

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042446.D
 Acq On : 29 Apr 2025 14:51
 Operator : SY/MD
 Sample : Q1908-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-3DL

Quant Time: Apr 30 01:21:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

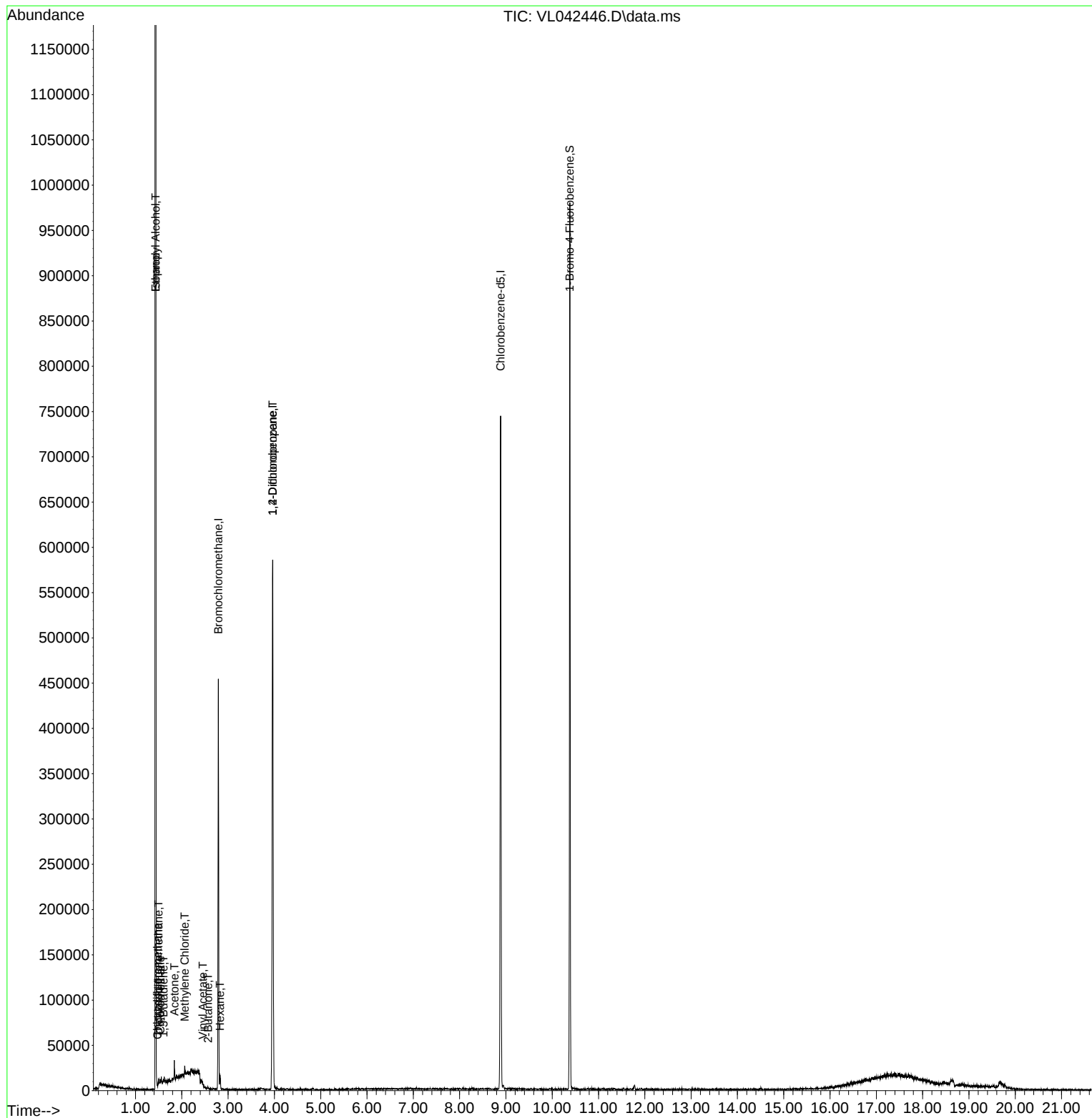
Internal Standards						
1) Bromochloromethane	2.790	49	113455	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	303124	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	255681	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	226776	10.794	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	1150	0.057	ppbv #	87
3) Chlorodifluoromethane	1.476	51	737	0.039	ppbv #	81
4) Chloromethane	1.534	50	625	0.079	ppbv	98
13) Ethanol	1.434	45	194405	140.702	ppbv #	54
15) Acetone	1.839	43	8923	0.480	ppbv	100
16) 1,3-Butadiene	1.606	39	519	0.058	ppbv #	9
19) Isopropyl Alcohol	1.434	45	194405	18.842	ppbv #	33
20) Methylene Chloride	2.062	84	1481	0.204	ppbv #	88
23) Vinyl Acetate	2.454	43	1217	0.162	ppbv #	1
26) Hexane	2.826	57	2338	0.126	ppbv #	32
34) 2-Butanone	2.567	43	1324	0.055	ppbv #	74
39) 1,2-Dichloropropane	3.962	63	89576	7.352	ppbv #	22

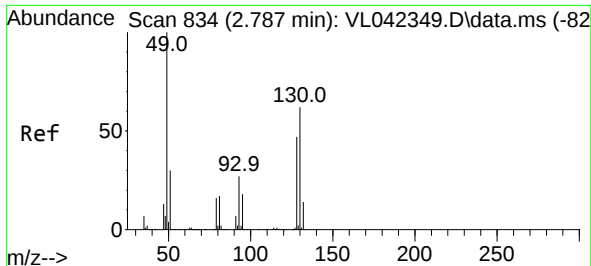
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 30 01:21:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

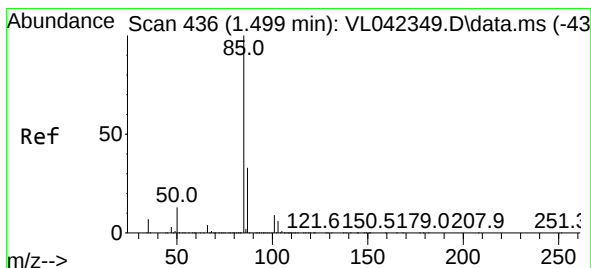
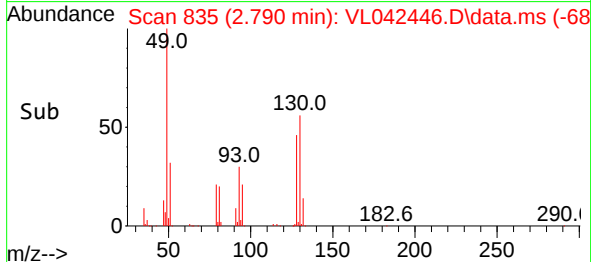
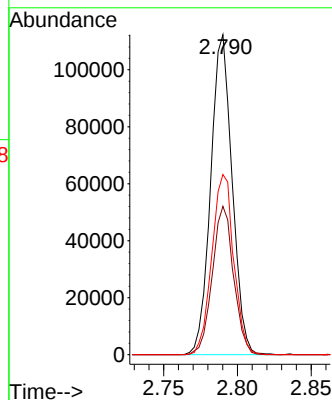
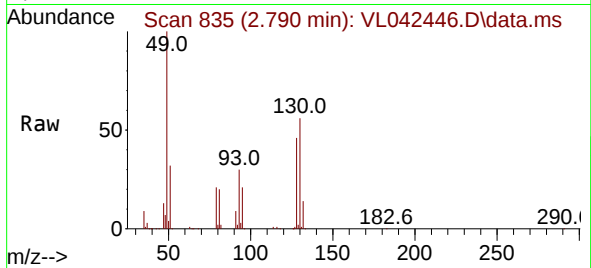




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042446.D
Acq: 29 Apr 2025 14:51

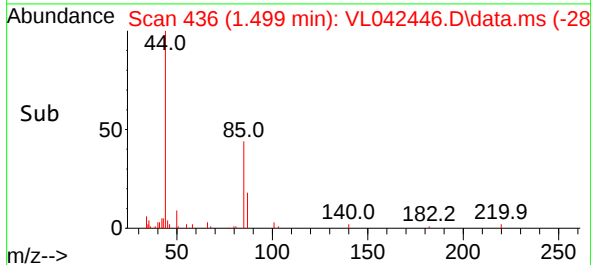
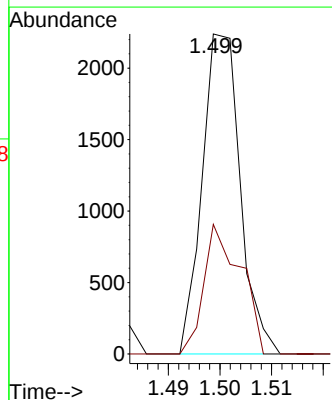
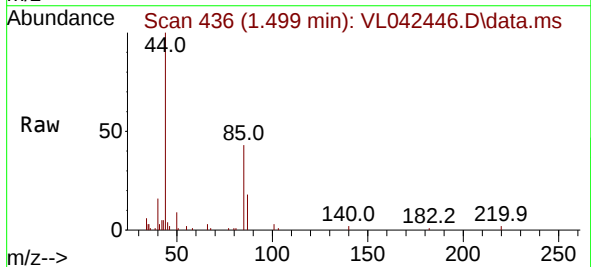
Instrument :
MSVOA_L
ClientSampleId :
B-3DL

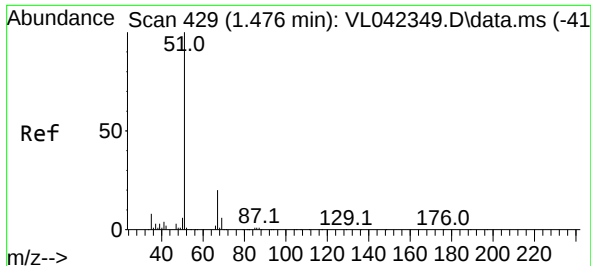
Tgt Ion: 49 Resp: 113455
Ion Ratio Lower Upper
49 100
128 46.0 22.8 68.4
130 57.6 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.057 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042446.D
Acq: 29 Apr 2025 14:51

Tgt Ion: 85 Resp: 1150
Ion Ratio Lower Upper
85 100
87 40.5 26.6 39.8#

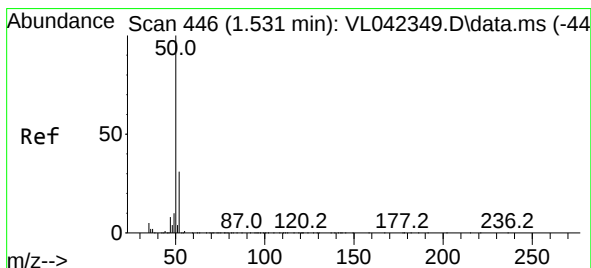
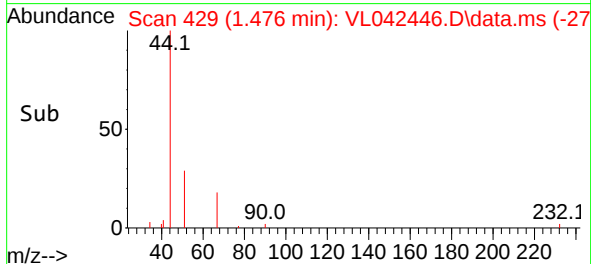
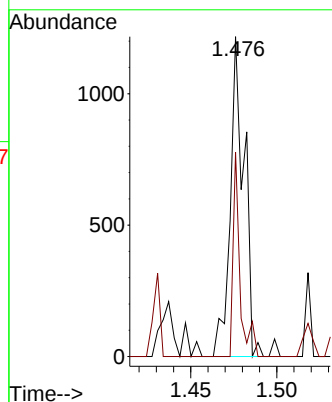
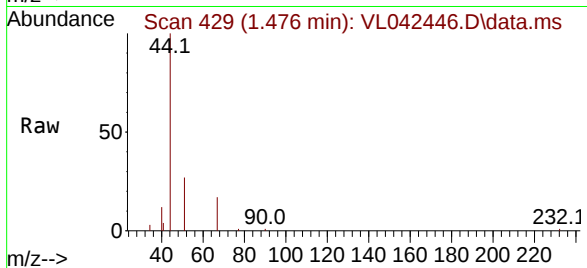




#3
Chlorodifluoromethane
Concen: 0.039 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042446.D
Acq: 29 Apr 2025 14:51

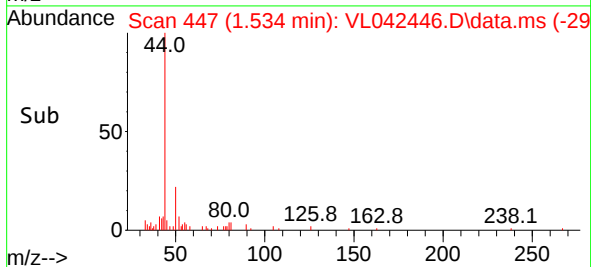
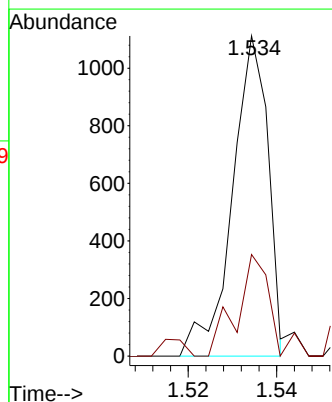
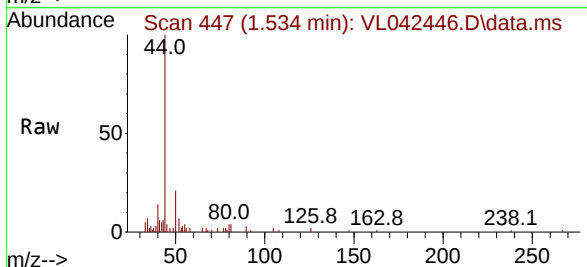
Instrument :
MSVOA_L
ClientSampleId :
B-3DL

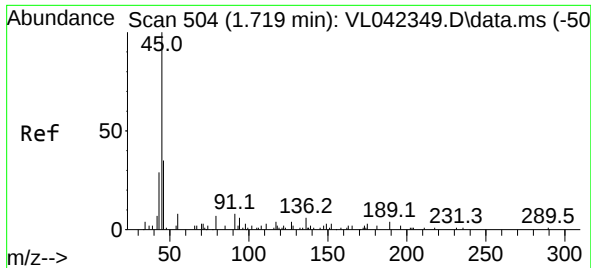
Tgt Ion: 51 Resp: 737
Ion Ratio Lower Upper
51 100
67 29.2 16.2 24.4#



#4
Chloromethane
Concen: 0.079 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042446.D
Acq: 29 Apr 2025 14:51

Tgt Ion: 50 Resp: 625
Ion Ratio Lower Upper
50 100
52 31.7 24.7 37.1

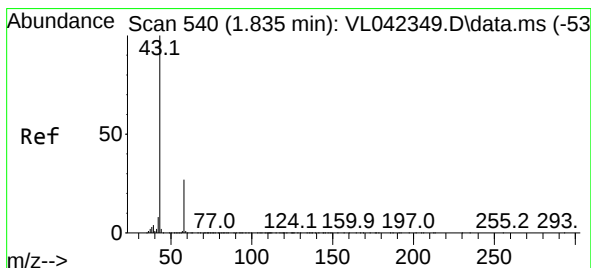
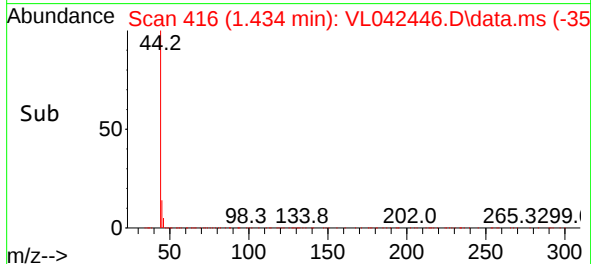
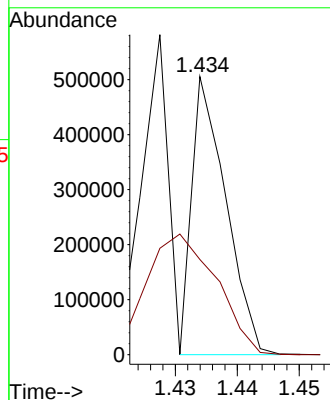
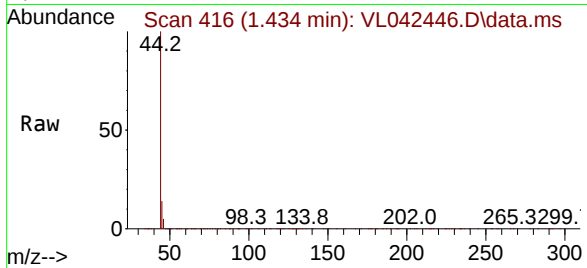




#13
Ethanol
Concen: 140.702 ppbv
RT: 1.434 min Scan# 41
Delta R.T. -0.285 min
Lab File: VL042446.D
Acq: 29 Apr 2025 14:51

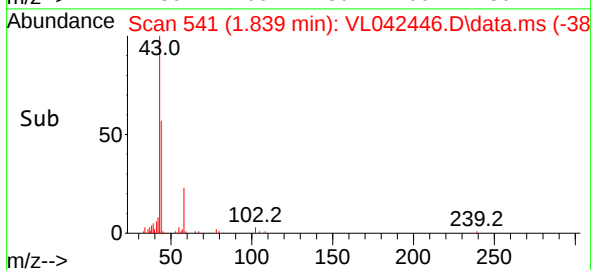
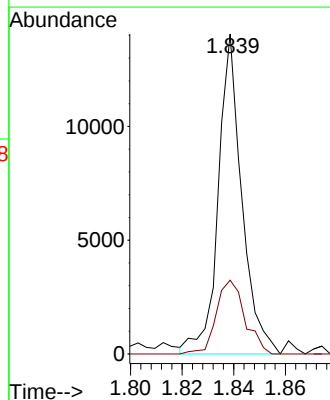
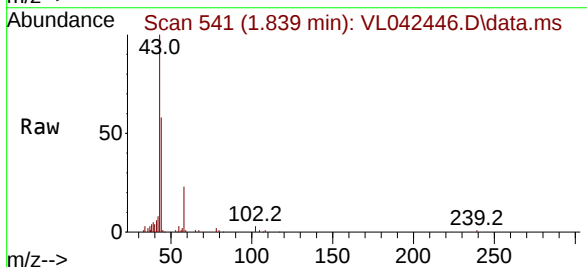
Instrument :
MSVOA_L
ClientSampleId :
B-3DL

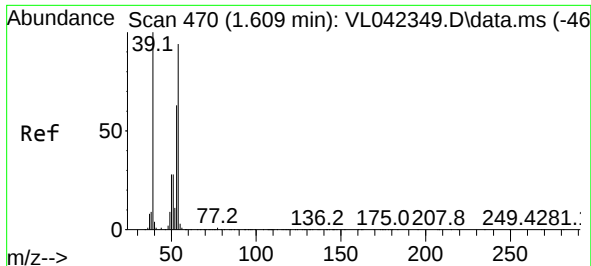
Tgt Ion: 45 Resp: 194405
Ion Ratio Lower Upper
45 100
46 87.9 21.9 87.7#



#15
Acetone
Concen: 0.480 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042446.D
Acq: 29 Apr 2025 14:51

Tgt Ion: 43 Resp: 8923
Ion Ratio Lower Upper
43 100
58 27.9 22.4 33.6





#16

1,3-Butadiene

Concen: 0.058 ppbv

RT: 1.606 min Scan# 416

Delta R.T. -0.003 min

Lab File: VL042446.D

Acq: 29 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

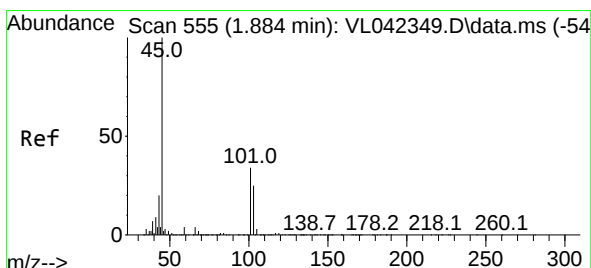
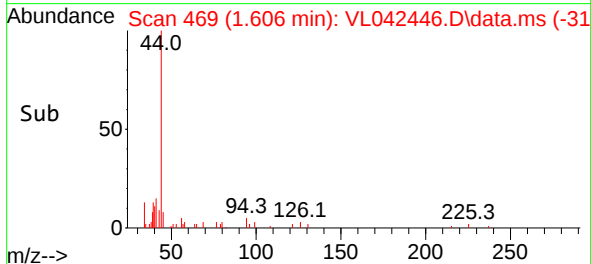
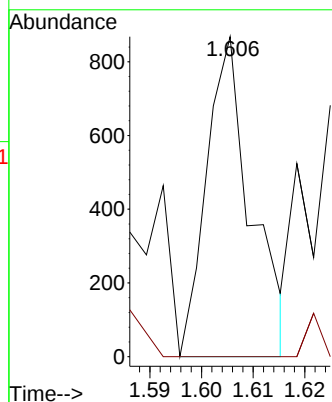
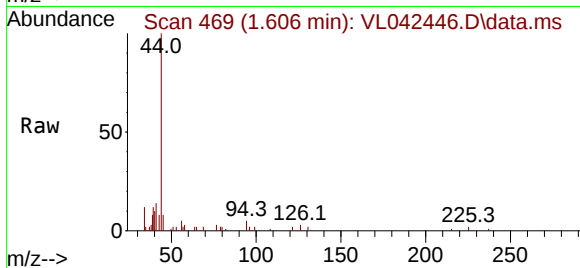
B-3DL

Tgt Ion: 39 Resp: 519

Ion Ratio Lower Upper

39 100

54 0.0 64.9 97.3#



#19

Isopropyl Alcohol

Concen: 18.842 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.450 min

Lab File: VL042446.D

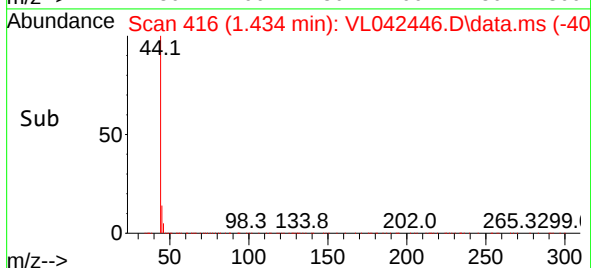
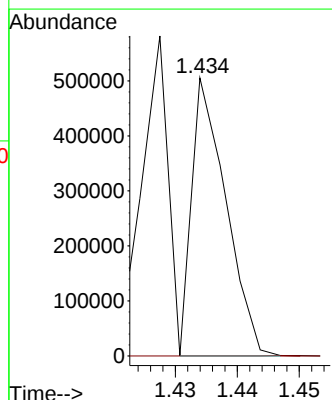
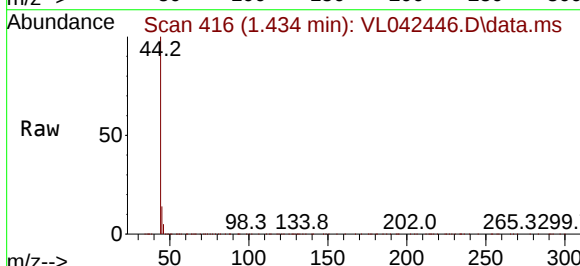
Acq: 29 Apr 2025 14:51

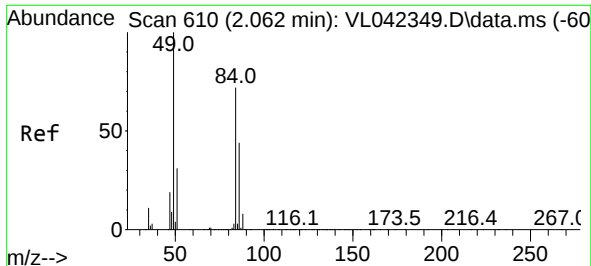
Tgt Ion: 45 Resp: 194405

Ion Ratio Lower Upper

45 100

58 0.1 34.5 51.7#





#20

Methylene Chloride

Concen: 0.204 ppbv

RT: 2.062 min Scan# 610

Delta R.T. -0.000 min

Lab File: VL042446.D

Acq: 29 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

B-3DL

Tgt Ion: 84 Resp: 1481

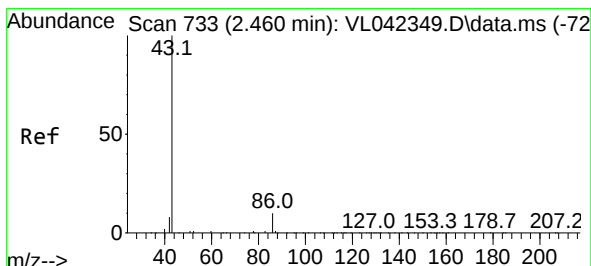
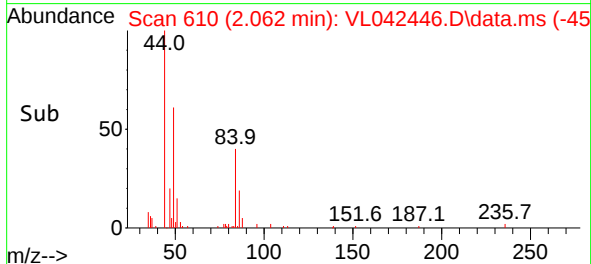
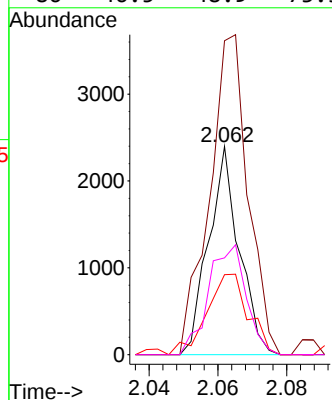
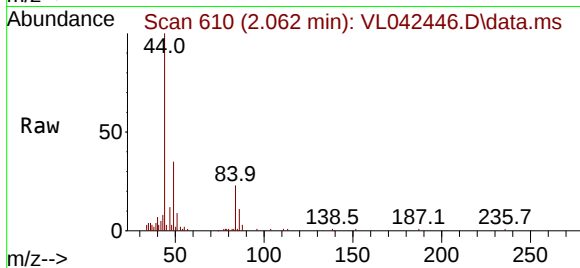
Ion Ratio Lower Upper

84 100

49 150.8 111.6 167.4

51 38.4 35.1 52.7

86 46.5 48.9 73.3#



#23

Vinyl Acetate

Concen: 0.162 ppbv

RT: 2.454 min Scan# 731

Delta R.T. -0.007 min

Lab File: VL042446.D

Acq: 29 Apr 2025 14:51

Tgt Ion: 43 Resp: 1217

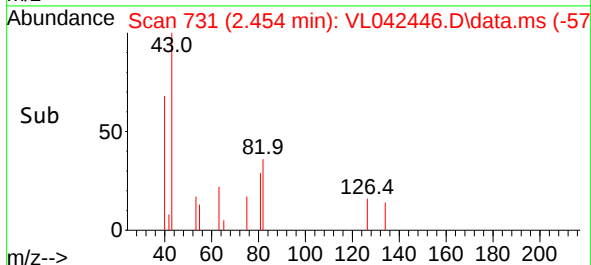
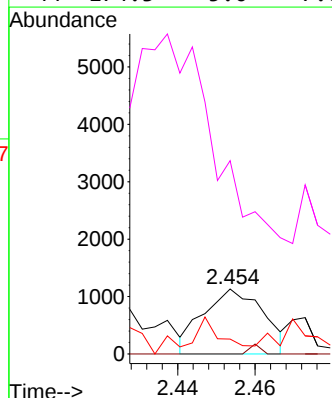
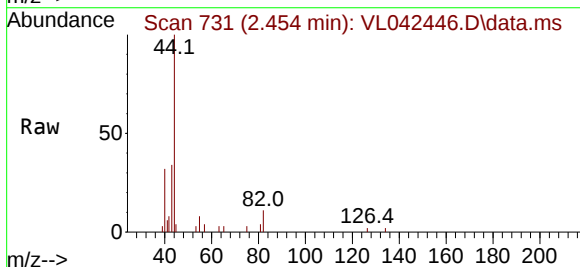
Ion Ratio Lower Upper

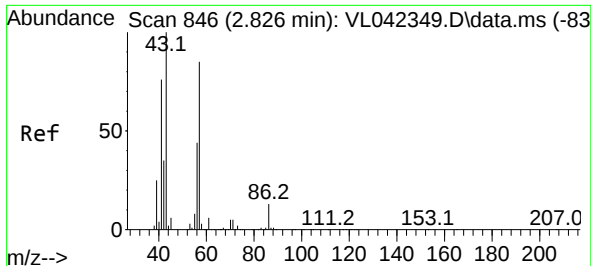
43 100

86 0.0 6.5 9.7#

42 16.4 7.8 11.8#

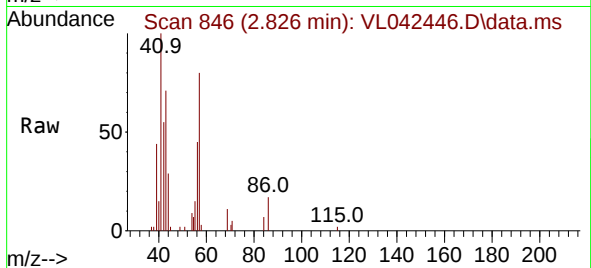
44 174.3 5.0 7.6#





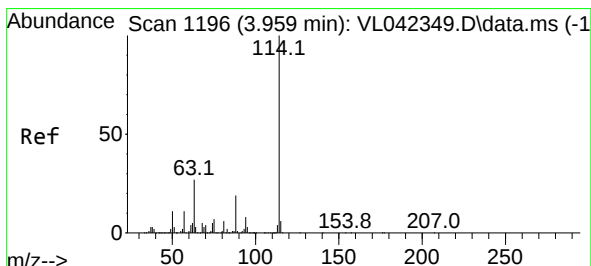
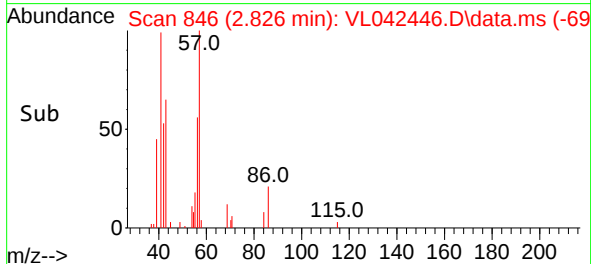
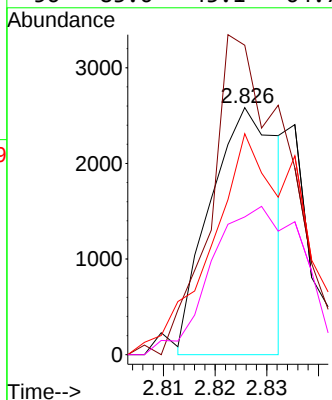
#26
Hexane
Concen: 0.126 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042446.D
Acq: 29 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
B-3DL



Tgt Ion: 57 Resp: 2338

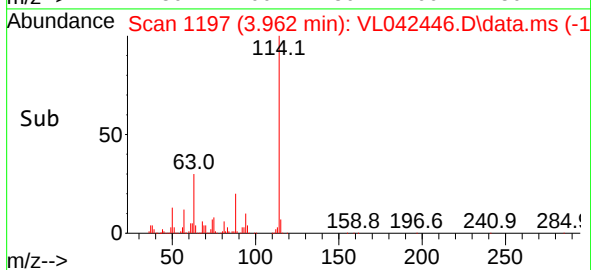
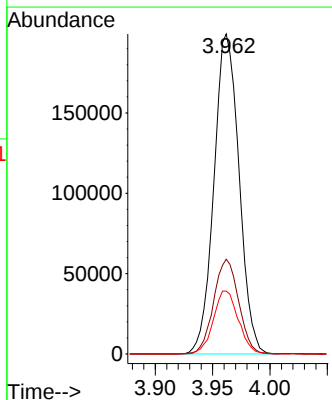
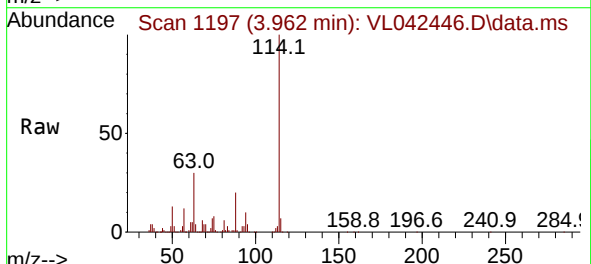
Ion	Ratio	Lower	Upper
57	100		
41	154.8	77.9	116.9#
43	123.6	208.4	312.6#
56	83.6	43.1	64.7#

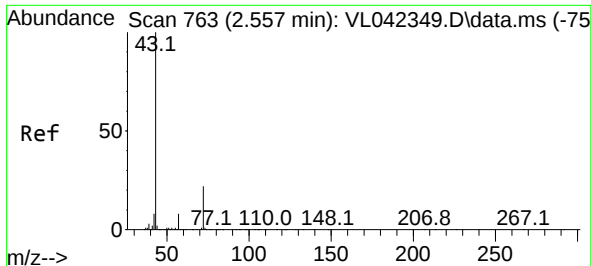


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.003 min
Lab File: VL042446.D
Acq: 29 Apr 2025 14:51

Tgt Ion: 114 Resp: 303124

Ion	Ratio	Lower	Upper
114	100		
63	29.6	21.8	32.6
88	19.6	15.5	23.3





#34

2-Butanone

Concen: 0.055 ppbv

RT: 2.567 min Scan# 7

Delta R.T. 0.010 min

Lab File: VL042446.D

Acq: 29 Apr 2025 14:51

Instrument :

MSVOA_L

ClientSampleId :

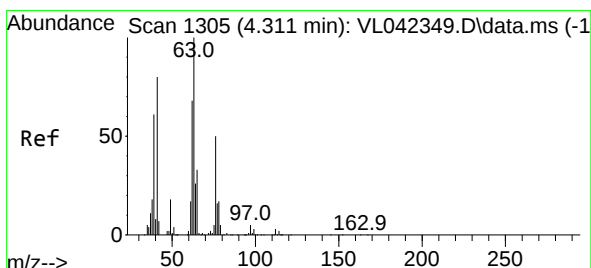
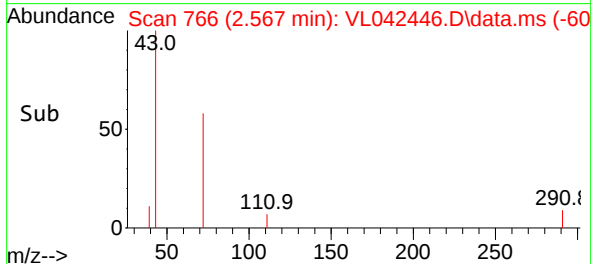
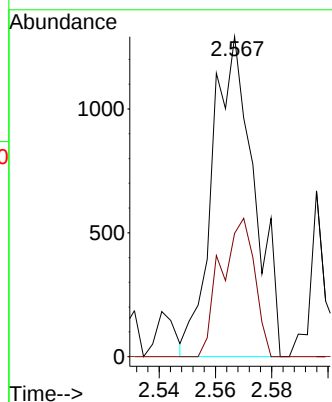
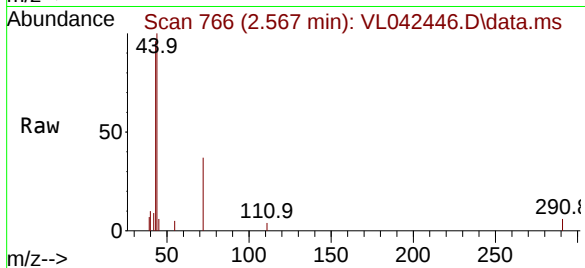
B-3DL

Tgt Ion: 43 Resp: 1324

Ion Ratio Lower Upper

43 100

72 35.0 18.2 27.2#



#39

1,2-Dichloropropane

Concen: 7.352 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.350 min

Lab File: VL042446.D

Acq: 29 Apr 2025 14:51

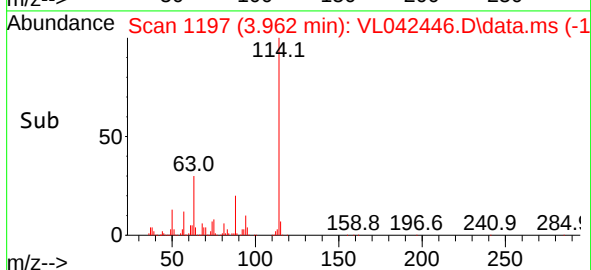
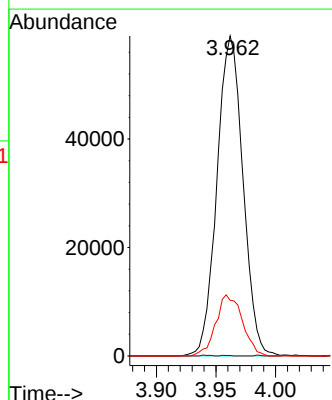
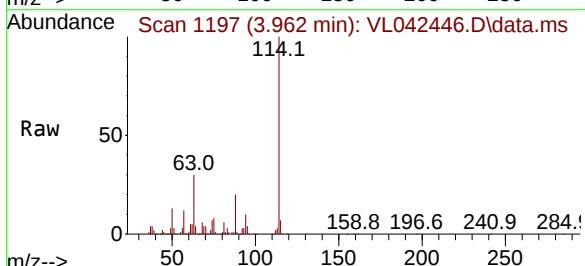
Tgt Ion: 63 Resp: 89576

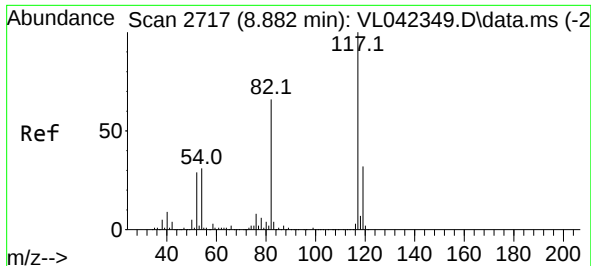
Ion Ratio Lower Upper

63 100

41 0.2 64.2 96.2#

62 17.4 54.3 81.5#

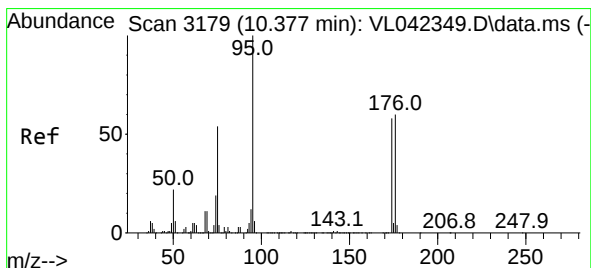
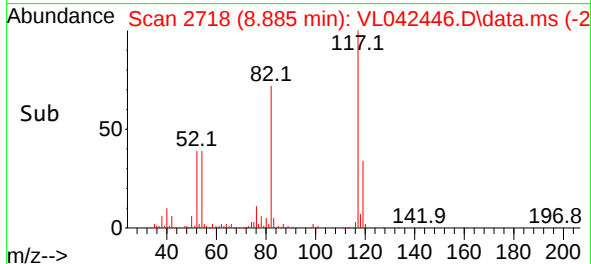
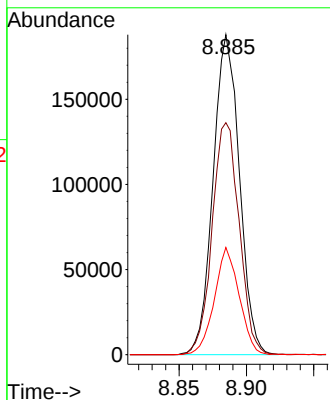
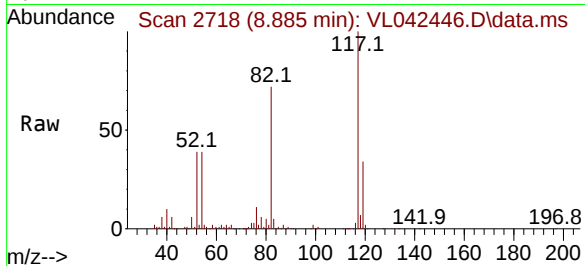




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042446.D
Acq: 29 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
B-3DL

Tgt Ion:117 Resp: 255681
Ion Ratio Lower Upper
117 100
82 74.4 57.8 86.6
119 31.6 25.2 37.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.794 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042446.D
Acq: 29 Apr 2025 14:51

Tgt Ion: 95 Resp: 226776
Ion Ratio Lower Upper
95 100
174 50.8 48.5 72.7
175 3.7 3.7 5.5

