

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062325\
 Data File : VL042667.D
 Acq On : 23 Jun 2025 12:27
 Operator : SY/MD
 Sample : Q2390-01DL 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Jun 24 06:42:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

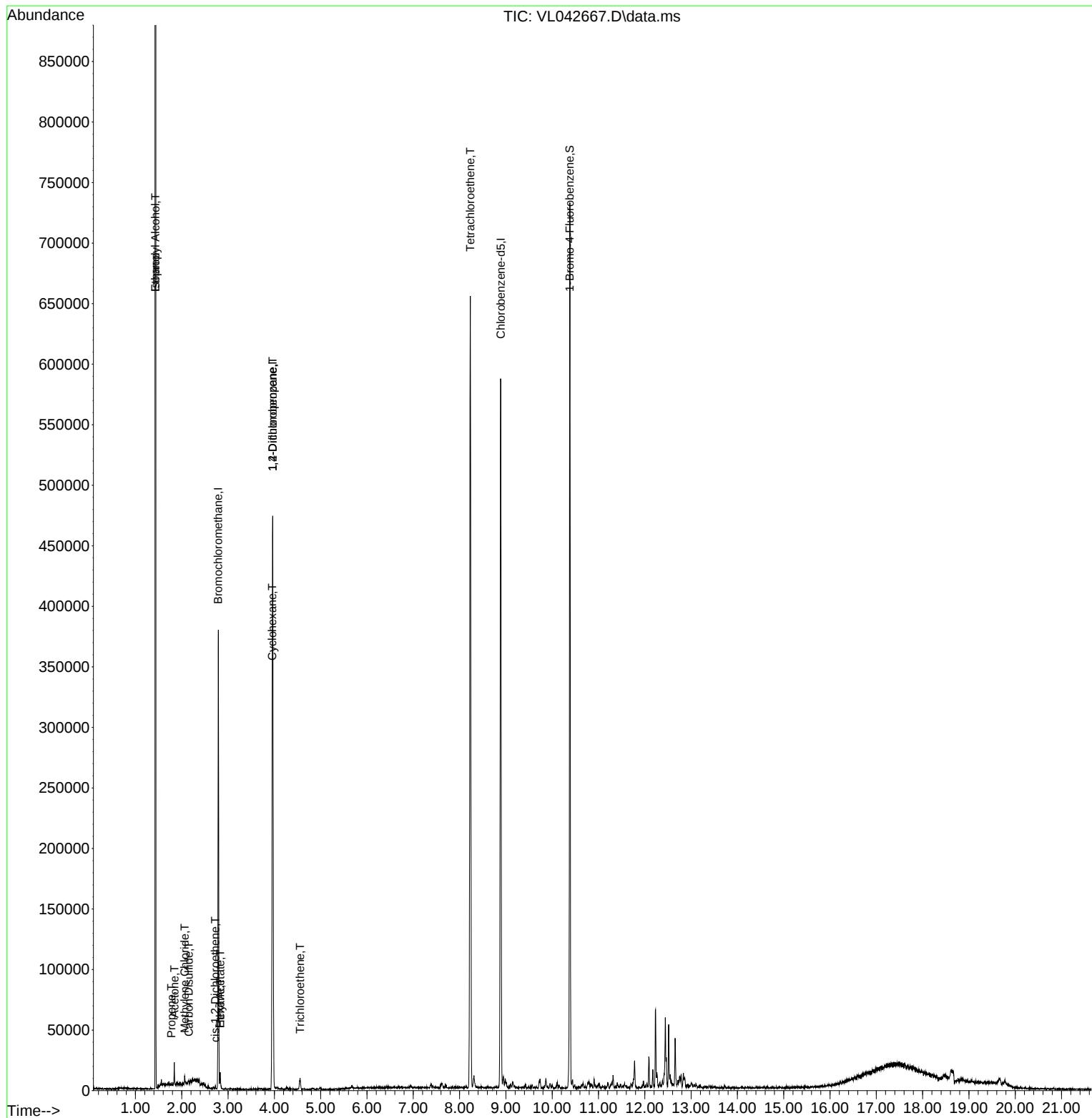
Internal Standards						
1) Bromochloromethane	2.787	49	107527	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	282710	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	243283	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	186365	10.219	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.200%	
Target Compounds						
					Qvalue	
9) Propene	1.774	41	242	0.033	ppbv	86
13) Ethanol	1.431	45	89390	102.333	ppbv	100
15) Acetone	1.839	43	8826	0.681	ppbv	99
19) Isopropyl Alcohol	1.431	45	89390	11.545	ppbv #	38
20) Methylene Chloride	2.066	84	884	0.207	ppbv #	78
25) Ethyl Acetate	2.829	43	2399	0.068	ppbv #	78
26) Hexane	2.829	57	2765	0.172	ppbv #	45
27) Carbon Disulfide	2.150	76	420	0.034	ppbv #	1
30) Cyclohexane	3.953	84	441	0.033	ppbv #	1
31) cis-1,2-Dichloroethene	2.723	61	555	0.038	ppbv #	71
38) Trichloroethene	4.555	130	2437	0.206	ppbv #	86
39) 1,2-Dichloropropane	3.962	63	70072	6.806	ppbv #	23
52) Tetrachloroethene	8.231	164	118544	11.395	ppbv	98

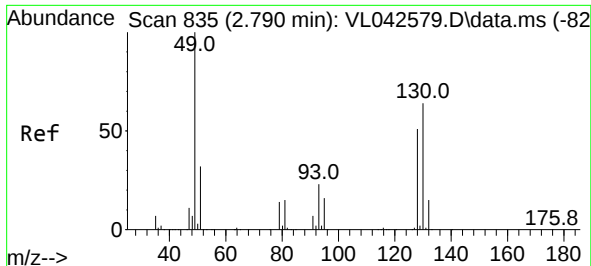
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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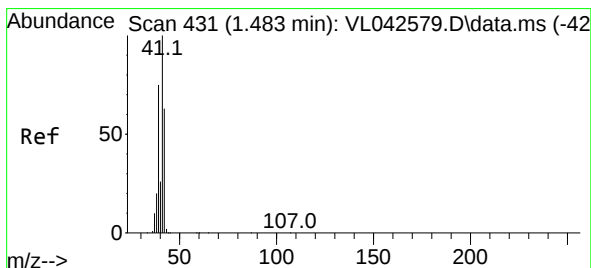
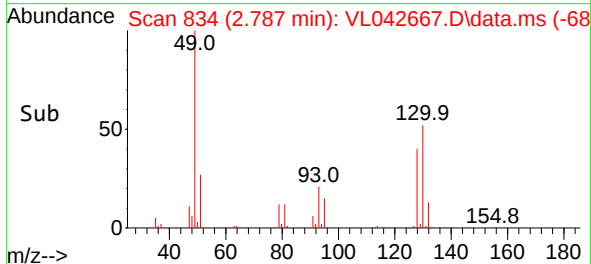
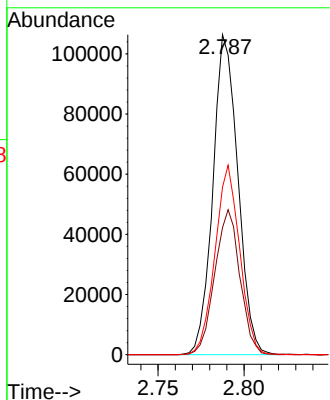
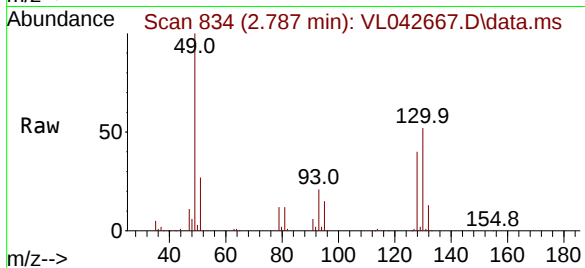




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042667.D
Acq: 23 Jun 2025 12:27

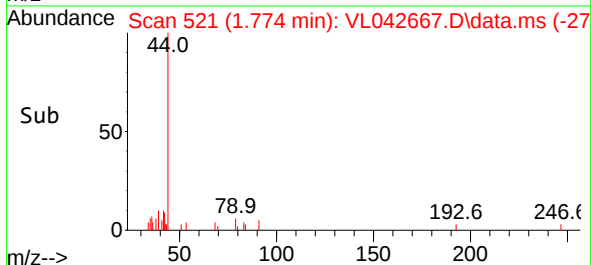
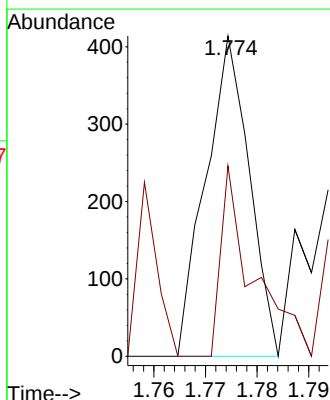
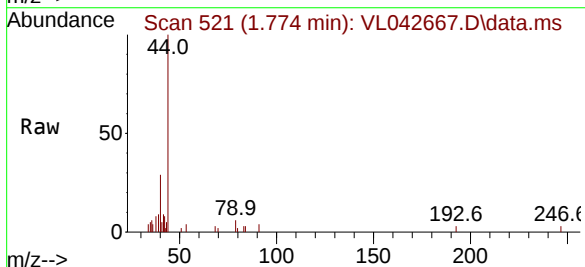
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

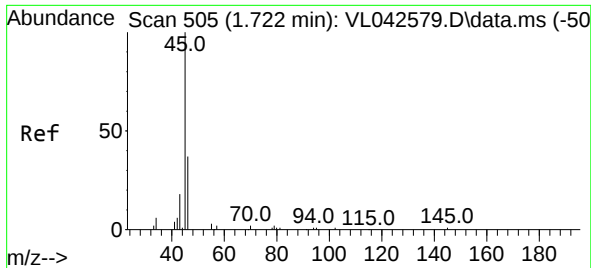
Tgt Ion: 49 Resp: 107527
Ion Ratio Lower Upper
49 100
128 45.6 24.2 72.6
130 58.4 30.4 91.2



#9
Propene
Concen: 0.033 ppbv
RT: 1.774 min Scan# 521
Delta R.T. 0.292 min
Lab File: VL042667.D
Acq: 23 Jun 2025 12:27

Tgt Ion: 41 Resp: 242
Ion Ratio Lower Upper
41 100
42 77.7 53.3 79.9

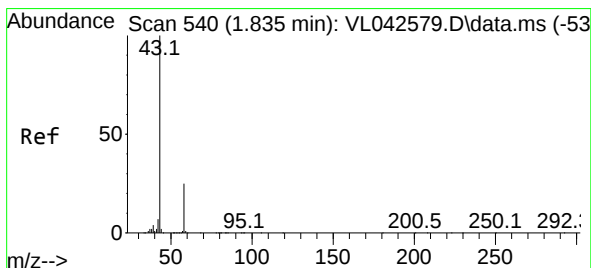
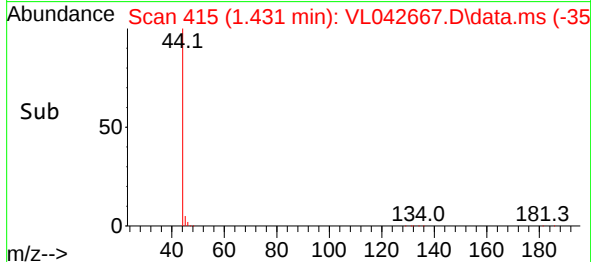
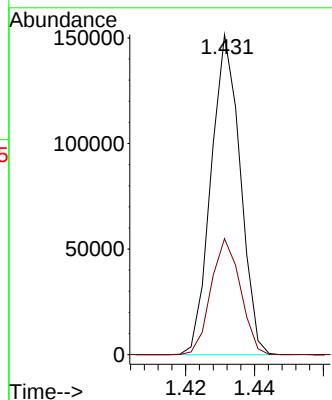
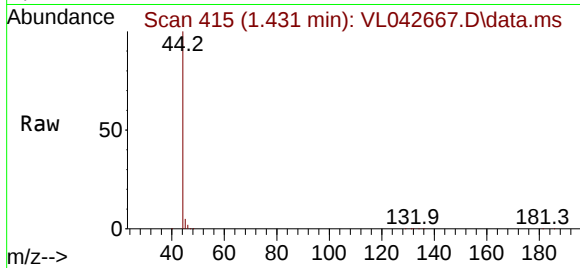




#13
Ethanol
Concen: 102.333 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.291 min
Lab File: VL042667.D
Acq: 23 Jun 2025 12:27

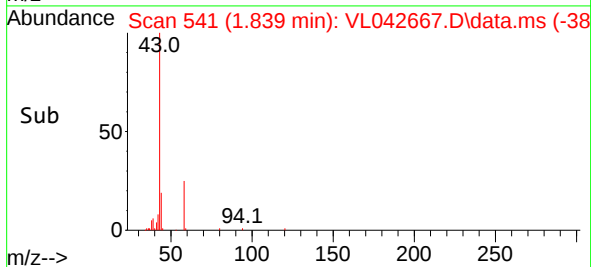
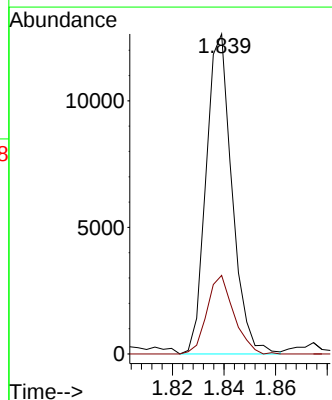
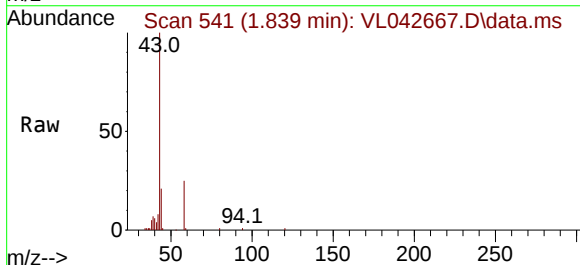
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

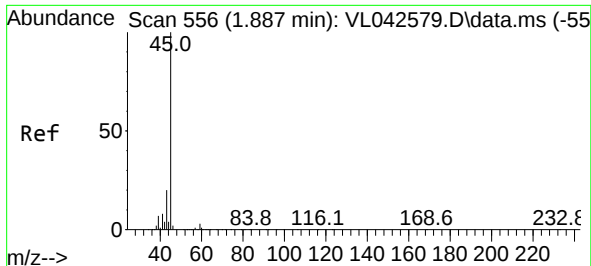
Tgt Ion: 45 Resp: 89390
Ion Ratio Lower Upper
45 100
46 36.5 14.5 58.1



#15
Acetone
Concen: 0.681 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.004 min
Lab File: VL042667.D
Acq: 23 Jun 2025 12:27

Tgt Ion: 43 Resp: 8826
Ion Ratio Lower Upper
43 100
58 25.4 21.0 31.4





#19

Isopropyl Alcohol

Concen: 11.545 ppbv

RT: 1.431 min Scan# 415

Delta R.T. -0.456 min

Lab File: VL042667.D

Acq: 23 Jun 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

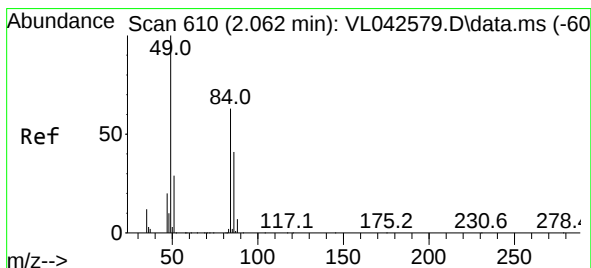
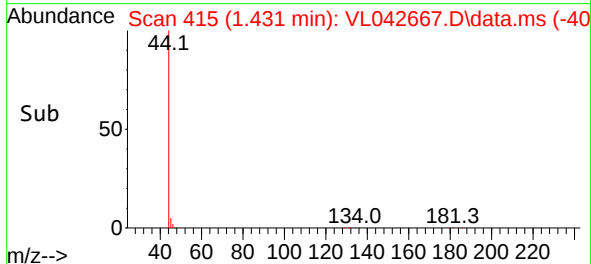
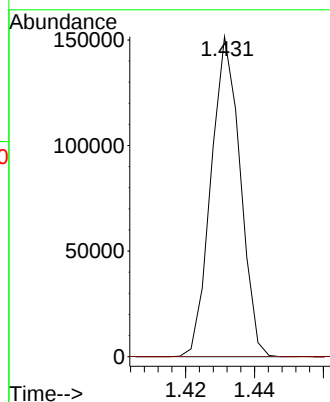
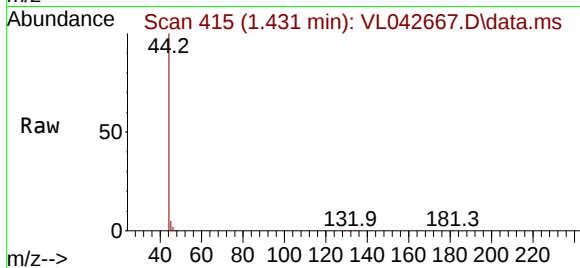
SV1DL

Tgt Ion: 45 Resp: 89390

Ion Ratio Lower Upper

45 100

58 0.0 29.4 44.2#



#20

Methylene Chloride

Concen: 0.207 ppbv

RT: 2.066 min Scan# 611

Delta R.T. 0.004 min

Lab File: VL042667.D

Acq: 23 Jun 2025 12:27

Tgt Ion: 84 Resp: 884

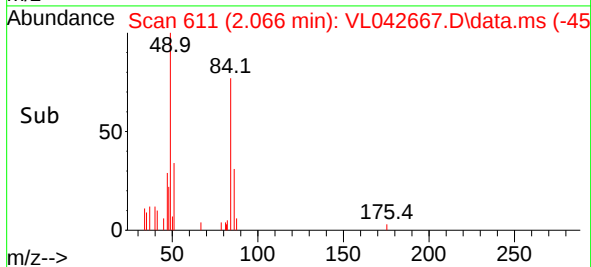
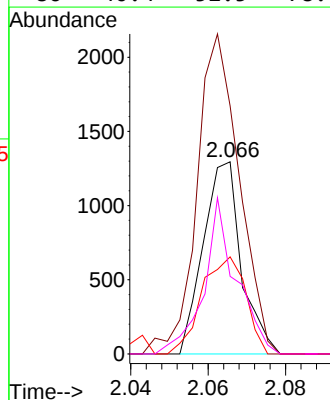
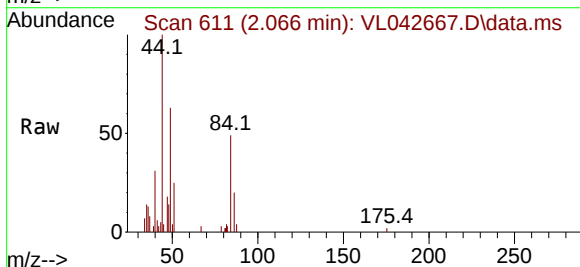
Ion Ratio Lower Upper

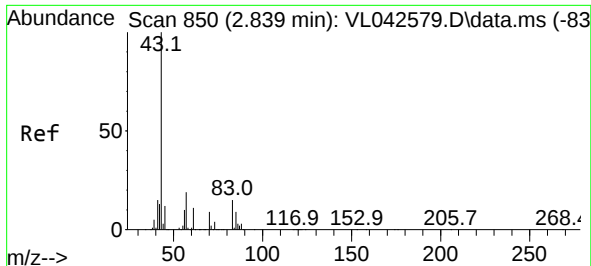
84 100

49 129.1 128.8 193.2

51 50.5 38.6 57.8

86 40.4 52.5 78.7#





#25

Ethyl Acetate

Concen: 0.068 ppbv

RT: 2.829 min Scan# 847

Delta R.T. -0.009 min

Lab File: VL042667.D

Acq: 23 Jun 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 43 Resp: 2399

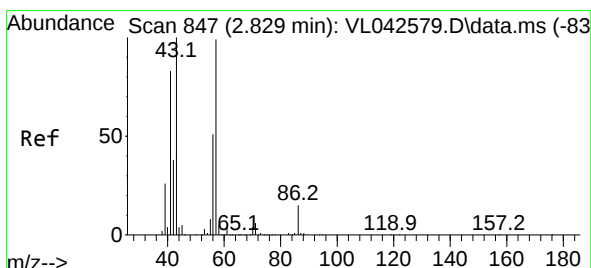
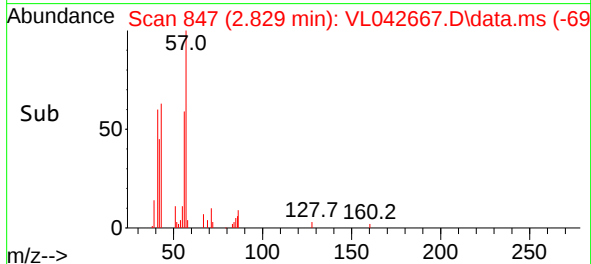
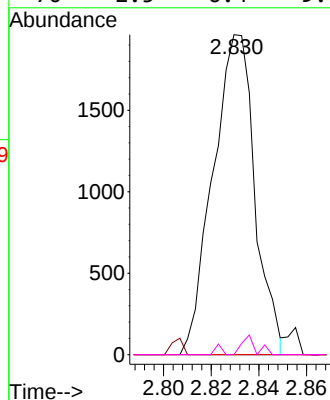
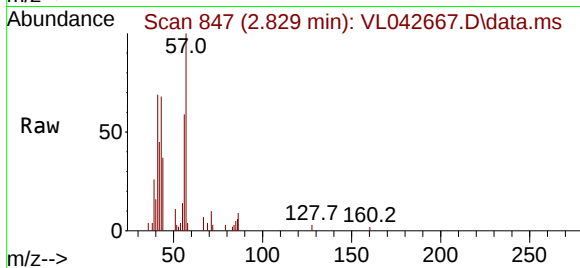
Ion Ratio Lower Upper

43 100

45 1.4 8.2 12.2#

61 0.0 7.1 10.7#

70 2.5 6.4 9.6#



#26

Hexane

Concen: 0.172 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.000 min

Lab File: VL042667.D

Acq: 23 Jun 2025 12:27

Tgt Ion: 57 Resp: 2765

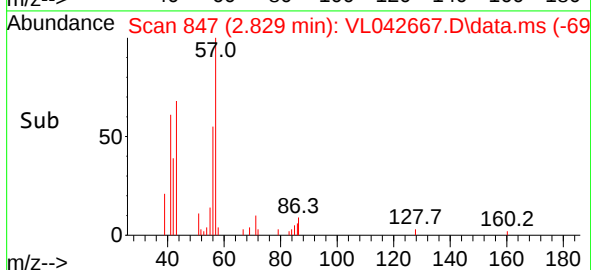
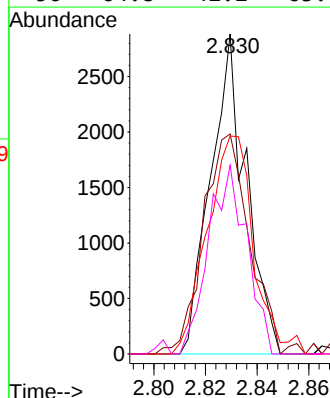
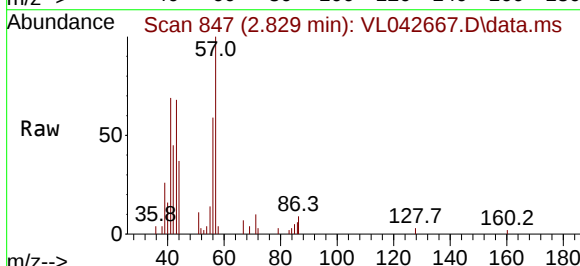
Ion Ratio Lower Upper

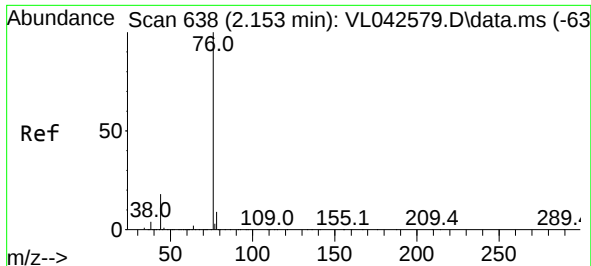
57 100

41 91.9 70.6 106.0

43 88.7 181.1 271.7#

56 64.8 42.2 63.4#

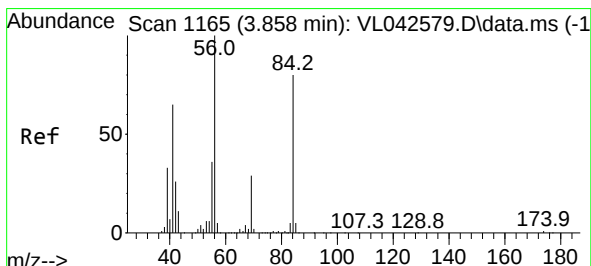
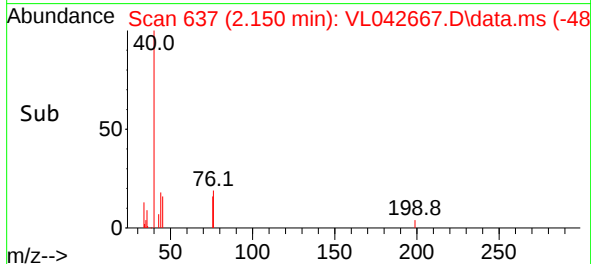
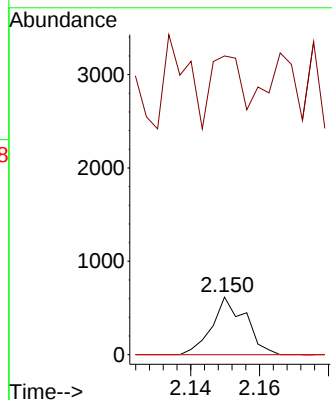
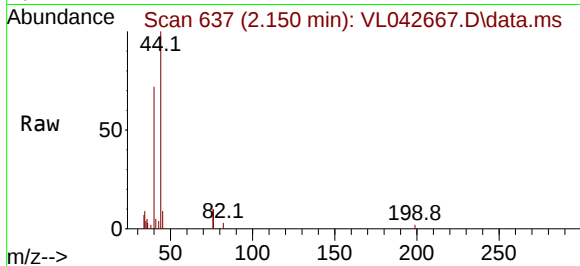




#27
Carbon Disulfide
Concen: 0.034 ppbv
RT: 2.150 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042667.D
Acq: 23 Jun 2025 12:27

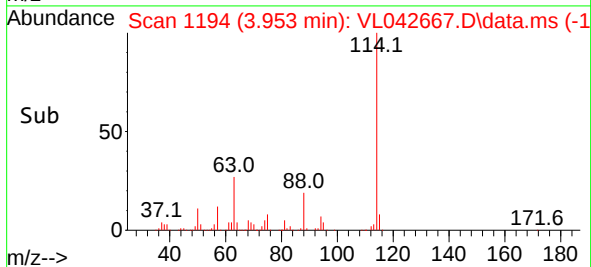
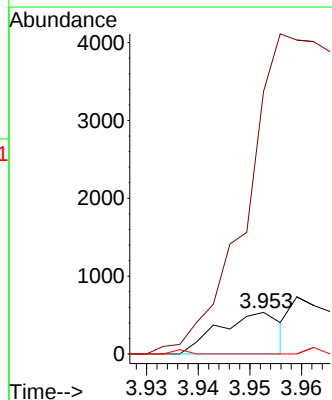
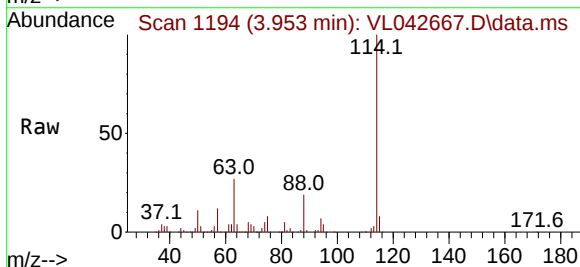
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

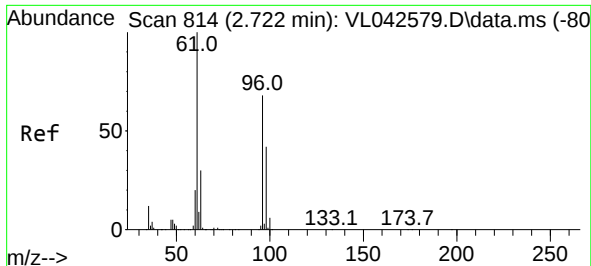
Tgt Ion: 76 Resp: 420
Ion Ratio Lower Upper
76 100
44 560.5 21.3 31.9#
78 0.0 9.4 14.0#



#30
Cyclohexane
Concen: 0.033 ppbv
RT: 3.953 min Scan# 1194
Delta R.T. 0.094 min
Lab File: VL042667.D
Acq: 23 Jun 2025 12:27

Tgt Ion: 84 Resp: 441
Ion Ratio Lower Upper
84 100
56 0.0 103.7 155.5#
41 9.3 65.1 97.7#

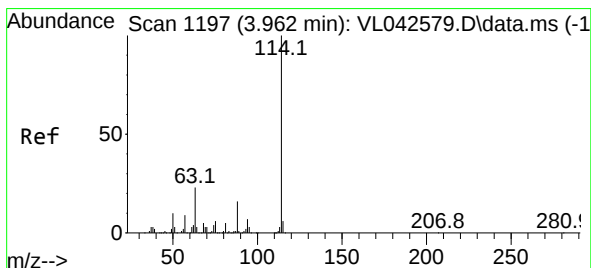
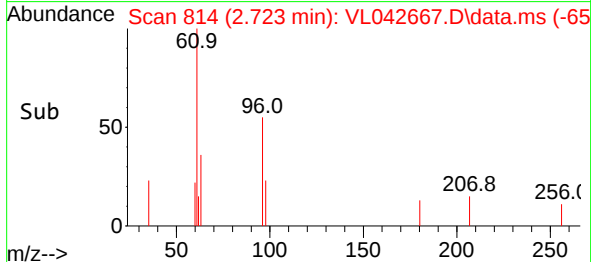
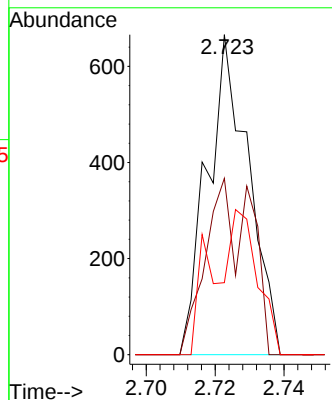
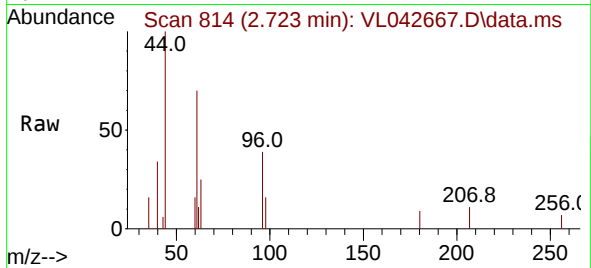




#31
 cis-1,2-Dichloroethene
 Concen: 0.038 ppbv
 RT: 2.723 min Scan# 814
 Delta R.T. 0.000 min
 Lab File: VL042667.D
 Acq: 23 Jun 2025 12:27

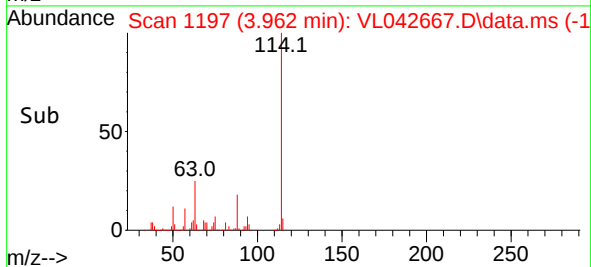
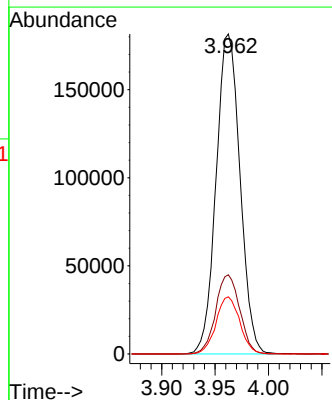
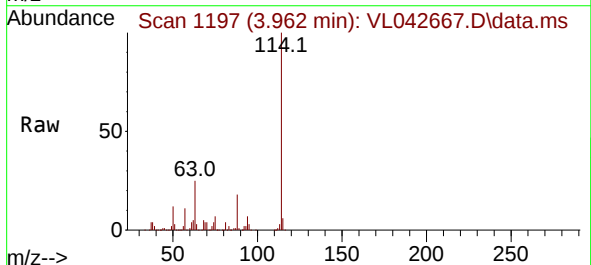
Instrument :
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 ClientSampleId :
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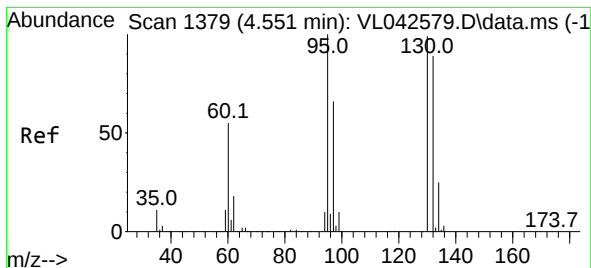
Tgt Ion: 61 Resp: 555
 Ion Ratio Lower Upper
 61 100
 96 47.8 54.5 81.7#
 98 19.5 33.4 50.2#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. 0.000 min
 Lab File: VL042667.D
 Acq: 23 Jun 2025 12:27

Tgt Ion: 114 Resp: 282710
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.0 28.6
 88 17.8 13.6 20.4





#38

Trichloroethene

Concen: 0.206 ppbv

RT: 4.555 min Scan# 1197

Delta R.T. 0.004 min

Lab File: VL042667.D

Acq: 23 Jun 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:130 Resp: 2437

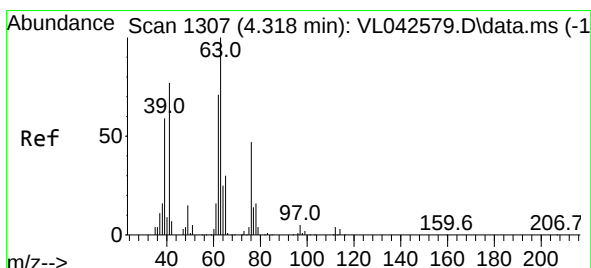
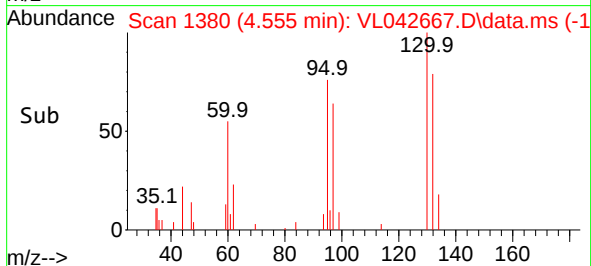
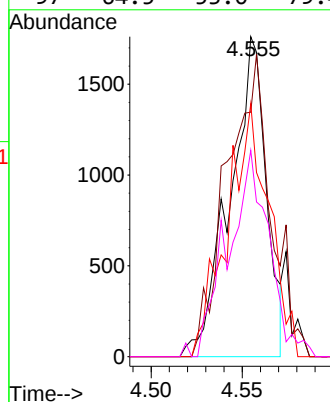
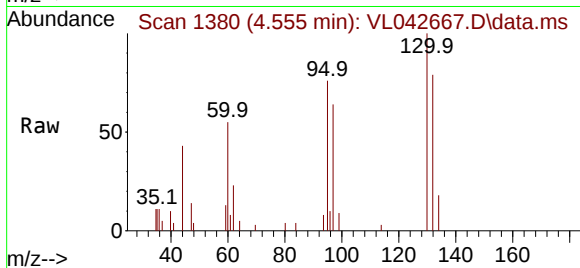
Ion Ratio Lower Upper

130 100

95 76.4 80.6 121.0#

132 79.1 71.8 107.6

97 64.5 53.0 79.4



#39

1,2-Dichloropropane

Concen: 6.806 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.356 min

Lab File: VL042667.D

Acq: 23 Jun 2025 12:27

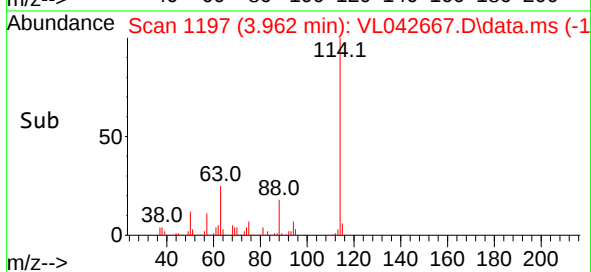
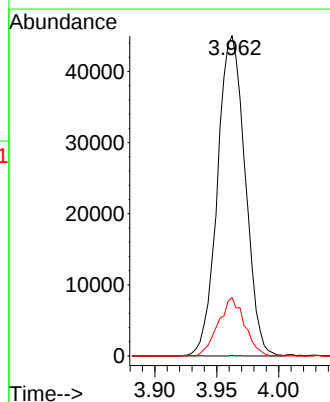
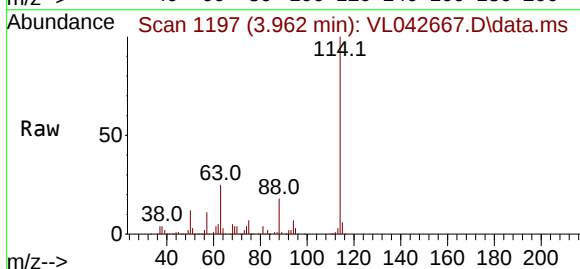
Tgt Ion: 63 Resp: 70072

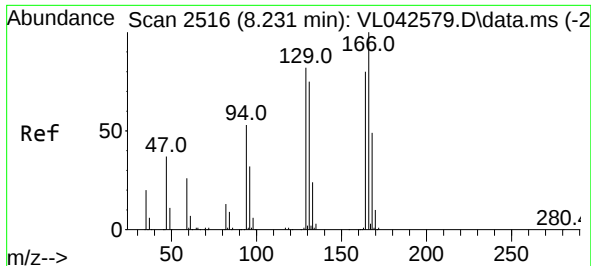
Ion Ratio Lower Upper

63 100

41 0.2 61.8 92.6#

62 18.2 56.6 85.0#

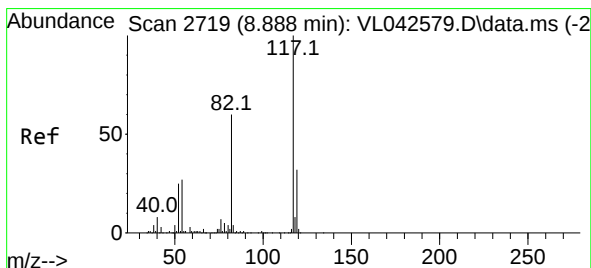
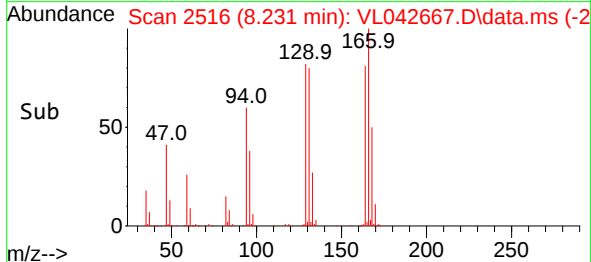
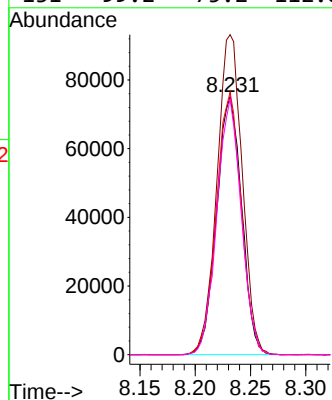
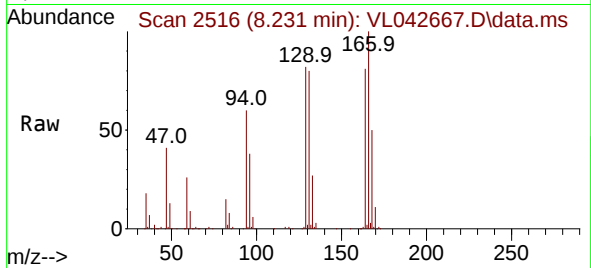




#52
Tetrachloroethene
Concen: 11.395 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042667.D
Acq: 23 Jun 2025 12:27

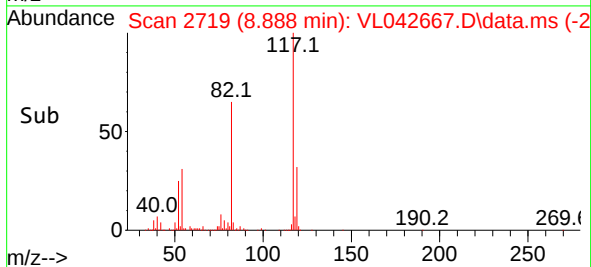
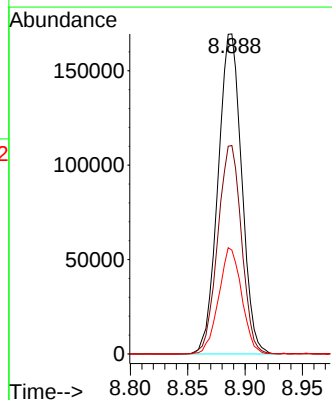
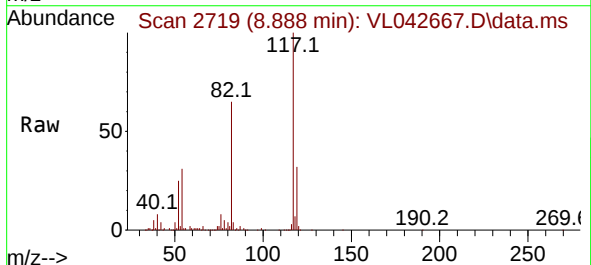
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

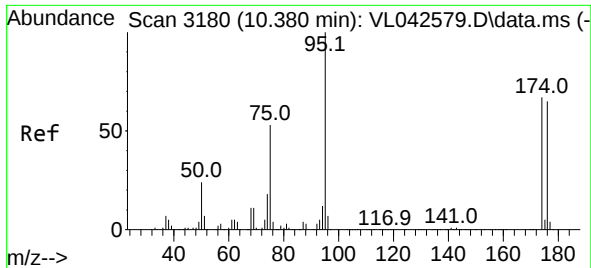
Tgt Ion:164 Resp: 118544
Ion Ratio Lower Upper
164 100
166 124.1 100.0 150.0
129 101.7 82.2 123.4
131 99.2 75.2 112.8



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042667.D
Acq: 23 Jun 2025 12:27

Tgt Ion:117 Resp: 243283
Ion Ratio Lower Upper
117 100
82 65.5 51.2 76.8
119 32.3 26.3 39.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.219 ppbv
 RT: 10.381 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VL042667.D
 Acq: 23 Jun 2025 12:27

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion: 95 Resp: 186365
 Ion Ratio Lower Upper
 95 100
 174 61.9 53.1 79.7
 175 4.4 4.2 6.2

