

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041921.D
 Acq On : 20 Jan 2025 15:41
 Operator : SY/MD
 Sample : Q1090-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 21 03:04:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.784	49	139199	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.955	114	390655	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.875	117	351878	10.000	ppbv	-0.02

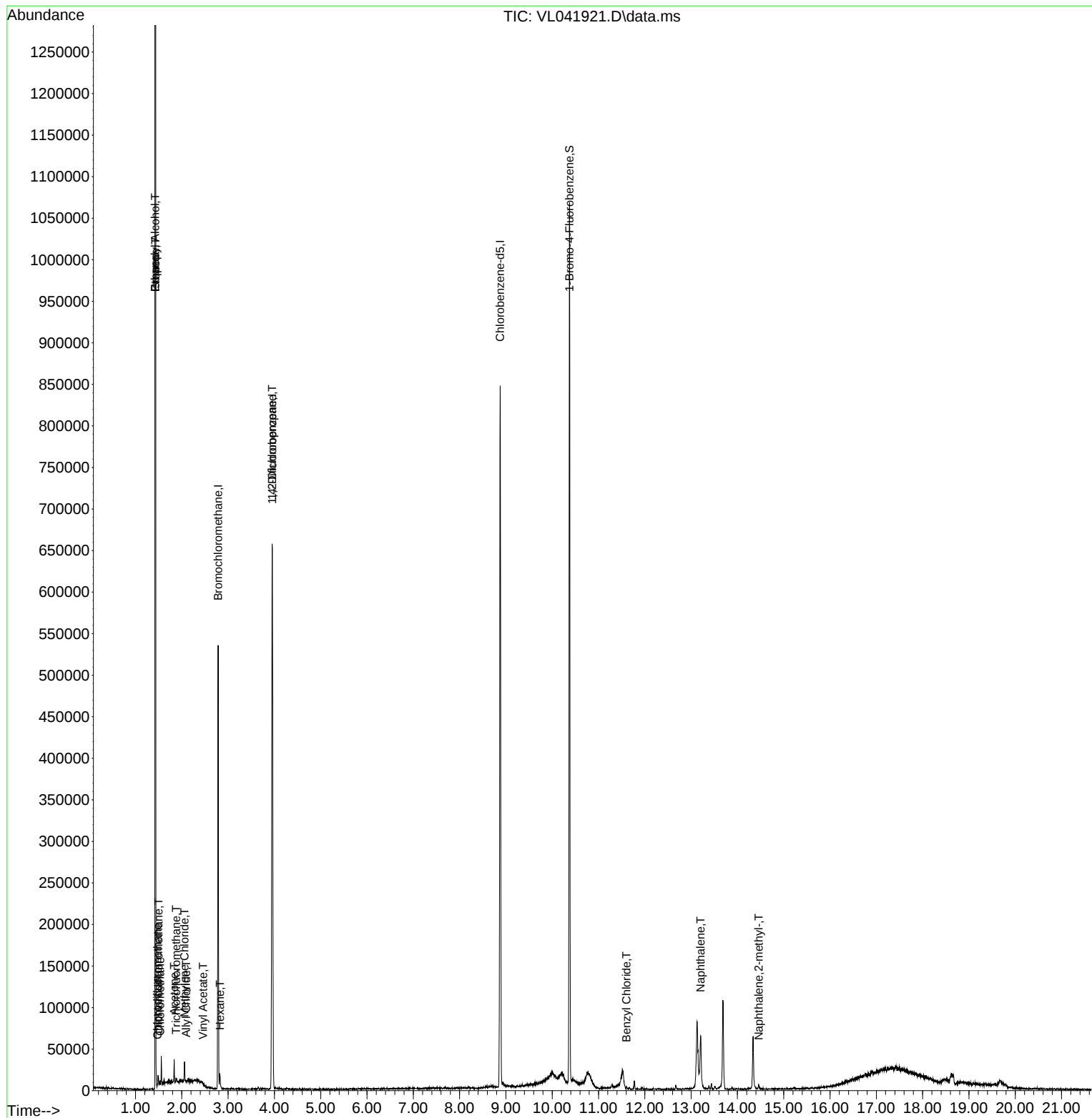
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	277385	10.008	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

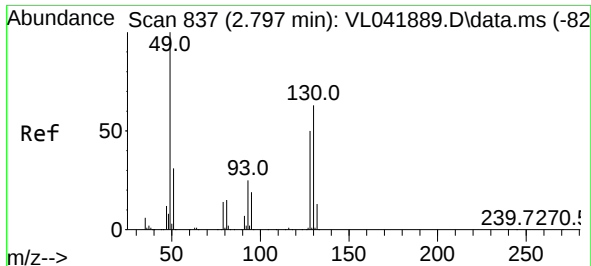
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2523	0.133	ppbv #	77
3) Chlorodifluoromethane	1.476	51	1893	0.095	ppbv #	90
4) Chloromethane	1.531	50	1099	0.154	ppbv #	72
9) Propene	1.431	41	754	0.092	ppbv	88
11) Trichlorofluoromethane	1.877	101	1105	0.056	ppbv	99
13) Ethanol	1.428	45	212180	354.023	ppbv	87
15) Acetone	1.835	43	11657	0.697	ppbv	99
19) Isopropyl Alcohol	1.428	45	212180	21.404	ppbv #	32
20) Methylene Chloride	2.059	84	3438	0.520	ppbv #	86
21) Allyl Chloride	2.091	41	399	0.034	ppbv #	28
23) Vinyl Acetate	2.457	43	267	0.032	ppbv #	1
26) Hexane	2.823	57	3966	0.222	ppbv #	39
39) 1,2-Dichloropropane	3.952	63	98008	7.798	ppbv #	22
66) Benzyl Chloride	11.604	91	242	0.063	ppbv #	66
79) Naphthalene	13.202	128	55220	1.096	ppbv	97
80) Naphthalene,2-methyl-	14.458	142	2537	0.106	ppbv	96

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

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 21 03:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

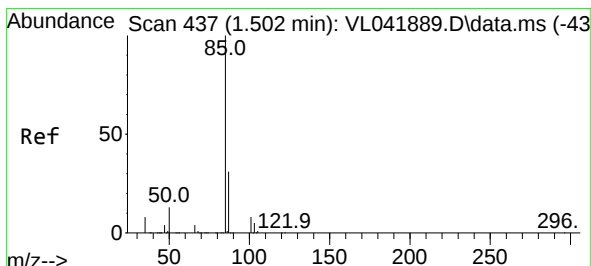
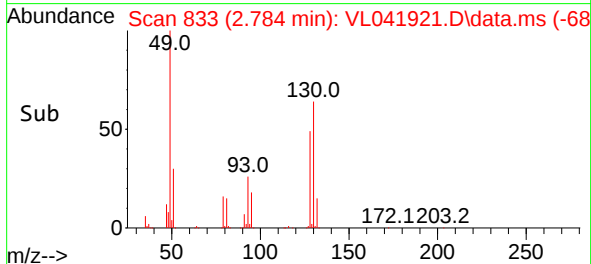
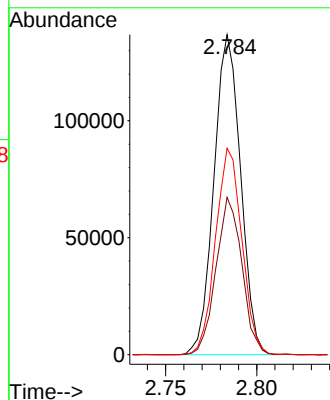
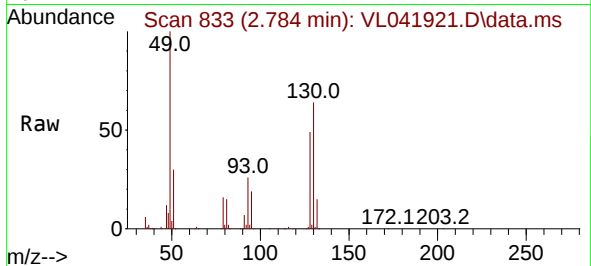




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

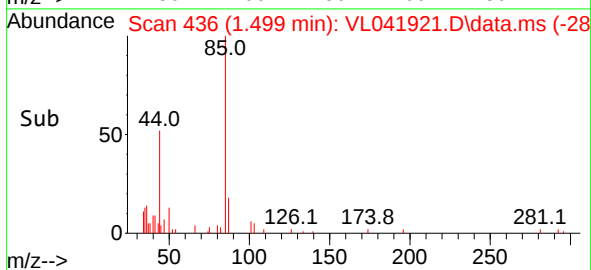
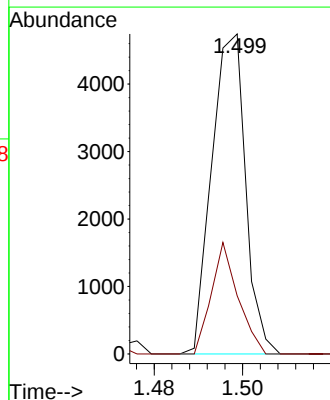
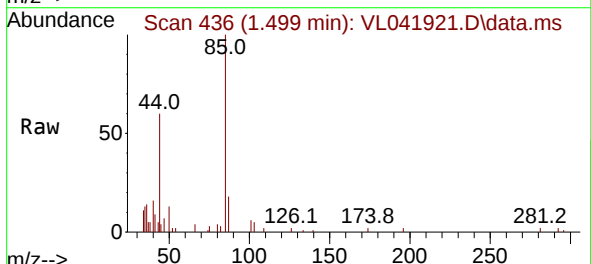
Instrument :
MSVOA_L
ClientSampleId :

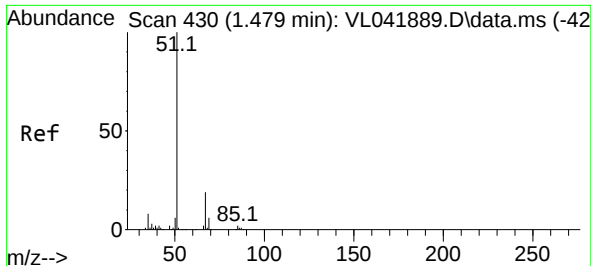
Tgt Ion: 49 Resp: 139199
Ion Ratio Lower Upper
49 100
128 47.8 24.3 73.0
130 63.8 31.1 93.2



#2
Dichlorodifluoromethane
Concen: 0.133 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Tgt Ion: 85 Resp: 2523
Ion Ratio Lower Upper
85 100
87 18.2 24.9 37.3#

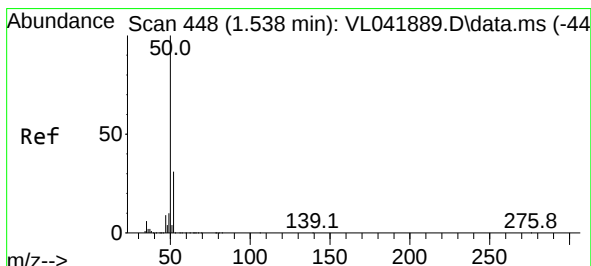
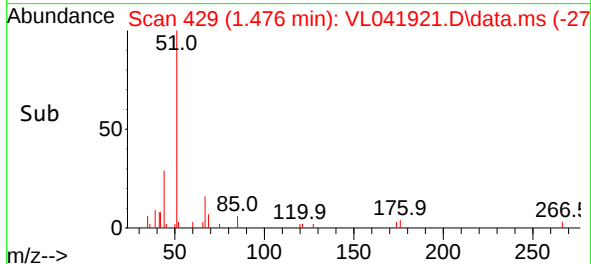
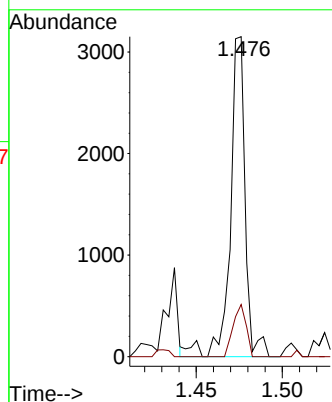
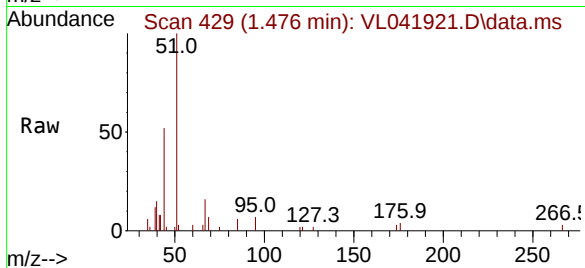




#3
Chlorodifluoromethane
Concen: 0.095 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

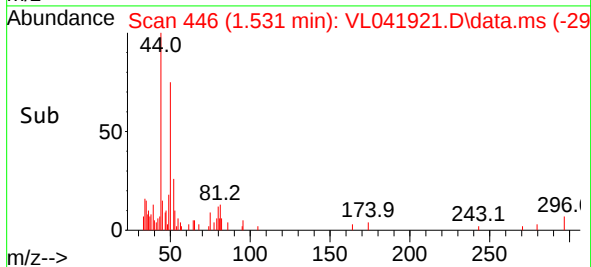
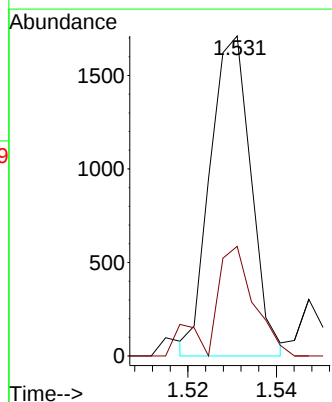
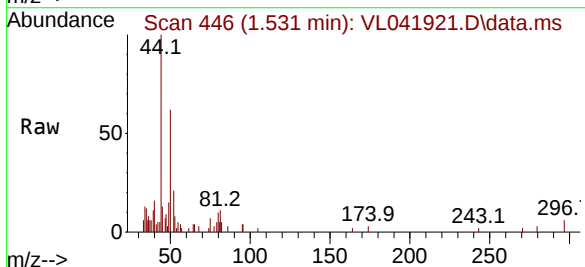
Instrument :
MSVOA_L
ClientSampleId :

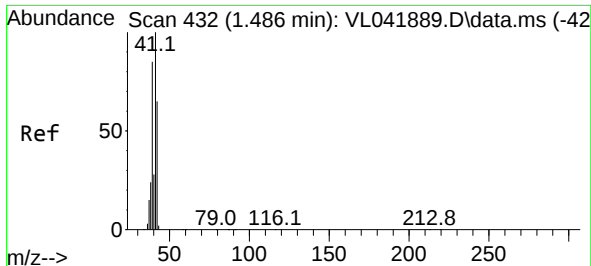
Tgt Ion: 51 Resp: 1893
Ion Ratio Lower Upper
51 100
67 14.2 15.0 22.4#



#4
Chloromethane
Concen: 0.154 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.006 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Tgt Ion: 50 Resp: 1099
Ion Ratio Lower Upper
50 100
52 46.1 24.6 36.8#





#9

Propene

Concen: 0.092 ppbv

RT: 1.431 min Scan# 41

Delta R.T. -0.055 min

Lab File: VL041921.D

Acq: 20 Jan 2025 15:41

Instrument :

MSVOA_L

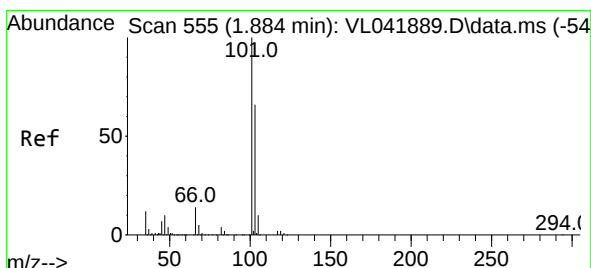
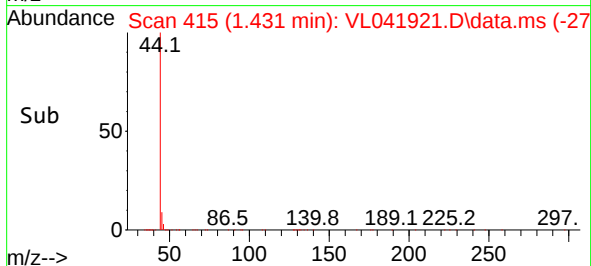
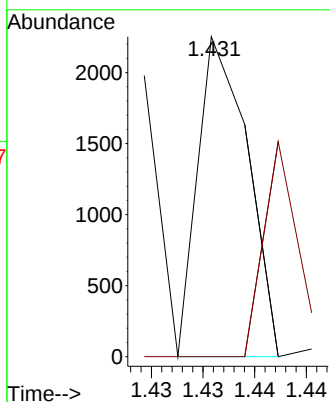
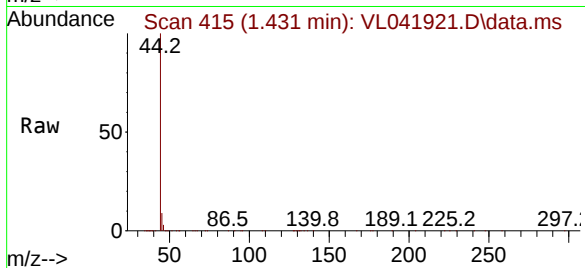
ClientSampleId :

Tgt Ion: 41 Resp: 754

Ion Ratio Lower Upper

41 100

42 55.8 52.0 78.0



#11

Trichlorofluoromethane

Concen: 0.056 ppbv

RT: 1.877 min Scan# 553

Delta R.T. -0.006 min

Lab File: VL041921.D

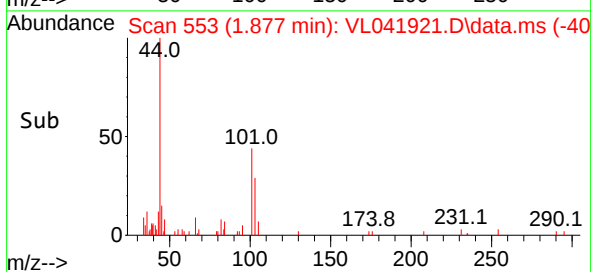
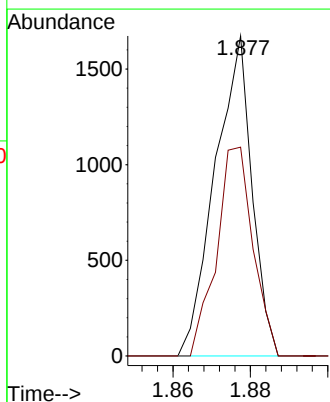
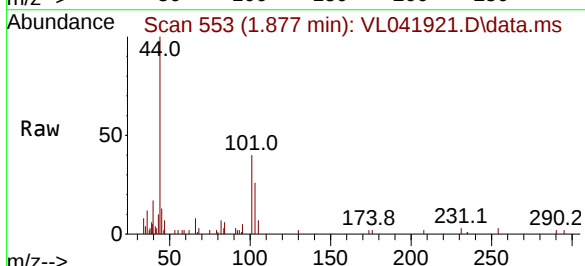
Acq: 20 Jan 2025 15:41

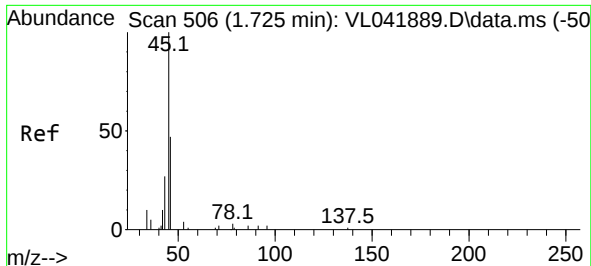
Tgt Ion: 101 Resp: 1105

Ion Ratio Lower Upper

101 100

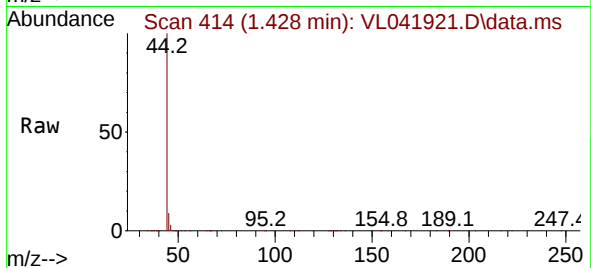
103 65.3 53.1 79.7



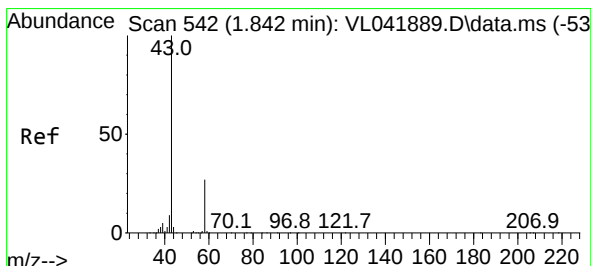
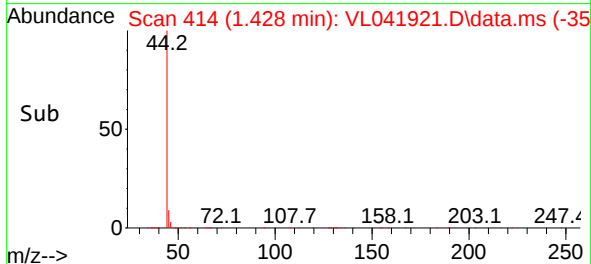
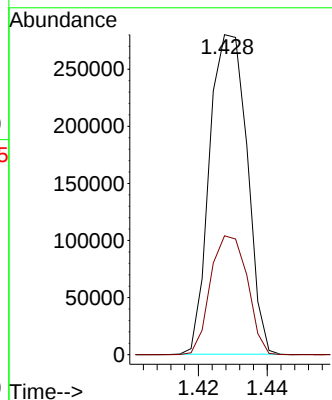


#13
Ethanol
Concen: 354.023 ppbv
RT: 1.428 min Scan# 414
Delta R.T. -0.298 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Instrument :
MSVOA_L
ClientSampleId :

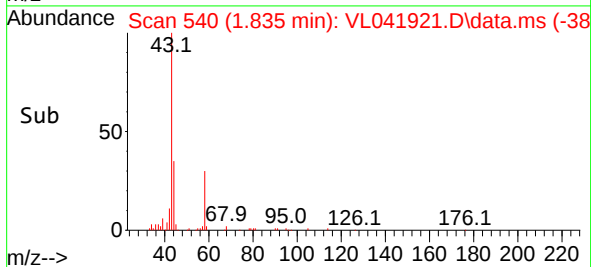
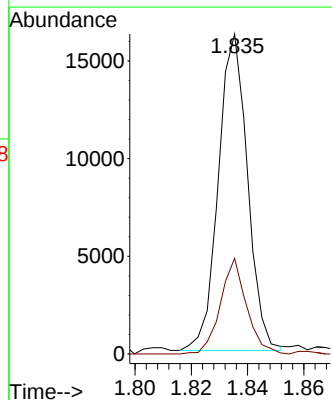
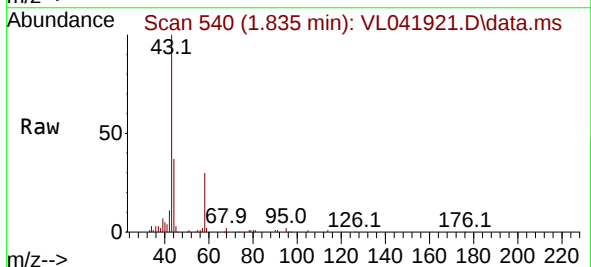


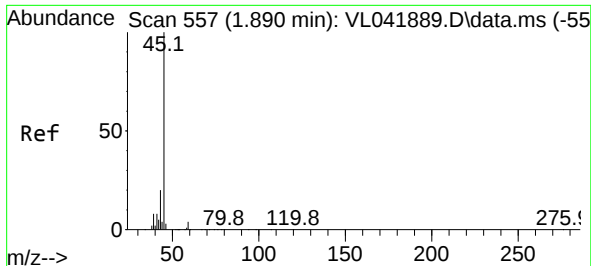
Tgt Ion: 45 Resp: 212180
Ion Ratio Lower Upper
45 100
46 36.5 18.1 72.5



#15
Acetone
Concen: 0.697 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.006 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Tgt Ion: 43 Resp: 11657
Ion Ratio Lower Upper
43 100
58 27.9 21.9 32.9

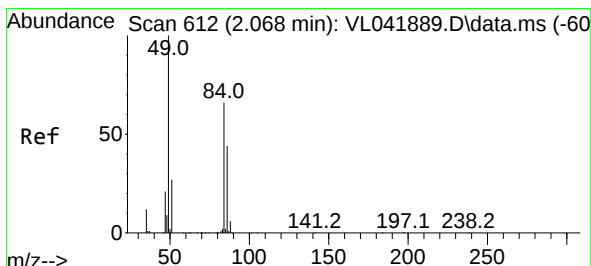
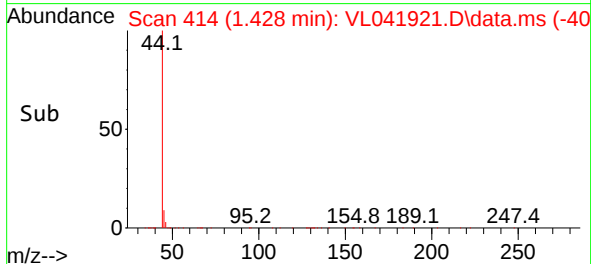
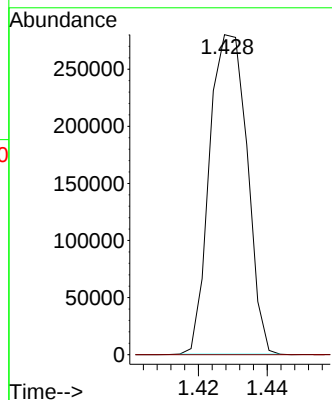
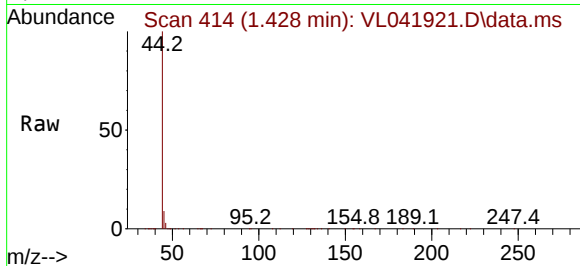




#19
Isopropyl Alcohol
Concen: 21.404 ppbv
RT: 1.428 min Scan# 414
Delta R.T. -0.463 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

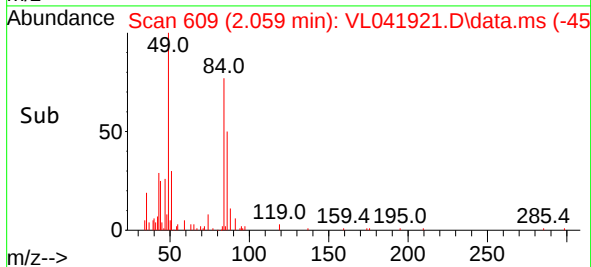
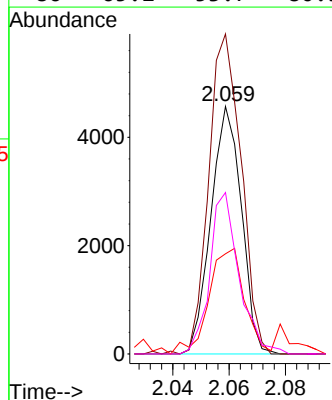
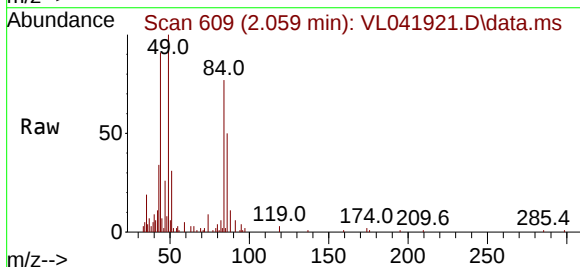
Instrument :
MSVOA_L
ClientSampleId :

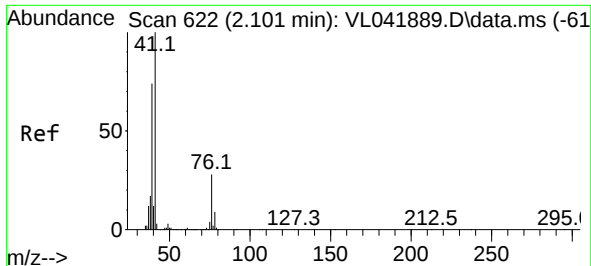
Tgt Ion: 45 Resp: 212180
Ion Ratio Lower Upper
45 100
58 0.1 35.0 52.6#



#20
Methylene Chloride
Concen: 0.520 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Tgt Ion: 84 Resp: 3438
Ion Ratio Lower Upper
84 100
49 129.3 123.1 184.7
51 35.7 35.8 53.8#
86 65.2 53.7 80.5

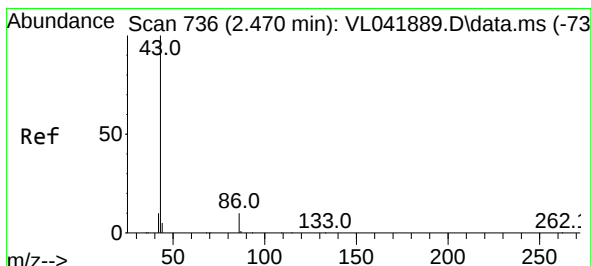
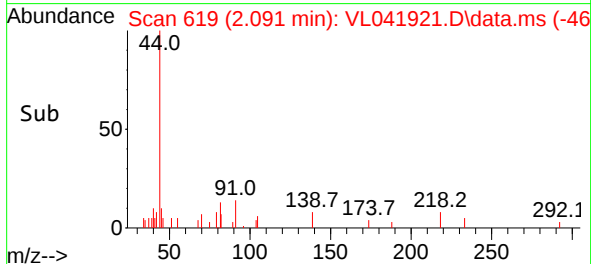
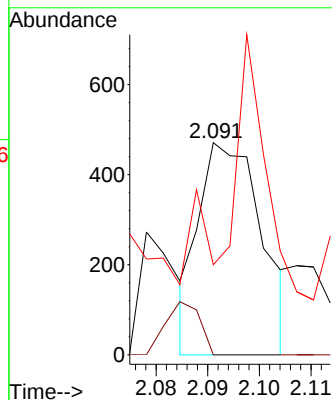
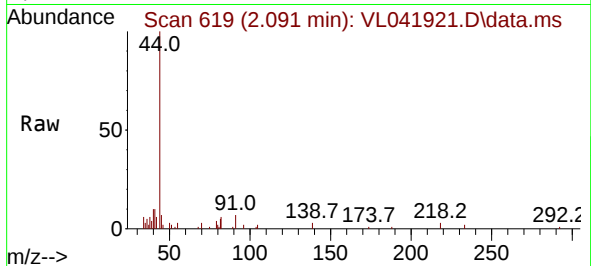




#21
 Allyl Chloride
 Concen: 0.034 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.010 min
 Lab File: VL041921.D
 Acq: 20 Jan 2025 15:41

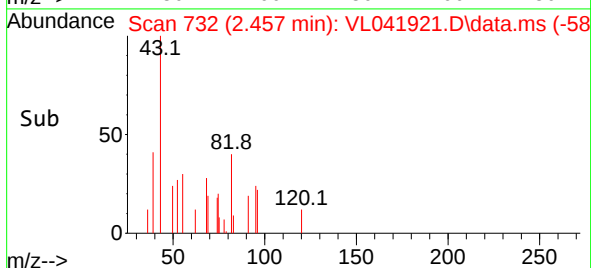
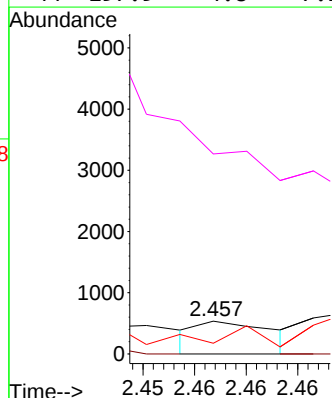
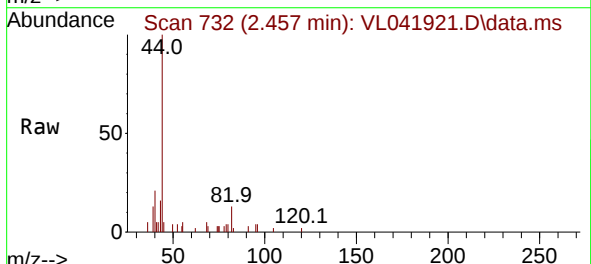
Instrument :
 MSVOA_L
 ClientSampleId :

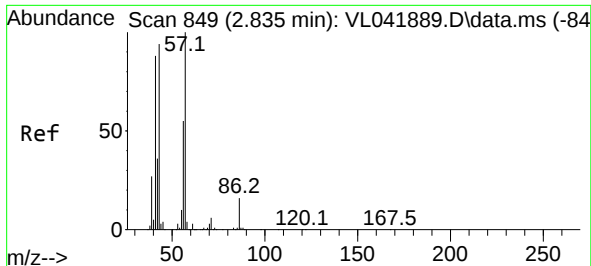
Tgt Ion: 41 Resp: 399
 Ion Ratio Lower Upper
 41 100
 76 13.8 24.2 36.4#
 39 0.0 60.6 91.0#



#23
 Vinyl Acetate
 Concen: 0.032 ppbv
 RT: 2.457 min Scan# 732
 Delta R.T. -0.013 min
 Lab File: VL041921.D
 Acq: 20 Jan 2025 15:41

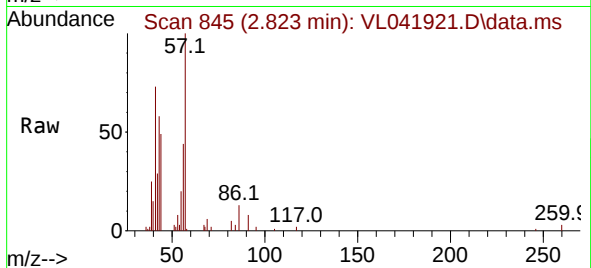
Tgt Ion: 43 Resp: 267
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.2 9.4#
 42 41.1 8.5 12.7#
 44 297.9 4.8 7.2#



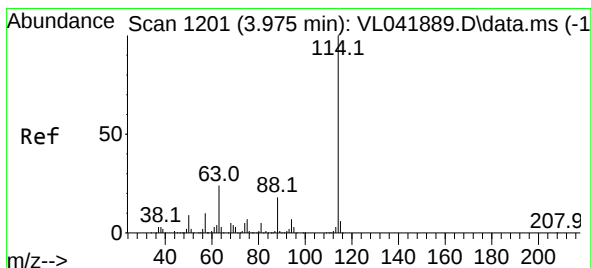
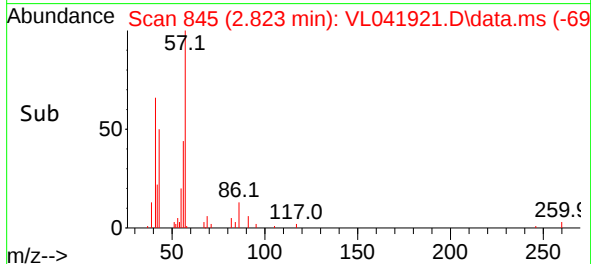
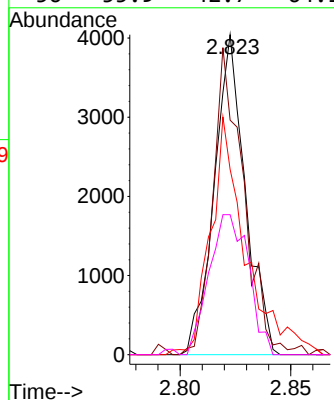


#26
Hexane
Concen: 0.222 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.013 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Instrument :
MSVOA_L
ClientSampleId :

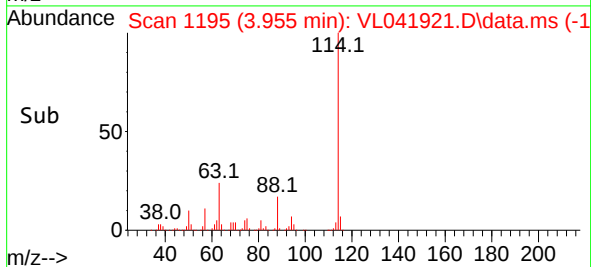
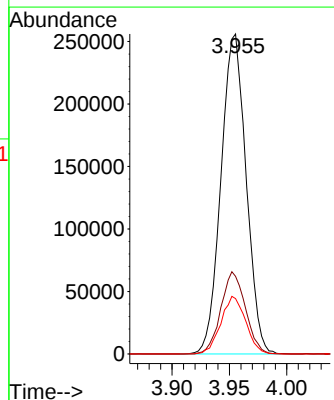
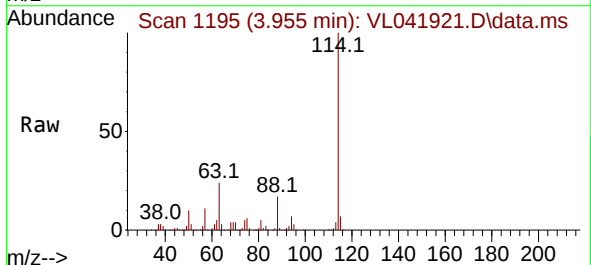


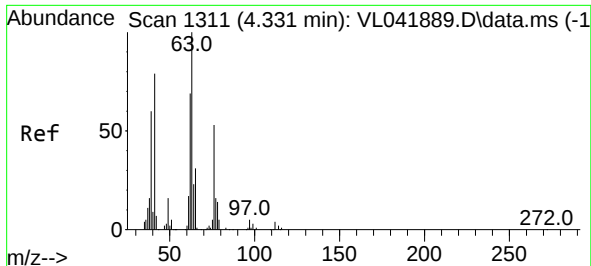
Tgt Ion: 57	Resp: 3966
Ion Ratio	Lower Upper
57 100	
41 96.1	73.8 110.8
43 83.4	197.3 295.9#
56 55.9	42.7 64.1



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.019 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Tgt Ion:114	Resp: 390655
Ion Ratio	Lower Upper
114 100	
63 25.1	19.8 29.6
88 17.7	14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.798 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.379 min

Lab File: VL041921.D

Acq: 20 Jan 2025 15:41

Instrument :

MSVOA_L

ClientSampleId :

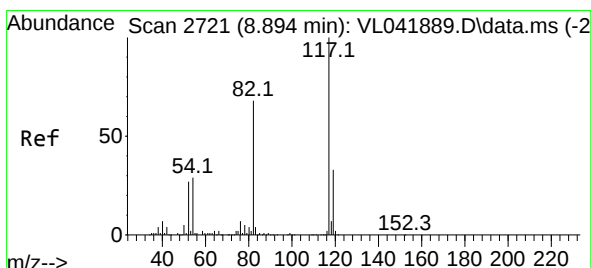
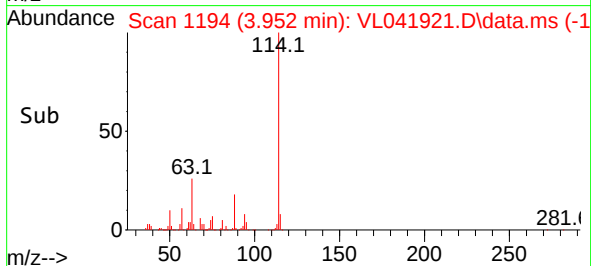
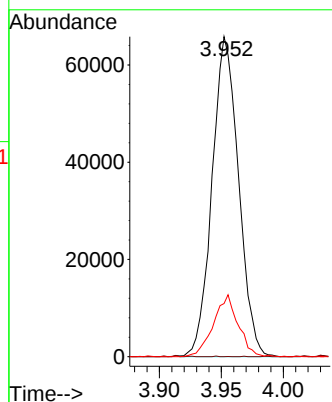
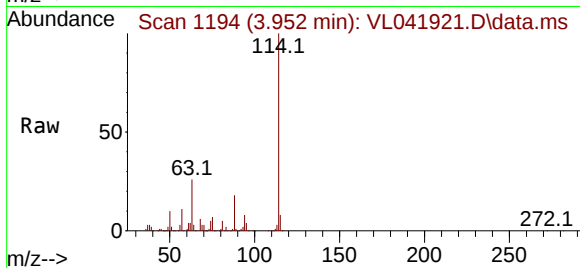
Tgt Ion: 63 Resp: 98008

Ion Ratio Lower Upper

63 100

41 0.0 63.7 95.5#

62 16.6 55.4 83.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2715

Delta R.T. -0.019 min

Lab File: VL041921.D

Acq: 20 Jan 2025 15:41

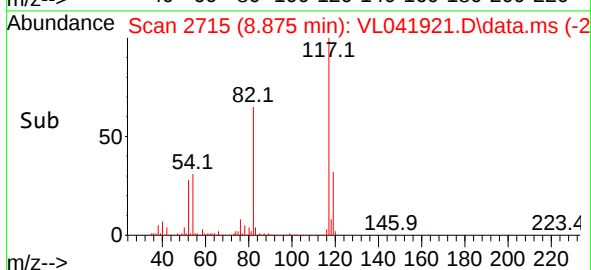
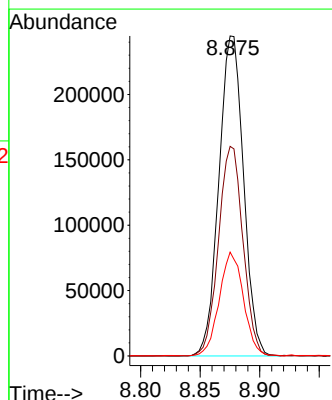
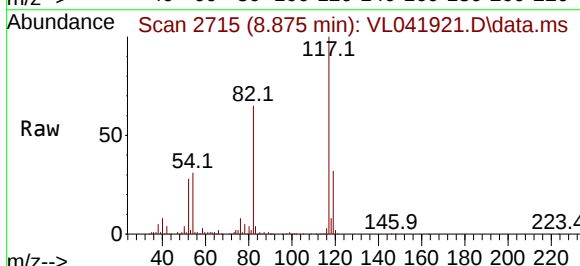
Tgt Ion: 117 Resp: 351878

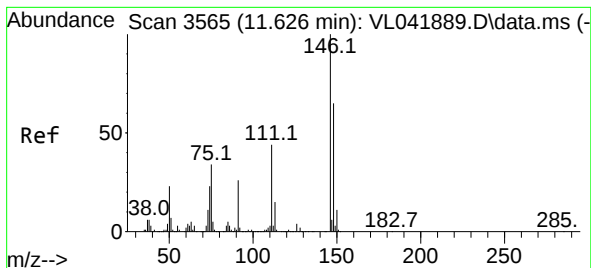
Ion Ratio Lower Upper

117 100

82 65.0 54.2 81.4

119 31.9 25.0 37.6





#66

Benzyl Chloride

Concen: 0.063 ppbv

RT: 11.604 min Scan# 3177

Delta R.T. -0.023 min

Lab File: VL041921.D

Acq: 20 Jan 2025 15:41

Instrument :

MSVOA_L

ClientSampleId :

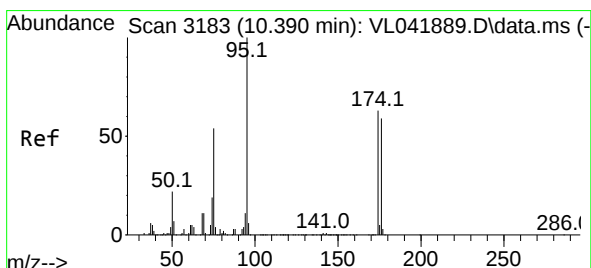
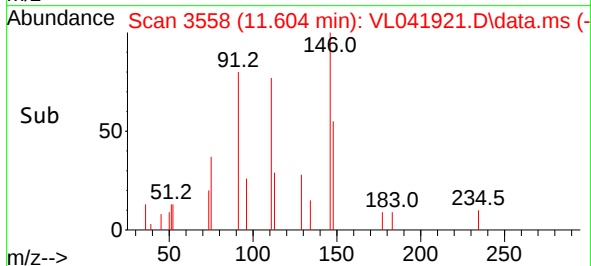
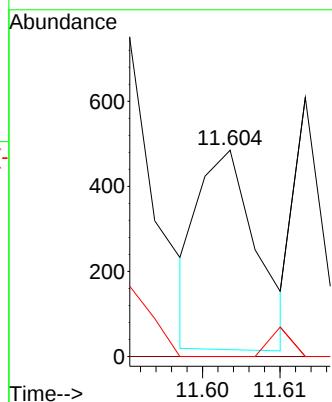
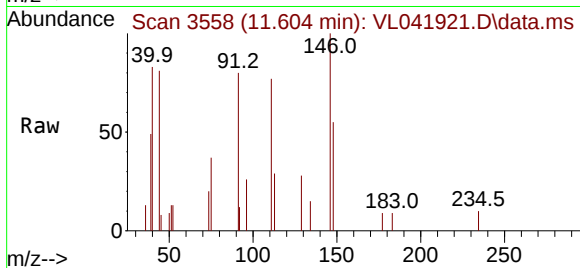
Tgt Ion: 91 Resp: 242

Ion Ratio Lower Upper

91 100

126 0.0 14.1 21.1#

128 0.0 4.3 6.5#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.008 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. -0.019 min

Lab File: VL041921.D

Acq: 20 Jan 2025 15:41

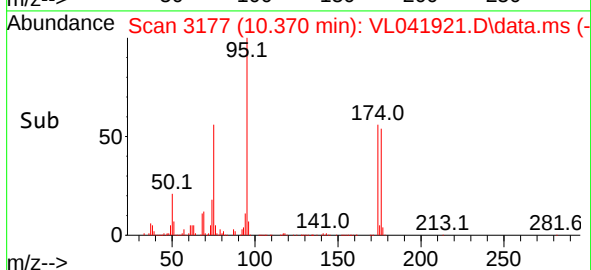
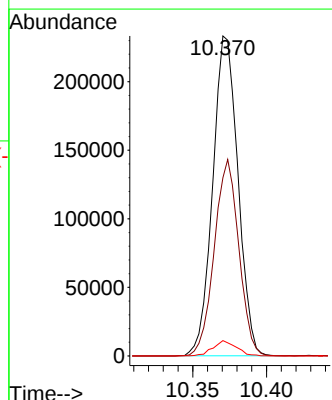
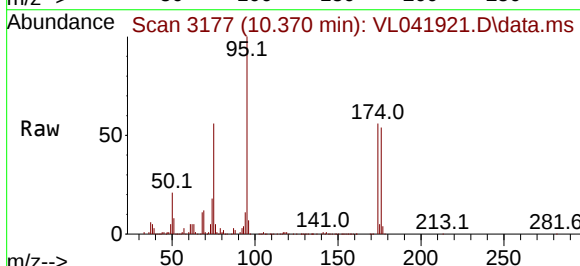
Tgt Ion: 95 Resp: 277385

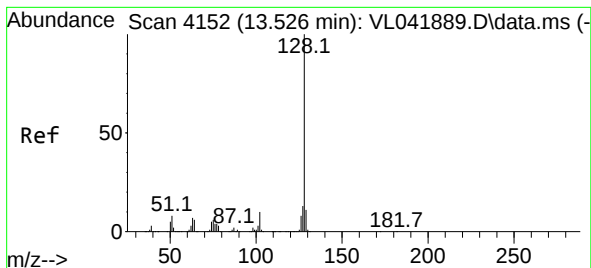
Ion Ratio Lower Upper

95 100

174 59.8 49.0 73.4

175 4.5 3.8 5.8





#79

Naphthalene

Concen: 1.096 ppbv

RT: 13.202 min Scan# 4052

Delta R.T. -0.324 min

Lab File: VL041921.D

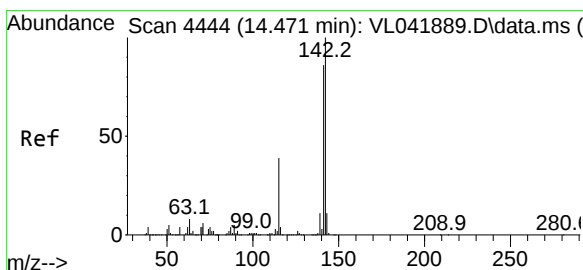
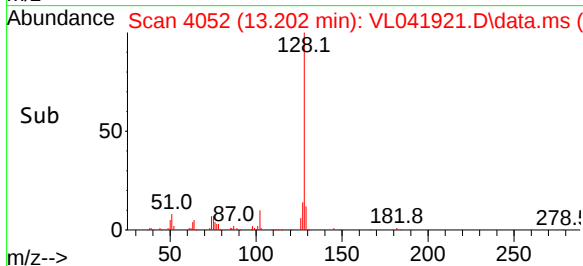
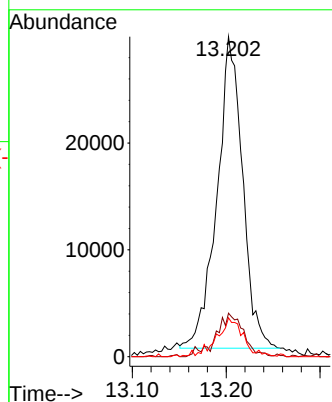
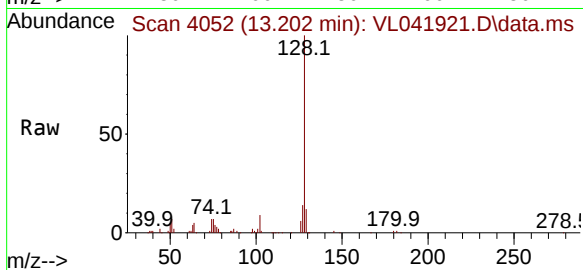
Acq: 20 Jan 2025 15:41

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	128	Resp:	55220
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.4
129	12.5	9.1	13.7



#80

Naphthalene,2-methyl-

Concen: 0.106 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. -0.013 min

Lab File: VL041921.D

Acq: 20 Jan 2025 15:41

Tgt Ion:	142	Resp:	2537
Ion	Ratio	Lower	Upper
142	100		
141	83.9	68.1	102.1
115	45.3	31.7	47.5

