

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042282.D
 Acq On : 09 Apr 2025 02:20
 Operator : SY/MD
 Sample : Q1728-05 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-6-04022025DL

Quant Time: Apr 09 05:22:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

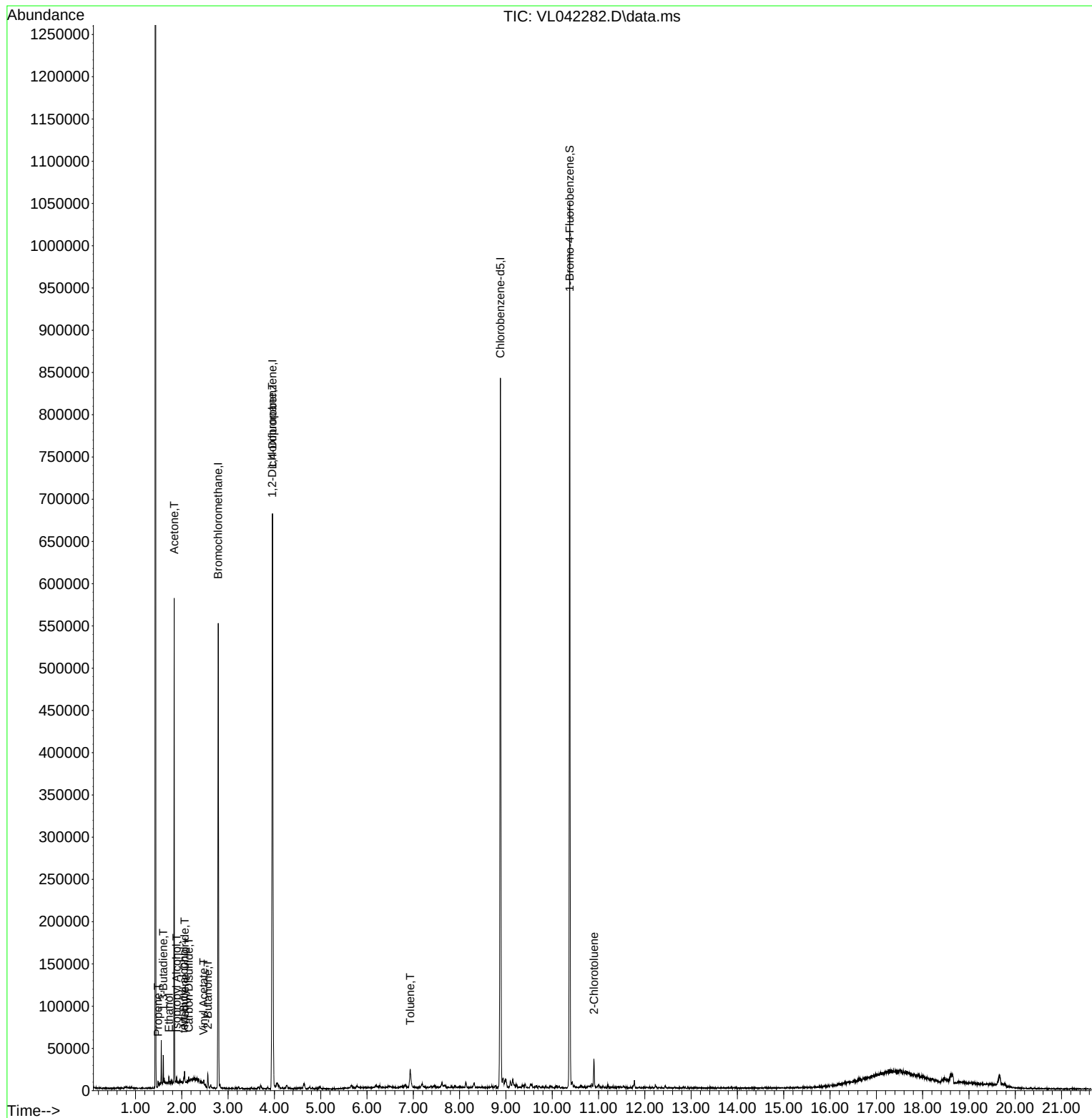
Internal Standards						
1) Bromochloromethane	2.787	49	151544	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	379950	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	331294	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	250221	9.197	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.000%
Target Compounds						
					Qvalue	
9) Propene	1.486	41	965	0.092	ppbv #	15
13) Ethanol	1.722	45	2925	2.953	ppbv #	27
15) Acetone	1.835	43	240014	11.324	ppbv	95
16) 1,3-Butadiene	1.599	39	3677	0.355	ppbv #	25
17) tert-Butyl alcohol	2.043	59	1837	0.070	ppbv #	92
19) Isopropyl Alcohol	1.887	45	3321	0.278	ppbv #	1
20) Methylene Chloride	2.062	84	2077	0.263	ppbv #	78
23) Vinyl Acetate	2.473	43	1690	0.184	ppbv #	24
27) Carbon Disulfide	2.149	76	2376	0.104	ppbv #	1
34) 2-Butanone	2.560	43	10478	0.380	ppbv	96
39) 1,2-Dichloropropane	3.955	63	96019	7.000	ppbv #	22
53) Toluene	6.933	91	13969	0.313	ppbv	96
71) 2-Chlorotoluene	10.901	91	11092	0.203	ppbv	94

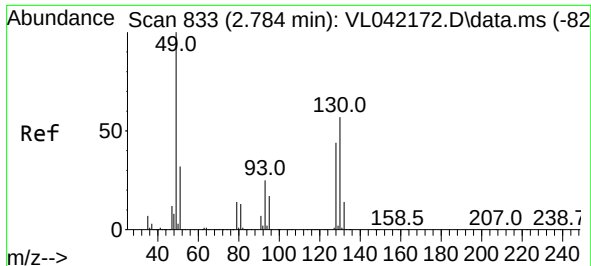
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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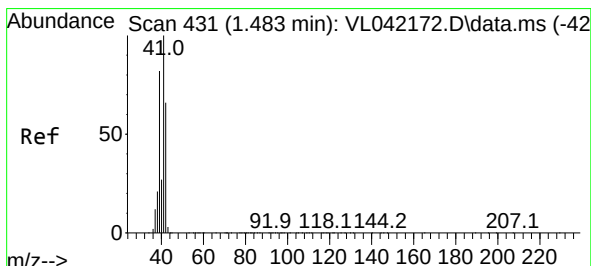
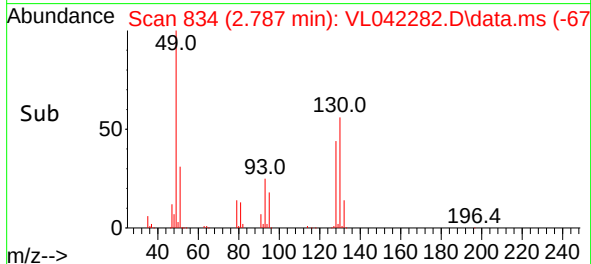
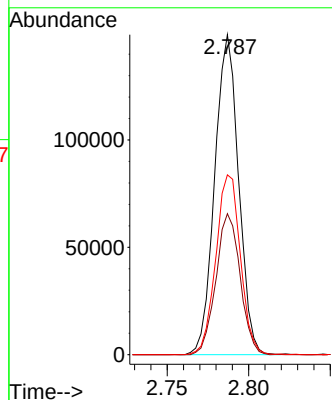
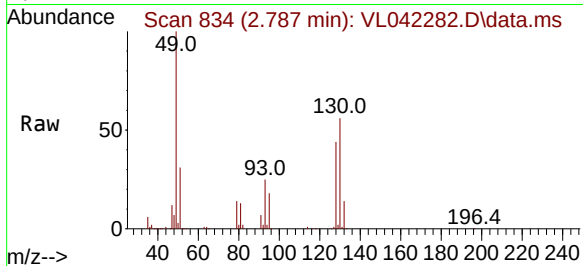




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

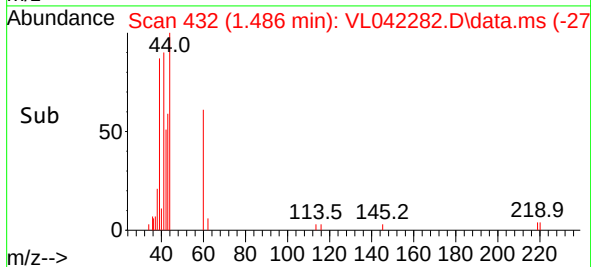
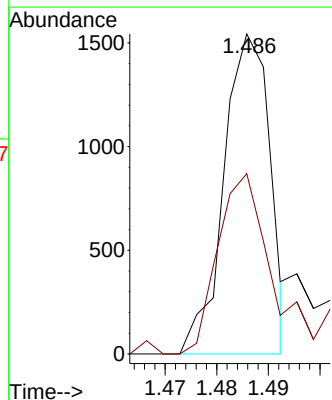
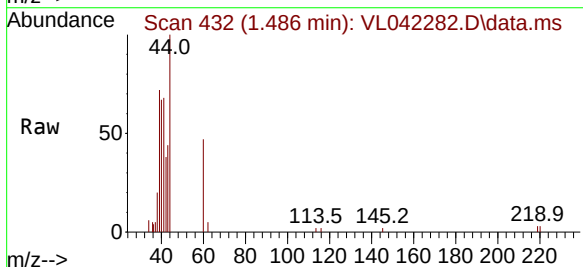
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025DL

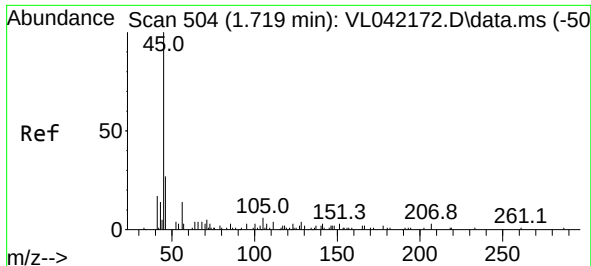
Tgt Ion: 49 Resp: 151544
Ion Ratio Lower Upper
49 100
128 44.7 22.9 68.5
130 57.9 28.8 86.4



#9
Propene
Concen: 0.092 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

Tgt Ion: 41 Resp: 965
Ion Ratio Lower Upper
41 100
42 0.0 55.4 83.2#

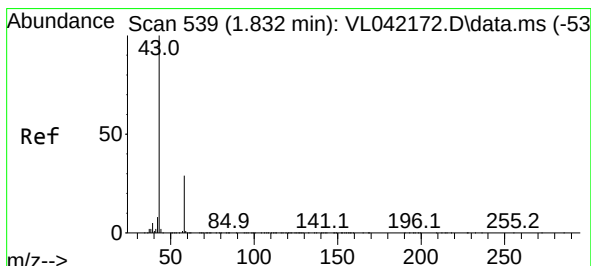
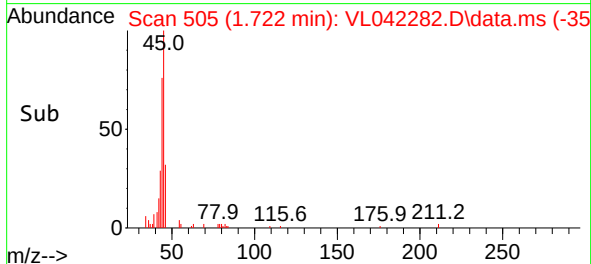
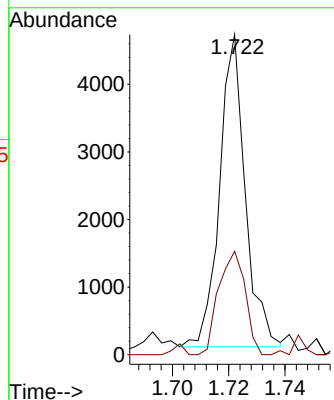
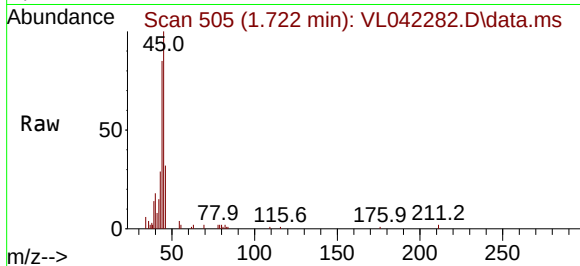




#13
Ethanol
Concen: 2.953 ppbv
RT: 1.722 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

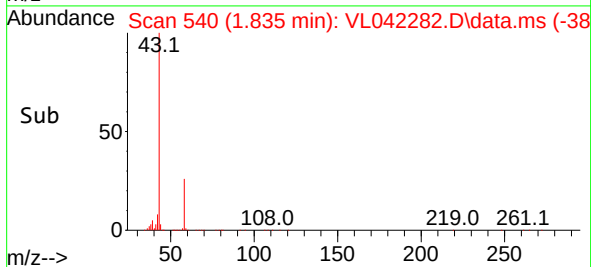
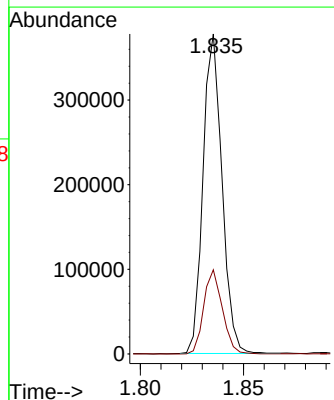
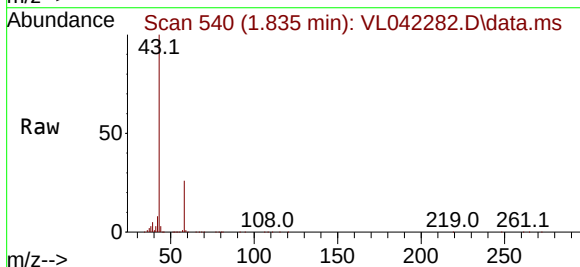
Instrument :
MSVOA_1
ClientSampleId :
SSSG-B2-6-04022025DL

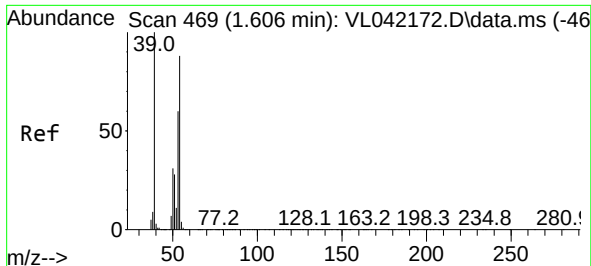
Tgt Ion: 45 Resp: 2925
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#



#15
Acetone
Concen: 11.324 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

Tgt Ion: 43 Resp: 240014
Ion Ratio Lower Upper
43 100
58 26.1 23.2 34.8





#16

1,3-Butadiene

Concen: 0.355 ppbv

RT: 1.599 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL042282.D

Acq: 09 Apr 2025 02:20

Instrument :

MSVOA_1

ClientSampleId :

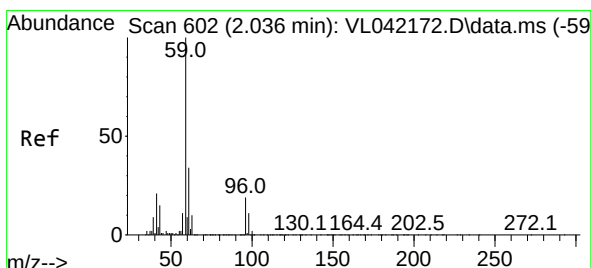
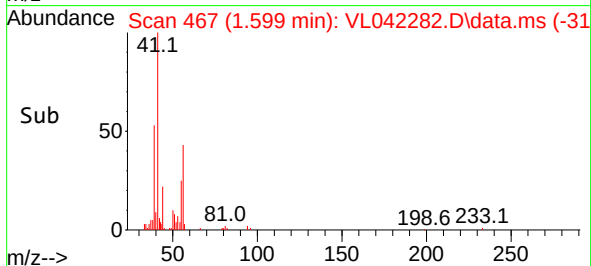
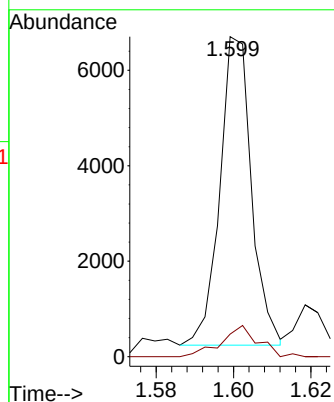
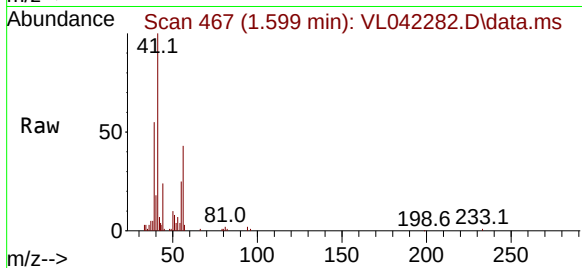
SSSG-B2-6-04022025DL

Tgt Ion: 39 Resp: 3677

Ion Ratio Lower Upper

39 100

54 11.7 60.7 91.1#



#17

tert-Butyl alcohol

Concen: 0.070 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042282.D

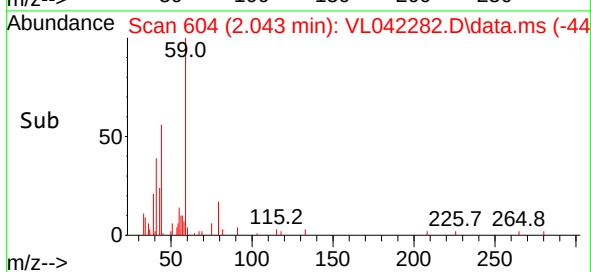
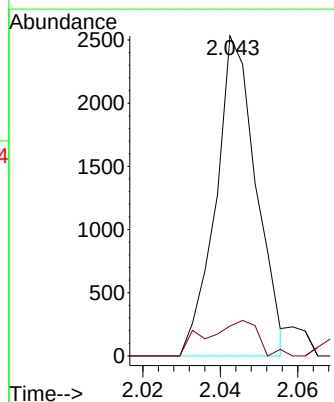
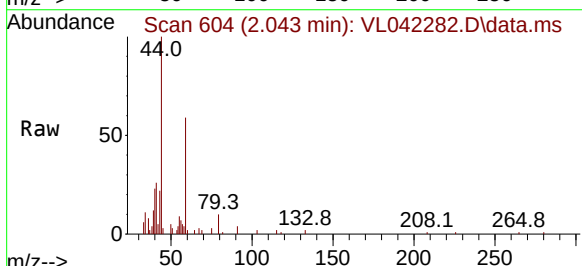
Acq: 09 Apr 2025 02:20

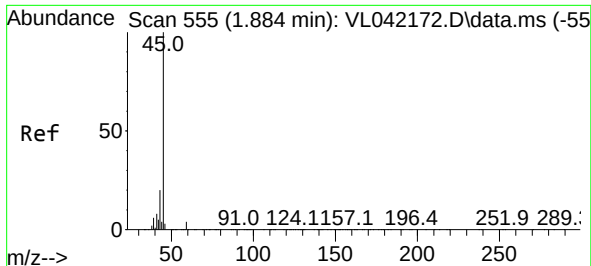
Tgt Ion: 59 Resp: 1837

Ion Ratio Lower Upper

59 100

57 14.0 8.9 13.3#

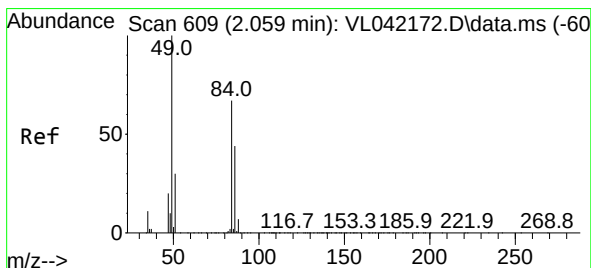
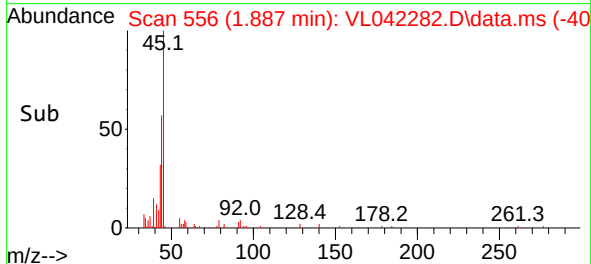
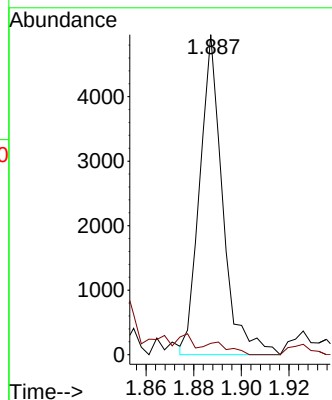
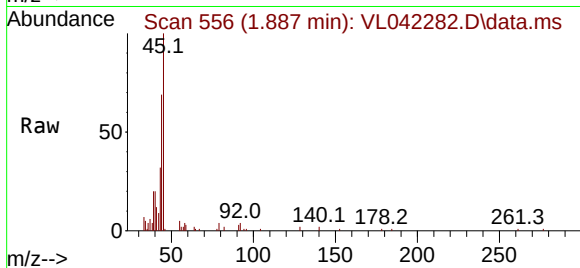




#19
Isopropyl Alcohol
Concen: 0.278 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

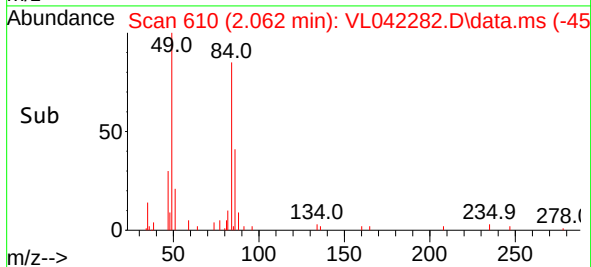
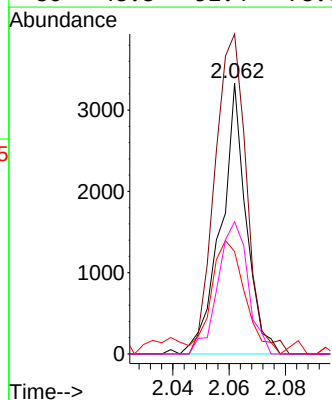
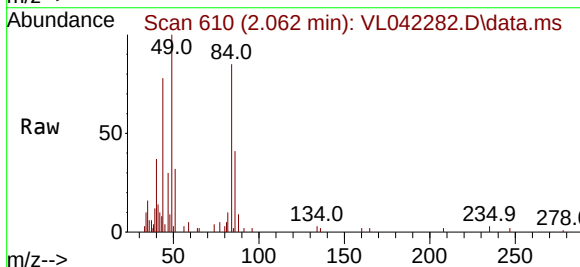
Instrument :
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ClientSampleId :
SSSG-B2-6-04022025DL

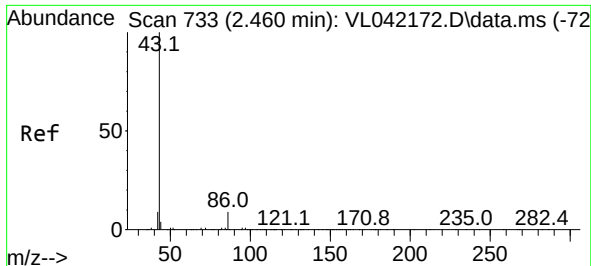
Tgt Ion: 45 Resp: 3321
Ion Ratio Lower Upper
45 100
58 1886.1 36.9 55.3#



#20
Methylene Chloride
Concen: 0.263 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

Tgt Ion: 84 Resp: 2077
Ion Ratio Lower Upper
84 100
49 118.2 120.2 180.4#
51 37.8 37.4 56.0
86 48.8 52.4 78.6#

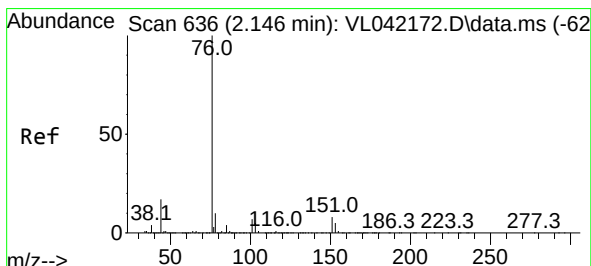
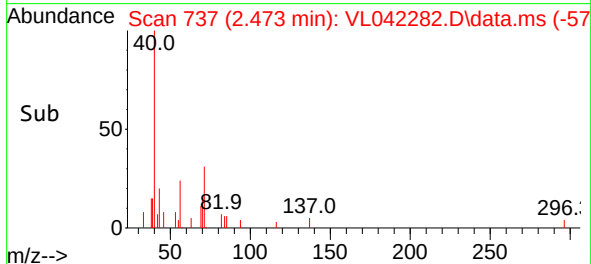
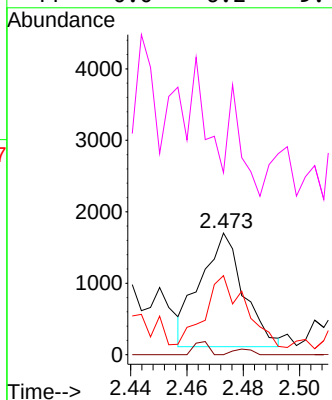
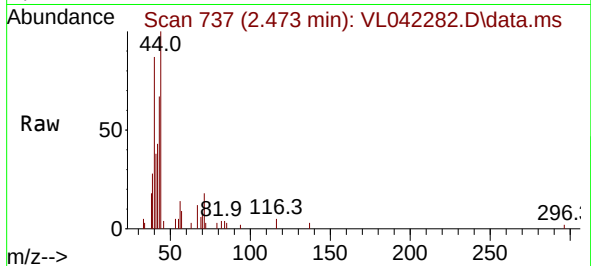




#23
 Vinyl Acetate
 Concen: 0.184 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL042282.D
 Acq: 09 Apr 2025 02:20

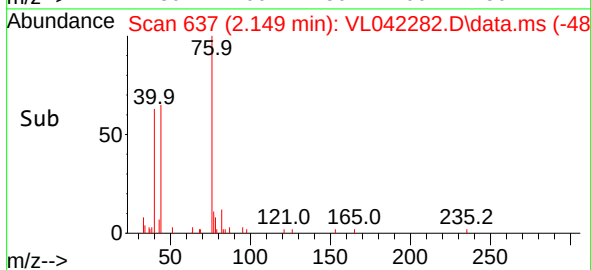
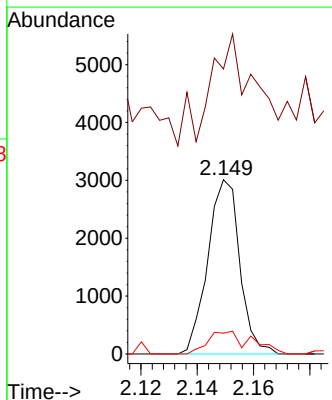
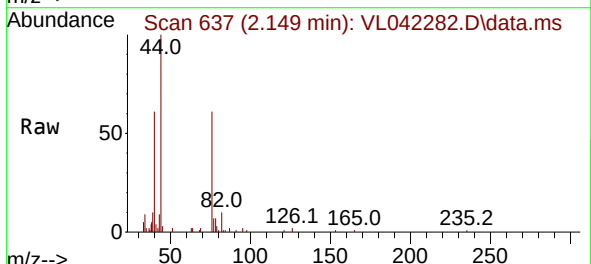
Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-6-04022025DL

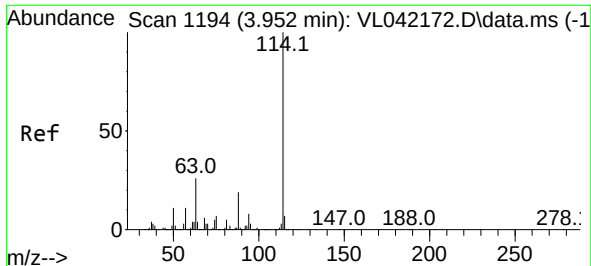
Tgt Ion:	43	Resp:	1690
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	67.3	8.6	13.0#
44	0.0	6.2	9.4#



#27
 Carbon Disulfide
 Concen: 0.104 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.003 min
 Lab File: VL042282.D
 Acq: 09 Apr 2025 02:20

Tgt Ion:	76	Resp:	2376
Ion	Ratio	Lower	Upper
76	100		
44	427.9	14.7	22.1#
78	18.5	9.3	13.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL042282.D

Acq: 09 Apr 2025 02:20

Instrument :

MSVOA_1

ClientSampleId :

SSSG-B2-6-04022025DL

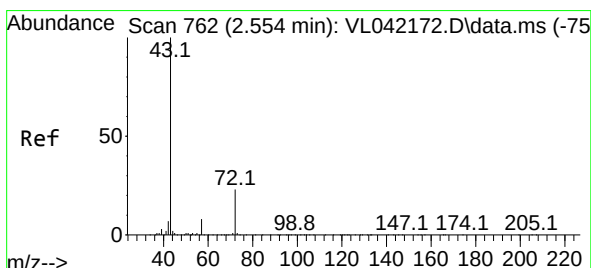
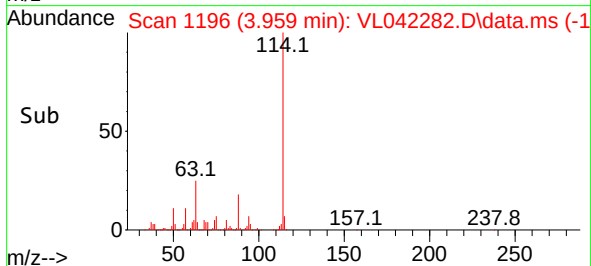
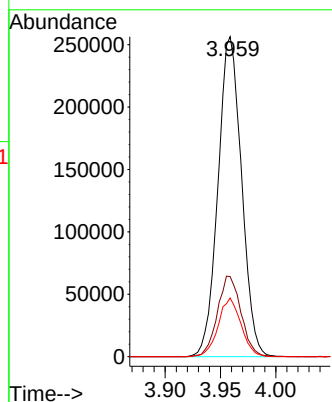
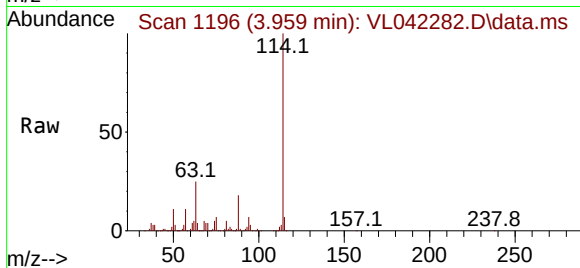
Tgt Ion:114 Resp: 379950

Ion Ratio Lower Upper

114 100

63 25.3 20.7 31.1

88 17.7 15.0 22.4



#34

2-Butanone

Concen: 0.380 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL042282.D

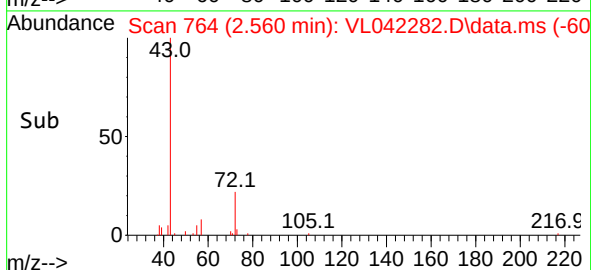
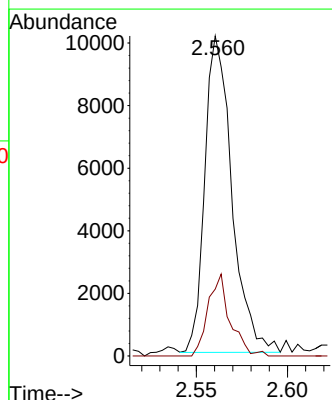
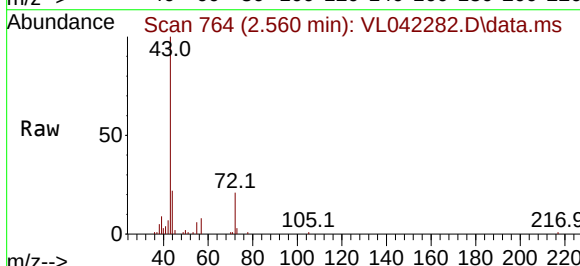
Acq: 09 Apr 2025 02:20

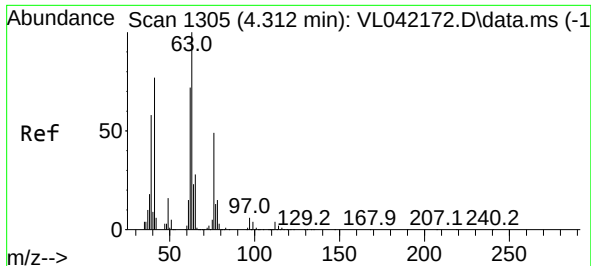
Tgt Ion: 43 Resp: 10478

Ion Ratio Lower Upper

43 100

72 20.9 18.2 27.2





#39

1,2-Dichloropropane

Concen: 7.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042282.D

Acq: 09 Apr 2025 02:20

Instrument :

MSVOA_L

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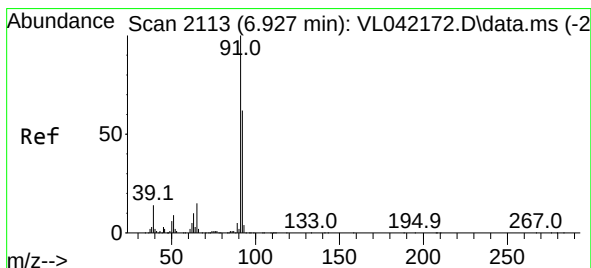
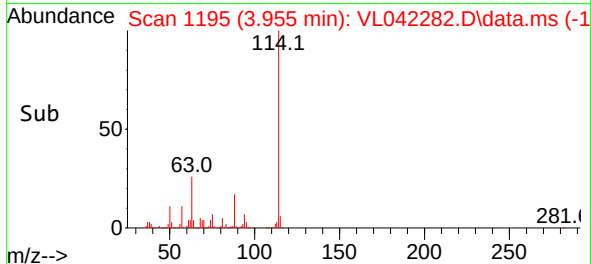
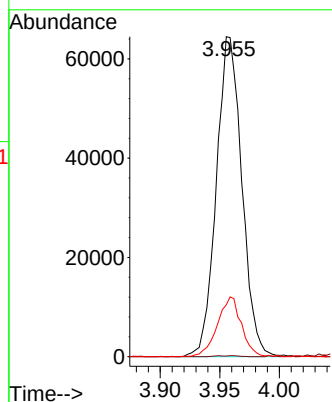
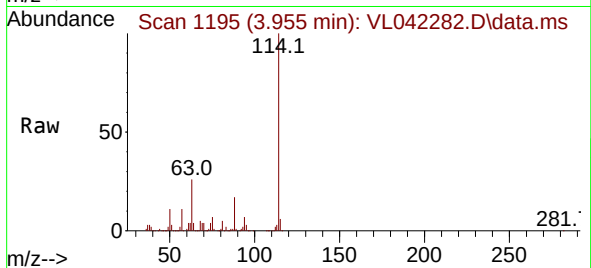
Tgt Ion: 63 Resp: 96019

Ion Ratio Lower Upper

63 100

41 0.2 61.7 92.5#

62 16.2 57.6 86.4#



#53

Toluene

Concen: 0.313 ppbv

RT: 6.933 min Scan# 2115

Delta R.T. 0.006 min

Lab File: VL042282.D

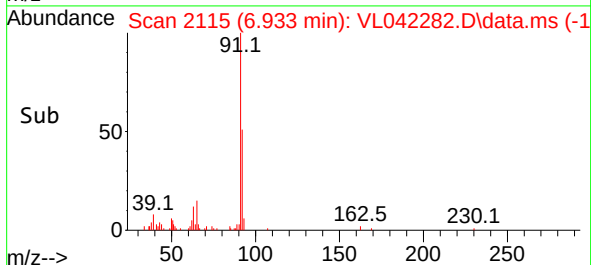
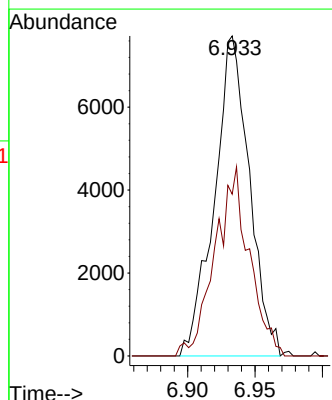
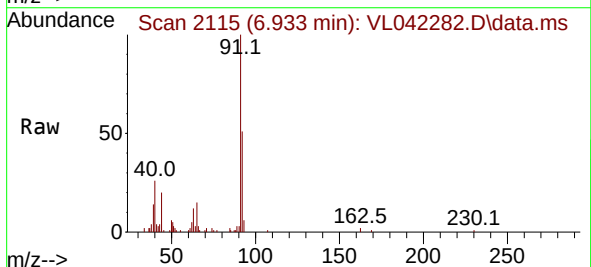
Acq: 09 Apr 2025 02:20

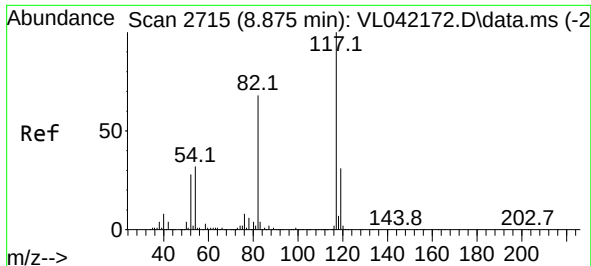
Tgt Ion: 91 Resp: 13969

Ion Ratio Lower Upper

91 100

92 57.7 48.4 72.6

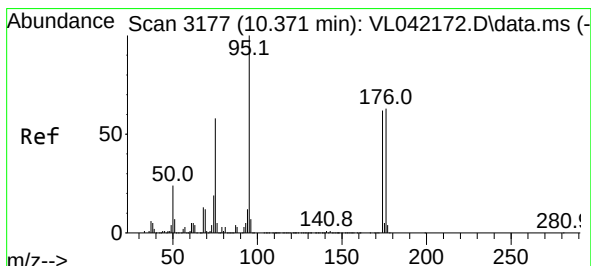
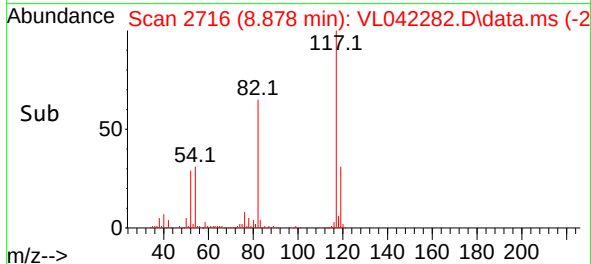
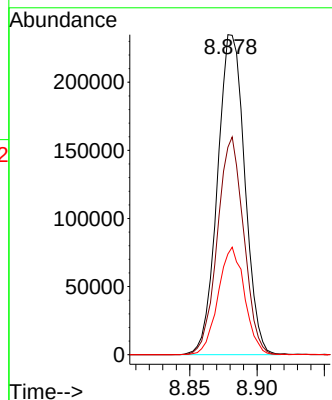
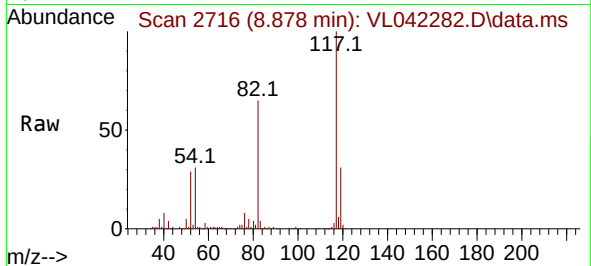




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

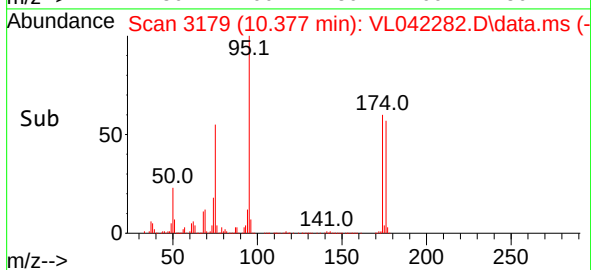
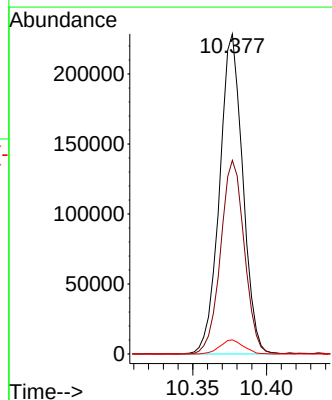
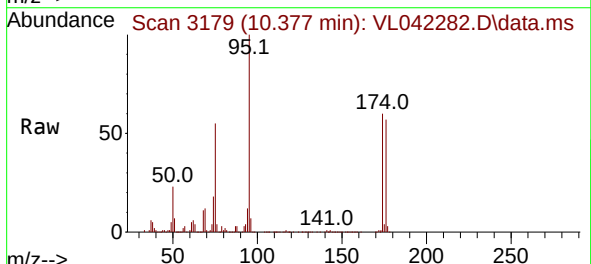
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-6-04022025DL

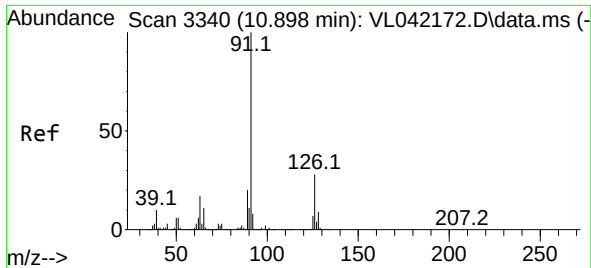
Tgt Ion:117 Resp: 331294
Ion Ratio Lower Upper
117 100
82 65.6 55.8 83.6
119 32.6 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.197 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042282.D
Acq: 09 Apr 2025 02:20

Tgt Ion: 95 Resp: 250221
Ion Ratio Lower Upper
95 100
174 62.0 50.6 76.0
175 4.5 3.8 5.6





#71
 2-Chlorotoluene
 Concen: 0.203 ppbv
 RT: 10.901 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL042282.D
 Acq: 09 Apr 2025 02:20

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-6-04022025DL

Tgt Ion: 91 Resp: 11092
 Ion Ratio Lower Upper
 91 100
 126 32.4 11.6 46.4

