

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042239.D
 Acq On : 07 Apr 2025 19:17
 Operator : SY/MD
 Sample : Q1725-05DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B14-3-04012025DL

Quant Time: Apr 08 01:34:26 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)

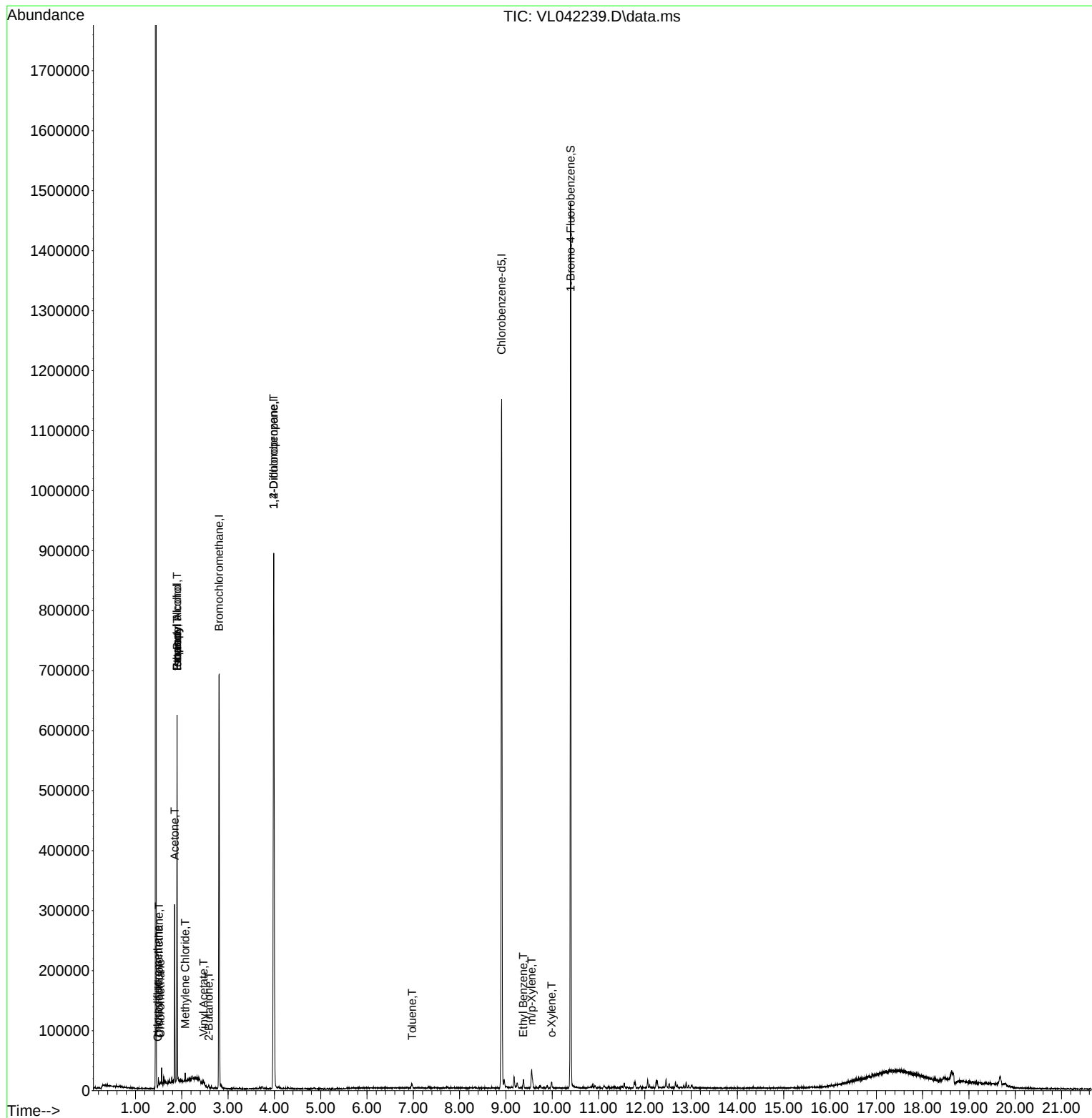
Internal Standards						
1) Bromochloromethane	2.803	49	192644	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	502203	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.908	117	443302	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.397	95	352454	9.682	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.506	85	1633	0.057	ppbv #	84
3) Chlorodifluoromethane	1.483	51	1352	0.047	ppbv #	86
4) Chloromethane	1.541	50	719	0.062	ppbv #	86
9) Propene	1.897	41	23661	1.777	ppbv	93
13) Ethanol	1.897	45	243073	193.062	ppbv #	31
15) Acetone	1.845	43	124436	4.619	ppbv	94
17) tert-Butyl alcohol	1.897	59	8436	0.251	ppbv	99
19) Isopropyl Alcohol	1.897	45	243073	15.990	ppbv #	32
20) Methylene Chloride	2.072	84	1777	0.177	ppbv #	59
23) Vinyl Acetate	2.470	43	2605	0.223	ppbv #	55
34) 2-Butanone	2.583	43	3350	0.092	ppbv	99
39) 1,2-Dichloropropane	3.985	63	132919	7.331	ppbv #	23
53) Toluene	6.972	91	2409	0.041	ppbv #	20
58) Ethyl Benzene	9.374	91	6567	0.083	ppbv #	82
59) m/p-Xylene	9.555	91	18879	0.300	ppbv	99
60) o-Xylene	9.986	91	4467	0.071	ppbv	98

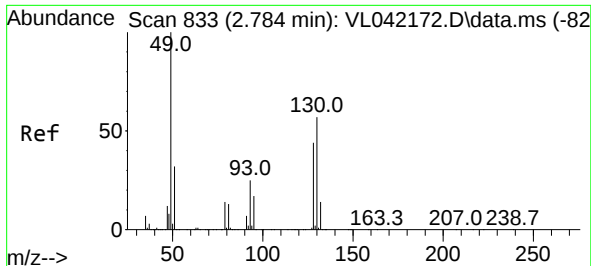
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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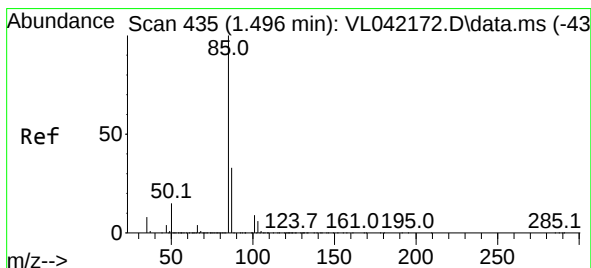
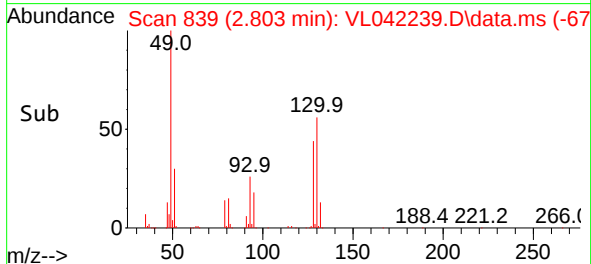
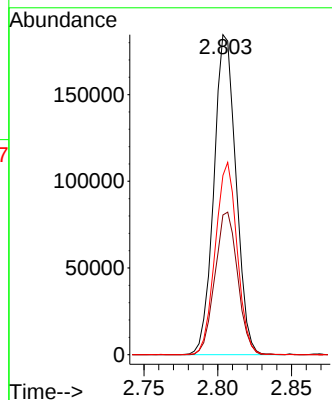
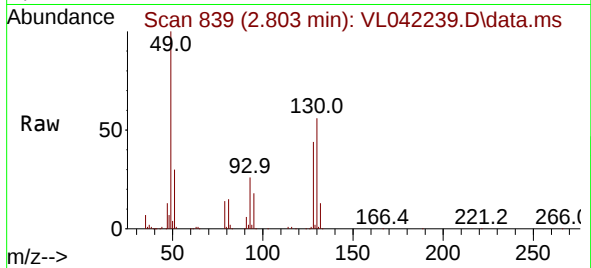




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.803 min Scan# 81
 Delta R.T. 0.019 min
 Lab File: VL042239.D
 Acq: 07 Apr 2025 19:17

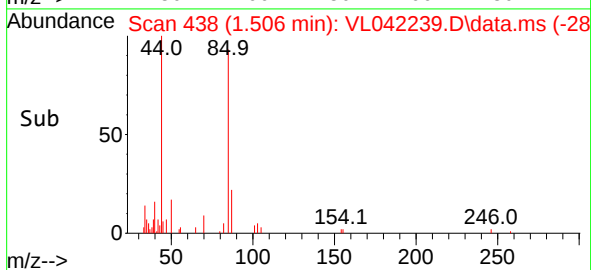
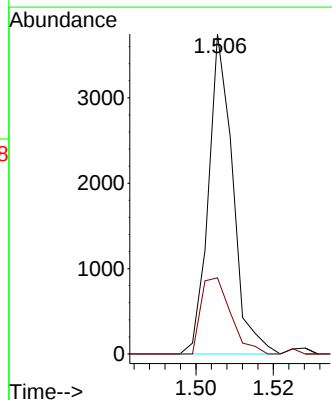
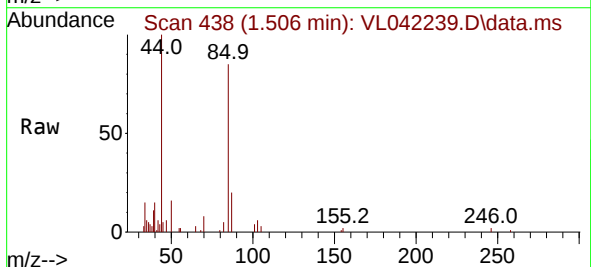
Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B14-3-04012025DL

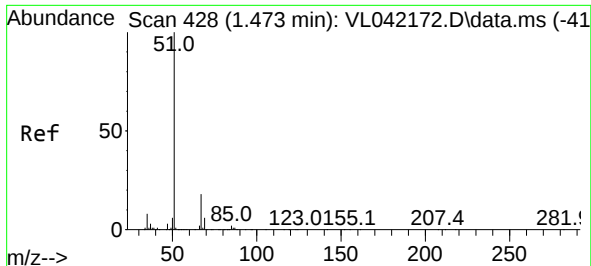
Tgt Ion: 49 Resp: 192644
 Ion Ratio Lower Upper
 49 100
 128 45.8 22.9 68.5
 130 59.4 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 0.057 ppbv
 RT: 1.506 min Scan# 438
 Delta R.T. 0.010 min
 Lab File: VL042239.D
 Acq: 07 Apr 2025 19:17

Tgt Ion: 85 Resp: 1633
 Ion Ratio Lower Upper
 85 100
 87 23.8 26.1 39.1#

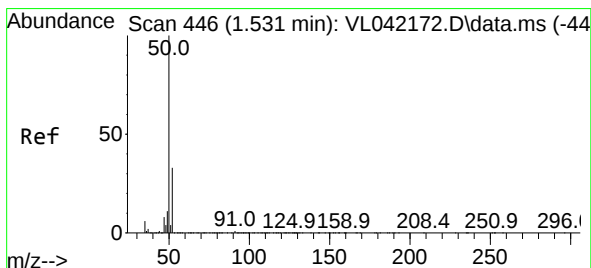
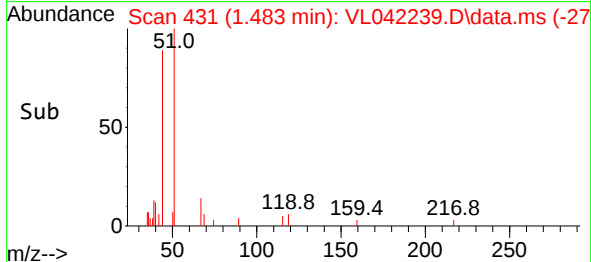
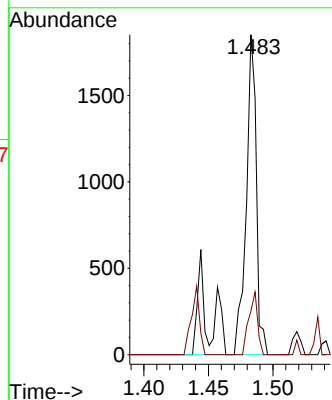
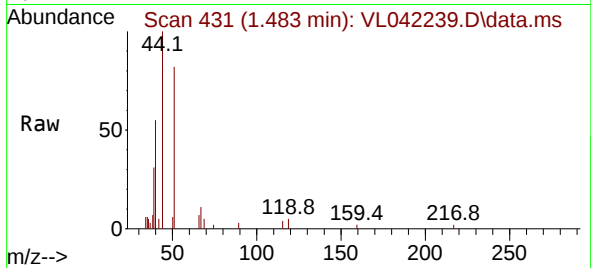




#3
Chlorodifluoromethane
Concen: 0.047 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

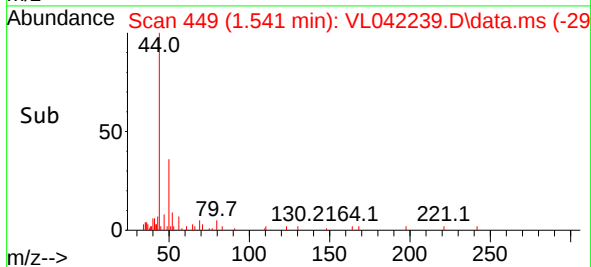
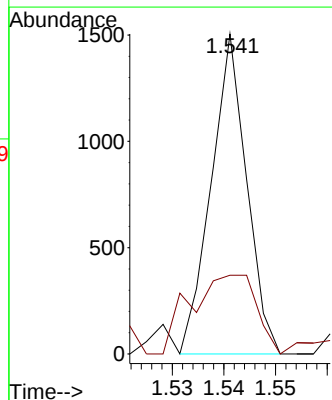
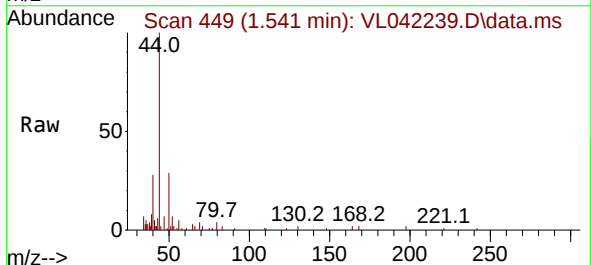
Instrument :
MSVOA_L
ClientSampleId :
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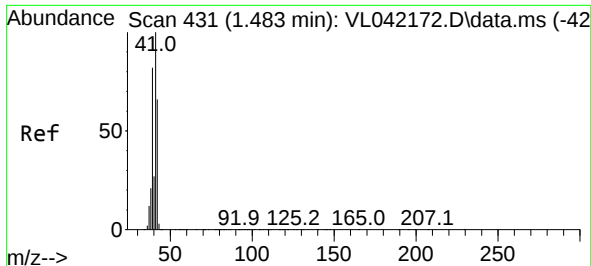
Tgt Ion: 51 Resp: 1352
Ion Ratio Lower Upper
51 100
67 12.6 15.0 22.6#



#4
Chloromethane
Concen: 0.062 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.010 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 50 Resp: 719
Ion Ratio Lower Upper
50 100
52 24.6 26.1 39.1#

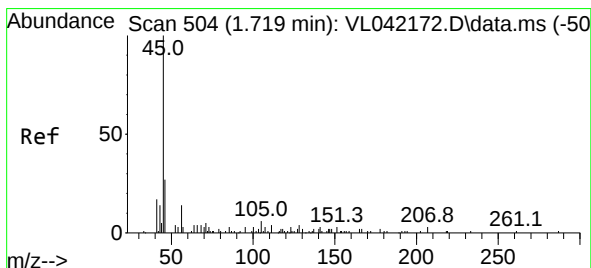
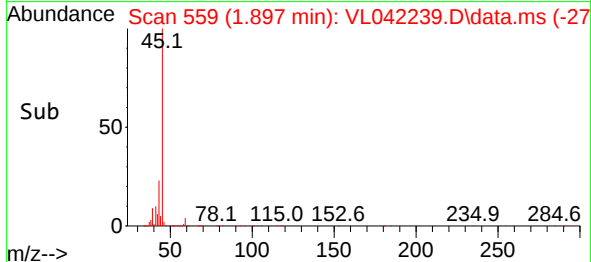
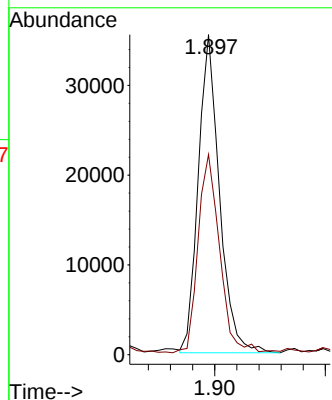
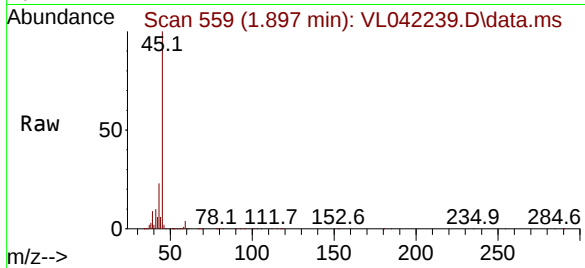




#9
Propene
Concen: 1.777 ppbv
RT: 1.897 min Scan# 51
Delta R.T. 0.414 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

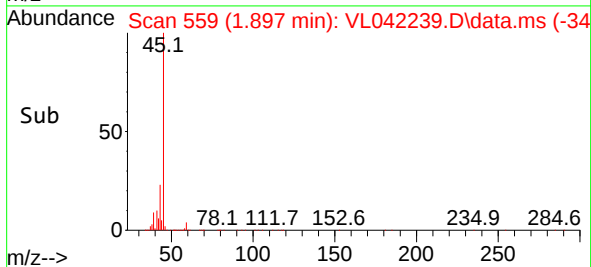
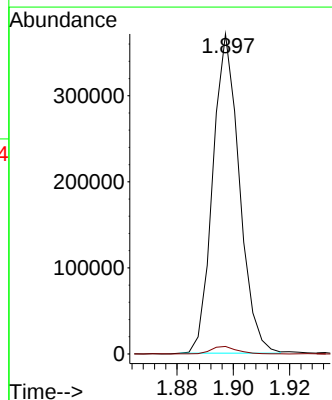
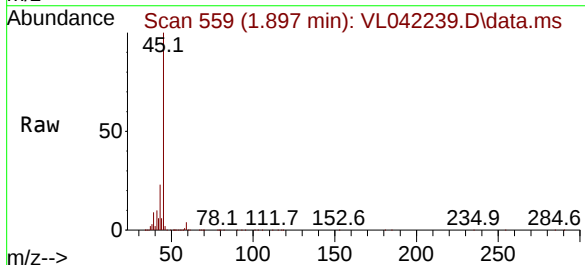
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

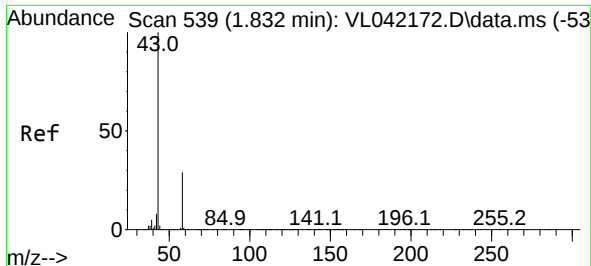
Tgt Ion: 41 Resp: 23661
Ion Ratio Lower Upper
41 100
42 63.4 55.4 83.2



#13
Ethanol
Concen: 193.062 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.178 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 45 Resp: 243073
Ion Ratio Lower Upper
45 100
46 2.6 20.2 80.8#





#15

Acetone

Concen: 4.619 ppbv

RT: 1.845 min Scan# 54

Delta R.T. 0.013 min

Lab File: VL042239.D

Acq: 07 Apr 2025 19:17

Instrument :

MSVOA_L

ClientSampleId :

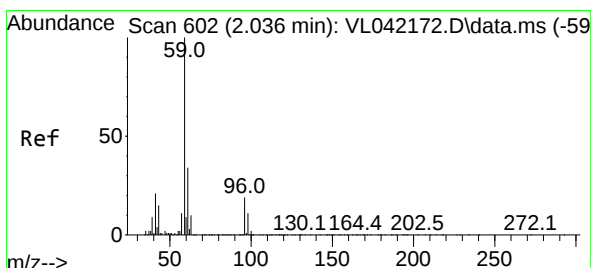
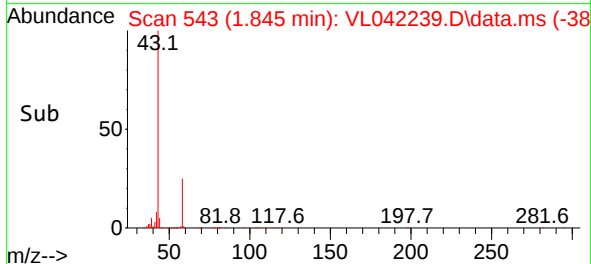
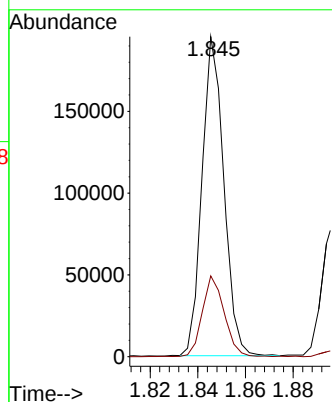
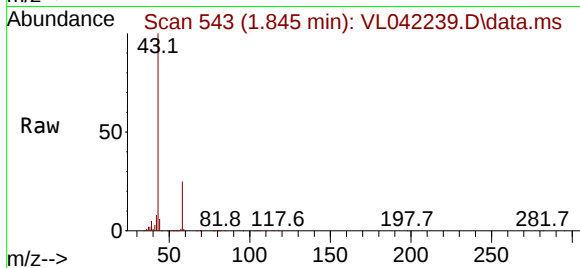
SSSG-B14-3-04012025DL

Tgt Ion: 43 Resp: 124436

Ion Ratio Lower Upper

43 100

58 25.7 23.2 34.8



#17

tert-Butyl alcohol

Concen: 0.251 ppbv

RT: 1.897 min Scan# 559

Delta R.T. -0.139 min

Lab File: VL042239.D

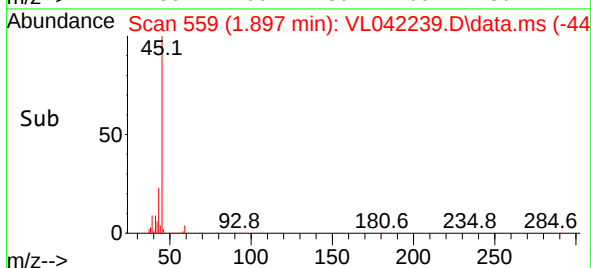
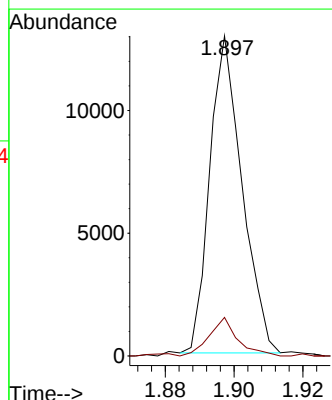
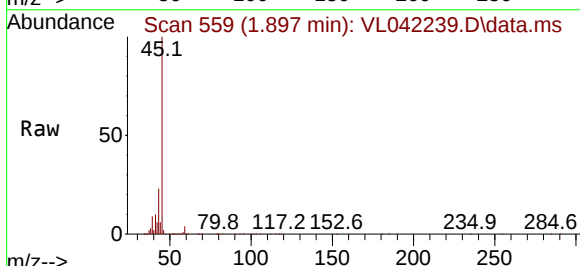
Acq: 07 Apr 2025 19:17

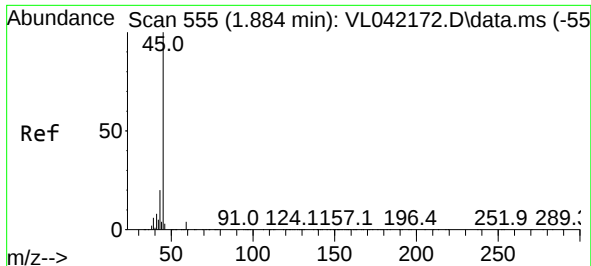
Tgt Ion: 59 Resp: 8436

Ion Ratio Lower Upper

59 100

57 11.4 8.9 13.3

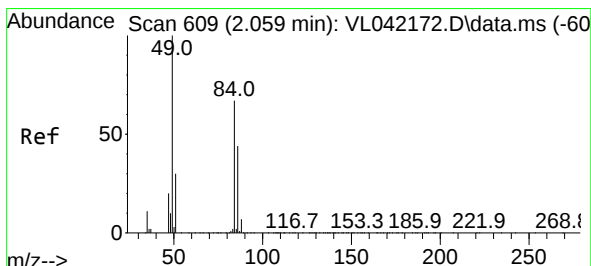
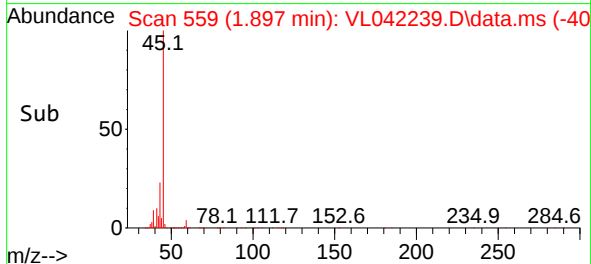
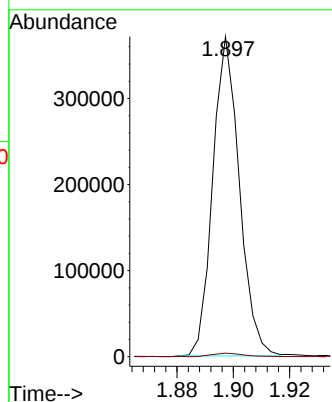
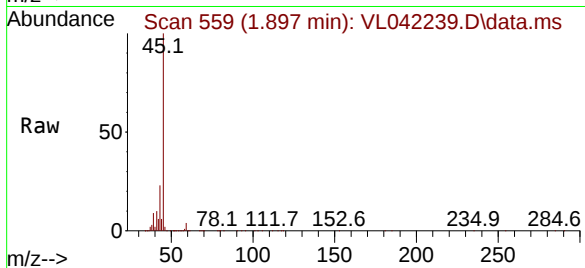




#19
Isopropyl Alcohol
Concen: 15.990 ppbv
RT: 1.897 min Scan# 511
Delta R.T. 0.013 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

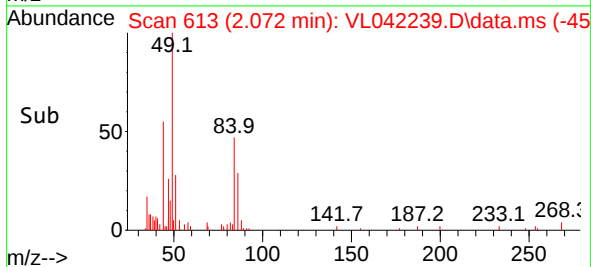
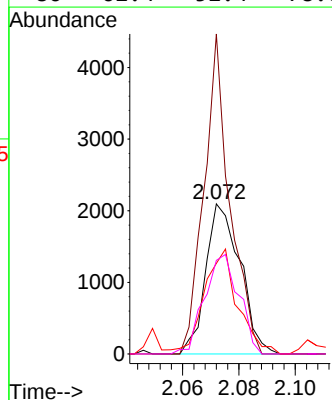
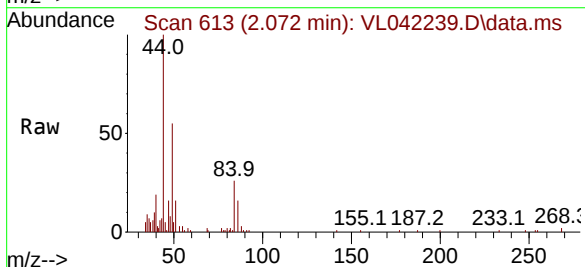
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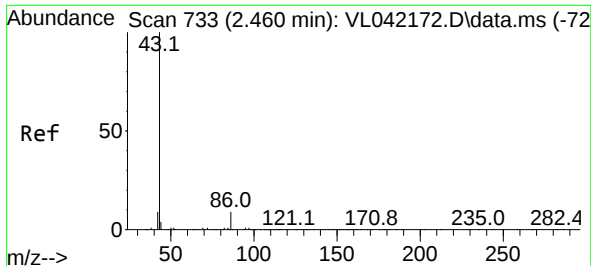
Tgt Ion: 45 Resp: 243073
Ion Ratio Lower Upper
45 100
58 1.3 36.9 55.3#



#20
Methylene Chloride
Concen: 0.177 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 84 Resp: 1777
Ion Ratio Lower Upper
84 100
49 231.4 120.2 180.4#
51 60.3 37.4 56.0#
86 62.4 52.4 78.6

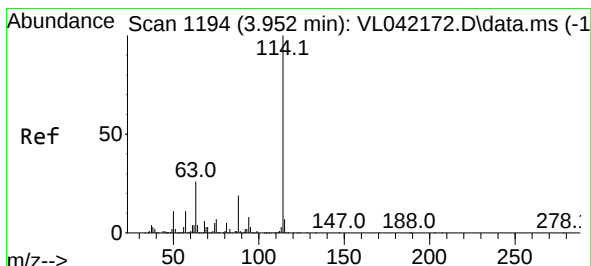
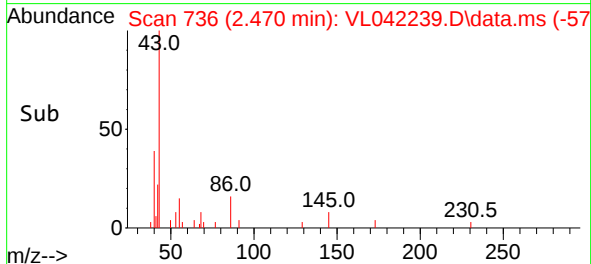
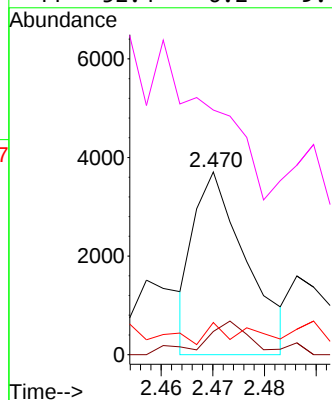
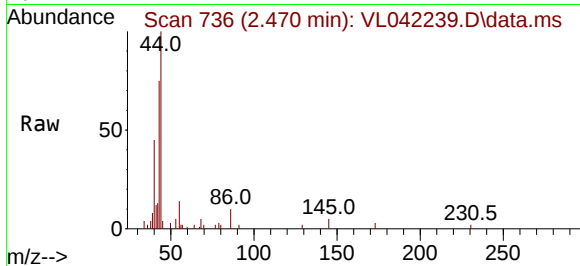




#23
 Vinyl Acetate
 Concen: 0.223 ppbv
 RT: 2.470 min Scan# 71
 Delta R.T. 0.010 min
 Lab File: VL042239.D
 Acq: 07 Apr 2025 19:17

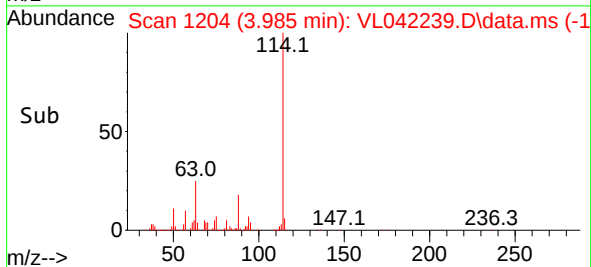
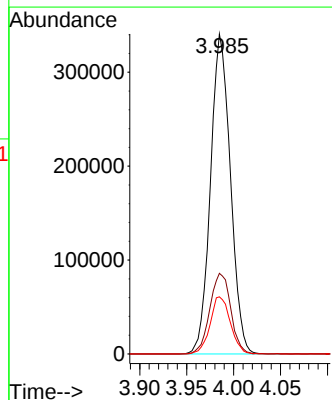
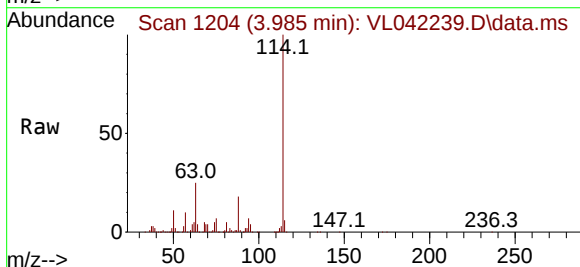
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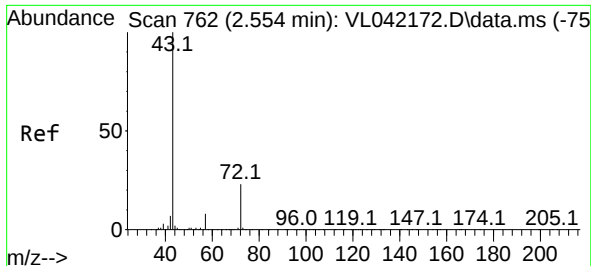
Tgt Ion:	43	Resp:	2605
Ion	Ratio	Lower	Upper
43	100		
86	13.2	5.5	8.3#
42	12.2	8.6	13.0
44	52.4	6.2	9.4#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.985 min Scan# 1204
 Delta R.T. 0.032 min
 Lab File: VL042239.D
 Acq: 07 Apr 2025 19:17

Tgt Ion:	114	Resp:	502203
Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.7	31.1
88	18.2	15.0	22.4

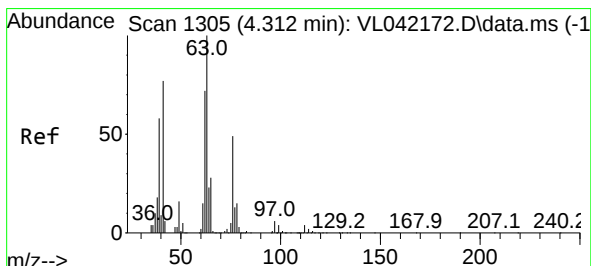
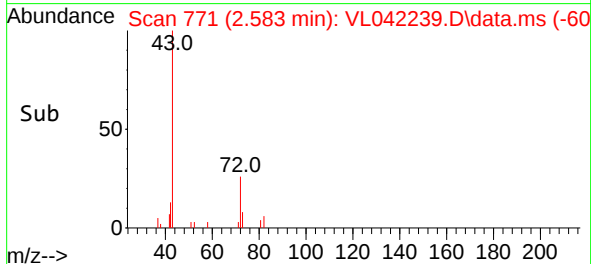
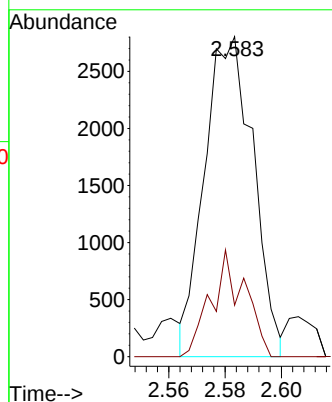
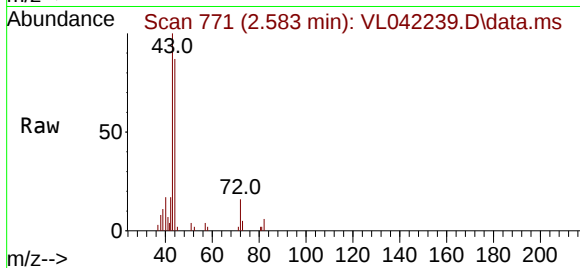




#34
2-Butanone
Concen: 0.092 ppbv
RT: 2.583 min Scan# 71
Delta R.T. 0.029 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

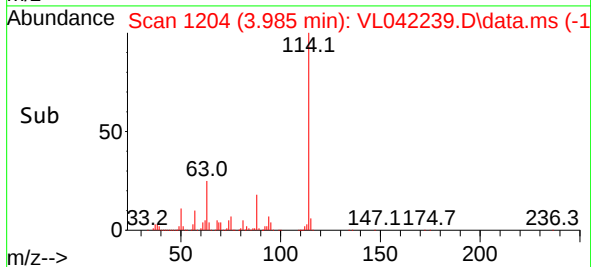
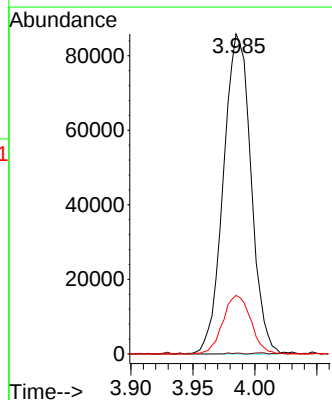
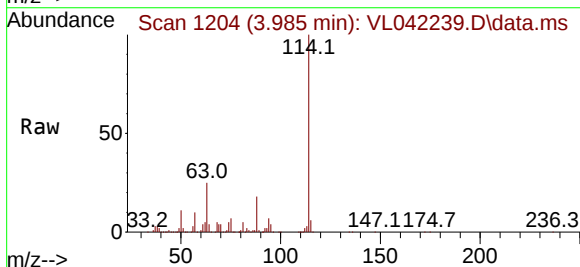
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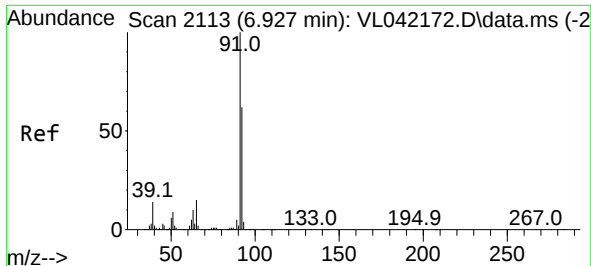
Tgt Ion: 43 Resp: 3350
Ion Ratio Lower Upper
43 100
72 23.2 18.2 27.2



#39
1,2-Dichloropropane
Concen: 7.331 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. -0.327 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 63 Resp: 132919
Ion Ratio Lower Upper
63 100
41 0.0 61.7 92.5#
62 18.3 57.6 86.4#

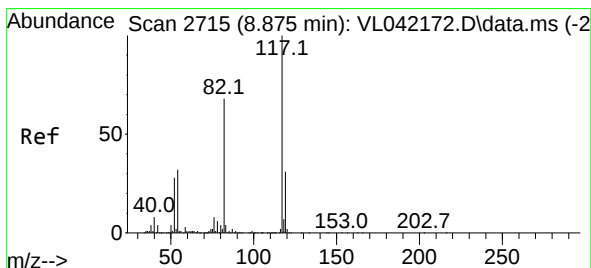
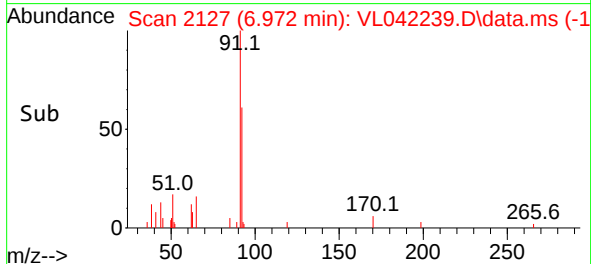
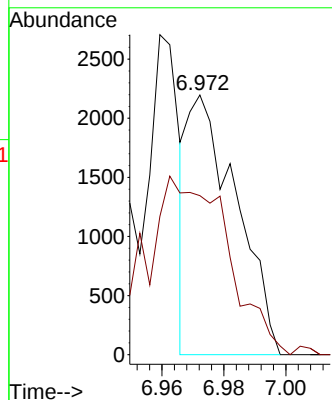
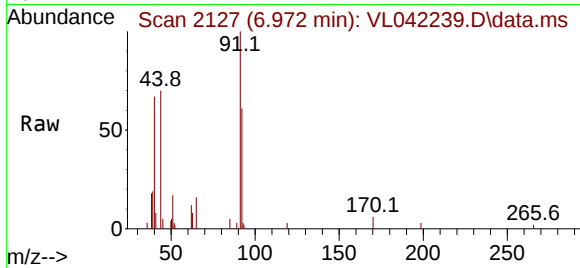




#53
Toluene
Concen: 0.041 ppbv
RT: 6.972 min Scan# 2113
Delta R.T. 0.045 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

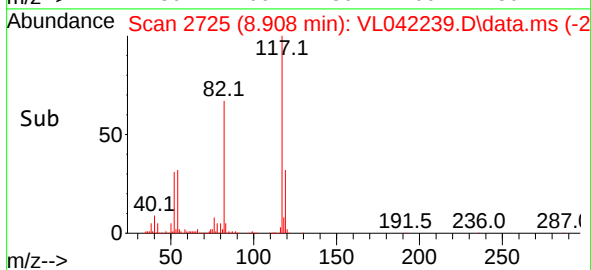
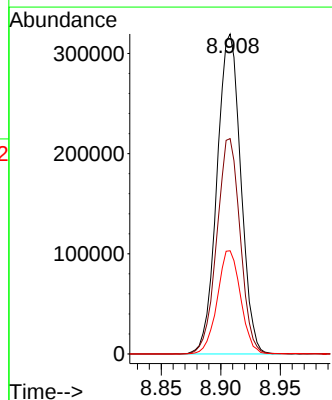
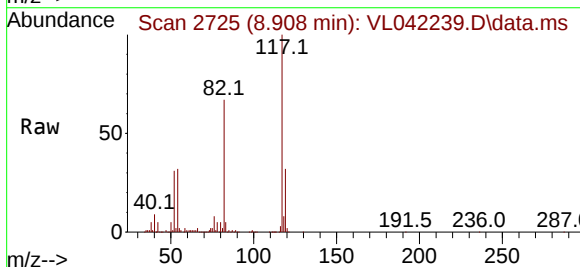
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

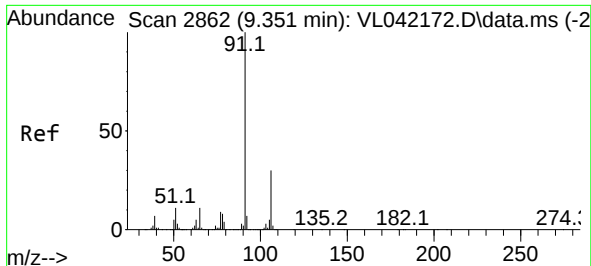
Tgt Ion: 91 Resp: 2409
Ion Ratio Lower Upper
91 100
92 0.0 48.4 72.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 2725
Delta R.T. 0.032 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 117 Resp: 443302
Ion Ratio Lower Upper
117 100
82 66.1 55.8 83.6
119 31.8 25.5 38.3

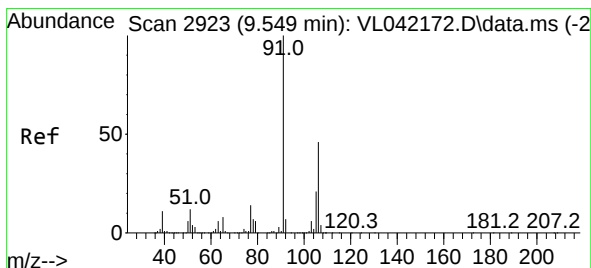
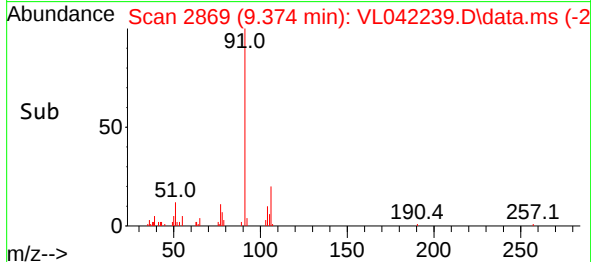
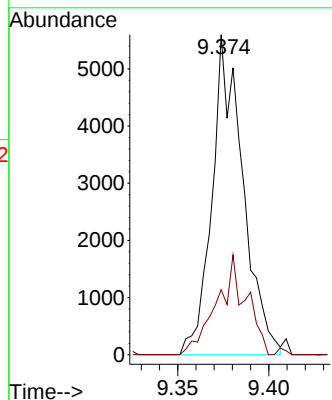
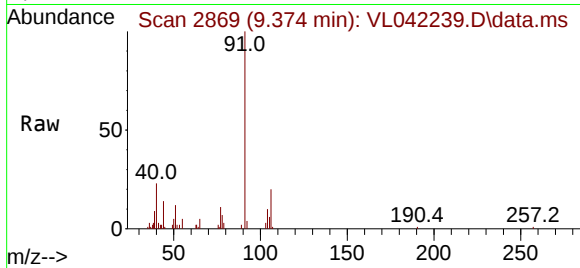




#58
Ethyl Benzene
Concen: 0.083 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.023 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

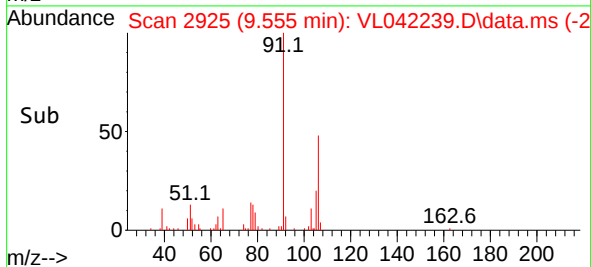
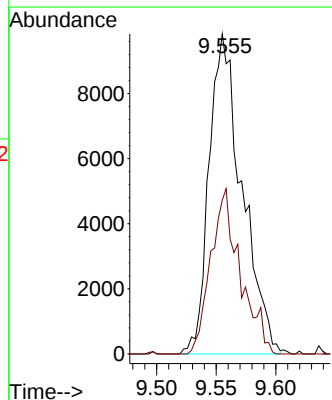
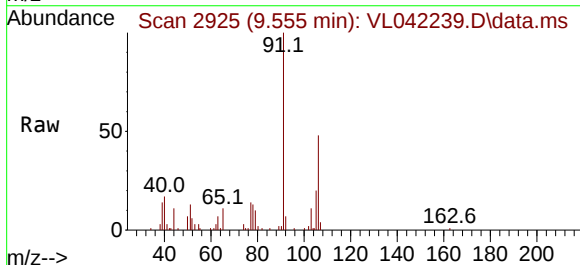
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

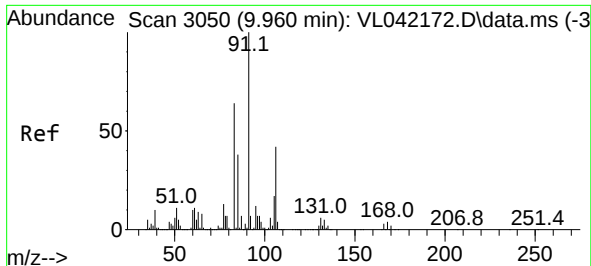
Tgt Ion: 91 Resp: 6567
Ion Ratio Lower Upper
91 100
106 20.3 24.2 36.2#



#59
m/p-Xylene
Concen: 0.300 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.007 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 91 Resp: 18879
Ion Ratio Lower Upper
91 100
106 46.4 36.4 54.6

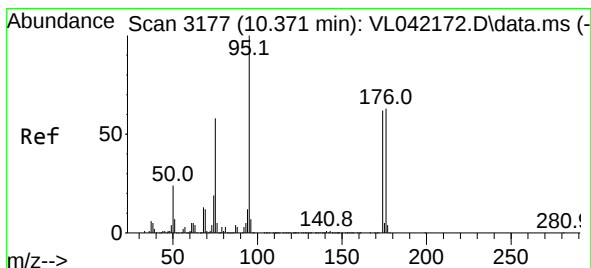
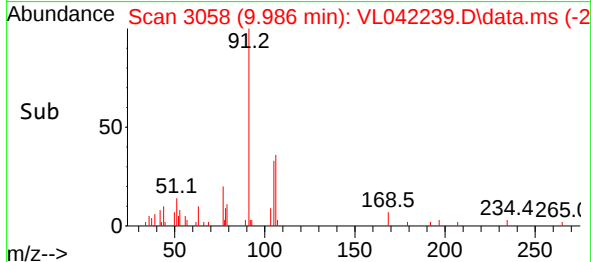
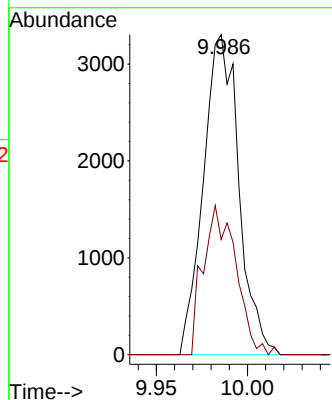
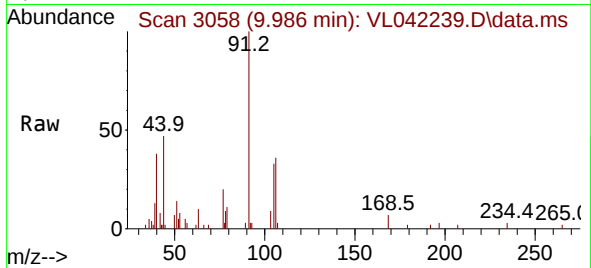




#60
o-Xylene
Concen: 0.071 ppbv
RT: 9.986 min Scan# 3058
Delta R.T. 0.026 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Tgt Ion: 91 Resp: 4467
Ion Ratio Lower Upper
91 100
106 43.2 20.8 62.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.682 ppbv
RT: 10.397 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 95 Resp: 352454
Ion Ratio Lower Upper
95 100
174 60.1 50.6 76.0
175 4.6 3.8 5.6

