

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042587.D
 Acq On : 29 May 2025 16:50
 Operator : SY/MD
 Sample : VL052925ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABL01

Quant Time: May 30 02:20:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

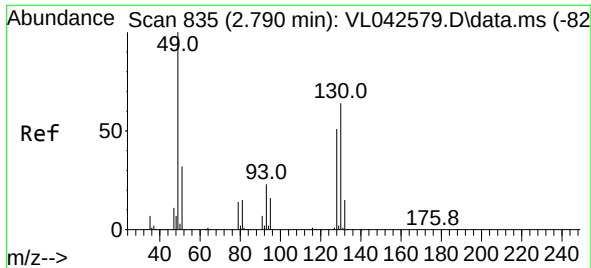
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.797	49	102651	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	295997	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	264969	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	199114	10.025	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%
Target Compounds						
					Qvalue	
9) Propene	1.492	41	216	0.031	ppbv #	76
13) Ethanol	1.725	45	272	0.326	ppbv #	39
15) Acetone	1.842	43	2744	0.222	ppbv	100
16) 1,3-Butadiene	1.602	39	566	0.097	ppbv #	21
17) tert-Butyl alcohol	2.052	59	1609	0.125	ppbv #	50
19) Isopropyl Alcohol	1.893	45	393	0.053	ppbv #	38
20) Methylene Chloride	2.068	84	995	0.244	ppbv #	86
39) 1,2-Dichloropropane	3.971	63	70736	6.562	ppbv #	23
74) 1,2,4-Trimethylbenzene	11.545	105	2567	0.064	ppbv #	65
80) Naphthalene,2-methyl-	14.478	142	1239	0.072	ppbv #	95
81) 1,2,4-Trichlorobenzene	13.455	180	890	0.042	ppbv #	92

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

Quant Time: May 30 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

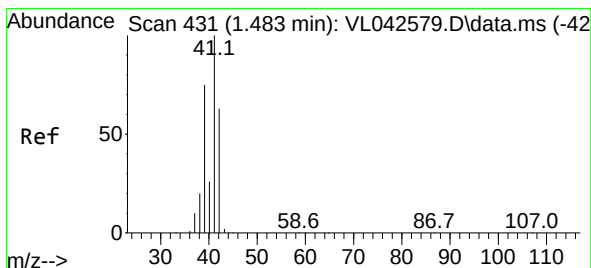
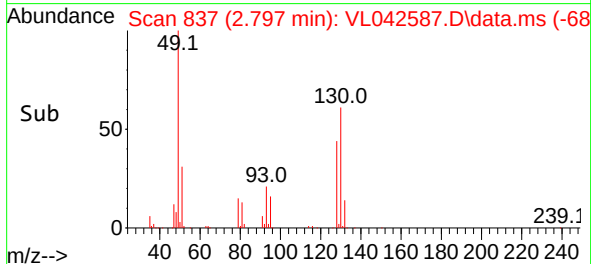
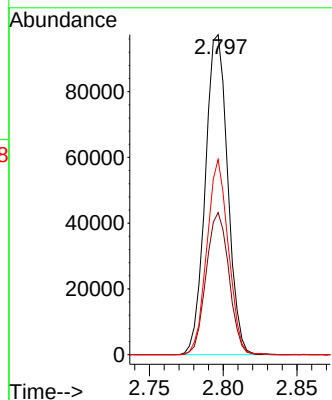
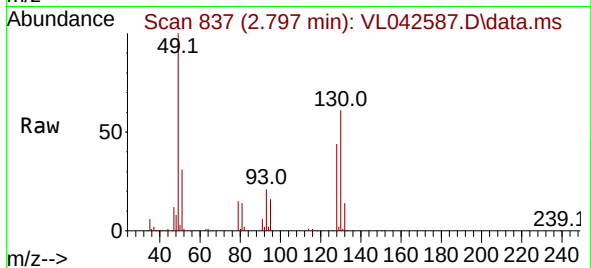




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042587.D
Acq: 29 May 2025 16:50

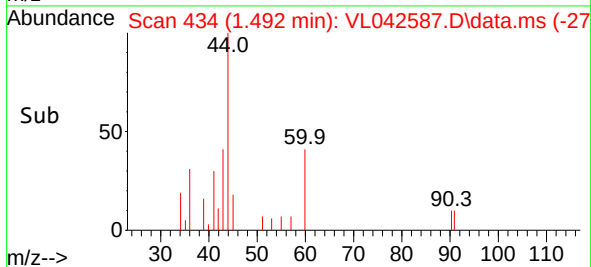
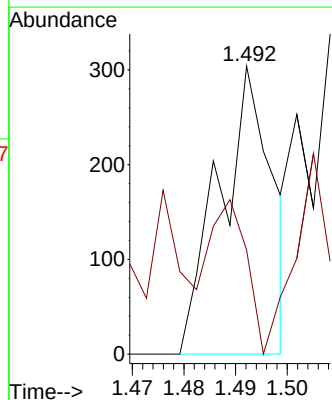
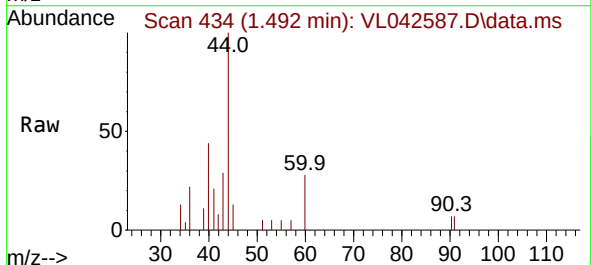
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABL01

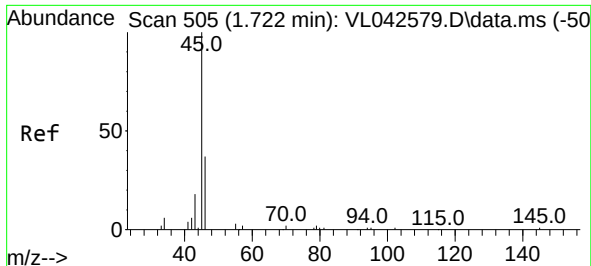
Tgt Ion: 49 Resp: 102651
Ion Ratio Lower Upper
49 100
128 45.2 24.2 72.6
130 58.5 30.4 91.2



#9
Propene
Concen: 0.031 ppbv
RT: 1.492 min Scan# 434
Delta R.T. 0.010 min
Lab File: VL042587.D
Acq: 29 May 2025 16:50

Tgt Ion: 41 Resp: 216
Ion Ratio Lower Upper
41 100
42 85.6 53.3 79.9#





#13

Ethanol

Concen: 0.326 ppbv

RT: 1.725 min Scan# 505

Delta R.T. 0.003 min

Lab File: VL042587.D

Acq: 29 May 2025 16:50

Instrument :

MSVOA_L

ClientSampleId :

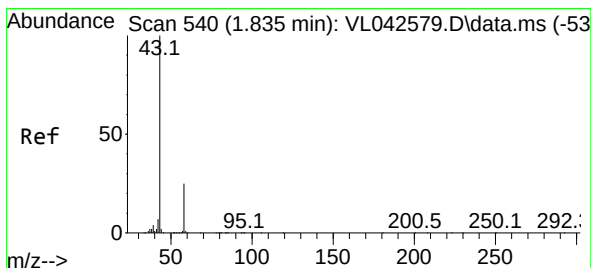
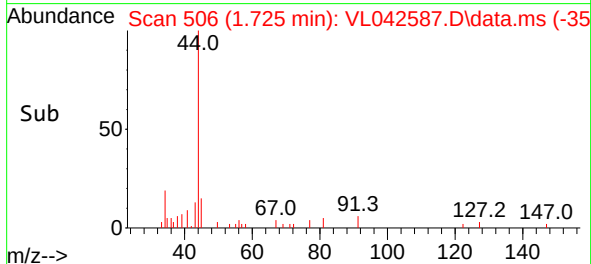
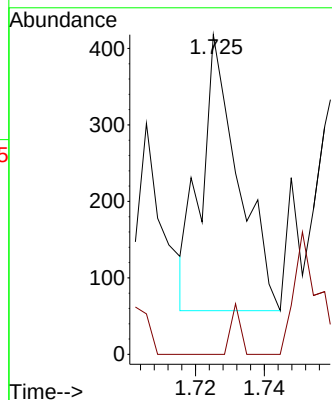
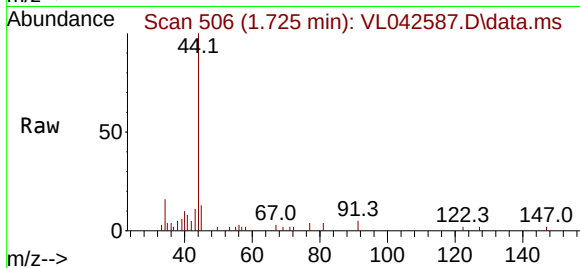
VL0529ABL01

Tgt Ion: 45 Resp: 272

Ion Ratio Lower Upper

45 100

46 0.0 14.5 58.1#



#15

Acetone

Concen: 0.222 ppbv

RT: 1.842 min Scan# 542

Delta R.T. 0.006 min

Lab File: VL042587.D

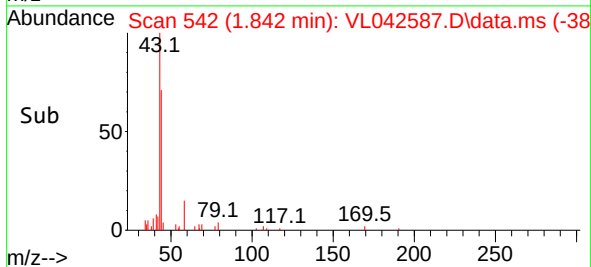
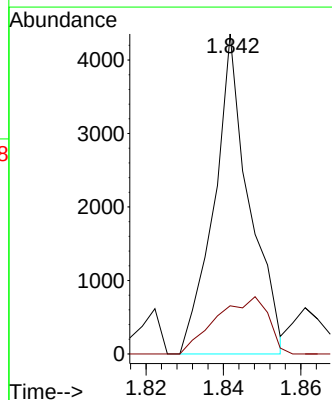
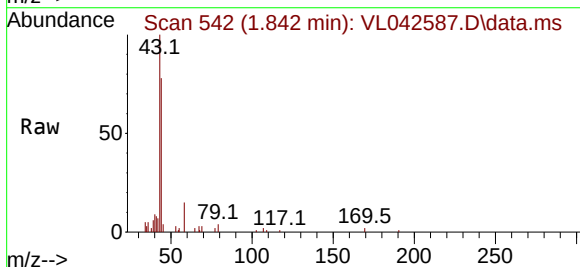
Acq: 29 May 2025 16:50

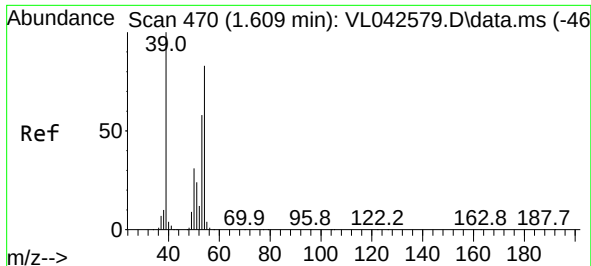
Tgt Ion: 43 Resp: 2744

Ion Ratio Lower Upper

43 100

58 26.4 21.0 31.4

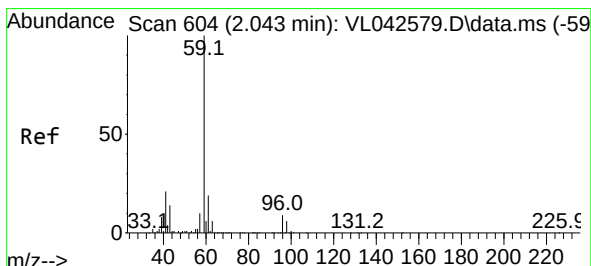
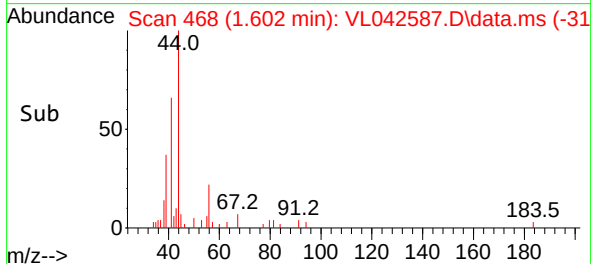
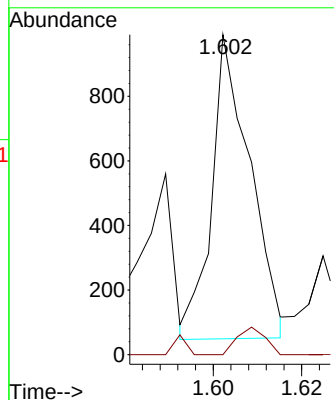
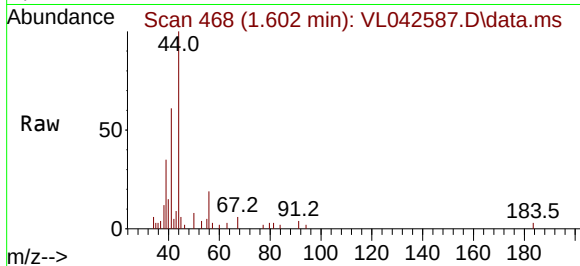




#16
1,3-Butadiene
Concen: 0.097 ppbv
RT: 1.602 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL042587.D
Acq: 29 May 2025 16:50

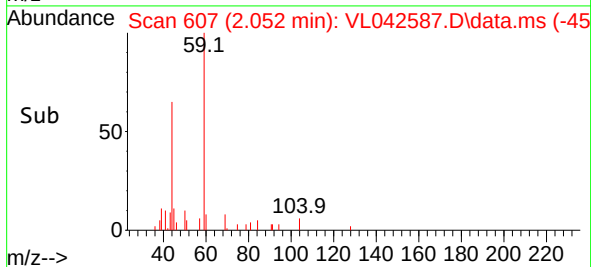
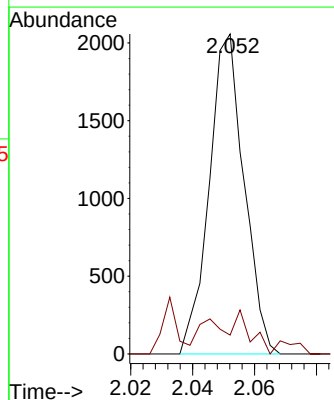
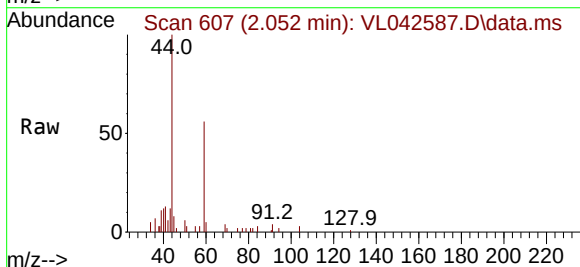
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABL01

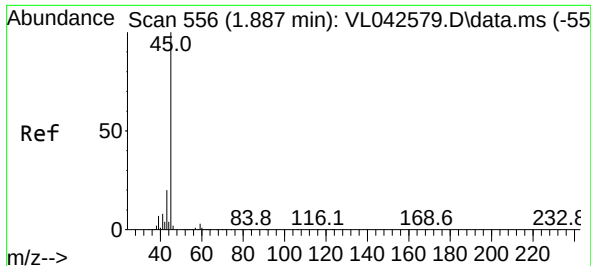
Tgt Ion: 39 Resp: 566
Ion Ratio Lower Upper
39 100
54 6.5 57.9 86.9#



#17
tert-Butyl alcohol
Concen: 0.125 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.010 min
Lab File: VL042587.D
Acq: 29 May 2025 16:50

Tgt Ion: 59 Resp: 1609
Ion Ratio Lower Upper
59 100
57 29.6 8.6 12.8#

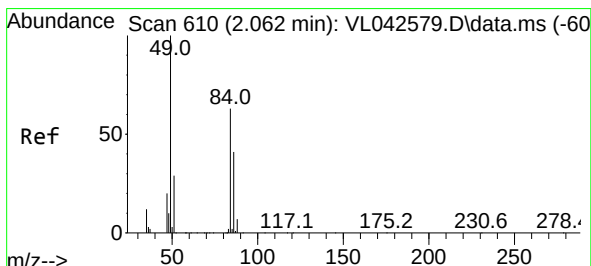
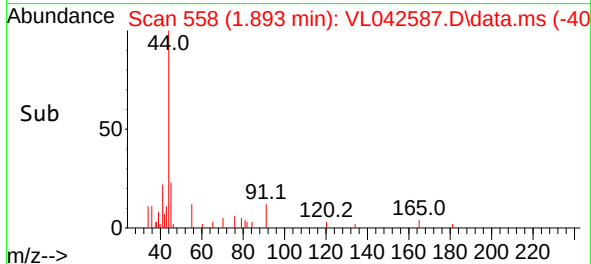
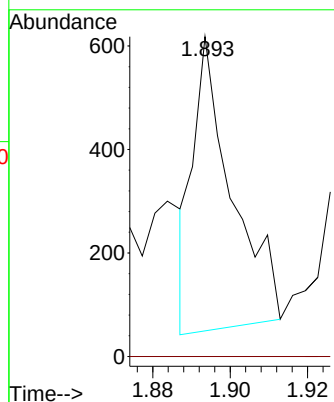
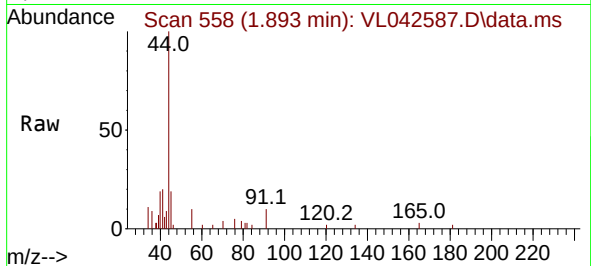




#19
Isopropyl Alcohol
Concen: 0.053 ppbv
RT: 1.893 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042587.D
Acq: 29 May 2025 16:50

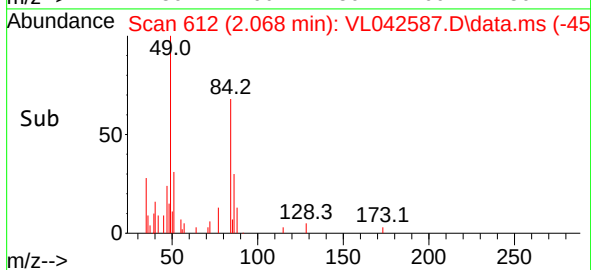
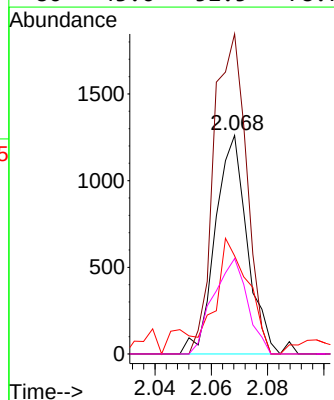
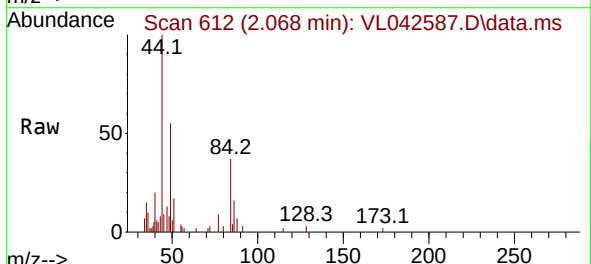
Instrument :
MSVOA_L
ClientSampleId :
VL0529ABL01

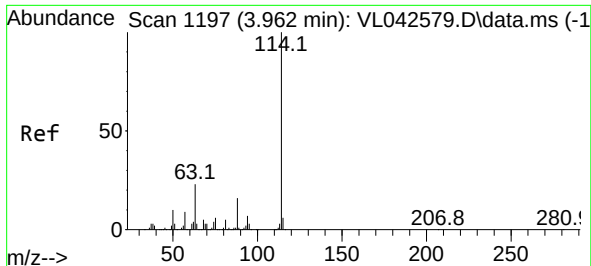
Tgt Ion: 45 Resp: 393
Ion Ratio Lower Upper
45 100
58 0.0 29.4 44.2#



#20
Methylene Chloride
Concen: 0.244 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.006 min
Lab File: VL042587.D
Acq: 29 May 2025 16:50

Tgt Ion: 84 Resp: 995
Ion Ratio Lower Upper
84 100
49 146.4 128.8 193.2
51 44.9 38.6 57.8
86 43.6 52.5 78.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.971 min Scan# 1197

Delta R.T. 0.010 min

Lab File: VL042587.D

Acq: 29 May 2025 16:50

Instrument :

MSVOA_1

ClientSampleId :

VL0529ABL01

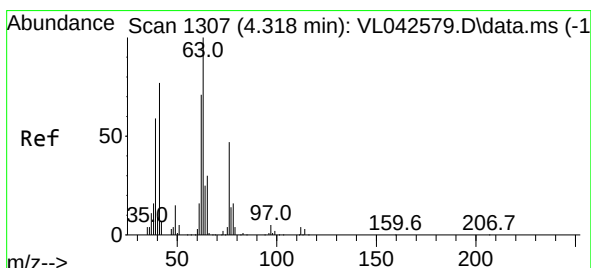
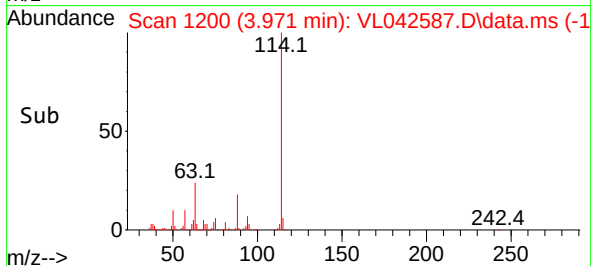
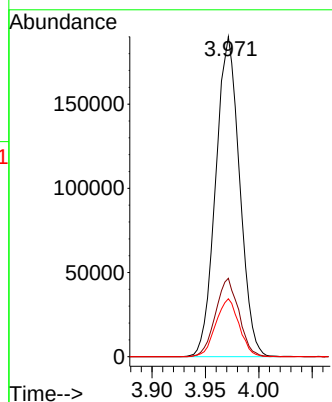
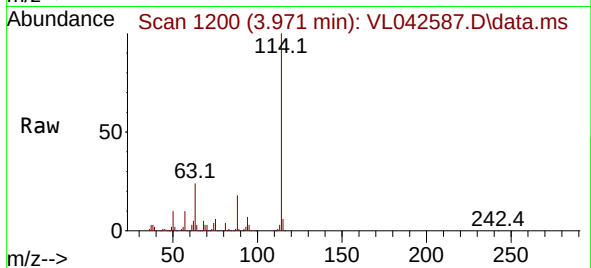
Tgt Ion:114 Resp: 295997

Ion Ratio Lower Upper

114 100

63 23.9 19.0 28.6

88 17.6 13.6 20.4



#39

1,2-Dichloropropane

Concen: 6.562 ppbv

RT: 3.971 min Scan# 1200

Delta R.T. -0.347 min

Lab File: VL042587.D

Acq: 29 May 2025 16:50

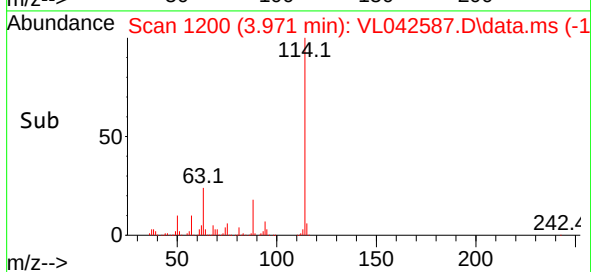
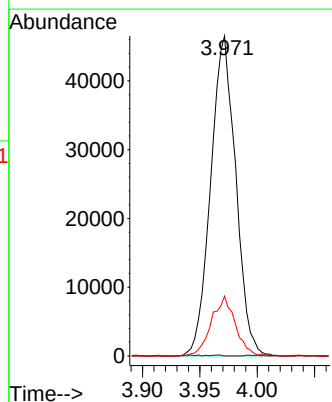
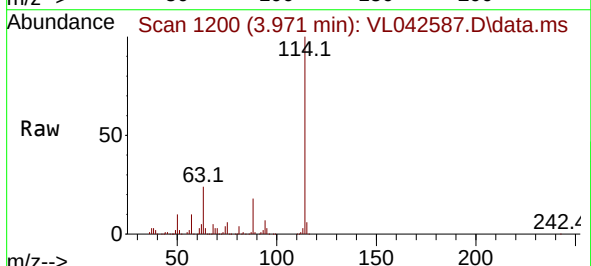
Tgt Ion: 63 Resp: 70736

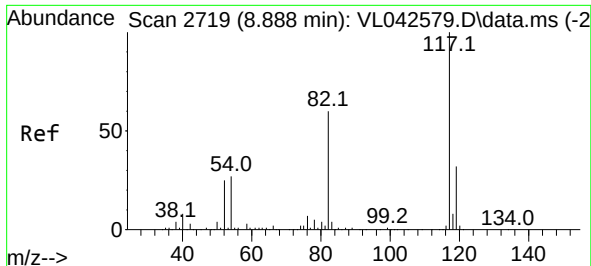
Ion Ratio Lower Upper

63 100

41 0.0 61.8 92.6#

62 18.7 56.6 85.0#

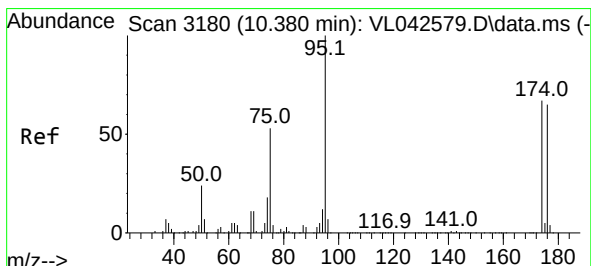
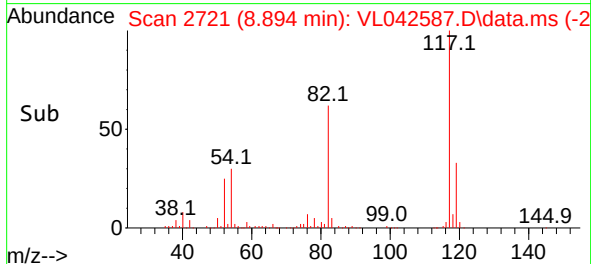
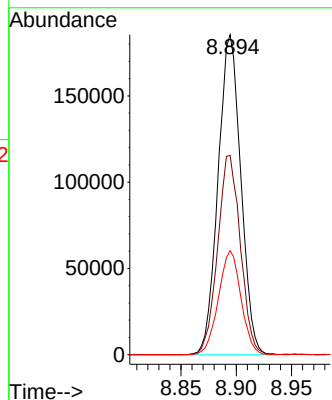
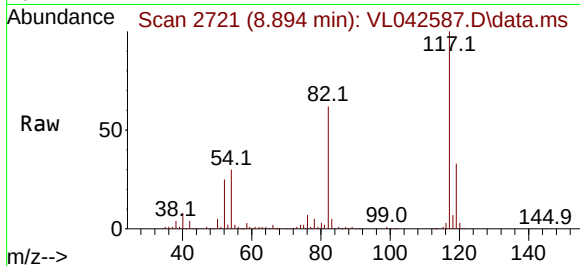




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042587.D
Acq: 29 May 2025 16:50

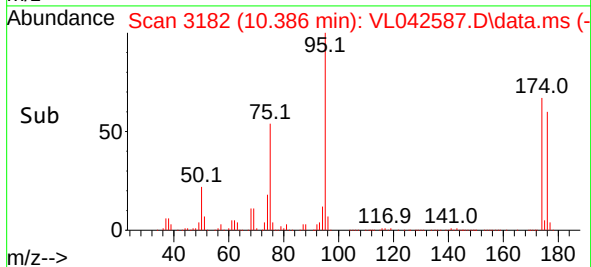
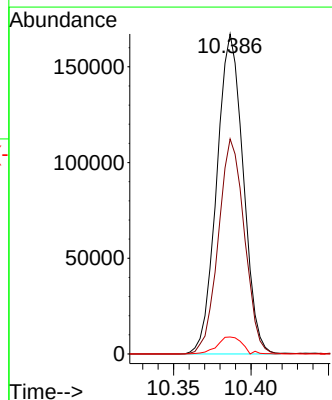
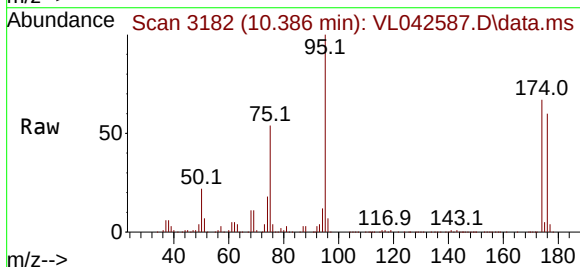
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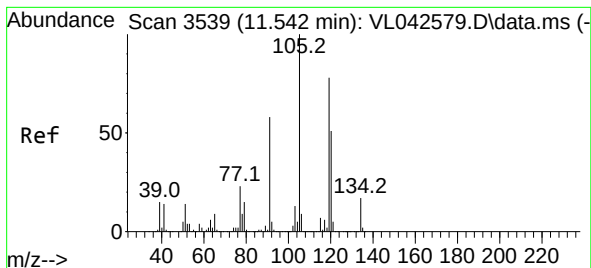
Tgt Ion:117 Resp: 264969
Ion Ratio Lower Upper
117 100
82 62.4 51.2 76.8
119 32.4 26.3 39.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.025 ppbv
RT: 10.386 min Scan# 3182
Delta R.T. 0.006 min
Lab File: VL042587.D
Acq: 29 May 2025 16:50

Tgt Ion: 95 Resp: 199114
Ion Ratio Lower Upper
95 100
174 66.7 53.1 79.7
175 5.1 4.2 6.2





#74

1,2,4-Trimethylbenzene

Concen: 0.064 ppbv

RT: 11.545 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VL042587.D

Acq: 29 May 2025 16:50

Instrument :

MSVOA_1

ClientSampleId :

VL0529ABL01

Tgt Ion:105 Resp: 2567

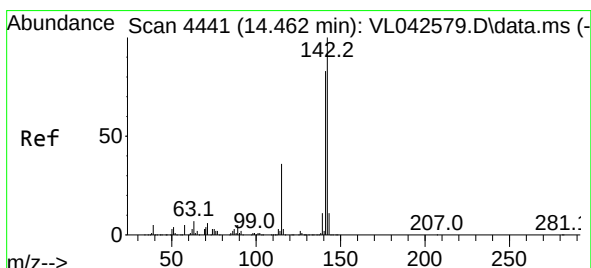
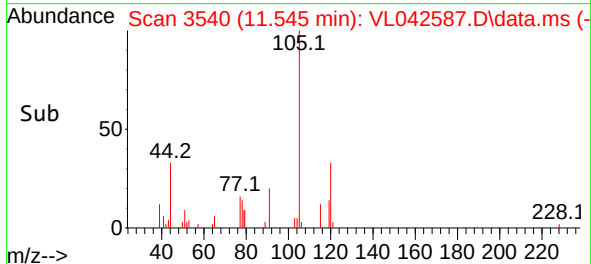
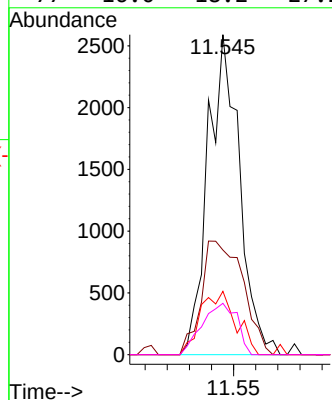
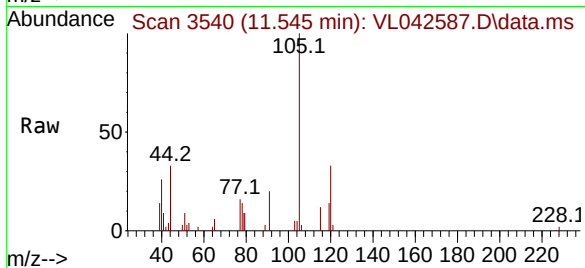
Ion Ratio Lower Upper

105 100

120 32.7 40.8 61.2#

91 19.8 46.8 70.2#

77 16.0 18.2 27.2#



#80

Naphthalene,2-methyl-

Concen: 0.072 ppbv

RT: 14.478 min Scan# 4446

Delta R.T. 0.016 min

Lab File: VL042587.D

Acq: 29 May 2025 16:50

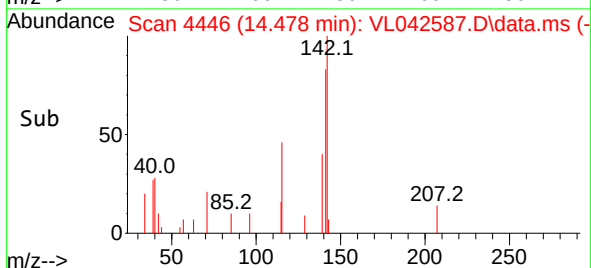
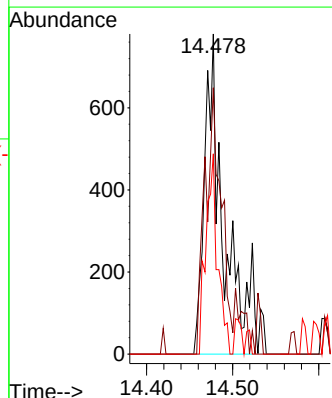
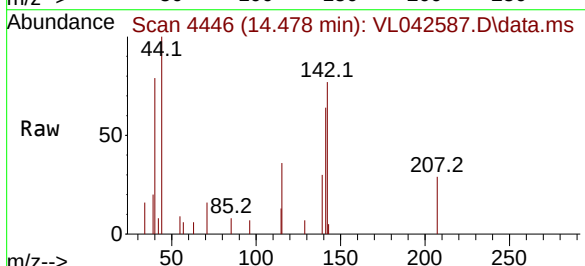
Tgt Ion:142 Resp: 1239

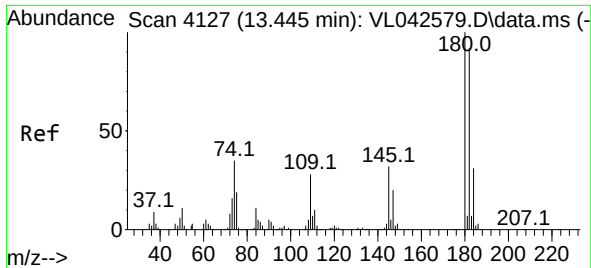
Ion Ratio Lower Upper

142 100

141 81.6 66.2 99.4

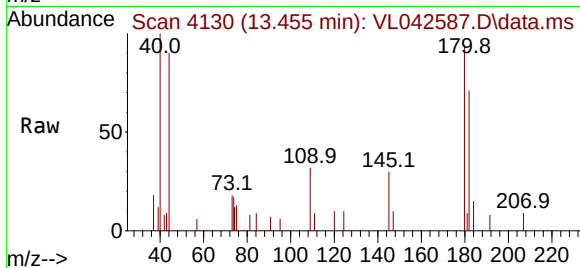
115 43.1 28.3 42.5#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.042 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL042587.D
 Acq: 29 May 2025 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0529ABL01



Tgt Ion:180 Resp: 890
 Ion Ratio Lower Upper
 180 100
 182 91.5 75.0 112.4
 184 17.4 24.6 36.8#

