Ion Ratio Lower Upper
43 100
58 33.9 23.3 34.9





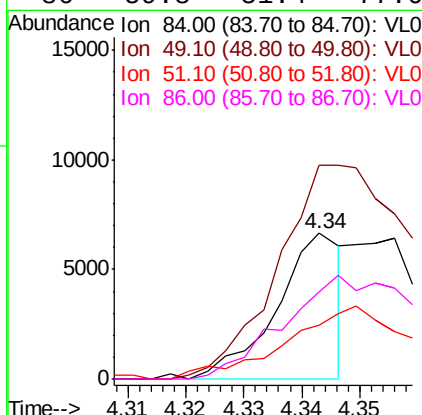
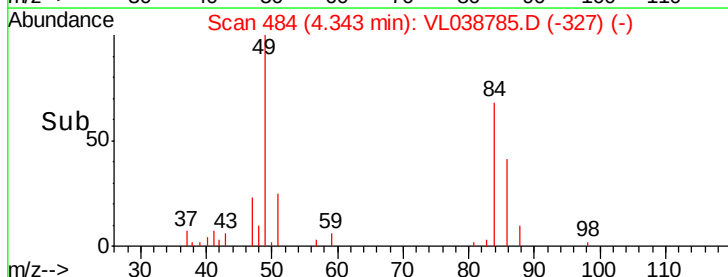
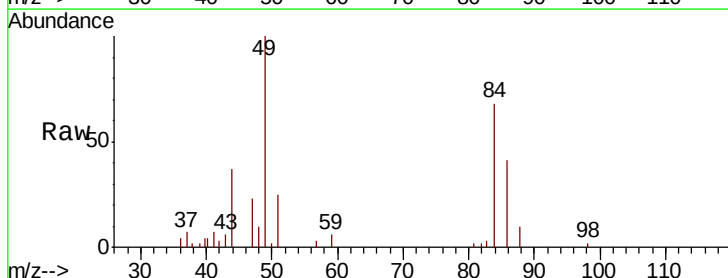
#16
1,3-Butadiene
Concen: 3.339 ppbv
RT: 3.20
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Mar 2022 00:18

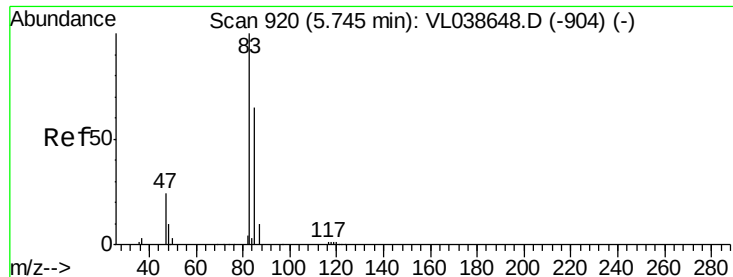
Tot Ion: 39 Resp: 125916
Ion Ratio Lower Upper
39 100
54 0.6 69.1 103.7#



#20
Methylene Chloride
Concen: 0.185 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL038785.D
Acq: 29 Mar 2022 00:18

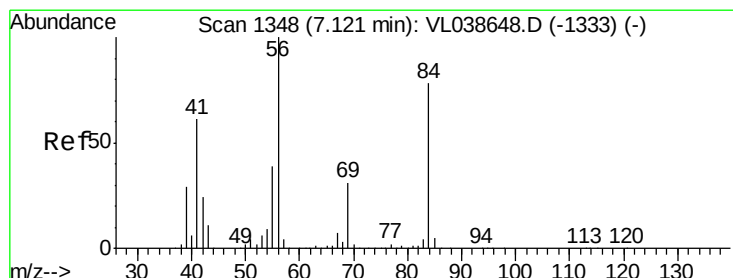
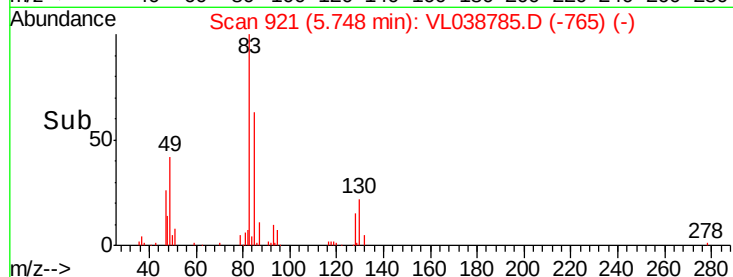
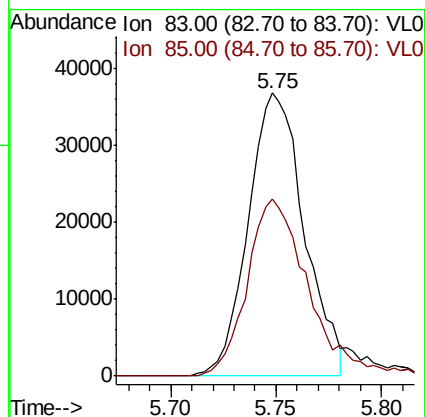
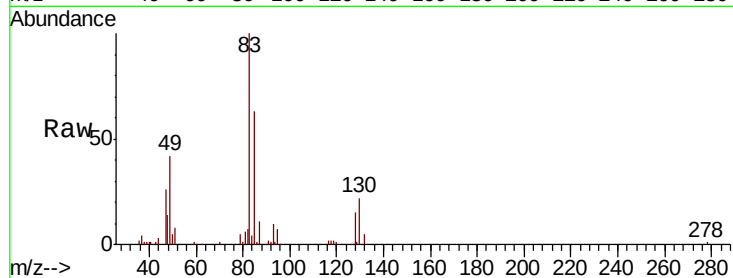
Tgt Ion: 84 Resp: 5182
Ion Ratio Lower Upper
84 100
49 144.4 111.2 166.8
51 32.3 32.8 49.2#
86 59.8 51.4 77.0





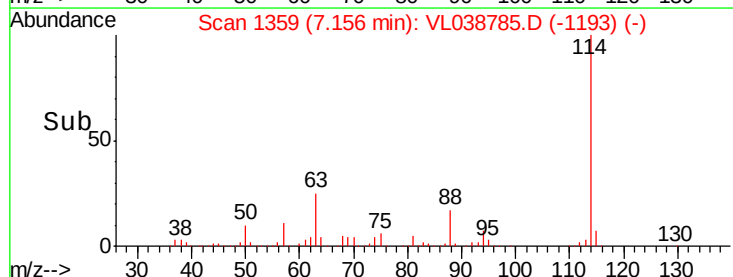
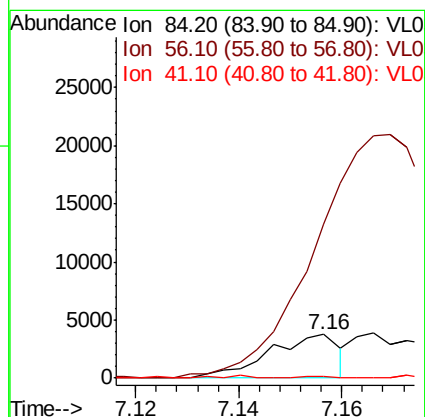
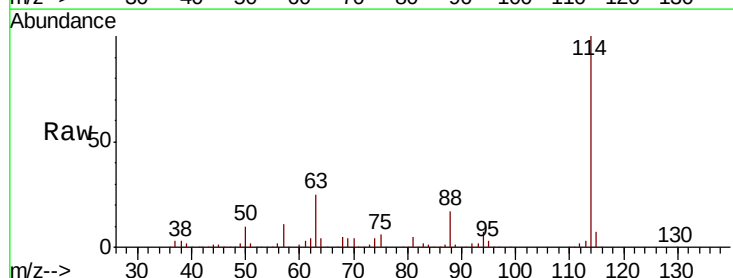
#29
Chloroform
Concen: 0.566 ppbv
RT: 5.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Mar 2022 00:18

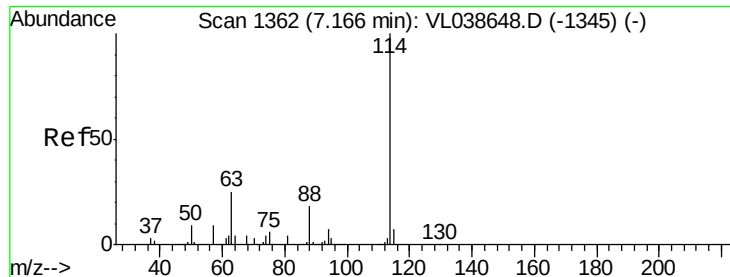
Tot Ion: 83 Resp: 67872
Ion Ratio Lower Upper
83 100
85 62.8 51.7 77.5



#30
Cyclohexane
Concen: 0.055 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.04 min
Lab File: VL038785.D
Acq: 29 Mar 2022 00:18

Tgt Ion: 84 Resp: 3551
Ion Ratio Lower Upper
84 100
56 0.0 108.2 162.4#
41 4.9 61.8 92.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Mar 2022 00:18

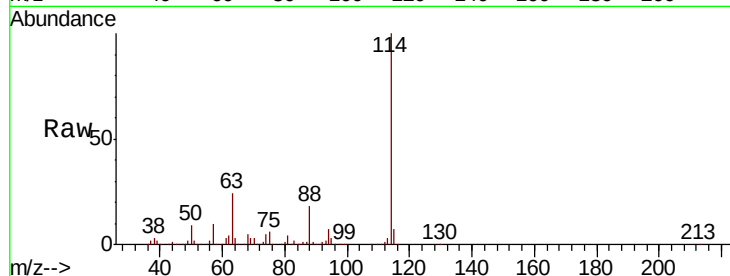
Tot Ion:114 Resp: 2065748

Ion Ratio Lower Upper

114 100

63 24.0 19.4 29.0

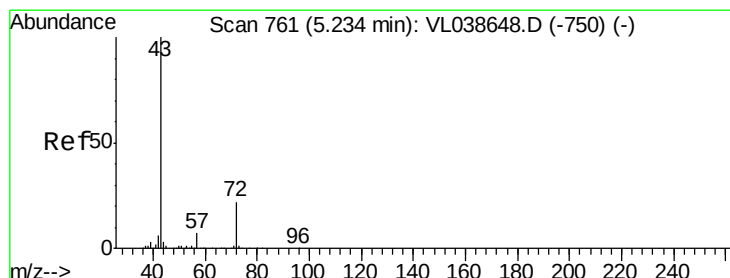
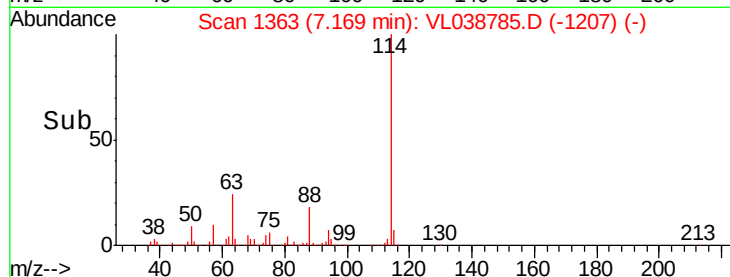
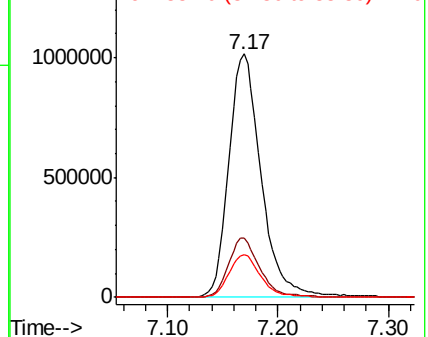
88 17.5 13.9 20.9



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



#34

2-Butanone

Concen: 0.358 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.03 min

Lab File: VL038785.D

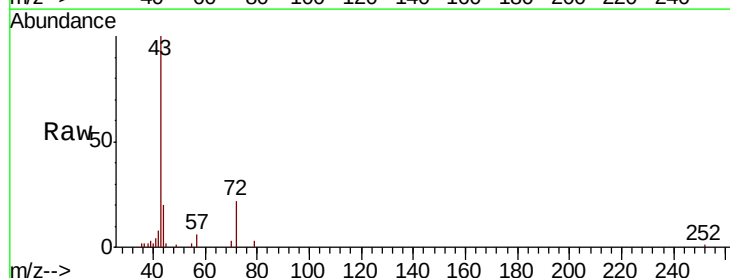
Acq: 29 Mar 2022 00:18

Tgt Ion: 43 Resp: 29294

Ion Ratio Lower Upper

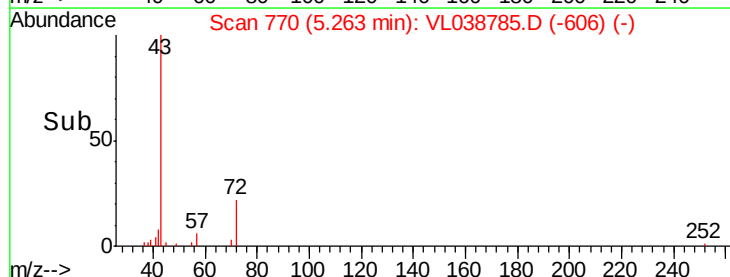
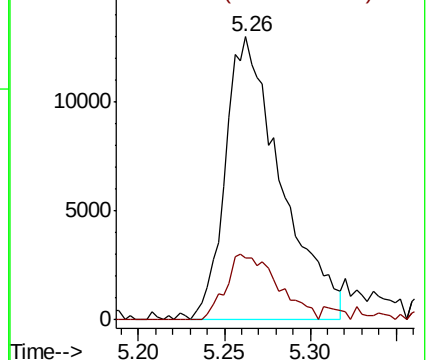
43 100

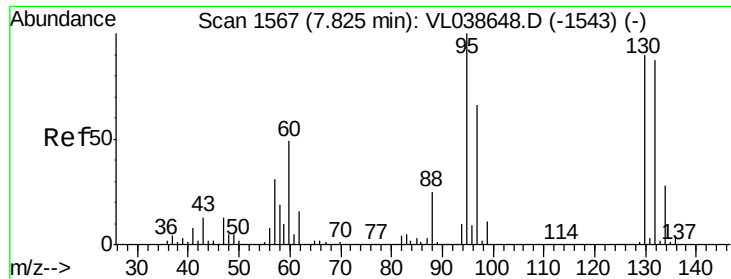
72 23.0 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

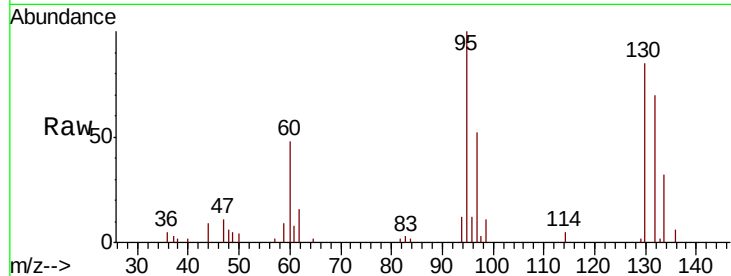
Ion 72.10 (71.80 to 72.80): VL0



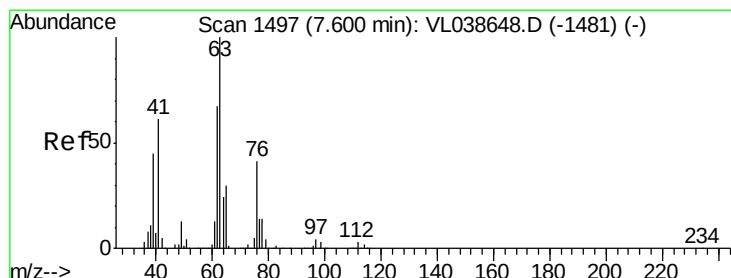
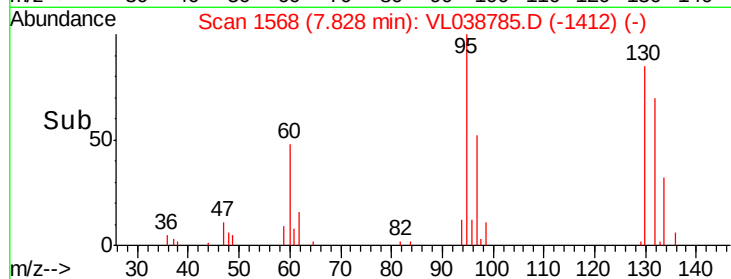
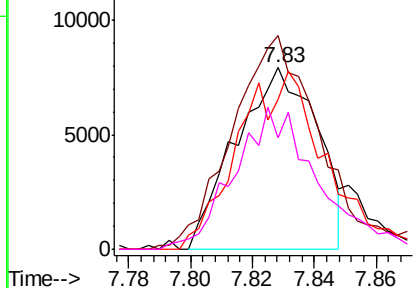


#38
 Trichloroethene
 Concen: 0.217 ppbv
 RT: 7.83
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 C0PA3DL
 Acq: 29 Mar 2022 00:18

Tot Ion:130 Resp: 14469
 Ion Ratio Lower Upper
 130 100
 95 104.4 88.9 133.3
 132 74.4 77.4 116.0#
 97 59.4 58.2 87.4

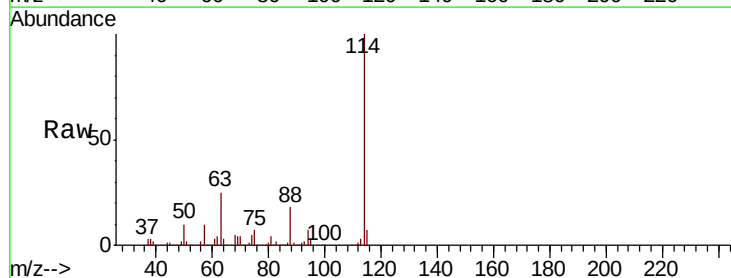


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

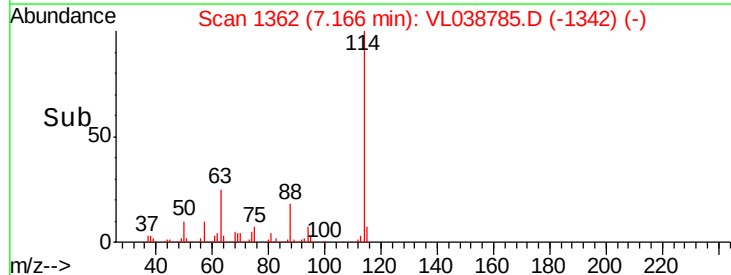
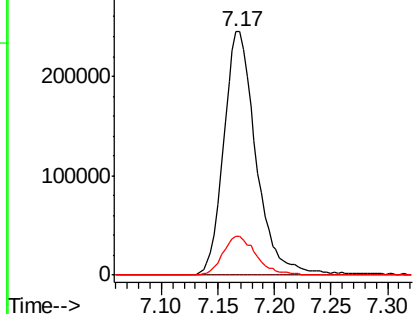


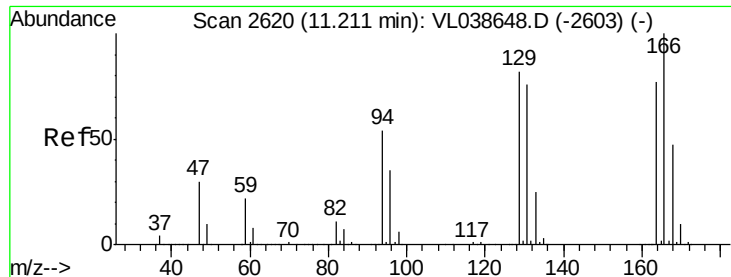
#39
 1,2-Dichloropropane
 Concen: 7.824 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.43 min
 Lab File: VL038785.D
 Acq: 29 Mar 2022 00:18

Tgt Ion: 63 Resp: 487631
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.0 73.6#
 62 16.0 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





#52

Tetrachloroethene

Concen: 14.168 ppbv

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Mar 2022 00:18

Tot Ion:164 Resp: 826636

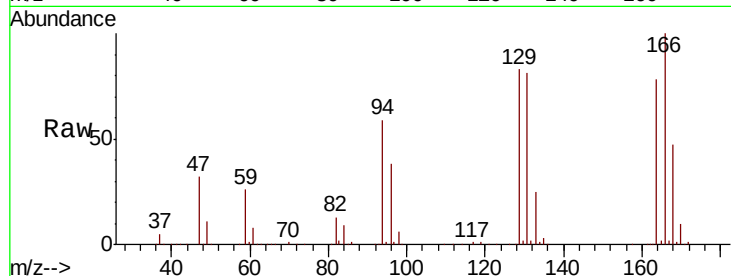
Ion Ratio Lower Upper

164 100

166 128.5 103.3 154.9

129 107.3 85.2 127.8

131 104.4 78.3 117.5

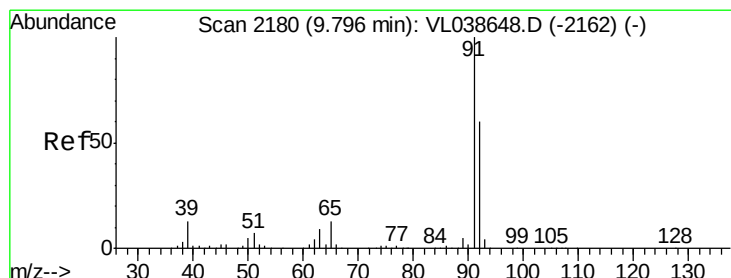
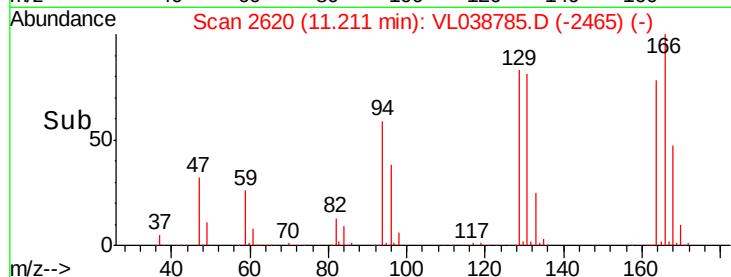
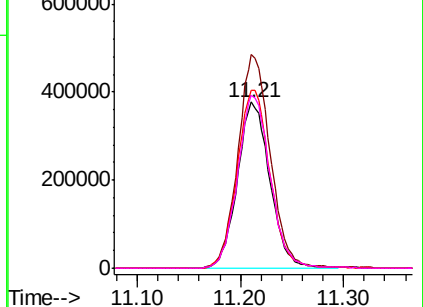


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.307 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL038785.D

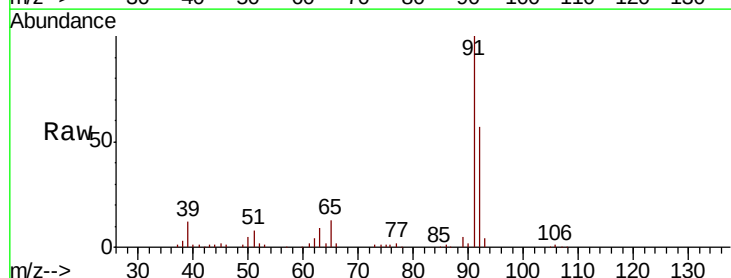
Acq: 29 Mar 2022 00:18

Tgt Ion: 91 Resp: 223873

Ion Ratio Lower Upper

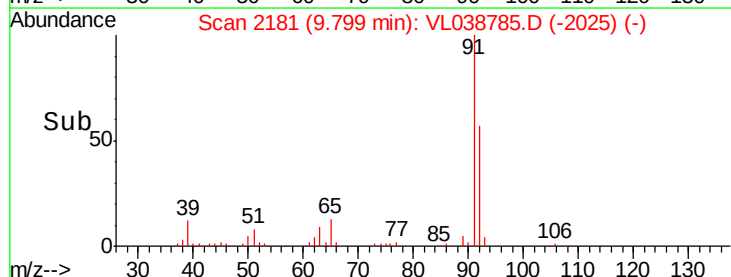
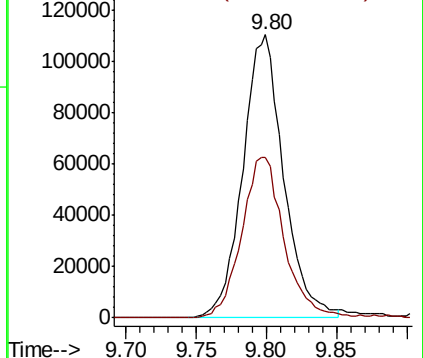
91 100

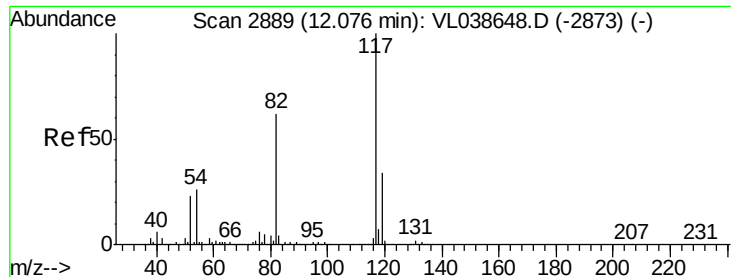
92 60.0 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

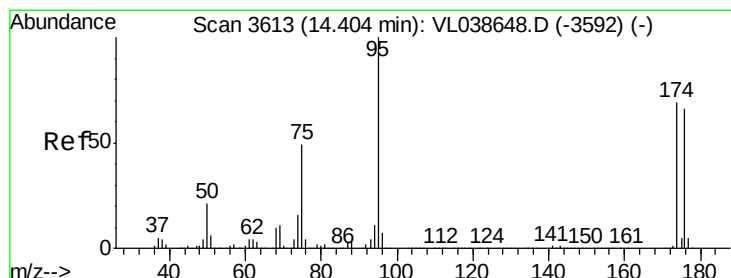
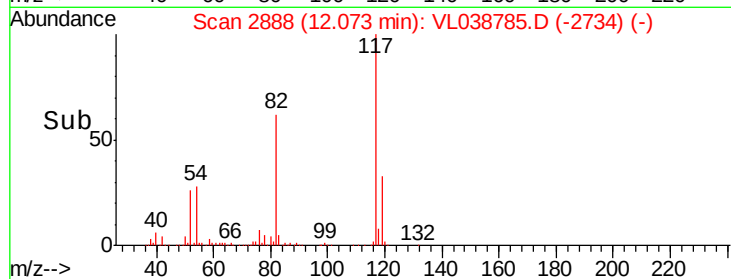
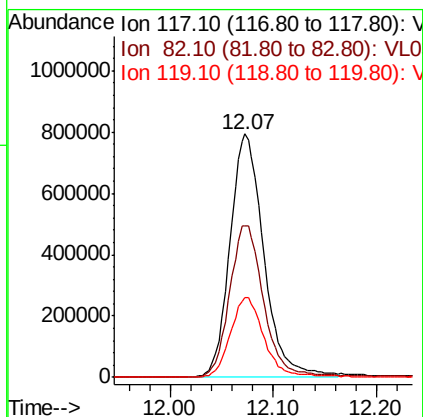
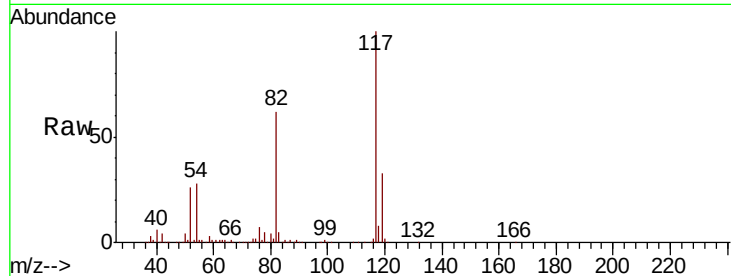
Ion 92.10 (91.80 to 92.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 C0PA3DL
 Acq: 29 Mar 2022 00:18

Tot Ion: 117 Resp: 1818326
 Ion Ratio Lower Upper
 117 100
 82 64.5 51.6 77.4
 119 32.8 26.9 40.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.448 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T.: -0.00 min
 Lab File: VL038785.D
 Acq: 29 Mar 2022 00:18

Tgt Ion: 95 Resp: 1317119
 Ion Ratio Lower Upper
 95 100
 174 70.6 56.1 84.1
 175 5.0 4.2 6.2

