

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042396.D
 Acq On : 21 Apr 2025 09:28
 Operator : SY/MD
 Sample : VL0421ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABL01

Quant Time: Apr 22 02:50:57 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)

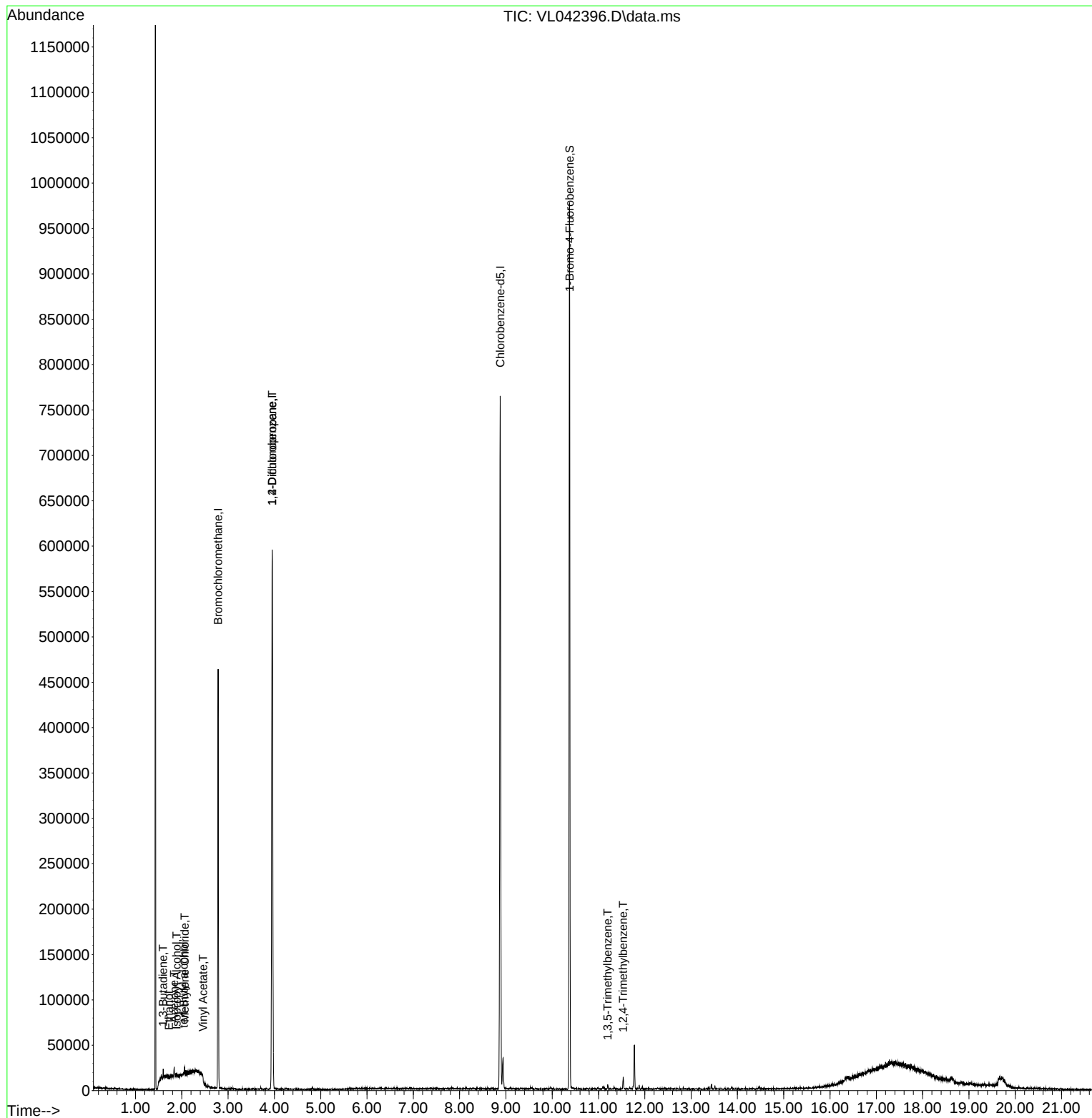
Internal Standards							
1) Bromochloromethane		2.784	49	120411	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		3.952	114	341628	10.000	ppbv	0.00
55) Chlorobenzene-d5		8.878	117	293743	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.374	95	252683	10.468	ppbv	0.00
Spiked Amount		10.000	Range 65 - 135		Recovery	= 104.700%	
Target Compounds							
							Qvalue
13) Ethanol		1.722	45	297	0.203	ppbv	# 24
15) Acetone		1.835	43	4324	0.219	ppbv	92
16) 1,3-Butadiene		1.596	39	1378	0.146	ppbv	88
17) tert-Butyl alcohol		2.042	59	879	0.036	ppbv	# 1
19) Isopropyl Alcohol		1.887	45	917	0.084	ppbv	# 79
20) Methylene Chloride		2.062	84	1461	0.189	ppbv	# 75
23) Vinyl Acetate		2.457	43	746	0.093	ppbv	# 1
39) 1,2-Dichloropropane		3.952	63	95281	6.939	ppbv	# 24
73) 1,3,5-Trimethylbenzene		11.199	105	1538	0.030	ppbv	# 53
74) 1,2,4-Trimethylbenzene		11.532	105	3988	0.067	ppbv	# 70

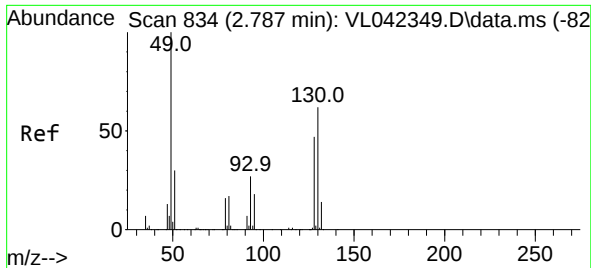
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VL0421ABL01

Quant Time: Apr 22 02:50:57 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

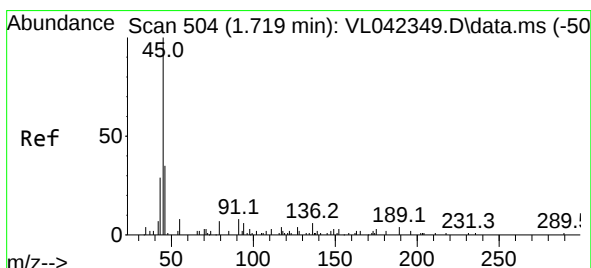
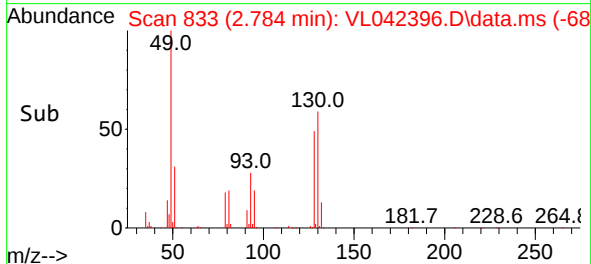
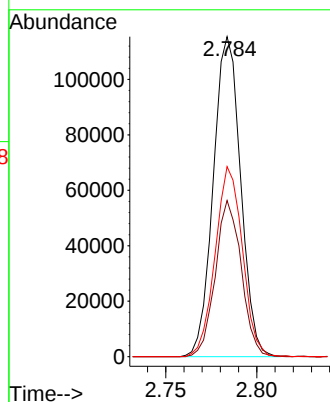
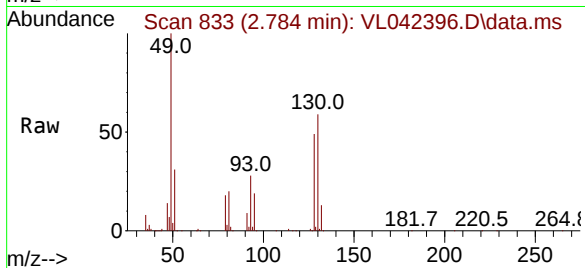




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

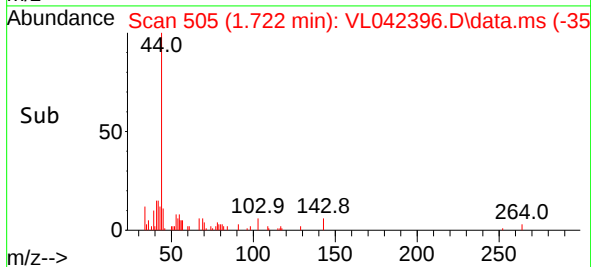
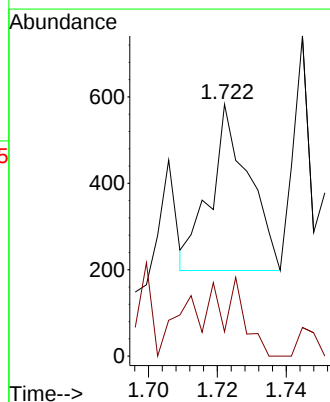
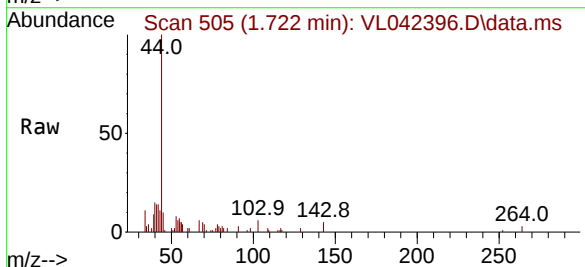
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABL01

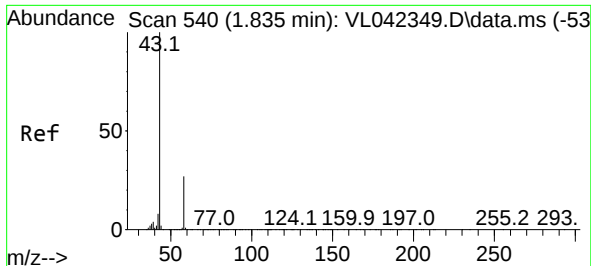
Tgt Ion: 49 Resp: 120411
Ion Ratio Lower Upper
49 100
128 46.4 22.8 68.4
130 59.3 29.3 88.0



#13
Ethanol
Concen: 0.203 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

Tgt Ion: 45 Resp: 297
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7#

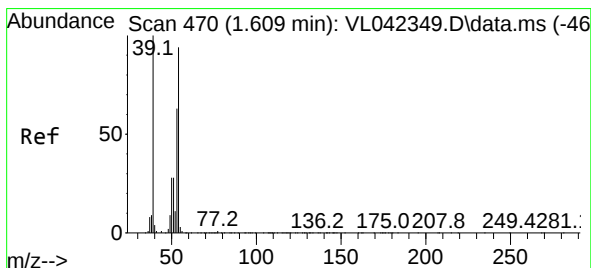
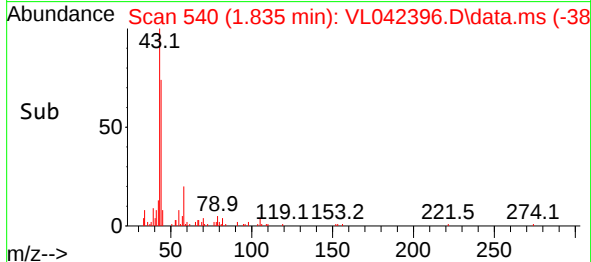
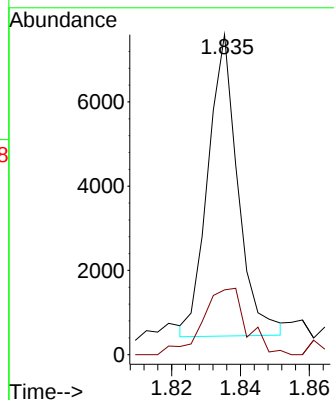
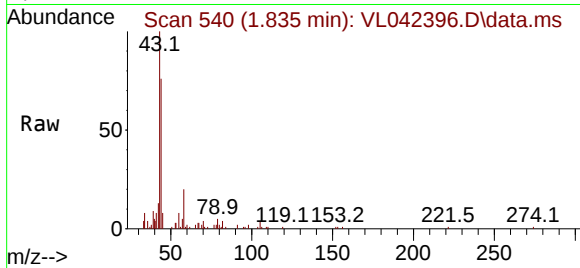




#15
Acetone
Concen: 0.219 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

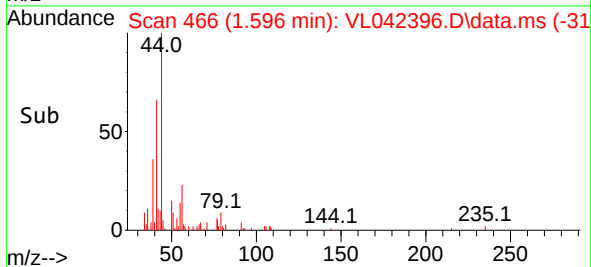
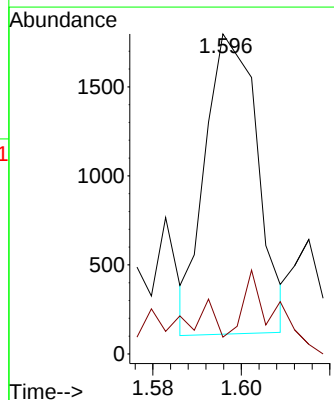
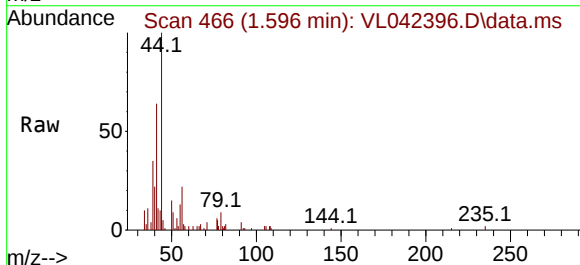
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABL01

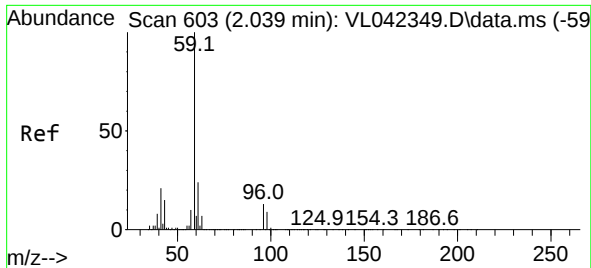
Tgt Ion: 43 Resp: 4324
Ion Ratio Lower Upper
43 100
58 32.3 22.4 33.6



#16
1,3-Butadiene
Concen: 0.146 ppbv
RT: 1.596 min Scan# 466
Delta R.T. -0.013 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

Tgt Ion: 39 Resp: 1378
Ion Ratio Lower Upper
39 100
54 70.1 64.9 97.3

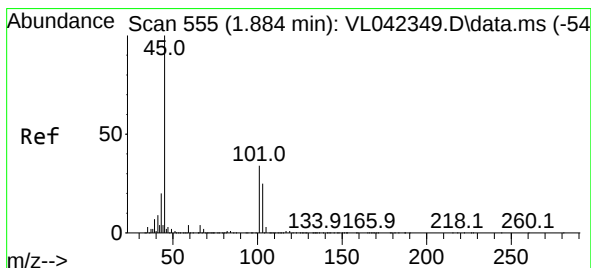
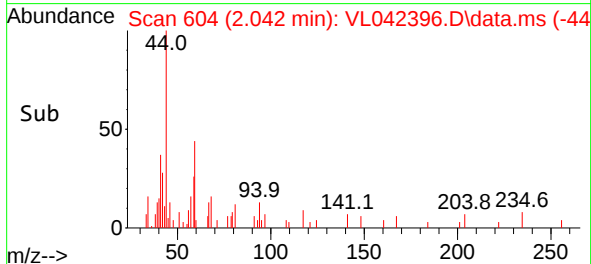
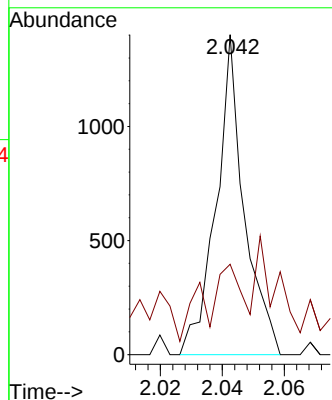
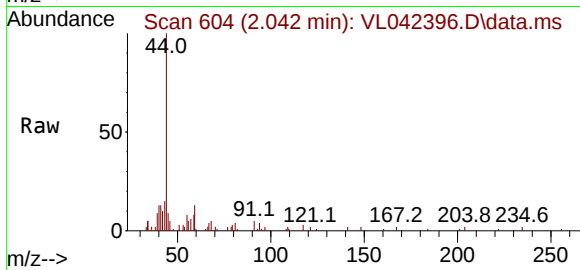




#17
tert-Butyl alcohol
Concen: 0.036 ppbv
RT: 2.042 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

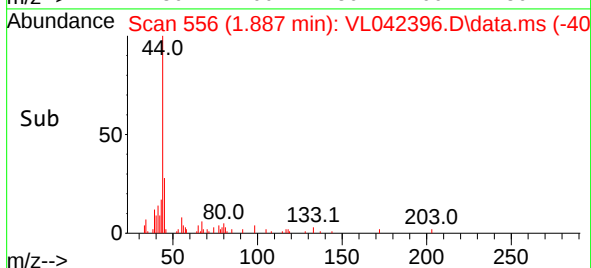
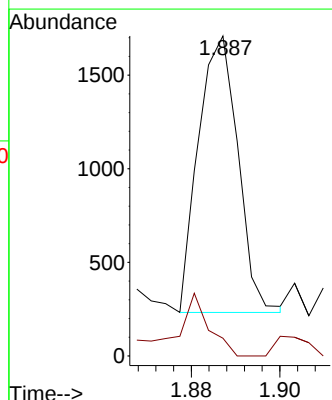
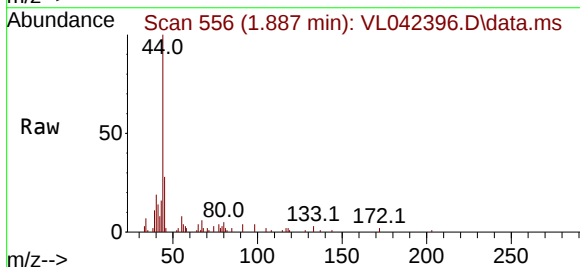
Instrument :
MSVOA_1
ClientSampleId :
VL0421ABL01

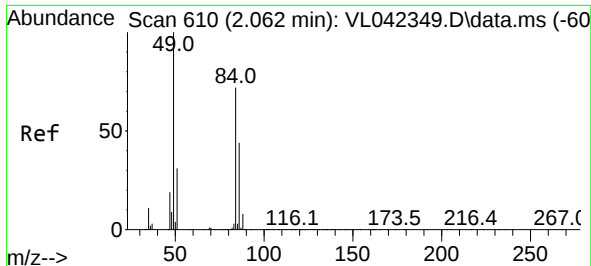
Tgt Ion: 59 Resp: 879
Ion Ratio Lower Upper
59 100
57 114.3 8.7 13.1#



#19
Isopropyl Alcohol
Concen: 0.084 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

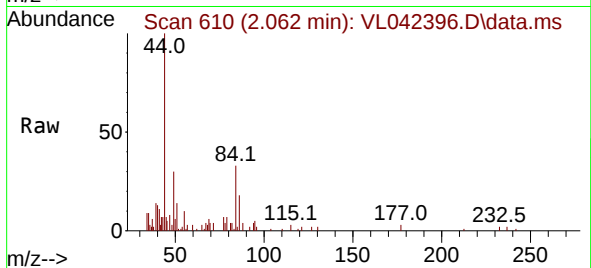
Tgt Ion: 45 Resp: 917
Ion Ratio Lower Upper
45 100
58 29.7 34.5 51.7#



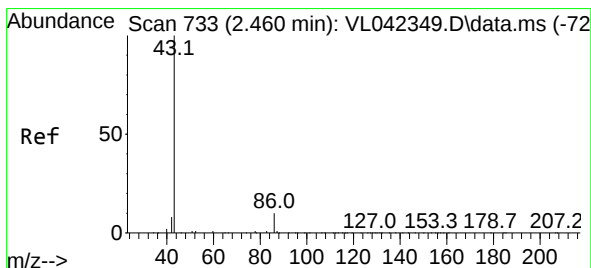
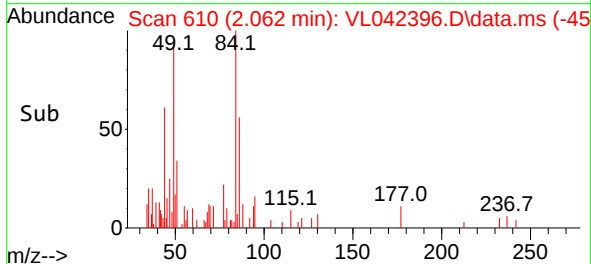
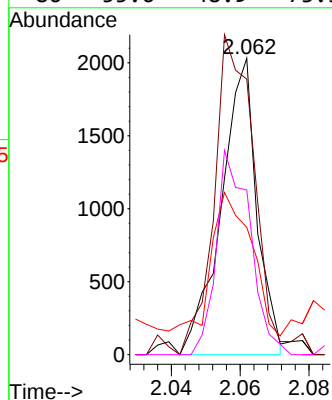


#20
Methylene Chloride
Concen: 0.189 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

Instrument :
MSVOA_L
ClientSampleId :
VL0421ABL01

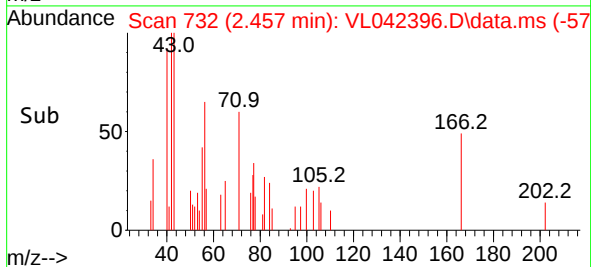
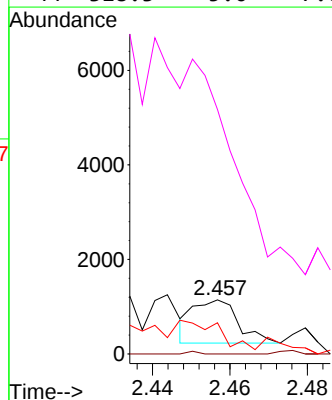
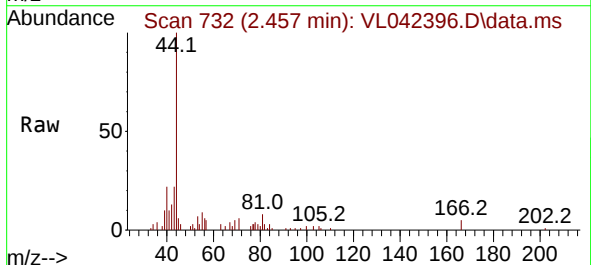


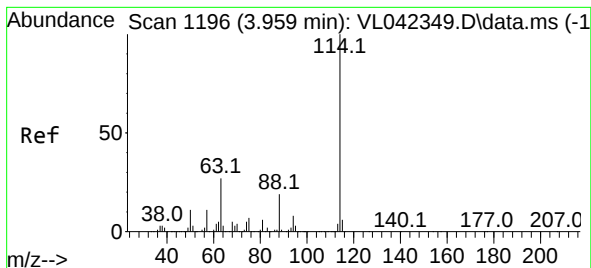
Tgt Ion: 84 Resp: 1461
Ion Ratio Lower Upper
84 100
49 93.0 111.6 167.4#
51 39.1 35.1 52.7
86 55.6 48.9 73.3



#23
Vinyl Acetate
Concen: 0.093 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.003 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
86 0.0 6.5 9.7#
42 47.5 7.8 11.8#
44 318.3 5.0 7.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.007 min

Lab File: VL042396.D

Acq: 21 Apr 2025 09:28

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABL01

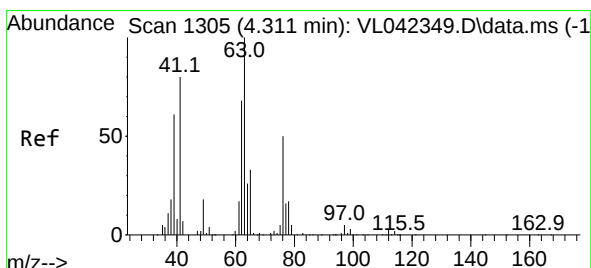
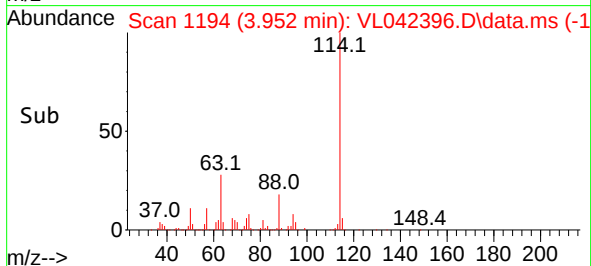
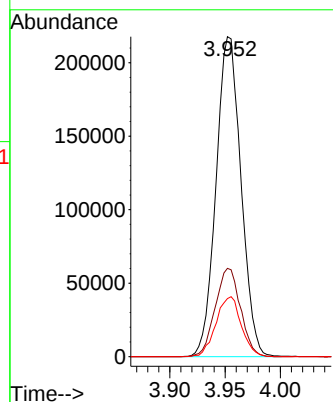
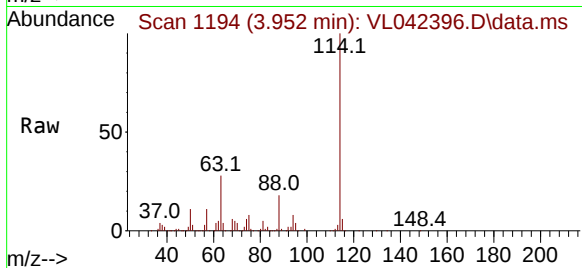
Tgt Ion:114 Resp: 341628

Ion Ratio Lower Upper

114 100

63 27.9 21.8 32.6

88 19.0 15.5 23.3



#39

1,2-Dichloropropane

Concen: 6.939 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.359 min

Lab File: VL042396.D

Acq: 21 Apr 2025 09:28

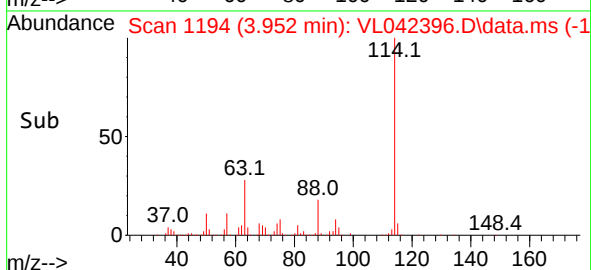
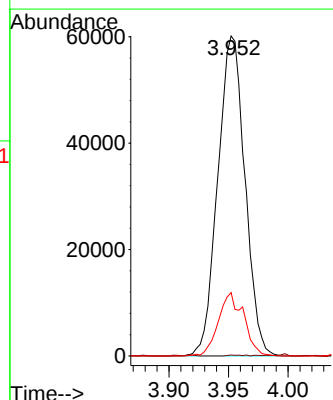
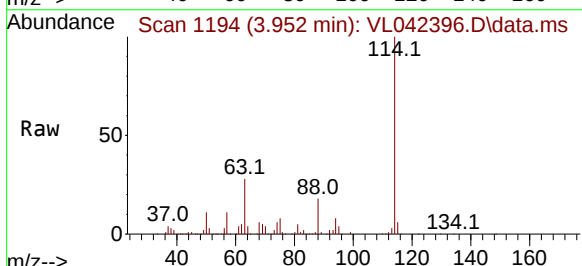
Tgt Ion: 63 Resp: 95281

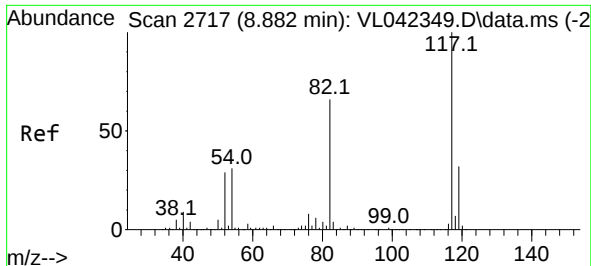
Ion Ratio Lower Upper

63 100

41 0.3 64.2 96.2#

62 19.8 54.3 81.5#

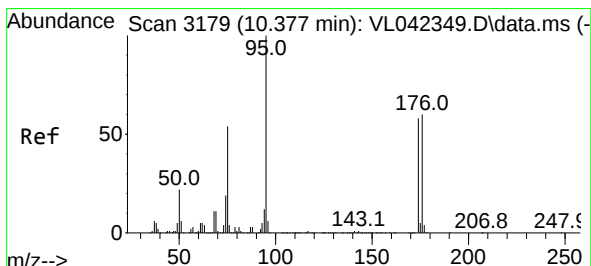
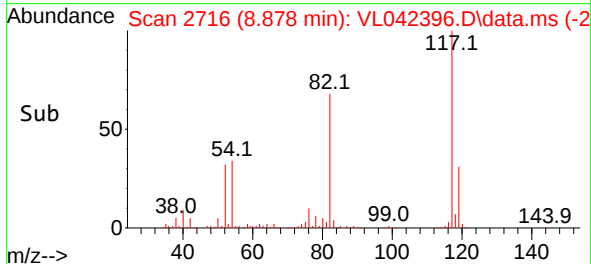
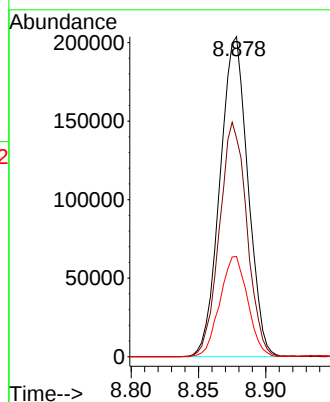
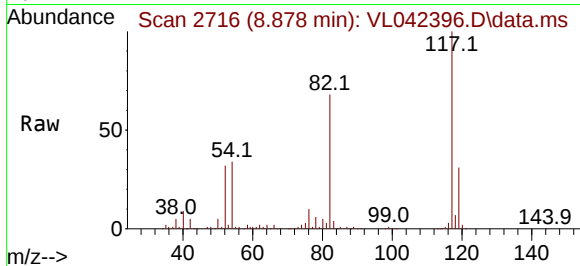




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

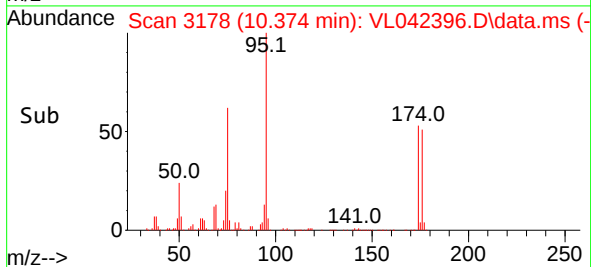
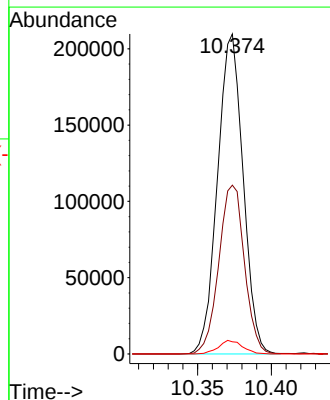
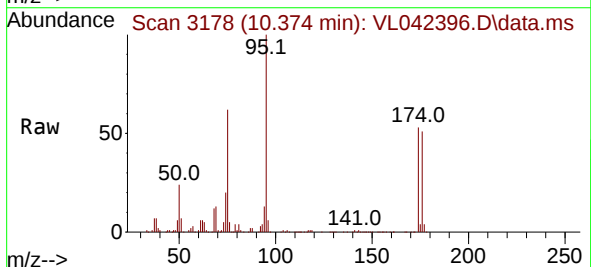
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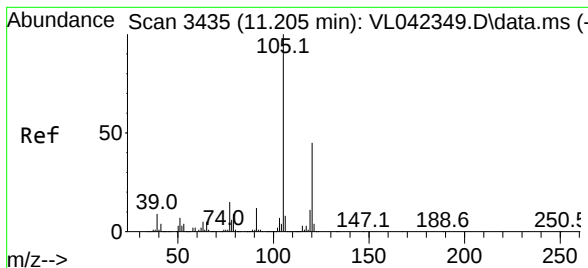
Tgt Ion:117 Resp: 293743
Ion Ratio Lower Upper
117 100
82 72.2 57.8 86.6
119 31.3 25.2 37.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.468 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042396.D
Acq: 21 Apr 2025 09:28

Tgt Ion: 95 Resp: 252683
Ion Ratio Lower Upper
95 100
174 53.1 48.5 72.7
175 4.0 3.7 5.5





#73

1,3,5-Trimethylbenzene

Concen: 0.030 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.007 min

Lab File: VL042396.D

Acq: 21 Apr 2025 09:28

Instrument :

MSVOA_1

ClientSampleId :

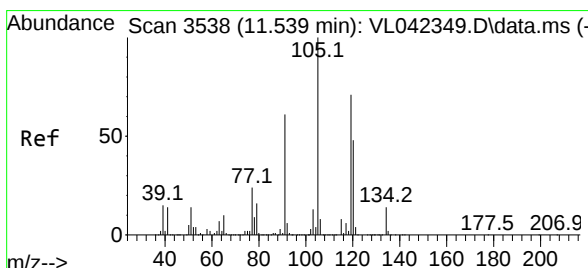
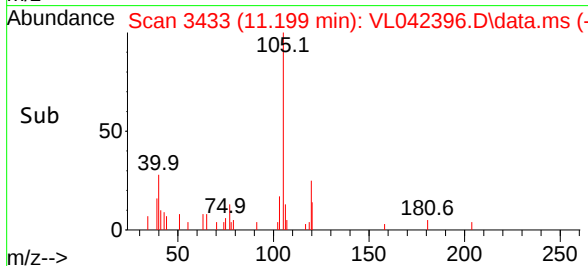
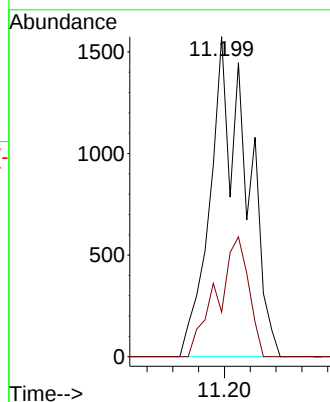
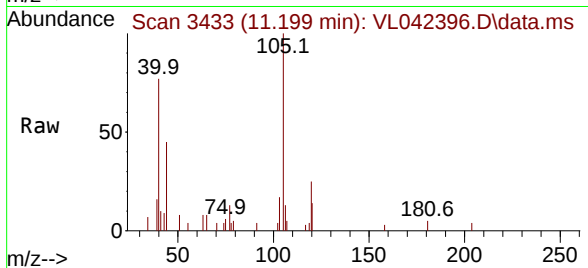
VL0421ABL01

Tgt Ion:105 Resp: 1538

Ion Ratio Lower Upper

105 100

120 14.0 35.6 53.4#



#74

1,2,4-Trimethylbenzene

Concen: 0.067 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.007 min

Lab File: VL042396.D

Acq: 21 Apr 2025 09:28

Tgt Ion:105 Resp: 3988

Ion Ratio Lower Upper

105 100

120 45.1 38.1 57.1

91 14.3 48.8 73.2#

77 22.7 19.0 28.4

