

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043002.D
 Acq On : 24 Sep 2025 09:51
 Operator : SY/MD
 Sample : VL0924ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABL01

Quant Time: Sep 25 01:52:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

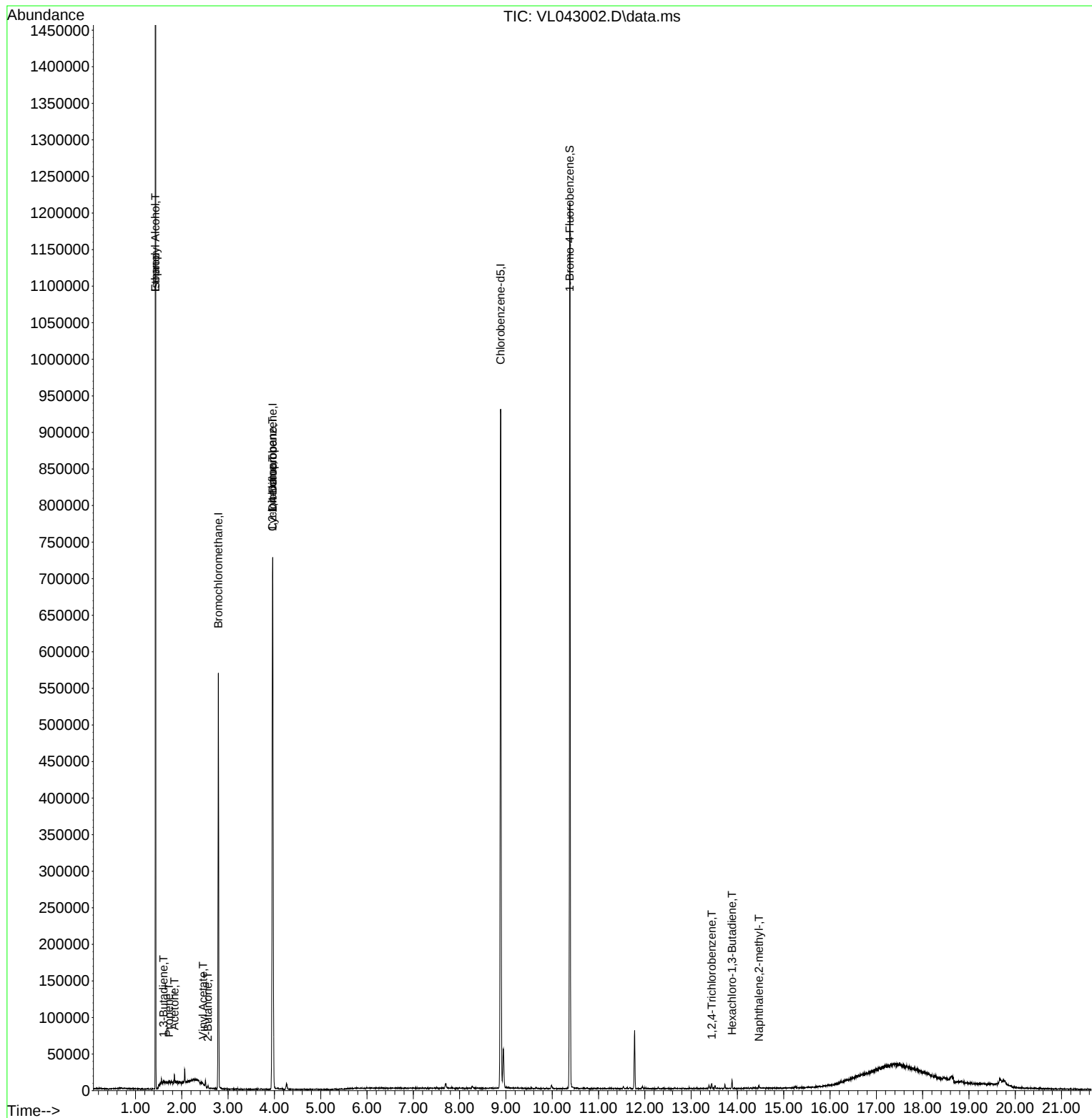
Internal Standards						
1) Bromochloromethane	2.790	49	149932	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	453605	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	394017	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	291883	9.924	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
9) Propene	1.722	41	401	0.037	ppbv	94
13) Ethanol	1.431	45	30987	29.213	ppbv	90
15) Acetone	1.839	43	5876	0.301	ppbv #	87
16) 1,3-Butadiene	1.602	39	806	0.088	ppbv #	11
19) Isopropyl Alcohol	1.431	45	30987	2.640	ppbv #	37
20) Methylene Chloride	2.062	84	2919	Below Cal		93
23) Vinyl Acetate	2.460	43	1085	0.039	ppbv #	1
30) Cyclohexane	3.959	84	1505	0.080	ppbv #	1
34) 2-Butanone	2.564	43	1992	0.063	ppbv	99
39) 1,2-Dichloropropane	3.959	63	106342	6.839	ppbv #	24
78) Hexachloro-1,3-Butadiene	13.882	225	1449	0.055	ppbv #	83
80) Naphthalene,2-methyl-	14.468	142	1427	0.091	ppbv #	81
81) 1,2,4-Trichlorobenzene	13.445	180	1314	0.049	ppbv	96

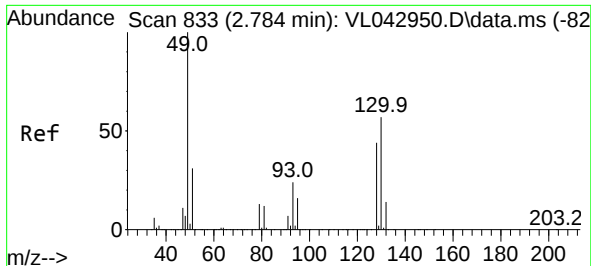
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VL0924ABL01

Quant Time: Sep 25 01:52:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

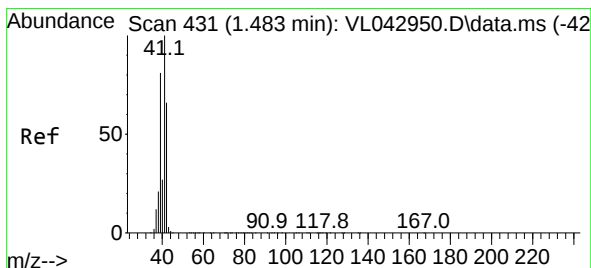
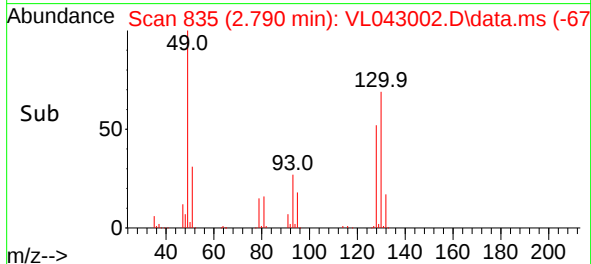
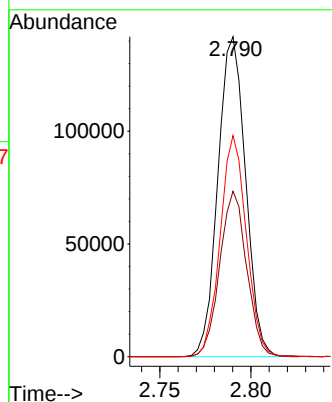
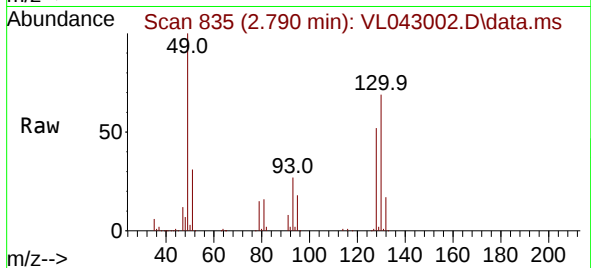




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

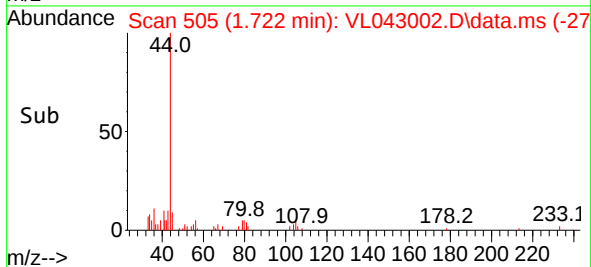
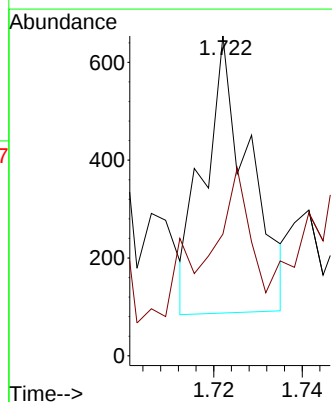
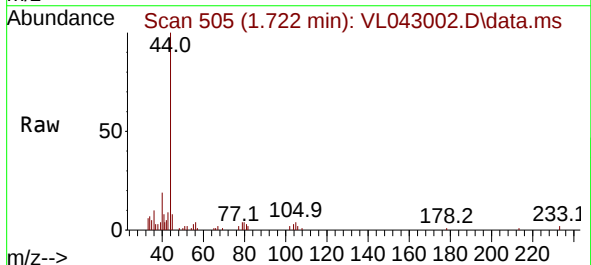
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABL01

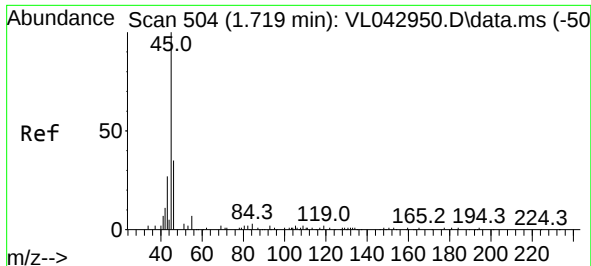
Tgt Ion: 49 Resp: 149932
Ion Ratio Lower Upper
49 100
128 50.2 22.9 68.8
130 65.6 29.1 87.3



#9
Propene
Concen: 0.037 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.239 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

Tgt Ion: 41 Resp: 401
Ion Ratio Lower Upper
41 100
42 66.8 57.4 86.2

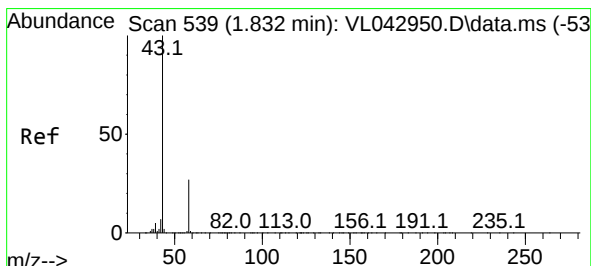
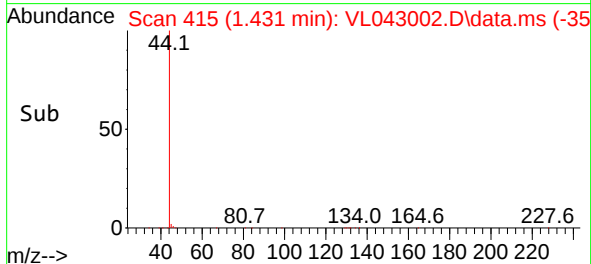
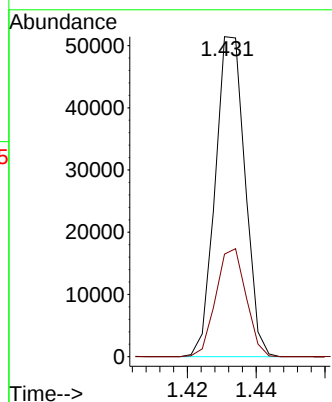
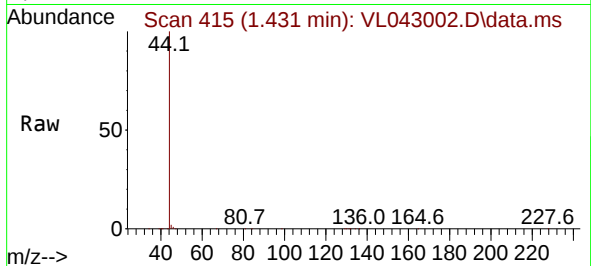




#13
 Ethanol
 Concen: 29.213 ppbv
 RT: 1.431 min Scan# 41
 Delta R.T. -0.288 min
 Lab File: VL043002.D
 Acq: 24 Sep 2025 09:51

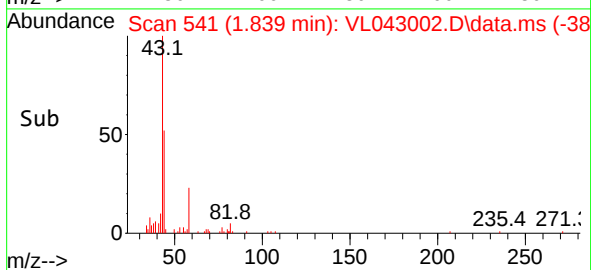
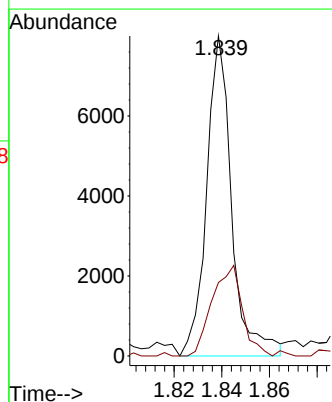
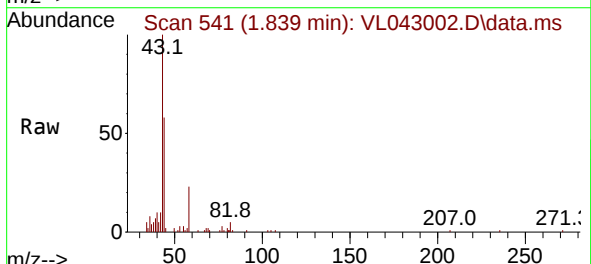
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABL01

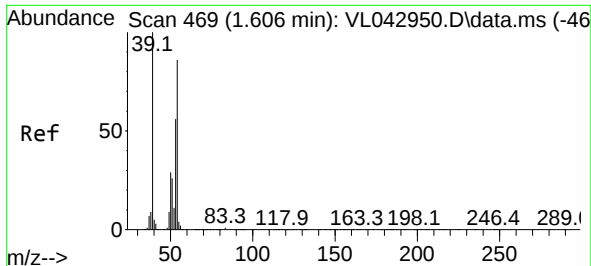
Tgt Ion: 45 Resp: 30987
 Ion Ratio Lower Upper
 45 100
 46 34.2 16.2 64.6



#15
 Acetone
 Concen: 0.301 ppbv
 RT: 1.839 min Scan# 541
 Delta R.T. 0.006 min
 Lab File: VL043002.D
 Acq: 24 Sep 2025 09:51

Tgt Ion: 43 Resp: 5876
 Ion Ratio Lower Upper
 43 100
 58 34.8 22.3 33.5#

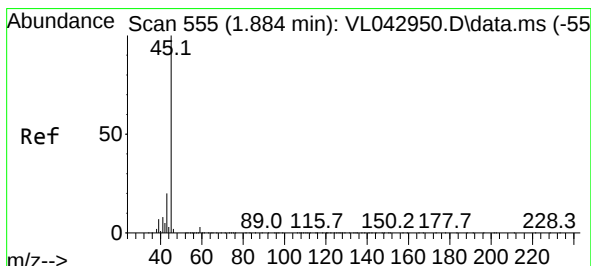
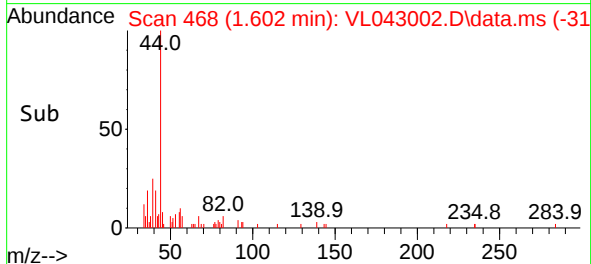
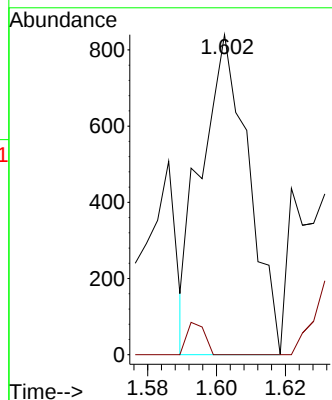
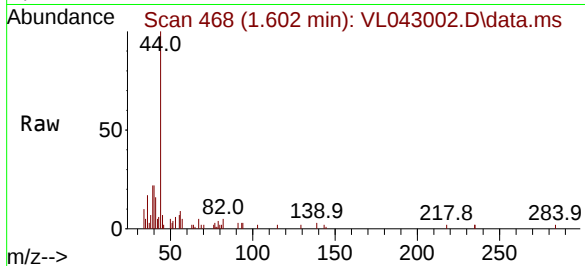




#16
1,3-Butadiene
Concen: 0.088 ppbv
RT: 1.602 min Scan# 415
Delta R.T. -0.003 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

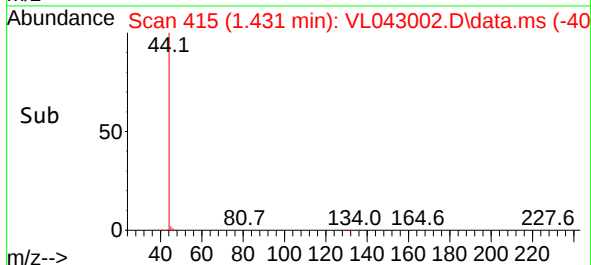
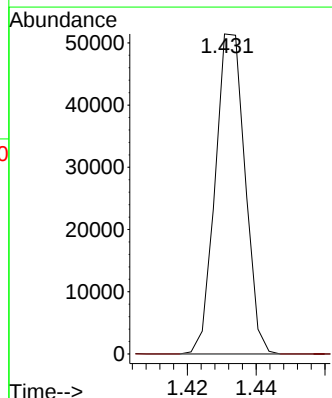
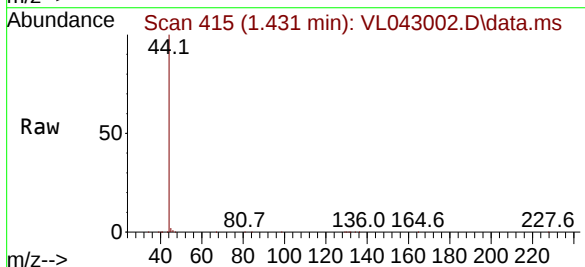
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABL01

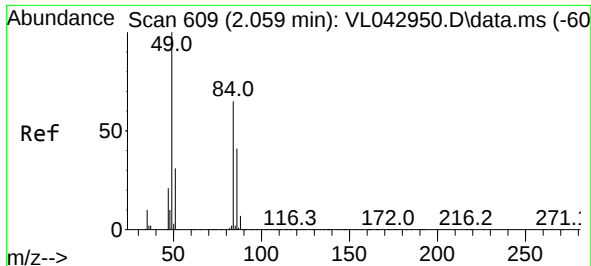
Tgt Ion: 39 Resp: 806
Ion Ratio Lower Upper
39 100
54 0.0 60.8 91.2#



#19
Isopropyl Alcohol
Concen: 2.640 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.453 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

Tgt Ion: 45 Resp: 30987
Ion Ratio Lower Upper
45 100
58 0.3 31.0 46.6#

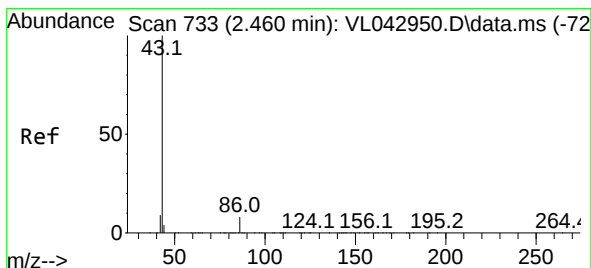
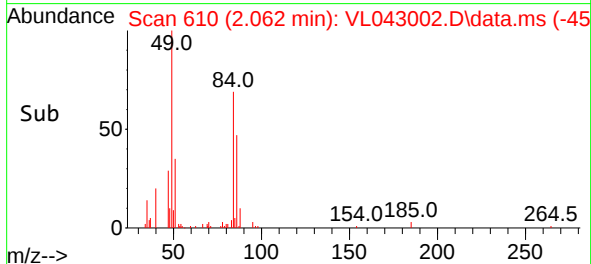
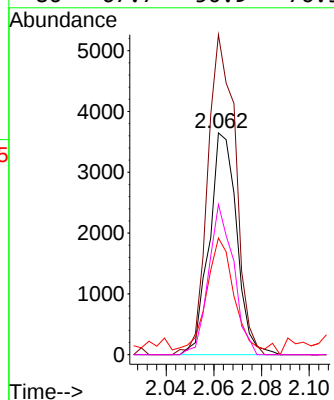
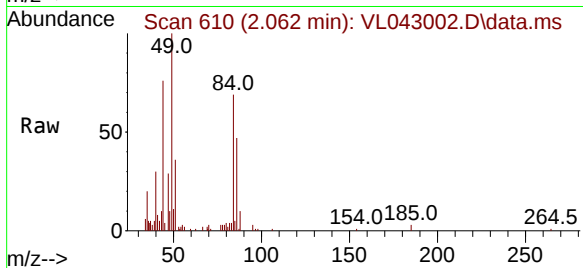




#20
Methylene Chloride
Concen: Below Cal
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

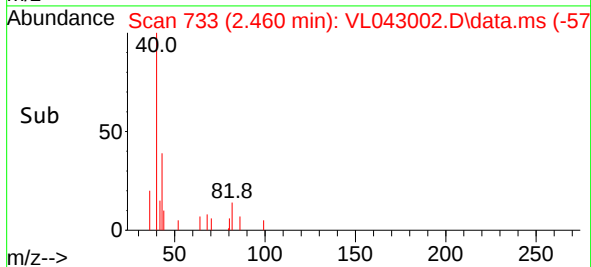
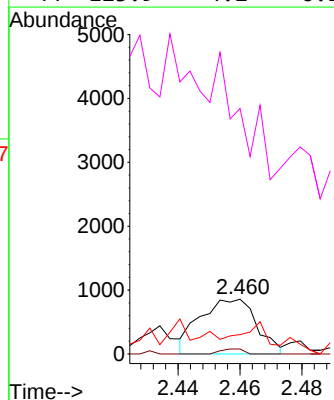
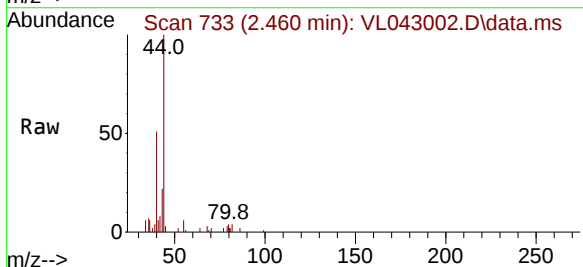
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABL01

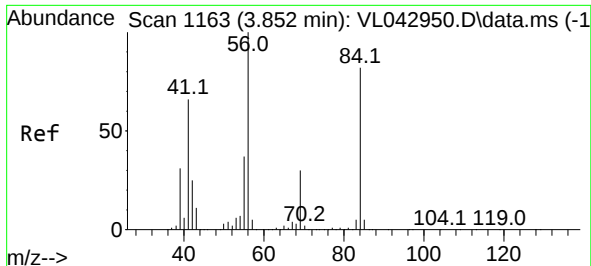
Tgt Ion: 84	Resp:	2919	
Ion	Ratio	Lower	Upper
84	100		
49	144.3	124.1	186.1
51	52.6	39.8	59.8
86	67.7	50.9	76.3



#23
Vinyl Acetate
Concen: 0.039 ppbv
RT: 2.460 min Scan# 733
Delta R.T. -0.000 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

Tgt Ion: 43	Resp: 1085
Ion Ratio	Lower Upper
43 100	
86 10.2	6.2 9.2#
42 22.4	7.4 11.0#
44 123.9	4.2 6.2#

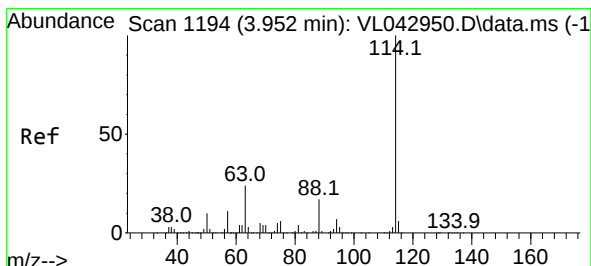
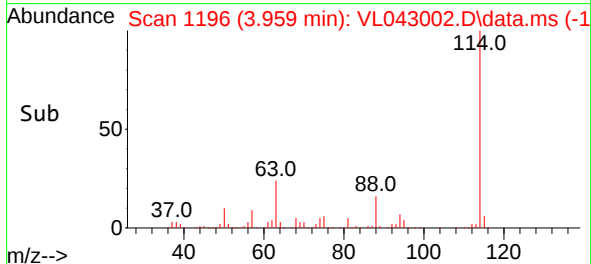
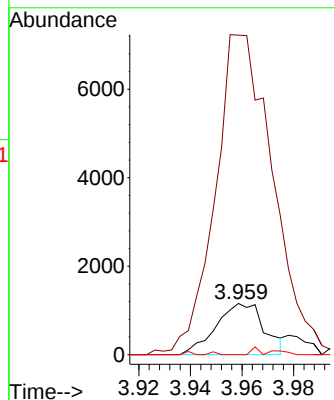
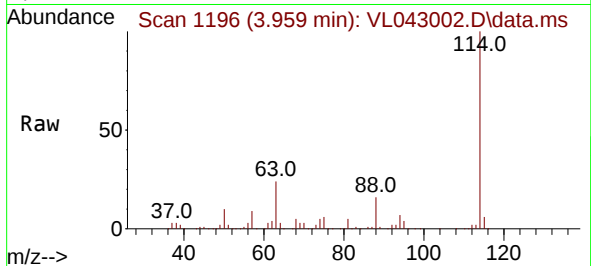




#30
Cyclohexane
Concen: 0.080 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.107 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

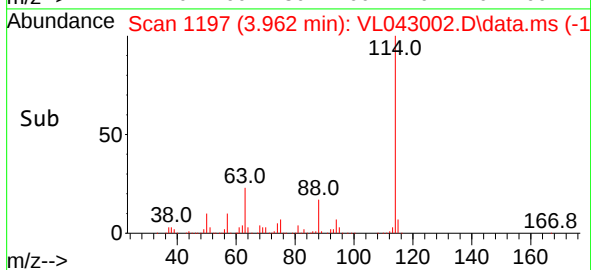
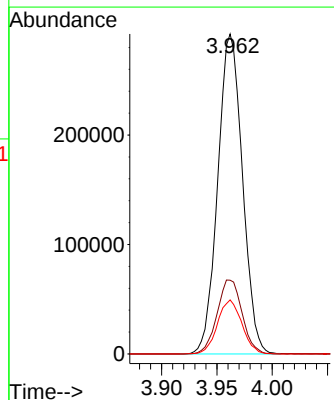
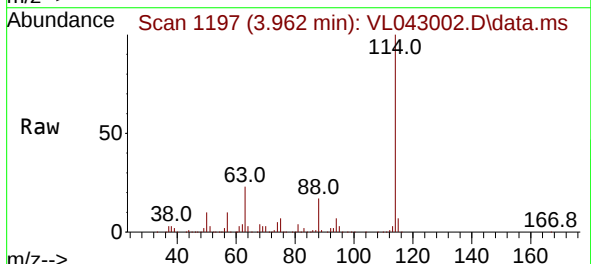
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABL01

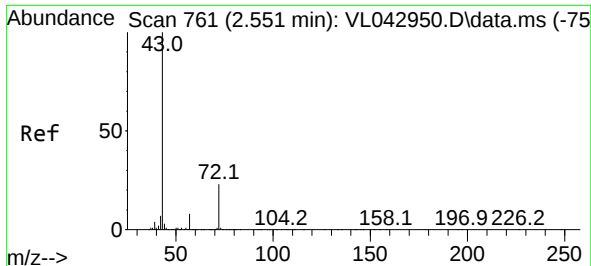
Tgt Ion: 84 Resp: 1505
Ion Ratio Lower Upper
84 100
56 752.7 102.2 153.4#
41 5.2 65.6 98.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.010 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

Tgt Ion: 114 Resp: 453605
Ion Ratio Lower Upper
114 100
63 23.4 19.4 29.2
88 16.7 14.2 21.2

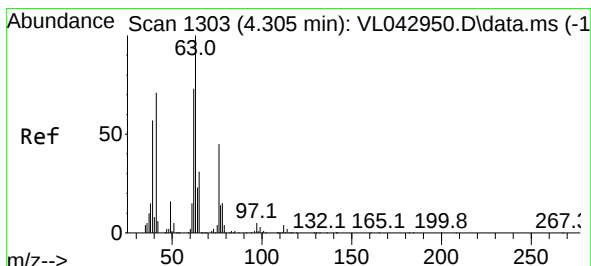
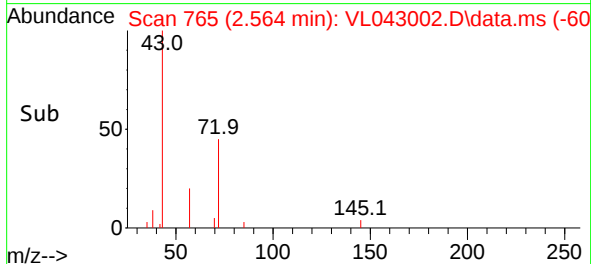
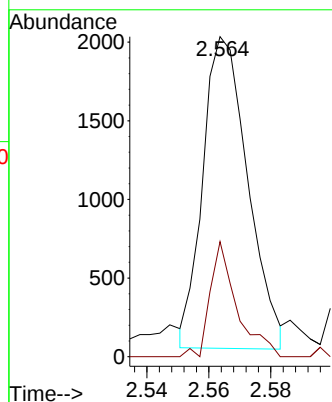
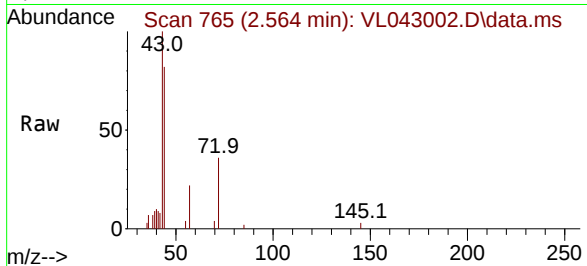




#34
2-Butanone
Concen: 0.063 ppbv
RT: 2.564 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

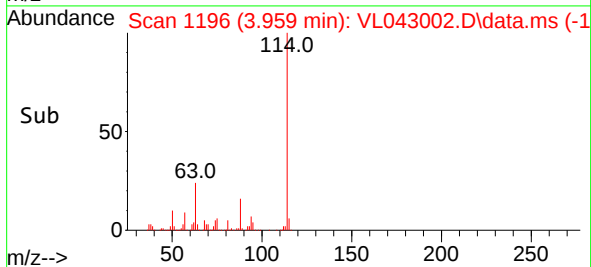
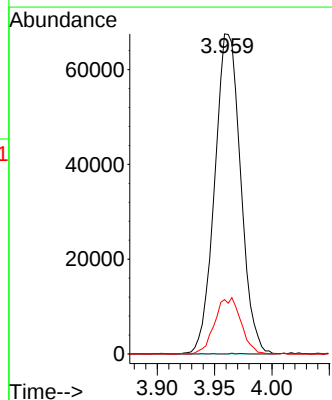
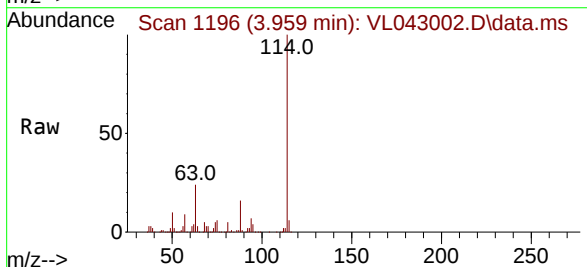
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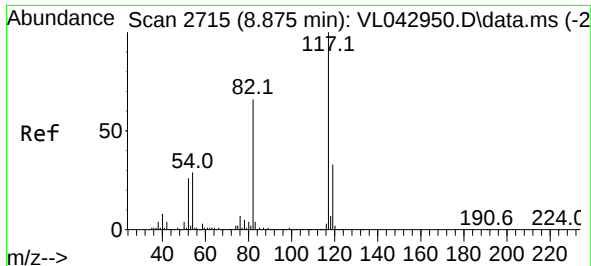
Tgt Ion: 43 Resp: 1992
Ion Ratio Lower Upper
43 100
72 22.5 17.7 26.5



#39
1,2-Dichloropropane
Concen: 6.839 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.346 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

Tgt Ion: 63 Resp: 106342
Ion Ratio Lower Upper
63 100
41 0.0 57.5 86.3#
62 17.0 58.5 87.7#

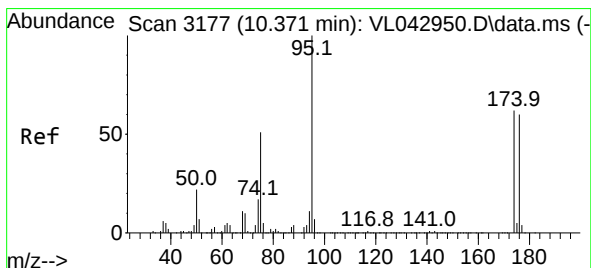
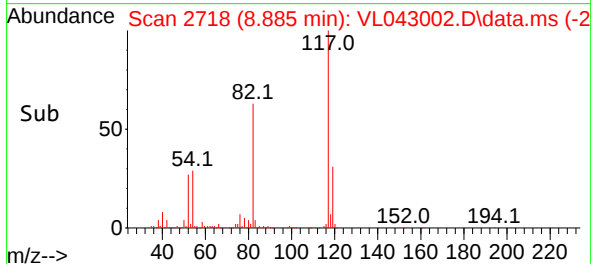
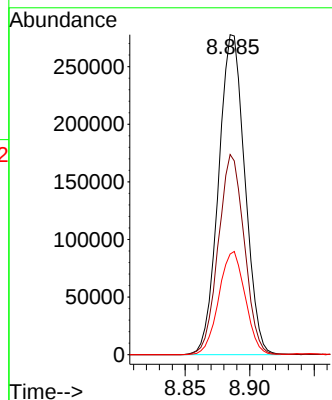
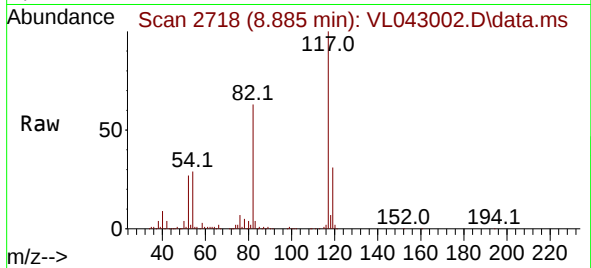




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

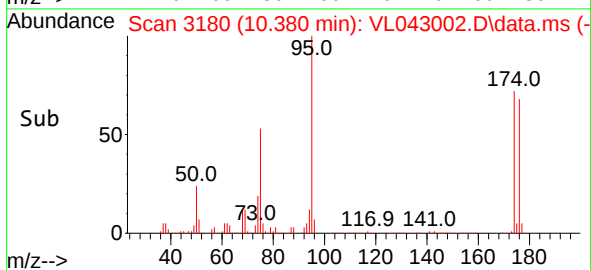
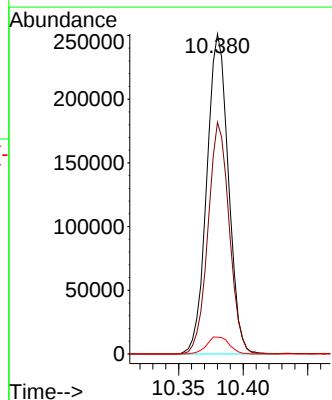
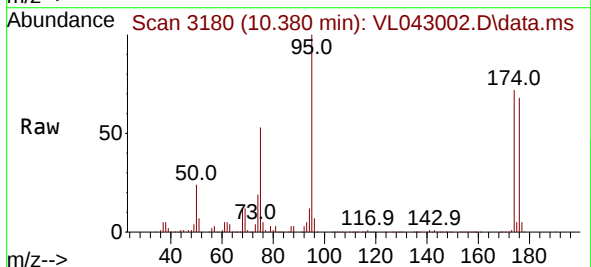
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABL01

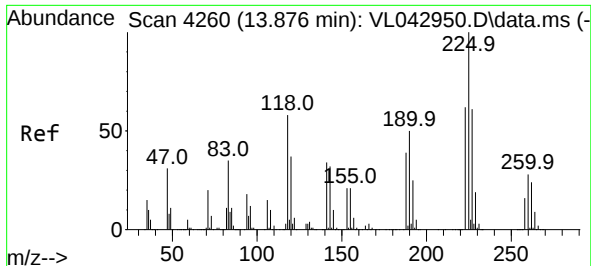
Tgt Ion:117 Resp: 394017
Ion Ratio Lower Upper
117 100
82 61.9 52.8 79.2
119 32.4 26.5 39.7



#68
1-Bromo-4-Fluorobenzene
Concen: 9.924 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.010 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

Tgt Ion: 95 Resp: 291883
Ion Ratio Lower Upper
95 100
174 71.6 51.4 77.2
175 5.6 4.0 6.0

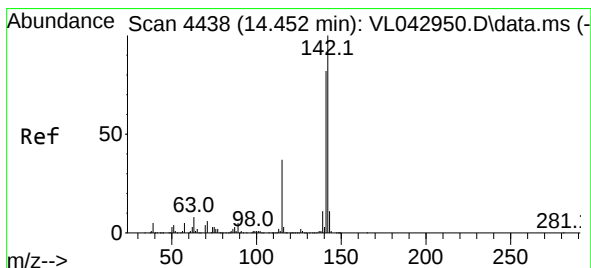
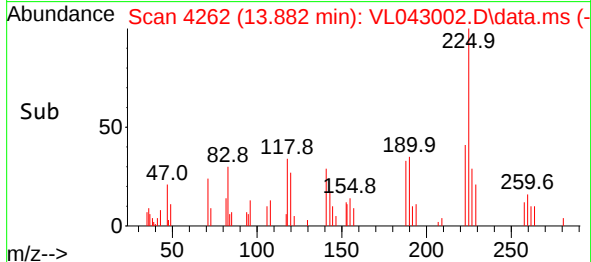
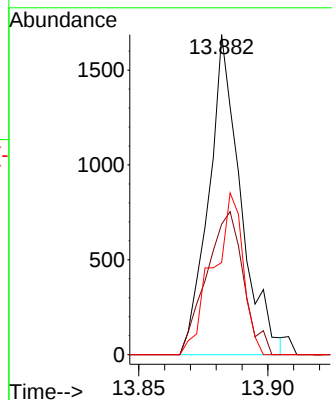
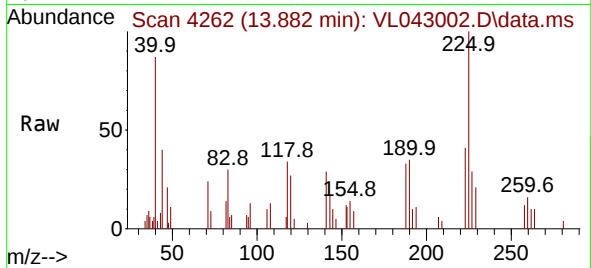




#78
Hexachloro-1,3-Butadiene
Concen: 0.055 ppbv
RT: 13.882 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

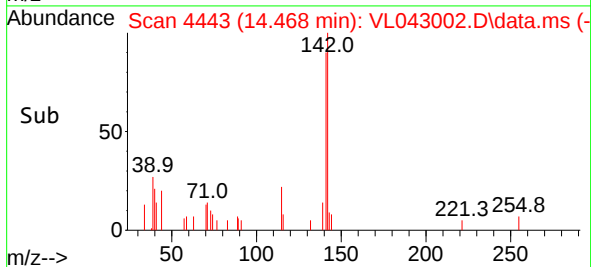
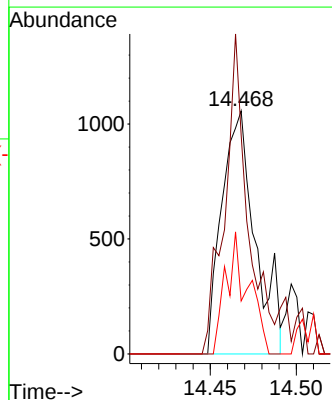
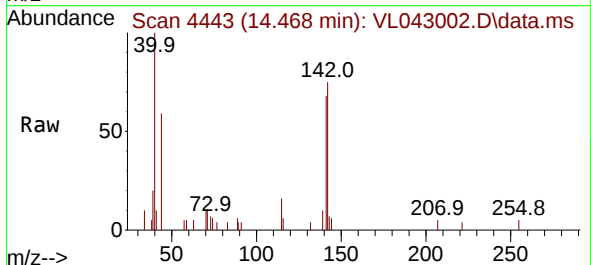
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABL01

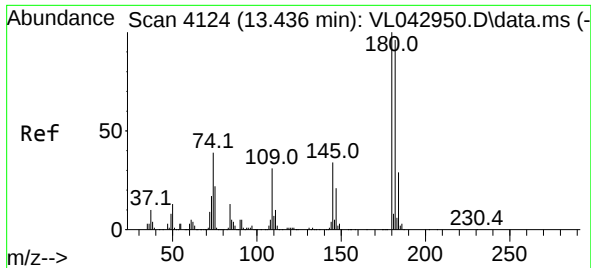
Tgt Ion:225 Resp: 1449
Ion Ratio Lower Upper
225 100
223 51.8 50.1 75.1
227 47.8 50.4 75.6#



#80
Naphthalene,2-methyl-
Concen: 0.091 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.016 min
Lab File: VL043002.D
Acq: 24 Sep 2025 09:51

Tgt Ion:142 Resp: 1427
Ion Ratio Lower Upper
142 100
141 103.9 65.1 97.7#
115 34.0 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.049 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL043002.D
 Acq: 24 Sep 2025 09:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	75.7	113.5
184	32.0	23.9	35.9

