

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041536.D
 Acq On : 12 Aug 2024 14:49
 Operator : SY/MD
 Sample : P3496-06DL2 400X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL2

Quant Time: Aug 13 02:14:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 13 02:09:20 2024
 Response via : Initial Calibration

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

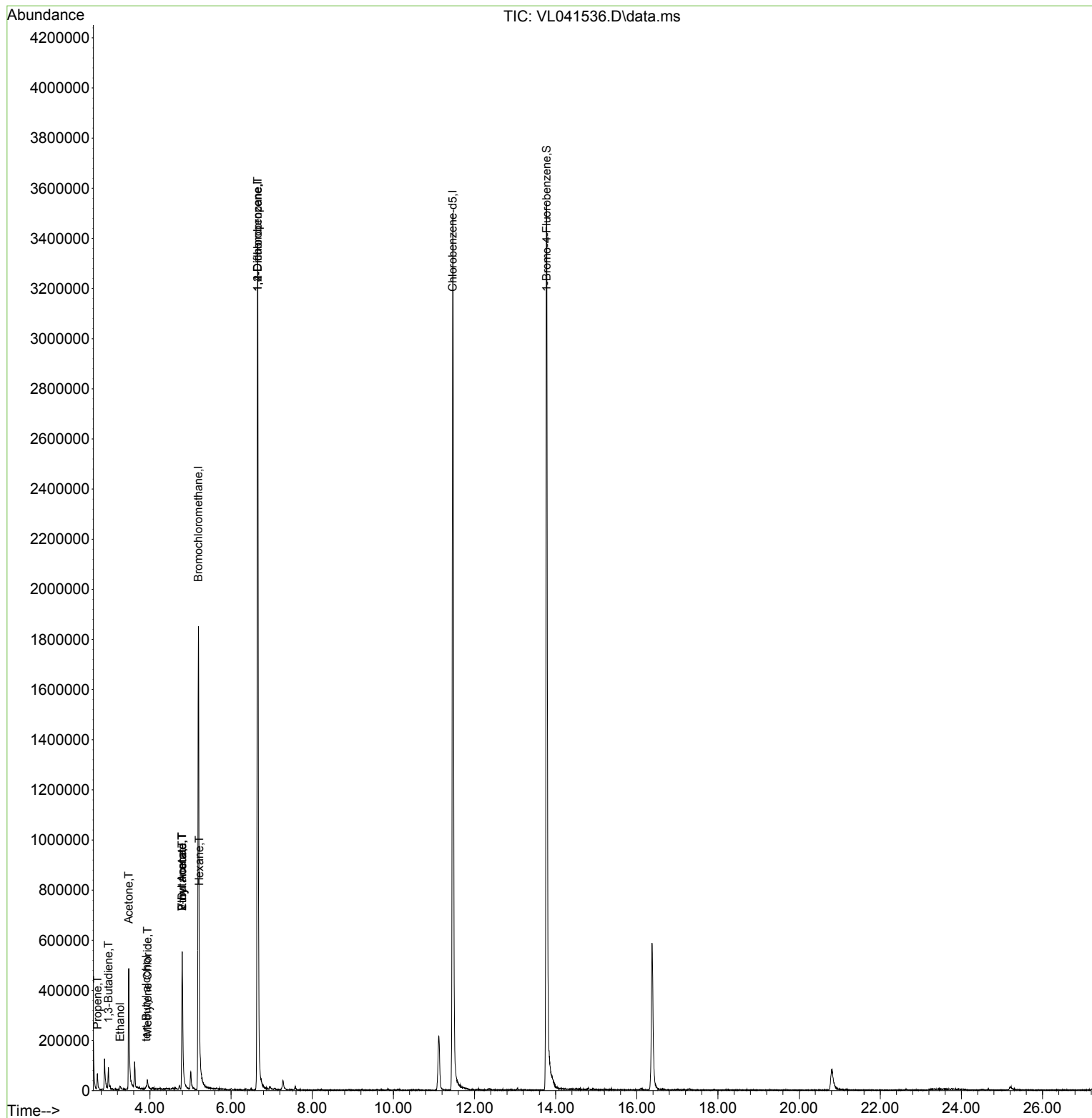
Internal Standards						
1) Bromochloromethane	5.195	49	930755	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2514453	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2314812	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	1737742	9.755	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
					Qvalue	
9) Propene	2.703	41	25618	0.503	ppbv	99
13) Ethanol	3.266	45	11845	2.604	ppbv	66
15) Acetone	3.478	43	522747	4.943	ppbv	93
16) 1,3-Butadiene	2.977	39	18950	0.335	ppbv	# 32
17) tert-Butyl alcohol	3.909	59	5669	0.059	ppbv	# 90
20) Methylene Chloride	3.944	84	10267	0.260	ppbv	86
23) Vinyl Acetate	4.793	43	705545	8.736	ppbv	# 90
25) Ethyl Acetate	4.793	43	705545	3.358	ppbv	# 76
26) Hexane	5.214	57	4775	0.055	ppbv	# 1
34) 2-Butanone	4.793	43	705545	5.801	ppbv	98
39) 1,2-Dichloropropane	6.655	63	614105	8.730	ppbv	# 25

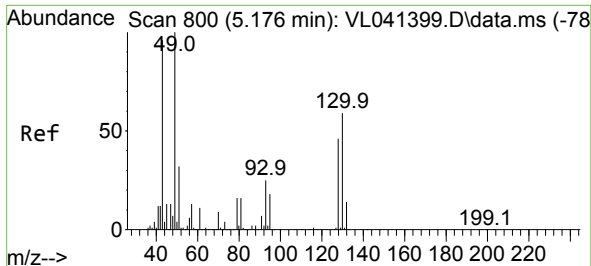
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SV-3DL2

Quant Time: Aug 13 02:14:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Aug 13 02:09:20 2024
Response via : Initial Calibration

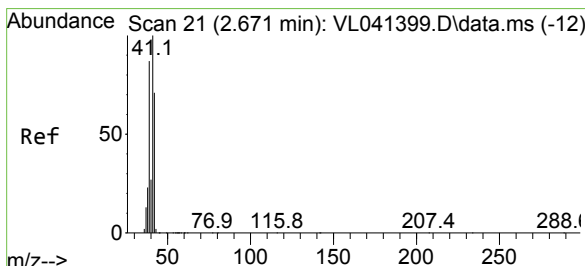
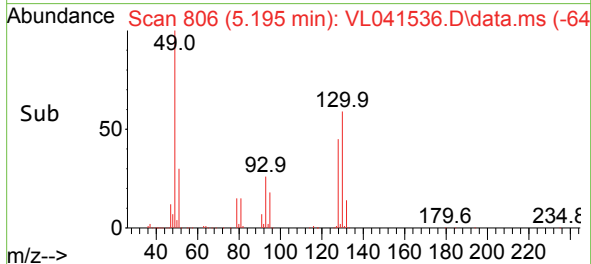
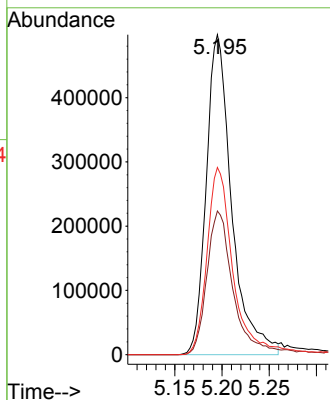
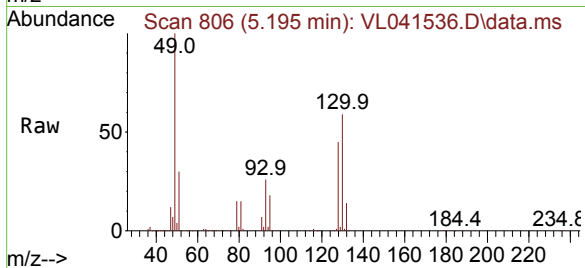




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL041536.D
Acq: 12 Aug 2024 14:49

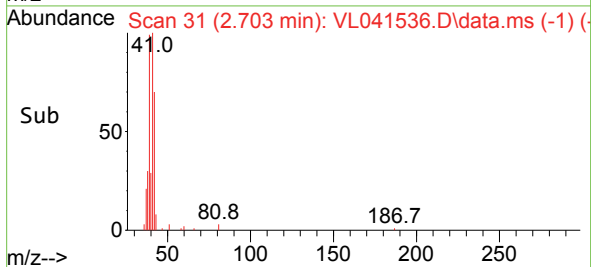
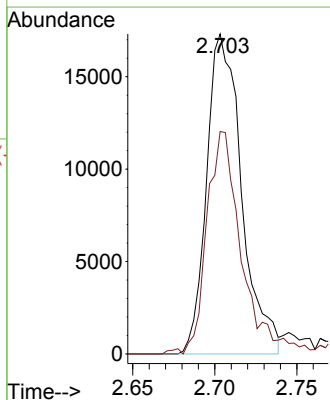
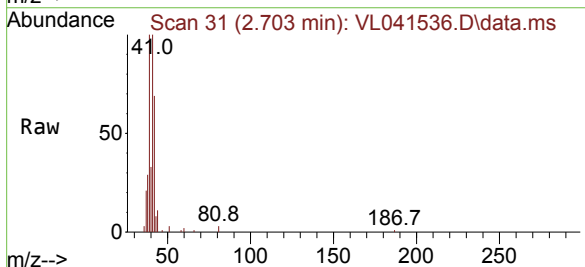
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2

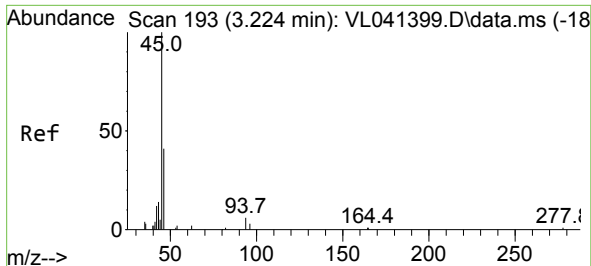
Tgt Ion: 49 Resp: 930755
Ion Ratio Lower Upper
49 100
128 48.7 23.8 71.4
130 62.5 30.8 92.4



#9
Propene
Concen: 0.503 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL041536.D
Acq: 12 Aug 2024 14:49

Tgt Ion: 41 Resp: 25618
Ion Ratio Lower Upper
41 100
42 69.2 55.9 83.9

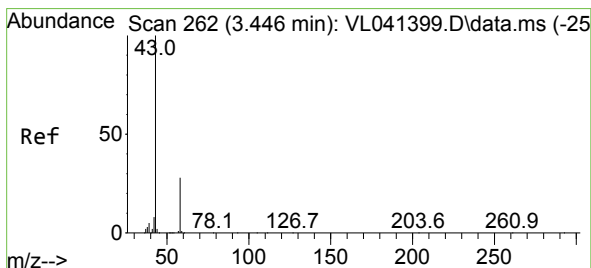
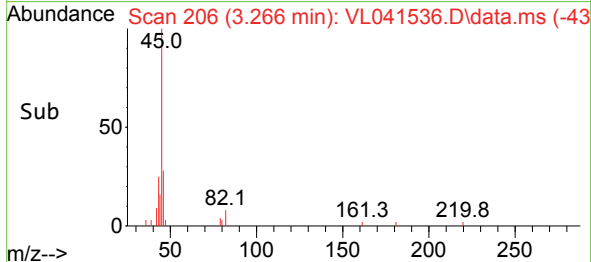
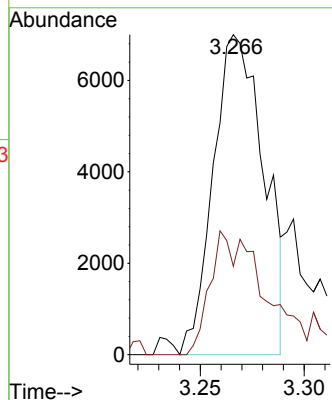
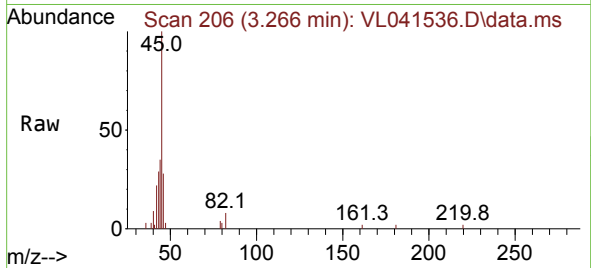




#13
 Ethanol
 Concen: 2.604 ppbv
 RT: 3.266 min Scan# 206
 Delta R.T. 0.023 min
 Lab File: VL041536.D
 Acq: 12 Aug 2024 14:49

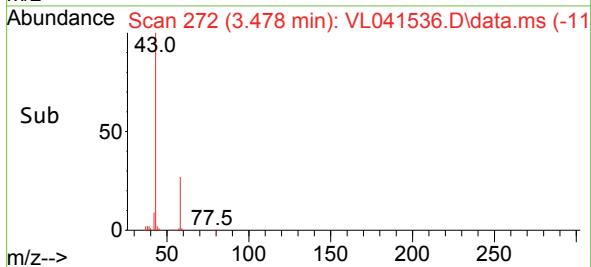
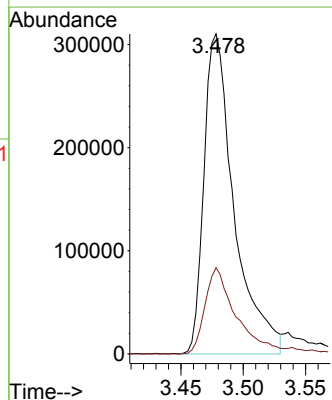
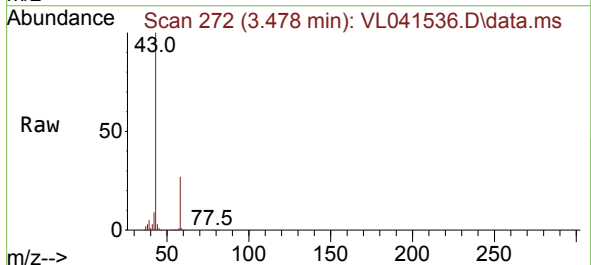
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL2

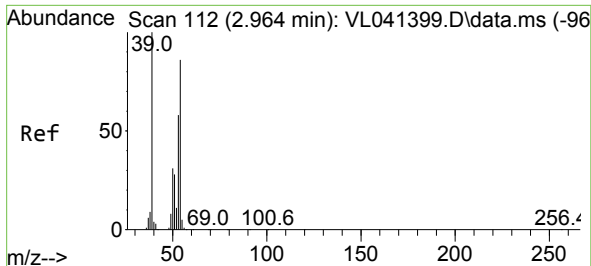
Tgt Ion: 45 Resp: 11845
 Ion Ratio Lower Upper
 45 100
 46 53.0 13.4 53.4



#15
 Acetone
 Concen: 4.943 ppbv
 RT: 3.478 min Scan# 272
 Delta R.T. 0.010 min
 Lab File: VL041536.D
 Acq: 12 Aug 2024 14:49

Tgt Ion: 43 Resp: 522747
 Ion Ratio Lower Upper
 43 100
 58 30.5 21.4 32.2

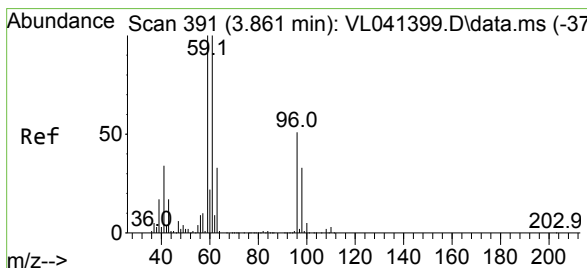
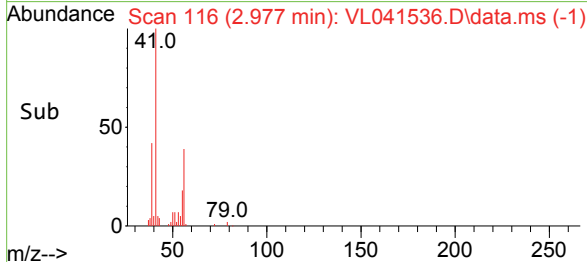
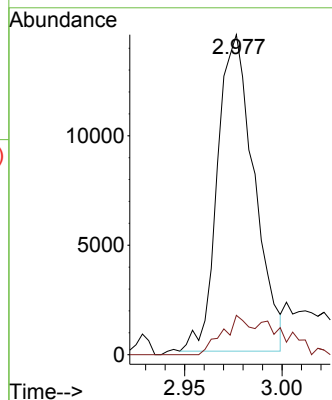
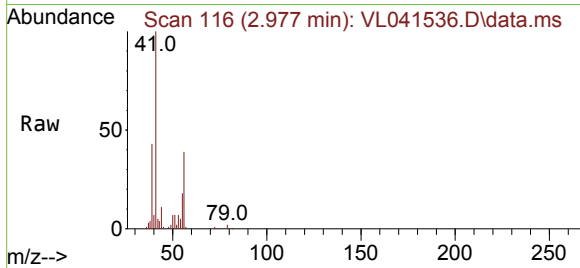




#16
1,3-Butadiene
Concen: 0.335 ppbv
RT: 2.977 min Scan# 116
Delta R.T. -0.009 min
Lab File: VL041536.D
Acq: 12 Aug 2024 14:49

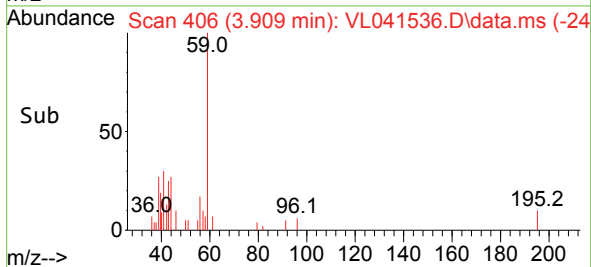
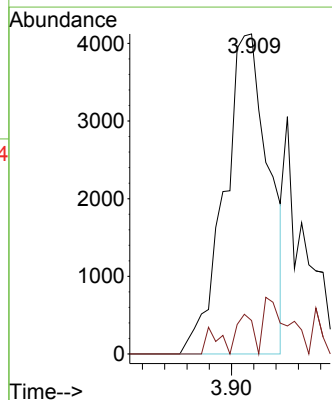
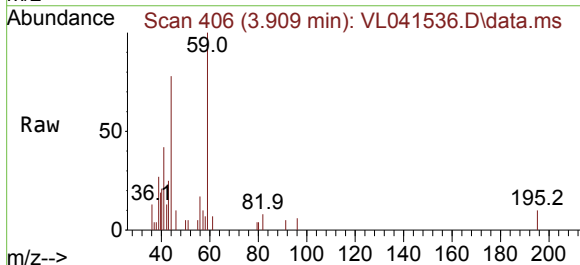
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2

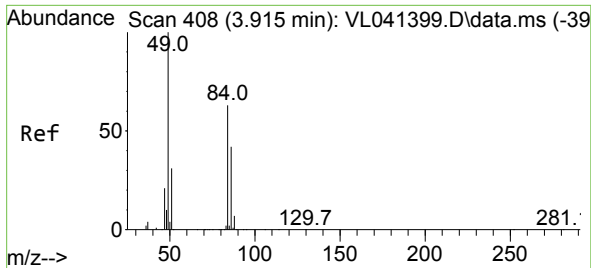
Tgt Ion: 39 Resp: 18950
Ion Ratio Lower Upper
39 100
54 18.9 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 0.059 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.032 min
Lab File: VL041536.D
Acq: 12 Aug 2024 14:49

Tgt Ion: 59 Resp: 5669
Ion Ratio Lower Upper
59 100
57 7.0 8.6 12.8#



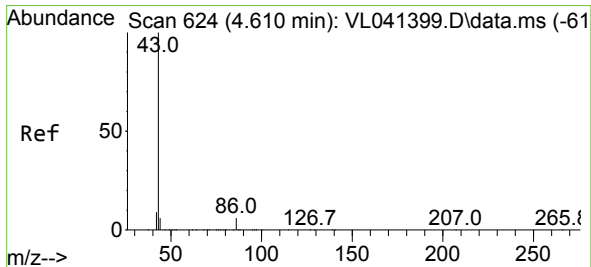
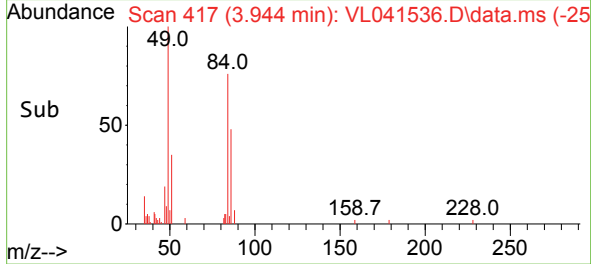
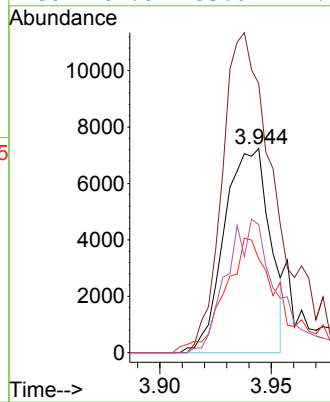
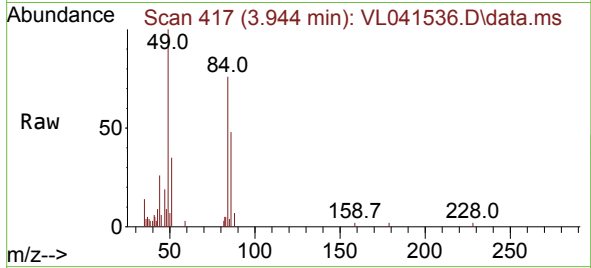


#20
Methylene Chloride
Concen: 0.260 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.013 min
Lab File: VL041536.D
Acq: 12 Aug 2024 14:49

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2

Tgt Ion: 84 Resp: 10267

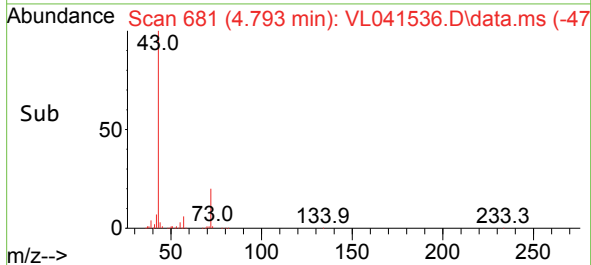
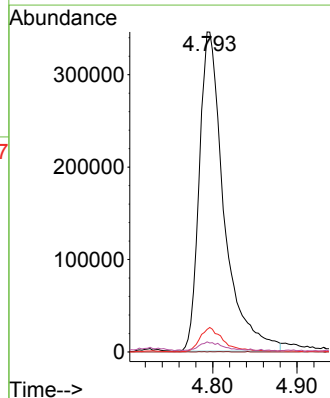
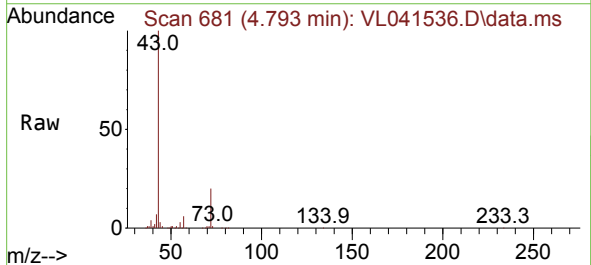
Ion	Ratio	Lower	Upper
84	100		
49	131.7	126.6	190.0
51	42.9	38.6	58.0
86	62.6	53.0	79.4

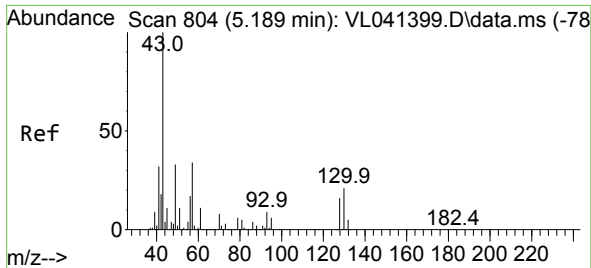


#23
Vinyl Acetate
Concen: 8.736 ppbv
RT: 4.793 min Scan# 681
Delta R.T. 0.167 min
Lab File: VL041536.D
Acq: 12 Aug 2024 14:49

Tgt Ion: 43 Resp: 705545

Ion	Ratio	Lower	Upper
43	100		
86	0.0	4.6	6.8#
42	7.0	7.9	11.9#
44	2.7	4.2	6.4#

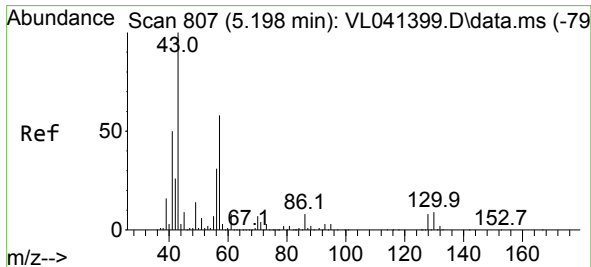
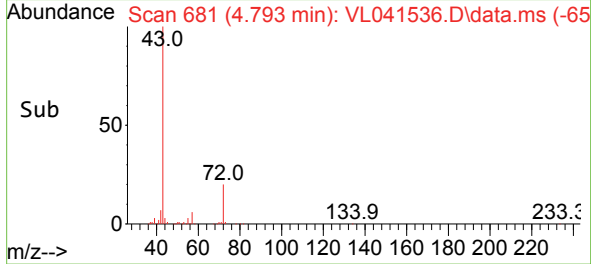
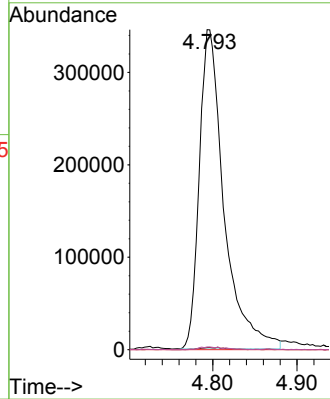
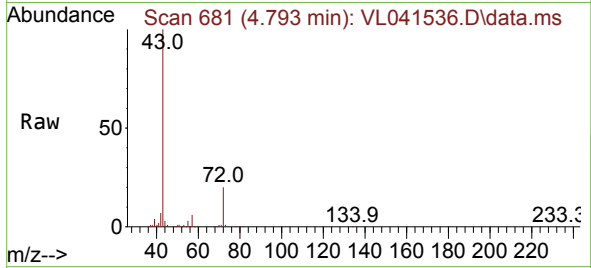




#25
Ethyl Acetate
Concen: 3.358 ppbv
RT: 4.793 min Scan# 61
Delta R.T. -0.408 min
Lab File: VL041536.D
Acq: 12 Aug 2024 14:49

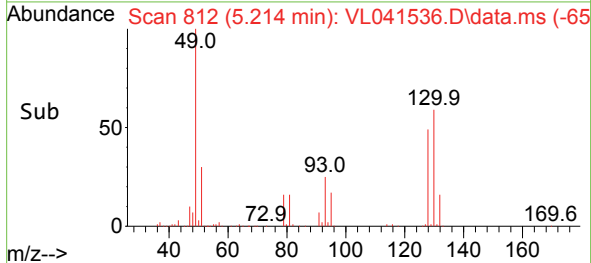
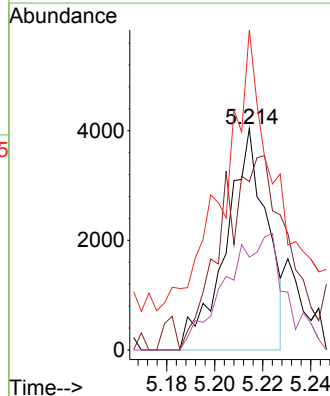
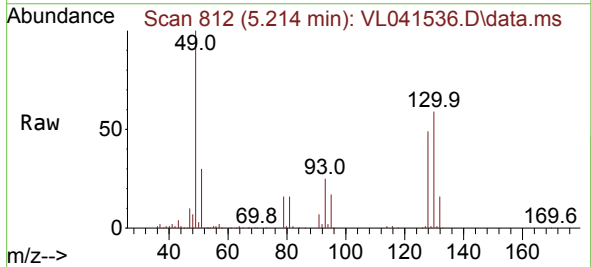
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2

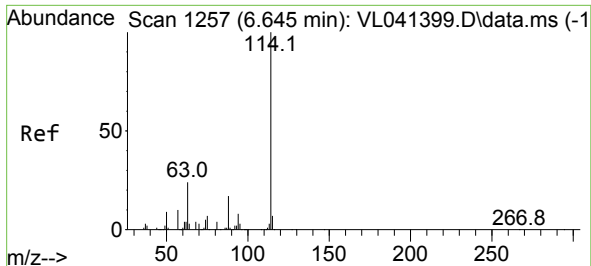
Tgt Ion:	43	Resp:	705545
Ion	Ratio	Lower	Upper
43	100		
45	0.8	8.5	12.7#
61	0.0	8.0	12.0#
70	0.9	5.9	8.9#



#26
Hexane
Concen: 0.055 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL041536.D
Acq: 12 Aug 2024 14:49

Tgt Ion:	57	Resp:	4775
Ion	Ratio	Lower	Upper
57	100		
41	162.1	74.0	111.0#
43	0.0	193.6	290.4#
56	80.4	43.1	64.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041536.D

Acq: 12 Aug 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL2

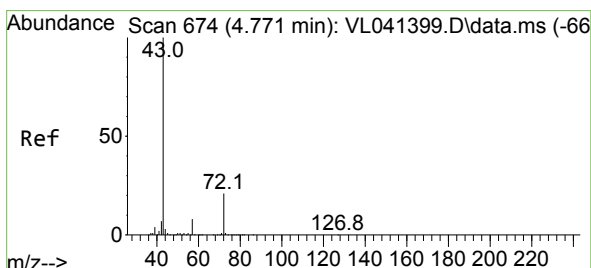
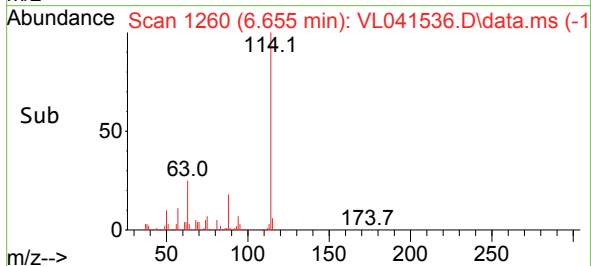
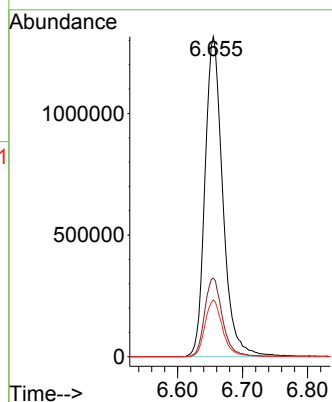
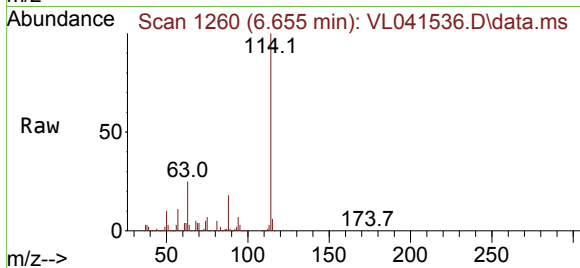
Tgt Ion:114 Resp: 2514453

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.7 14.3 21.5



#34

2-Butanone

Concen: 5.801 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.010 min

Lab File: VL041536.D

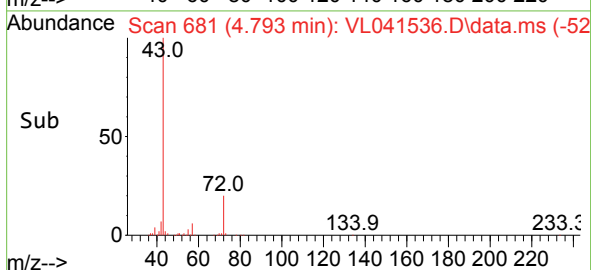
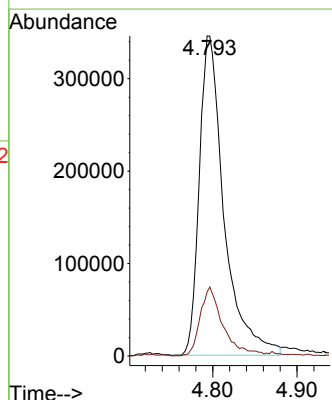
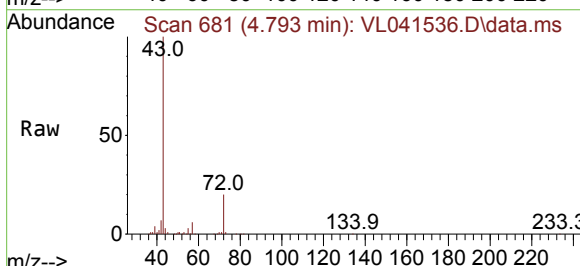
Acq: 12 Aug 2024 14:49

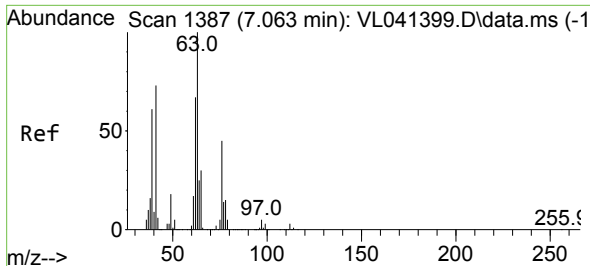
Tgt Ion: 43 Resp: 705545

Ion Ratio Lower Upper

43 100

72 20.8 17.3 25.9





#39

1,2-Dichloropropane

Concen: 8.730 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.418 min

Lab File: VL041536.D

Acq: 12 Aug 2024 14:49

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL2

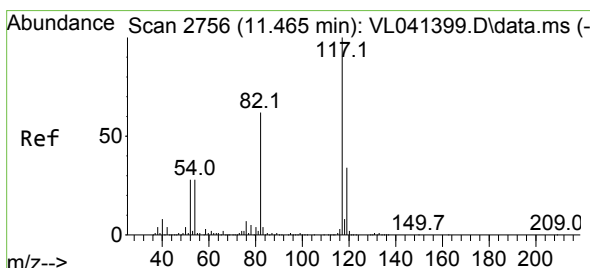
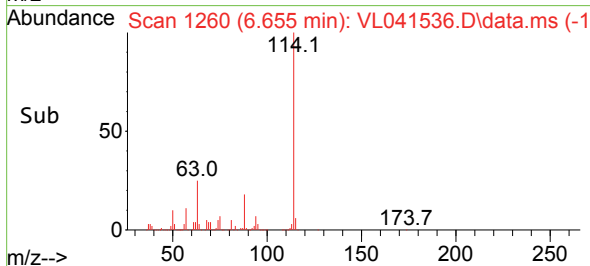
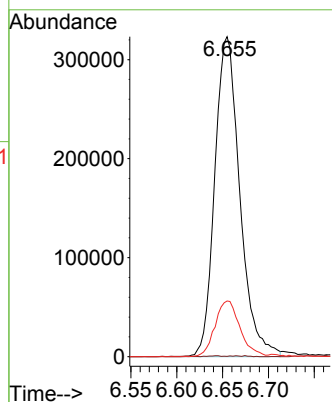
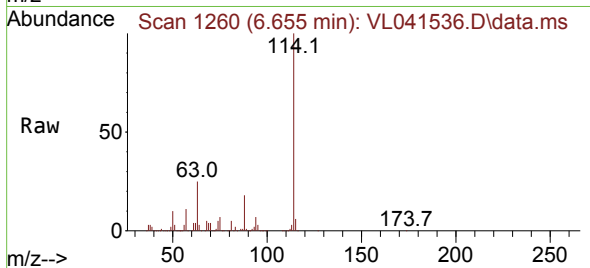
Tgt Ion: 63 Resp: 614105

Ion Ratio Lower Upper

63 100

41 0.1 58.3 87.5#

62 17.4 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.000 min

Lab File: VL041536.D

Acq: 12 Aug 2024 14:49

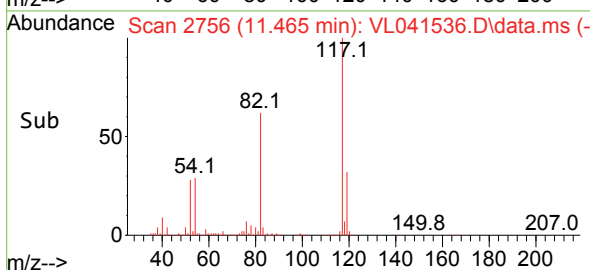
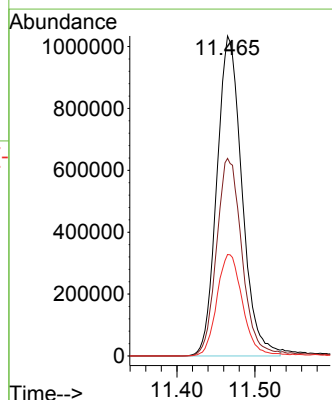
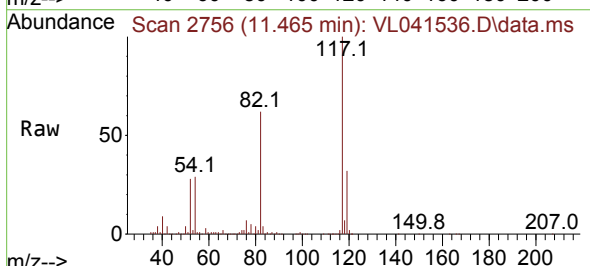
Tgt Ion: 117 Resp: 2314812

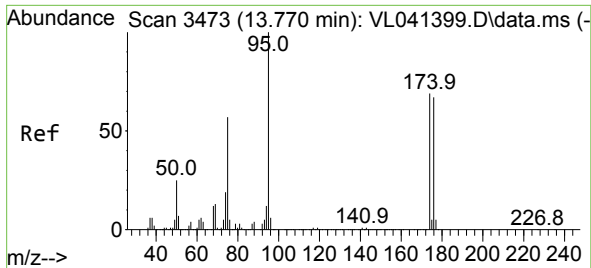
Ion Ratio Lower Upper

117 100

82 64.3 51.0 76.6

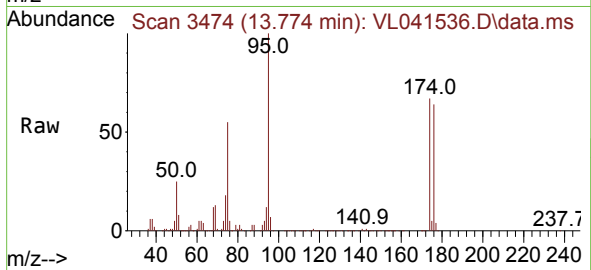
119 33.1 45.2 67.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.755 ppbv
RT: 13.774 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL041536.D
Acq: 12 Aug 2024 14:49

Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2



Tgt Ion: 95 Resp: 1737742
Ion Ratio Lower Upper
95 100
174 71.6 56.3 84.5
175 5.0 4.0 6.0

