

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042080.D
 Acq On : 03 Mar 2025 16:53
 Operator : SY/MD
 Sample : Q1430-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Quant Time: Mar 04 00:19:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	163892	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.955	114	363295	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	301214	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	219869	9.488	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%

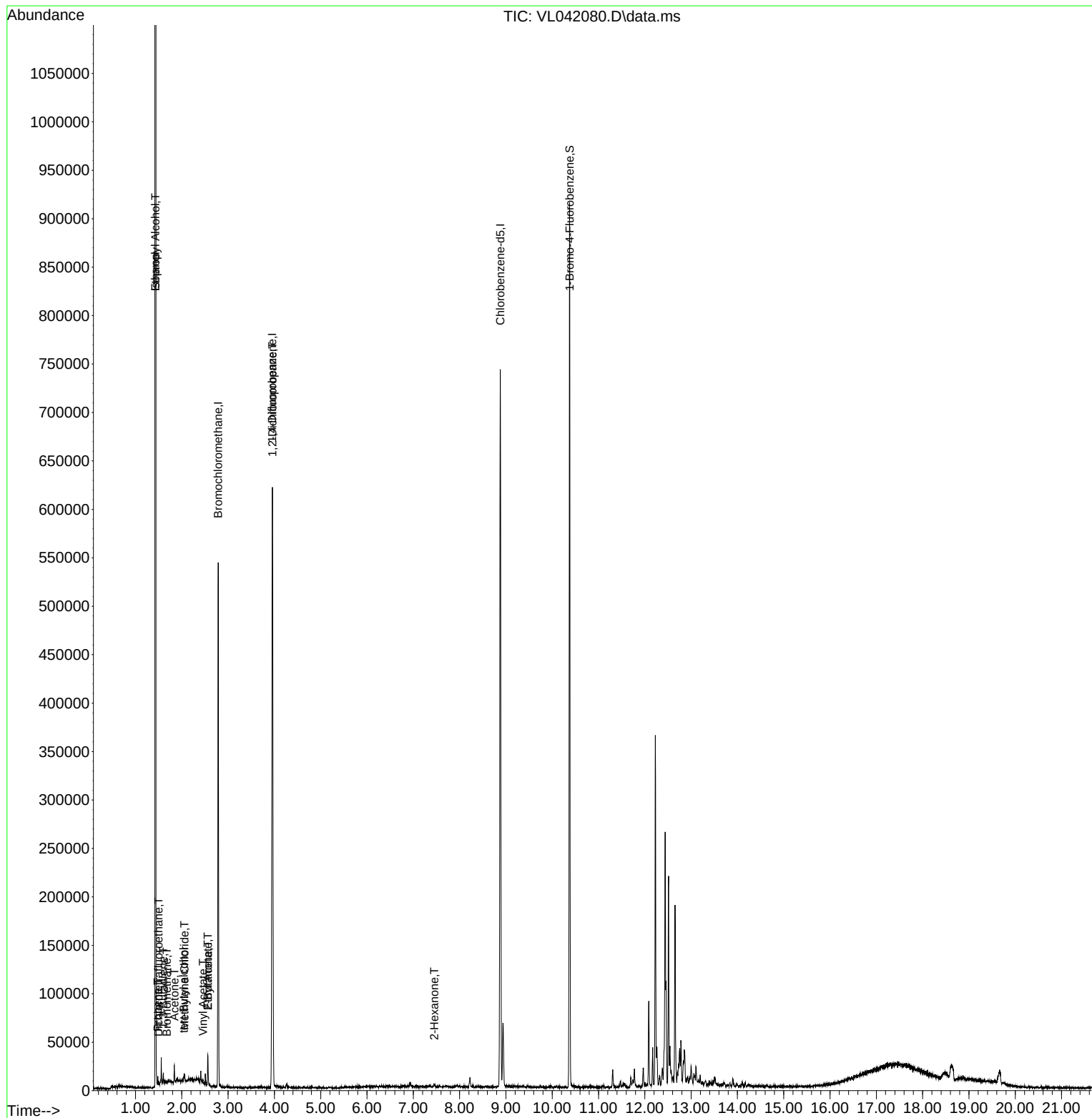
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Bromomethane	1.677	94	158	0.056	ppbv #	2
8) Dichlorotetrafluoroethane	1.499	85	481	0.034	ppbv #	16
9) Propene	1.483	41	1351	0.139	ppbv #	81
13) Ethanol	1.431	45	213873	347.192	ppbv	90
15) Acetone	1.839	43	7593	0.525	ppbv #	76
16) 1,3-Butadiene	1.602	39	1269	0.188	ppbv #	12
17) tert-Butyl alcohol	2.046	59	1230	0.068	ppbv	100
19) Isopropyl Alcohol	1.431	45	213873	25.725	ppbv #	32
20) Methylene Chloride	2.059	84	1286	0.235	ppbv #	68
23) Vinyl Acetate	2.457	43	306	0.030	ppbv #	77
25) Ethyl Acetate	2.560	43	20729	0.358	ppbv #	77
34) 2-Butanone	2.560	43	20729	0.732	ppbv	94
39) 1,2-Dichloropropane	3.959	63	95181	6.594	ppbv #	24
51) 2-Hexanone	7.451	43	788	0.031	ppbv #	37

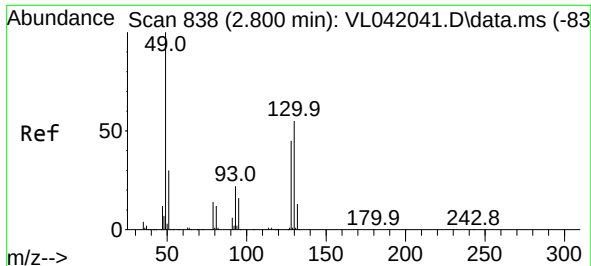
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 04 00:19:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

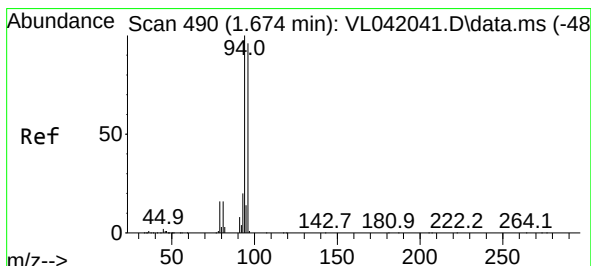
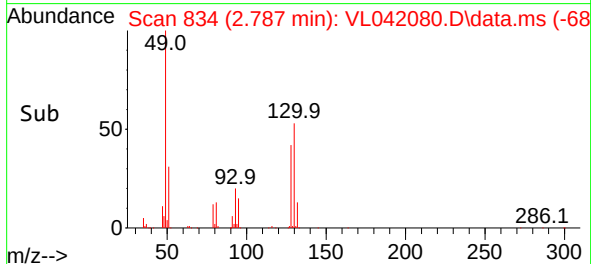
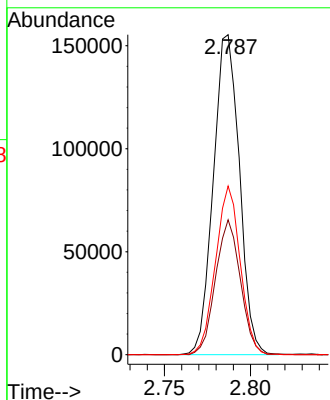
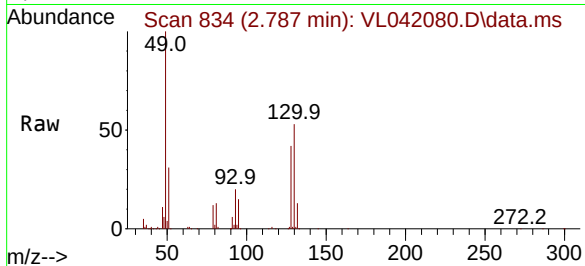




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

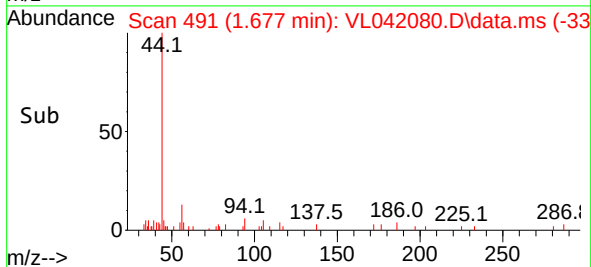
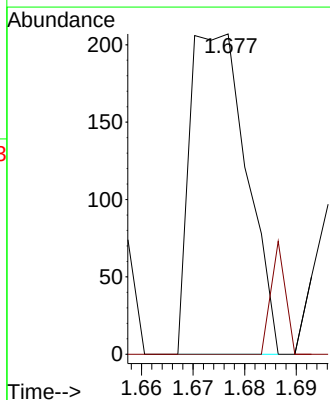
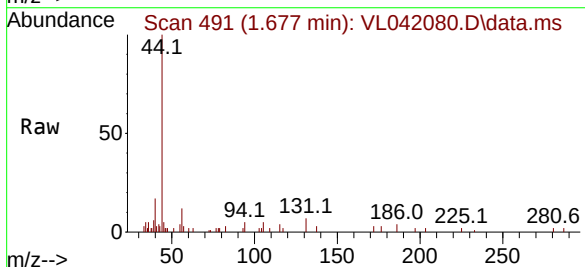
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

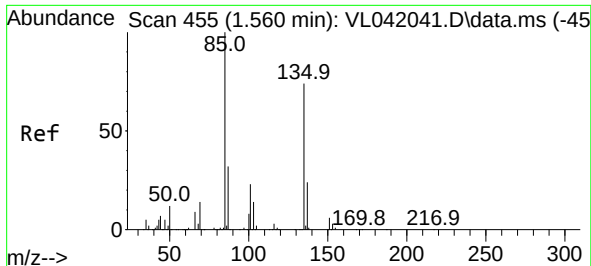
Tgt Ion: 49 Resp: 163892
Ion Ratio Lower Upper
49 100
128 40.3 21.6 64.8
130 49.9 27.8 83.4



#6
Bromomethane
Concen: 0.056 ppbv
RT: 1.677 min Scan# 491
Delta R.T. 0.003 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 0.0 76.5 114.7#

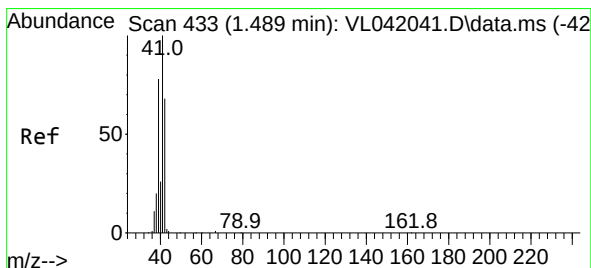
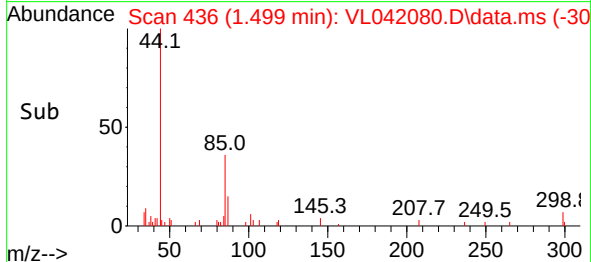
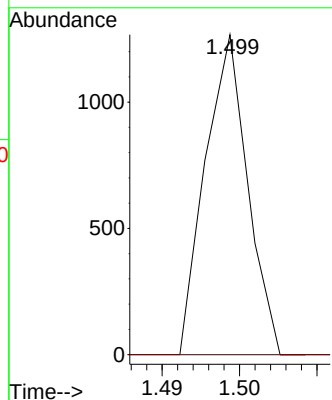
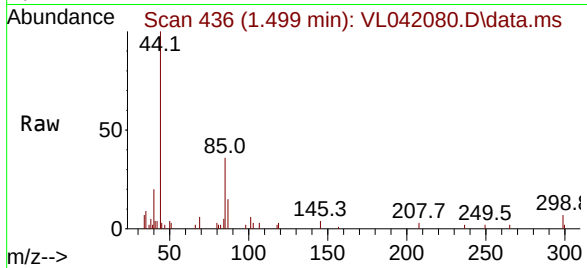




#8
Dichlorotetrafluoroethane
Concen: 0.034 ppbv
RT: 1.499 min Scan# 411
Delta R.T. -0.062 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

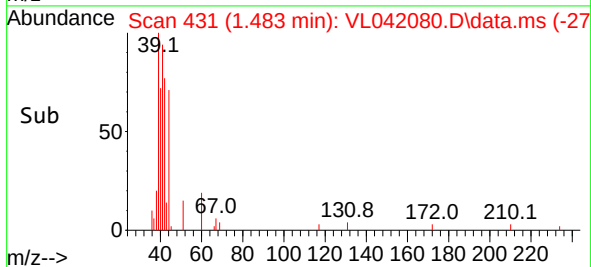
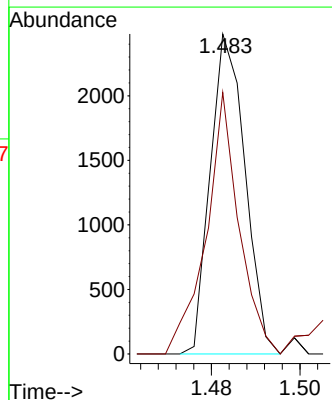
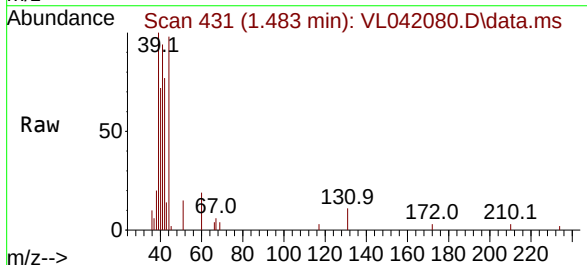
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

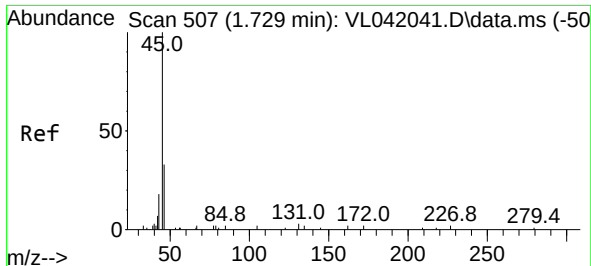
Tgt Ion: 85 Resp: 481
Ion Ratio Lower Upper
85 100
135 0.0 54.6 81.8#



#9
Propene
Concen: 0.139 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.007 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

Tgt Ion: 41 Resp: 1351
Ion Ratio Lower Upper
41 100
42 85.0 55.8 83.6#

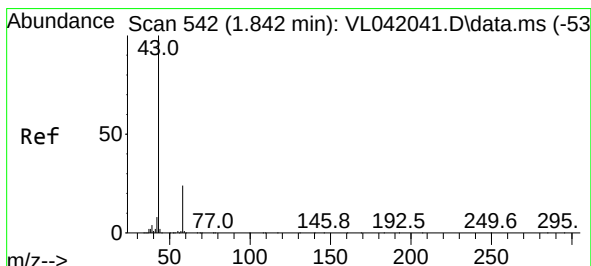
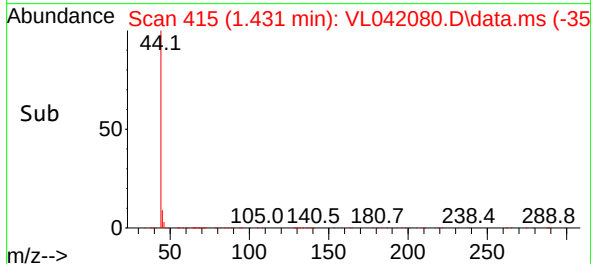
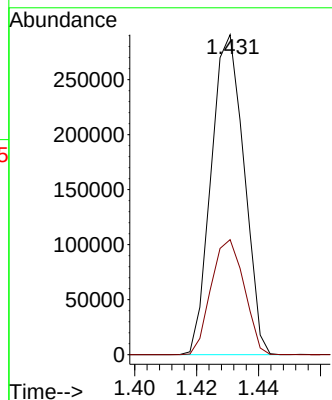
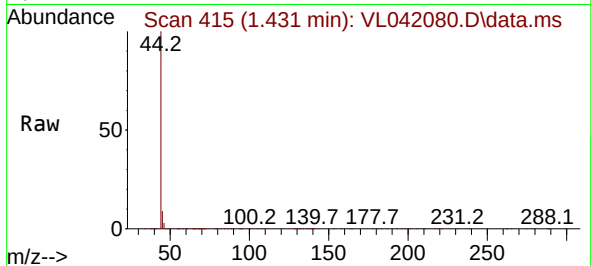




#13
Ethanol
Concen: 347.192 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.298 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

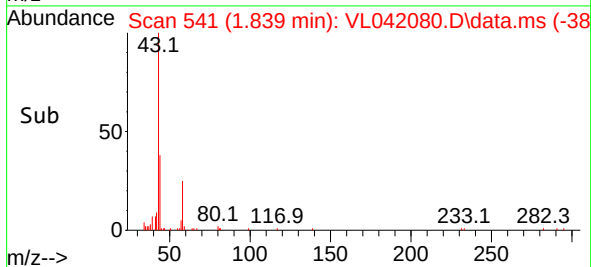
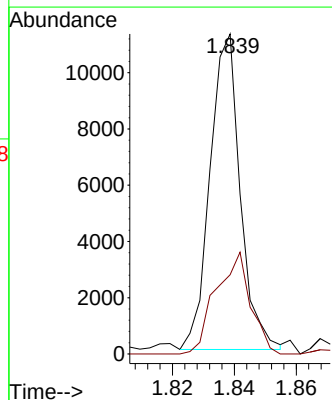
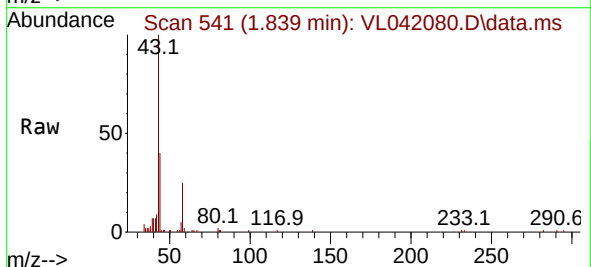
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

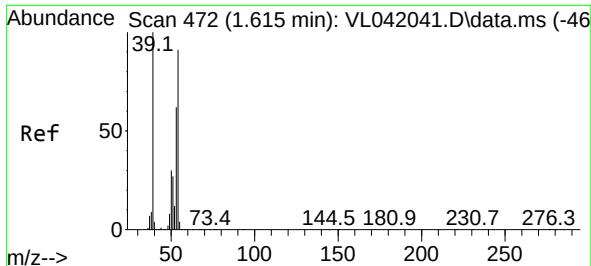
Tgt Ion: 45 Resp: 213873
Ion Ratio Lower Upper
45 100
46 36.2 17.1 68.3



#15
Acetone
Concen: 0.525 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

Tgt Ion: 43 Resp: 7593
Ion Ratio Lower Upper
43 100
58 38.2 20.7 31.1#

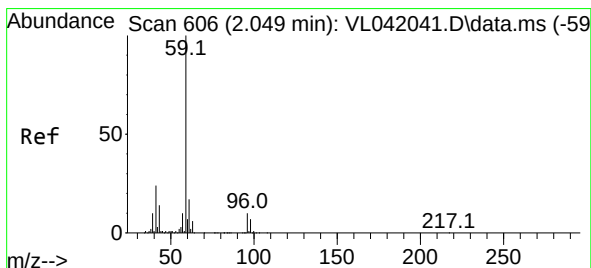
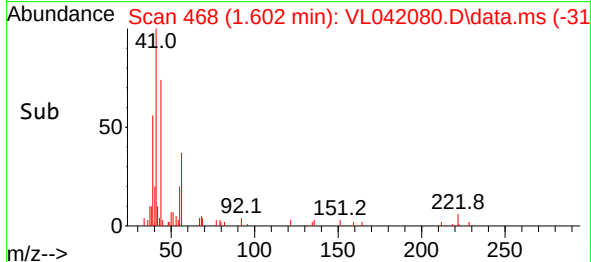
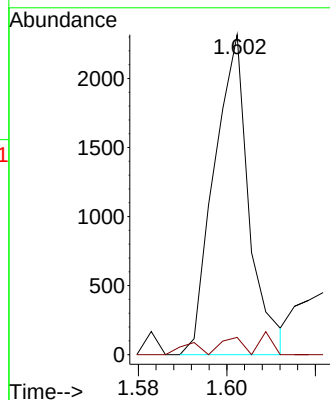
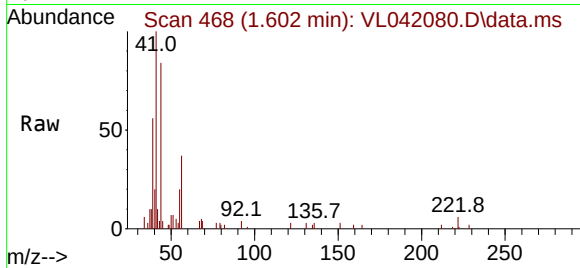




#16
1,3-Butadiene
Concen: 0.188 ppbv
RT: 1.602 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

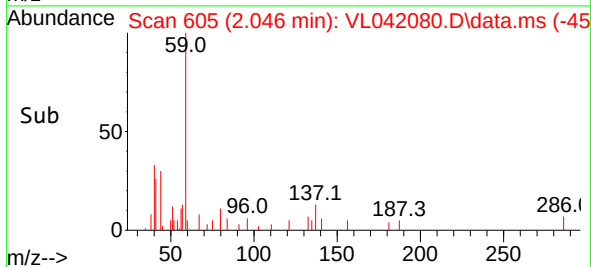
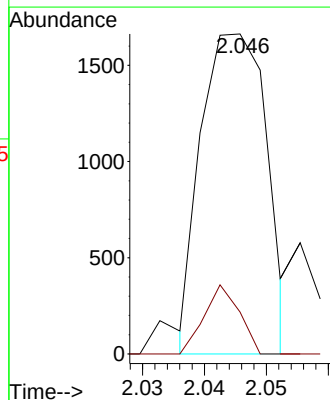
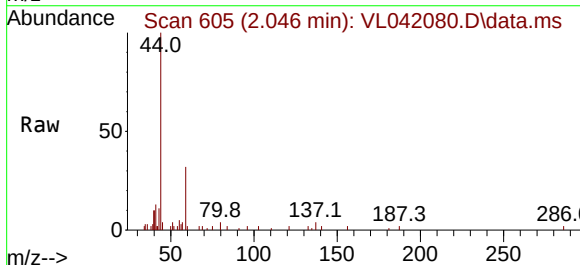
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

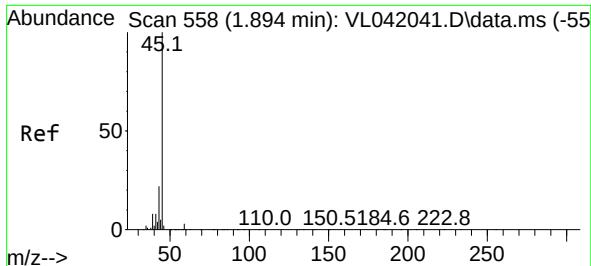
Tgt Ion: 39 Resp: 1269
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#



#17
tert-Butyl alcohol
Concen: 0.068 ppbv
RT: 2.046 min Scan# 605
Delta R.T. -0.003 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

Tgt Ion: 59 Resp: 1230
Ion Ratio Lower Upper
59 100
57 11.5 9.3 13.9

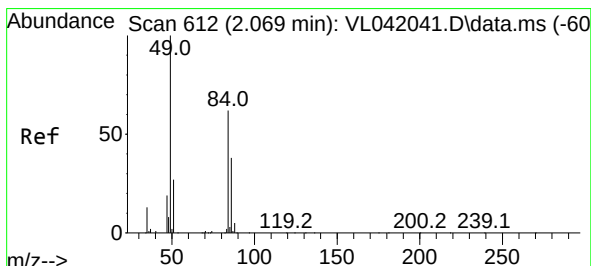
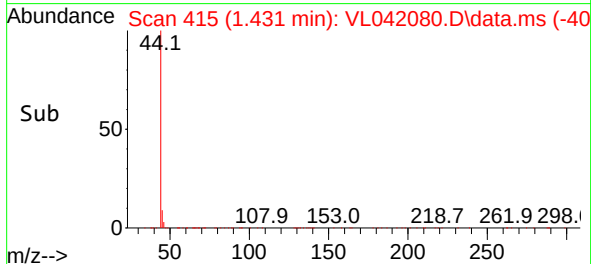
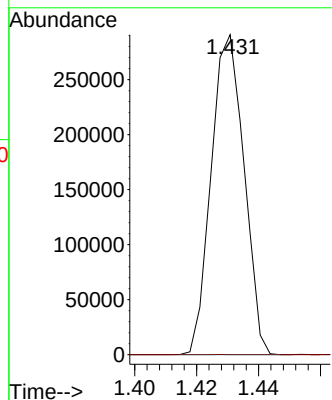
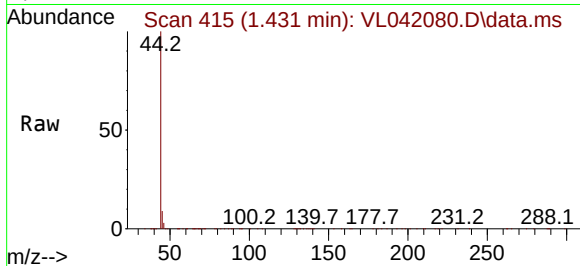




#19
Isopropyl Alcohol
Concen: 25.725 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.463 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

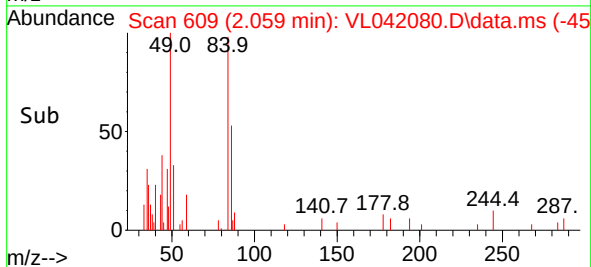
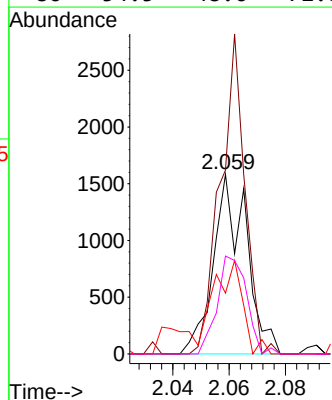
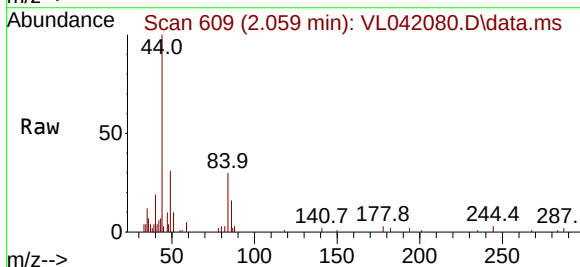
Instrument :
MSVOA_1
ClientSampleId :
SV3DL

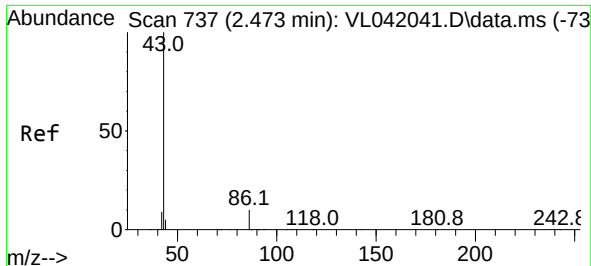
Tgt Ion: 45 Resp: 213873
Ion Ratio Lower Upper
45 100
58 0.0 35.3 52.9#



#20
Methylene Chloride
Concen: 0.235 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

Tgt Ion: 84 Resp: 1286
Ion Ratio Lower Upper
84 100
49 102.3 130.0 195.0#
51 33.9 37.4 56.0#
86 54.5 48.6 72.8

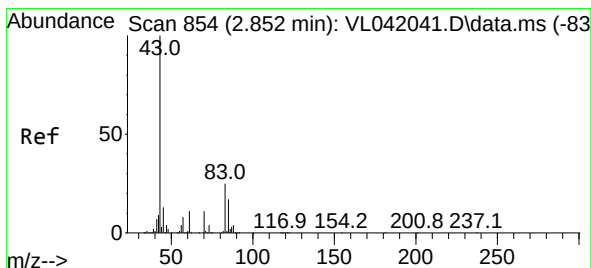
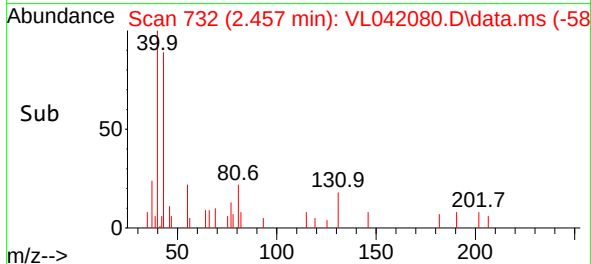
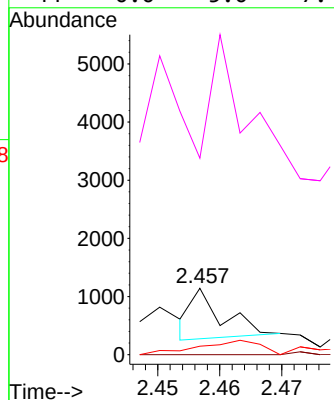
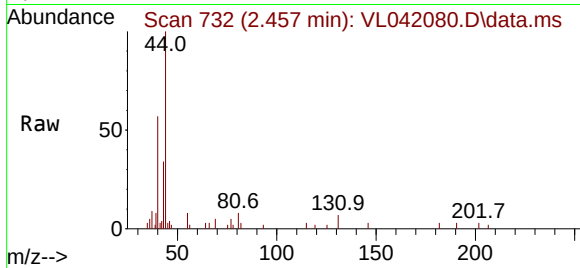




#23
 Vinyl Acetate
 Concen: 0.030 ppbv
 RT: 2.457 min Scan# 714
 Delta R.T. -0.016 min
 Lab File: VL042080.D
 Acq: 03 Mar 2025 16:53

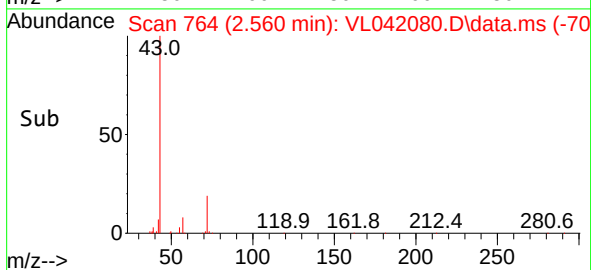
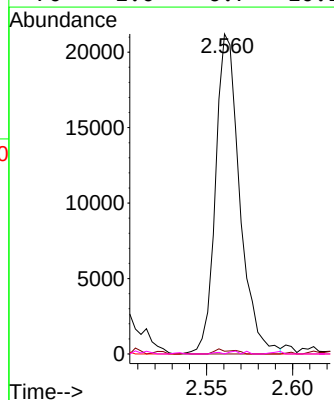
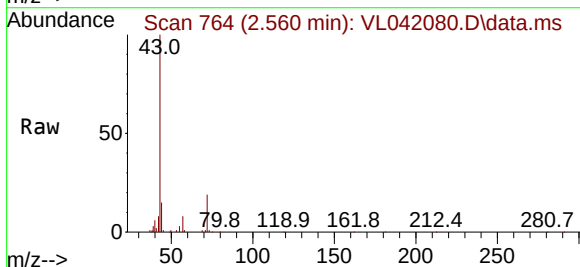
Instrument :
 MSVOA_L
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 SV3DL

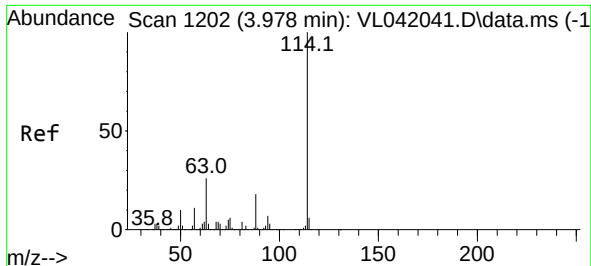
Tgt Ion:	43	Resp:	306
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.0	10.4#
42	18.8	7.6	11.4#
44	0.0	5.0	7.4#



#25
 Ethyl Acetate
 Concen: 0.358 ppbv
 RT: 2.560 min Scan# 764
 Delta R.T. -0.291 min
 Lab File: VL042080.D
 Acq: 03 Mar 2025 16:53

Tgt Ion:	43	Resp:	20729
Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.1	12.1#
61	0.0	7.2	10.8#
70	1.0	6.7	10.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.023 min

Lab File: VL042080.D

Acq: 03 Mar 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

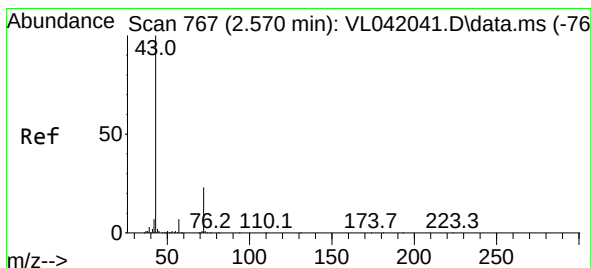
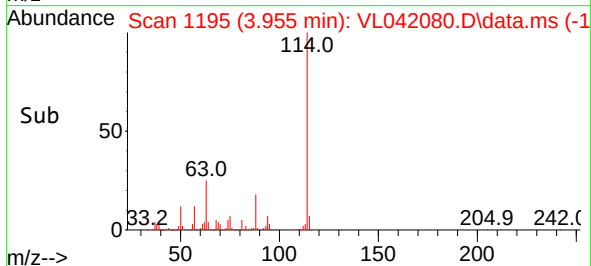
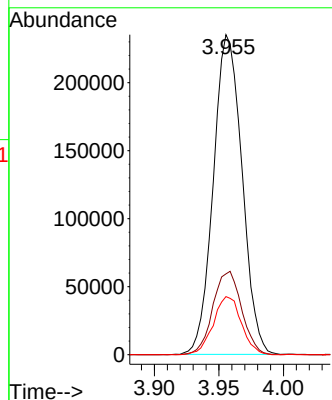
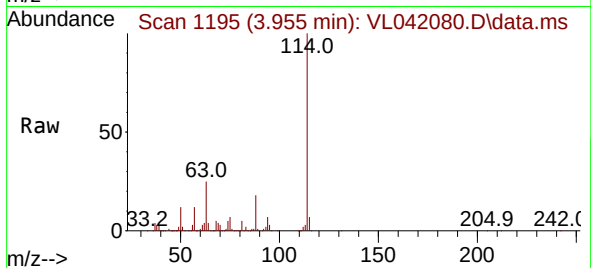
Tgt Ion:114 Resp: 363295

Ion Ratio Lower Upper

114 100

63 26.3 20.1 30.1

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 0.732 ppbv

RT: 2.560 min Scan# 764

Delta R.T. -0.010 min

Lab File: VL042080.D

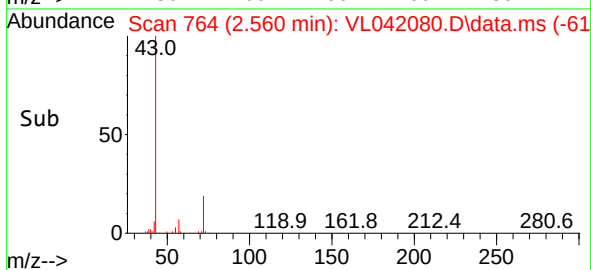
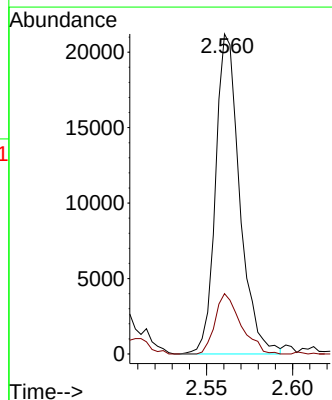
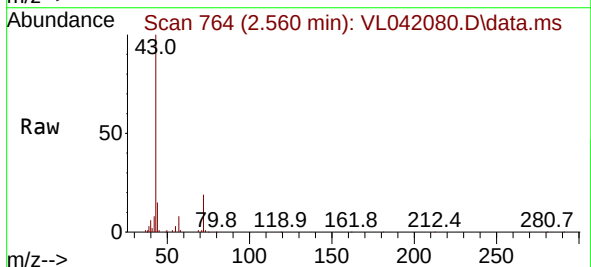
Acq: 03 Mar 2025 16:53

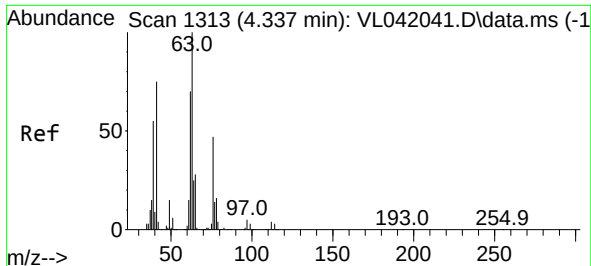
Tgt Ion: 43 Resp: 20729

Ion Ratio Lower Upper

43 100

72 20.3 18.5 27.7





#39

1,2-Dichloropropane

Concen: 6.594 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.379 min

Lab File: VL042080.D

Acq: 03 Mar 2025 16:53

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

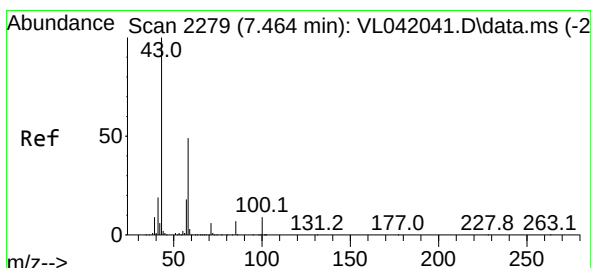
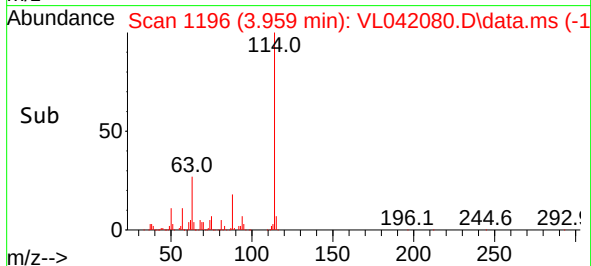
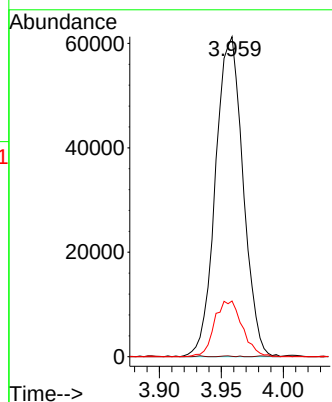
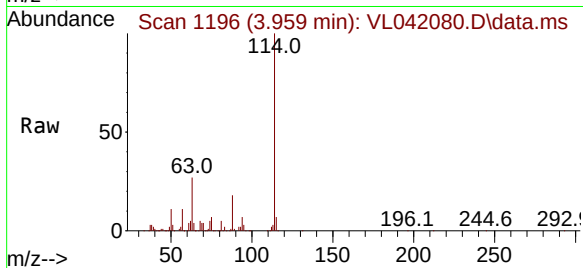
Tgt Ion: 63 Resp: 95181

Ion Ratio Lower Upper

63 100

41 0.1 60.1 90.1#

62 17.4 55.8 83.8#



#51

2-Hexanone

Concen: 0.031 ppbv

RT: 7.451 min Scan# 2275

Delta R.T. -0.013 min

Lab File: VL042080.D

Acq: 03 Mar 2025 16:53

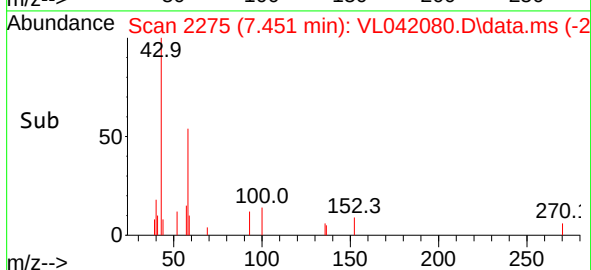
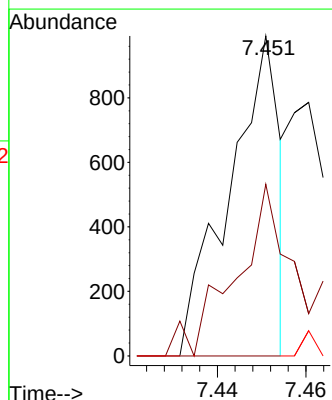
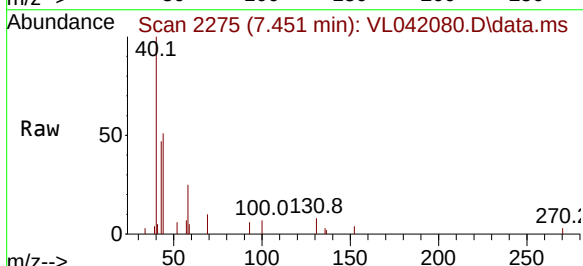
Tgt Ion: 43 Resp: 788

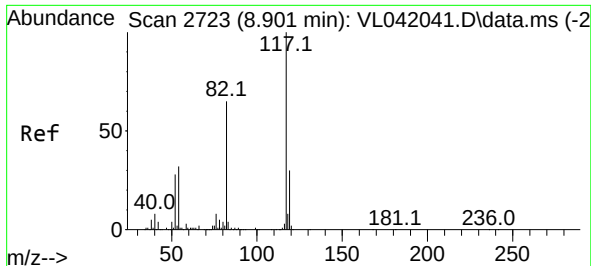
Ion Ratio Lower Upper

43 100

58 92.0 39.0 58.6#

98 0.0 0.1 0.1#

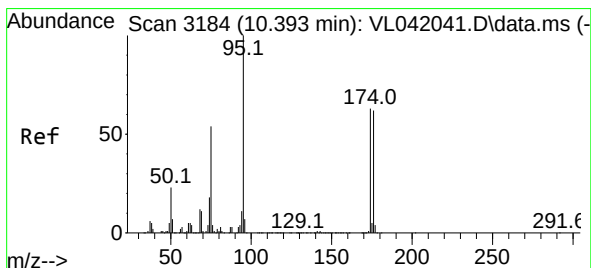
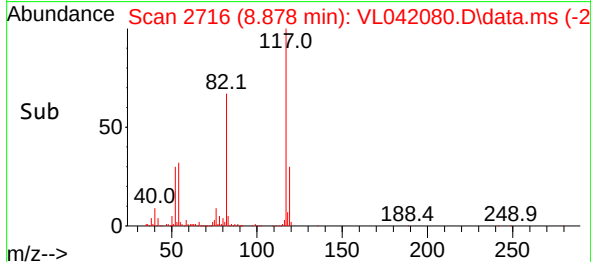
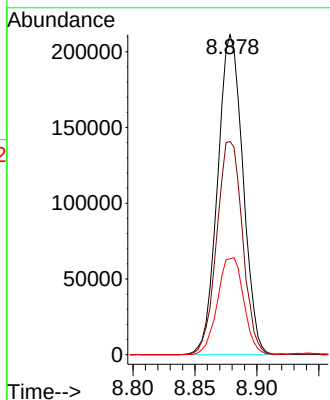
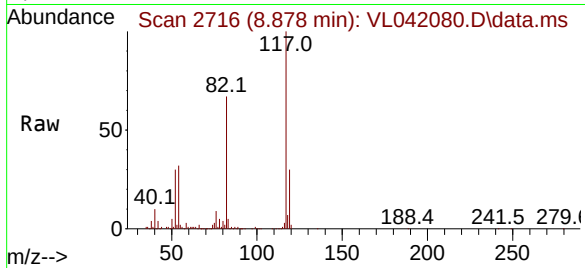




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion:117 Resp: 301214
Ion Ratio Lower Upper
117 100
82 68.1 55.0 82.6
119 31.5 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.488 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.020 min
Lab File: VL042080.D
Acq: 03 Mar 2025 16:53

Tgt Ion: 95 Resp: 219869
Ion Ratio Lower Upper
95 100
174 63.1 51.8 77.6
175 4.4 3.9 5.9

