

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043252.D
 Acq On : 19 Nov 2025 22:39
 Operator : SY/MD
 Sample : Q3626-08DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 12-SG-2DL

Quant Time: Nov 20 00:12:39 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)

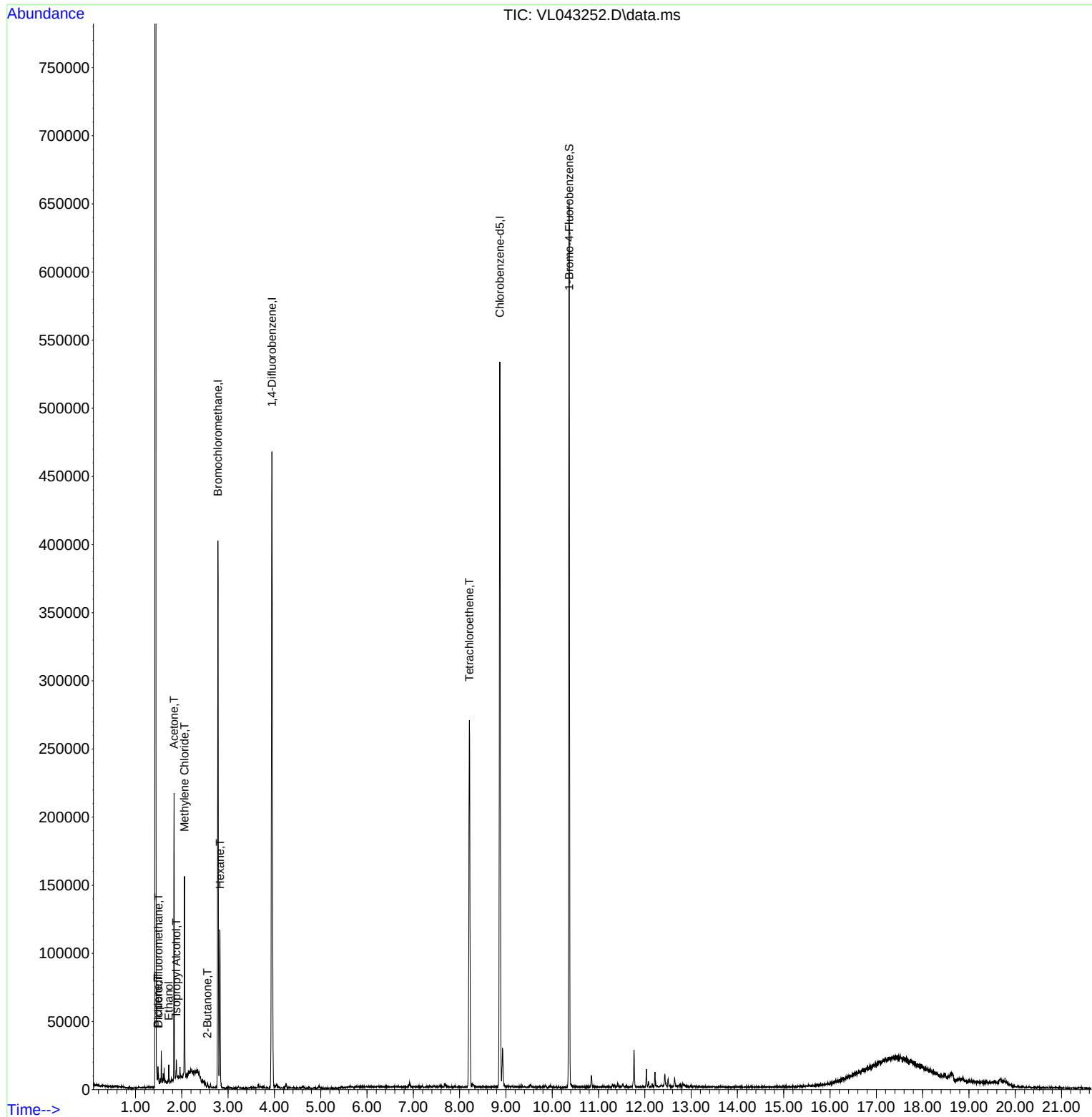
Internal Standards						
1) Bromochloromethane	2.781	49	100214	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	269502	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	209321	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	155026	10.104	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	1486	0.105	ppbv	97
9) Propene	1.483	41	1075	0.182	ppbv #	1
13) Ethanol	1.719	45	4797	2.311	ppbv #	38
15) Acetone	1.832	43	89834	6.452	ppbv	98
19) Isopropyl Alcohol	1.884	45	4878	0.620	ppbv #	1
20) Methylene Chloride	2.059	84	22446	5.085	ppbv	92
26) Hexane	2.823	57	25725	1.954	ppbv #	42
34) 2-Butanone	2.554	43	2247	0.118	ppbv #	84
52) Tetrachloroethene	8.208	164	47059	4.902	ppbv	94

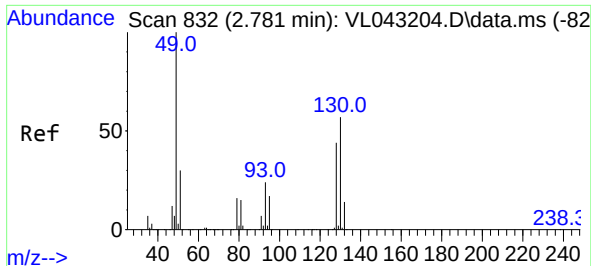
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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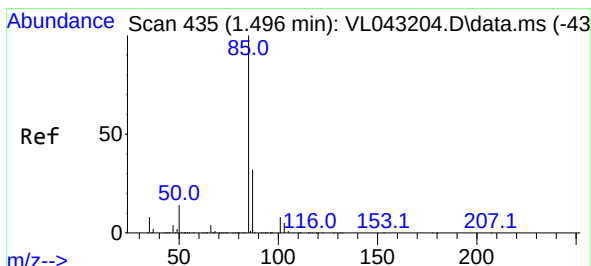
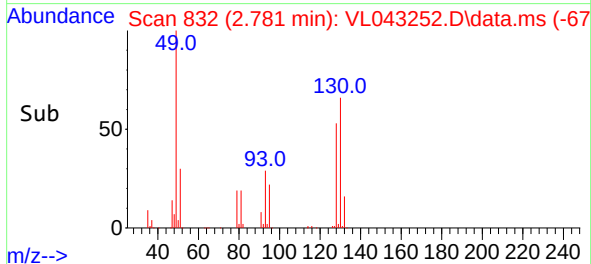
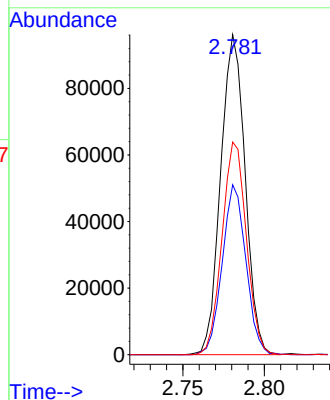
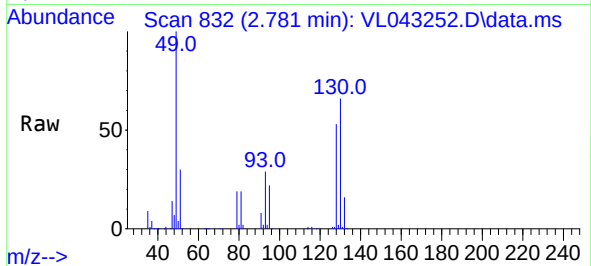




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043252.D
Acq: 19 Nov 2025 22:39

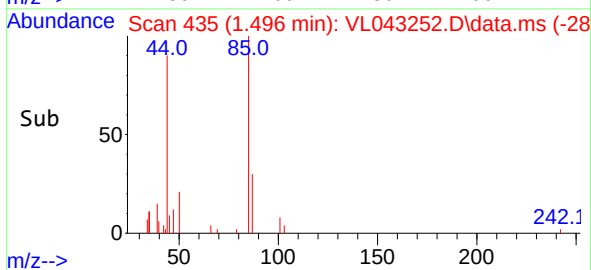
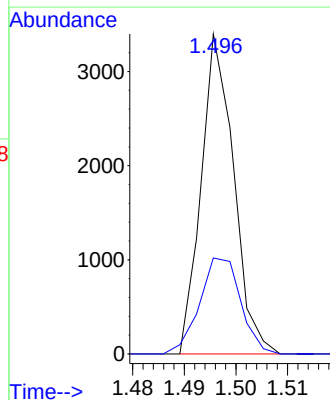
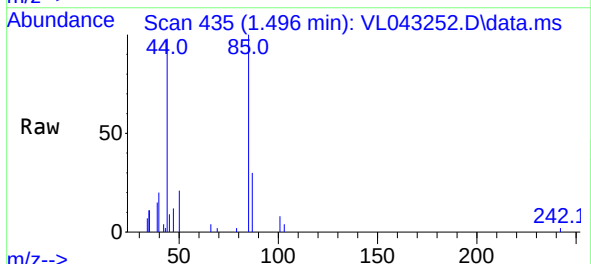
Instrument :
MSVOA_L
ClientSampleId :
12-SG-2DL

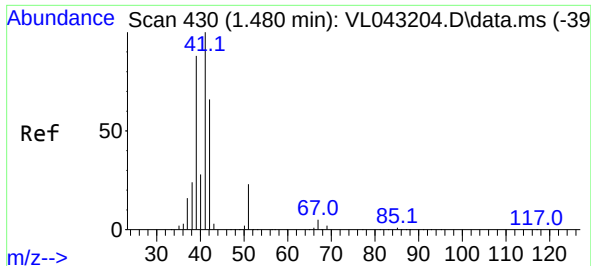
Tgt Ion: 49 Resp: 100214
Ion Ratio Lower Upper
49 100
128 51.4 23.0 69.0
130 66.3 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.105 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043252.D
Acq: 19 Nov 2025 22:39

Tgt Ion: 85 Resp: 1486
Ion Ratio Lower Upper
85 100
87 30.0 25.4 38.2

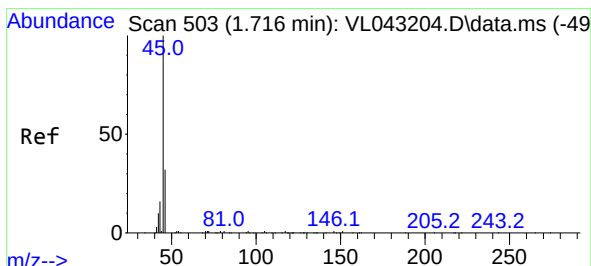
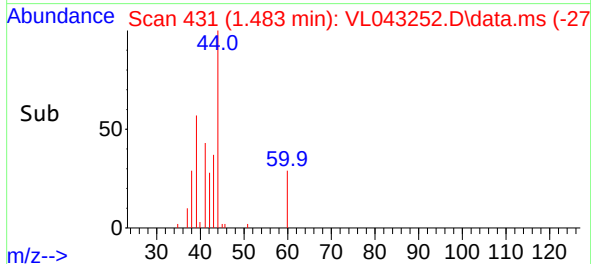
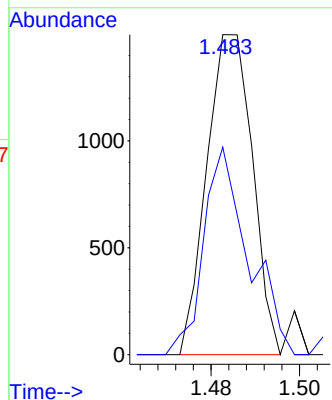
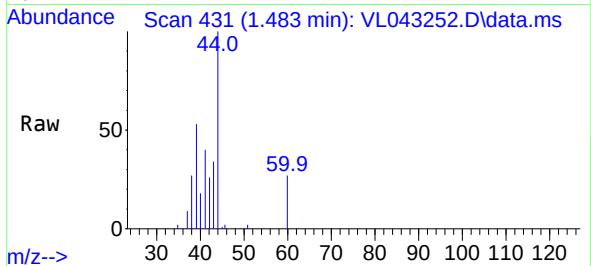




#9
Propene
Concen: 0.182 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043252.D
Acq: 19 Nov 2025 22:39

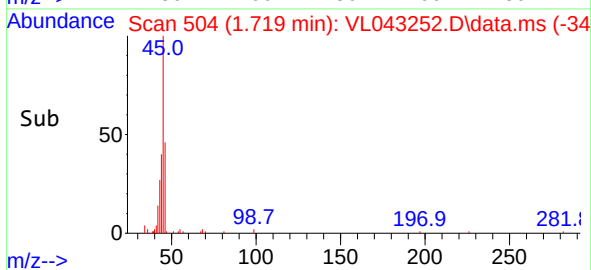
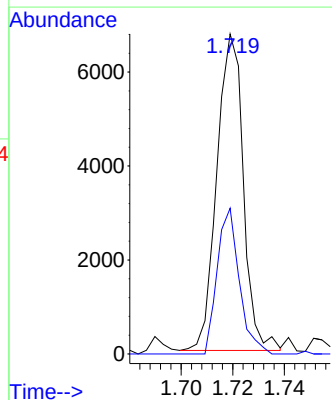
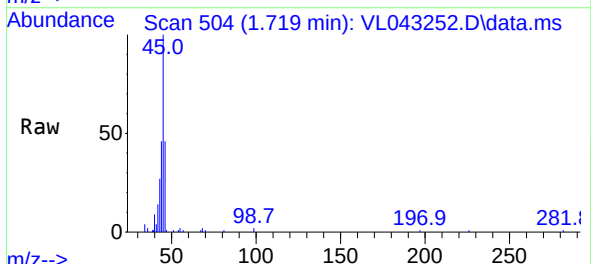
Instrument :
MSVOA_L
ClientSampleId :
12-SG-2DL

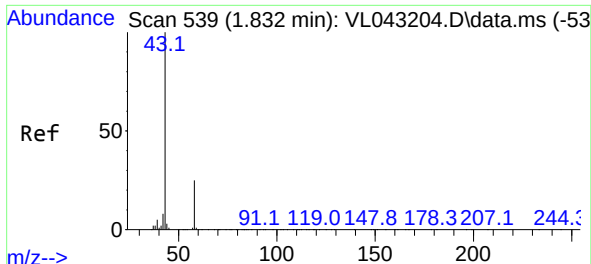
Tgt Ion: 41 Resp: 1075
Ion Ratio Lower Upper
41 100
42 65.1 3.7 5.5#



#13
Ethanol
Concen: 2.311 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043252.D
Acq: 19 Nov 2025 22:39

Tgt Ion: 45 Resp: 4797
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8#

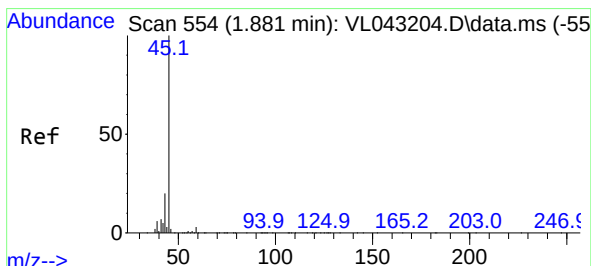
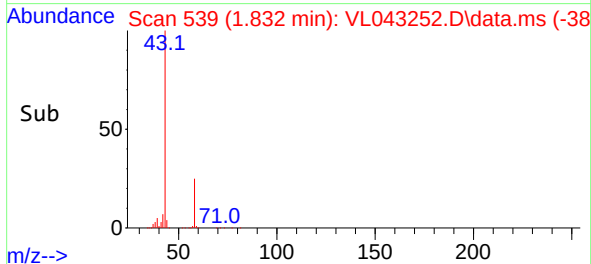
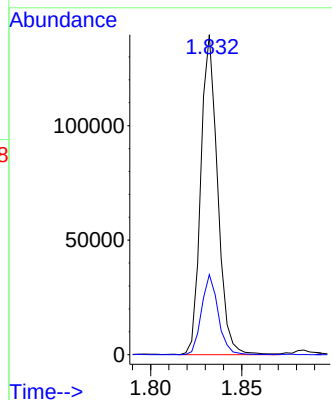
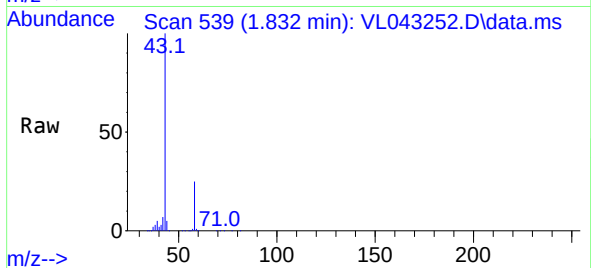




#15
Acetone
Concen: 6.452 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043252.D
Acq: 19 Nov 2025 22:39

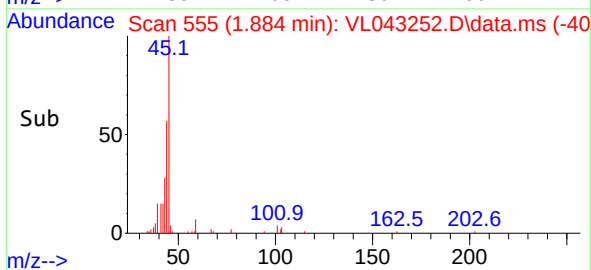
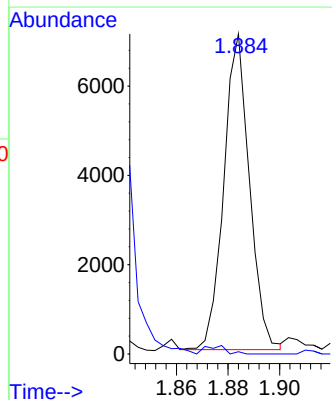
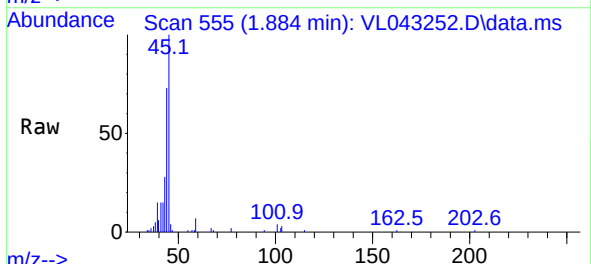
Instrument :
MSVOA_L
ClientSampleId :
12-SG-2DL

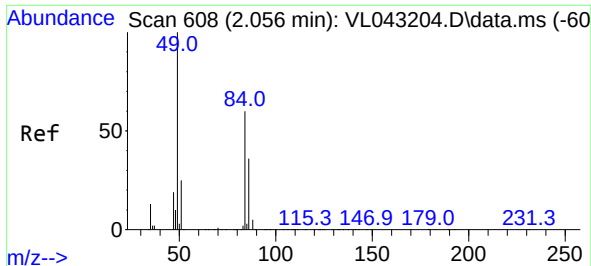
Tgt Ion: 43 Resp: 89834
Ion Ratio Lower Upper
43 100
58 24.7 20.7 31.1



#19
Isopropyl Alcohol
Concen: 0.620 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043252.D
Acq: 19 Nov 2025 22:39

Tgt Ion: 45 Resp: 4878
Ion Ratio Lower Upper
45 100
58 455.0 31.3 46.9#



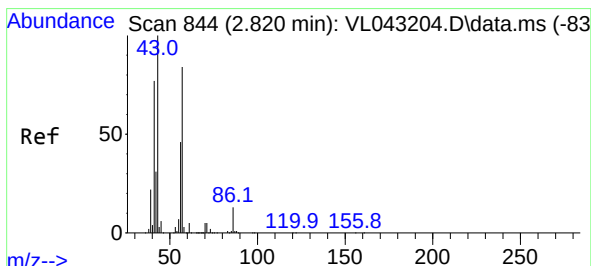
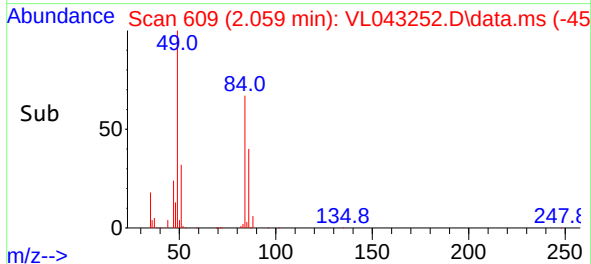
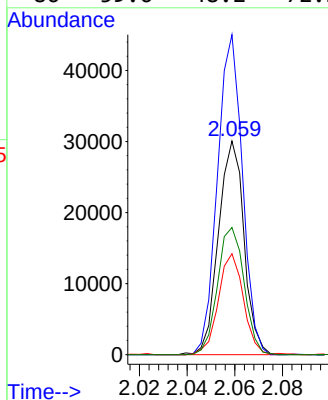
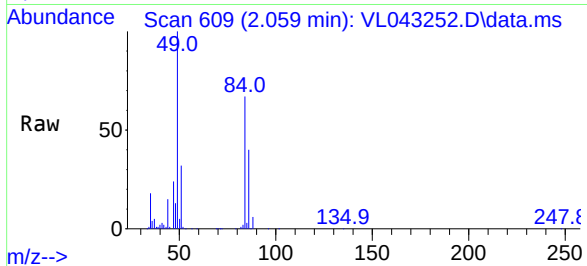


#20
Methylene Chloride
Concen: 5.085 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043252.D
Acq: 19 Nov 2025 22:39

Instrument :
MSVOA_L
ClientSampleId :
12-SG-2DL

Tgt Ion: 84 Resp: 22446

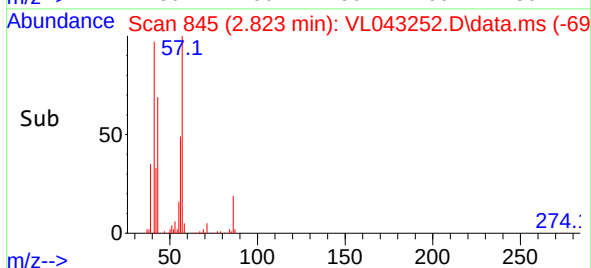
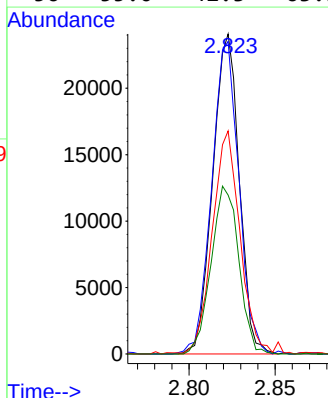
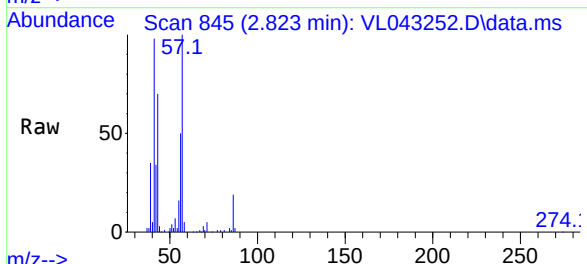
Ion	Ratio	Lower	Upper
84	100		
49	149.8	132.9	199.3
51	47.0	34.8	52.2
86	59.6	48.2	72.2

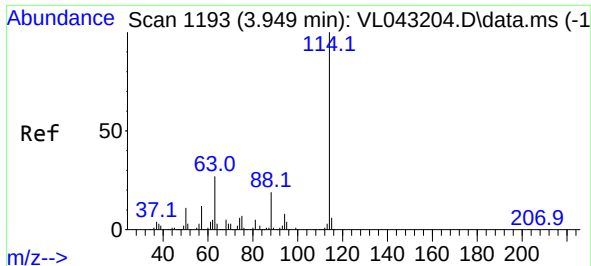


#26
Hexane
Concen: 1.954 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043252.D
Acq: 19 Nov 2025 22:39

Tgt Ion: 57 Resp: 25725

Ion	Ratio	Lower	Upper
57	100		
41	100.9	74.6	111.8
43	74.3	179.0	268.4#
56	55.0	42.3	63.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.003 min

Lab File: VL043252.D

Acq: 19 Nov 2025 22:39

Instrument :

MSVOA_L

ClientSampleId :

12-SG-2DL

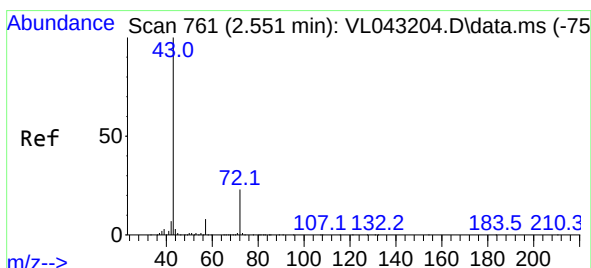
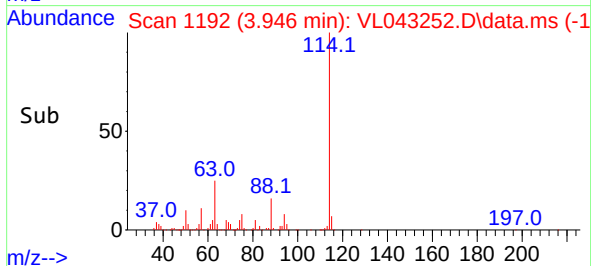
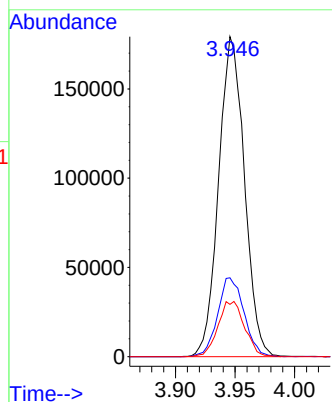
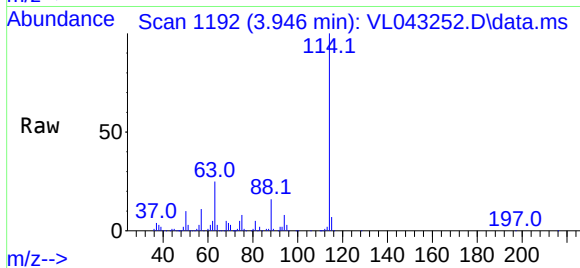
Tgt Ion:114 Resp: 269502

Ion Ratio Lower Upper

114 100

63 25.3 21.0 31.6

88 17.8 14.9 22.3



#34

2-Butanone

Concen: 0.118 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.003 min

Lab File: VL043252.D

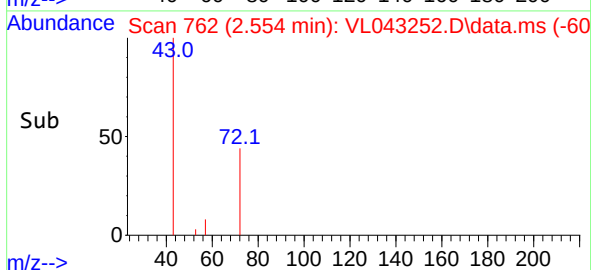
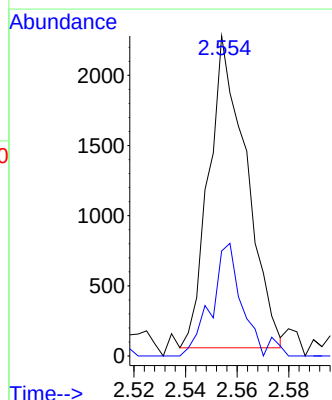
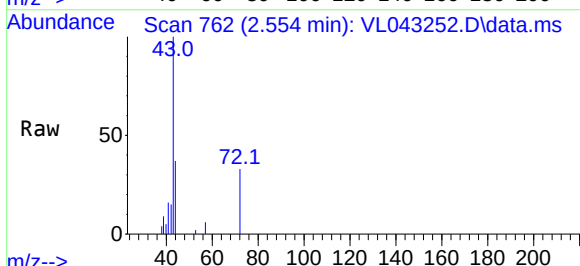
Acq: 19 Nov 2025 22:39

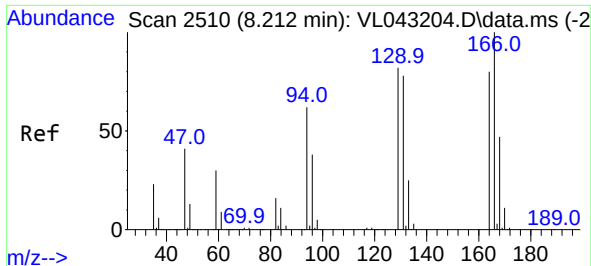
Tgt Ion: 43 Resp: 2247

Ion Ratio Lower Upper

43 100

72 30.1 18.1 27.1#



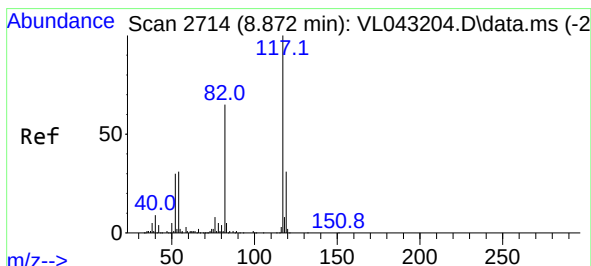
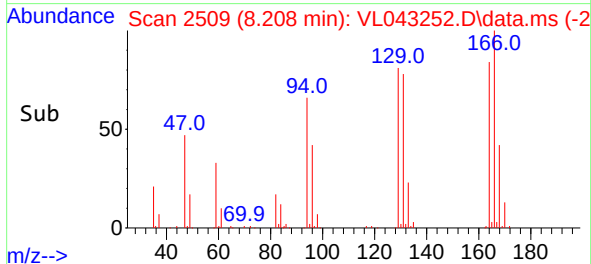
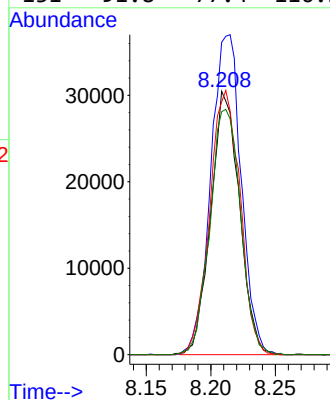
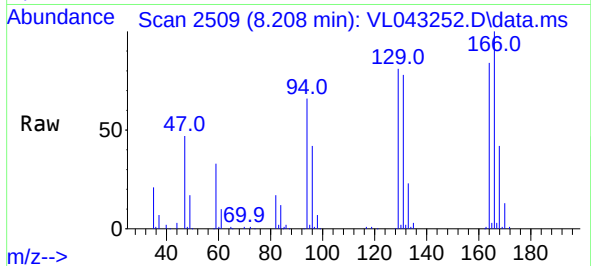


#52
Tetrachloroethene
Concen: 4.902 ppbv
RT: 8.208 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043252.D
Acq: 19 Nov 2025 22:39

Instrument :
MSVOA_L
ClientSampleId :
12-SG-2DL

Tgt Ion:164 Resp: 47059

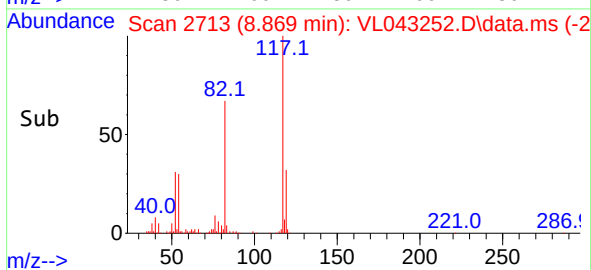
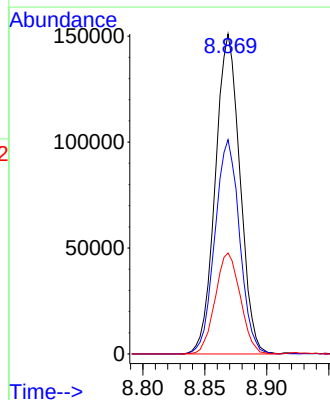
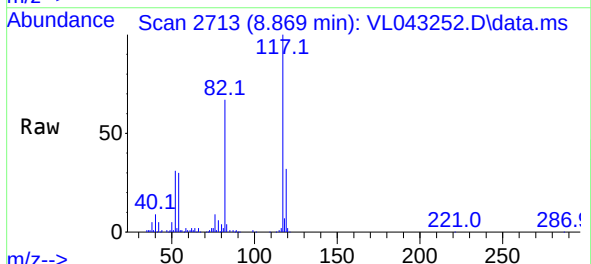
Ion	Ratio	Lower	Upper
164	100		
166	118.3	99.4	149.2
129	95.9	81.8	122.8
131	91.8	77.4	116.2

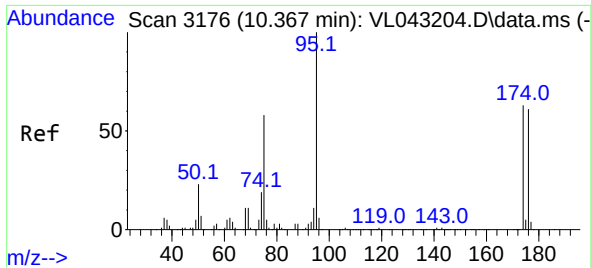


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. -0.003 min
Lab File: VL043252.D
Acq: 19 Nov 2025 22:39

Tgt Ion:117 Resp: 209321

Ion	Ratio	Lower	Upper
117	100		
82	67.3	56.1	84.1
119	32.6	25.0	37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.104 ppbv
 RT: 10.364 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL043252.D
 Acq: 19 Nov 2025 22:39

Instrument :
 MSVOA_L
 ClientSampleId :
 12-SG-2DL

Tgt Ion: 95 Resp: 155026
 Ion Ratio Lower Upper
 95 100
 174 64.1 50.2 75.2
 175 4.5 4.1 6.1

