

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040868.D
 Acq On : 15 Nov 2023 14:04
 Operator : SY/MD
 Sample : 05277-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NT-SS-2

Quant Time: Nov 16 05:52:22 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 13 15:42:46 2023
 Response via : Initial Calibration

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

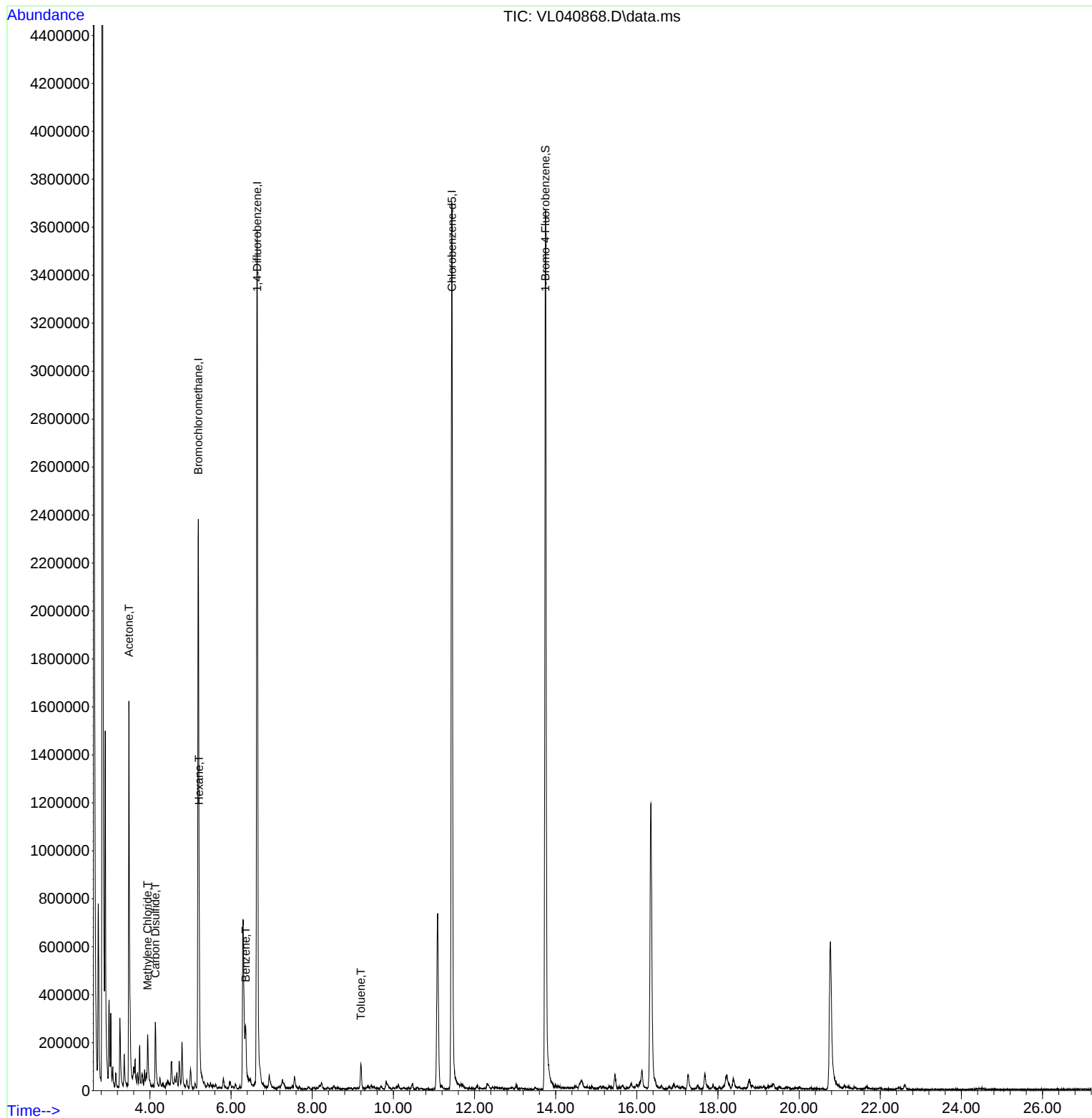
Internal Standards						
1) Bromochloromethane	5.192	49	1083008	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	2783950	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2481101	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1919579	9.882	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
15) Acetone	3.481	43	1611069	13.967	ppbv	93
20) Methylene Chloride	3.944	84	62143	1.305	ppbv	95
26) Hexane	5.211	57	167287	1.583	ppbv #	43
27) Carbon Disulfide	4.134	76	305616	2.280	ppbv	98
36) Benzene	6.362	78	140966	0.624	ppbv	96
53) Toluene	9.201	91	78299	0.315	ppbv	97

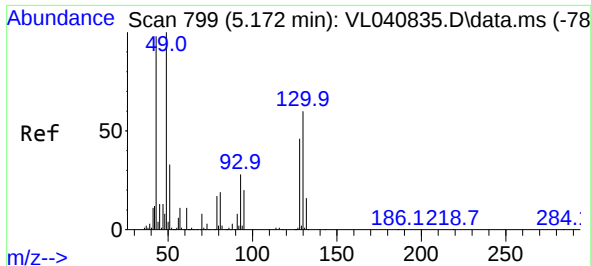
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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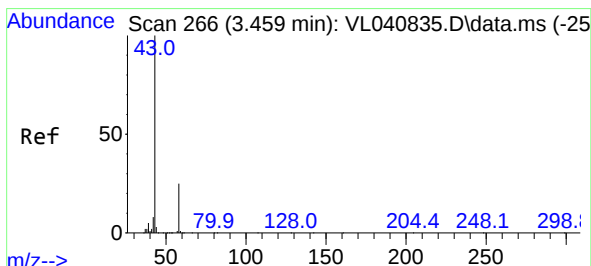
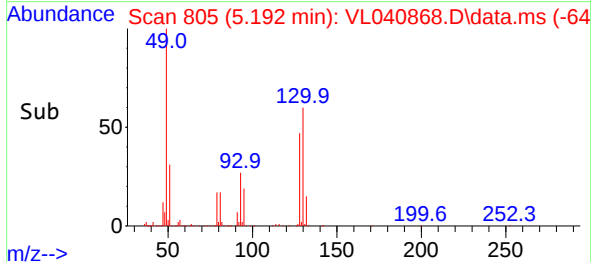
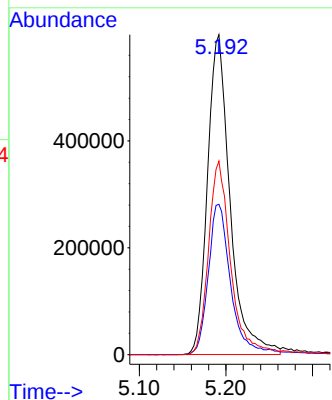
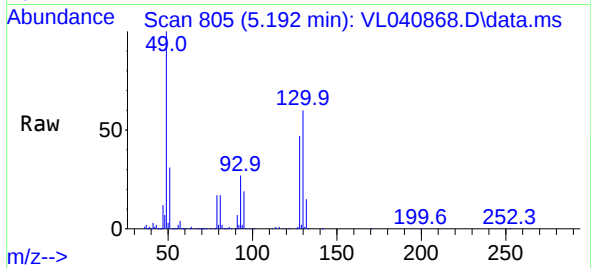




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL040868.D
Acq: 15 Nov 2023 14:04

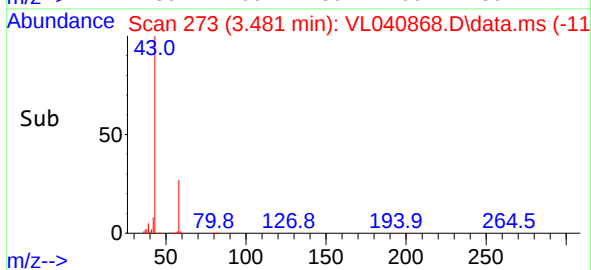
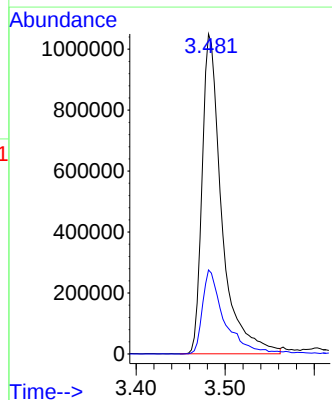
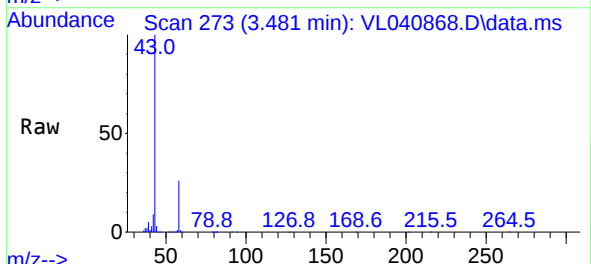
Instrument :
MSVOA_L
ClientSampleId :
NT-SS-2

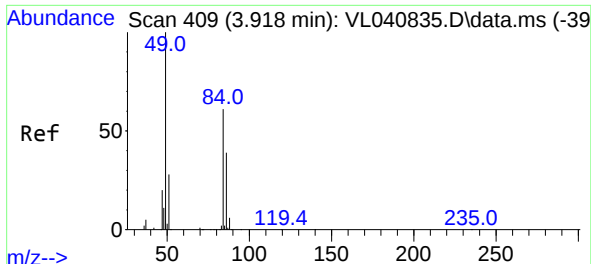
Tgt Ion: 49 Resp: 1083008
Ion Ratio Lower Upper
49 100
128 48.2 23.8 71.2
130 60.5 30.9 92.8



#15
Acetone
Concen: 13.967 ppbv
RT: 3.481 min Scan# 273
Delta R.T. 0.023 min
Lab File: VL040868.D
Acq: 15 Nov 2023 14:04

Tgt Ion: 43 Resp: 1611069
Ion Ratio Lower Upper
43 100
58 29.9 20.9 31.3



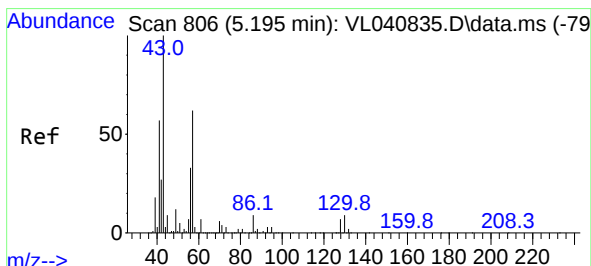
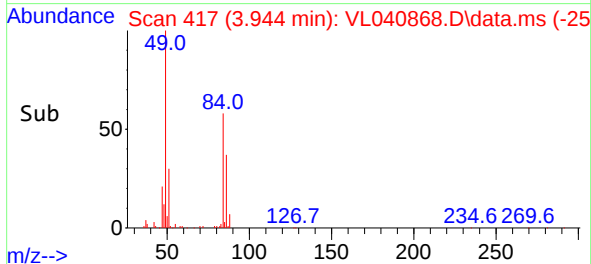
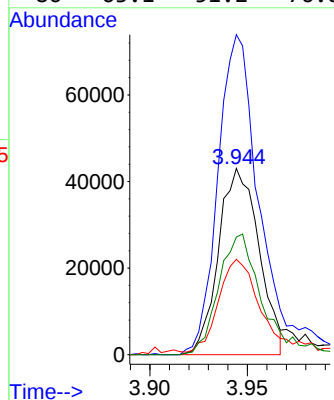
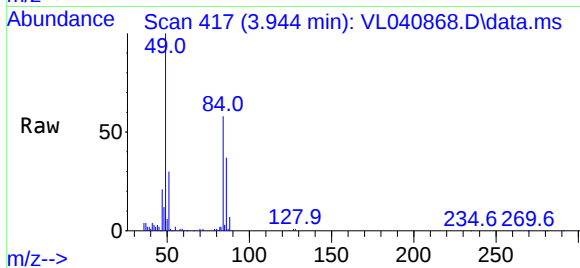


#20
Methylene Chloride
Concen: 1.305 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.026 min
Lab File: VL040868.D
Acq: 15 Nov 2023 14:04

Instrument :
MSVOA_L
ClientSampleId :
NT-SS-2

Tgt Ion: 84 Resp: 62143

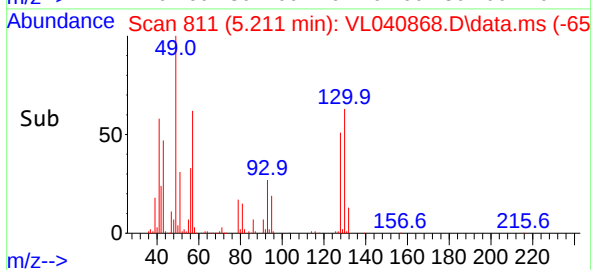
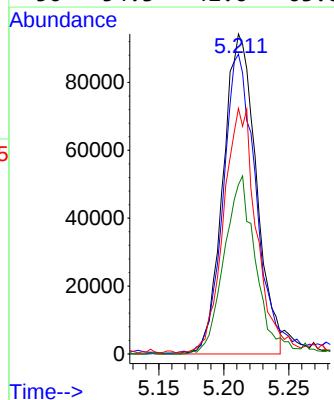
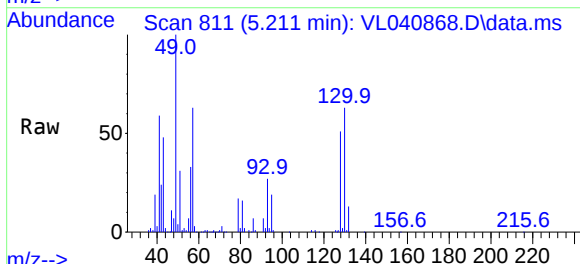
Ion	Ratio	Lower	Upper
84	100		
49	171.8	131.0	196.4
51	49.6	36.9	55.3
86	63.1	51.2	76.8

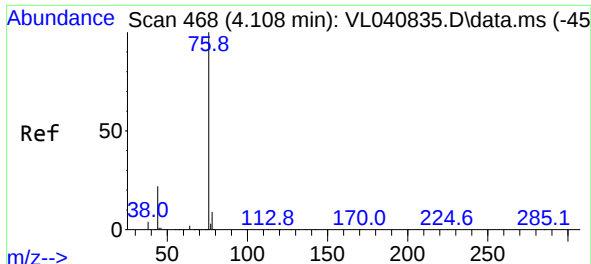


#26
Hexane
Concen: 1.583 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.016 min
Lab File: VL040868.D
Acq: 15 Nov 2023 14:04

Tgt Ion: 57 Resp: 167287

Ion	Ratio	Lower	Upper
57	100		
41	94.9	75.4	113.0
43	79.2	185.9	278.9#
56	54.3	42.6	63.8

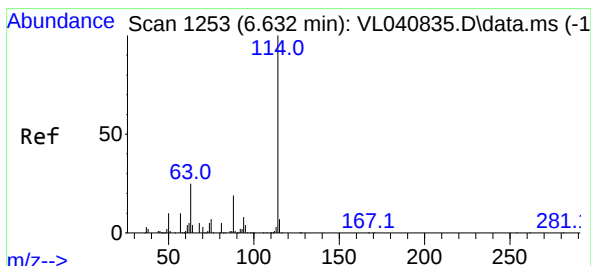
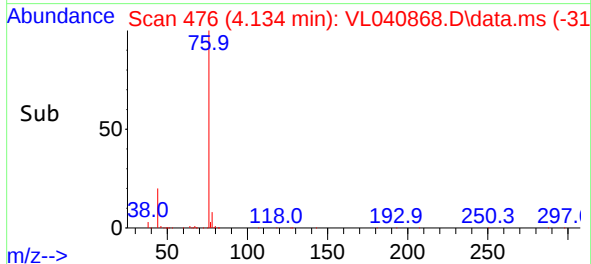
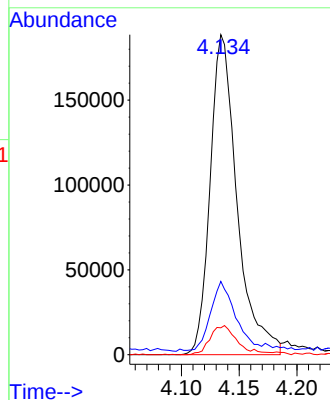
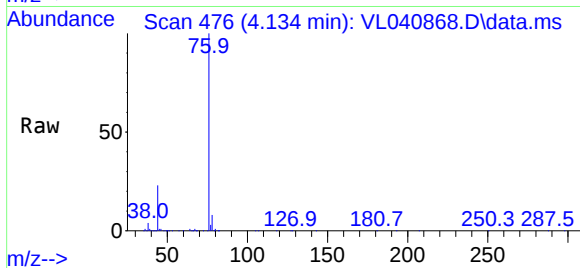




#27
Carbon Disulfide
Concen: 2.280 ppbv
RT: 4.134 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL040868.D
Acq: 15 Nov 2023 14:04

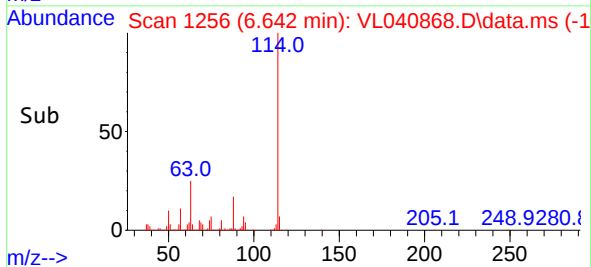
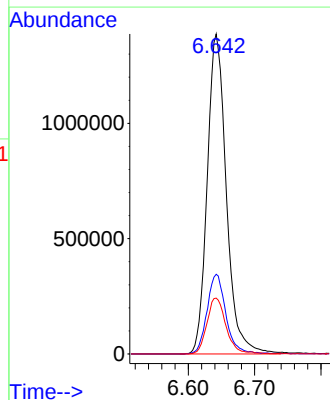
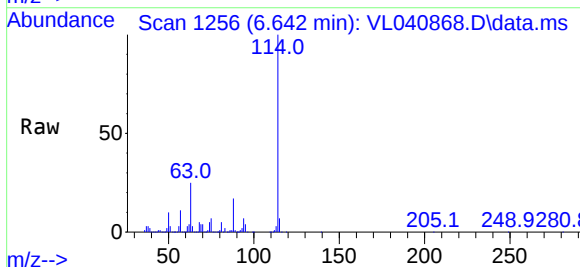
Instrument :
MSVOA_1
ClientSampleId :
NT-SS-2

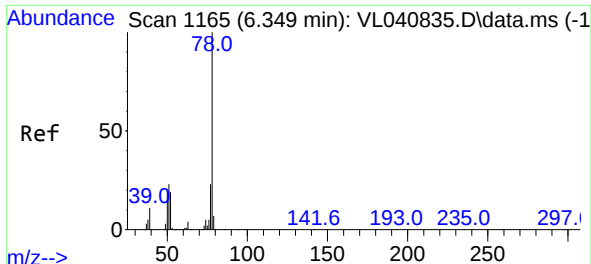
Tgt Ion: 76 Resp: 305616
Ion Ratio Lower Upper
76 100
44 22.0 16.7 25.1
78 9.6 7.6 11.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. 0.010 min
Lab File: VL040868.D
Acq: 15 Nov 2023 14:04

Tgt Ion: 114 Resp: 2783950
Ion Ratio Lower Upper
114 100
63 24.8 20.9 31.3
88 17.6 14.3 21.5

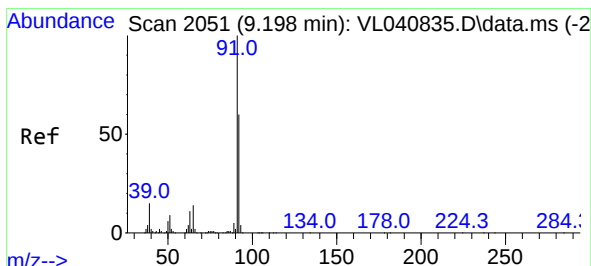
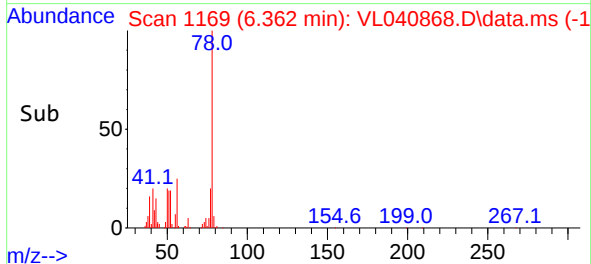
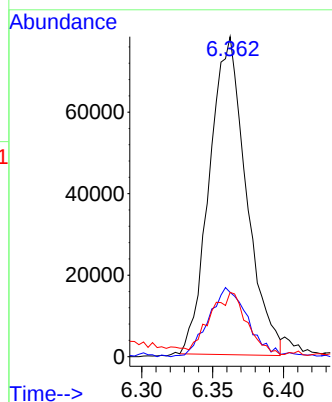
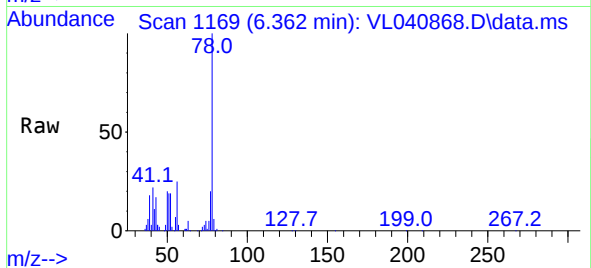




#36
Benzene
Concen: 0.624 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.013 min
Lab File: VL040868.D
Acq: 15 Nov 2023 14:04

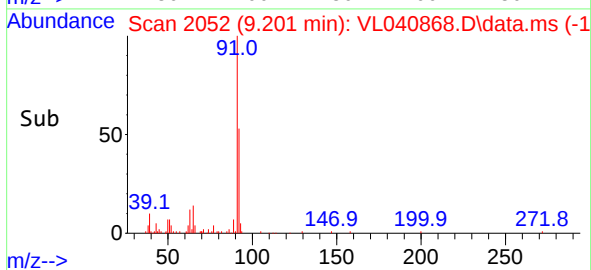
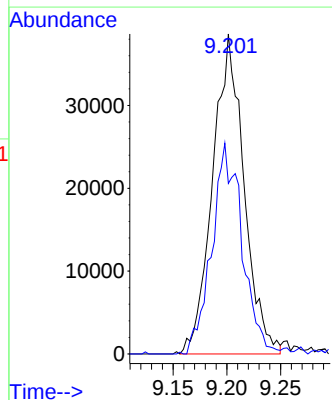
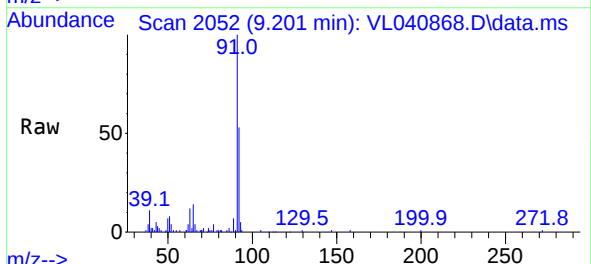
Instrument :
MSVOA_1
ClientSampleId :
NT-SS-2

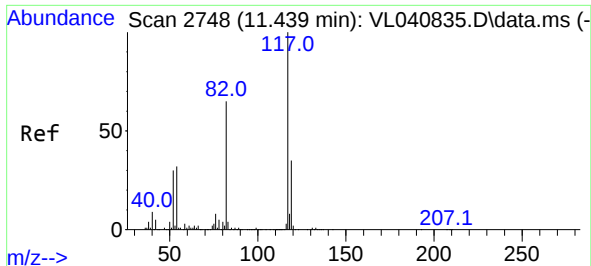
Tgt Ion: 78 Resp: 140966
Ion Ratio Lower Upper
78 100
77 19.6 18.4 27.6
50 19.5 16.2 24.2



#53
Toluene
Concen: 0.315 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. 0.003 min
Lab File: VL040868.D
Acq: 15 Nov 2023 14:04

Tgt Ion: 91 Resp: 78299
Ion Ratio Lower Upper
91 100
92 63.8 49.4 74.2

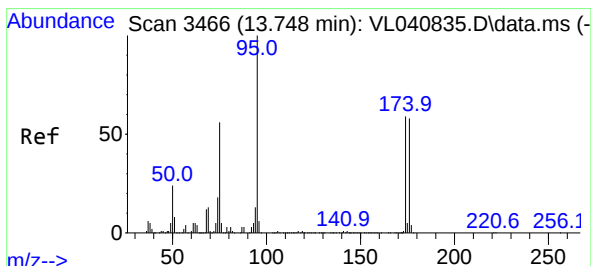
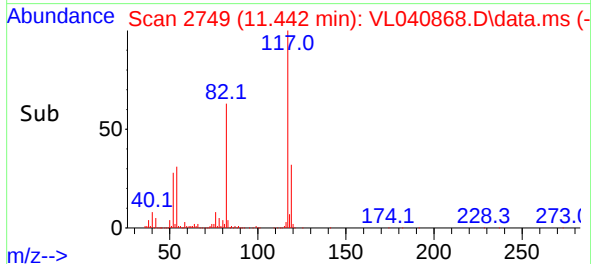
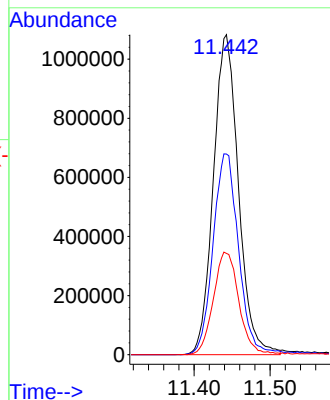
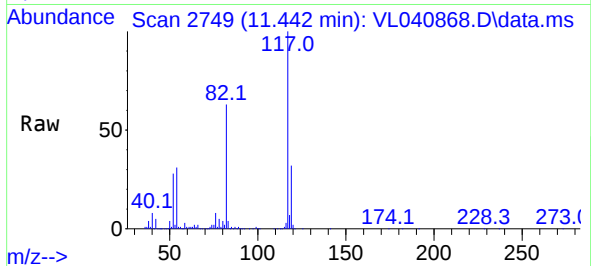




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL040868.D
Acq: 15 Nov 2023 14:04

Instrument :
MSVOA_1
ClientSampleId :
NT-SS-2

Tgt Ion:117 Resp: 2481101
Ion Ratio Lower Upper
117 100
82 64.9 50.6 75.8
119 33.3 23.3 34.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.882 ppbv
RT: 13.748 min Scan# 3466
Delta R.T. 0.000 min
Lab File: VL040868.D
Acq: 15 Nov 2023 14:04

Tgt Ion: 95 Resp: 1919579
Ion Ratio Lower Upper
95 100
174 62.4 47.5 71.3
175 4.6 3.6 5.4

