

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090425\
 Data File : VL042895.D
 Acq On : 04 Sep 2025 18:05
 Operator : SY/MD
 Sample : Q3000-03DL 10X
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 05 01:24:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

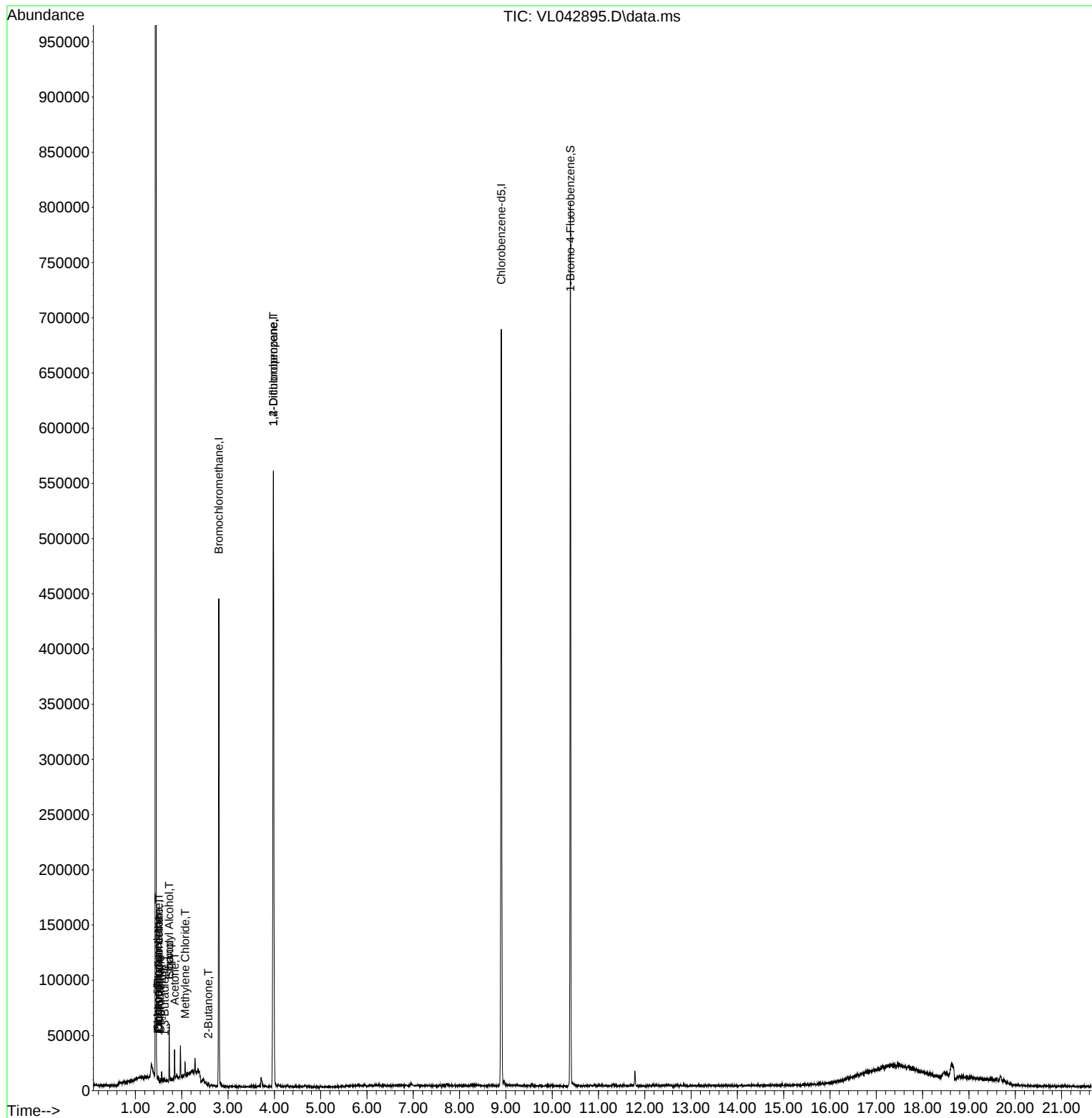
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

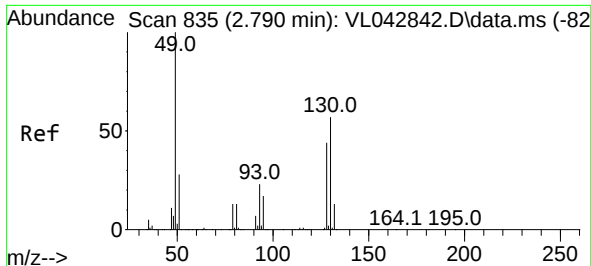
Internal Standards						
1) Bromochloromethane	2.800	49	121196	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.978	114	316343	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.901	117	265622	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	199318	10.005	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.100%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.502	85	1047	0.059	ppbv	91
3) Chlorodifluoromethane	1.483	51	2127	0.108	ppbv	99
4) Chloromethane	1.538	50	872	0.122	ppbv #	84
8) Dichlorotetrafluoroethane	1.502	85	1047	0.072	ppbv #	20
9) Propene	1.489	41	532	0.063	ppbv #	49
13) Ethanol	1.729	45	16239	20.946	ppbv	95
15) Acetone	1.845	43	11606	0.724	ppbv	98
16) 1,3-Butadiene	1.629	39	304	0.042	ppbv #	42
19) Isopropyl Alcohol	1.729	45	16239	1.696	ppbv #	68
20) Methylene Chloride	2.072	84	1893	0.282	ppbv #	76
34) 2-Butanone	2.574	43	1962	0.092	ppbv	97
39) 1,2-Dichloropropane	3.978	63	84250	7.615	ppbv #	27

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

Instrument :
MSVOA_L
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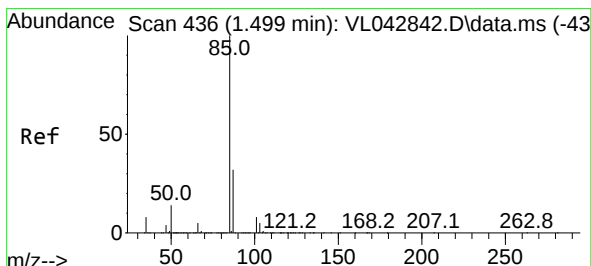
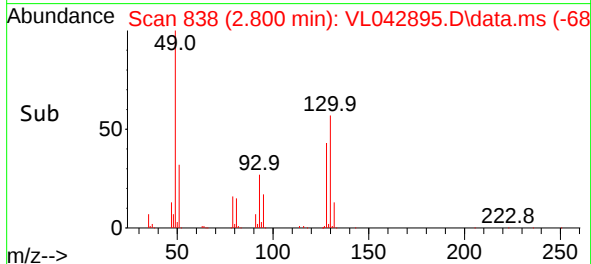
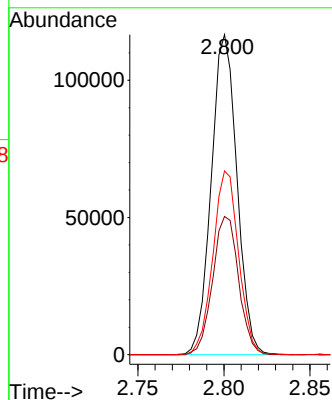
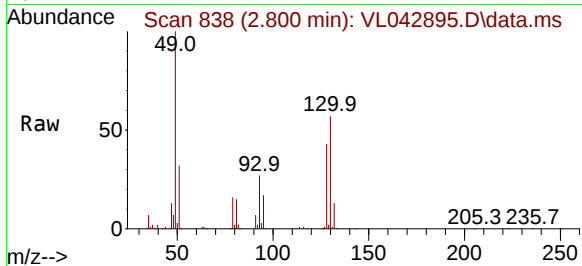




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.800 min Scan# 81
 Delta R.T. 0.010 min
 Lab File: VL042895.D
 Acq: 04 Sep 2025 18:05

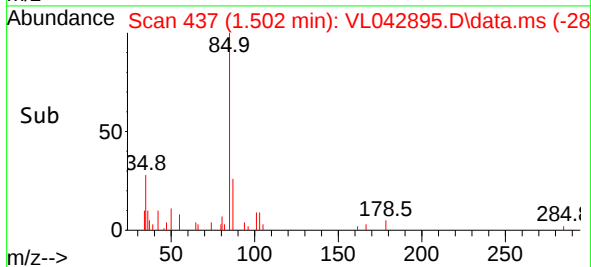
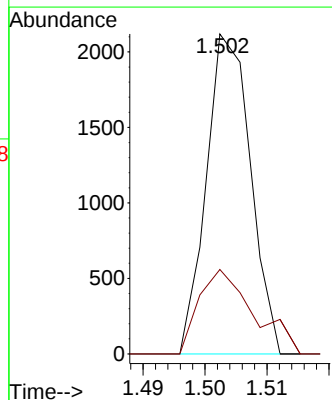
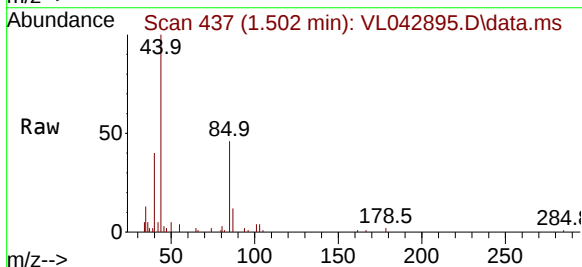
Instrument :
 MSVOA_L
 ClientSampleId :

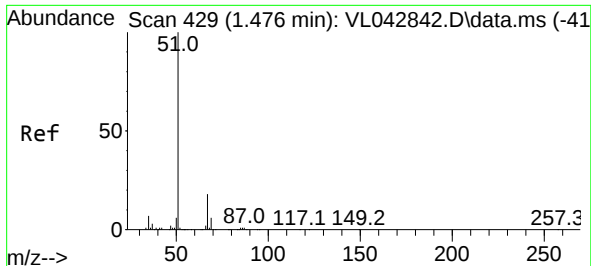
Tgt Ion: 49 Resp: 121196
 Ion Ratio Lower Upper
 49 100
 128 43.8 23.7 71.1
 130 57.4 30.6 91.6



#2
 Dichlorodifluoromethane
 Concen: 0.059 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.004 min
 Lab File: VL042895.D
 Acq: 04 Sep 2025 18:05

Tgt Ion: 85 Resp: 1047
 Ion Ratio Lower Upper
 85 100
 87 26.4 25.3 37.9

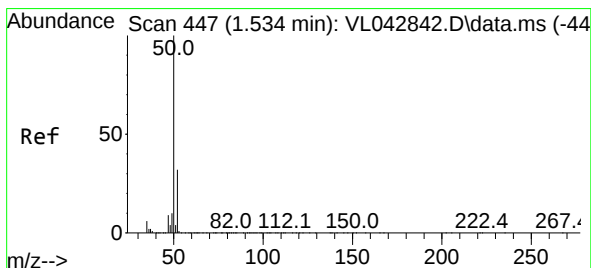
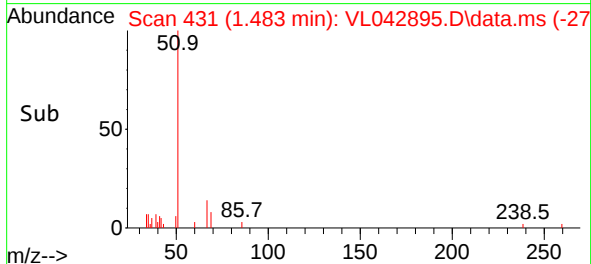
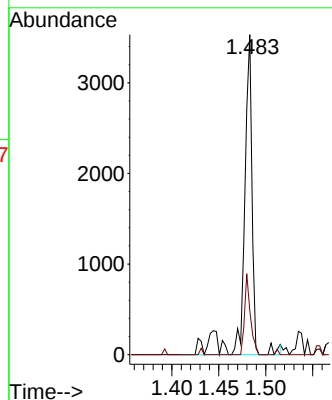
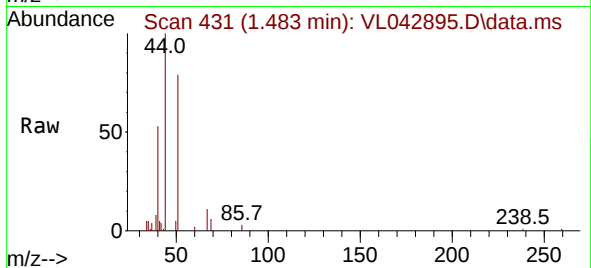




#3
Chlorodifluoromethane
Concen: 0.108 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

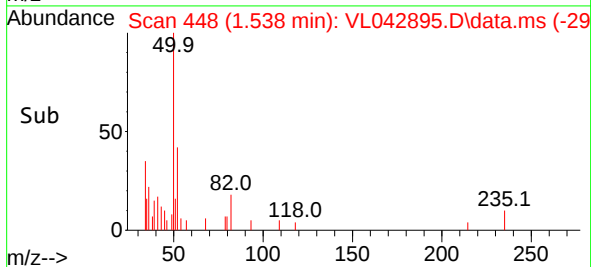
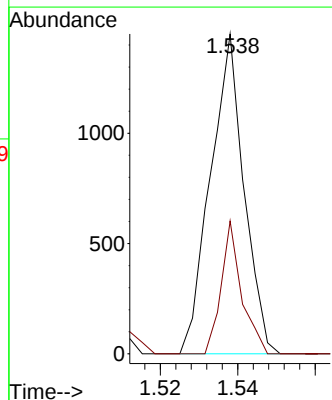
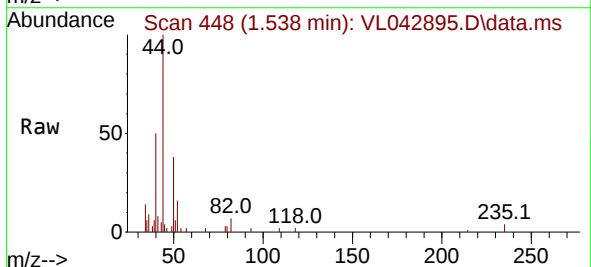
Instrument :
MSVOA_L
ClientSampleId :

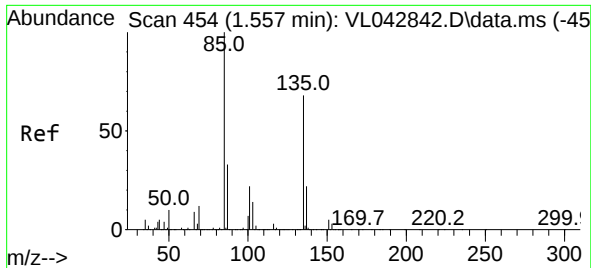
Tgt Ion: 51 Resp: 2127
Ion Ratio Lower Upper
51 100
67 18.1 14.9 22.3



#4
Chloromethane
Concen: 0.122 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.004 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

Tgt Ion: 50 Resp: 872
Ion Ratio Lower Upper
50 100
52 41.5 25.9 38.9#

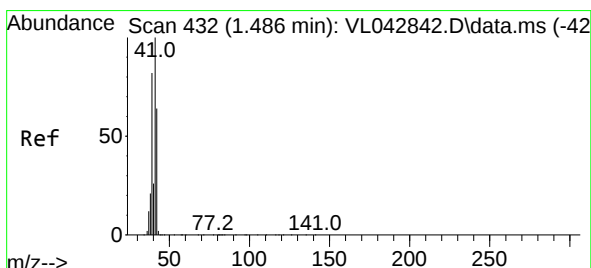
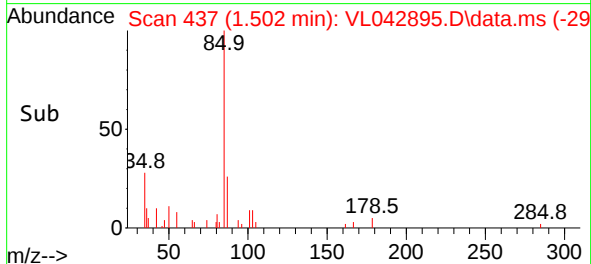
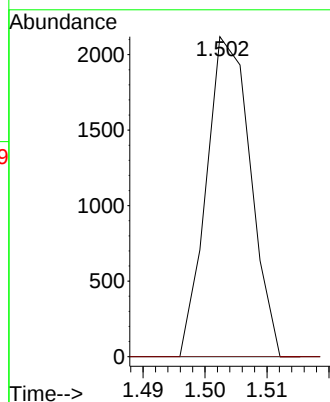
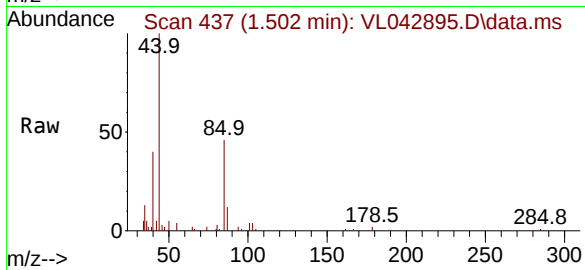




#8
 Dichlorotetrafluoroethane
 Concen: 0.072 ppbv
 RT: 1.502 min Scan# 41
 Delta R.T. -0.055 min
 Lab File: VL042895.D
 Acq: 04 Sep 2025 18:05

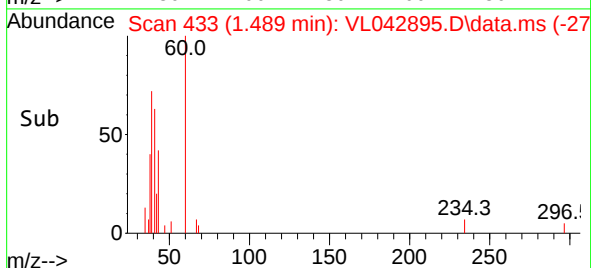
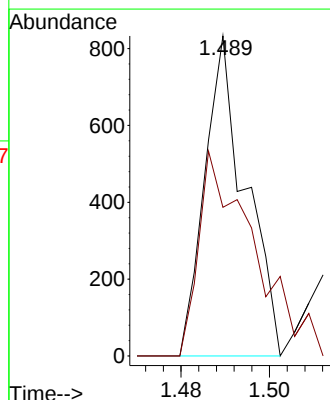
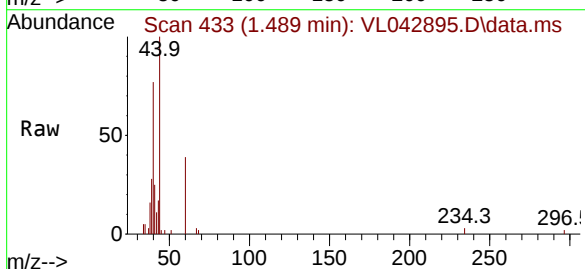
Instrument :
 MSVOA_L
 ClientSampleId :

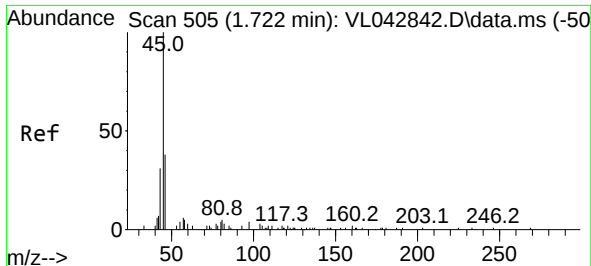
Tgt Ion: 85 Resp: 1047
 Ion Ratio Lower Upper
 85 100
 135 1.3 51.2 76.8#



#9
 Propene
 Concen: 0.063 ppbv
 RT: 1.489 min Scan# 433
 Delta R.T. 0.004 min
 Lab File: VL042895.D
 Acq: 04 Sep 2025 18:05

Tgt Ion: 41 Resp: 532
 Ion Ratio Lower Upper
 41 100
 42 107.0 53.0 79.4#

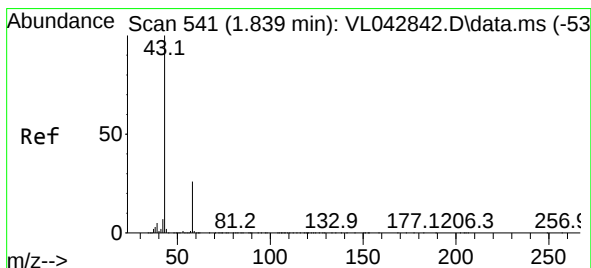
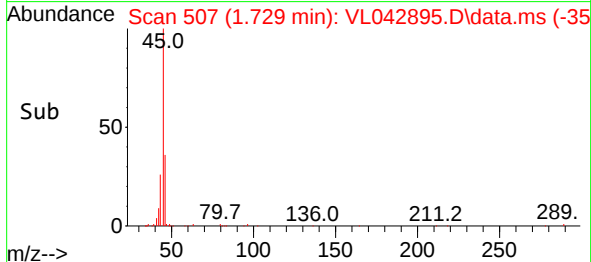
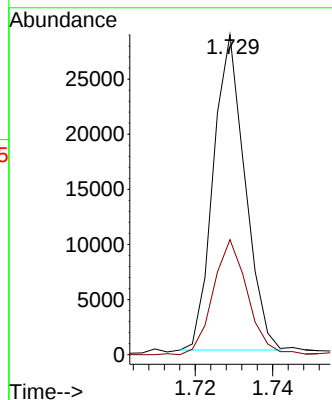
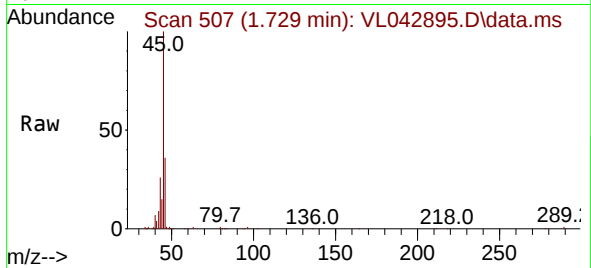




#13
Ethanol
Concen: 20.946 ppbv
RT: 1.729 min Scan# 505
Delta R.T. 0.007 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

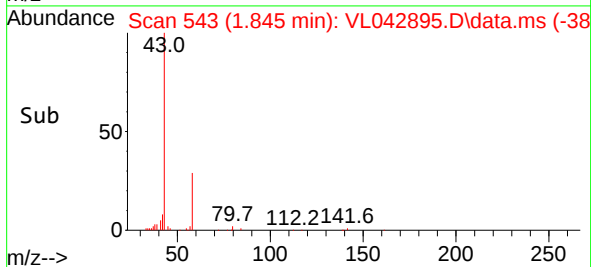
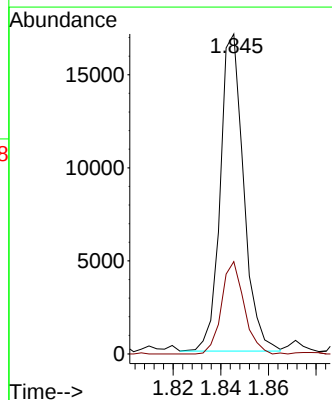
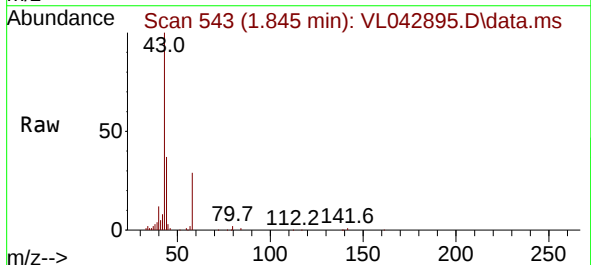
Instrument :
MSVOA_L
ClientSampleId :

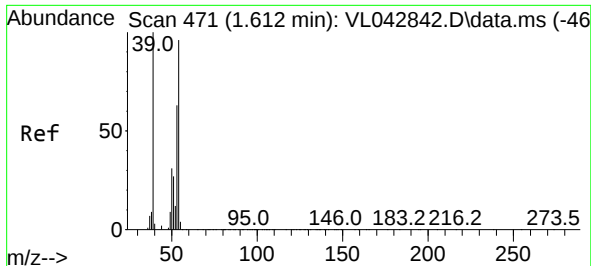
Tgt Ion: 45 Resp: 16239
Ion Ratio Lower Upper
45 100
46 40.2 17.5 69.9



#15
Acetone
Concen: 0.724 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.007 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

Tgt Ion: 43 Resp: 11606
Ion Ratio Lower Upper
43 100
58 29.2 22.4 33.6

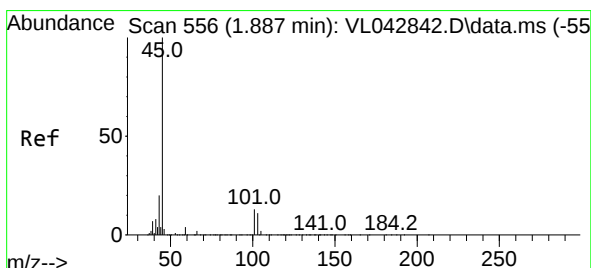
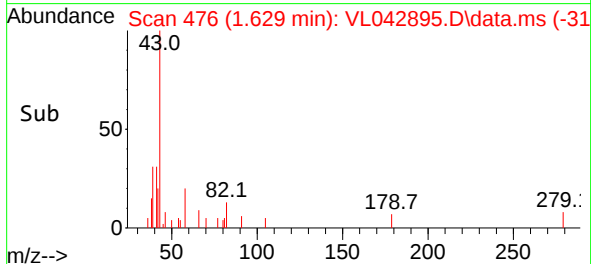
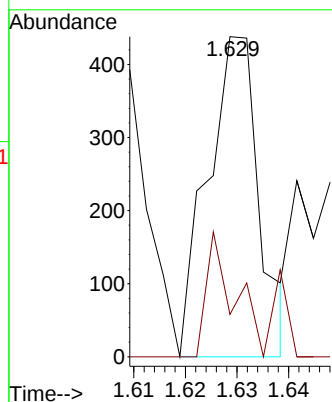
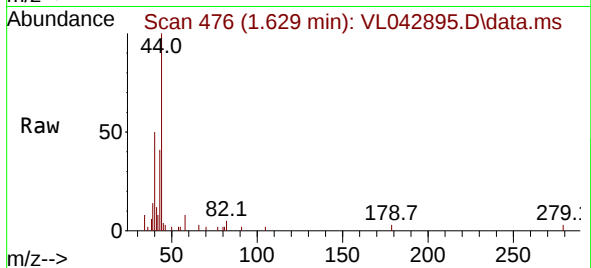




#16
1,3-Butadiene
Concen: 0.042 ppbv
RT: 1.629 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

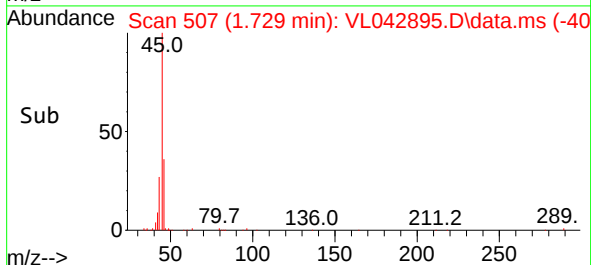
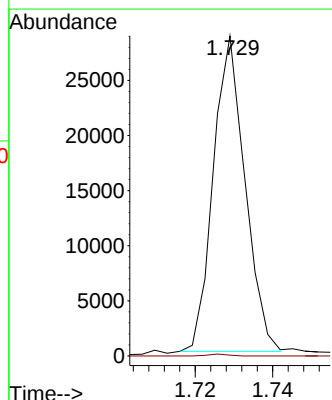
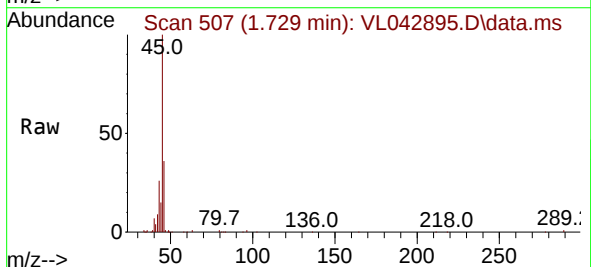
Instrument :
MSVOA_L
ClientSampleId :

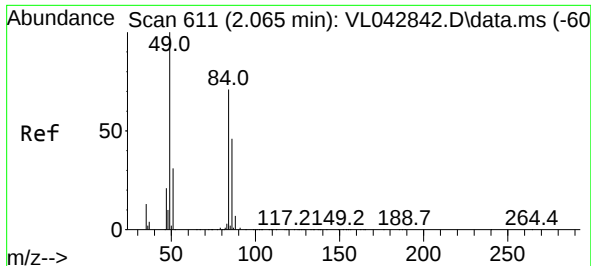
Tgt Ion: 39 Resp: 304
Ion Ratio Lower Upper
39 100
54 28.6 63.6 95.4#



#19
Isopropyl Alcohol
Concen: 1.696 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.158 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

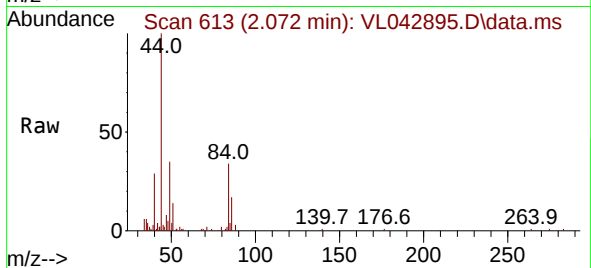
Tgt Ion: 45 Resp: 16239
Ion Ratio Lower Upper
45 100
58 20.9 32.7 49.1#



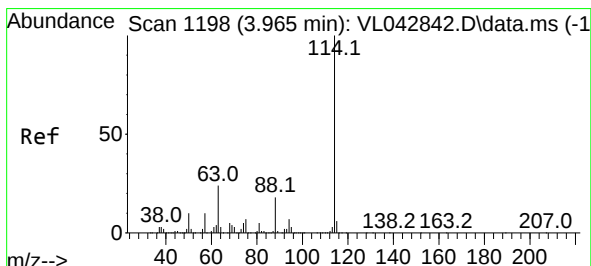
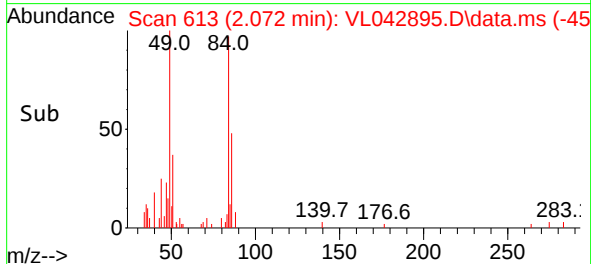
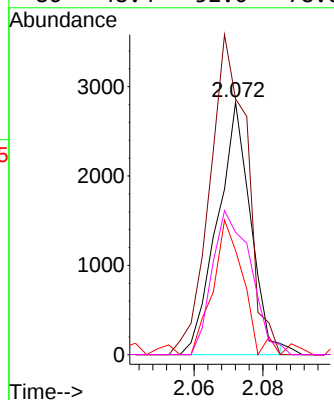


#20
Methylene Chloride
Concen: 0.282 ppbv
RT: 2.072 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :

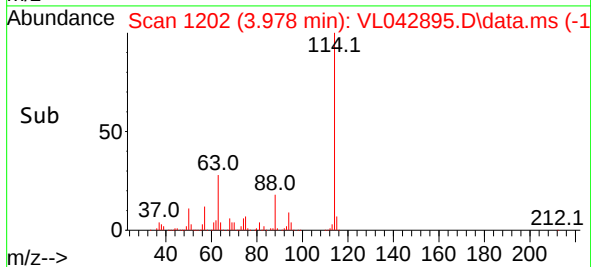
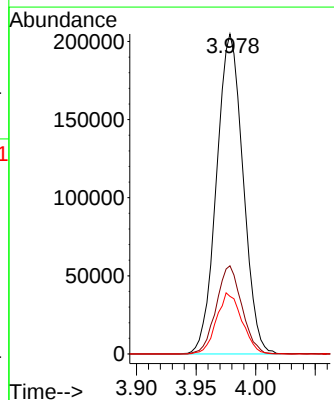
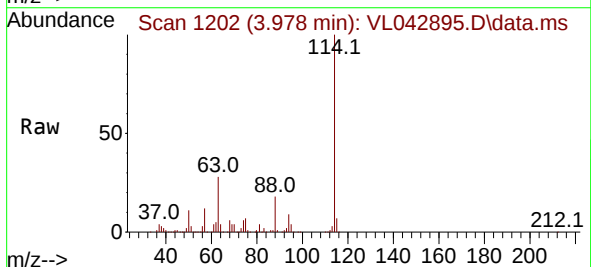


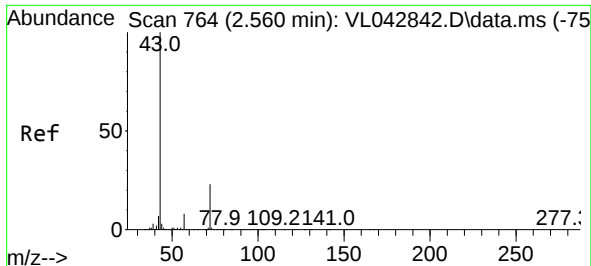
Tgt Ion: 84 Resp: 1893
Ion Ratio Lower Upper
84 100
49 101.4 112.3 168.5#
51 41.3 36.0 54.0
86 48.4 52.0 78.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.013 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

Tgt Ion: 114 Resp: 316343
Ion Ratio Lower Upper
114 100
63 26.7 19.7 29.5
88 18.3 14.4 21.6

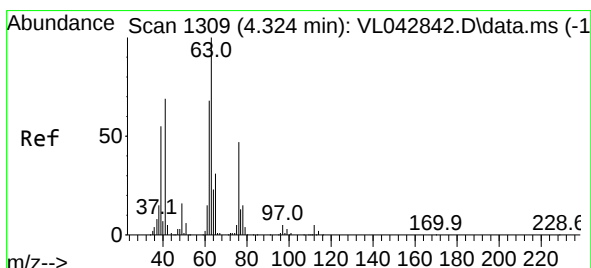
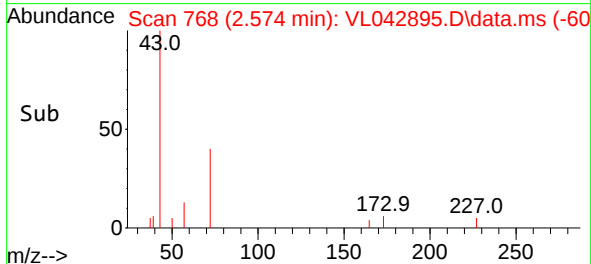
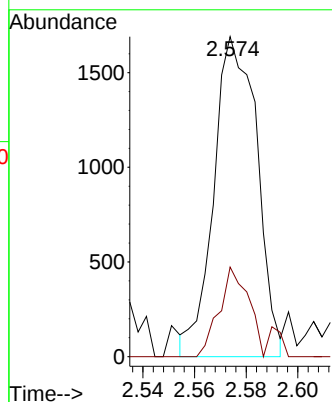
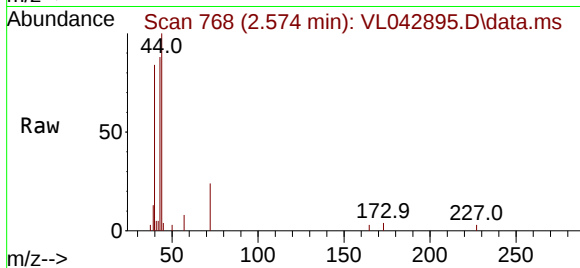




#34
2-Butanone
Concen: 0.092 ppbv
RT: 2.574 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

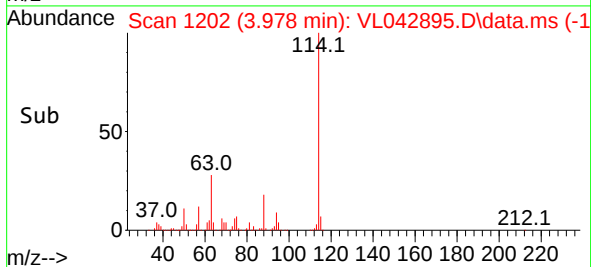
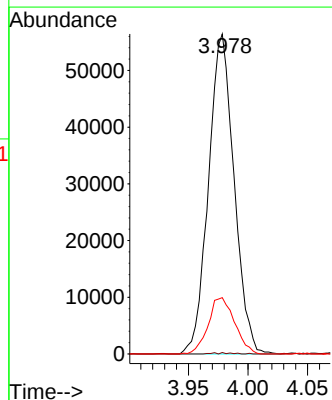
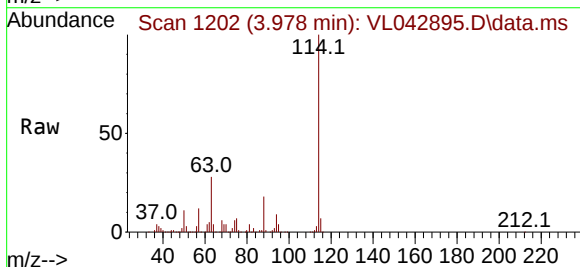
Instrument :
MSVOA_L
ClientSampleId :

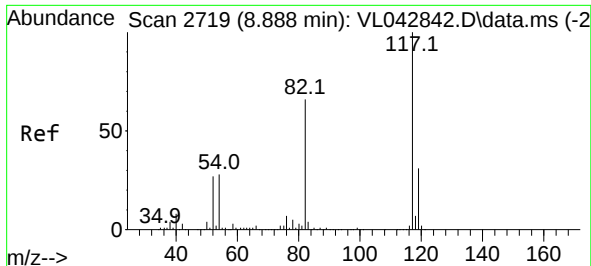
Tgt Ion: 43 Resp: 1962
Ion Ratio Lower Upper
43 100
72 21.9 18.6 28.0



#39
1,2-Dichloropropane
Concen: 7.615 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. -0.346 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

Tgt Ion: 63 Resp: 84250
Ion Ratio Lower Upper
63 100
41 0.4 55.0 82.4#
62 17.6 54.4 81.6#

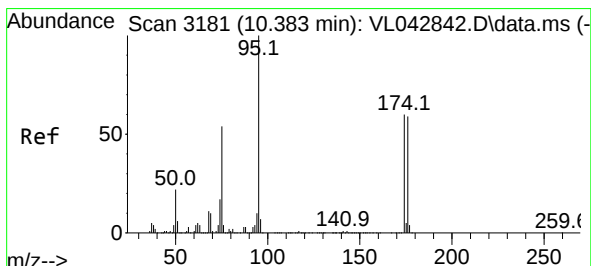
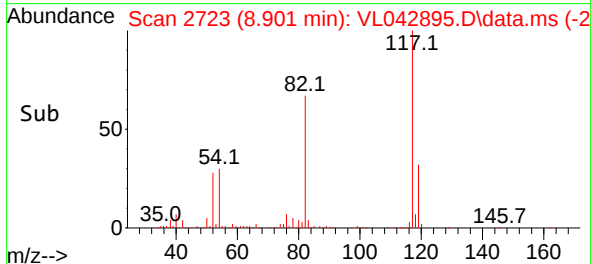
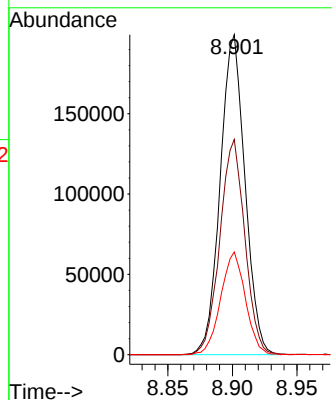
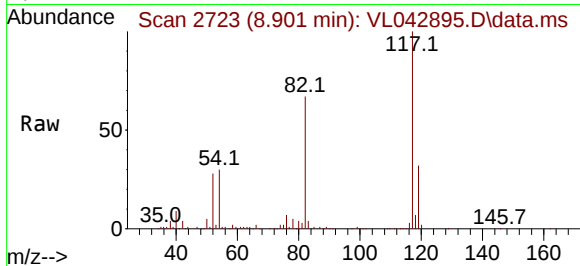




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 265622
Ion Ratio Lower Upper
117 100
82 68.0 54.6 81.8
119 32.1 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.005 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.010 min
Lab File: VL042895.D
Acq: 04 Sep 2025 18:05

Tgt Ion: 95 Resp: 199318
Ion Ratio Lower Upper
95 100
174 56.1 48.4 72.6
175 3.7 3.8 5.8

