

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040869.D
 Acq On : 15 Nov 2023 15:08
 Operator : SY/MD
 Sample : 05277-01DUP 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-2DUP

Quant Time: Nov 21 03:22:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 20 03:50:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1058431	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2717865	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.439	117	2439493	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.747	95	1926560	10.087	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%

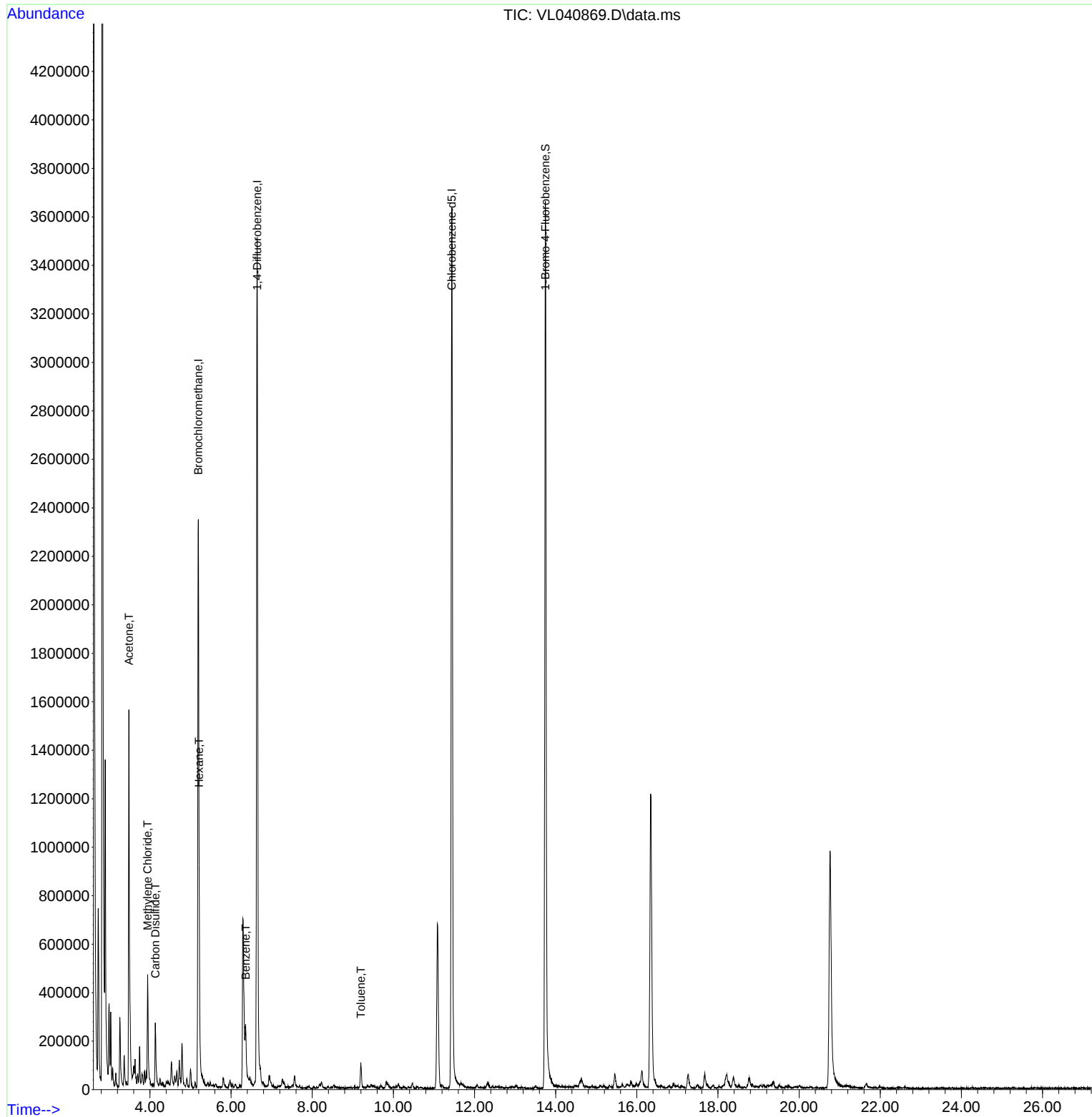
Target Compounds						Qvalue
15) Acetone	3.481	43	1562388	13.860	ppbv	92
20) Methylene Chloride	3.944	84	136229	2.928	ppbv	95
26) Hexane	5.211	57	204247	1.977	ppbv #	40
27) Carbon Disulfide	4.134	76	289307	2.209	ppbv	98
36) Benzene	6.359	78	139473	0.632	ppbv	94
53) Toluene	9.198	91	73741	0.304	ppbv	99

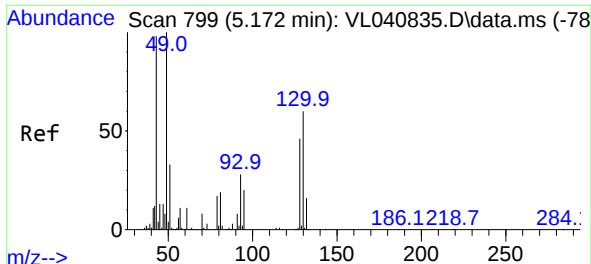
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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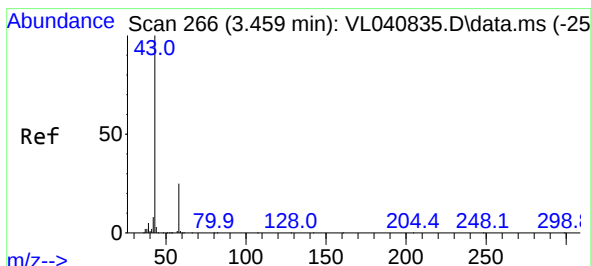
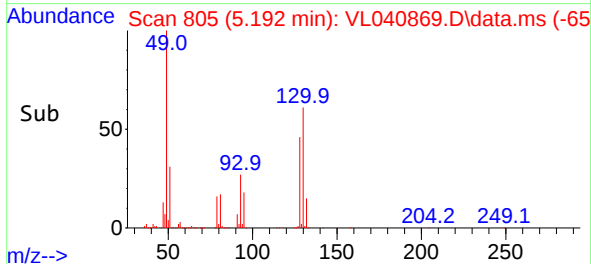
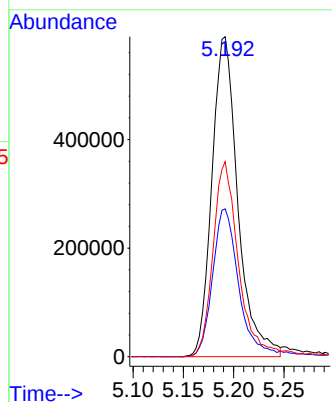
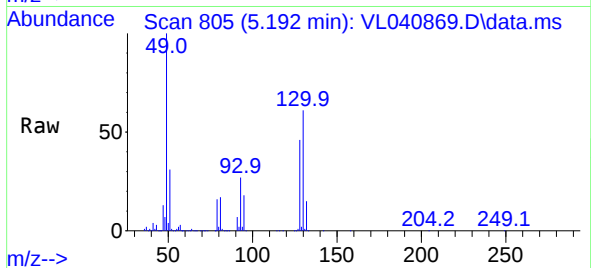




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.019 min
Lab File: VL040869.D
Acq: 15 Nov 2023 15:08

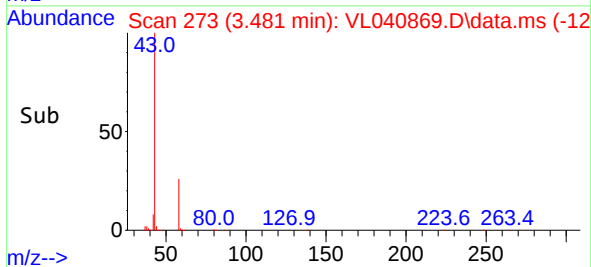
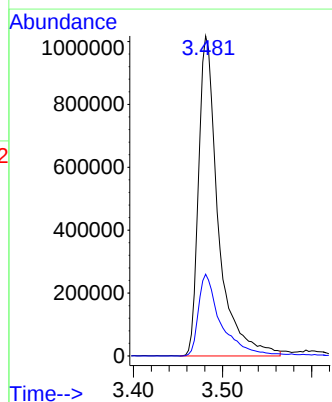
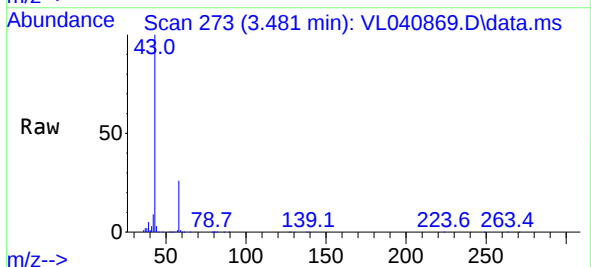
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-2DUP

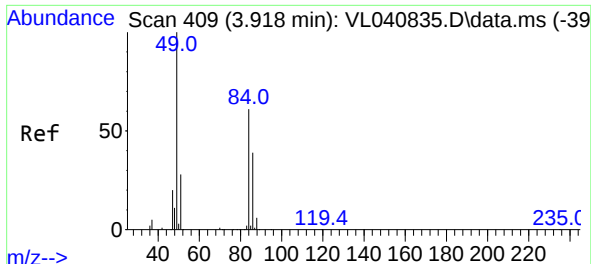
Tgt Ion: 49 Resp: 1058431
Ion Ratio Lower Upper
49 100
128 47.9 23.8 71.2
130 61.8 30.9 92.8



#15
Acetone
Concen: 13.860 ppbv
RT: 3.481 min Scan# 273
Delta R.T. -0.020 min
Lab File: VL040869.D
Acq: 15 Nov 2023 15:08

Tgt Ion: 43 Resp: 1562388
Ion Ratio Lower Upper
43 100
58 30.3 20.9 31.3



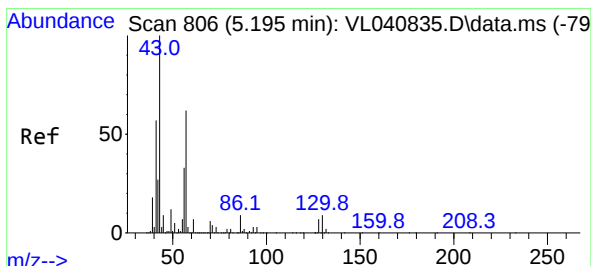
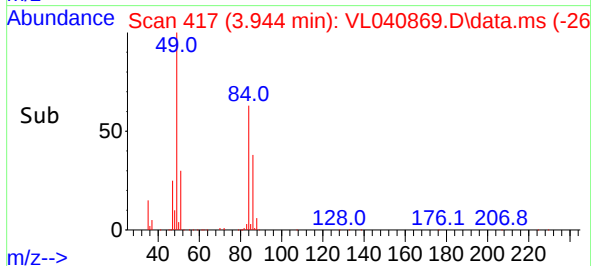
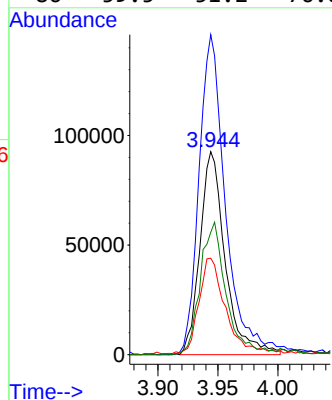
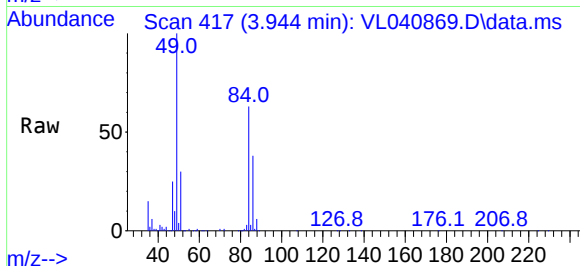


#20
Methylene Chloride
Concen: 2.928 ppbv
RT: 3.944 min Scan# 417
Delta R.T. -0.020 min
Lab File: VL040869.D
Acq: 15 Nov 2023 15:08

Instrument :
MSVOA_L
ClientSampleId :
NT-SS-2DUP

Tgt Ion: 84 Resp: 136229

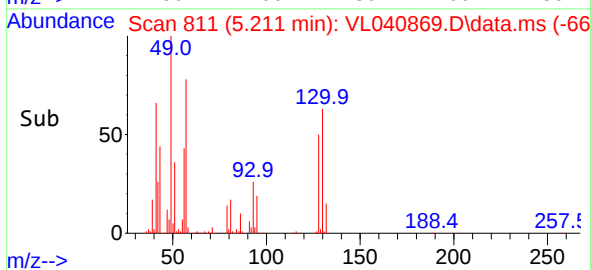
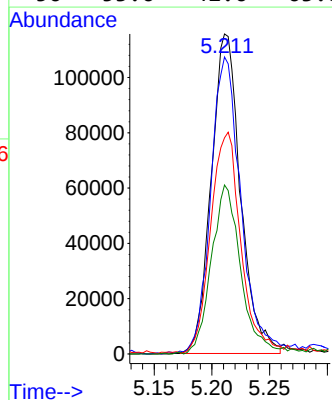
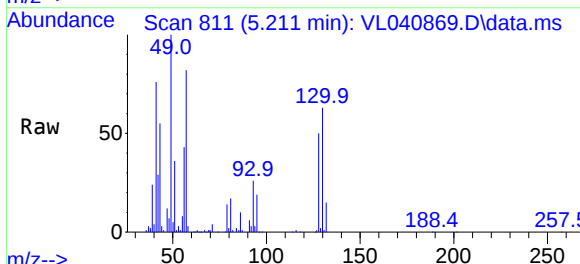
Ion	Ratio	Lower	Upper
84	100		
49	155.8	131.0	196.4
51	46.6	36.9	55.3
86	59.5	51.2	76.8

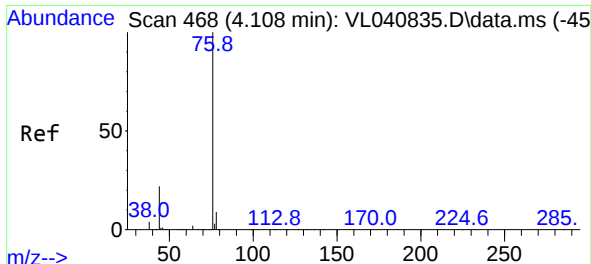


#26
Hexane
Concen: 1.977 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.020 min
Lab File: VL040869.D
Acq: 15 Nov 2023 15:08

Tgt Ion: 57 Resp: 204247

Ion	Ratio	Lower	Upper
57	100		
41	99.3	75.4	113.0
43	72.4	185.9	278.9#
56	53.6	42.6	63.8

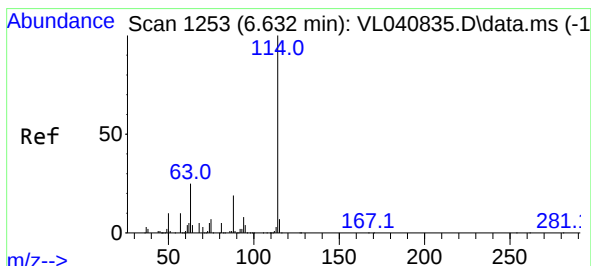
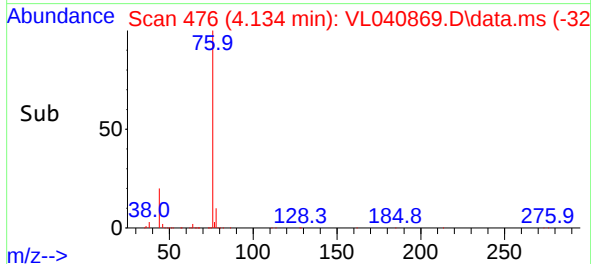
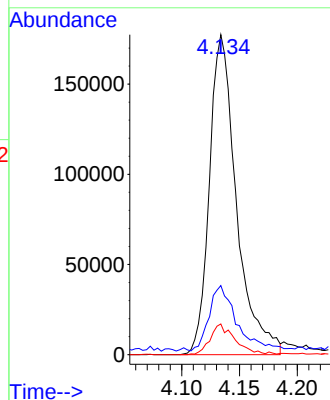
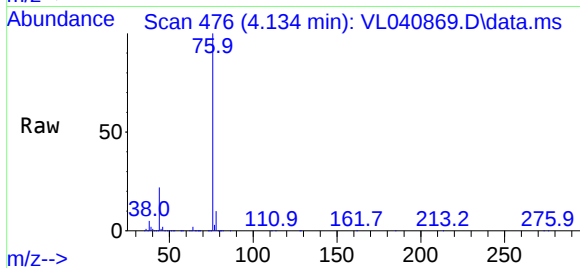




#27
Carbon Disulfide
Concen: 2.209 ppbv
RT: 4.134 min Scan# 41
Delta R.T. -0.020 min
Lab File: VL040869.D
Acq: 15 Nov 2023 15:08

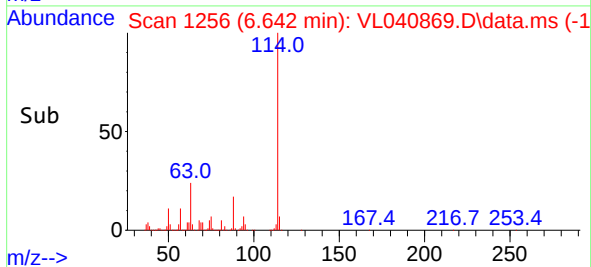
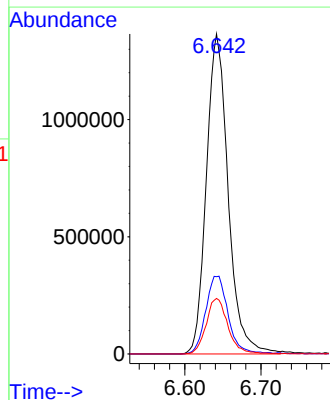
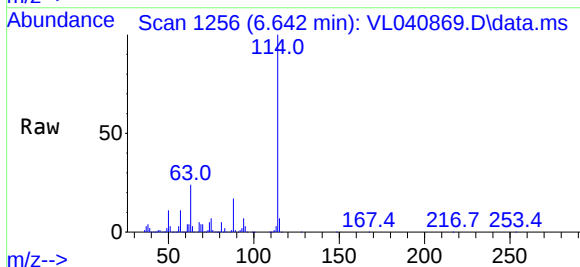
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-2DUP

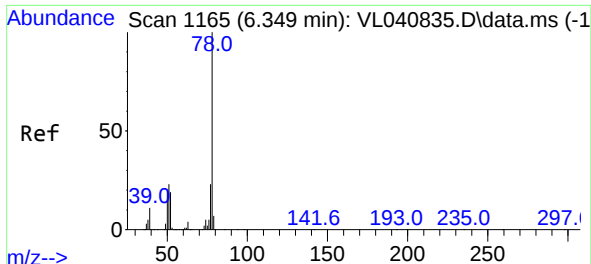
Tgt Ion: 76 Resp: 289307
Ion Ratio Lower Upper
76 100
44 22.2 16.7 25.1
78 9.5 7.6 11.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.023 min
Lab File: VL040869.D
Acq: 15 Nov 2023 15:08

Tgt Ion: 114 Resp: 2717865
Ion Ratio Lower Upper
114 100
63 25.2 20.9 31.3
88 17.5 14.3 21.5

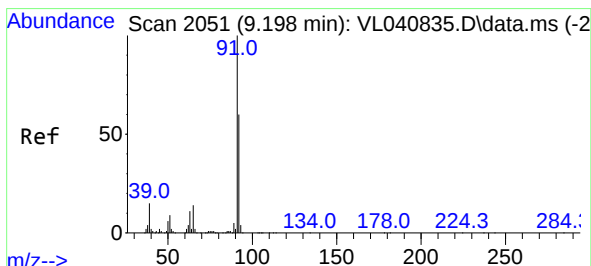
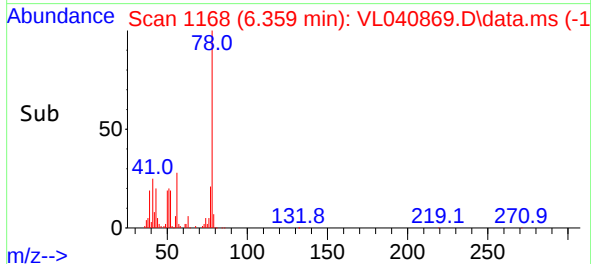
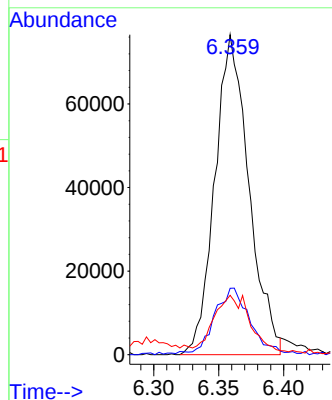
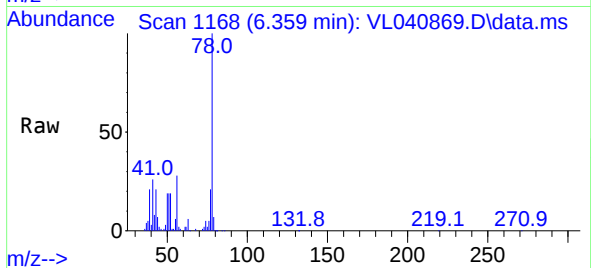




#36
Benzene
Concen: 0.632 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.026 min
Lab File: VL040869.D
Acq: 15 Nov 2023 15:08

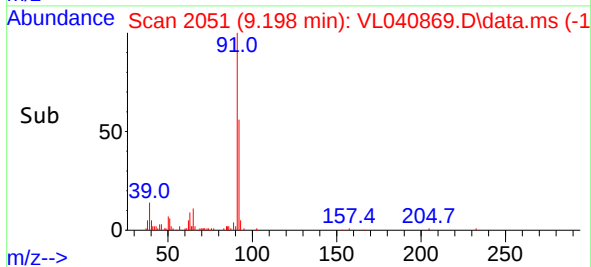
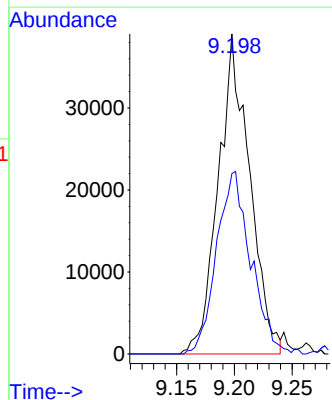
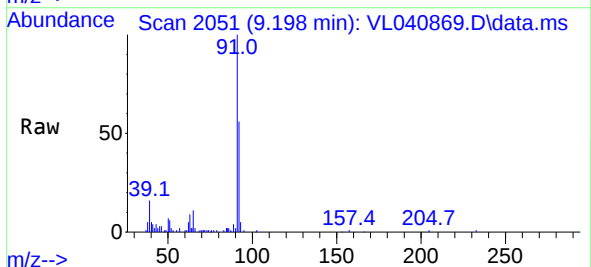
Instrument :
MSVOA_1
ClientSampleId :
NT-SS-2DUP

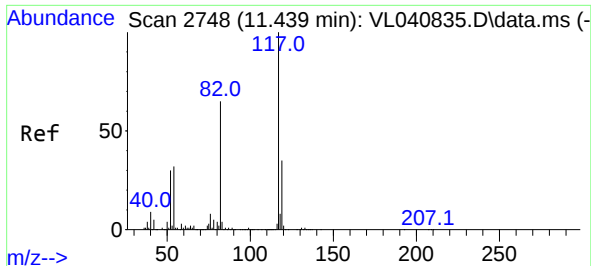
Tgt Ion: 78 Resp: 139473
Ion Ratio Lower Upper
78 100
77 19.8 18.4 27.6
50 17.3 16.2 24.2



#53
Toluene
Concen: 0.304 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. -0.026 min
Lab File: VL040869.D
Acq: 15 Nov 2023 15:08

Tgt Ion: 91 Resp: 73741
Ion Ratio Lower Upper
91 100
92 62.3 49.4 74.2

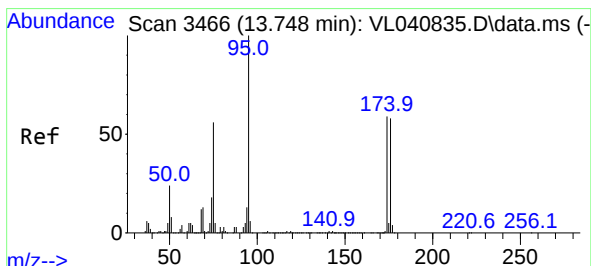
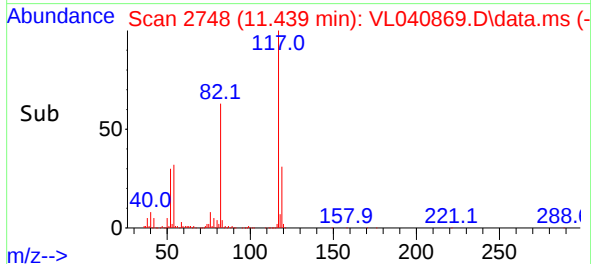
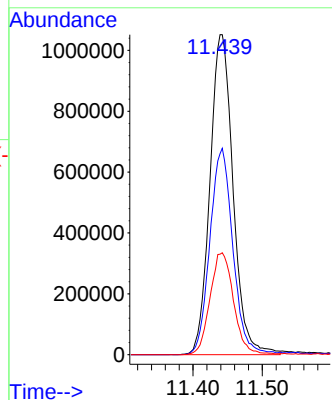
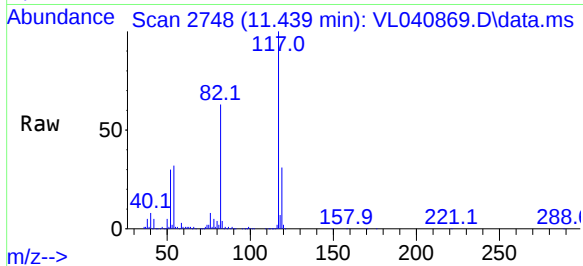




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL040869.D
Acq: 15 Nov 2023 15:08

Instrument :
MSVOA_L
ClientSampleId :
NT-SS-2DUP

Tgt Ion:117 Resp: 2439493
Ion Ratio Lower Upper
117 100
82 64.3 50.6 75.8
119 32.6 23.3 34.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.087 ppbv
RT: 13.747 min Scan# 3466
Delta R.T. -0.023 min
Lab File: VL040869.D
Acq: 15 Nov 2023 15:08

Tgt Ion: 95 Resp: 1926560
Ion Ratio Lower Upper
95 100
174 60.4 47.5 71.3
175 4.5 3.6 5.4

