

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042264.D
 Acq On : 08 Apr 2025 15:25
 Operator : SY/MD
 Sample : Q1728-11 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B1-4-04012025

Quant Time: Apr 09 01:56:36 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

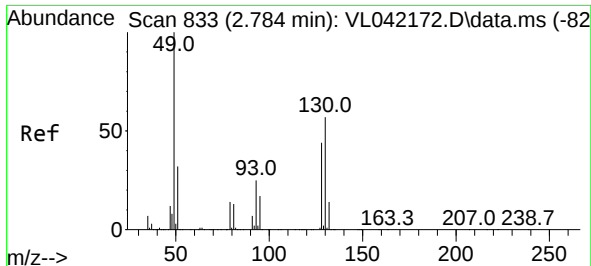
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	167832	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	455581	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	396189	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	304927	9.372	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	1199	0.048	ppbv	96
3) Chlorodifluoromethane	1.483	51	882	0.035	ppbv	92
8) Dichlorotetrafluoroethane	1.505	85	1199	0.057	ppbv #	17
9) Propene	1.496	41	540	0.047	ppbv #	72
13) Ethanol	1.437	45	346019	315.458	ppbv	79
15) Acetone	1.845	43	26507	1.129	ppbv	95
16) 1,3-Butadiene	1.609	39	1824	0.159	ppbv #	11
19) Isopropyl Alcohol	1.437	45	346019	26.127	ppbv #	30
20) Methylene Chloride	2.075	84	1419	0.162	ppbv #	88
23) Vinyl Acetate	2.470	43	819	0.081	ppbv #	71
26) Hexane	2.842	57	937	0.040	ppbv #	33
29) Chloroform	2.865	83	1964	0.057	ppbv	90
34) 2-Butanone	2.577	43	1584	0.048	ppbv	93
39) 1,2-Dichloropropane	3.981	63	113677	6.911	ppbv #	22
53) Toluene	6.959	91	8616	0.161	ppbv	96
59) m/p-Xylene	9.555	91	3666	0.065	ppbv #	17
60) o-Xylene	9.985	91	3635	0.065	ppbv	95
61) Styrene	9.888	104	1270	0.046	ppbv #	87
73) 1,3,5-Trimethylbenzene	11.222	105	1903	0.031	ppbv #	81

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

Quant Time: Apr 09 01:56:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

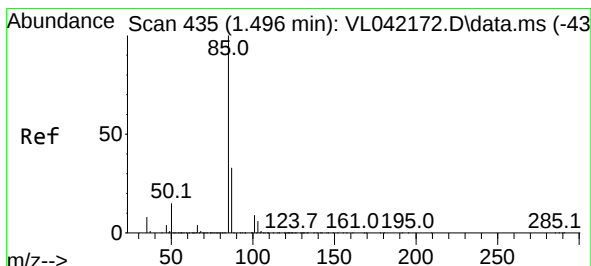
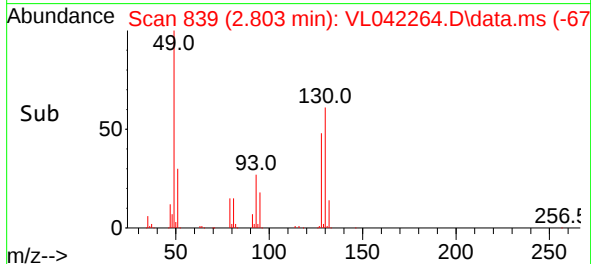
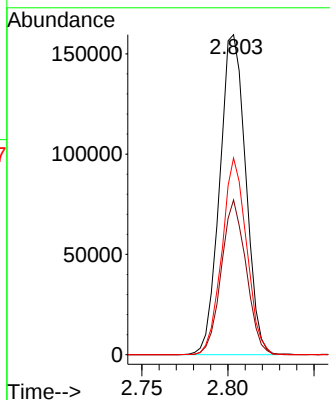
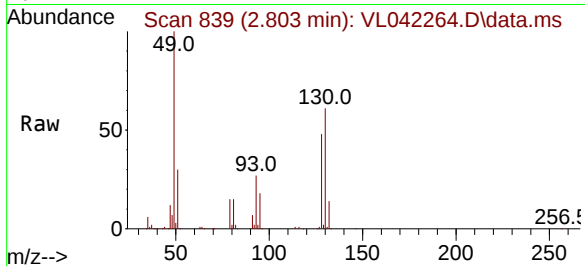




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.803 min Scan# 81
 Delta R.T. 0.019 min
 Lab File: VL042264.D
 Acq: 08 Apr 2025 15:25

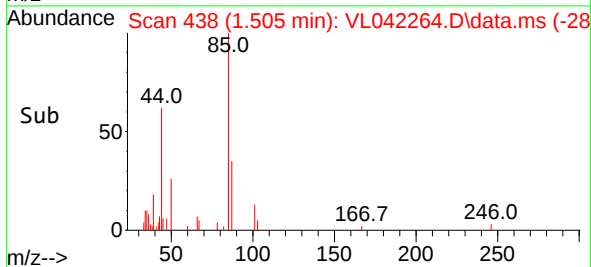
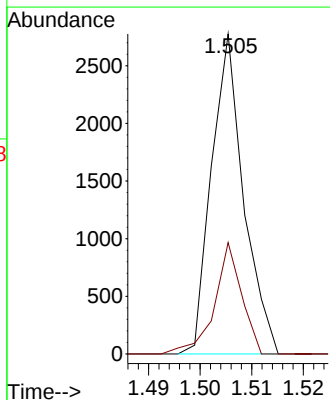
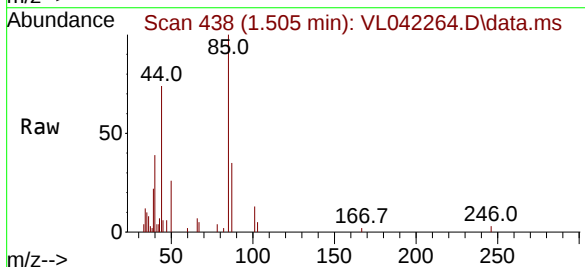
Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B1-4-04012025

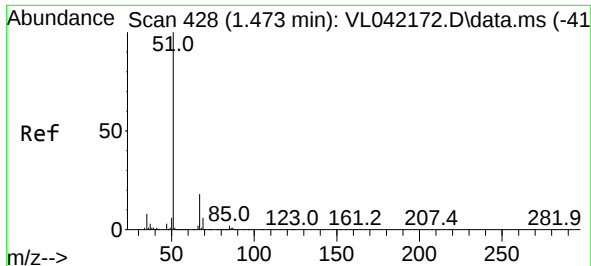
Tgt Ion: 49 Resp: 167832
 Ion Ratio Lower Upper
 49 100
 128 46.1 22.9 68.5
 130 58.2 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 0.048 ppbv
 RT: 1.505 min Scan# 438
 Delta R.T. 0.010 min
 Lab File: VL042264.D
 Acq: 08 Apr 2025 15:25

Tgt Ion: 85 Resp: 1199
 Ion Ratio Lower Upper
 85 100
 87 34.8 26.1 39.1

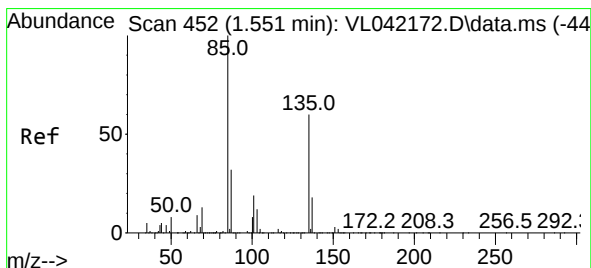
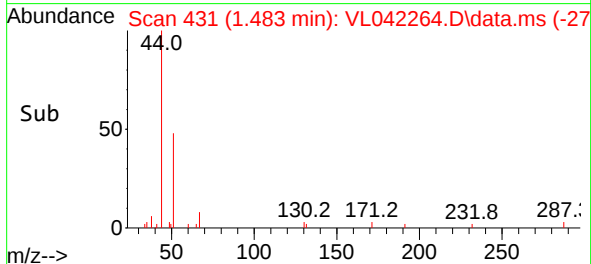
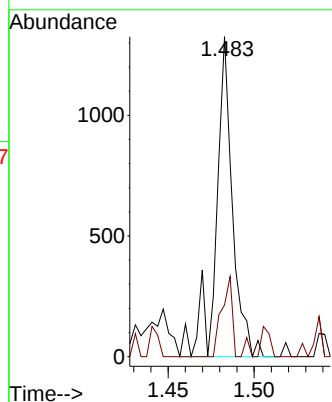
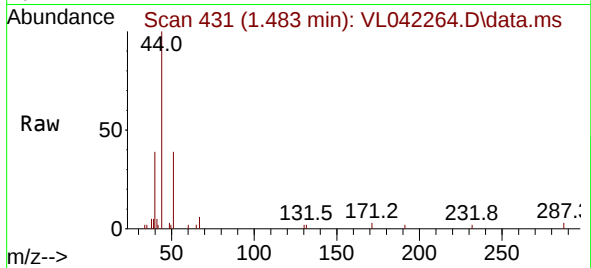




#3
Chlorodifluoromethane
Concen: 0.035 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

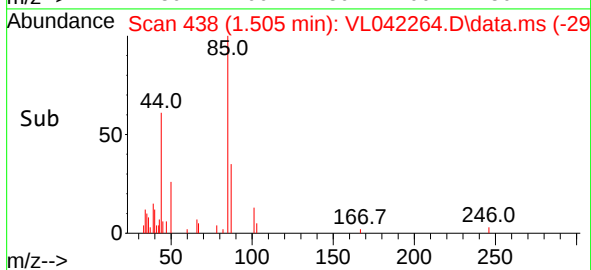
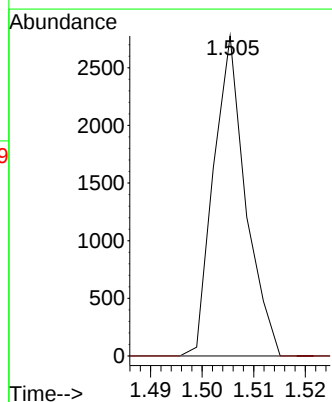
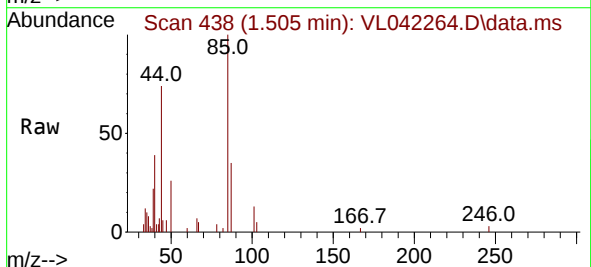
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-4-04012025

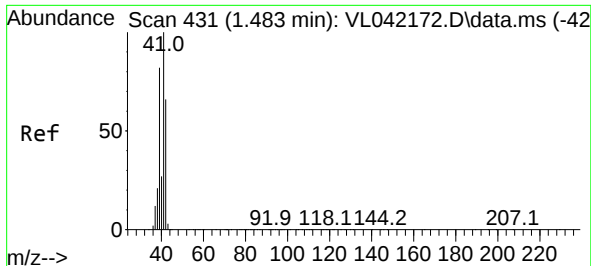
Tgt Ion: 51 Resp: 882
Ion Ratio Lower Upper
51 100
67 22.4 15.0 22.6



#8
Dichlorotetrafluoroethane
Concen: 0.057 ppbv
RT: 1.505 min Scan# 438
Delta R.T. -0.045 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

Tgt Ion: 85 Resp: 1199
Ion Ratio Lower Upper
85 100
135 0.0 52.4 78.6#

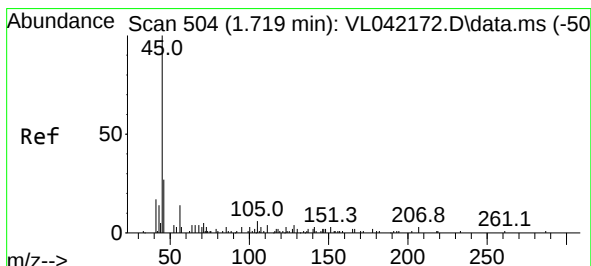
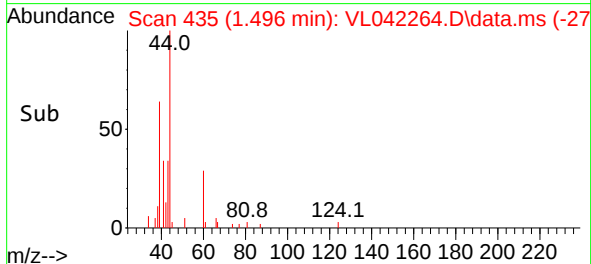
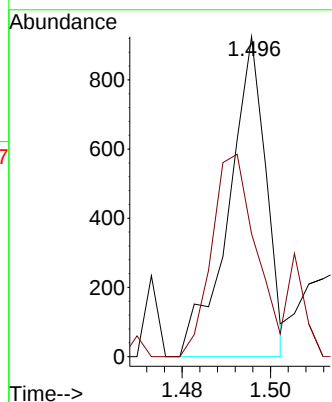
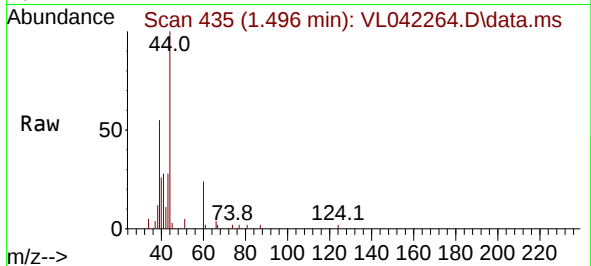




#9
Propene
Concen: 0.047 ppbv
RT: 1.496 min Scan# 417
Delta R.T. 0.013 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

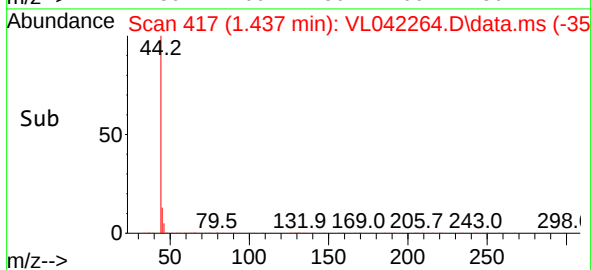
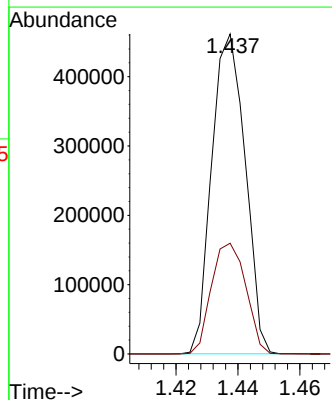
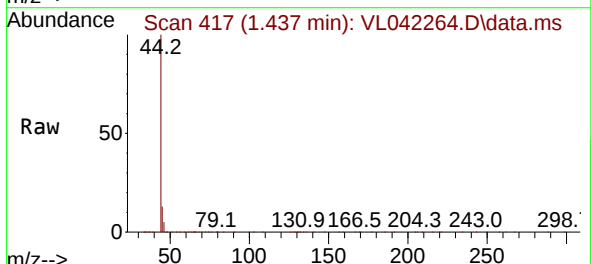
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-4-04012025

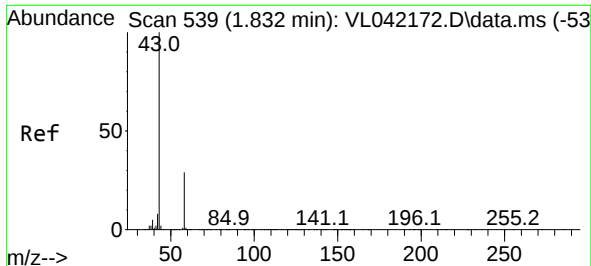
Tgt Ion: 41 Resp: 540
Ion Ratio Lower Upper
41 100
42 91.9 55.4 83.2#



#13
Ethanol
Concen: 315.458 ppbv
RT: 1.437 min Scan# 417
Delta R.T. -0.282 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

Tgt Ion: 45 Resp: 346019
Ion Ratio Lower Upper
45 100
46 35.8 20.2 80.8

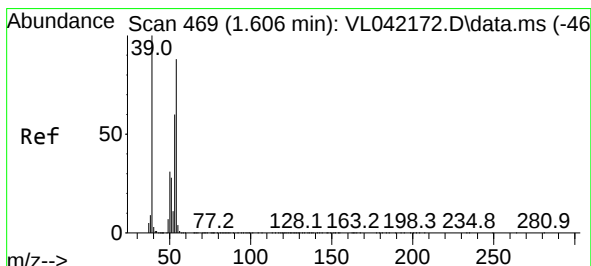
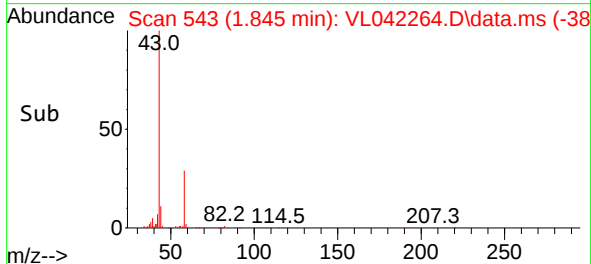
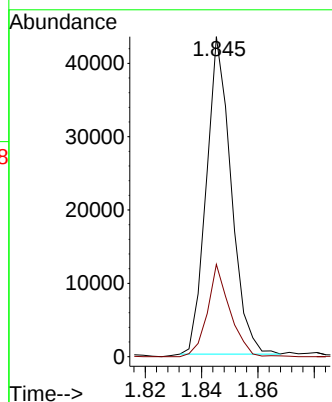
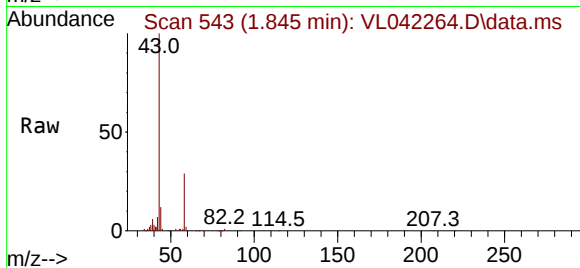




#15
Acetone
Concen: 1.129 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

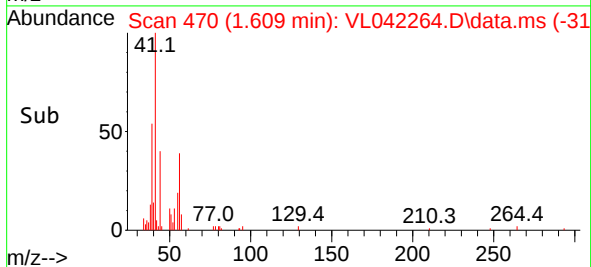
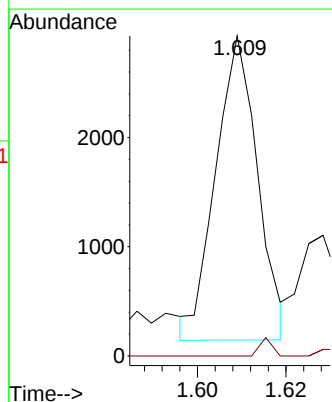
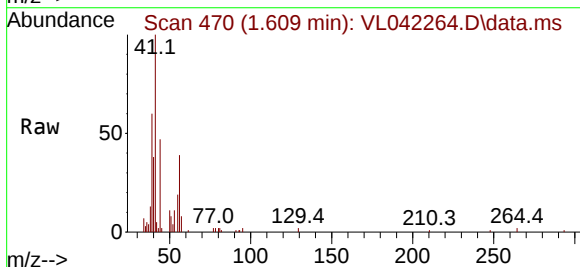
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-4-04012025

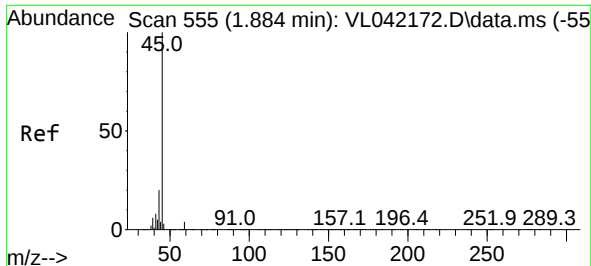
Tgt Ion: 43 Resp: 26507
Ion Ratio Lower Upper
43 100
58 26.6 23.2 34.8



#16
1,3-Butadiene
Concen: 0.159 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

Tgt Ion: 39 Resp: 1824
Ion Ratio Lower Upper
39 100
54 0.0 60.7 91.1#





#19

Isopropyl Alcohol

Concen: 26.127 ppbv

RT: 1.437 min Scan# 417

Delta R.T. -0.447 min

Lab File: VL042264.D

Acq: 08 Apr 2025 15:25

Instrument :

MSVOA_L

ClientSampleId :

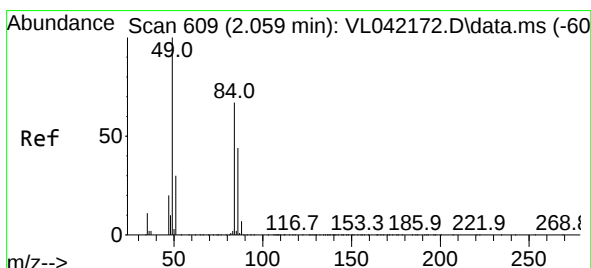
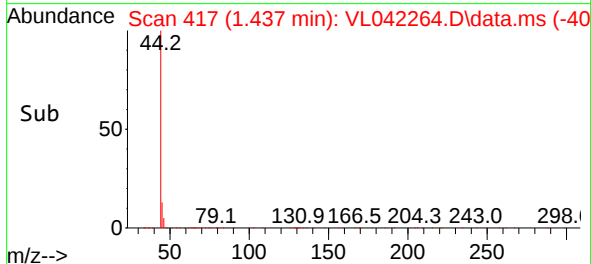
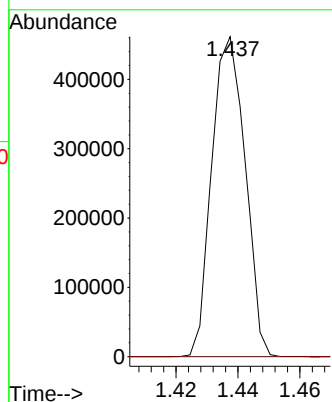
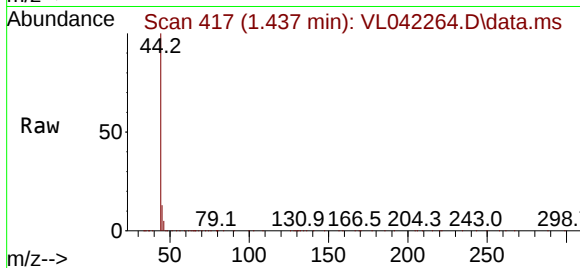
SSSG-B1-4-04012025

Tgt Ion: 45 Resp: 346019

Ion Ratio Lower Upper

45 100

58 0.1 36.9 55.3#



#20

Methylene Chloride

Concen: 0.162 ppbv

RT: 2.075 min Scan# 614

Delta R.T. 0.016 min

Lab File: VL042264.D

Acq: 08 Apr 2025 15:25

Tgt Ion: 84 Resp: 1419

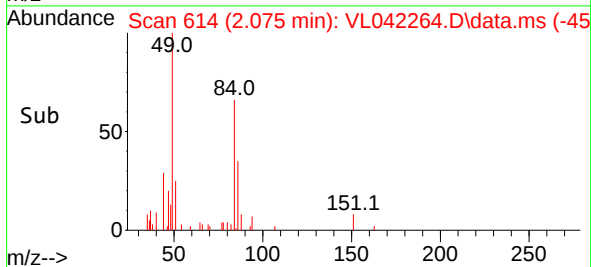
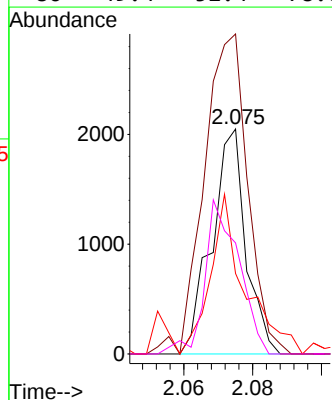
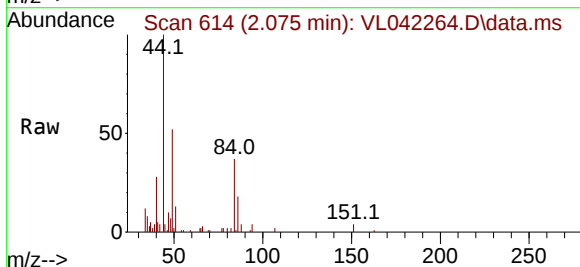
Ion Ratio Lower Upper

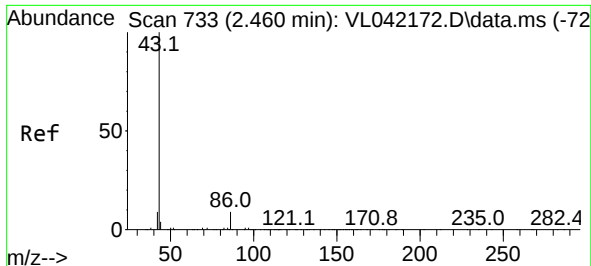
84 100

49 142.2 120.2 180.4

51 35.8 37.4 56.0#

86 49.4 52.4 78.6#

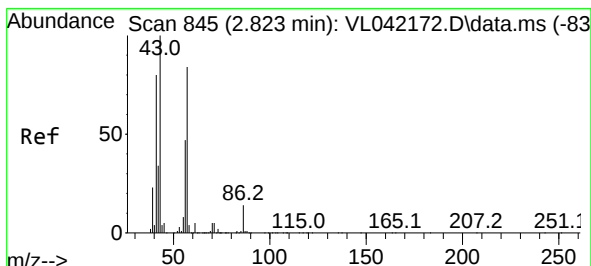
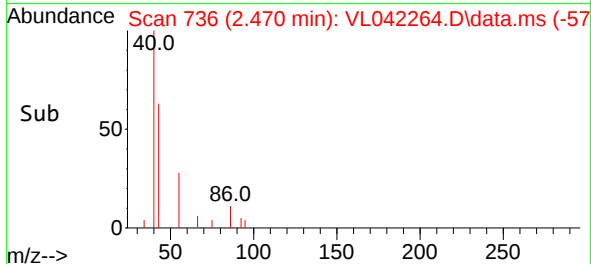
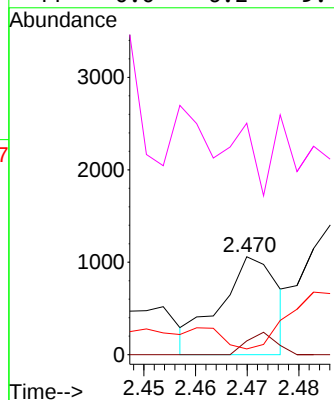
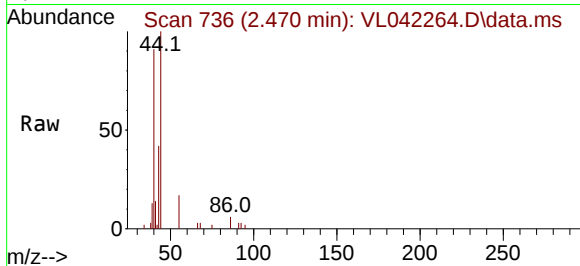




#23
 Vinyl Acetate
 Concen: 0.081 ppbv
 RT: 2.470 min Scan# 71
 Delta R.T. 0.010 min
 Lab File: VL042264.D
 Acq: 08 Apr 2025 15:25

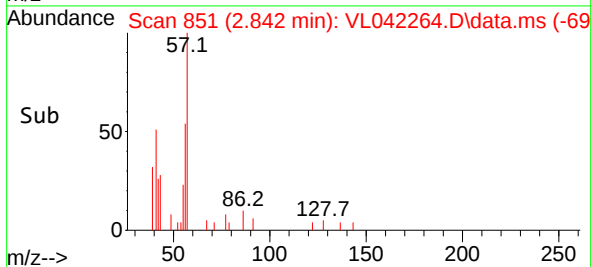
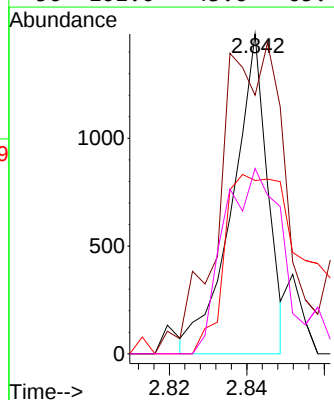
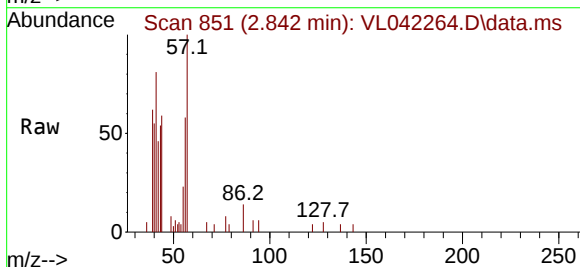
Instrument :
 MSVOA_1
 ClientSampleId :
 SSSG-B1-4-04012025

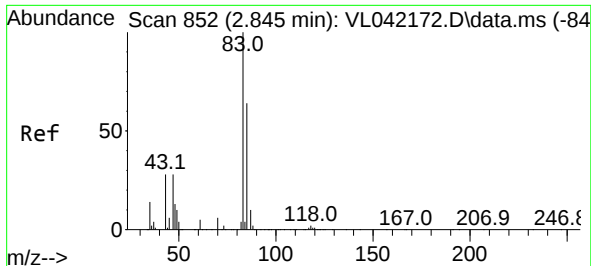
Tgt Ion: 43	Resp:	819	
Ion	Ratio	Lower	Upper
43	100		
86	19.3	5.5	8.3#
42	0.0	8.6	13.0#
44	0.0	6.2	9.4#



#26
 Hexane
 Concen: 0.040 ppbv
 RT: 2.842 min Scan# 851
 Delta R.T. 0.019 min
 Lab File: VL042264.D
 Acq: 08 Apr 2025 15:25

Tgt Ion: 57	Resp: 937
Ion Ratio	Lower Upper
57 100	
41 198.6	76.6 114.8#
43 164.4	207.8 311.8#
56 101.0	43.6 65.4#





#29

Chloroform

Concen: 0.057 ppbv

RT: 2.865 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL042264.D

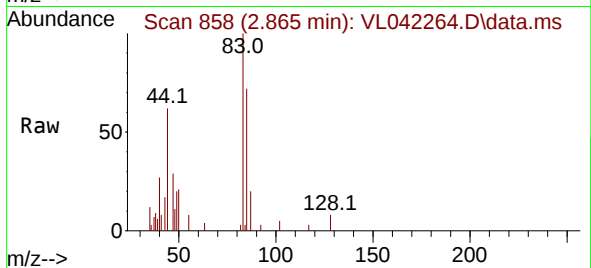
Acq: 08 Apr 2025 15:25

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B1-4-04012025

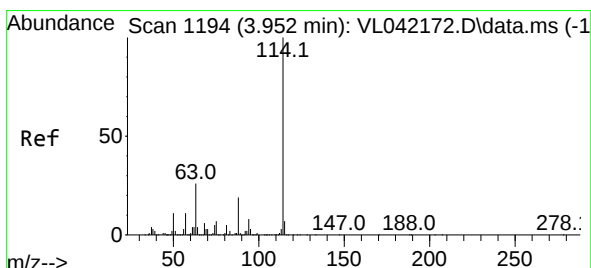
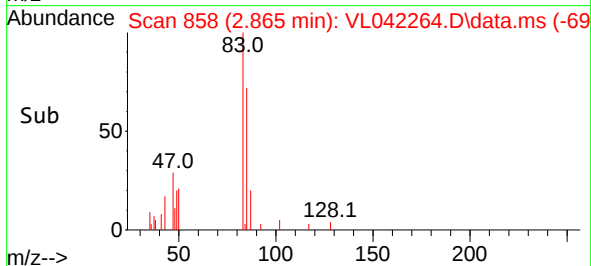
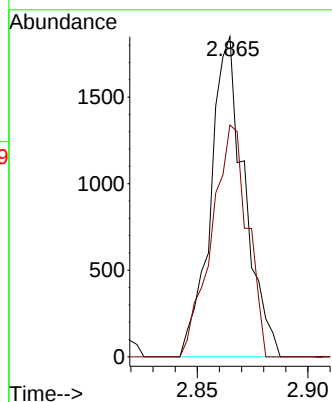


Tgt Ion: 83 Resp: 1964

Ion Ratio Lower Upper

83 100

85 72.4 51.4 77.2



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 1203

Delta R.T. 0.029 min

Lab File: VL042264.D

Acq: 08 Apr 2025 15:25

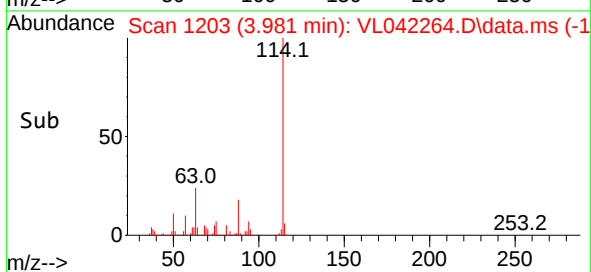
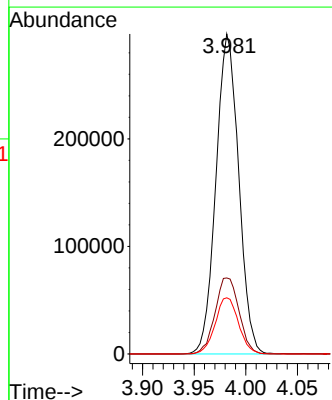
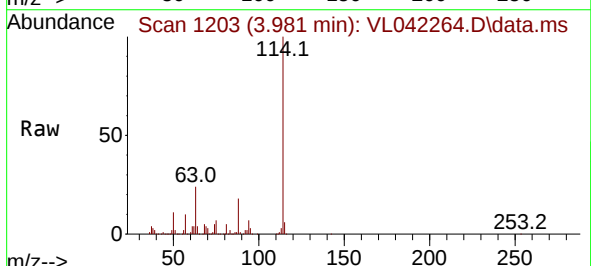
Tgt Ion: 114 Resp: 455581

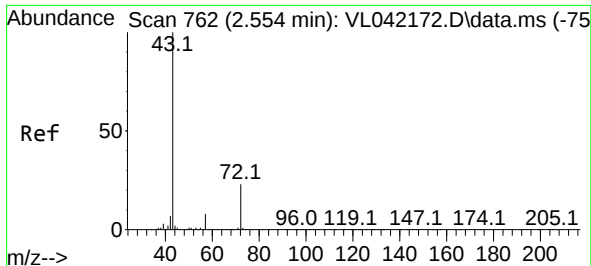
Ion Ratio Lower Upper

114 100

63 25.1 20.7 31.1

88 18.0 15.0 22.4

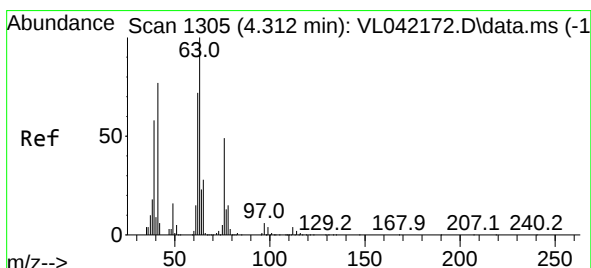
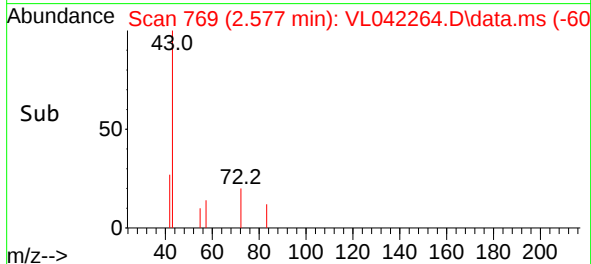
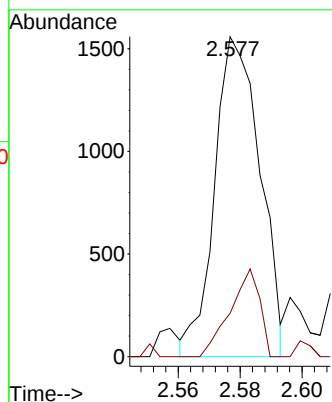
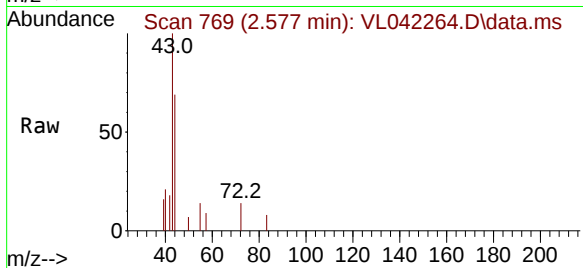




#34
2-Butanone
Concen: 0.048 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.023 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

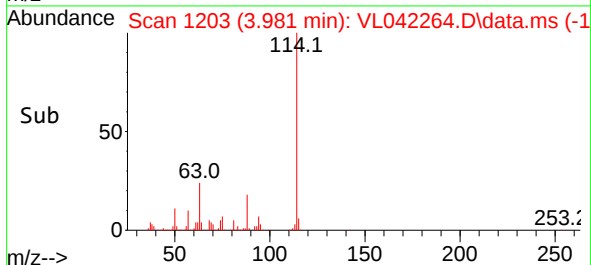
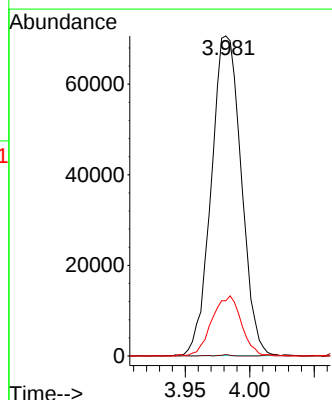
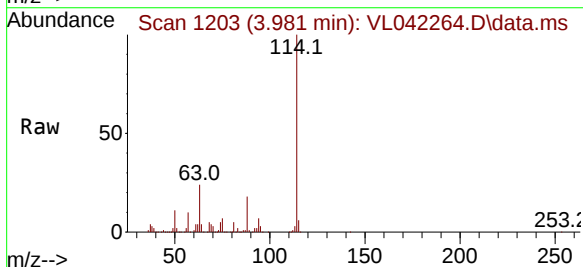
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-4-04012025

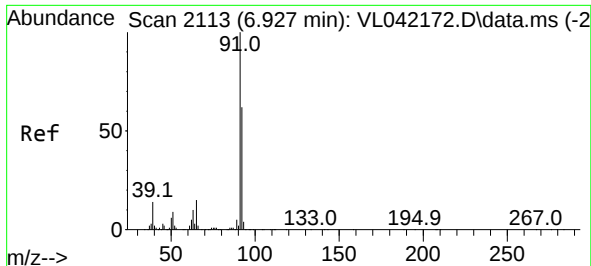
Tgt Ion: 43 Resp: 1584
Ion Ratio Lower Upper
43 100
72 19.5 18.2 27.2



#39
1,2-Dichloropropane
Concen: 6.911 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. -0.330 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

Tgt Ion: 63 Resp: 113677
Ion Ratio Lower Upper
63 100
41 0.5 61.7 92.5#
62 17.2 57.6 86.4#

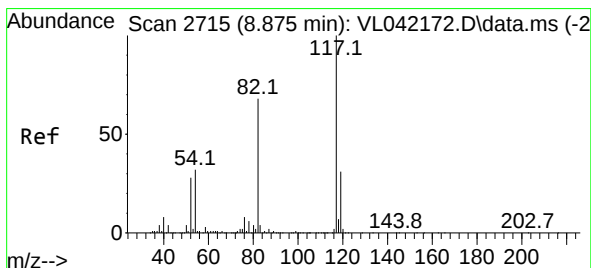
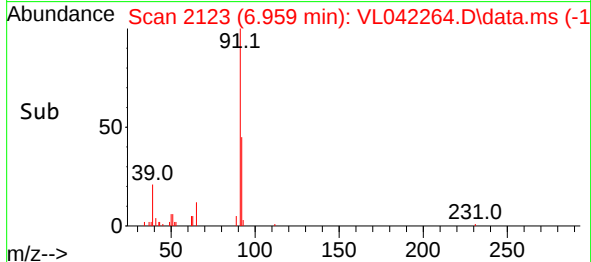
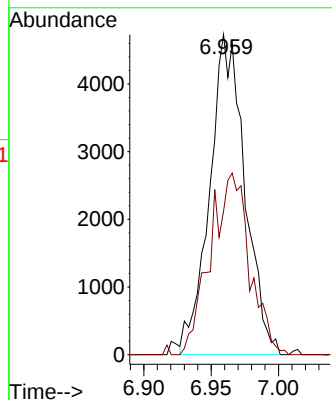
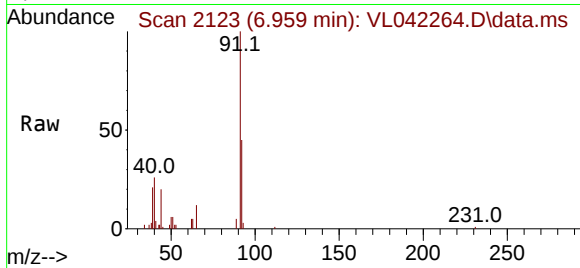




#53
Toluene
Concen: 0.161 ppbv
RT: 6.959 min Scan# 2113
Delta R.T. 0.032 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

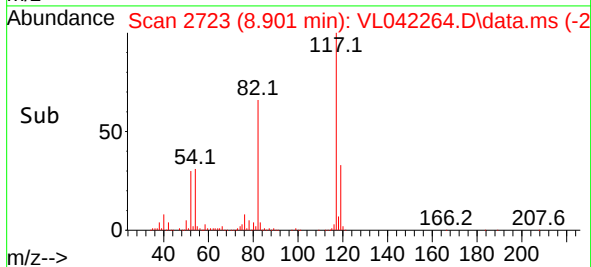
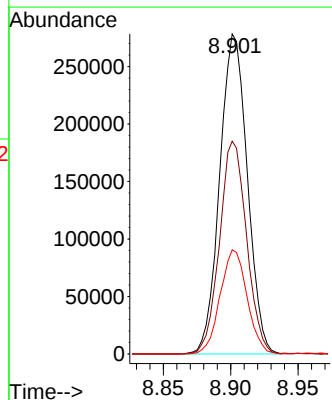
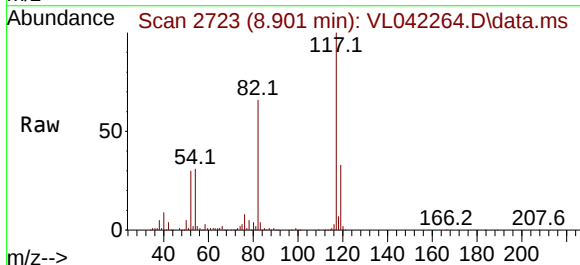
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-4-04012025

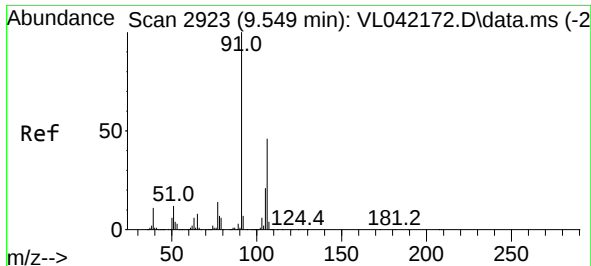
Tgt Ion: 91 Resp: 8616
Ion Ratio Lower Upper
91 100
92 63.8 48.4 72.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.026 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

Tgt Ion: 117 Resp: 396189
Ion Ratio Lower Upper
117 100
82 65.3 55.8 83.6
119 32.1 25.5 38.3

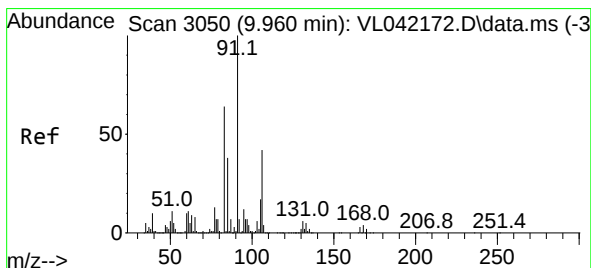
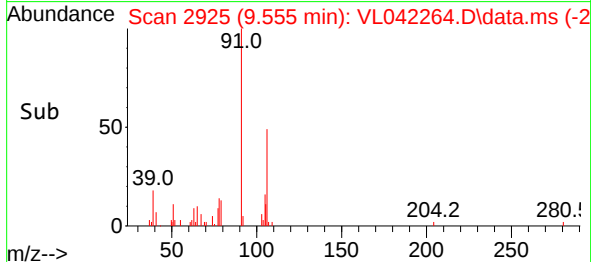
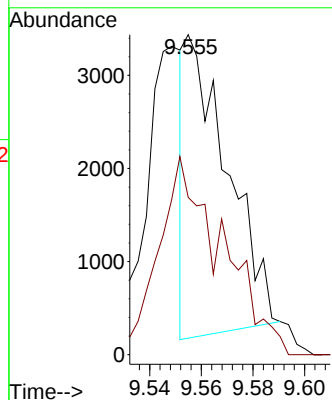
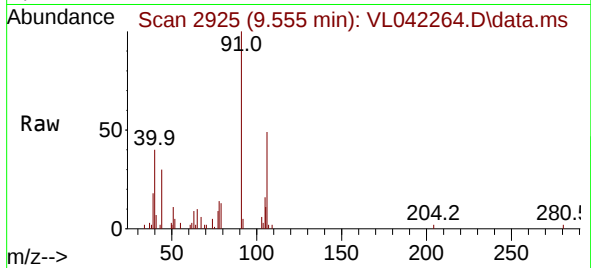




#59
m/p-Xylene
Concen: 0.065 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.006 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

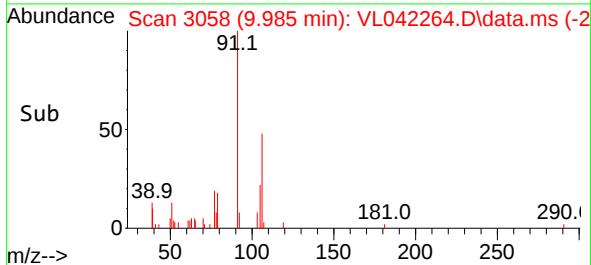
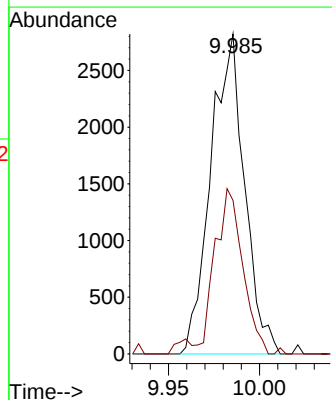
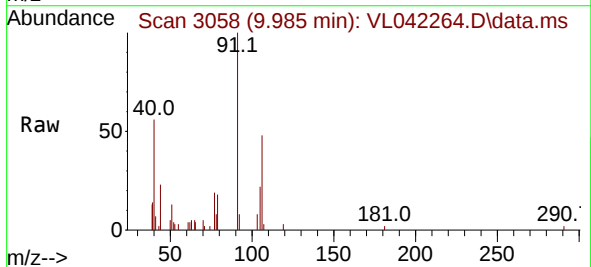
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-4-04012025

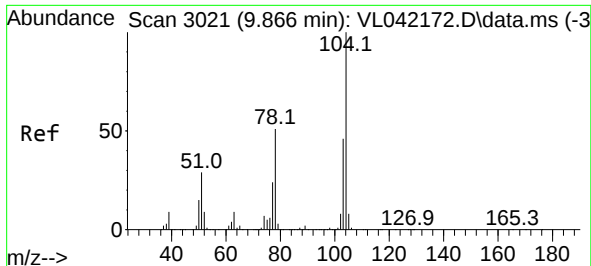
Tgt Ion: 91 Resp: 3666
Ion Ratio Lower Upper
91 100
106 100.3 36.4 54.6#



#60
o-Xylene
Concen: 0.065 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.026 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

Tgt Ion: 91 Resp: 3635
Ion Ratio Lower Upper
91 100
106 45.1 20.8 62.5

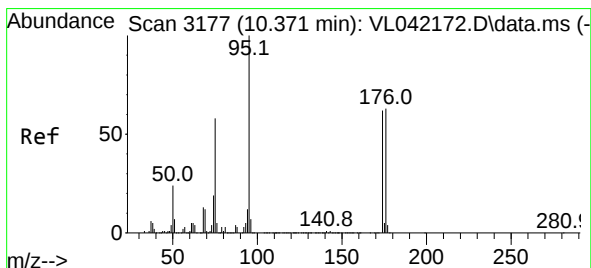
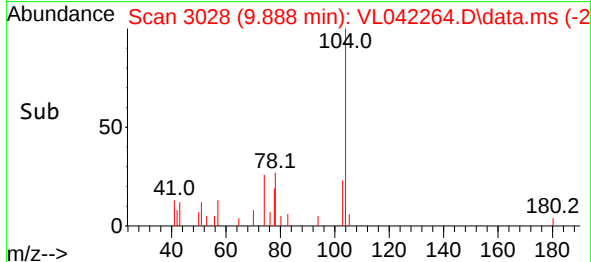
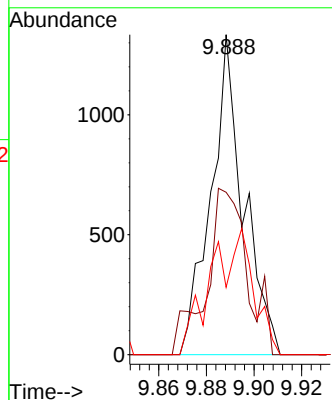
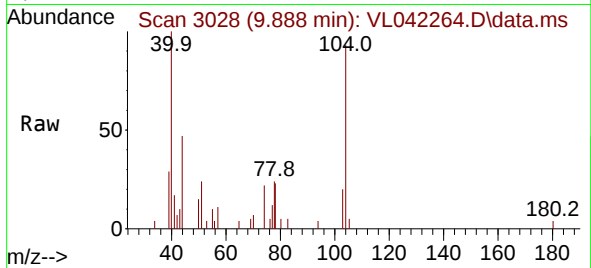




#61
Styrene
Concen: 0.046 ppbv
RT: 9.888 min Scan# 3021
Delta R.T. 0.023 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

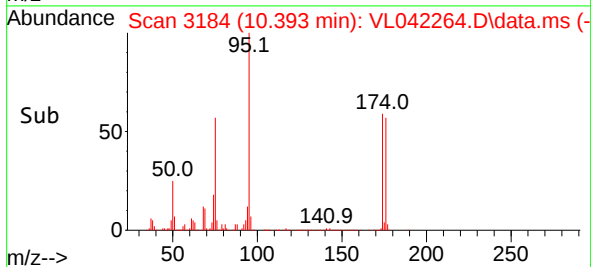
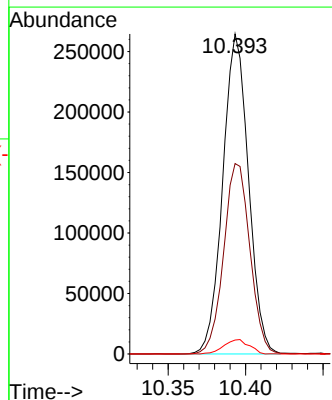
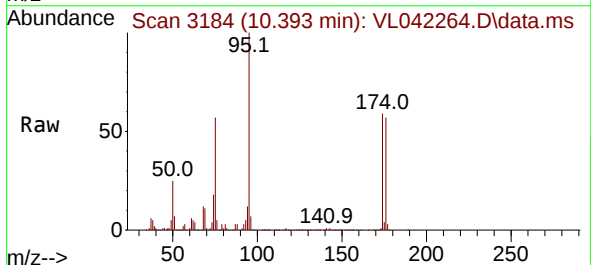
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-4-04012025

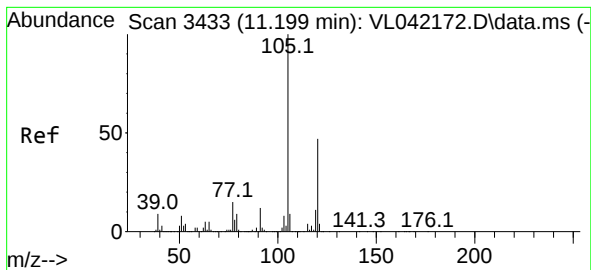
Tgt Ion:104 Resp: 1270
Ion Ratio Lower Upper
104 100
78 64.8 41.8 62.6#
103 51.2 37.0 55.4



#68
1-Bromo-4-Fluorobenzene
Concen: 9.372 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042264.D
Acq: 08 Apr 2025 15:25

Tgt Ion: 95 Resp: 304927
Ion Ratio Lower Upper
95 100
174 60.8 50.6 76.0
175 4.5 3.8 5.6





#73
 1,3,5-Trimethylbenzene
 Concen: 0.031 ppbv
 RT: 11.222 min Scan# 34
 Delta R.T. 0.023 min
 Lab File: VL042264.D
 Acq: 08 Apr 2025 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B1-4-04012025

Tgt Ion:105 Resp: 1903
 Ion Ratio Lower Upper
 105 100
 120 33.9 37.4 56.0#

