

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043071.D
 Acq On : 08 Oct 2025 22:43
 Operator : SY/MD
 Sample : Q3320-13DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Oct 09 01:25:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

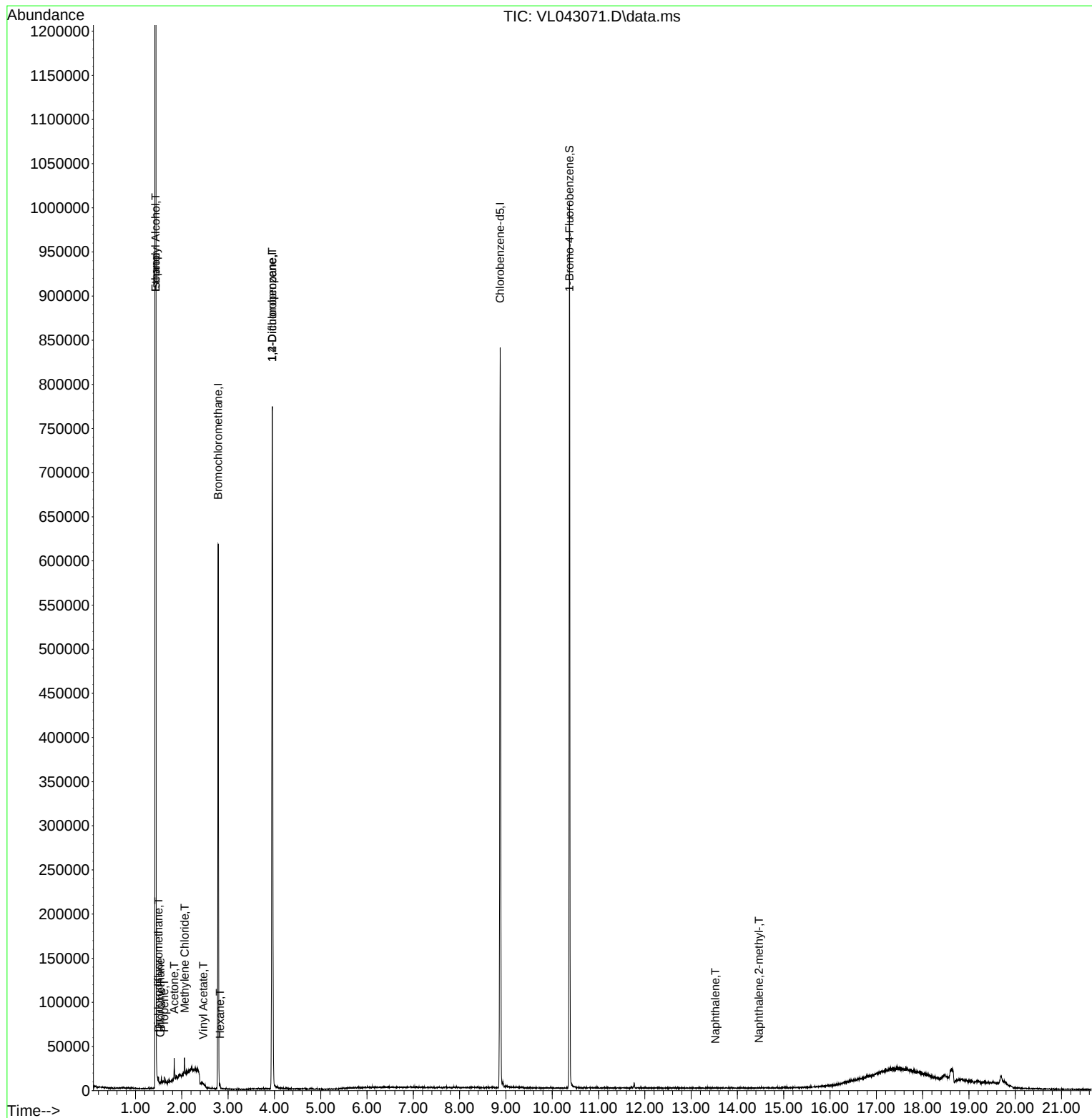
Internal Standards						
1) Bromochloromethane	2.784	49	165692	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	425630	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.875	117	331771	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	229192	9.590	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	1397	0.050	ppbv	94
4) Chloromethane	1.534	50	750	0.074	ppbv #	54
9) Propene	1.622	41	757	0.069	ppbv	96
13) Ethanol	1.434	45	180328	455.574	ppbv #	36
15) Acetone	1.835	43	9361	0.403	ppbv #	89
19) Isopropyl Alcohol	1.434	45	180328	16.223	ppbv #	26
20) Methylene Chloride	2.062	84	2814	0.278	ppbv	95
23) Vinyl Acetate	2.467	43	160	0.032	ppbv #	1
26) Hexane	2.823	57	757	0.034	ppbv #	38
39) 1,2-Dichloropropane	3.955	63	107630	7.140	ppbv #	23
79) Naphthalene	13.523	128	29	0.235	ppbv #	15
80) Naphthalene,2-methyl-	14.468	142	59	0.665	ppbv #	19

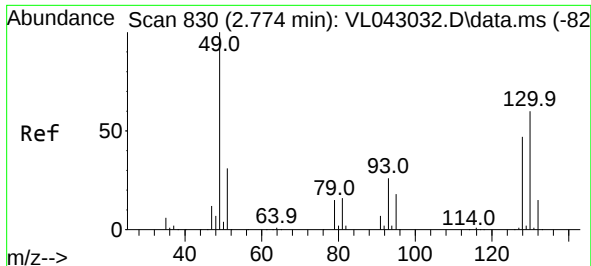
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 09 01:25:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

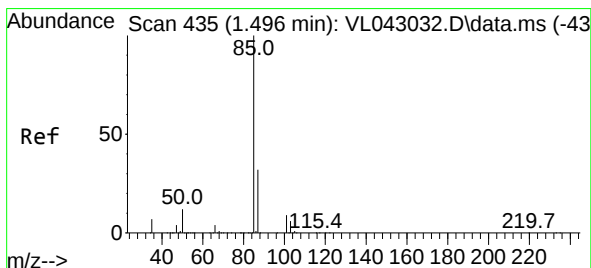
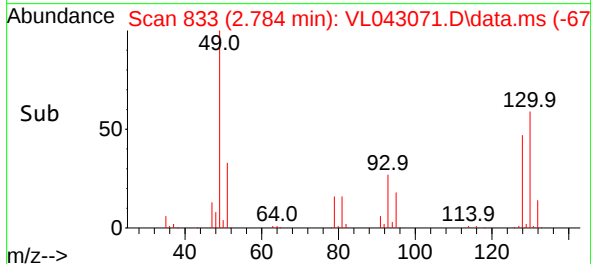
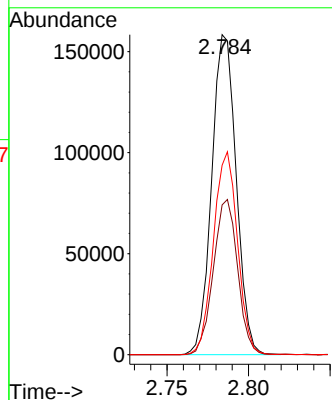
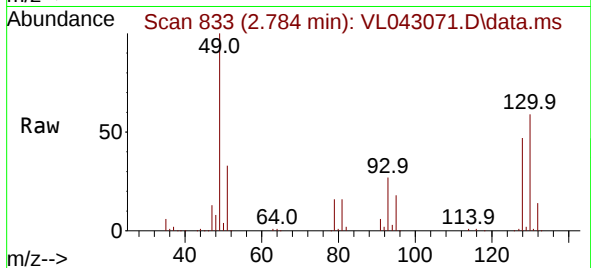




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

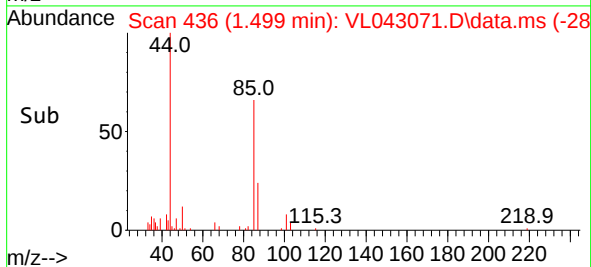
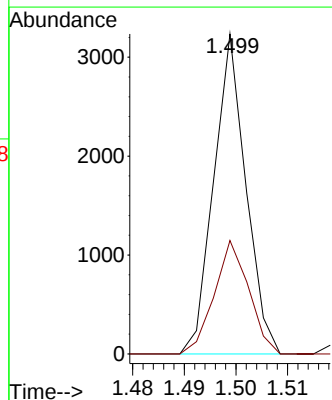
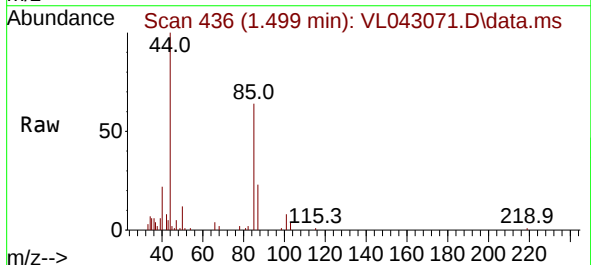
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

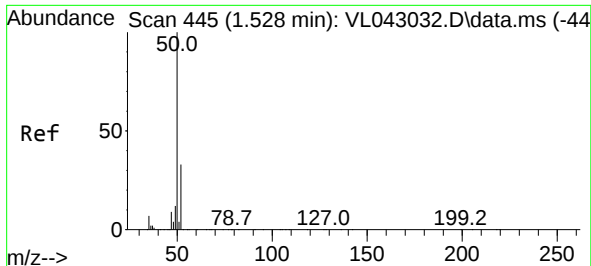
Tgt Ion: 49 Resp: 165692
Ion Ratio Lower Upper
49 100
128 48.1 24.1 72.2
130 62.4 31.4 94.3



#2
Dichlorodifluoromethane
Concen: 0.050 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

Tgt Ion: 85 Resp: 1397
Ion Ratio Lower Upper
85 100
87 35.5 25.8 38.6

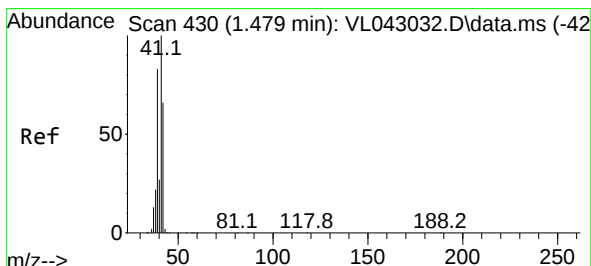
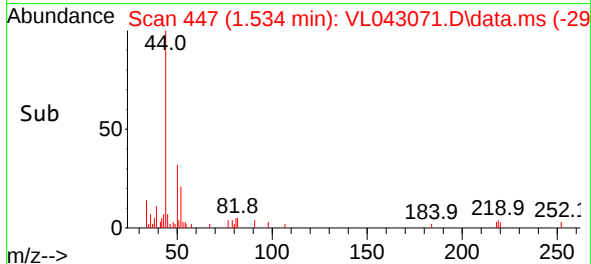
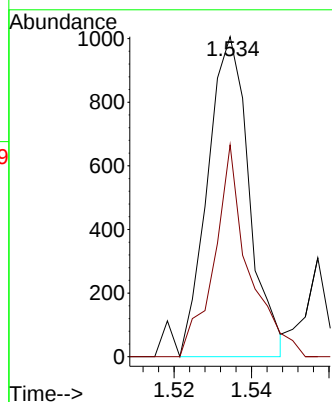
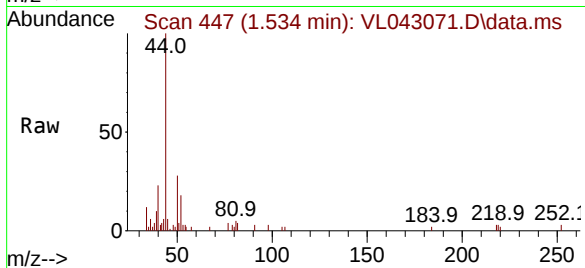




#4
Chloromethane
Concen: 0.074 ppbv
RT: 1.534 min Scan# 445
Delta R.T. 0.007 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

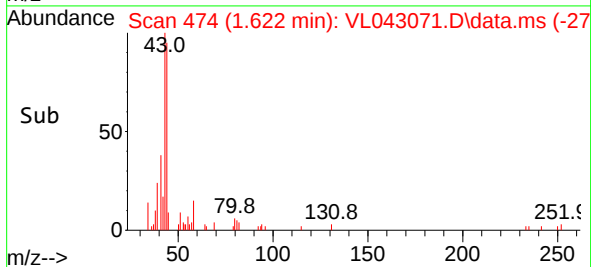
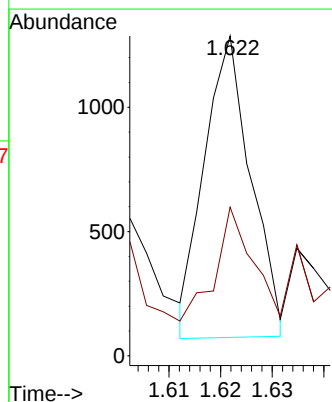
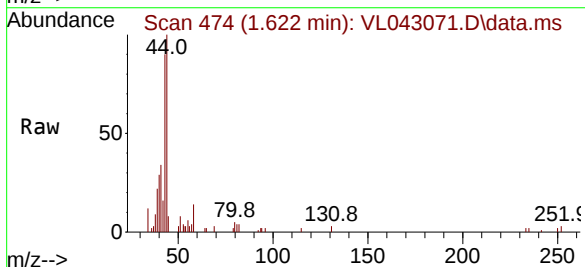
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

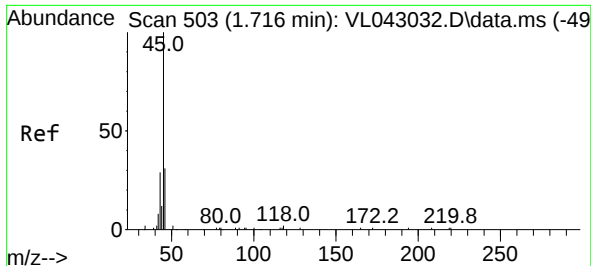
Tgt Ion: 50 Resp: 750
Ion Ratio Lower Upper
50 100
52 58.8 26.2 39.2#



#9
Propene
Concen: 0.069 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.142 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

Tgt Ion: 41 Resp: 757
Ion Ratio Lower Upper
41 100
42 70.0 53.3 79.9

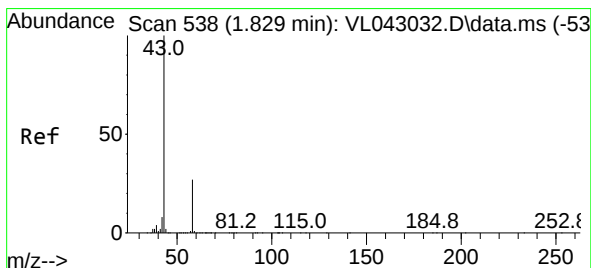
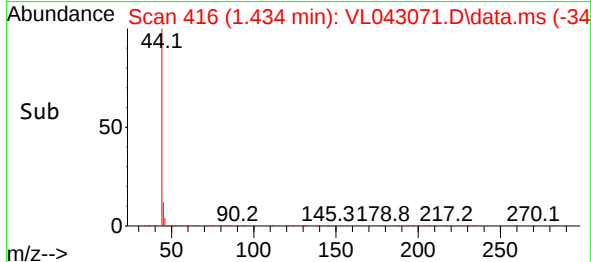
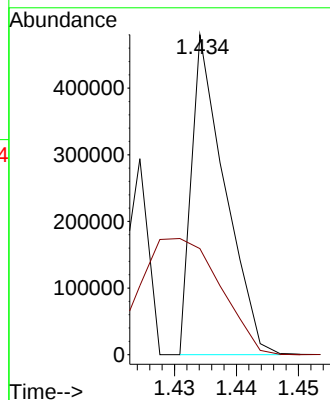
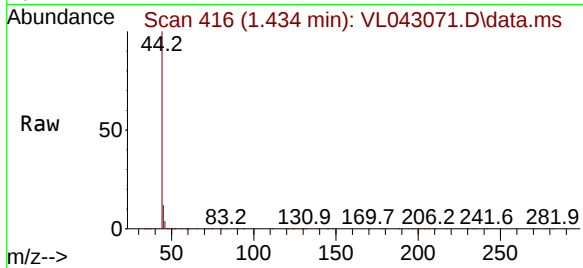




#13
Ethanol
Concen: 455.574 ppbv
RT: 1.434 min Scan# 41
Delta R.T. -0.282 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

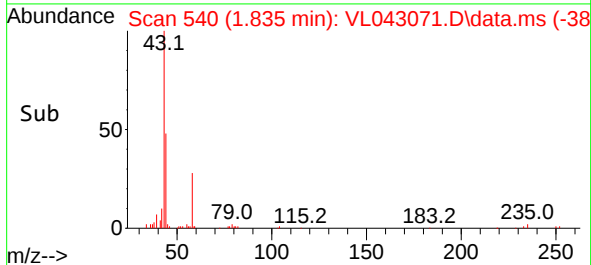
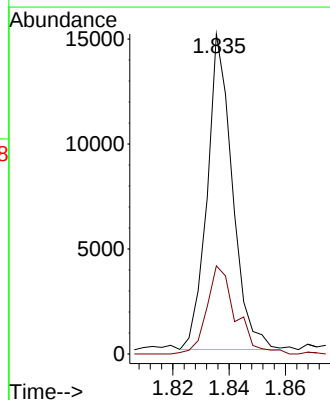
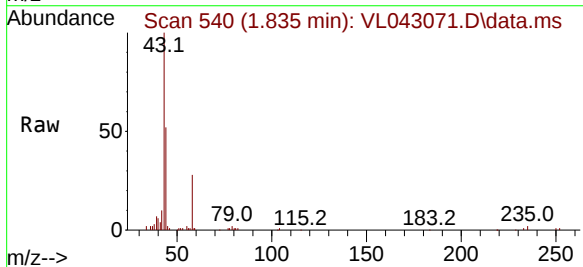
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

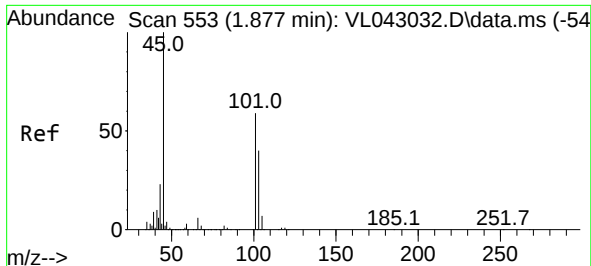
Tgt Ion: 45 Resp: 180328
Ion Ratio Lower Upper
45 100
46 86.5 17.8 71.4#



#15
Acetone
Concen: 0.403 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.007 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

Tgt Ion: 43 Resp: 9361
Ion Ratio Lower Upper
43 100
58 33.4 22.2 33.4#

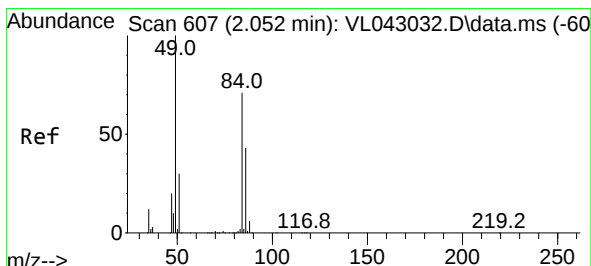
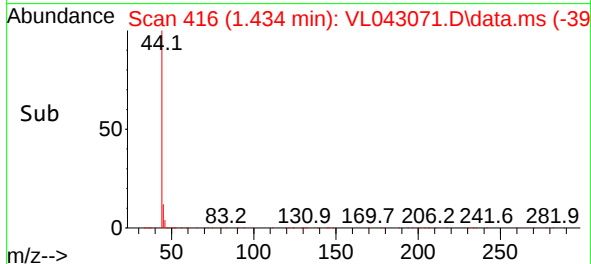
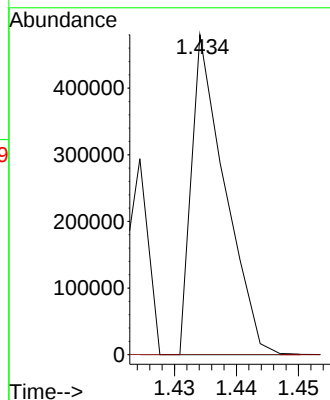
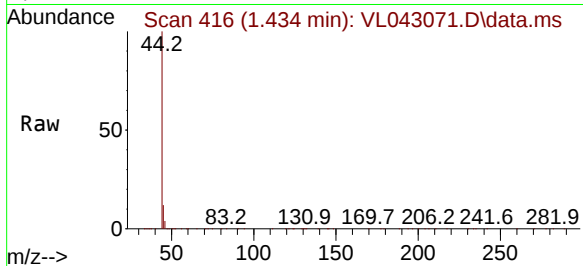




#19
Isopropyl Alcohol
Concen: 16.223 ppbv
RT: 1.434 min Scan# 416
Delta R.T. -0.443 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

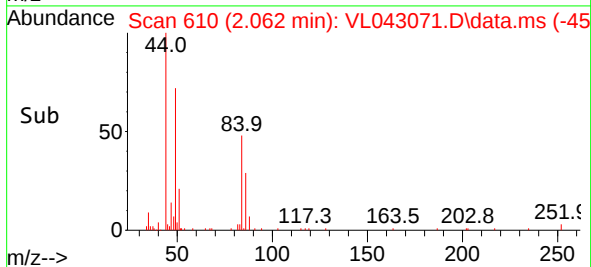
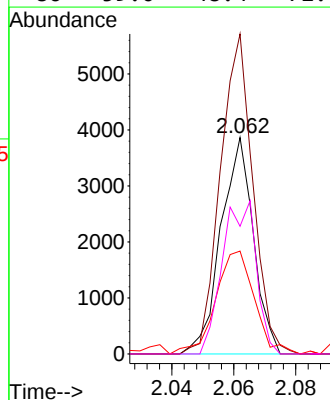
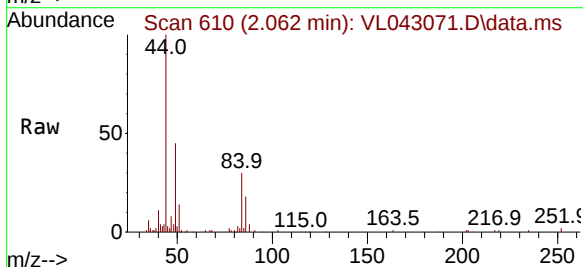
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

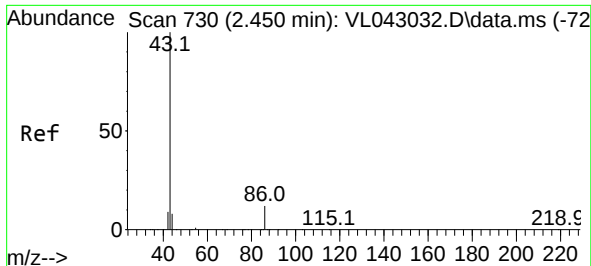
Tgt Ion: 45 Resp: 180328
Ion Ratio Lower Upper
45 100
58 0.2 42.3 63.5#



#20
Methylene Chloride
Concen: 0.278 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.010 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

Tgt Ion: 84 Resp: 2814
Ion Ratio Lower Upper
84 100
49 147.8 112.5 168.7
51 45.0 34.2 51.2
86 59.0 48.4 72.6



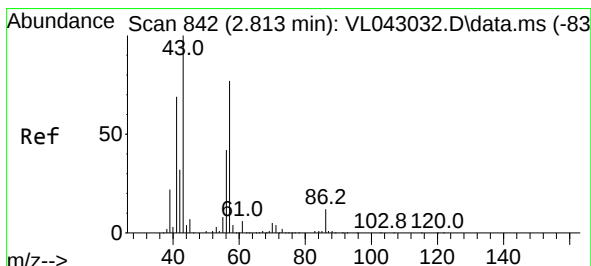
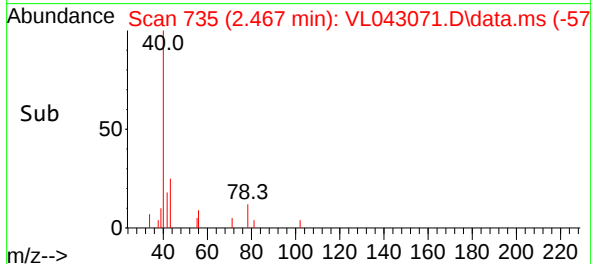
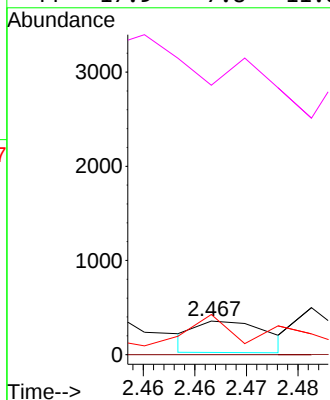
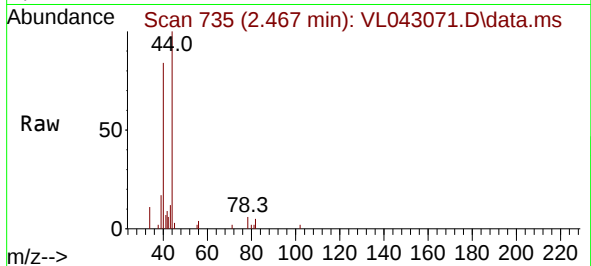


#23
 Vinyl Acetate
 Concen: 0.032 ppbv
 RT: 2.467 min Scan# 71
 Delta R.T. 0.016 min
 Lab File: VL043071.D
 Acq: 08 Oct 2025 22:43

Instrument :
 MSVOA_1
 ClientSampleId :
 OA1DL

Tgt Ion: 43 Resp: 160

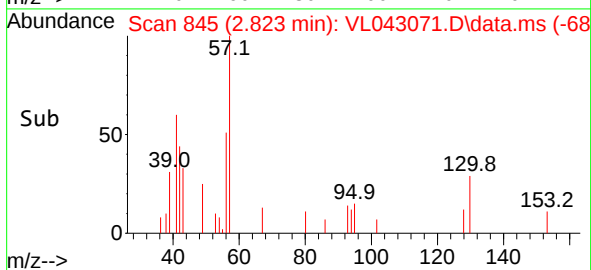
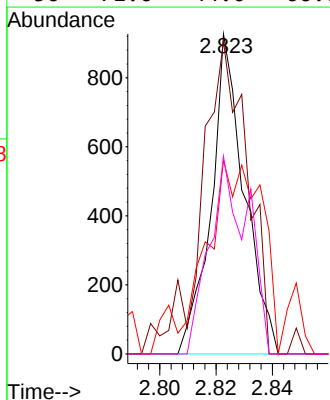
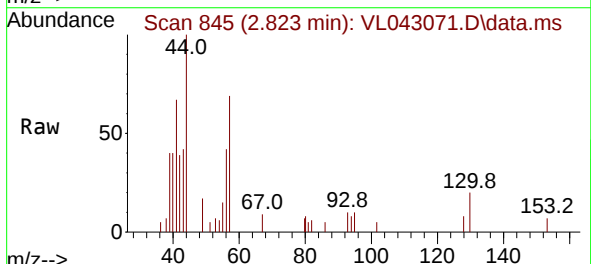
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#
42	153.0	8.4	12.6#
44	17.9	7.8	11.8#

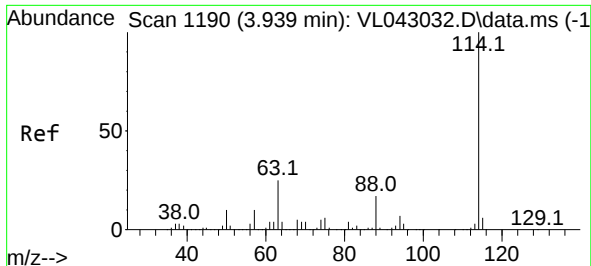


#26
 Hexane
 Concen: 0.034 ppbv
 RT: 2.823 min Scan# 845
 Delta R.T. 0.010 min
 Lab File: VL043071.D
 Acq: 08 Oct 2025 22:43

Tgt Ion: 57 Resp: 757

Ion	Ratio	Lower	Upper
57	100		
41	136.9	76.1	114.1#
43	115.9	201.4	302.0#
56	71.6	44.0	66.0#

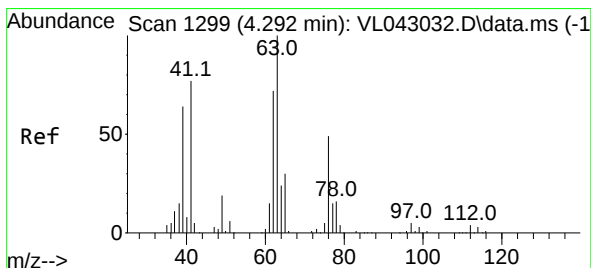
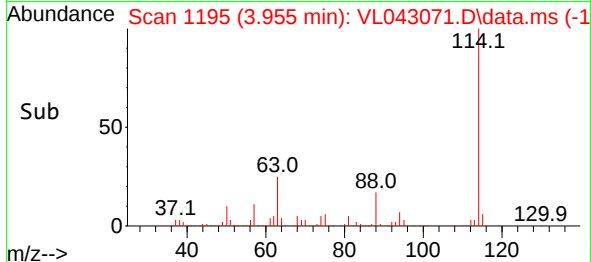
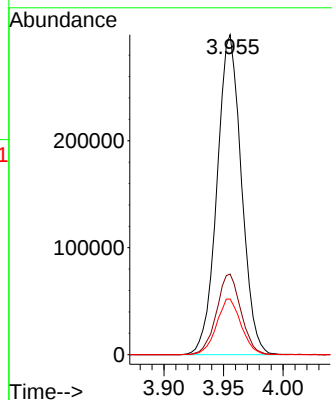
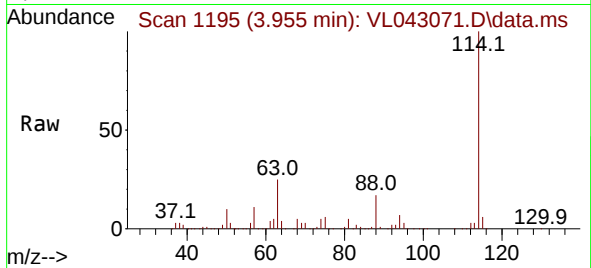




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.955 min Scan# 1195
 Delta R.T. 0.016 min
 Lab File: VL043071.D
 Acq: 08 Oct 2025 22:43

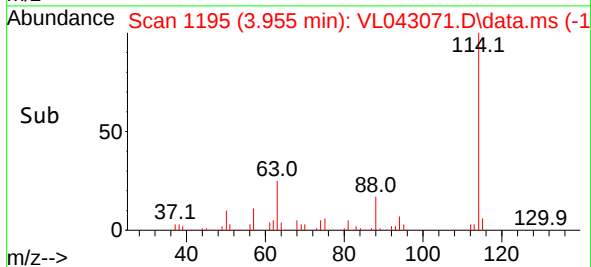
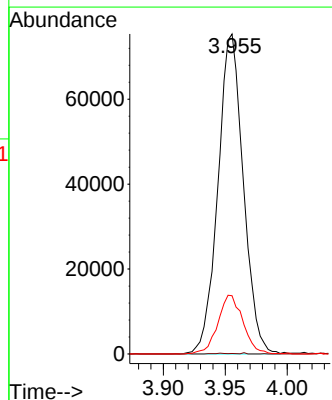
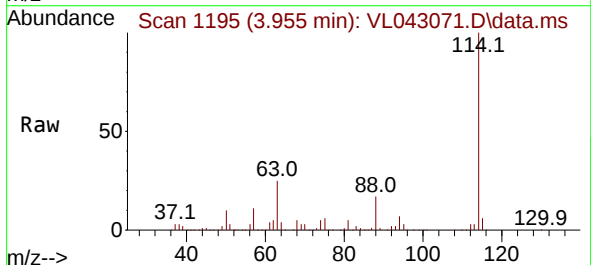
Instrument :
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 OA1DL

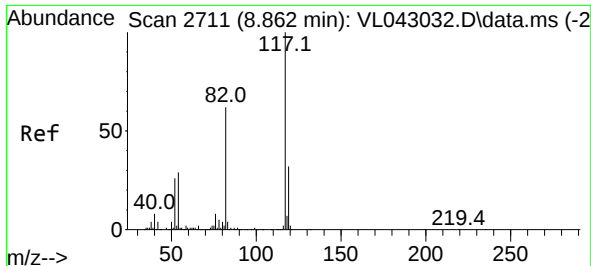
Tgt Ion:114 Resp: 425630
 Ion Ratio Lower Upper
 114 100
 63 25.3 19.4 29.2
 88 17.5 13.9 20.9



#39
 1,2-Dichloropropane
 Concen: 7.140 ppbv
 RT: 3.955 min Scan# 1195
 Delta R.T. -0.337 min
 Lab File: VL043071.D
 Acq: 08 Oct 2025 22:43

Tgt Ion: 63 Resp: 107630
 Ion Ratio Lower Upper
 63 100
 41 0.2 61.6 92.4#
 62 18.2 58.1 87.1#

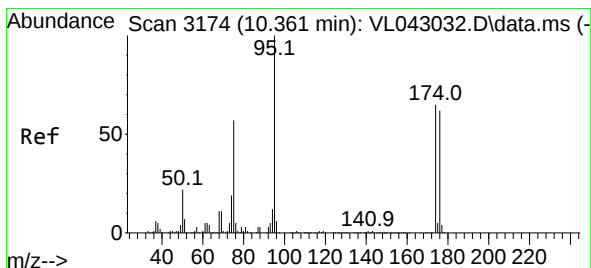
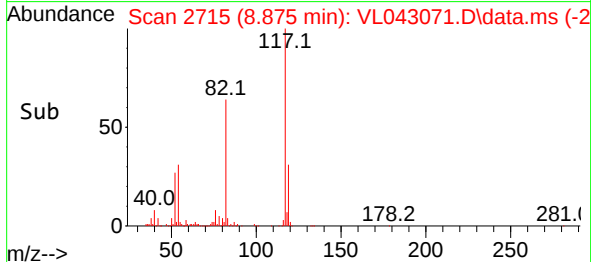
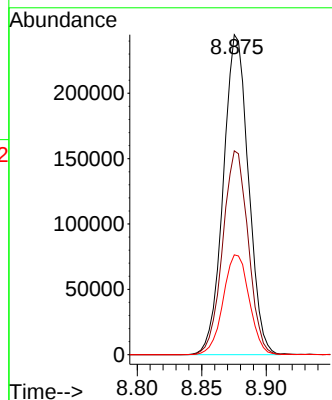
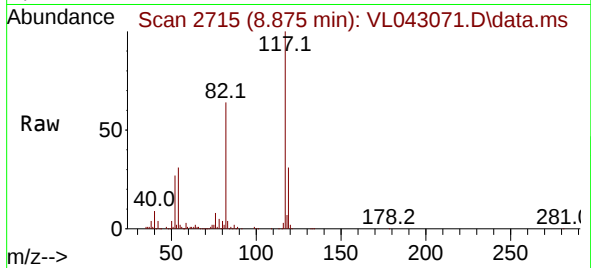




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

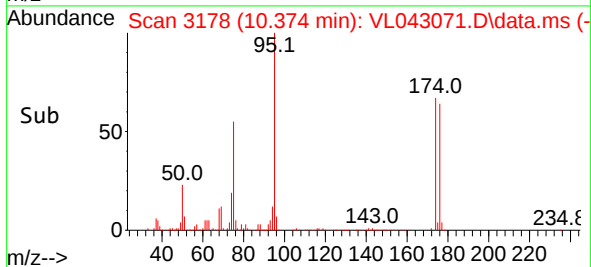
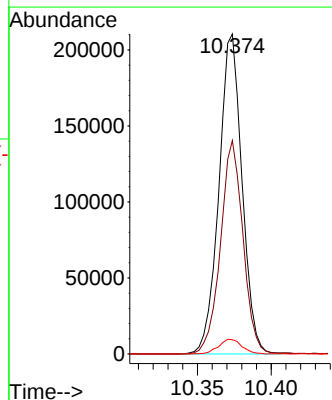
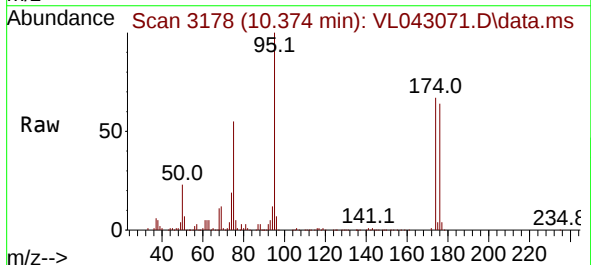
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

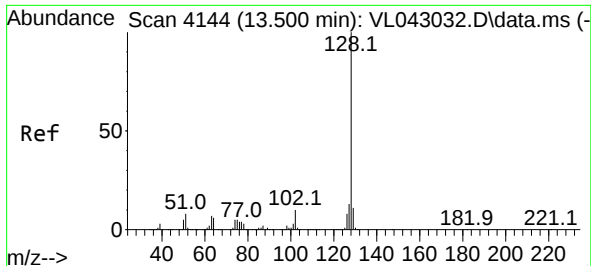
Tgt Ion:117 Resp: 331771
Ion Ratio Lower Upper
117 100
82 64.6 53.0 79.6
119 32.4 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.590 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.013 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

Tgt Ion: 95 Resp: 229192
Ion Ratio Lower Upper
95 100
174 65.6 52.3 78.5
175 4.7 3.8 5.8

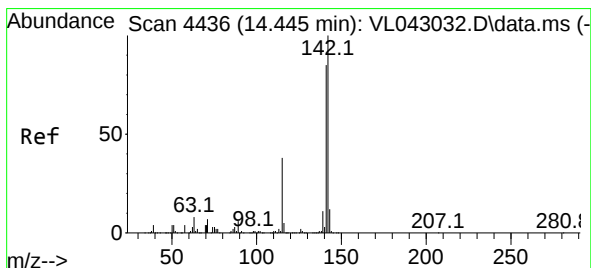
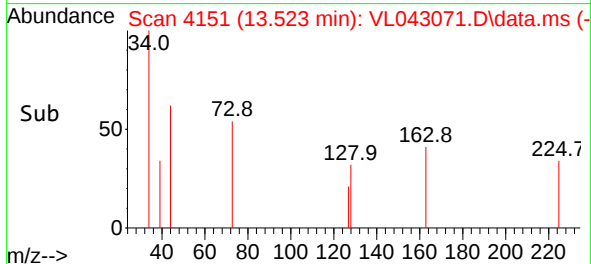
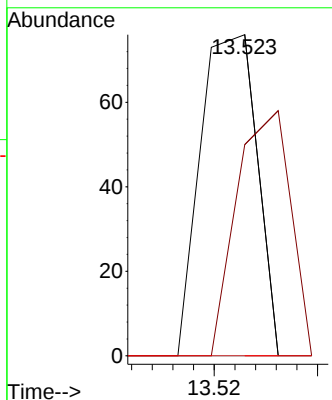
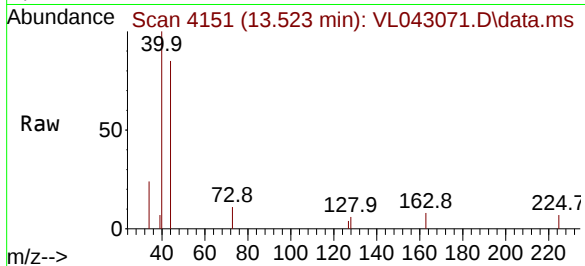




#79
Naphthalene
Concen: 0.235 ppbv
RT: 13.523 min Scan# 4144
Delta R.T. 0.023 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

Instrument :
MSVOA_L
ClientSampleId :
OA1DL

Tgt Ion:128 Resp: 29
Ion Ratio Lower Upper
128 100
127 65.8 10.6 16.0#
129 0.0 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.665 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.023 min
Lab File: VL043071.D
Acq: 08 Oct 2025 22:43

Tgt Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
141 164.4 66.6 100.0#
115 0.0 30.1 45.1#

