

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043328.D
 Acq On : 09 Dec 2025 00:06
 Operator : SY/MD
 Sample : Q3797-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: Dec 09 01:26:49 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)

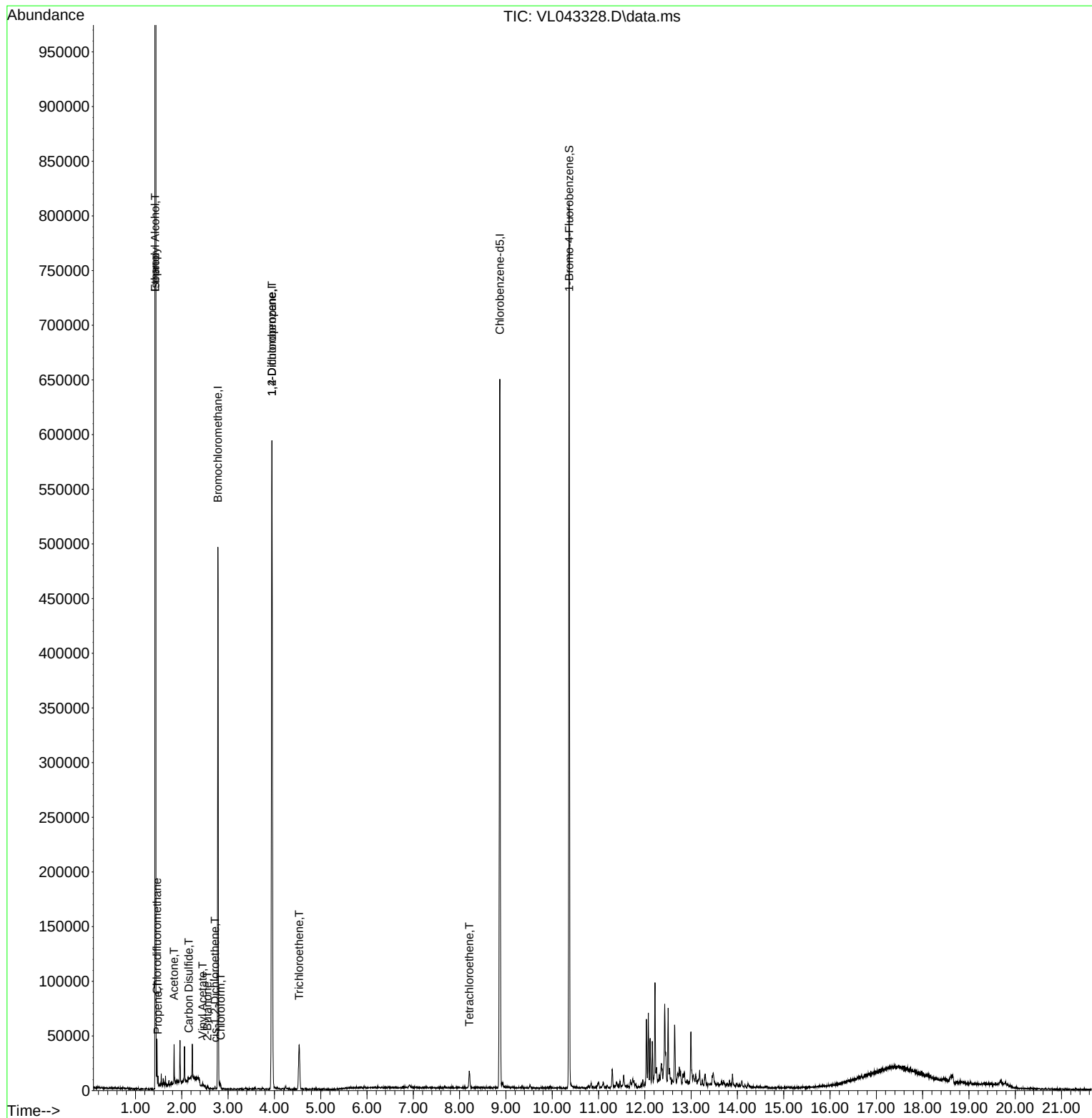
Internal Standards						
1) Bromochloromethane	2.781	49	136077	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	340593	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	259356	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	186262	9.798	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.464	51	11575	0.613	ppbv #	61
9) Propene	1.483	41	1120	0.140	ppbv #	1
13) Ethanol	1.428	45	311477	110.515	ppbv	97
15) Acetone	1.832	43	14609	0.773	ppbv	97
19) Isopropyl Alcohol	1.428	45	311477	29.156	ppbv #	36
23) Vinyl Acetate	2.447	43	746	0.033	ppbv #	18
27) Carbon Disulfide	2.150	76	638	0.035	ppbv #	1
29) Chloroform	2.842	83	1432	0.056	ppbv	91
31) cis-1,2-Dichloroethene	2.716	61	569	0.032	ppbv #	88
34) 2-Butanone	2.554	43	1608	0.067	ppbv	99
38) Trichloroethene	4.535	130	11121	0.871	ppbv	91
39) 1,2-Dichloropropane	3.946	63	83475	6.992	ppbv #	25
52) Tetrachloroethene	8.209	164	2096	0.173	ppbv	86

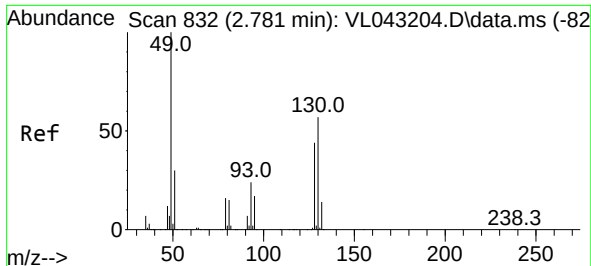
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043328.D
Acq On : 09 Dec 2025 00:06
Operator : SY/MD
Sample : Q3797-03DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Quant Time: Dec 09 01:26:49 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

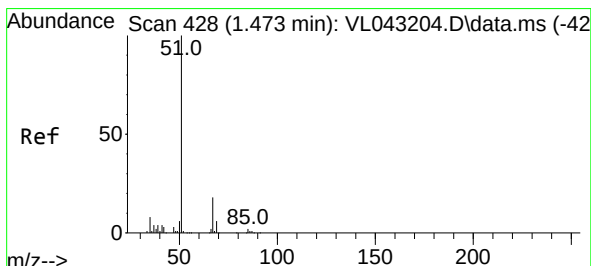
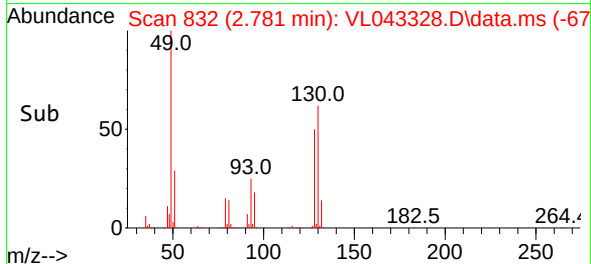
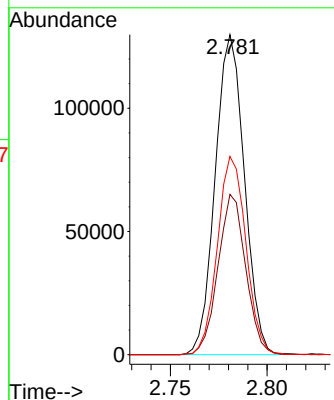
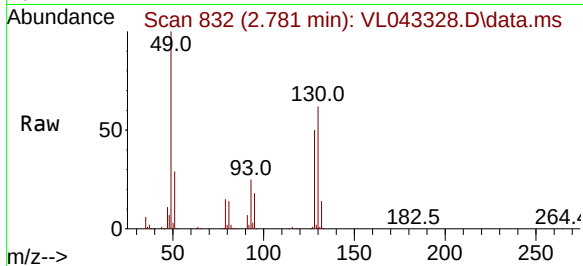




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043328.D
Acq: 09 Dec 2025 00:06

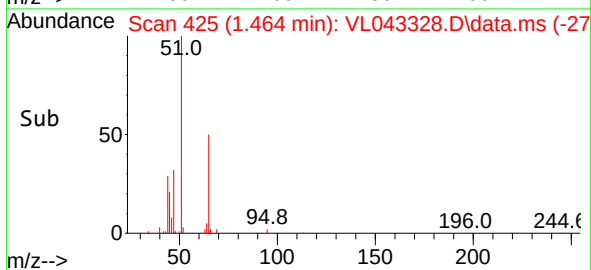
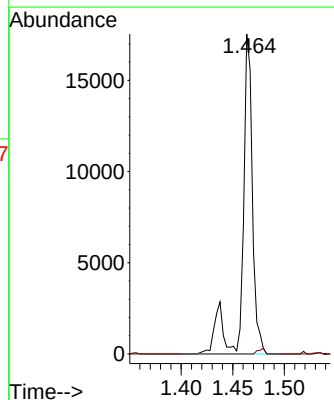
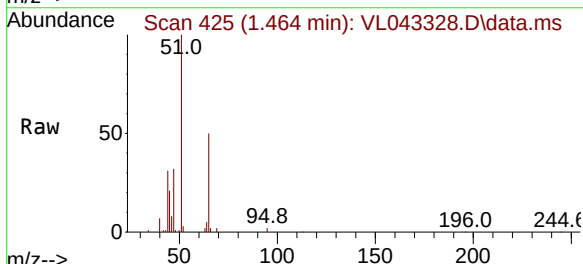
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

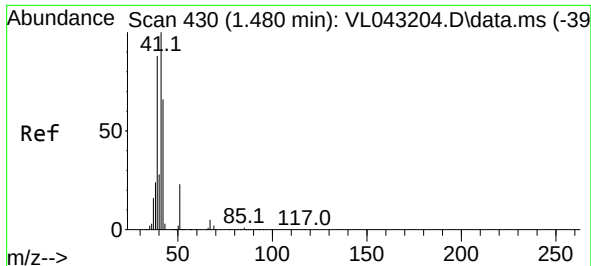
Tgt Ion: 49 Resp: 136077
Ion Ratio Lower Upper
49 100
128 47.7 23.0 69.0
130 60.7 29.9 89.7



#3
Chlorodifluoromethane
Concen: 0.613 ppbv
RT: 1.464 min Scan# 425
Delta R.T. -0.010 min
Lab File: VL043328.D
Acq: 09 Dec 2025 00:06

Tgt Ion: 51 Resp: 11575
Ion Ratio Lower Upper
51 100
67 1.2 14.9 22.3#

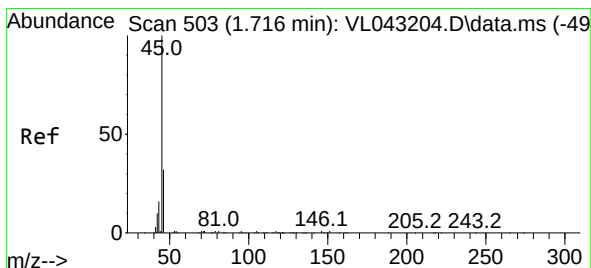
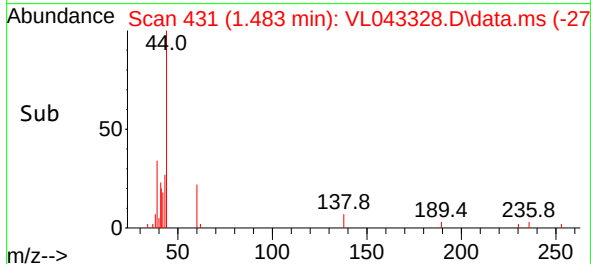
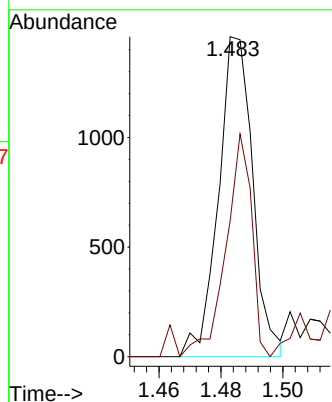
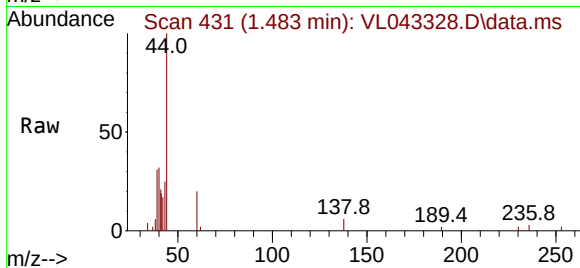




#9
 Propene
 Concen: 0.140 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043328.D
 Acq: 09 Dec 2025 00:06

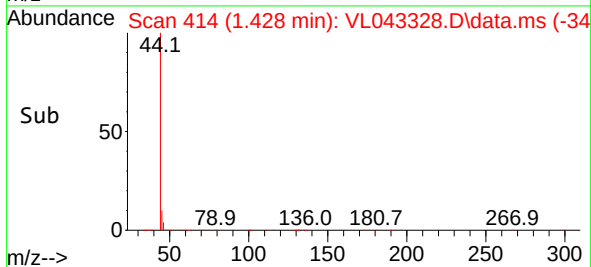
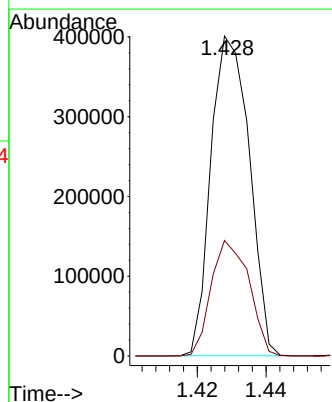
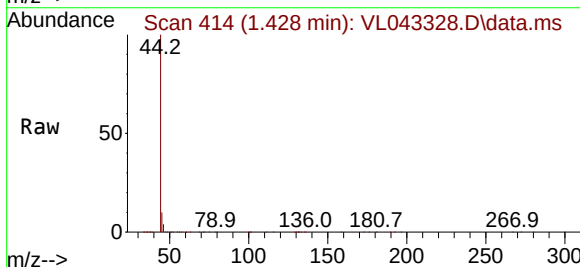
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

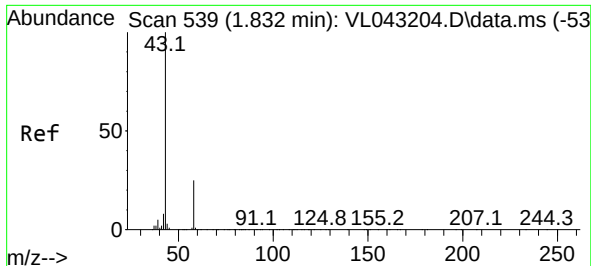
Tgt Ion: 41 Resp: 1120
 Ion Ratio Lower Upper
 41 100
 42 63.4 3.7 5.5#



#13
 Ethanol
 Concen: 110.515 ppbv
 RT: 1.428 min Scan# 414
 Delta R.T. -0.288 min
 Lab File: VL043328.D
 Acq: 09 Dec 2025 00:06

Tgt Ion: 45 Resp: 311477
 Ion Ratio Lower Upper
 45 100
 46 35.6 15.0 59.8

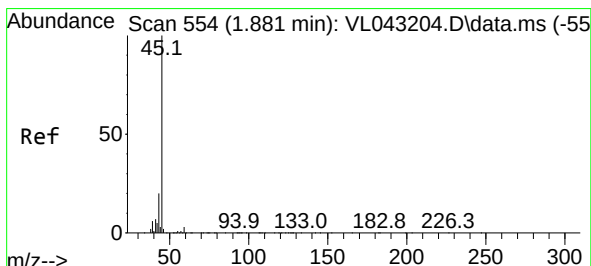
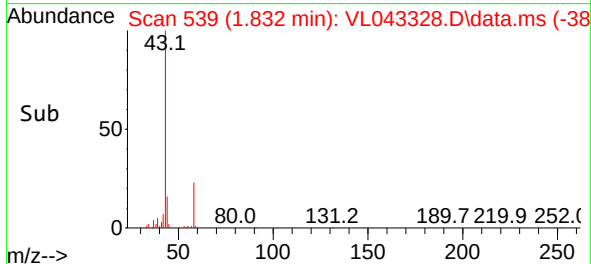
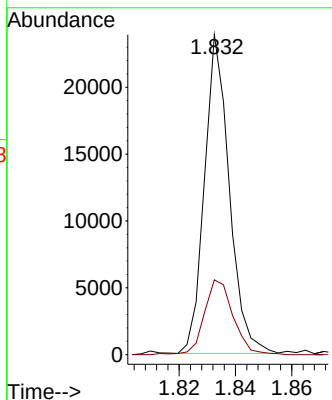
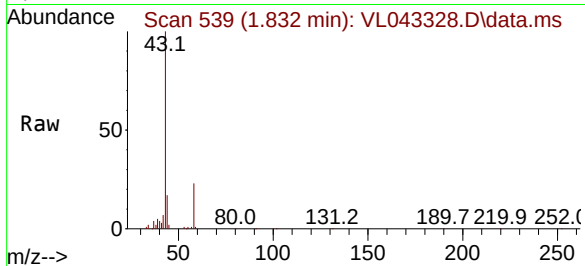




#15
Acetone
Concen: 0.773 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL043328.D
Acq: 09 Dec 2025 00:06

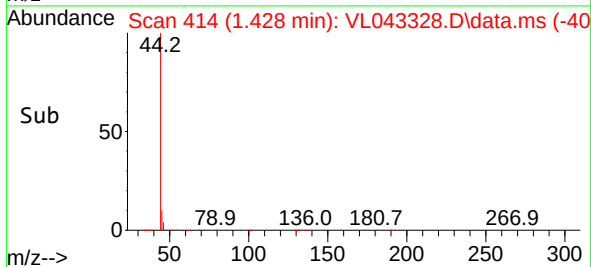
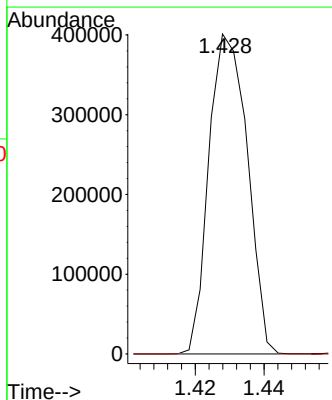
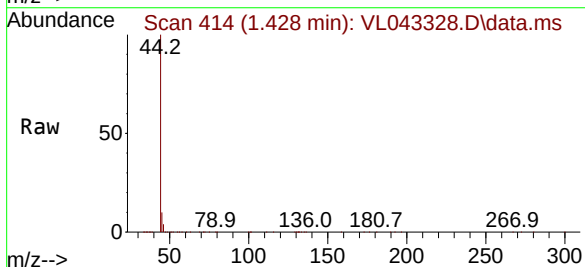
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

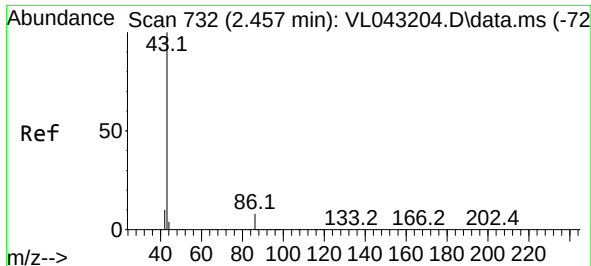
Tgt Ion: 43 Resp: 14609
Ion Ratio Lower Upper
43 100
58 27.3 20.7 31.1



#19
Isopropyl Alcohol
Concen: 29.156 ppbv
RT: 1.428 min Scan# 414
Delta R.T. -0.453 min
Lab File: VL043328.D
Acq: 09 Dec 2025 00:06

Tgt Ion: 45 Resp: 311477
Ion Ratio Lower Upper
45 100
58 0.1 31.3 46.9#

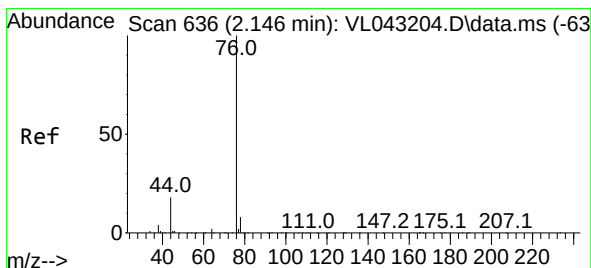
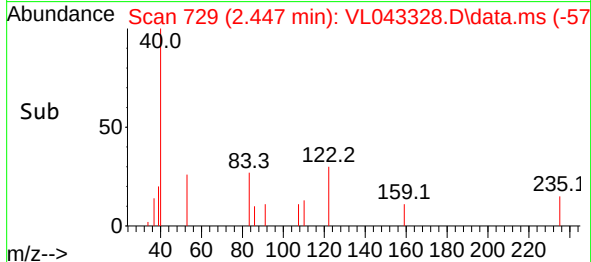
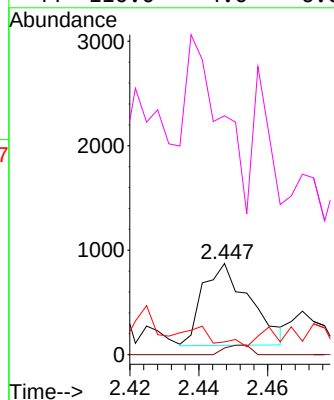
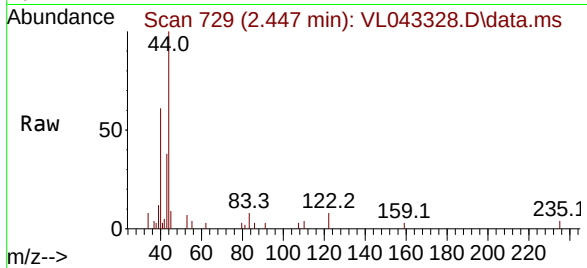




#23
 Vinyl Acetate
 Concen: 0.033 ppbv
 RT: 2.447 min Scan# 71
 Delta R.T. -0.010 min
 Lab File: VL043328.D
 Acq: 09 Dec 2025 00:06

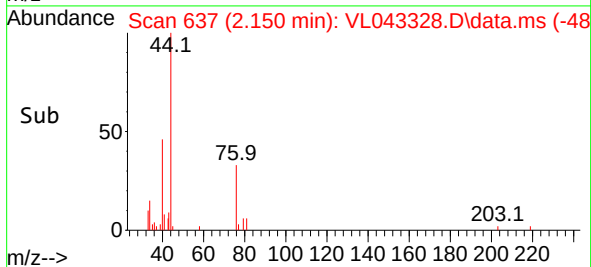
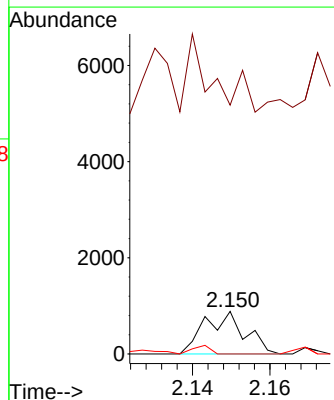
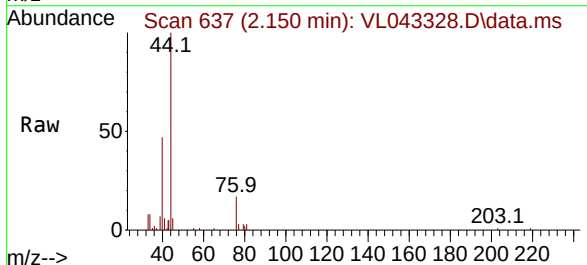
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

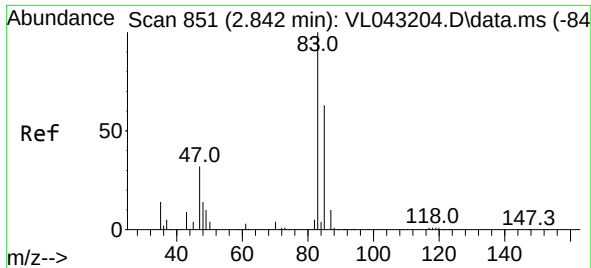
Tgt Ion: 43	Resp:	746	
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.2	9.2
42	0.0	8.0	12.0#
44	110.0	4.0	6.0#



#27
 Carbon Disulfide
 Concen: 0.035 ppbv
 RT: 2.150 min Scan# 637
 Delta R.T. 0.003 min
 Lab File: VL043328.D
 Acq: 09 Dec 2025 00:06

Tgt Ion:	76	Resp:	638
Ion	Ratio	Lower	Upper
76	100		
44	1545.0	16.1	24.1#
78	15.8	9.6	14.4#

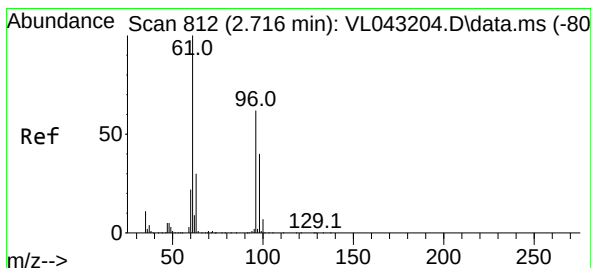
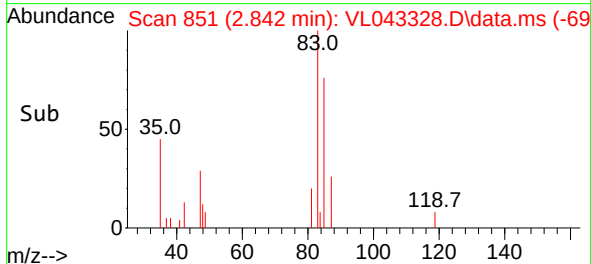
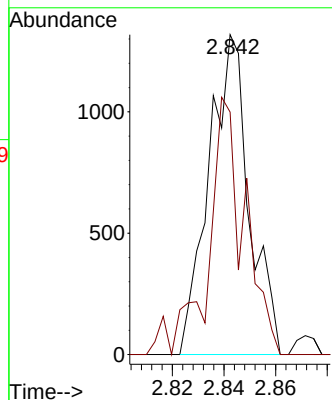
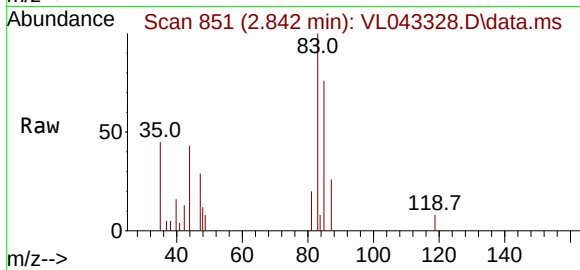




#29
Chloroform
Concen: 0.056 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.000 min
Lab File: VL043328.D
Acq: 09 Dec 2025 00:06

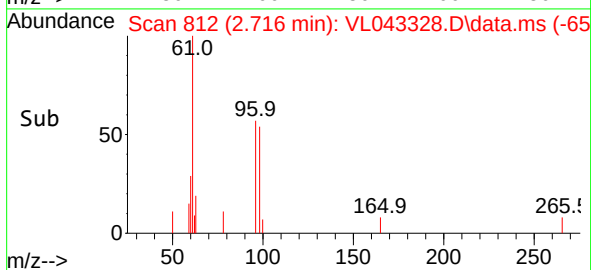
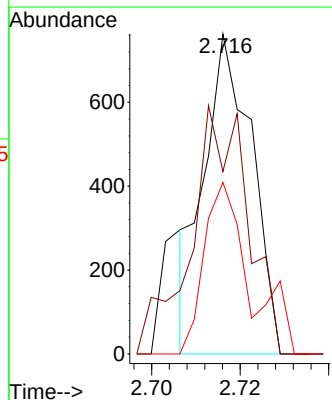
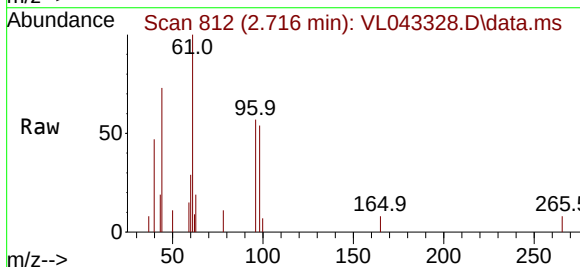
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

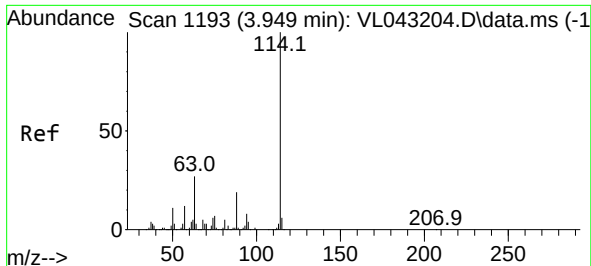
Tgt Ion: 83 Resp: 1432
Ion Ratio Lower Upper
83 100
85 70.2 50.5 75.7



#31
cis-1,2-Dichloroethene
Concen: 0.032 ppbv
RT: 2.716 min Scan# 812
Delta R.T. 0.000 min
Lab File: VL043328.D
Acq: 09 Dec 2025 00:06

Tgt Ion: 61 Resp: 569
Ion Ratio Lower Upper
61 100
96 57.0 49.3 73.9
98 53.6 32.1 48.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.003 min

Lab File: VL043328.D

Acq: 09 Dec 2025 00:06

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

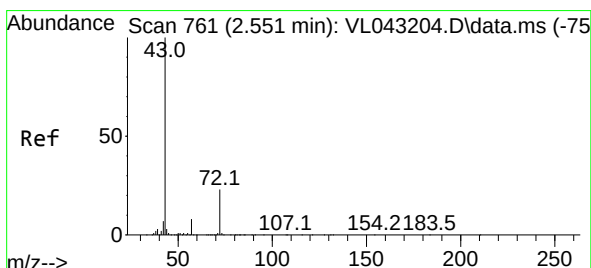
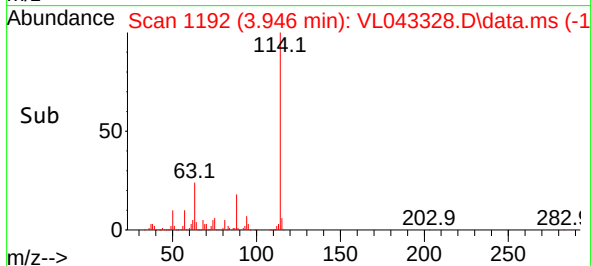
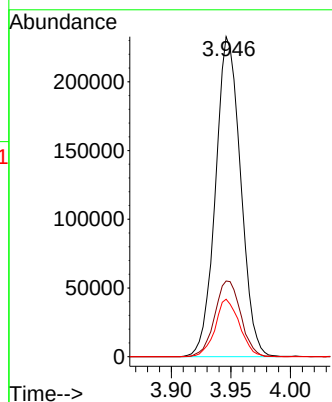
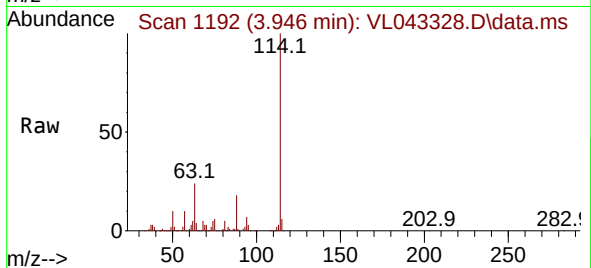
Tgt Ion:114 Resp: 340593

Ion Ratio Lower Upper

114 100

63 24.5 21.0 31.6

88 17.5 14.9 22.3



#34

2-Butanone

Concen: 0.067 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.003 min

Lab File: VL043328.D

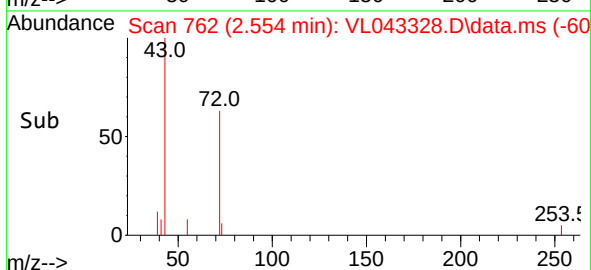
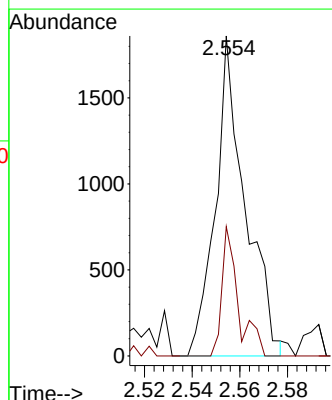
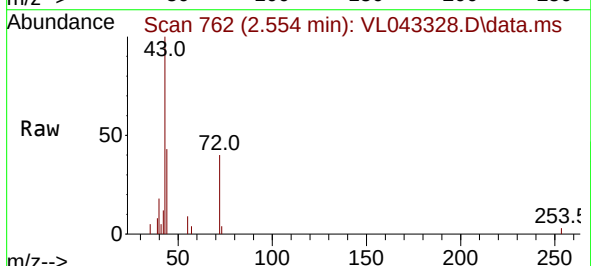
Acq: 09 Dec 2025 00:06

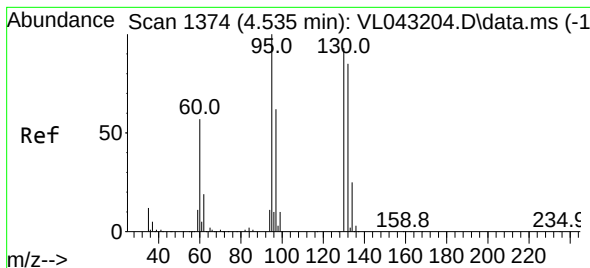
Tgt Ion: 43 Resp: 1608

Ion Ratio Lower Upper

43 100

72 22.3 18.1 27.1





#38

Trichloroethene

Concen: 0.871 ppbv

RT: 4.535 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VL043328.D

Acq: 09 Dec 2025 00:06

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tgt Ion:130 Resp: 11121

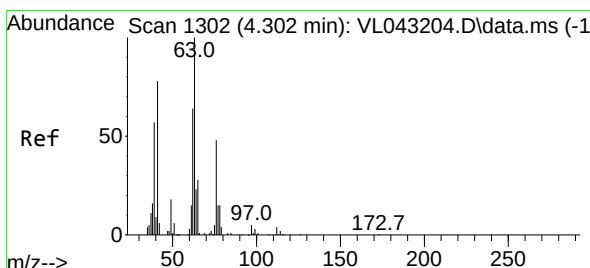
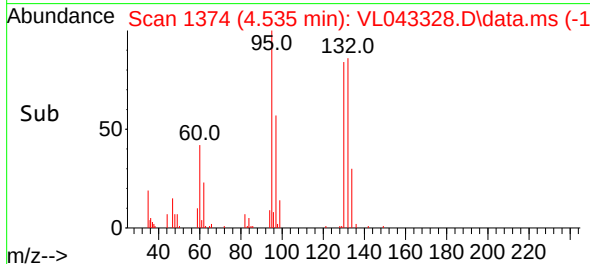
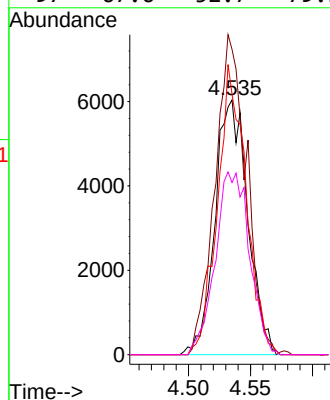
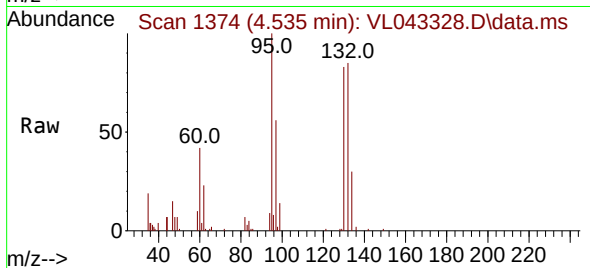
Ion Ratio Lower Upper

130 100

95 119.9 85.7 128.5

132 102.3 73.4 110.0

97 67.6 52.7 79.1



#39

1,2-Dichloropropane

Concen: 6.992 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.356 min

Lab File: VL043328.D

Acq: 09 Dec 2025 00:06

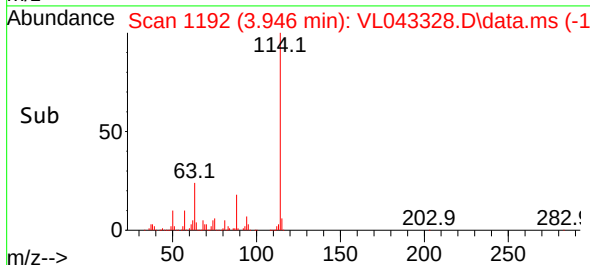
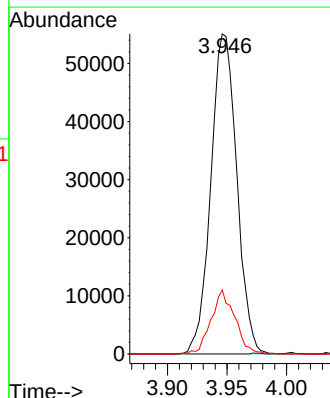
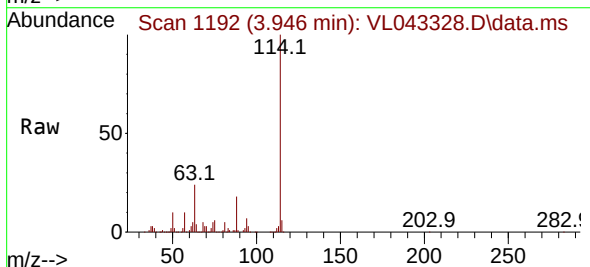
Tgt Ion: 63 Resp: 83475

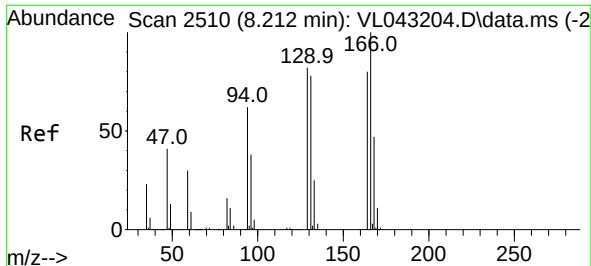
Ion Ratio Lower Upper

63 100

41 0.0 62.6 93.8#

62 20.0 51.0 76.6#

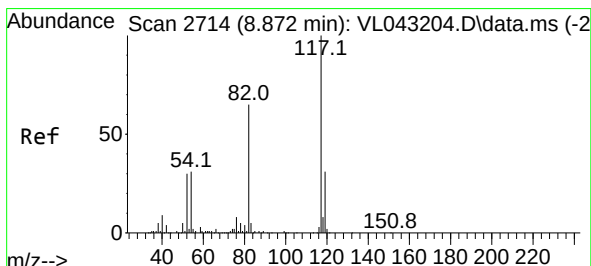
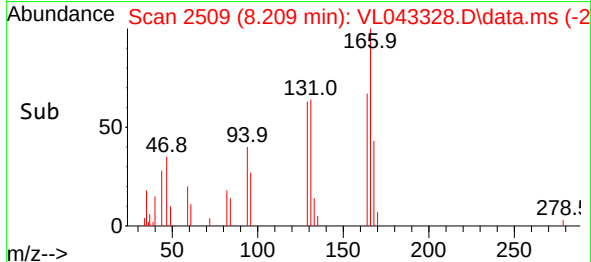
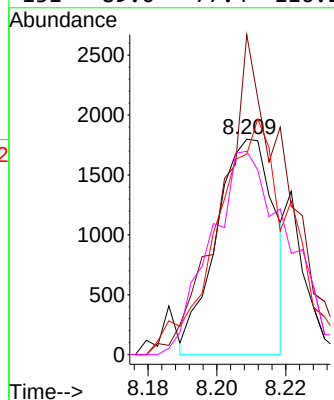
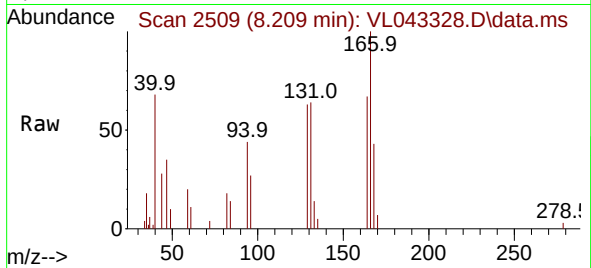




#52
Tetrachloroethene
Concen: 0.173 ppbv
RT: 8.209 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043328.D
Acq: 09 Dec 2025 00:06

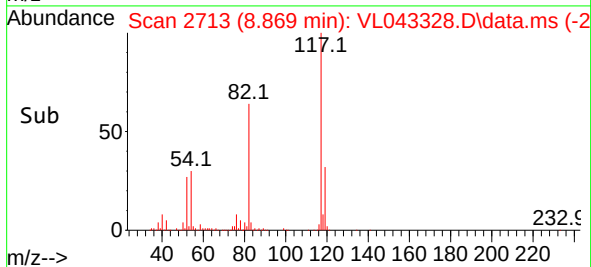
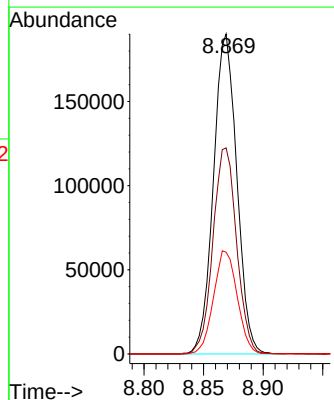
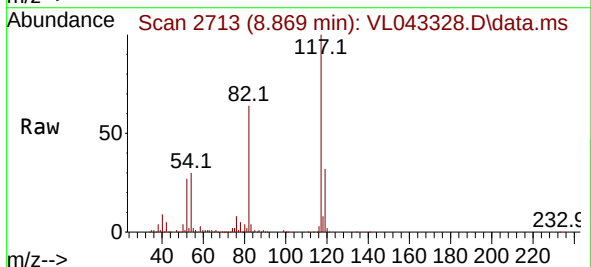
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

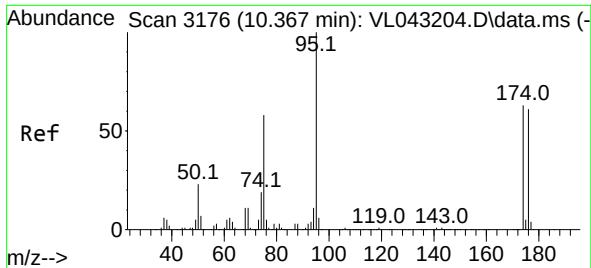
Tgt Ion:	164	Resp:	2096
Ion	Ratio	Lower	Upper
164	100		
166	142.4	99.4	149.2
129	84.5	81.8	122.8
131	89.0	77.4	116.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. -0.003 min
Lab File: VL043328.D
Acq: 09 Dec 2025 00:06

Tgt Ion:	117	Resp:	259356
Ion	Ratio	Lower	Upper
117	100		
82	65.2	56.1	84.1
119	32.8	25.0	37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.798 ppbv
 RT: 10.364 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL043328.D
 Acq: 09 Dec 2025 00:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tgt Ion: 95 Resp: 186262
 Ion Ratio Lower Upper
 95 100
 174 69.1 50.2 75.2
 175 5.0 4.1 6.1

