

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL040002.D
 Acq On : 13 Dec 2022 8:05
 Operator : SY/MD
 Sample : N5969-05DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL2

Quant Time: Dec 13 14:17:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

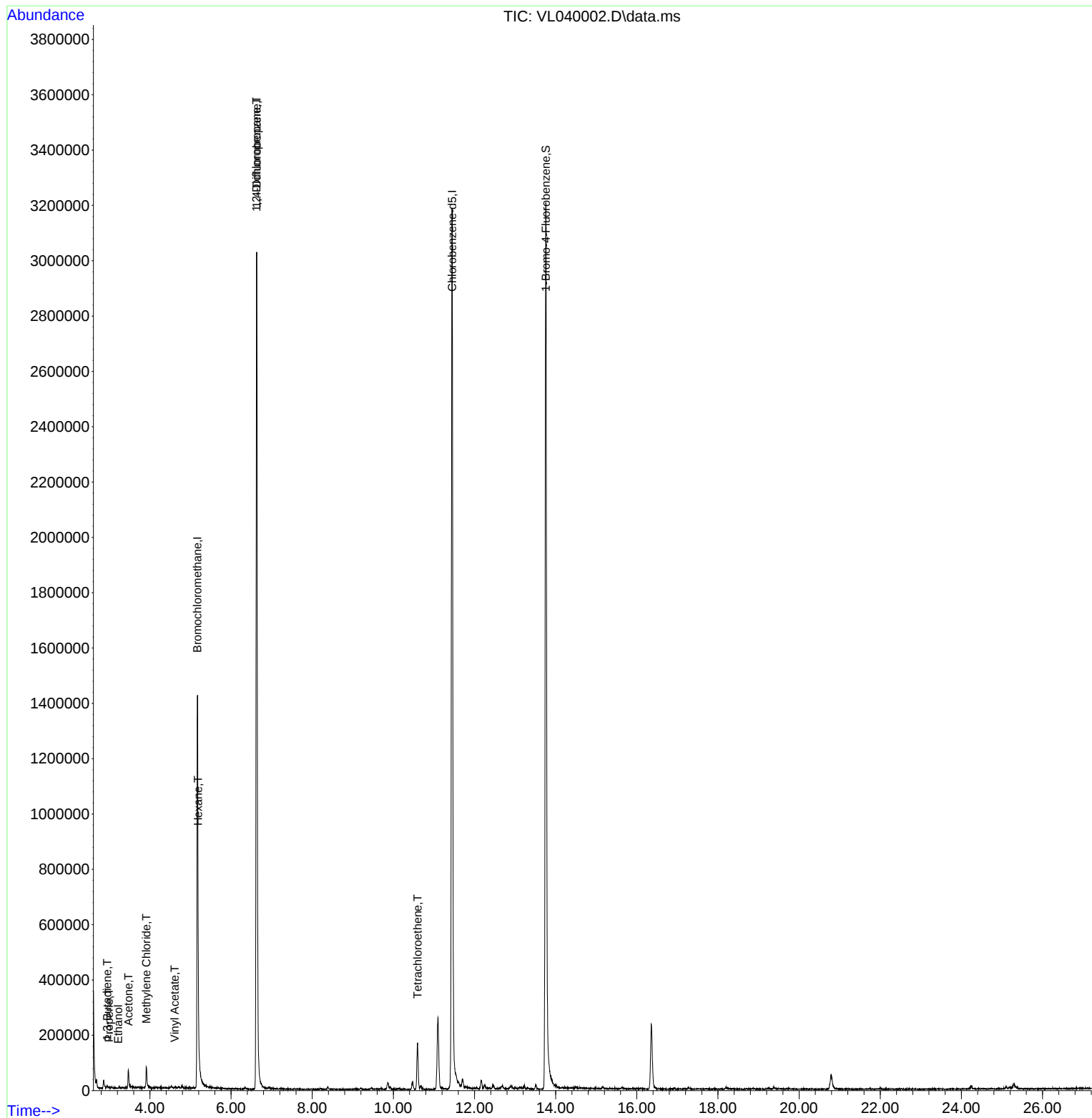
Internal Standards						
1) Bromochloromethane	5.169	49	796074	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2446504	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.445	117	2229267	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1761611	10.346	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.500%
Target Compounds						
9) Propene	2.992	41	1613	0.031	ppbv	95
13) Ethanol	3.221	45	85	0.022	ppbv #	38
15) Acetone	3.468	43	64898	0.615	ppbv	93
16) 1,3-Butadiene	2.951	39	1384	0.026	ppbv #	8
20) Methylene Chloride	3.915	84	23652	0.462	ppbv	94
23) Vinyl Acetate	4.610	43	1809	0.042	ppbv #	1
26) Hexane	5.185	57	6892	0.081	ppbv #	46
39) 1,2-Dichloropropane	6.629	63	596830	7.366	ppbv #	26
52) Tetrachloroethene	10.597	164	24193	0.311	ppbv #	83

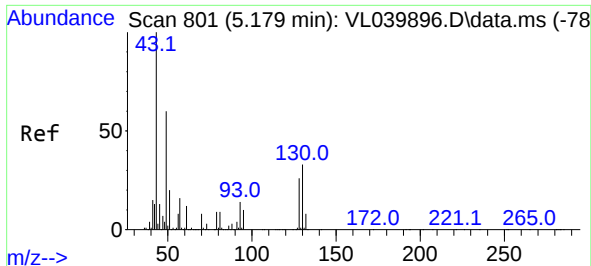
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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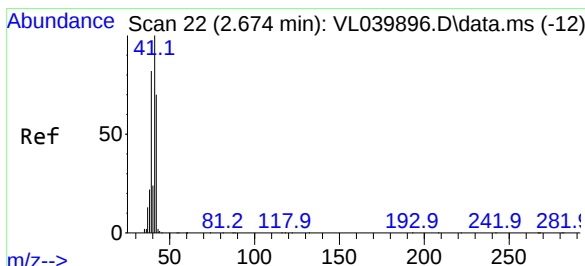
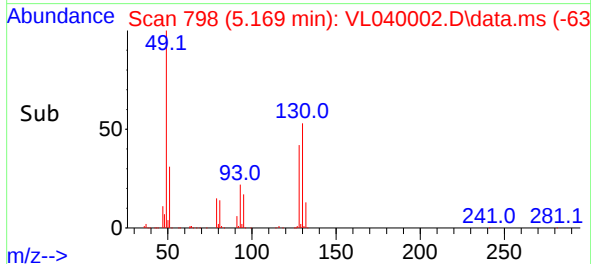
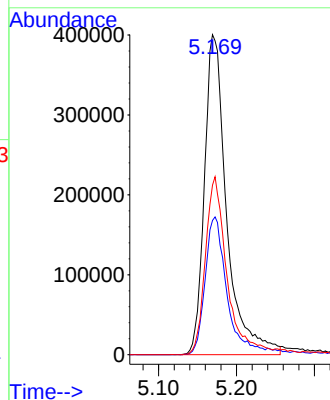
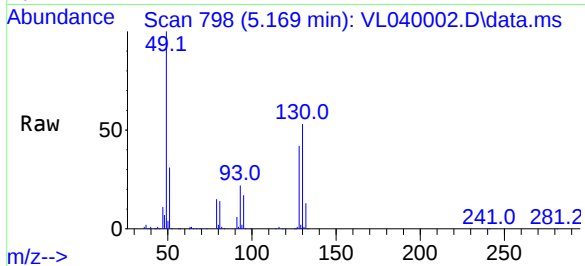




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. 0.013 min
Lab File: VL040002.D
Acq: 13 Dec 2022 8:05

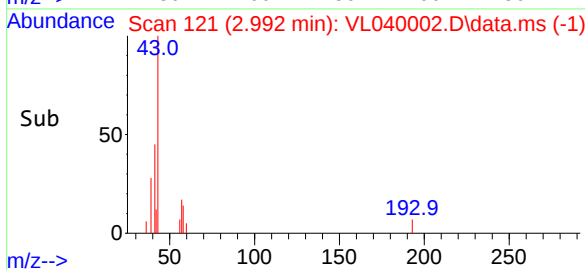
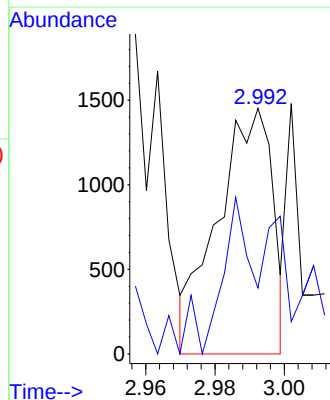
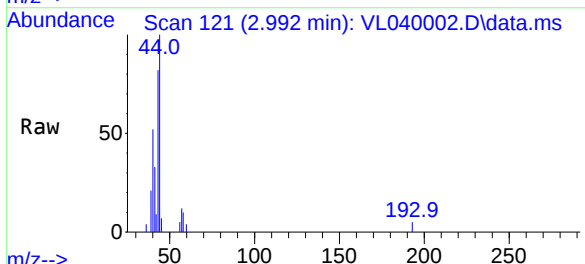
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL2

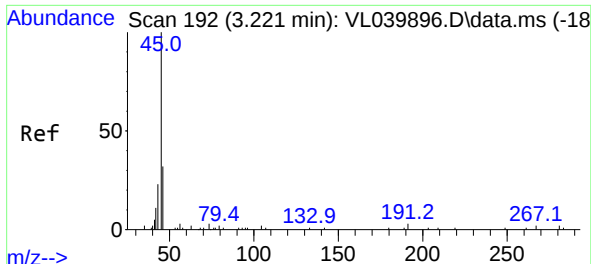
Tgt Ion: 49 Resp: 796074
Ion Ratio Lower Upper
49 100
128 43.7 22.1 66.3
130 57.2 27.7 83.1



#9
Propene
Concen: 0.031 ppbv
RT: 2.992 min Scan# 121
Delta R.T. 0.331 min
Lab File: VL040002.D
Acq: 13 Dec 2022 8:05

Tgt Ion: 41 Resp: 1613
Ion Ratio Lower Upper
41 100
42 66.0 55.8 83.6

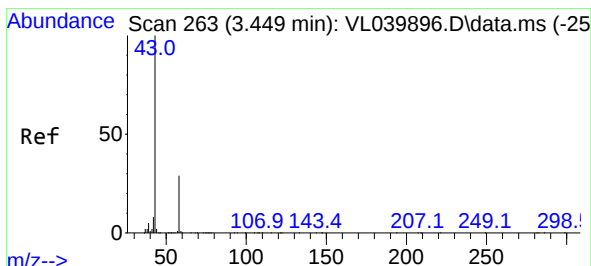
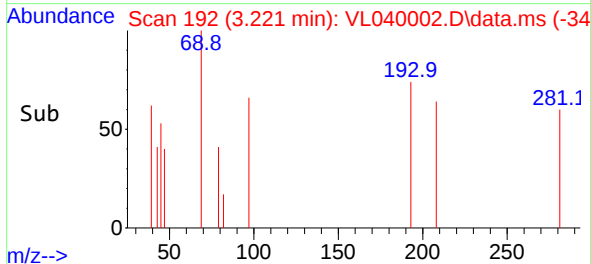
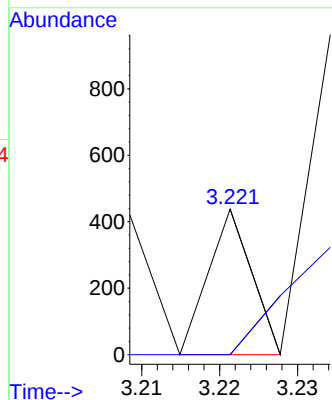
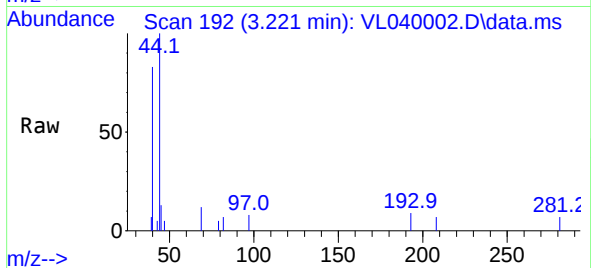




#13
Ethanol
Concen: 0.022 ppbv
RT: 3.221 min Scan# 19
Delta R.T. 0.006 min
Lab File: VL040002.D
Acq: 13 Dec 2022 8:05

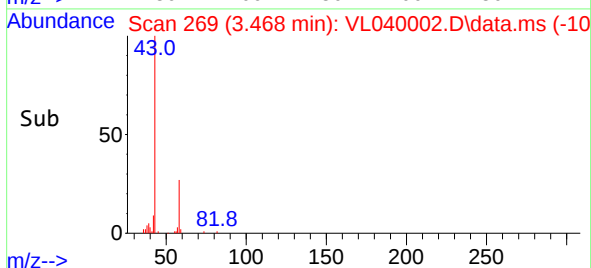
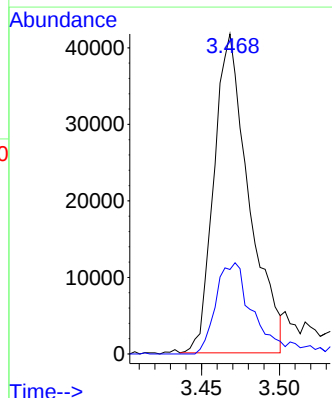
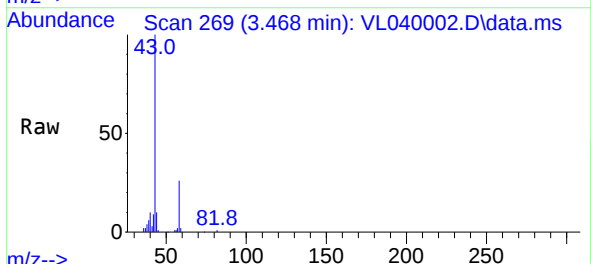
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL2

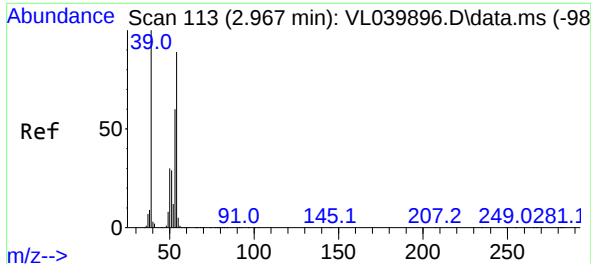
Tgt Ion: 45 Resp: 85
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#



#15
Acetone
Concen: 0.615 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.035 min
Lab File: VL040002.D
Acq: 13 Dec 2022 8:05

Tgt Ion: 43 Resp: 64898
Ion Ratio Lower Upper
43 100
58 32.2 22.9 34.3

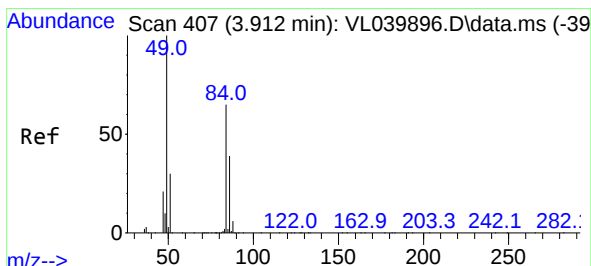
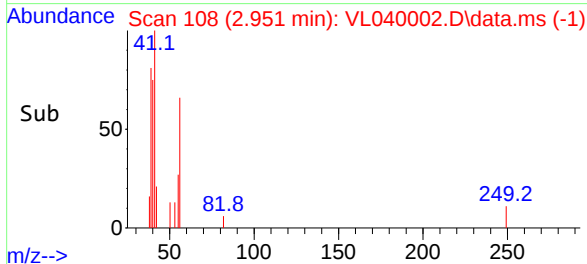
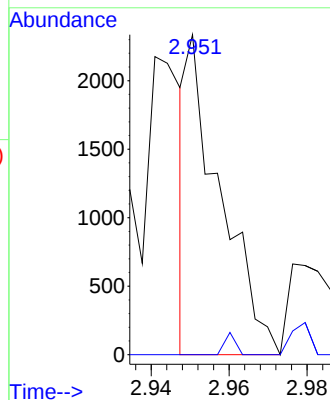
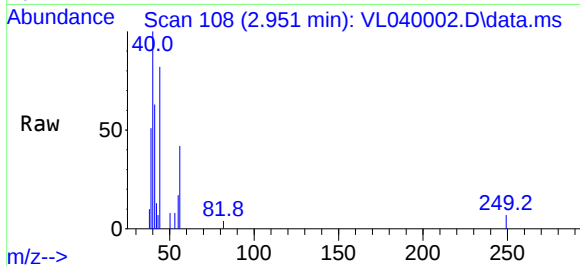




#16
1,3-Butadiene
Concen: 0.026 ppbv
RT: 2.951 min Scan# 108
Delta R.T. 0.000 min
Lab File: VL040002.D
Acq: 13 Dec 2022 8:05

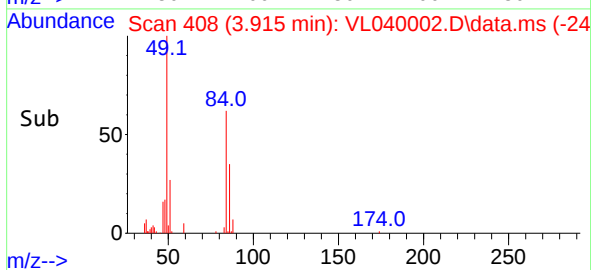
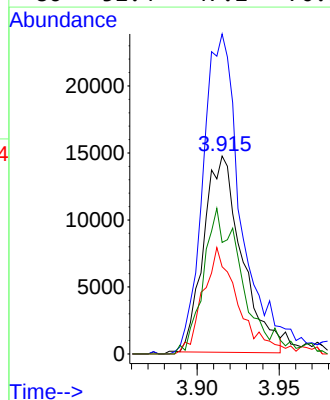
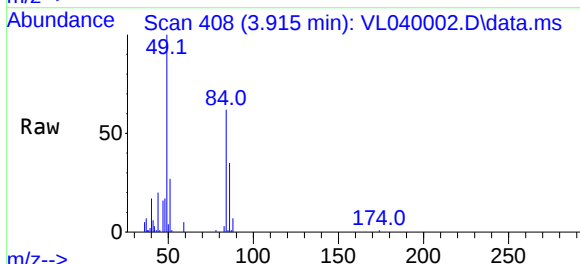
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL2

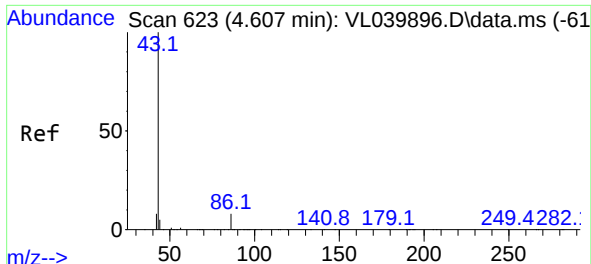
Tgt Ion: 39 Resp: 1384
Ion Ratio Lower Upper
39 100
54 0.0 66.6 99.8#



#20
Methylene Chloride
Concen: 0.462 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.019 min
Lab File: VL040002.D
Acq: 13 Dec 2022 8:05

Tgt Ion: 84 Resp: 23652
Ion Ratio Lower Upper
84 100
49 159.8 122.2 183.4
51 42.9 36.3 54.5
86 52.4 47.2 70.8





#23

Vinyl Acetate

Concen: 0.042 ppbv

RT: 4.610 min Scan# 61

Delta R.T. 0.016 min

Lab File: VL040002.D

Acq: 13 Dec 2022 8:05

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL2

Tgt Ion: 43 Resp: 1809

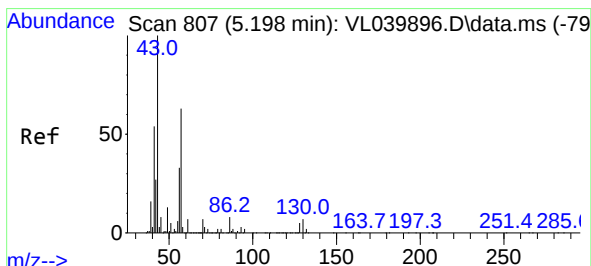
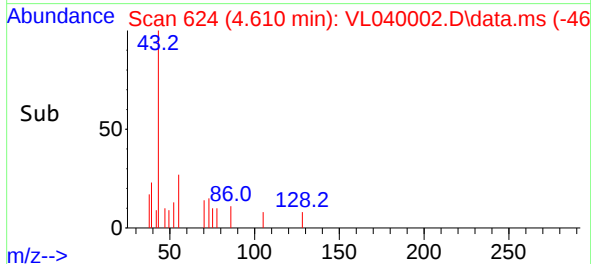
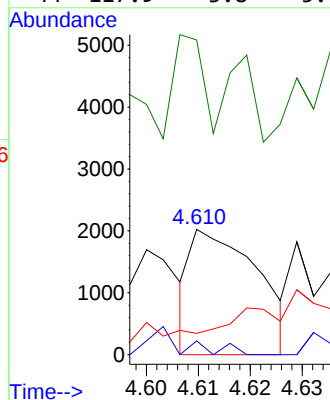
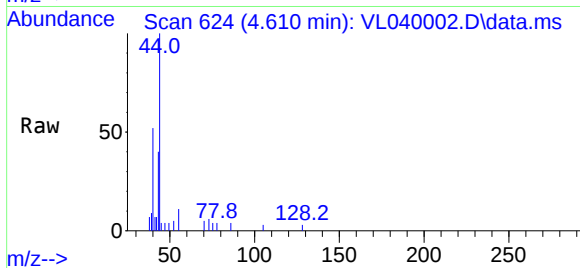
Ion Ratio Lower Upper

43 100

86 19.3 5.0 7.4#

42 0.0 7.6 11.4#

44 117.9 3.8 5.6#



#26

Hexane

Concen: 0.081 ppbv

RT: 5.185 min Scan# 803

Delta R.T. 0.010 min

Lab File: VL040002.D

Acq: 13 Dec 2022 8:05

Tgt Ion: 57 Resp: 6892

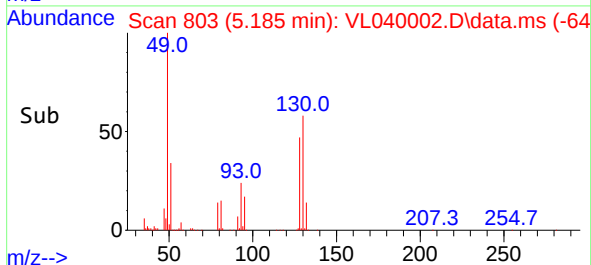
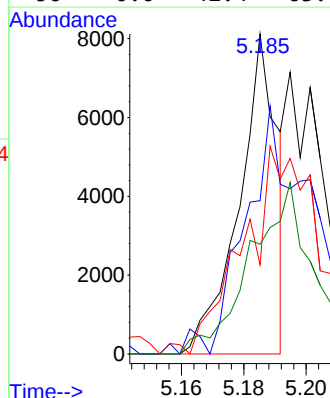
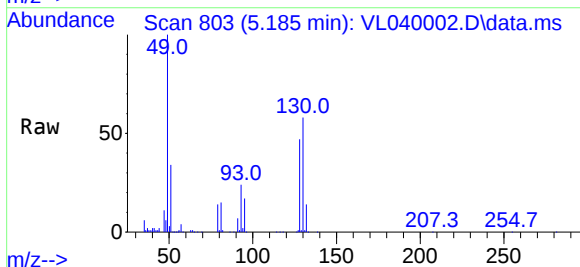
Ion Ratio Lower Upper

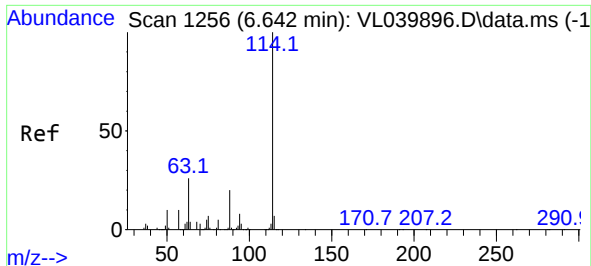
57 100

41 150.9 72.3 108.5#

43 158.7 188.7 283.1#

56 0.0 42.4 63.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 114

Delta R.T. 0.013 min

Lab File: VL040002.D

Acq: 13 Dec 2022 8:05

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL2

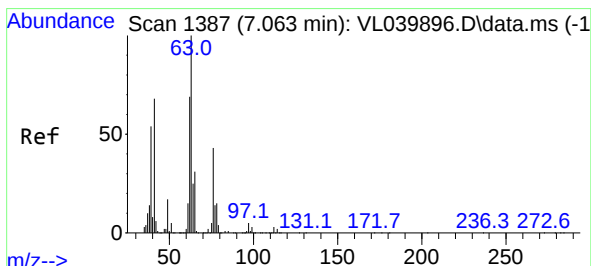
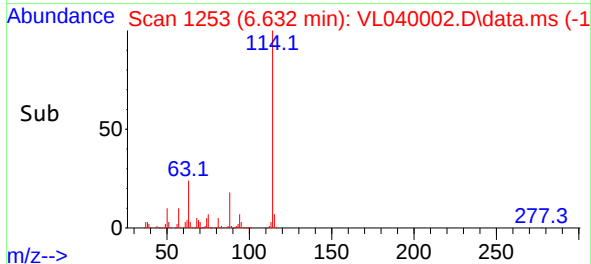
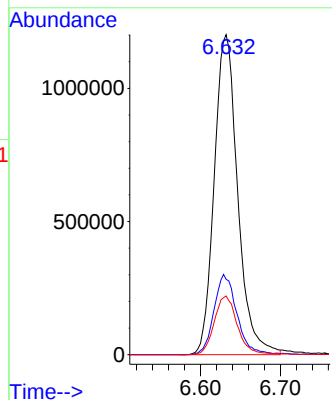
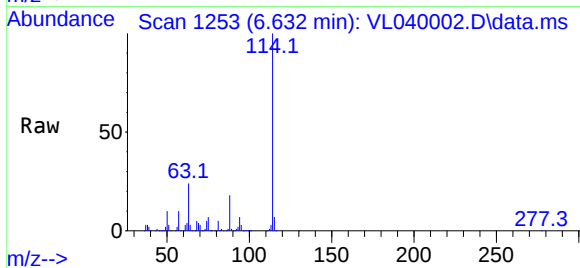
Tgt Ion:114 Resp: 2446504

Ion Ratio Lower Upper

114 100

63 24.8 21.4 32.0

88 18.3 15.3 22.9



#39

1,2-Dichloropropane

Concen: 7.366 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. -0.405 min

Lab File: VL040002.D

Acq: 13 Dec 2022 8:05

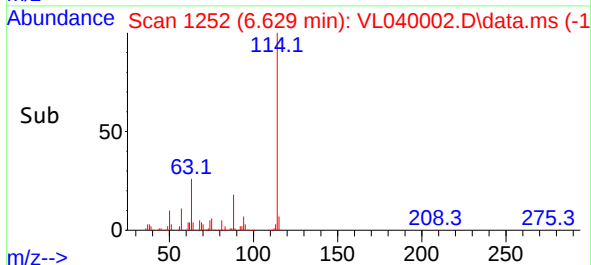
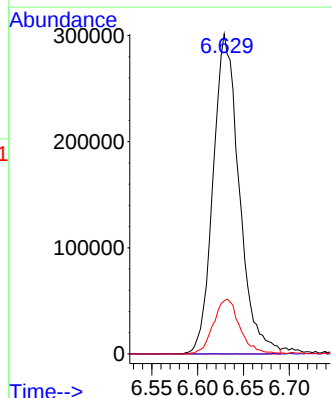
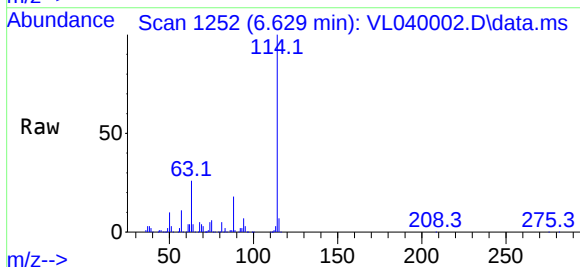
Tgt Ion: 63 Resp: 596830

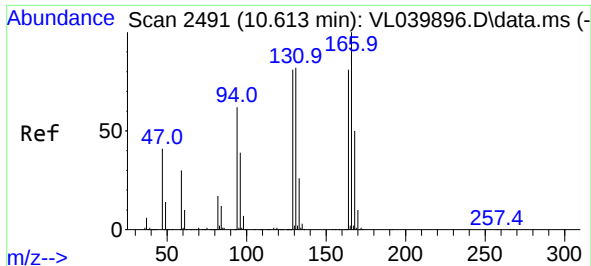
Ion Ratio Lower Upper

63 100

41 0.0 54.7 82.1#

62 16.6 55.0 82.6#

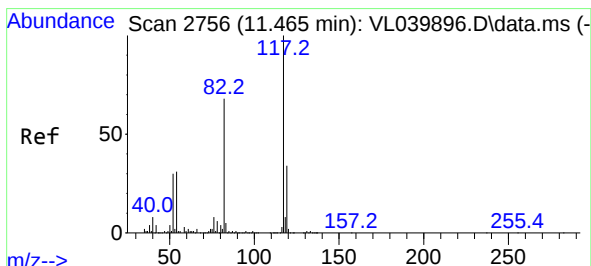
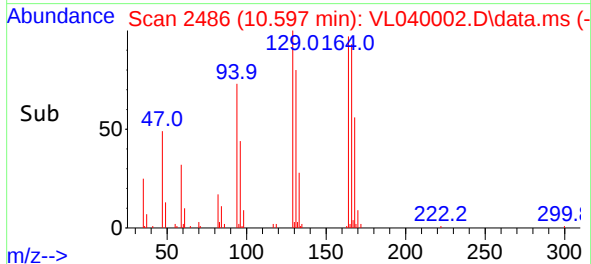
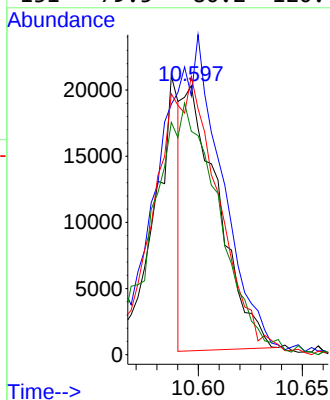
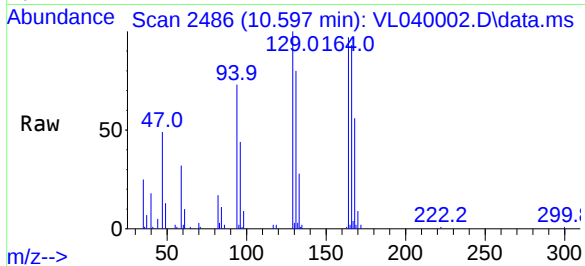




#52
Tetrachloroethene
Concen: 0.311 ppbv
RT: 10.597 min Scan# 2491
Delta R.T. 0.016 min
Lab File: VL040002.D
Acq: 13 Dec 2022 8:05

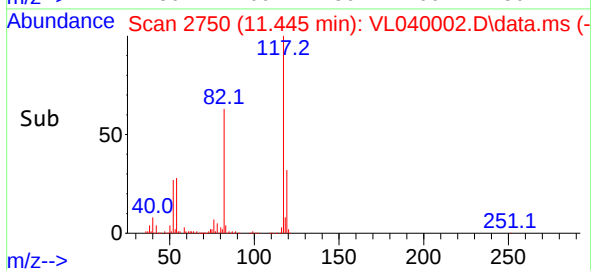
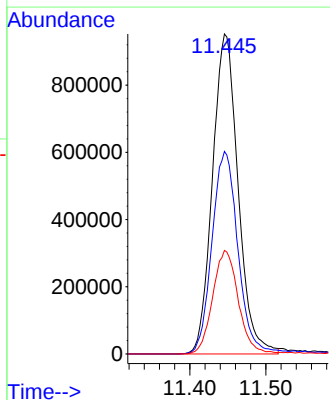
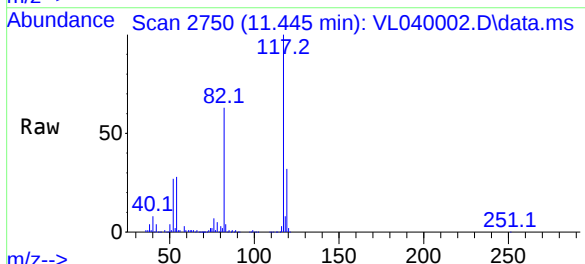
Instrument :
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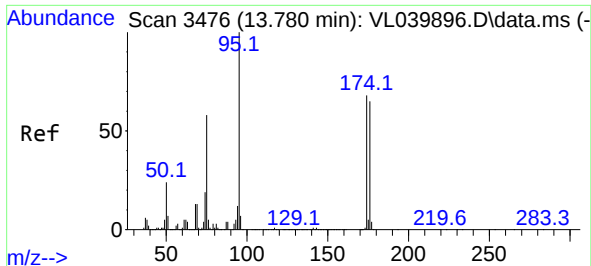
Tgt Ion:164 Resp: 24193
Ion Ratio Lower Upper
164 100
166 95.1 98.3 147.5#
129 102.4 79.7 119.5
131 79.5 80.2 120.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.445 min Scan# 2750
Delta R.T. 0.013 min
Lab File: VL040002.D
Acq: 13 Dec 2022 8:05

Tgt Ion:117 Resp: 2229267
Ion Ratio Lower Upper
117 100
82 65.4 52.3 78.5
119 33.1 25.7 38.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.346 ppbv
 RT: 13.757 min Scan# 34
 Delta R.T. 0.016 min
 Lab File: VL040002.D
 Acq: 13 Dec 2022 8:05

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL2

Tgt Ion: 95 Resp: 1761611

Ion	Ratio	Lower	Upper
95	100		
174	66.3	53.7	80.5
175	4.8	4.0	6.0

