

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041192.D
 Acq On : 2 May 2024 12:01
 Operator : SY/MD
 Sample : P2334-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-SS02-20240425DL

Quant Time: May 03 03:39:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 03 03:34:47 2024
 Response via : Initial Calibration

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

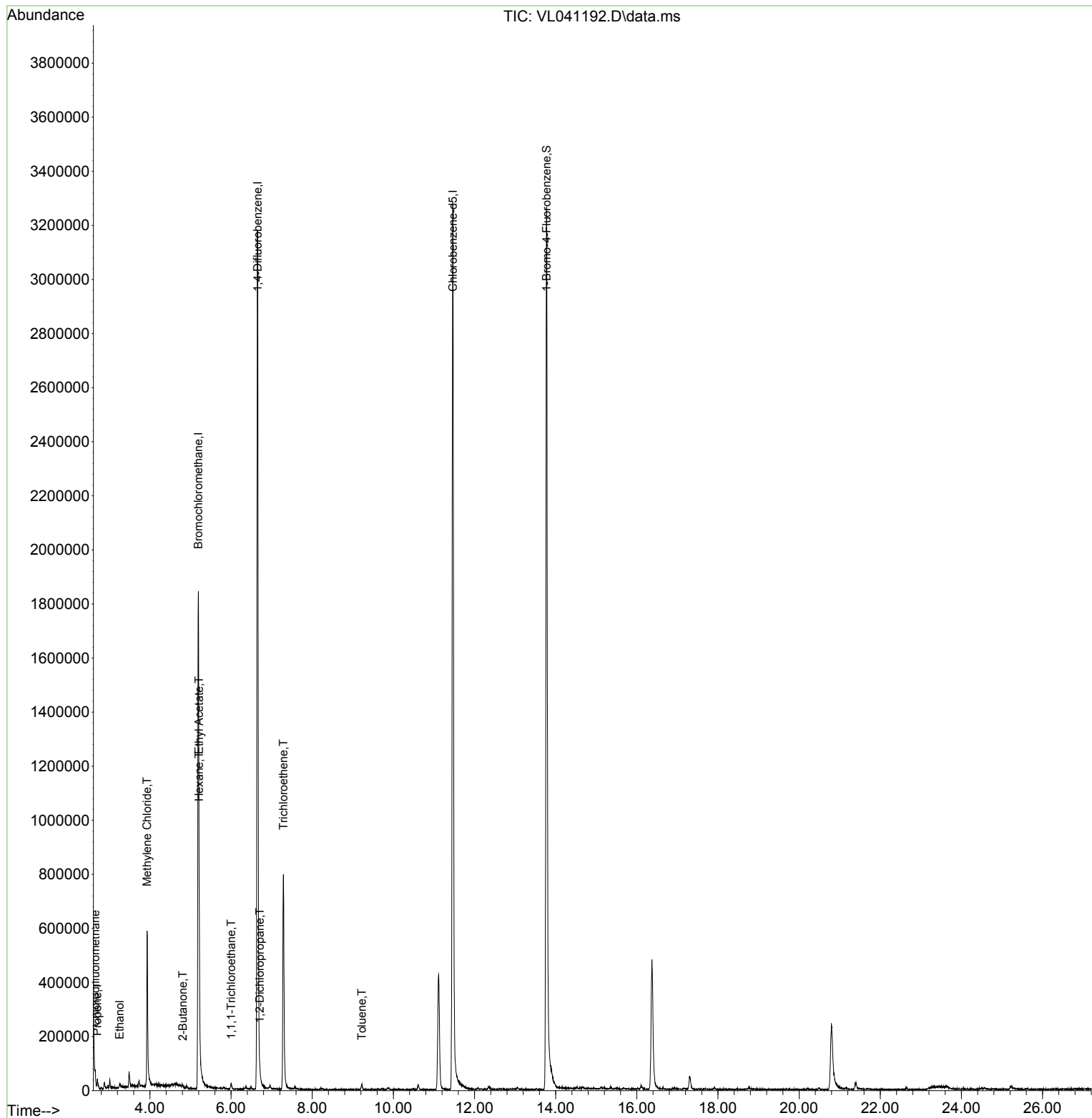
Internal Standards						
1) Bromochloromethane	5.192	49	970734	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2477654	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2215808	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1689095	10.097	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.655	51	27773	0.188	ppbv #	64
9) Propene	2.700	41	8555	0.148	ppbv	84
13) Ethanol	3.256	45	9016	0.697	ppbv #	17
20) Methylene Chloride	3.931	84	174128	4.371	ppbv	95
25) Ethyl Acetate	5.208	43	49335	0.216	ppbv #	78
26) Hexane	5.211	57	133844	1.312	ppbv #	42
32) 1,1,1-Trichloroethane	6.002	97	9621	0.068	ppbv	85
34) 2-Butanone	4.809	43	8253	0.065	ppbv	96
38) Trichloroethene	7.291	130	256652	3.312	ppbv	98
39) 1,2-Dichloropropane	6.709	63	6890	0.086	ppbv #	22
53) Toluene	9.221	91	7786	0.032	ppbv #	20

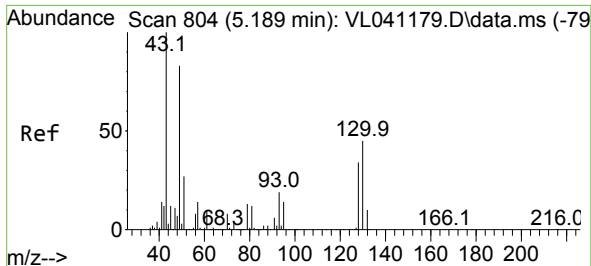
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 03 03:39:22 2024
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri May 03 03:34:47 2024
Response via : Initial Calibration

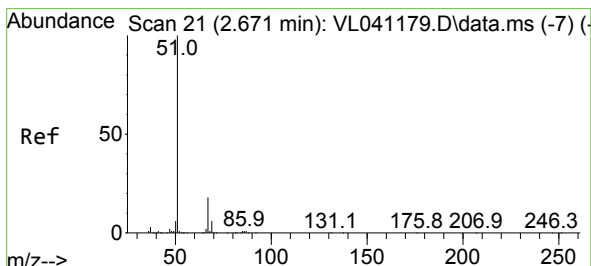
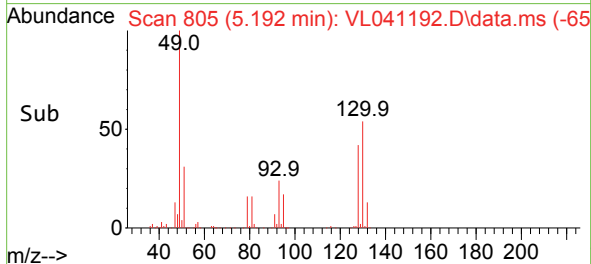
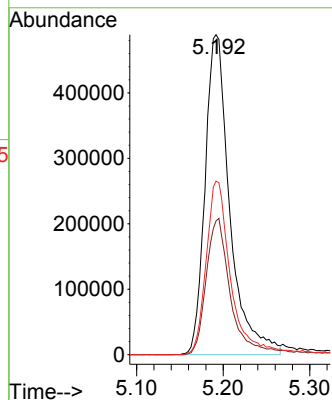
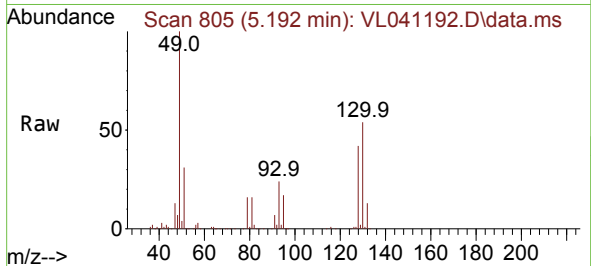




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041192.D
Acq: 2 May 2024 12:01

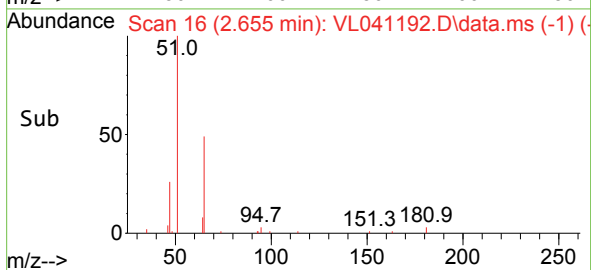
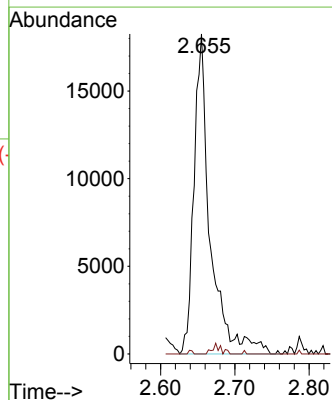
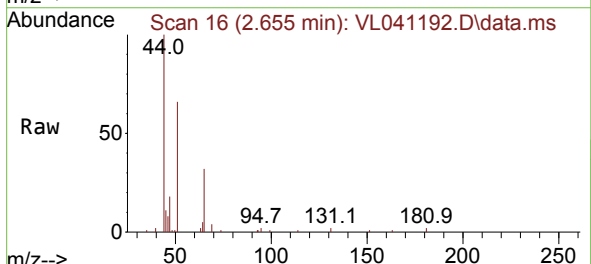
Instrument :
MSVOA_L
ClientSampleId :
BA-20-SS02-20240425DL

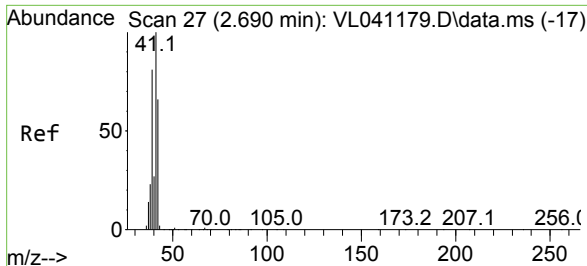
Tgt Ion: 49 Resp: 970734
Ion Ratio Lower Upper
49 100
128 43.6 21.5 64.5
130 55.3 27.2 81.6



#3
Chlorodifluoromethane
Concen: 0.188 ppbv
RT: 2.655 min Scan# 16
Delta R.T. -0.019 min
Lab File: VL041192.D
Acq: 2 May 2024 12:01

Tgt Ion: 51 Resp: 27773
Ion Ratio Lower Upper
51 100
67 1.7 14.0 21.0





#9

Propene

Concen: 0.148 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.007 min

Lab File: VL041192.D

Acq: 2 May 2024 12:01

Instrument :

MSVOA_L

ClientSampleId :

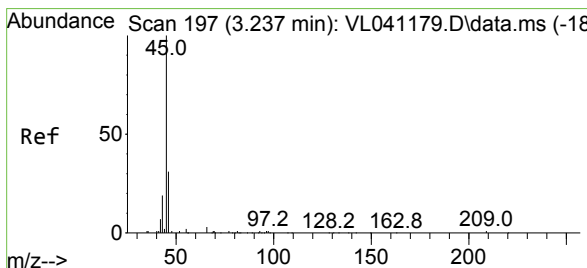
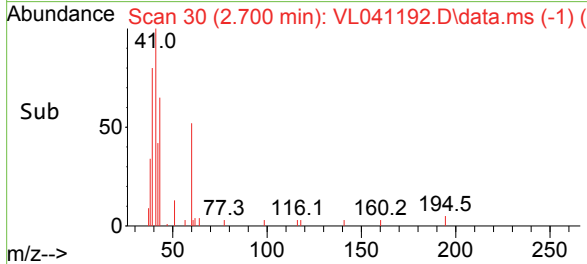
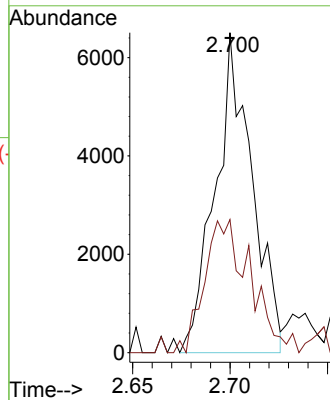
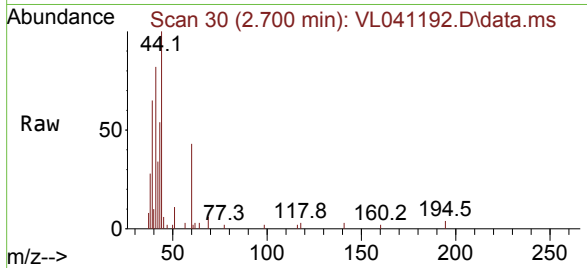
BA-20-SS02-20240425DL

Tgt Ion: 41 Resp: 8555

Ion Ratio Lower Upper

41 100

42 55.7 55.3 82.9



#13

Ethanol

Concen: 0.697 ppbv

RT: 3.256 min Scan# 203

Delta R.T. 0.019 min

Lab File: VL041192.D

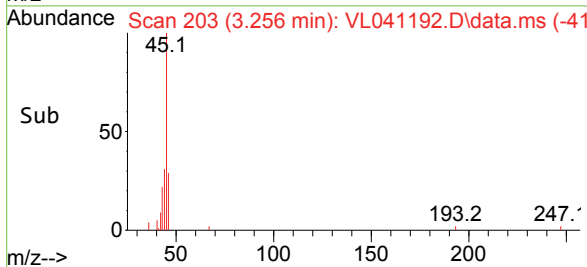
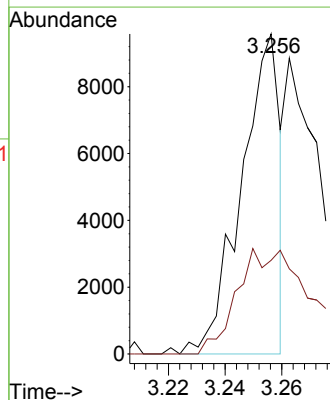
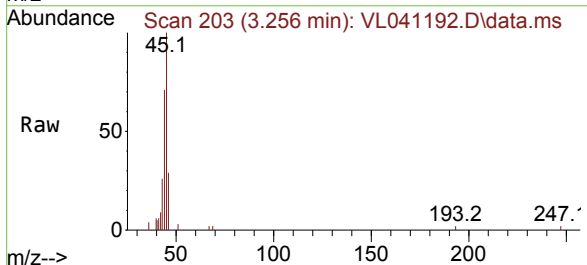
Acq: 2 May 2024 12:01

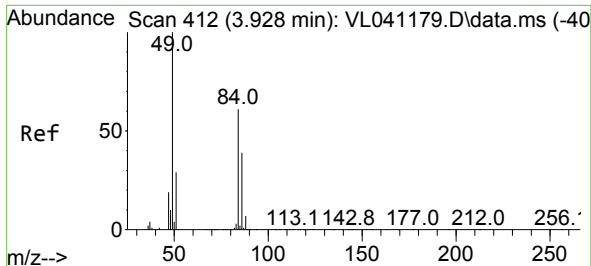
Tgt Ion: 45 Resp: 9016

Ion Ratio Lower Upper

45 100

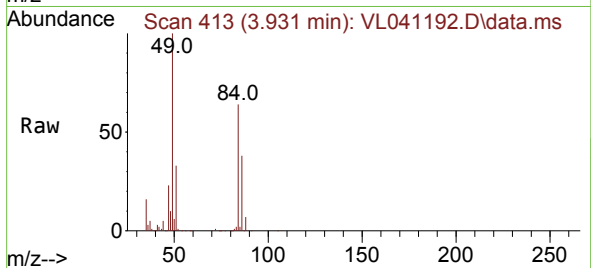
46 86.1 14.8 59.0#





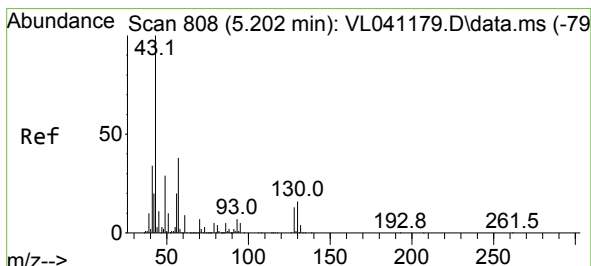
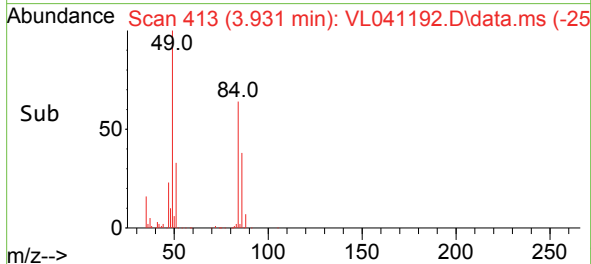
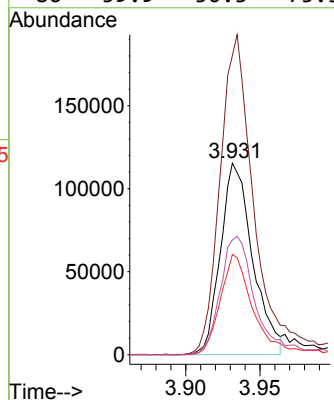
#20
Methylene Chloride
Concen: 4.371 ppbv
RT: 3.931 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL041192.D
Acq: 2 May 2024 12:01

Instrument :
MSVOA_L
ClientSampleId :
BA-20-SS02-20240425DL



Tgt Ion: 84 Resp: 174128

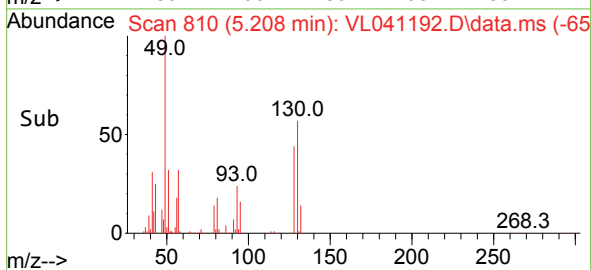
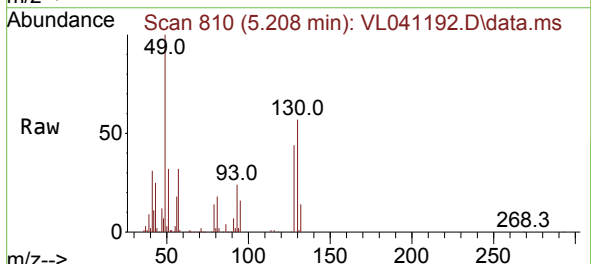
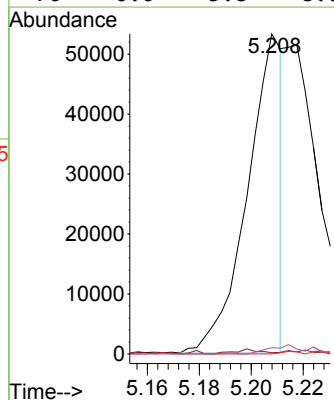
Ion	Ratio	Lower	Upper
84	100		
49	156.2	130.4	195.6
51	52.3	38.0	57.0
86	59.9	50.3	75.5

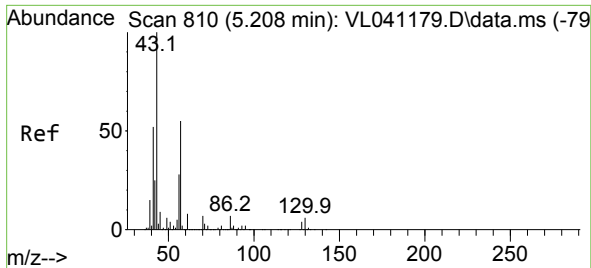


#25
Ethyl Acetate
Concen: 0.216 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.007 min
Lab File: VL041192.D
Acq: 2 May 2024 12:01

Tgt Ion: 43 Resp: 49335

Ion	Ratio	Lower	Upper
43	100		
45	2.7	8.2	12.2#
61	0.0	7.7	11.5#
70	0.0	5.8	8.6#

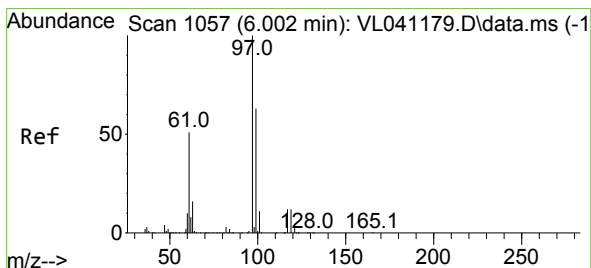
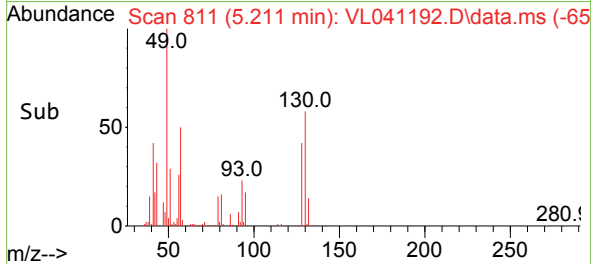
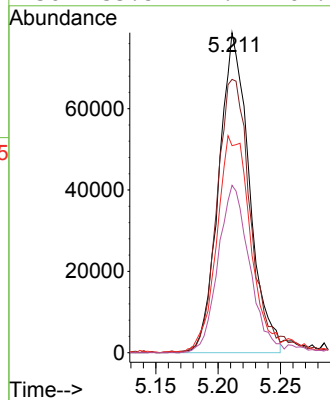
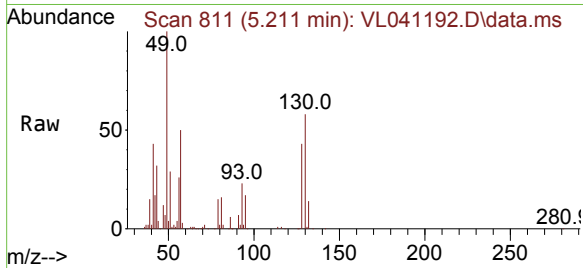




#26
Hexane
Concen: 1.312 ppbv
RT: 5.211 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL041192.D
Acq: 2 May 2024 12:01

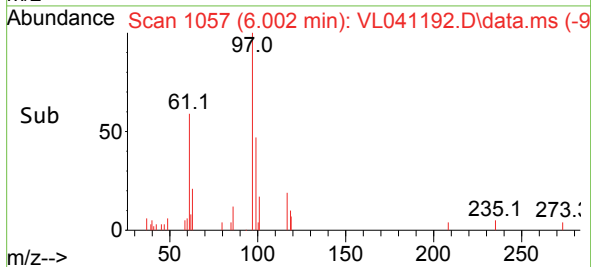
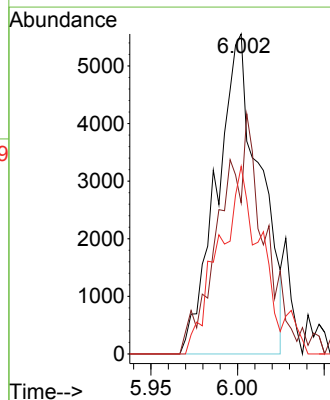
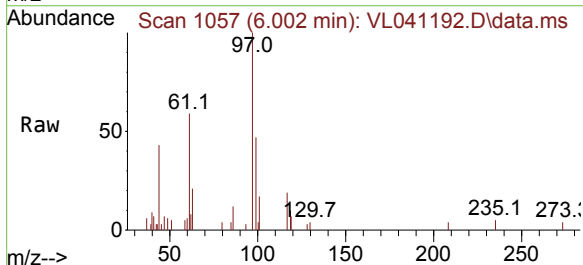
Instrument :
MSVOA_L
ClientSampleId :
BA-20-SS02-20240425DL

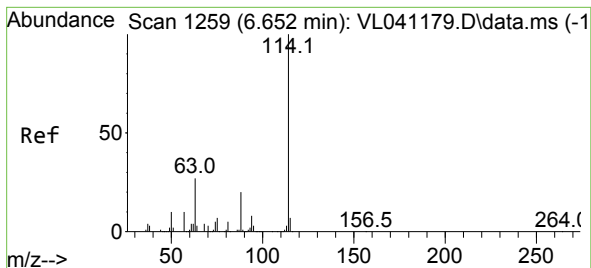
Tgt Ion: 57 Resp: 133844
Ion Ratio Lower Upper
57 100
41 97.2 75.8 113.8
43 78.0 187.0 280.4#
56 55.8 42.7 64.1



#32
1,1,1-Trichloroethane
Concen: 0.068 ppbv
RT: 6.002 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VL041192.D
Acq: 2 May 2024 12:01

Tgt Ion: 97 Resp: 9621
Ion Ratio Lower Upper
97 100
99 77.5 51.7 77.5
61 60.0 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL041192.D

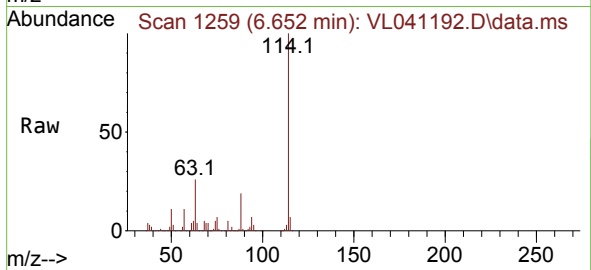
Acq: 2 May 2024 12:01

Instrument :

MSVOA_L

ClientSampleId :

BA-20-SS02-20240425DL



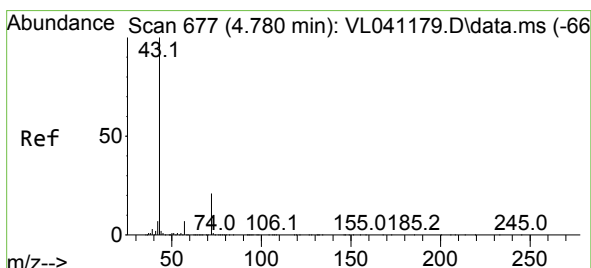
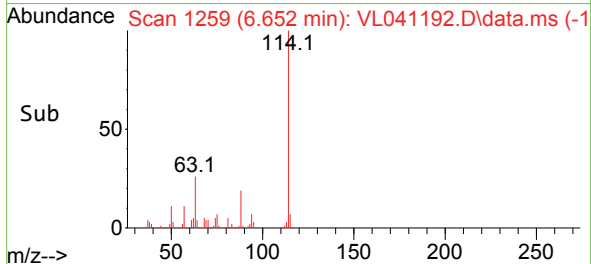
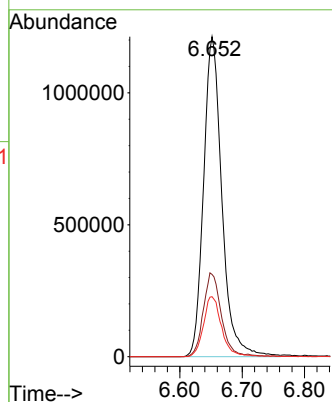
Tgt Ion:114 Resp: 2477654

Ion Ratio Lower Upper

114 100

63 26.1 21.8 32.6

88 18.8 15.2 22.8



#34

2-Butanone

Concen: 0.065 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.026 min

Lab File: VL041192.D

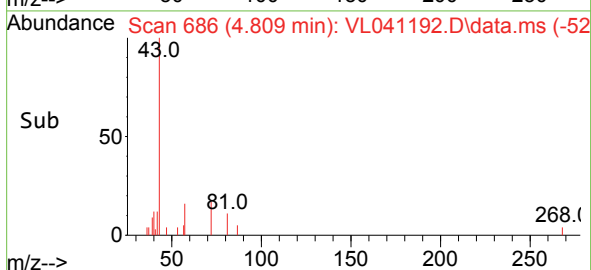
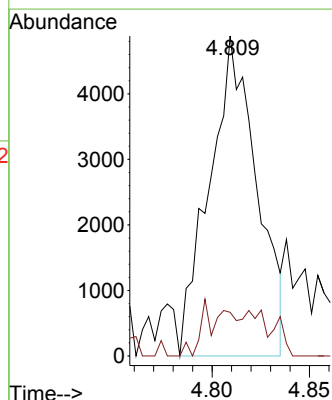
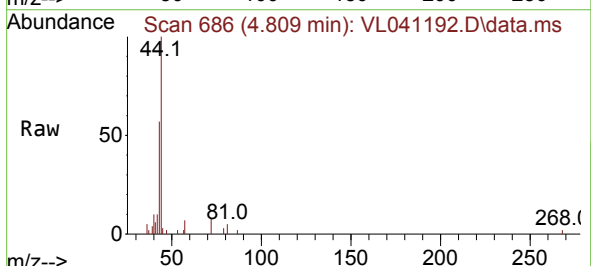
Acq: 2 May 2024 12:01

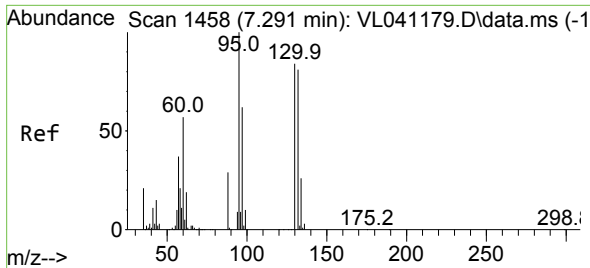
Tgt Ion: 43 Resp: 8253

Ion Ratio Lower Upper

43 100

72 19.6 17.3 25.9



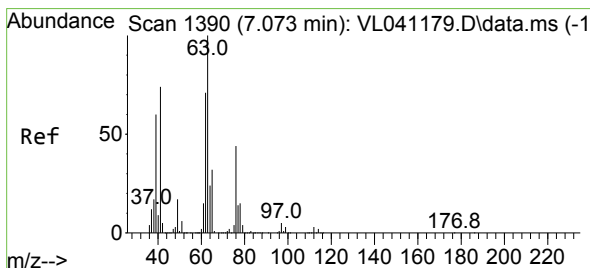
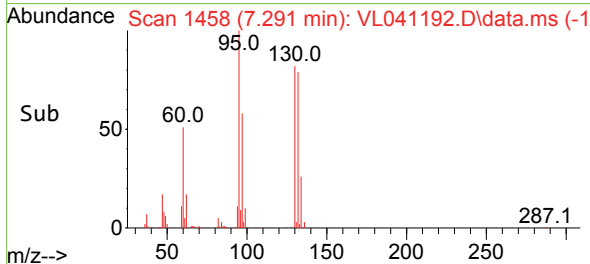
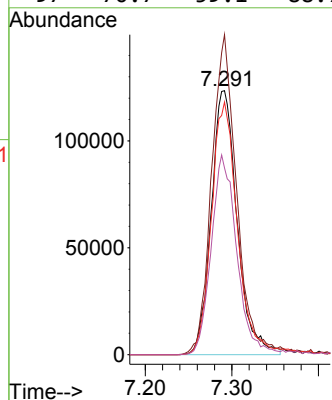
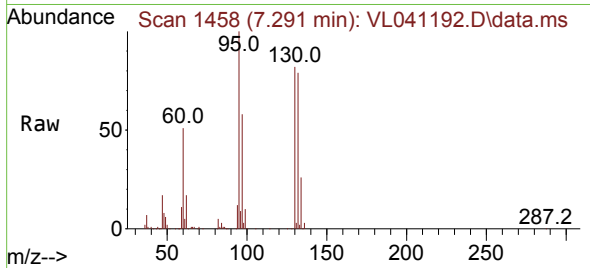


#38
Trichloroethene
Concen: 3.312 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. 0.003 min
Lab File: VL041192.D
Acq: 2 May 2024 12:01

Instrument :
MSVOA_L
ClientSampleId :
BA-20-SS02-20240425DL

Tgt Ion:130 Resp: 256652

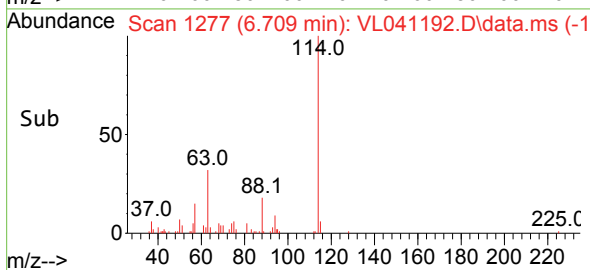
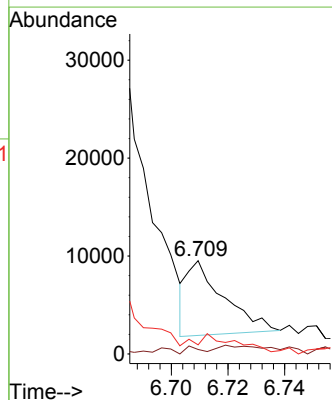
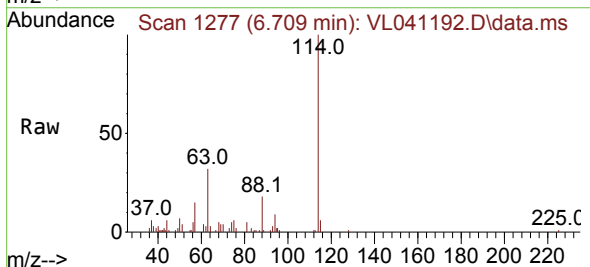
Ion	Ratio	Lower	Upper
130	100		
95	121.1	95.0	142.6
132	95.7	77.0	115.4
97	70.7	59.1	88.7

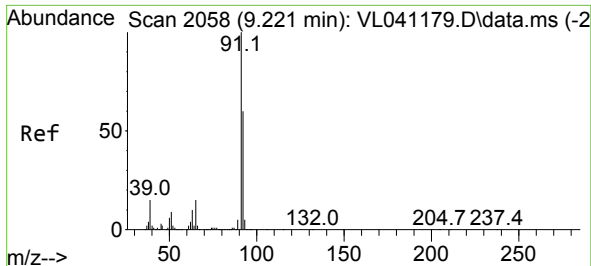


#39
1,2-Dichloropropane
Concen: 0.086 ppbv
RT: 6.709 min Scan# 1277
Delta R.T. -0.363 min
Lab File: VL041192.D
Acq: 2 May 2024 12:01

Tgt Ion: 63 Resp: 6890

Ion	Ratio	Lower	Upper
63	100		
41	6.4	59.4	89.0#
62	8.4	56.8	85.2#

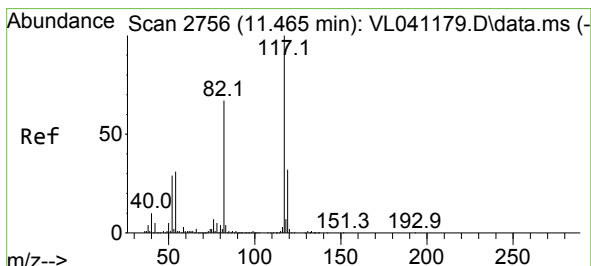
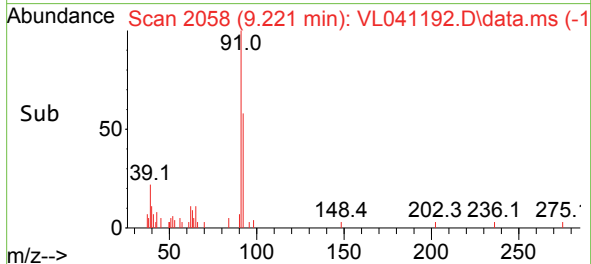
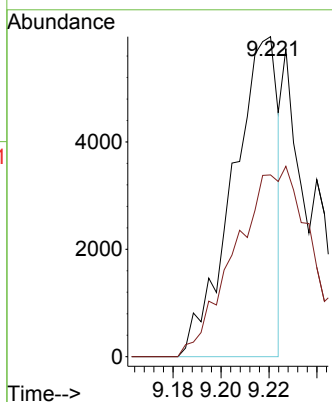
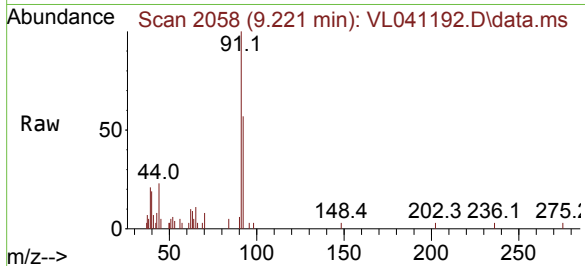




#53
Toluene
Concen: 0.032 ppbv
RT: 9.221 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VL041192.D
Acq: 2 May 2024 12:01

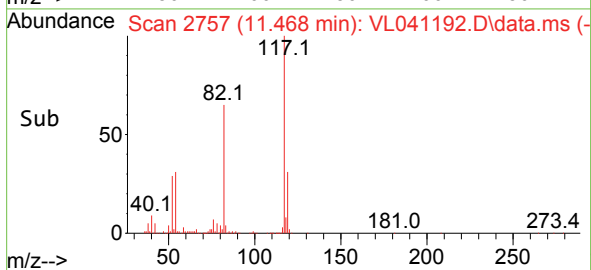
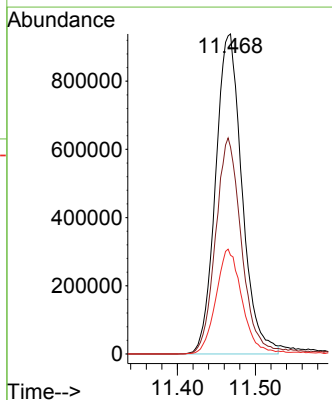
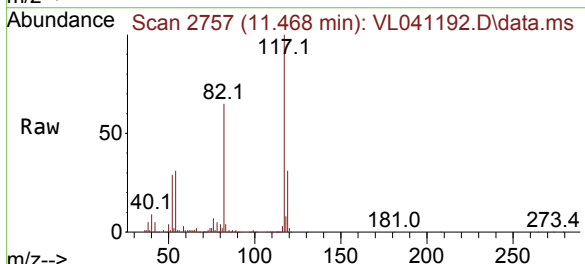
Instrument :
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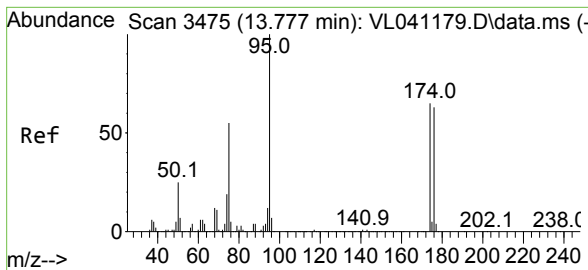
Tgt Ion: 91 Resp: 7786
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041192.D
Acq: 2 May 2024 12:01

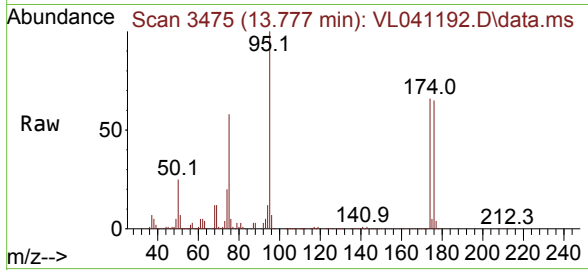
Tgt Ion: 117 Resp: 2215808
Ion Ratio Lower Upper
117 100
82 68.0 53.6 80.4
119 33.4 27.2 40.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.097 ppbv
 RT: 13.777 min Scan# 34
 Delta R.T. 0.003 min
 Lab File: VL041192.D
 Acq: 2 May 2024 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-SS02-20240425DL



Tgt Ion: 95 Resp: 1689095

Ion	Ratio	Lower	Upper
95	100		
174	69.8	53.6	80.4
175	5.4	4.2	6.4

