

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043326.D
 Acq On : 08 Dec 2025 23:01
 Operator : SY/MD
 Sample : Q3797-01DL 30X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Dec 09 01:25:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

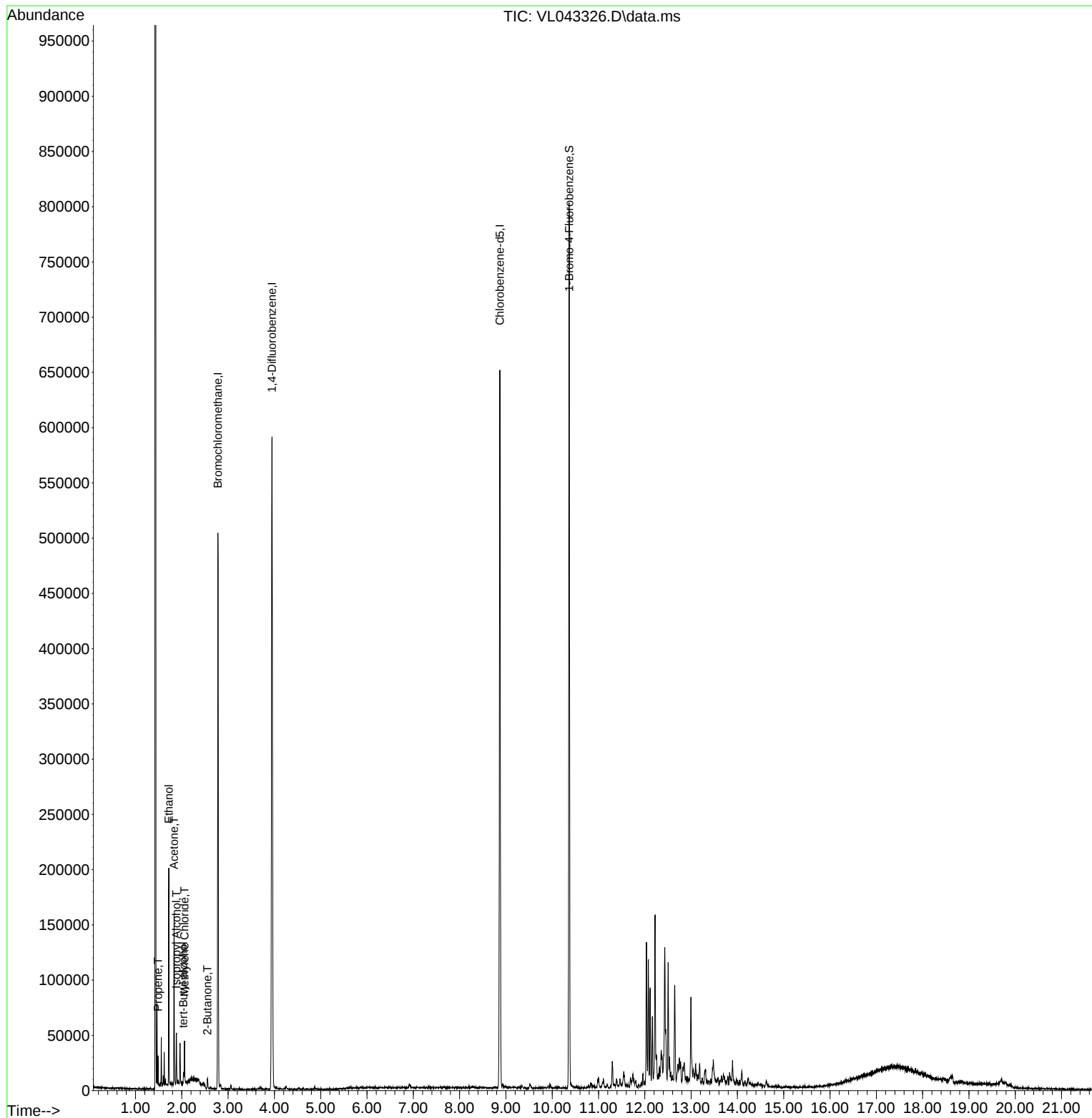
Internal Standards						
1) Bromochloromethane	2.781	49	134736	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	334824	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	261927	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	187809	9.782	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
9) Propene	1.486	41	1909	0.241	ppbv #	1
13) Ethanol	1.719	45	65701	23.543	ppbv	99
15) Acetone	1.832	43	66346	3.544	ppbv	100
17) tert-Butyl alcohol	2.036	59	4012	0.163	ppbv	98
19) Isopropyl Alcohol	1.884	45	19343	1.829	ppbv #	18
20) Methylene Chloride	2.059	84	5924	0.314	ppbv	89
34) 2-Butanone	2.551	43	5722	0.242	ppbv	98

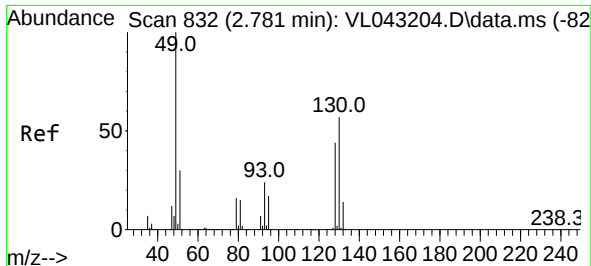
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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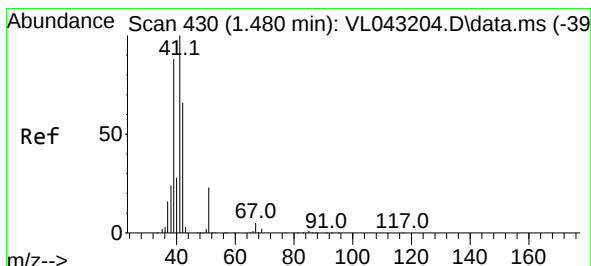
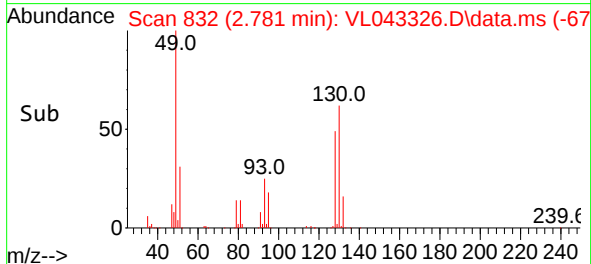
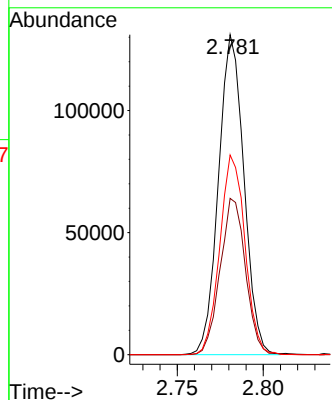
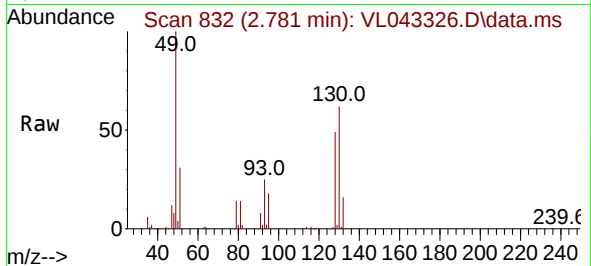




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043326.D
Acq: 08 Dec 2025 23:01

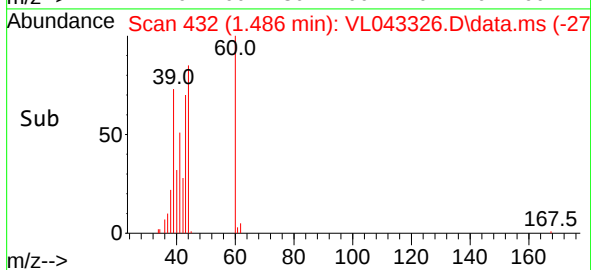
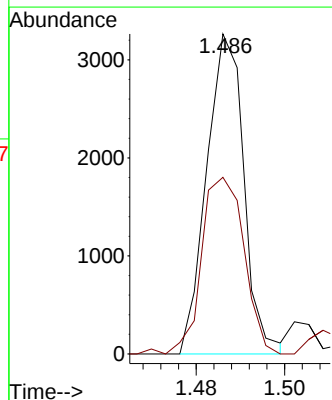
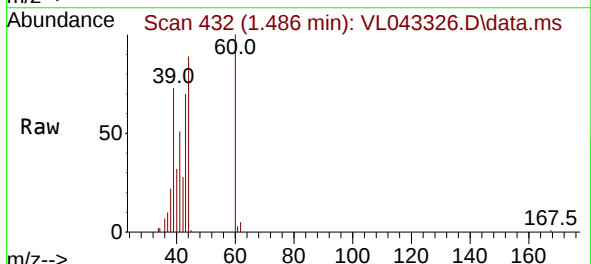
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

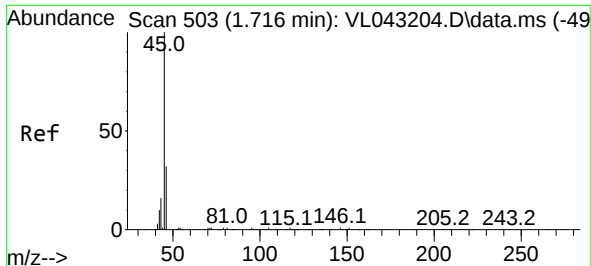
Tgt Ion: 49 Resp: 134736
Ion Ratio Lower Upper
49 100
128 48.7 23.0 69.0
130 61.8 29.9 89.7



#9
Propene
Concen: 0.241 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.006 min
Lab File: VL043326.D
Acq: 08 Dec 2025 23:01

Tgt Ion: 41 Resp: 1909
Ion Ratio Lower Upper
41 100
42 70.2 3.7 5.5#

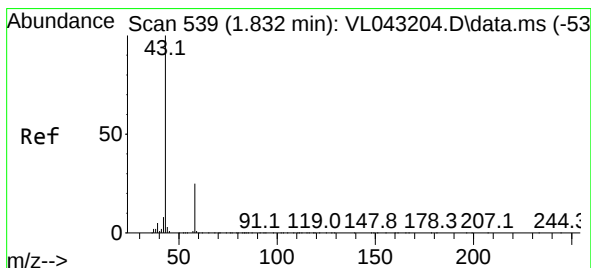
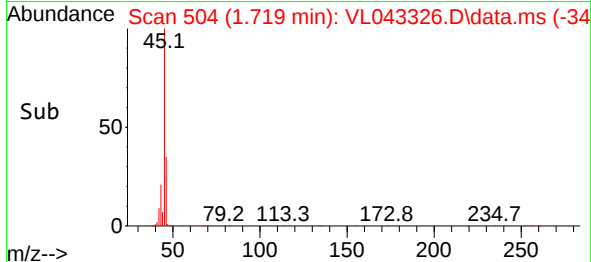
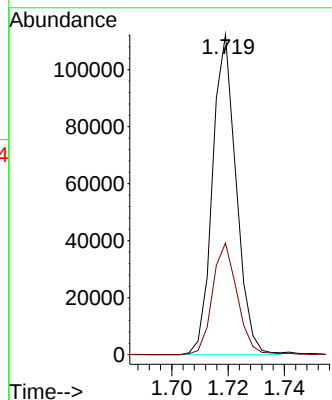
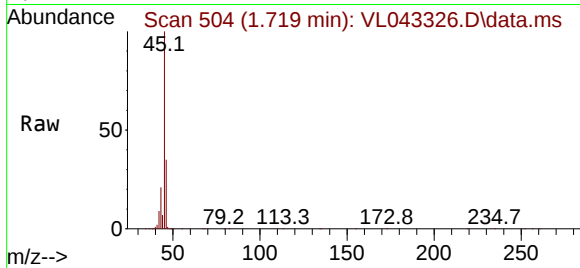




#13
 Ethanol
 Concen: 23.543 ppbv
 RT: 1.719 min Scan# 503
 Delta R.T. 0.003 min
 Lab File: VL043326.D
 Acq: 08 Dec 2025 23:01

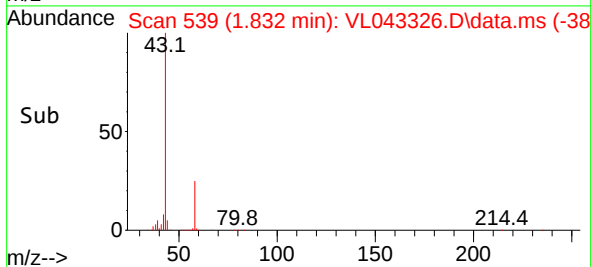
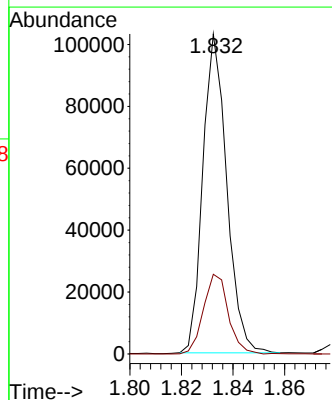
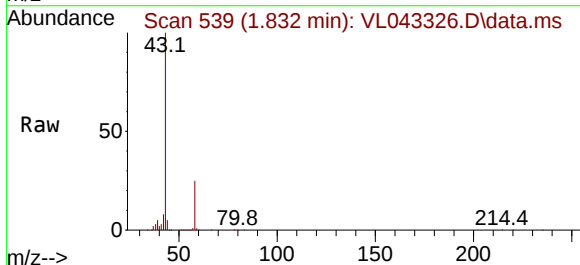
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

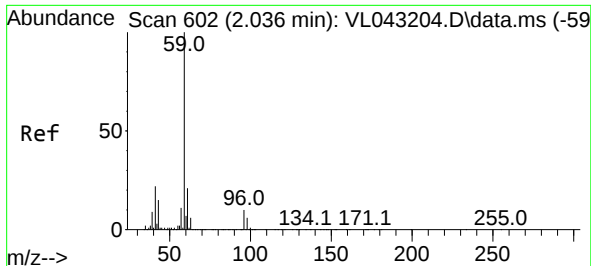
Tgt Ion: 45 Resp: 65701
 Ion Ratio Lower Upper
 45 100
 46 36.7 15.0 59.8



#15
 Acetone
 Concen: 3.544 ppbv
 RT: 1.832 min Scan# 539
 Delta R.T. -0.000 min
 Lab File: VL043326.D
 Acq: 08 Dec 2025 23:01

Tgt Ion: 43 Resp: 66346
 Ion Ratio Lower Upper
 43 100
 58 26.0 20.7 31.1

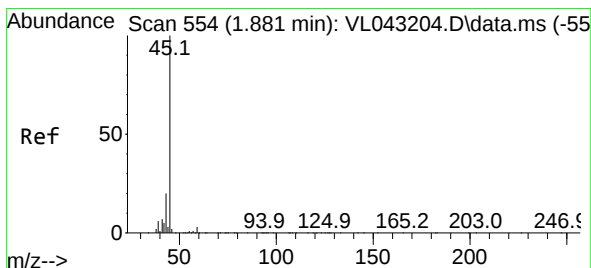
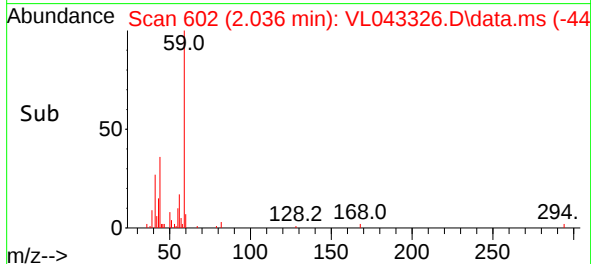
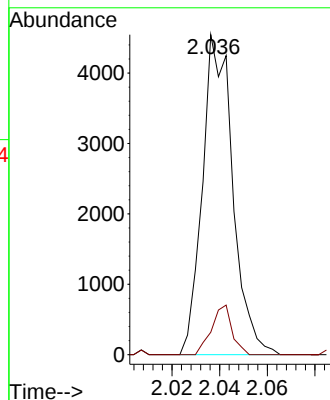
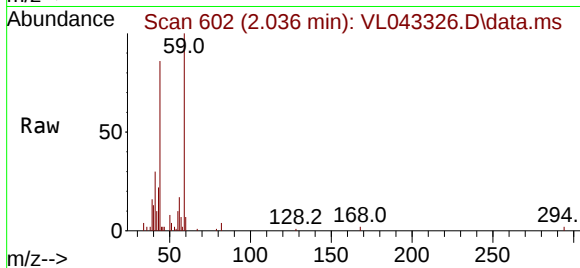




#17
tert-Butyl alcohol
Concen: 0.163 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL043326.D
Acq: 08 Dec 2025 23:01

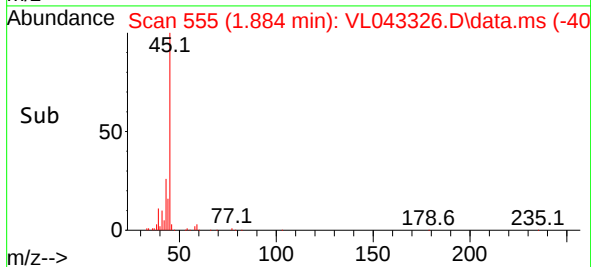
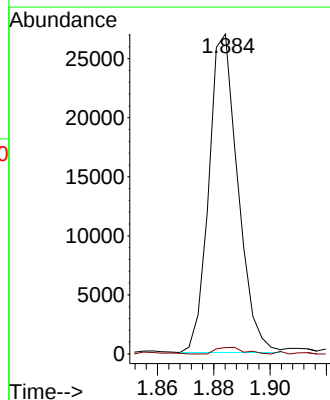
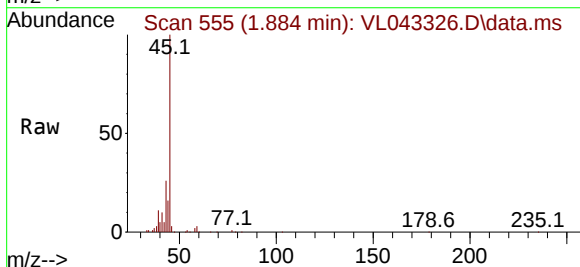
Instrument :
MSVOA_1
ClientSampleId :
SV1DL

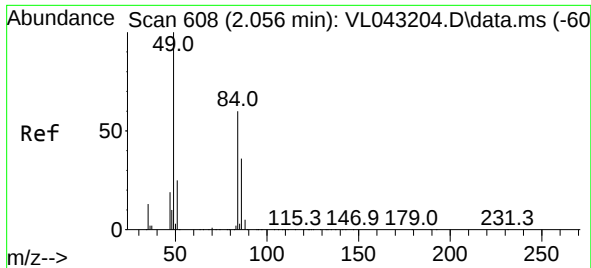
Tgt Ion: 59 Resp: 4012
Ion Ratio Lower Upper
59 100
57 10.5 9.0 13.4



#19
Isopropyl Alcohol
Concen: 1.829 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043326.D
Acq: 08 Dec 2025 23:01

Tgt Ion: 45 Resp: 19343
Ion Ratio Lower Upper
45 100
58 89.3 31.3 46.9#



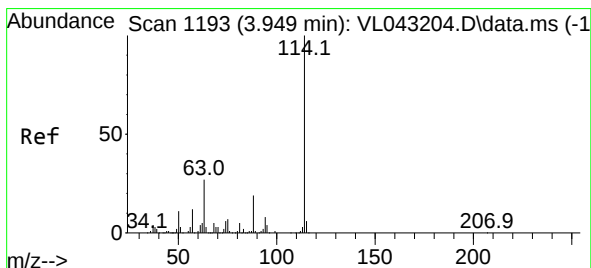
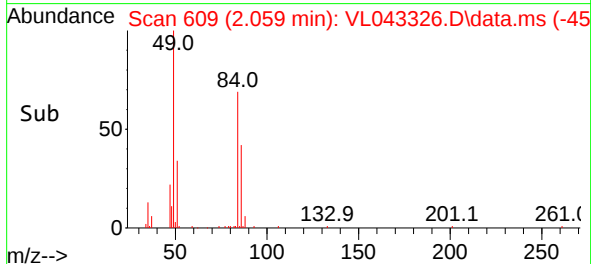
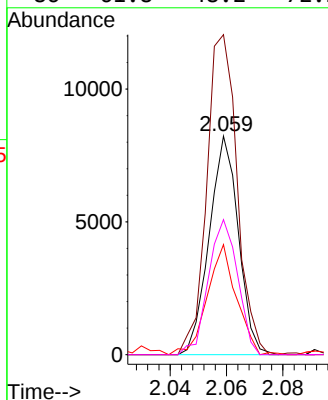
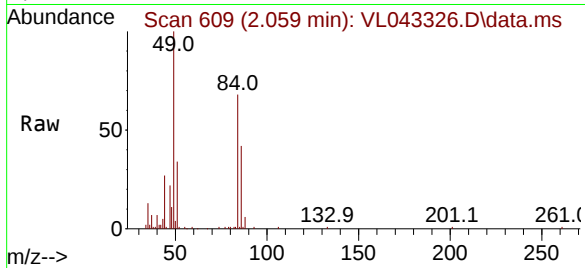


#20
Methylene Chloride
Concen: 0.314 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043326.D
Acq: 08 Dec 2025 23:01

Instrument :
MSVOA_1
ClientSampleId :
SV1DL

Tgt Ion: 84 Resp: 5924

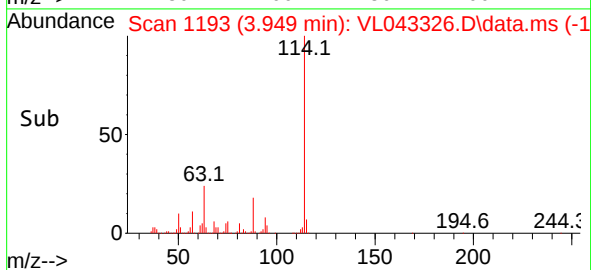
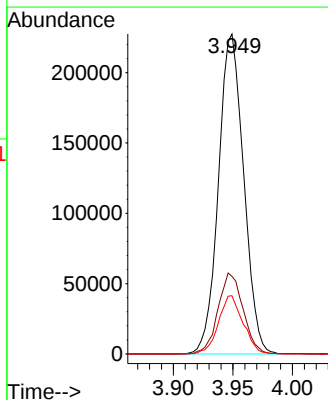
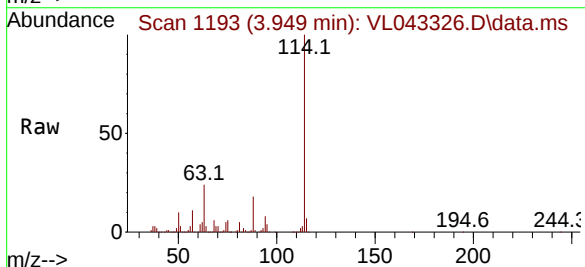
Ion	Ratio	Lower	Upper
84	100		
49	146.4	132.9	199.3
51	49.7	34.8	52.2
86	61.8	48.2	72.2

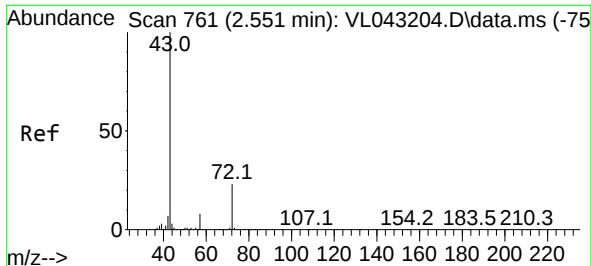


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VL043326.D
Acq: 08 Dec 2025 23:01

Tgt Ion: 114 Resp: 334824

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.0	31.6
88	17.7	14.9	22.3

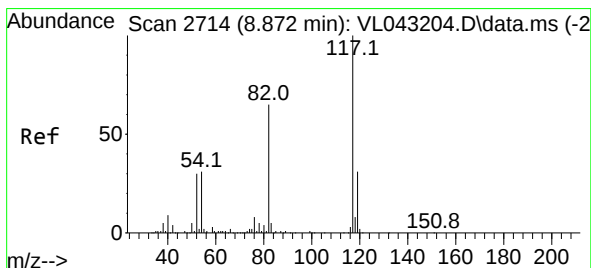
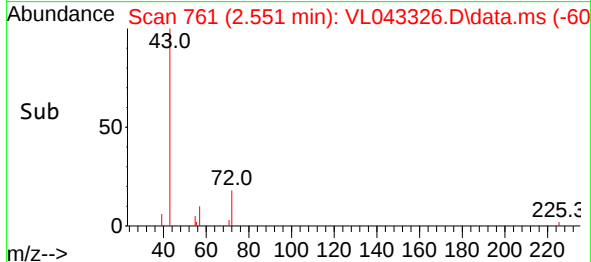
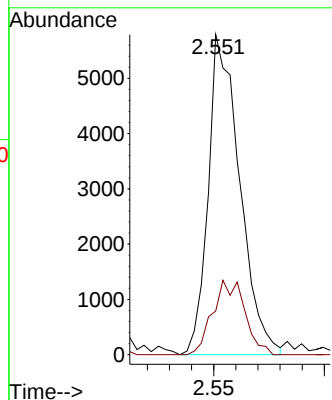
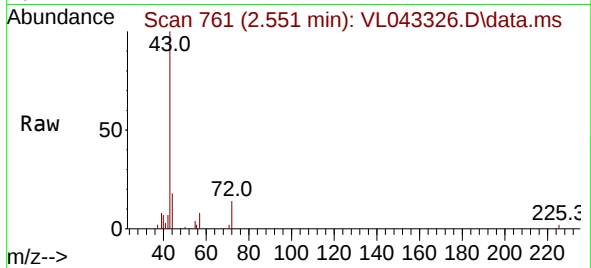




#34
2-Butanone
Concen: 0.242 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL043326.D
Acq: 08 Dec 2025 23:01

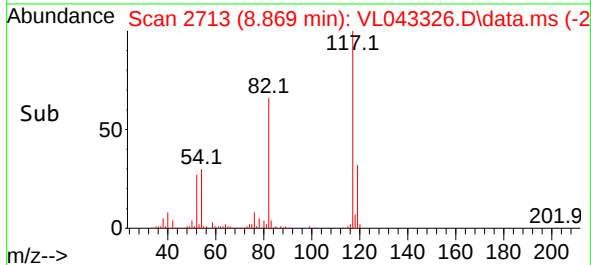
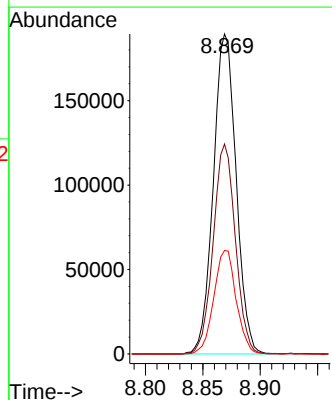
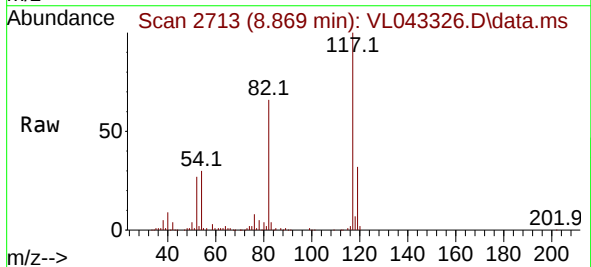
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MSVOA_L
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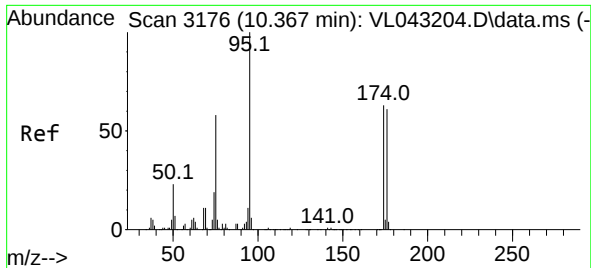
Tgt Ion: 43 Resp: 5722
Ion Ratio Lower Upper
43 100
72 23.8 18.1 27.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. -0.003 min
Lab File: VL043326.D
Acq: 08 Dec 2025 23:01

Tgt Ion: 117 Resp: 261927
Ion Ratio Lower Upper
117 100
82 63.9 56.1 84.1
119 31.8 25.0 37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.782 ppbv
 RT: 10.364 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL043326.D
 Acq: 08 Dec 2025 23:01

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion: 95 Resp: 187809
 Ion Ratio Lower Upper
 95 100
 174 69.1 50.2 75.2
 175 5.1 4.1 6.1

