

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042973.D
 Acq On : 23 Sep 2025 00:35
 Operator : SY/MD
 Sample : Q3130-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 131-1A-1DL

Quant Time: Sep 23 02:59:06 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)

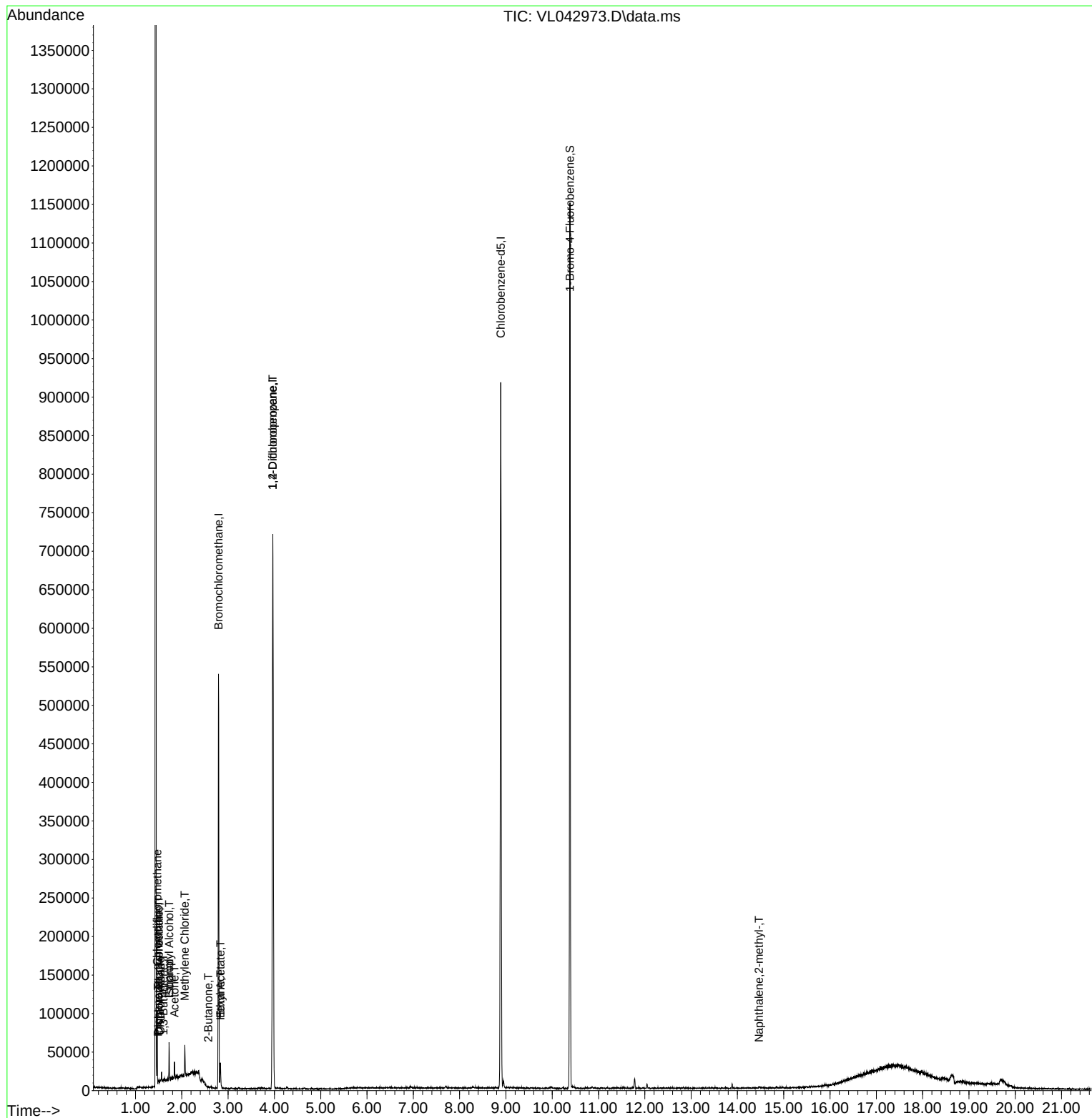
Internal Standards						
1) Bromochloromethane	2.793	49	146639	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	435202	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	382505	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	287241	10.060	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1022	0.052	ppbv	89
3) Chlorodifluoromethane	1.470	51	20859	0.849	ppbv #	63
4) Chloromethane	1.534	50	569	0.064	ppbv #	76
8) Dichlorotetrafluoroethane	1.502	85	1022	0.061	ppbv #	19
9) Propene	1.489	41	432	0.040	ppbv #	76
13) Ethanol	1.725	45	15804	15.234	ppbv	98
15) Acetone	1.842	43	8805	0.461	ppbv	99
16) 1,3-Butadiene	1.606	39	386	0.043	ppbv #	11
19) Isopropyl Alcohol	1.725	45	15804	1.376	ppbv #	38
20) Methylene Chloride	2.065	84	5285	0.277	ppbv	89
25) Ethyl Acetate	2.832	43	7028	0.146	ppbv #	86
26) Hexane	2.836	57	7400	0.336	ppbv #	49
34) 2-Butanone	2.573	43	1361	0.045	ppbv #	83
39) 1,2-Dichloropropane	3.965	63	108724	7.287	ppbv #	24
80) Naphthalene,2-methyl-	14.465	142	1186	0.078	ppbv	91

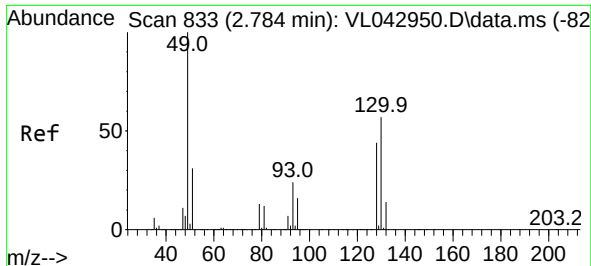
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400mL/MSVOA_L
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Instrument :
MSVOA_L
ClientSampleId :
131-1A-1DL

Quant Time: Sep 23 02:59:06 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
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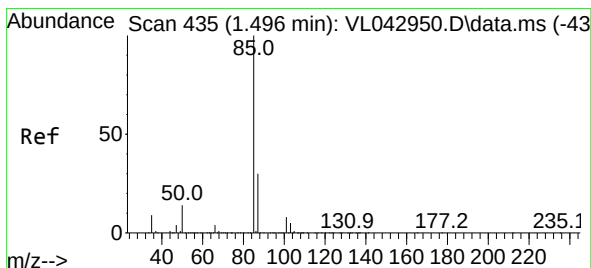
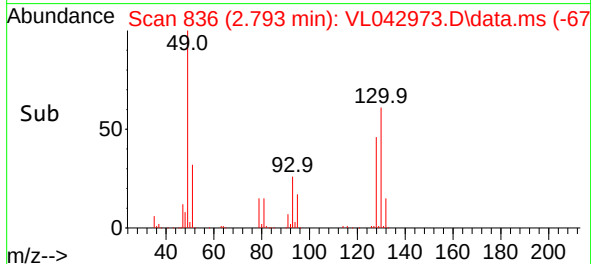
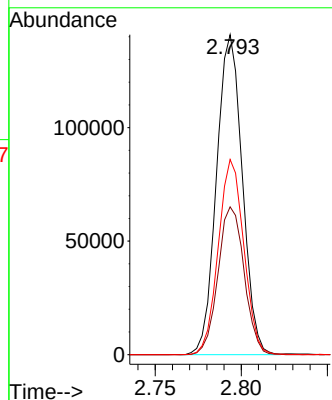
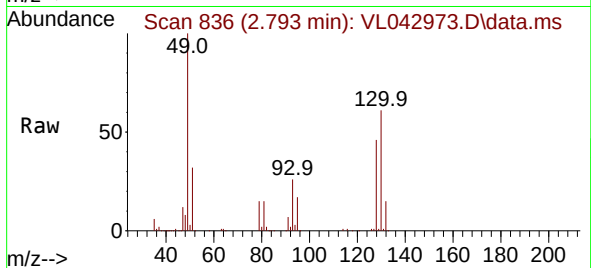




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.793 min Scan# 81
 Delta R.T. 0.009 min
 Lab File: VL042973.D
 Acq: 23 Sep 2025 00:35

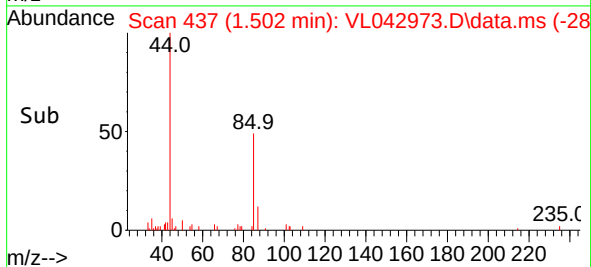
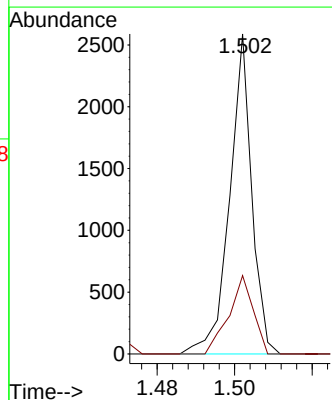
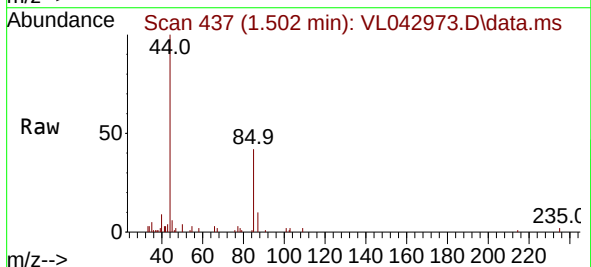
Instrument :
 MSVOA_L
 ClientSampleId :
 131-1A-1DL

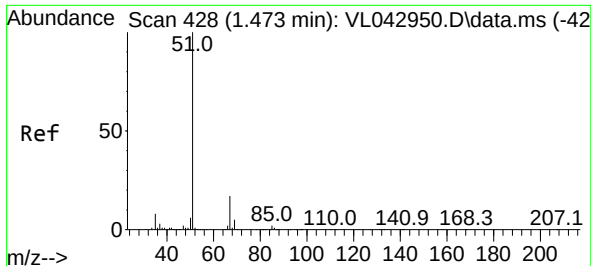
Tgt Ion: 49 Resp: 146639
 Ion Ratio Lower Upper
 49 100
 128 46.9 22.9 68.8
 130 60.5 29.1 87.3



#2
 Dichlorodifluoromethane
 Concen: 0.052 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.006 min
 Lab File: VL042973.D
 Acq: 23 Sep 2025 00:35

Tgt Ion: 85 Resp: 1022
 Ion Ratio Lower Upper
 85 100
 87 24.5 24.3 36.5

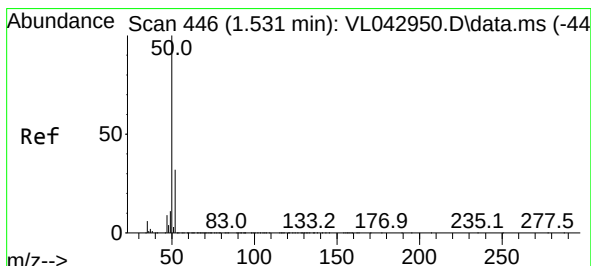
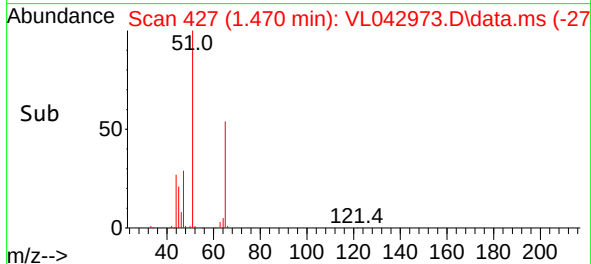
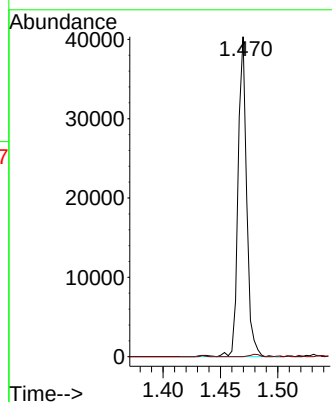
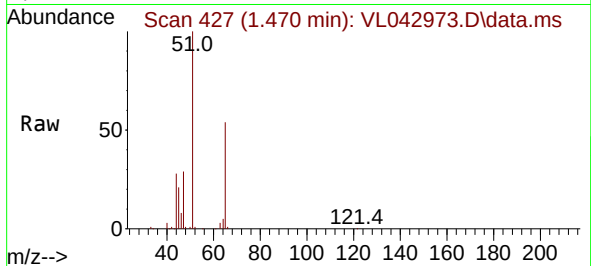




#3
Chlorodifluoromethane
Concen: 0.849 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

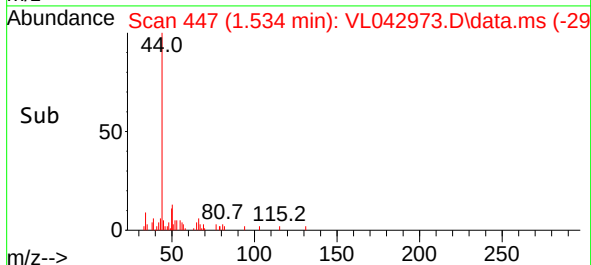
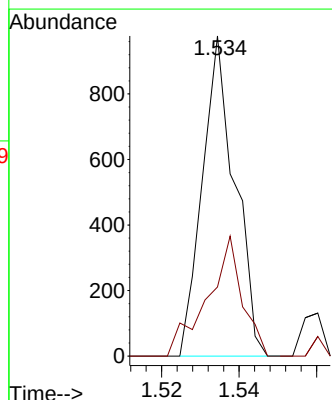
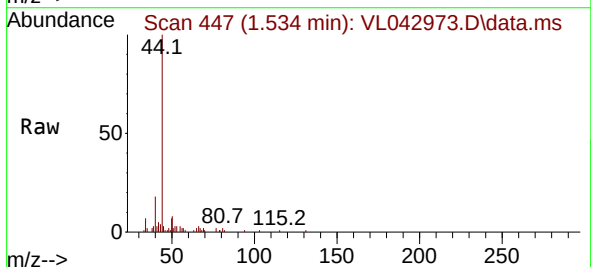
Instrument :
MSVOA_L
ClientSampleId :
131-1A-1DL

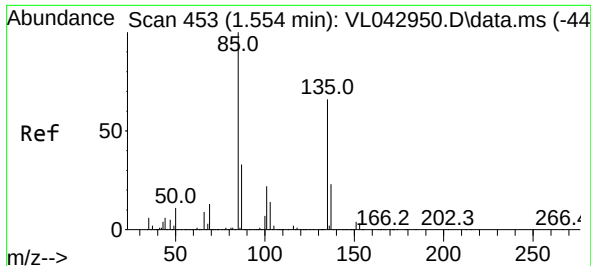
Tgt Ion: 51 Resp: 20859
Ion Ratio Lower Upper
51 100
67 1.1 13.8 20.8#



#4
Chloromethane
Concen: 0.064 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Tgt Ion: 50 Resp: 569
Ion Ratio Lower Upper
50 100
52 19.1 25.9 38.9#

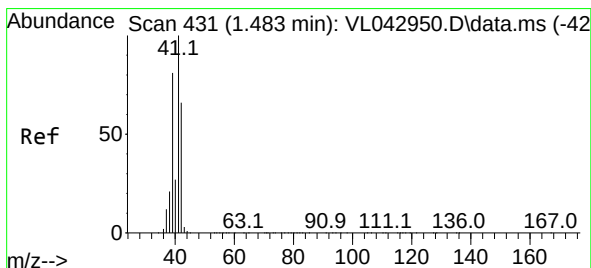
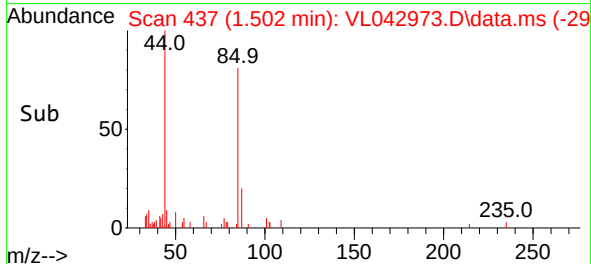
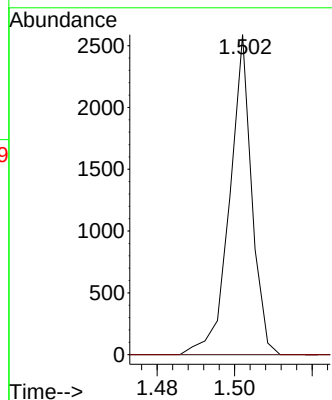
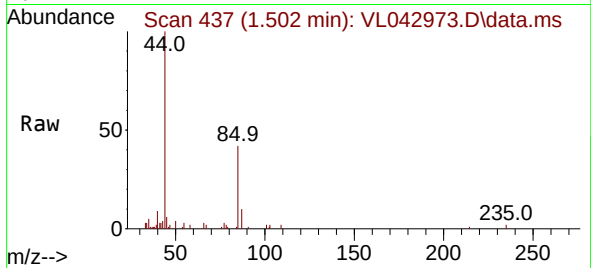




#8
Dichlorotetrafluoroethane
Concen: 0.061 ppbv
RT: 1.502 min Scan# 41
Delta R.T. -0.052 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

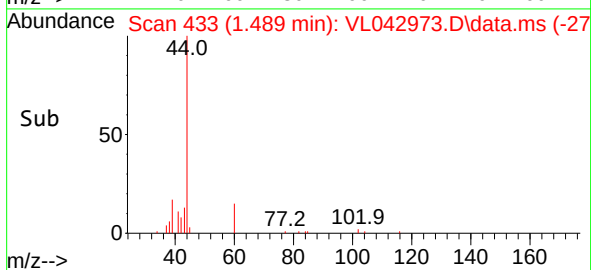
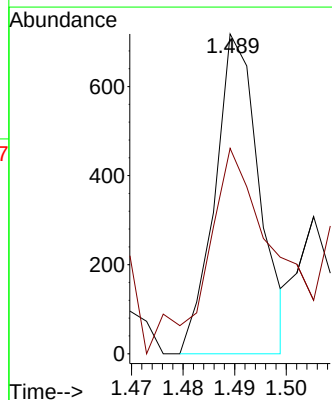
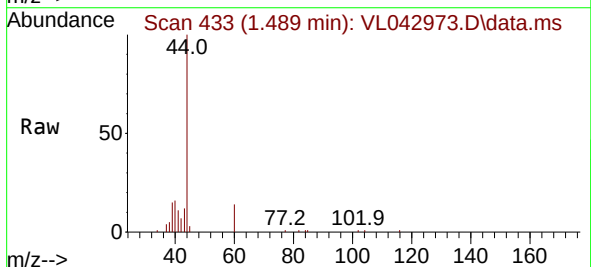
Instrument :
MSVOA_L
ClientSampleId :
131-1A-1DL

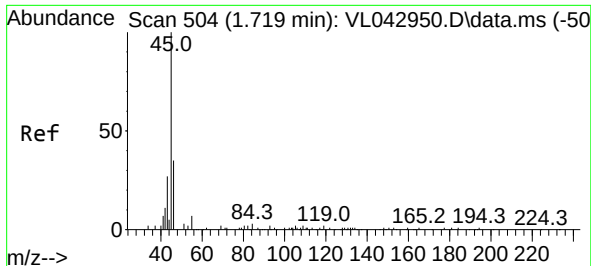
Tgt Ion: 85 Resp: 1022
Ion Ratio Lower Upper
85 100
135 0.0 49.7 74.5#



#9
Propene
Concen: 0.040 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Tgt Ion: 41 Resp: 432
Ion Ratio Lower Upper
41 100
42 91.7 57.4 86.2#

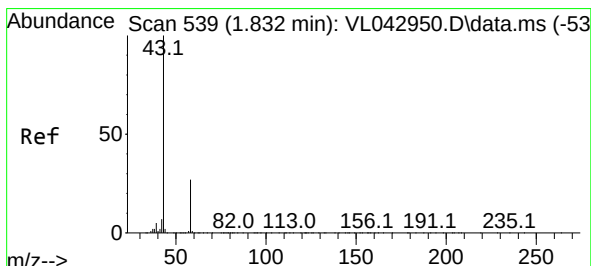
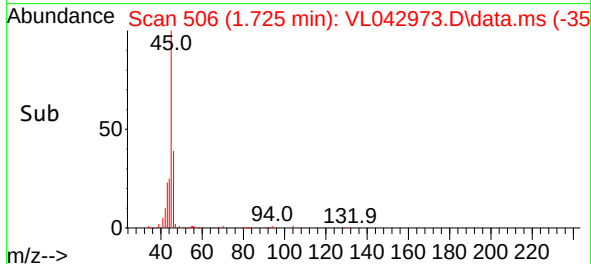
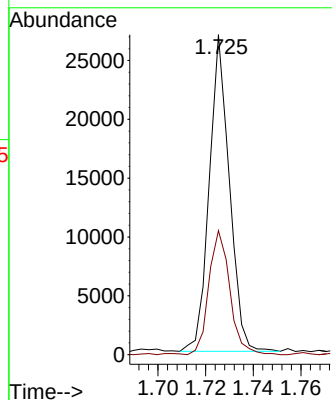
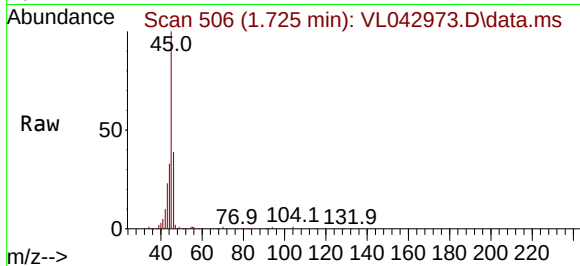




#13
 Ethanol
 Concen: 15.234 ppbv
 RT: 1.725 min Scan# 504
 Delta R.T. 0.006 min
 Lab File: VL042973.D
 Acq: 23 Sep 2025 00:35

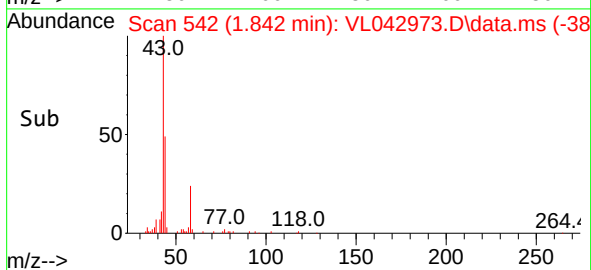
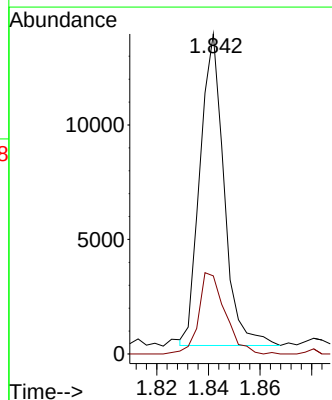
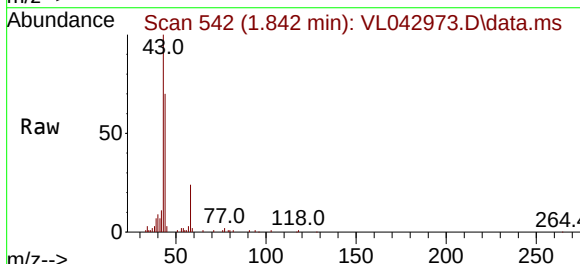
Instrument :
 MSVOA_L
 ClientSampleId :
 131-1A-1DL

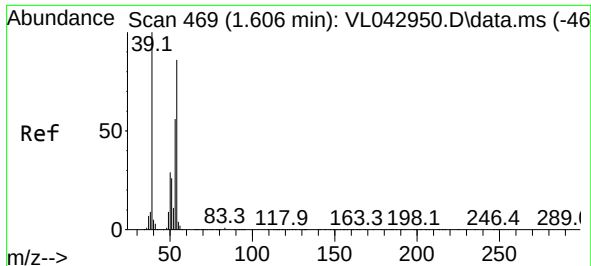
Tgt Ion: 45 Resp: 15804
 Ion Ratio Lower Upper
 45 100
 46 41.8 16.2 64.6



#15
 Acetone
 Concen: 0.461 ppbv
 RT: 1.842 min Scan# 542
 Delta R.T. 0.010 min
 Lab File: VL042973.D
 Acq: 23 Sep 2025 00:35

Tgt Ion: 43 Resp: 8805
 Ion Ratio Lower Upper
 43 100
 58 28.7 22.3 33.5

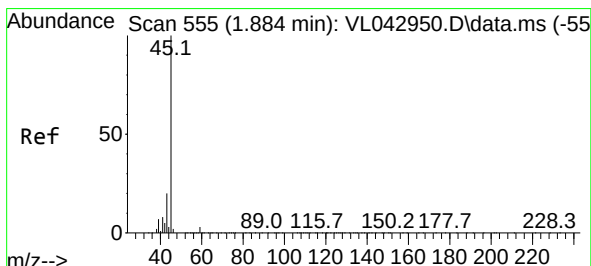
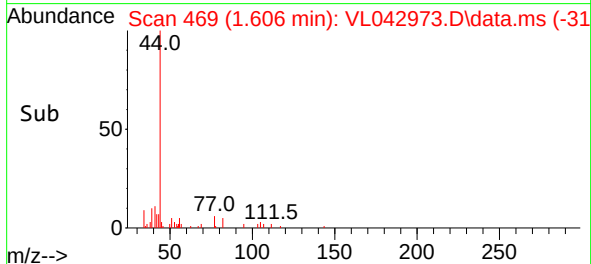
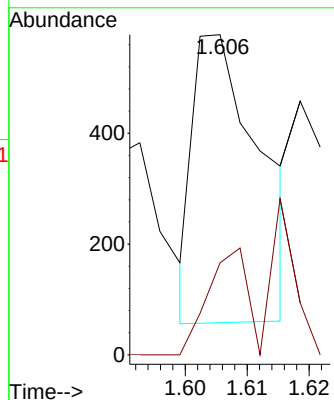
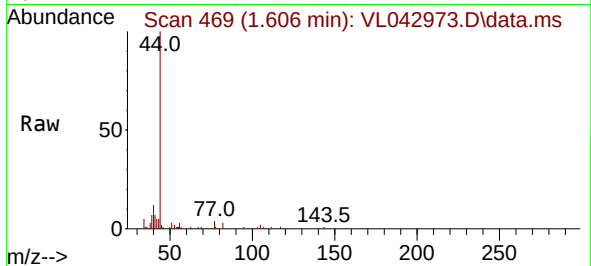




#16
1,3-Butadiene
Concen: 0.043 ppbv
RT: 1.606 min Scan# 406
Delta R.T. -0.000 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

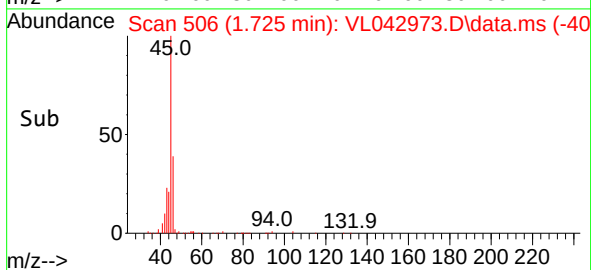
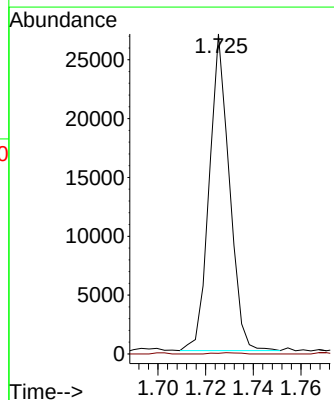
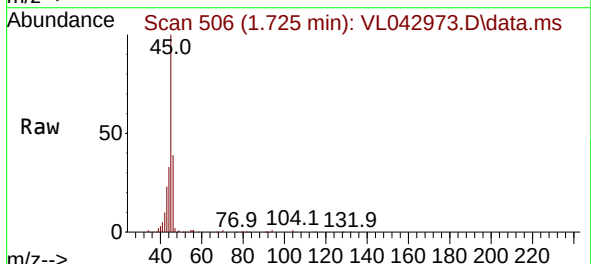
Instrument :
MSVOA_L
ClientSampleId :
131-1A-1DL

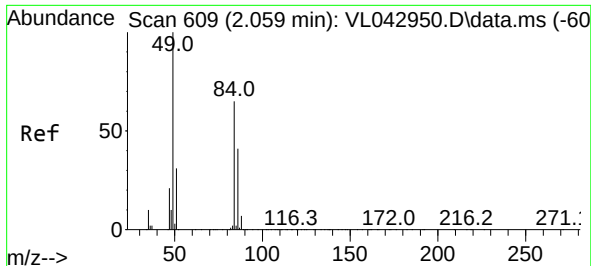
Tgt Ion: 39 Resp: 386
Ion Ratio Lower Upper
39 100
54 0.0 60.8 91.2#



#19
Isopropyl Alcohol
Concen: 1.376 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.159 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Tgt Ion: 45 Resp: 15804
Ion Ratio Lower Upper
45 100
58 0.9 31.0 46.6#



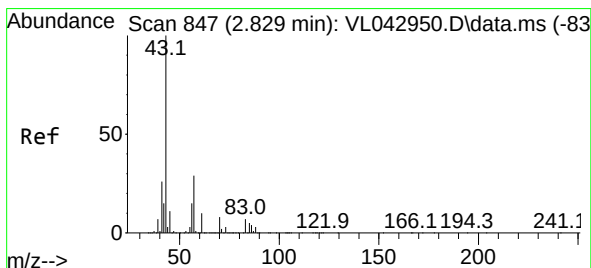
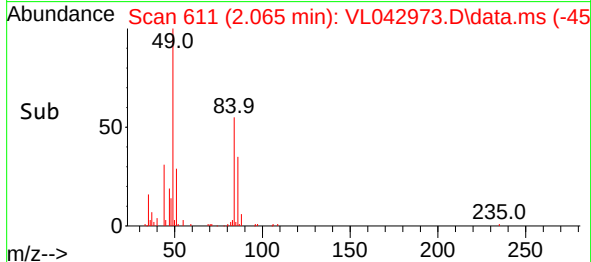
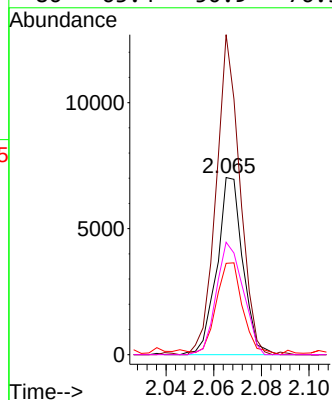
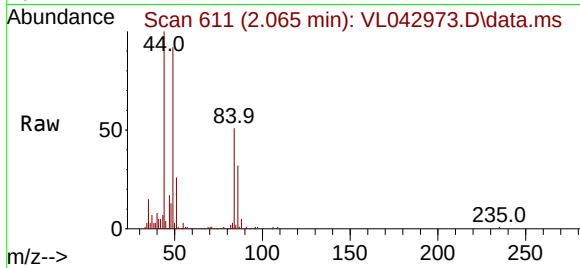


#20
Methylene Chloride
Concen: 0.277 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Instrument :
MSVOA_L
ClientSampleId :
131-1A-1DL

Tgt Ion: 84 Resp: 5285

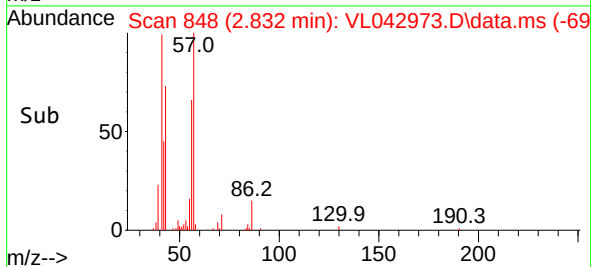
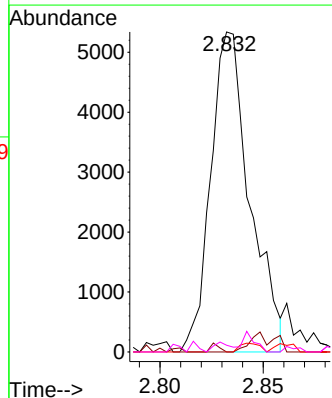
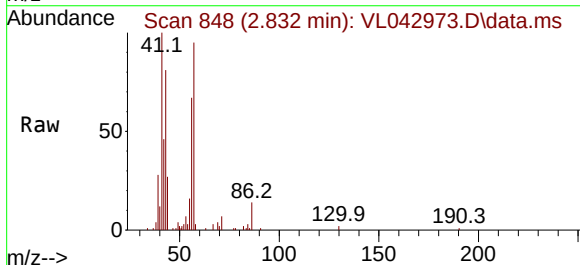
Ion	Ratio	Lower	Upper
84	100		
49	180.6	124.1	186.1
51	49.9	39.8	59.8
86	63.4	50.9	76.3

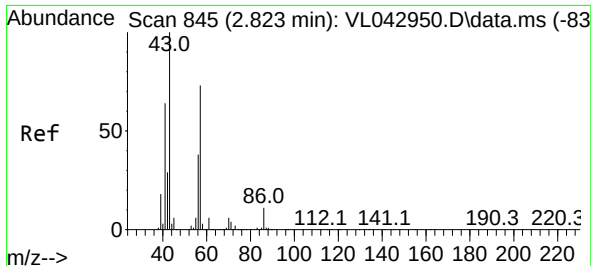


#25
Ethyl Acetate
Concen: 0.146 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Tgt Ion: 43 Resp: 7028

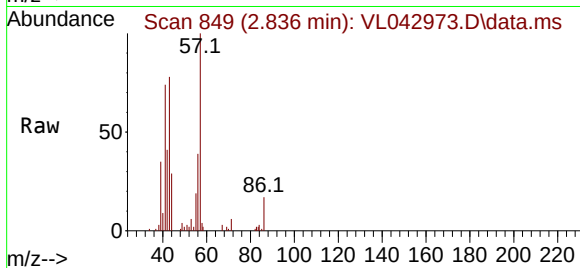
Ion	Ratio	Lower	Upper
43	100		
45	4.3	7.7	11.5#
61	2.6	7.1	10.7#
70	5.2	6.7	10.1#



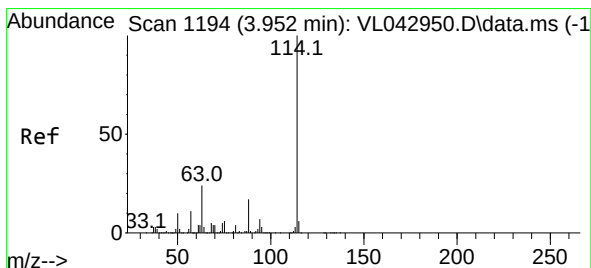
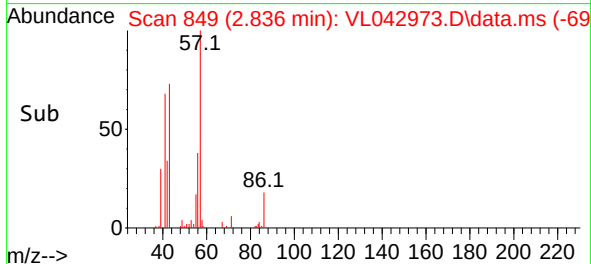
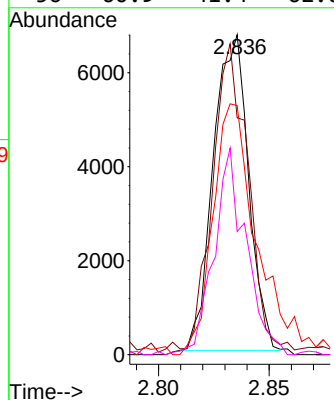


#26
Hexane
Concen: 0.336 ppbv
RT: 2.836 min Scan# 845
Delta R.T. 0.013 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Instrument :
MSVOA_L
ClientSampleId :
131-1A-1DL

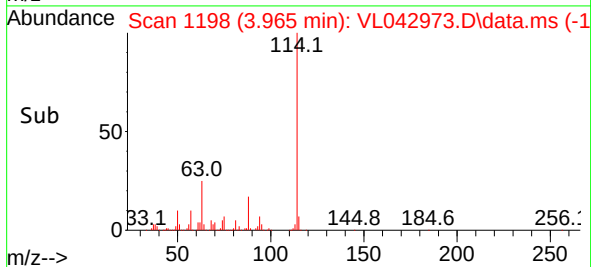
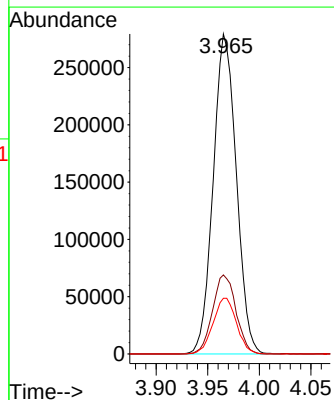
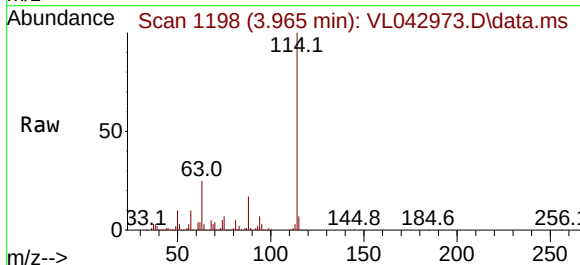


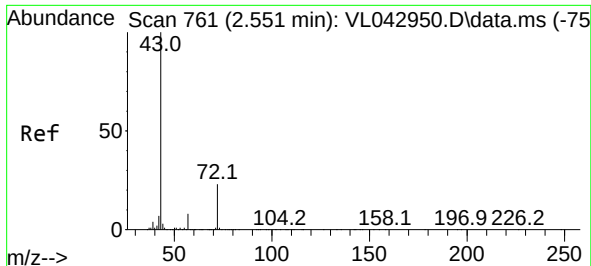
Tgt Ion: 57 Resp: 7400
Ion Ratio Lower Upper
57 100
41 108.4 71.7 107.5#
43 108.1 180.8 271.2#
56 60.9 41.4 62.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.013 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Tgt Ion: 114 Resp: 435202
Ion Ratio Lower Upper
114 100
63 25.0 19.4 29.2
88 17.7 14.2 21.2

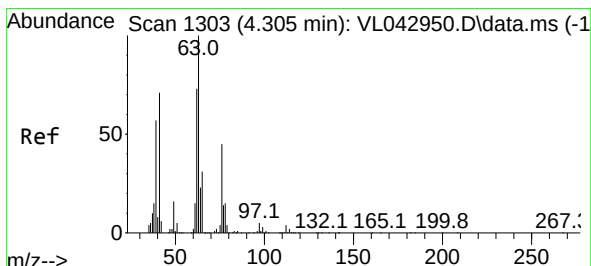
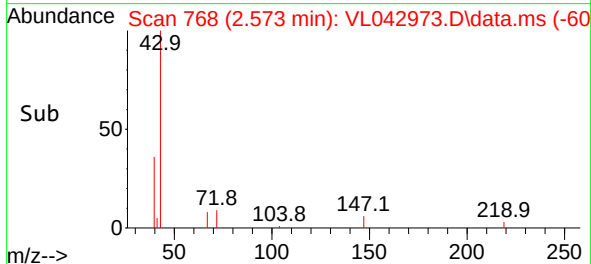
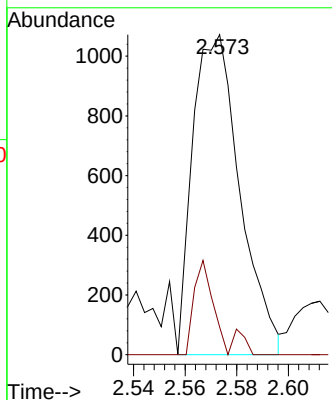
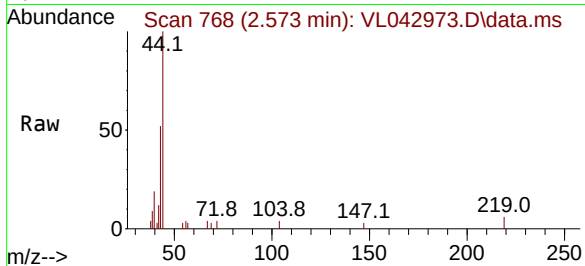




#34
2-Butanone
Concen: 0.045 ppbv
RT: 2.573 min Scan# 761
Delta R.T. 0.023 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

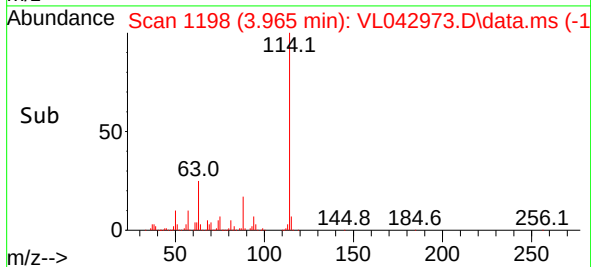
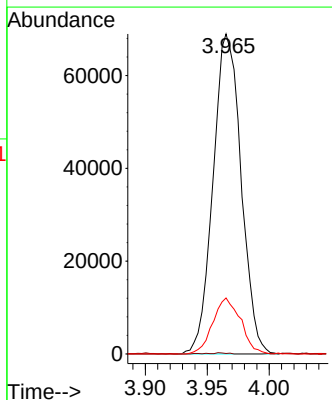
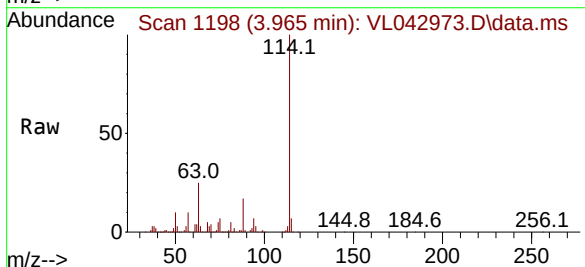
Instrument :
MSVOA_L
ClientSampleId :
131-1A-1DL

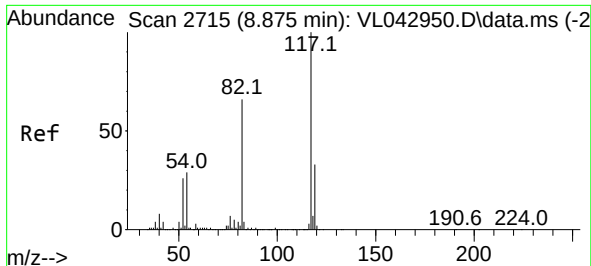
Tgt Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
72 13.9 17.7 26.5#



#39
1,2-Dichloropropane
Concen: 7.287 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.340 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Tgt Ion: 63 Resp: 108724
Ion Ratio Lower Upper
63 100
41 0.2 57.5 86.3#
62 17.5 58.5 87.7#

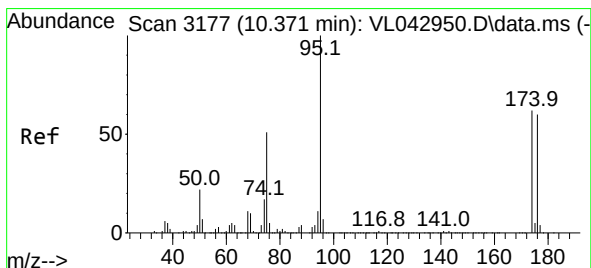
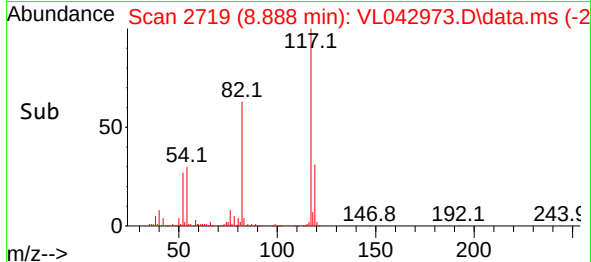
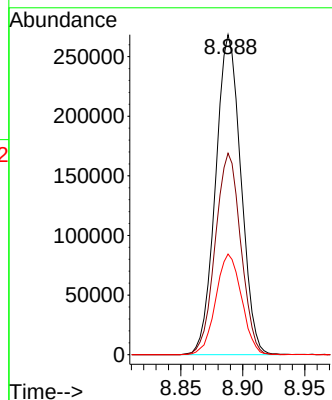
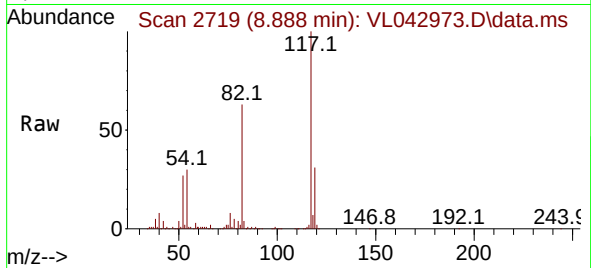




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

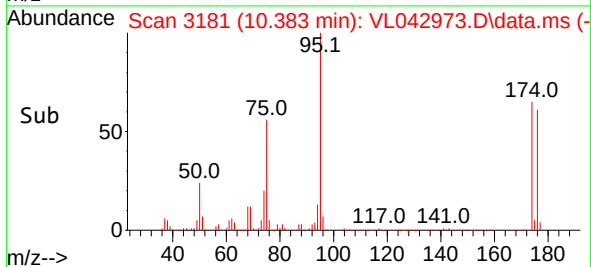
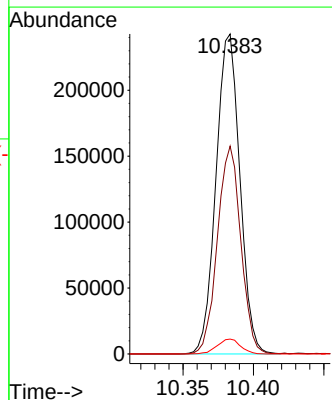
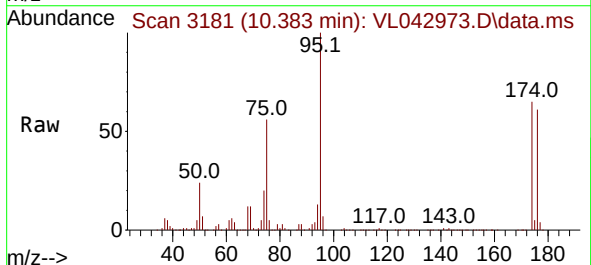
Instrument :
MSVOA_1
ClientSampleId :
131-1A-1DL

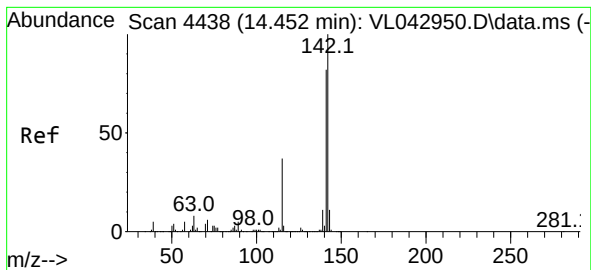
Tgt Ion:117 Resp: 382505
Ion Ratio Lower Upper
117 100
82 63.6 52.8 79.2
119 32.0 26.5 39.7



#68
1-Bromo-4-Fluorobenzene
Concen: 10.060 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.013 min
Lab File: VL042973.D
Acq: 23 Sep 2025 00:35

Tgt Ion: 95 Resp: 287241
Ion Ratio Lower Upper
95 100
174 63.7 51.4 77.2
175 4.5 4.0 6.0





#80

Naphthalene, 2-methyl-

Concen: 0.078 ppbv

RT: 14.465 min Scan# 44

Delta R.T. 0.013 min

Lab File: VL042973.D

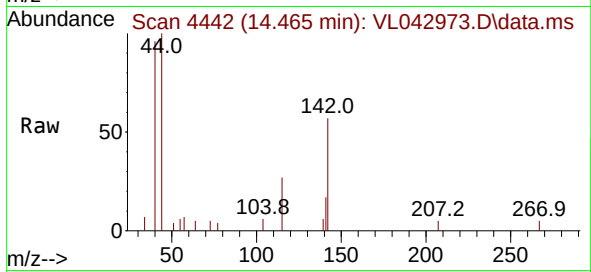
Acq: 23 Sep 2025 00:35

Instrument :

MSVOA_L

ClientSampleId :

131-1A-1DL



Tgt Ion:142 Resp: 1186

Ion Ratio Lower Upper

142 100

141 70.1 65.1 97.7

115 35.6 28.9 43.3

