

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
 Data File : VL041567.D
 Acq On : 21 Aug 2024 14:31
 Operator : SY/MD
 Sample : P3679-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 22 01:12:22 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 : Thu Aug 22 01:05:17 2024
 Response via : Initial Calibration

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

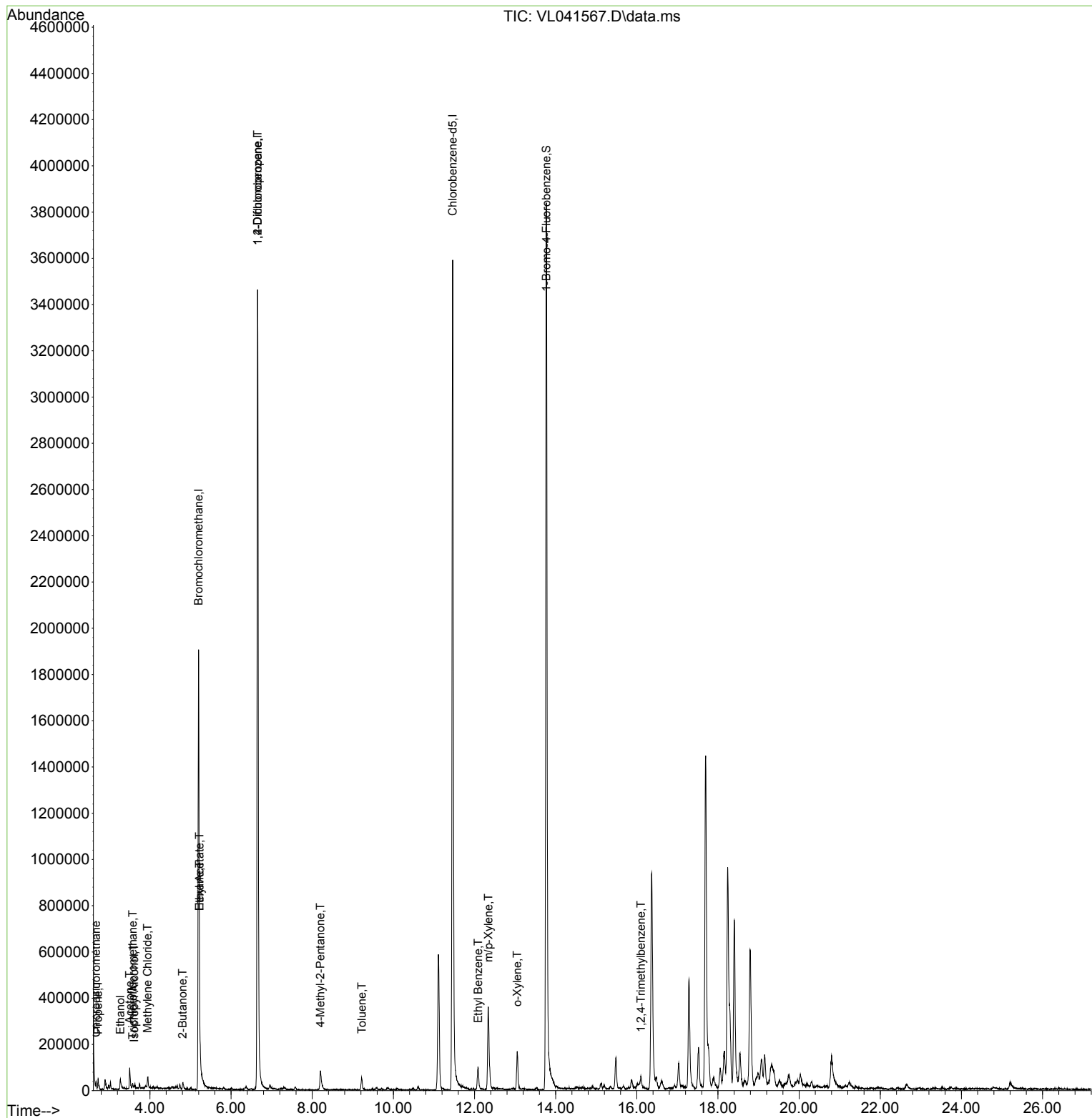
Internal Standards						
1) Bromochloromethane	5.198	49	1026033	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2696570	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2445840	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1885021	10.015	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.671	51	22687	0.186	ppbv #	68
9) Propene	2.722	41	13889	0.248	ppbv #	74
11) Trichlorofluoromethane	3.578	101	9616	0.061	ppbv #	77
13) Ethanol	3.272	45	47223	9.416	ppbv	87
15) Acetone	3.501	43	78096	0.670	ppbv #	89
19) Isopropyl Alcohol	3.610	45	7515	0.110	ppbv #	26
20) Methylene Chloride	3.944	84	13879	0.319	ppbv	87
25) Ethyl Acetate	5.221	43	16021	0.069	ppbv #	87
26) Hexane	5.221	57	12506	0.130	ppbv #	38
34) 2-Butanone	4.806	43	12537	0.096	ppbv #	54
39) 1,2-Dichloropropane	6.655	63	670484	8.888	ppbv #	26
50) 4-Methyl-2-Pentanone	8.201	43	32691	0.159	ppbv #	40
53) Toluene	9.221	91	35727	0.163	ppbv	91
58) Ethyl Benzene	12.092	91	29271	0.104	ppbv	98
59) m/p-Xylene	12.339	91	189286	0.778	ppbv #	48
60) o-Xylene	13.053	91	122071	0.530	ppbv	99
74) 1,2,4-Trimethylbenzene	16.101	105	21423	0.079	ppbv #	63

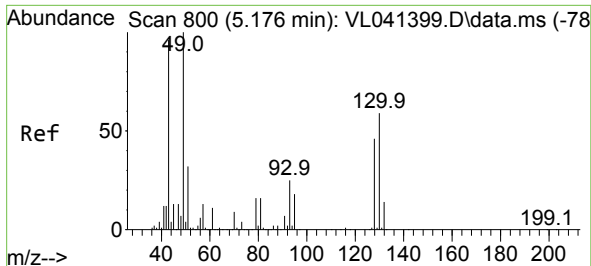
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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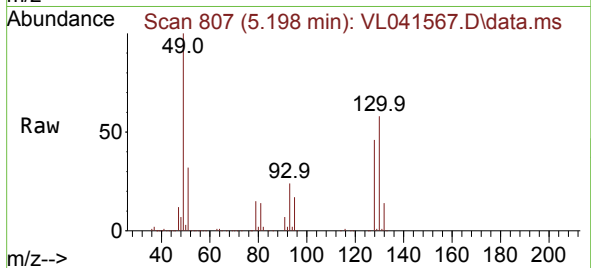
Quant Time: Aug 22 01:12:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
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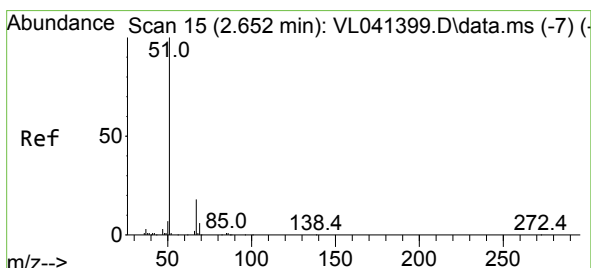
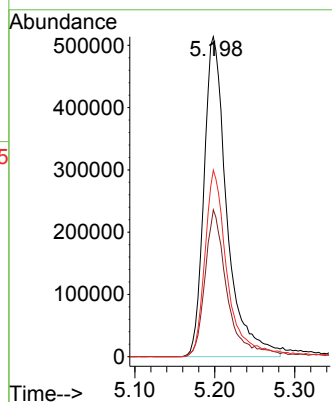
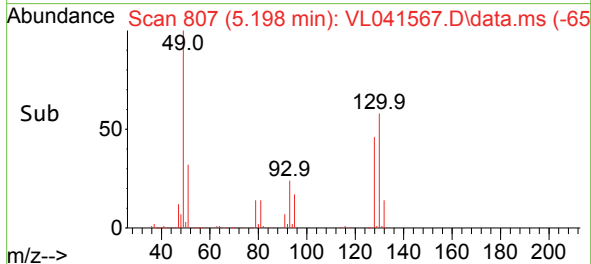


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041567.D
Acq: 21 Aug 2024 14:31

Instrument :
MSVOA_L
ClientSampleId :

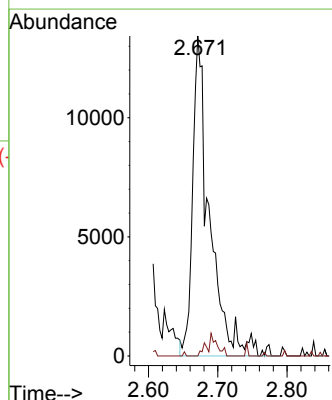
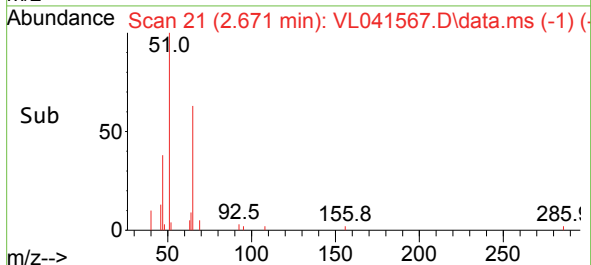
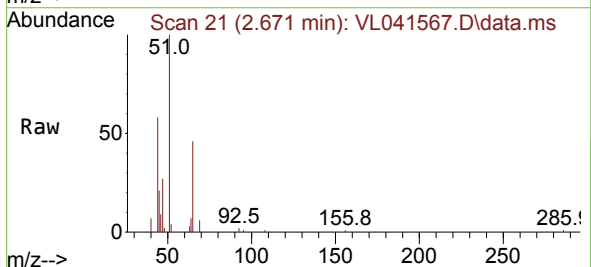


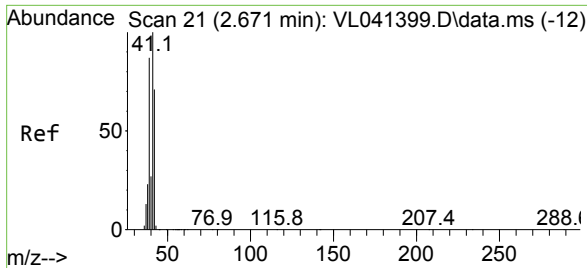
Tgt Ion: 49 Resp: 1026033
Ion Ratio Lower Upper
49 100
128 45.8 23.8 71.4
130 58.8 30.8 92.4



#3
Chlorodifluoromethane
Concen: 0.186 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL041567.D
Acq: 21 Aug 2024 14:31

Tgt Ion: 51 Resp: 22687
Ion Ratio Lower Upper
51 100
67 4.1 14.5 21.7#

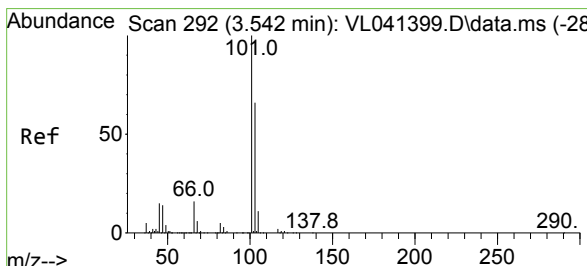
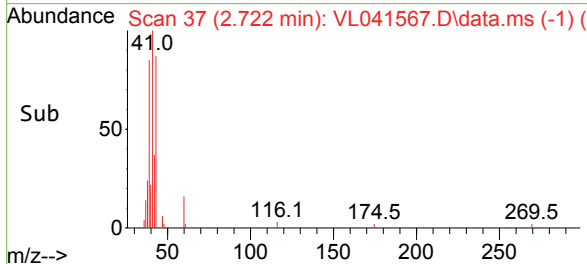
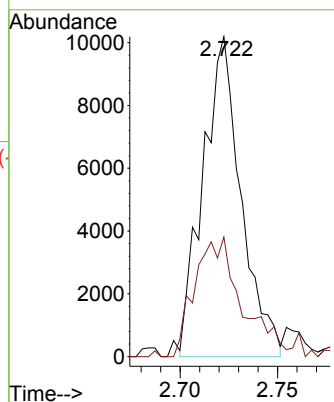
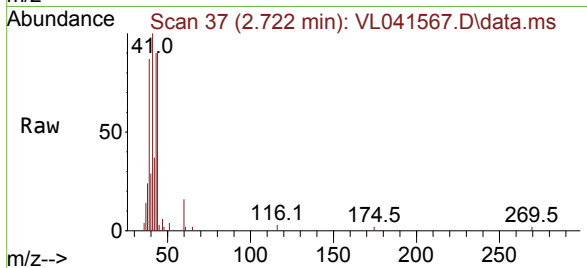




#9
Propene
Concen: 0.248 ppbv
RT: 2.722 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041567.D
Acq: 21 Aug 2024 14:31

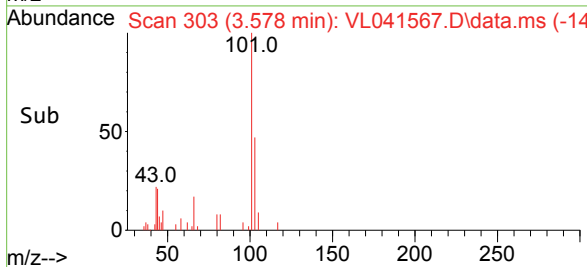
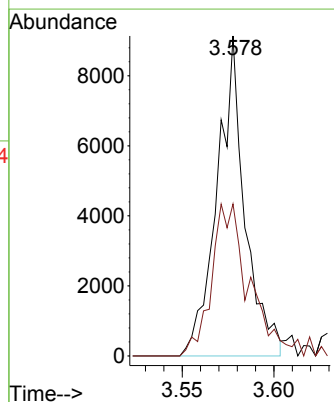
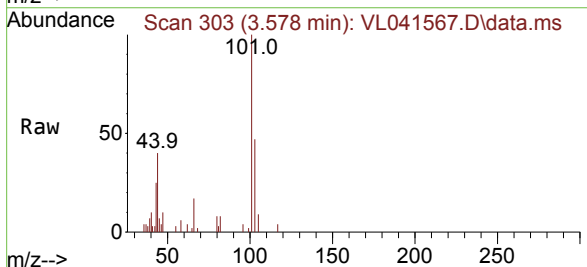
Instrument :
MSVOA_L
ClientSampleId :

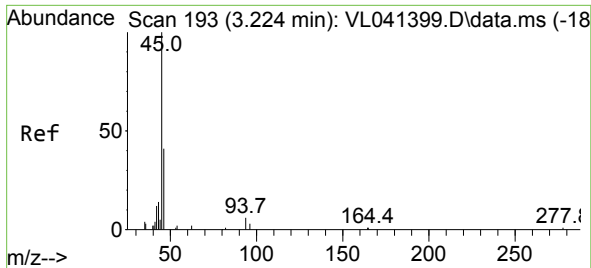
Tgt Ion: 41 Resp: 13889
Ion Ratio Lower Upper
41 100
42 48.3 55.9 83.9#



#11
Trichlorofluoromethane
Concen: 0.061 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.006 min
Lab File: VL041567.D
Acq: 21 Aug 2024 14:31

Tgt Ion:101 Resp: 9616
Ion Ratio Lower Upper
101 100
103 47.5 52.6 79.0#

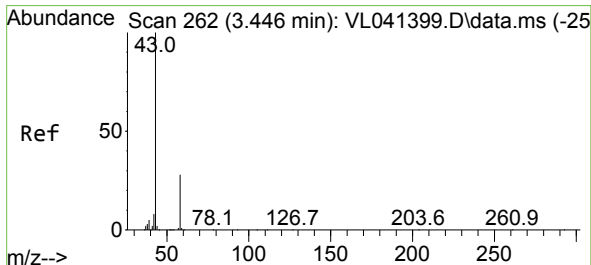
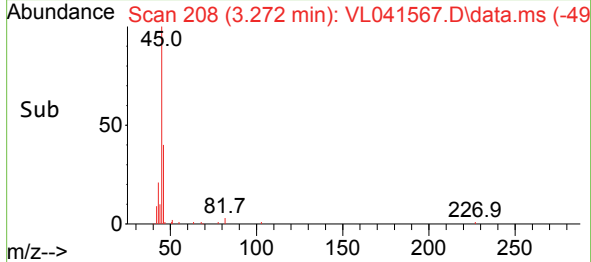
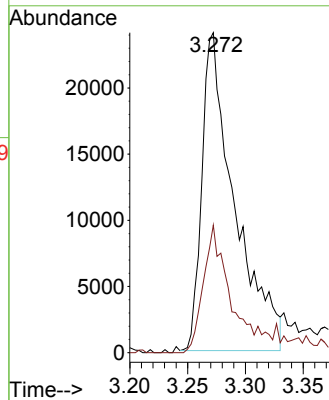
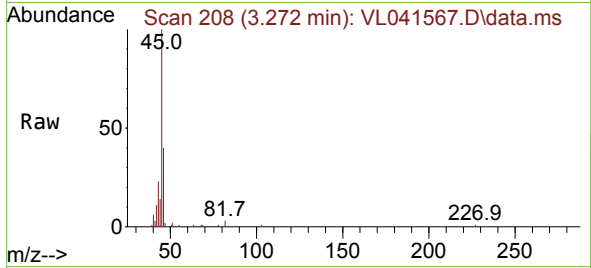




#13
 Ethanol
 Concen: 9.416 ppbv
 RT: 3.272 min Scan# 208
 Delta R.T. 0.013 min
 Lab File: VL041567.D
 Acq: 21 Aug 2024 14:31

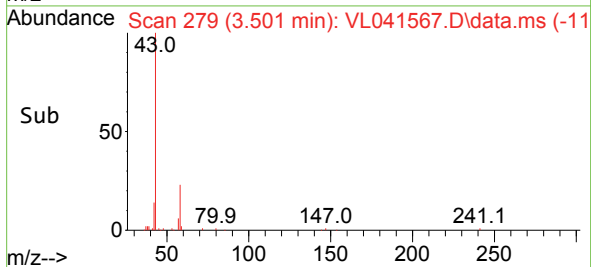
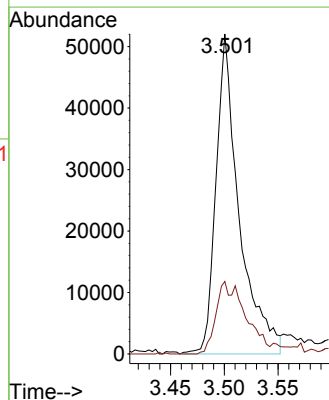
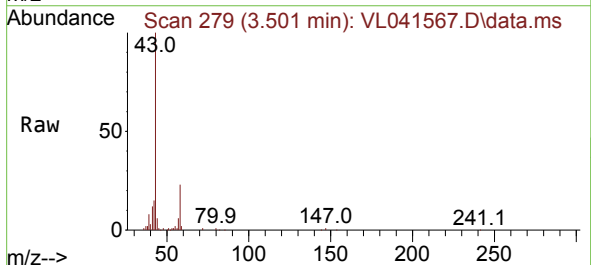
Instrument :
 MSVOA_L
 ClientSampleId :

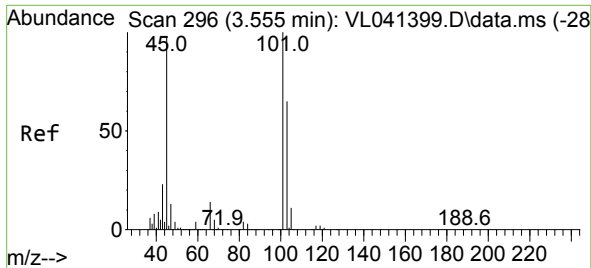
Tgt Ion: 45 Resp: 47223
 Ion Ratio Lower Upper
 45 100
 46 40.6 13.4 53.4



#15
 Acetone
 Concen: 0.670 ppbv
 RT: 3.501 min Scan# 279
 Delta R.T. 0.022 min
 Lab File: VL041567.D
 Acq: 21 Aug 2024 14:31

Tgt Ion: 43 Resp: 78096
 Ion Ratio Lower Upper
 43 100
 58 32.6 21.4 32.2#





#19

Isopropyl Alcohol

Concen: 0.110 ppbv

RT: 3.610 min Scan# 313

Delta R.T. 0.026 min

Lab File: VL041567.D

Acq: 21 Aug 2024 14:31

Instrument :

MSVOA_L

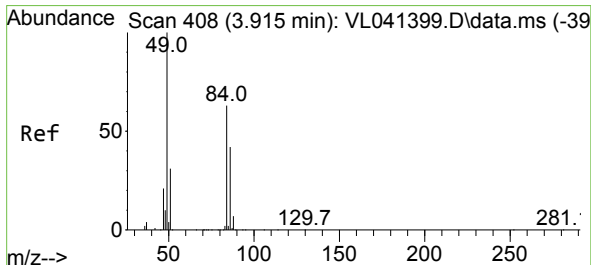
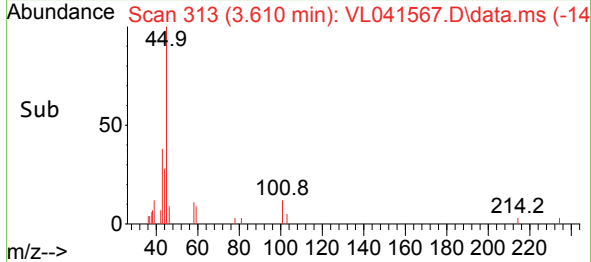
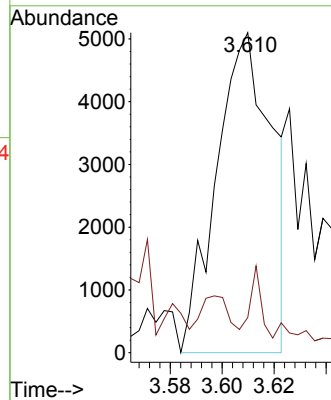
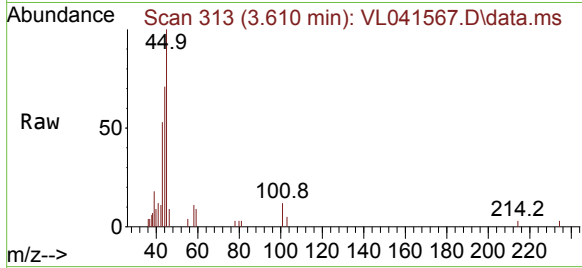
ClientSampleId :

Tgt Ion: 45 Resp: 7515

Ion Ratio Lower Upper

45 100

58 27.6 1.9 2.9#



#20

Methylene Chloride

Concen: 0.319 ppbv

RT: 3.944 min Scan# 417

Delta R.T. 0.003 min

Lab File: VL041567.D

Acq: 21 Aug 2024 14:31

Tgt Ion: 84 Resp: 13879

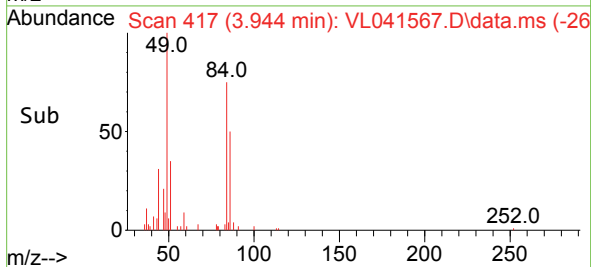
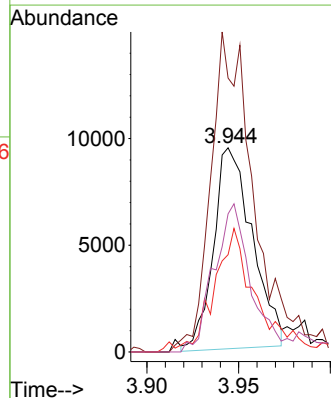
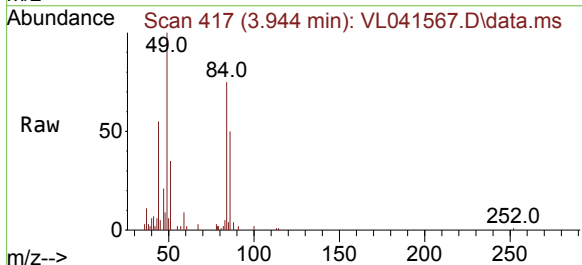
Ion Ratio Lower Upper

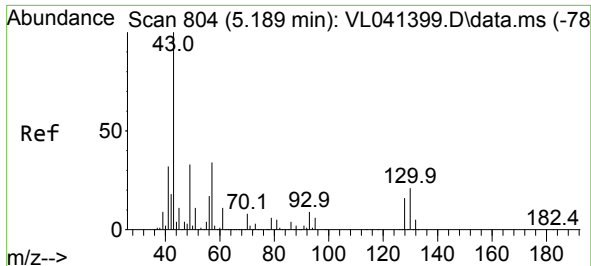
84 100

49 132.3 126.6 190.0

51 45.6 38.6 58.0

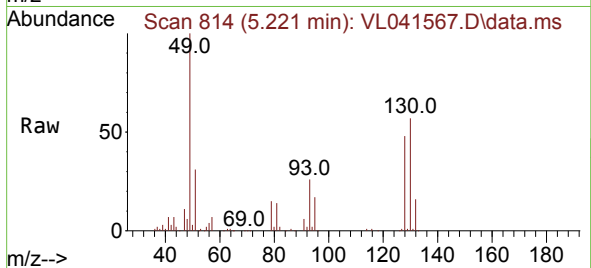
86 69.7 53.0 79.4



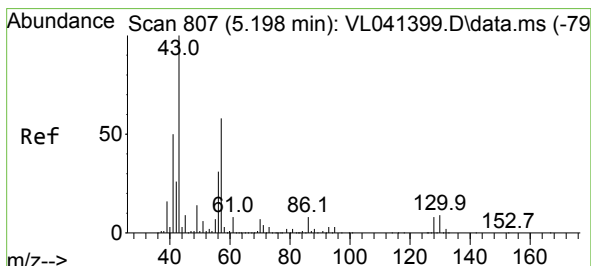
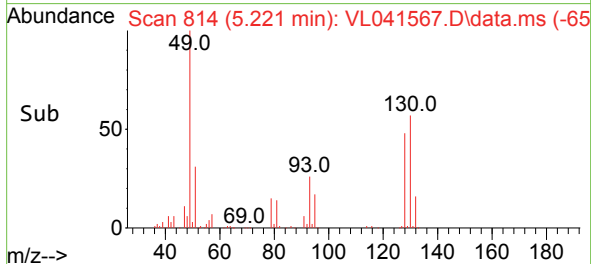
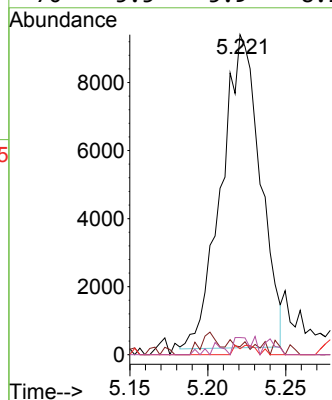


#25
Ethyl Acetate
Concen: 0.069 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL041567.D
Acq: 21 Aug 2024 14:31

Instrument :
MSVOA_L
ClientSampleId :

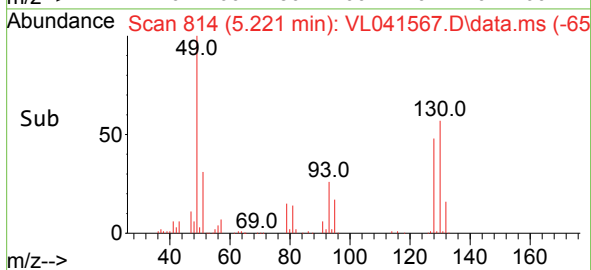
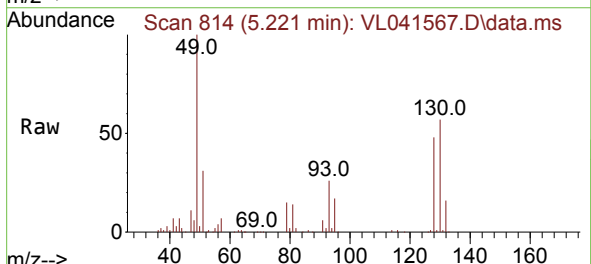
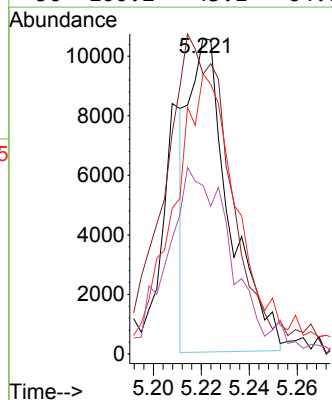


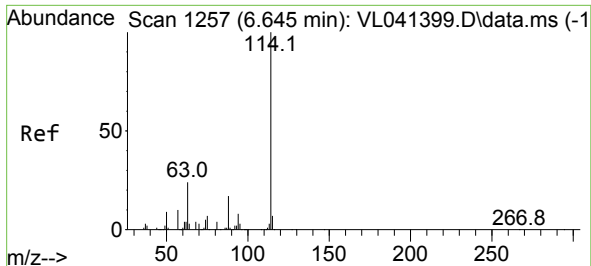
Tgt Ion: 43	Resp: 16021
Ion Ratio	Lower Upper
43 100	
45 6.8	8.5 12.7#
61 1.6	8.0 12.0#
70 5.5	5.9 8.9#



#26
Hexane
Concen: 0.130 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL041567.D
Acq: 21 Aug 2024 14:31

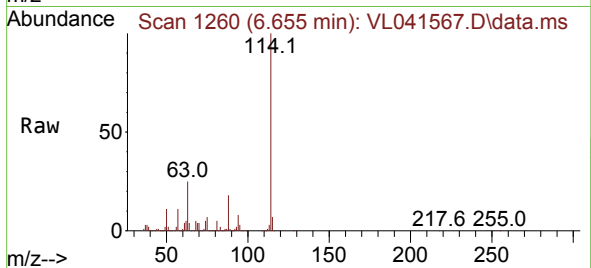
Tgt Ion: 57	Resp: 12506
Ion Ratio	Lower Upper
57 100	
41 176.5	74.0 111.0#
43 153.4	193.6 290.4#
56 100.2	43.1 64.7#



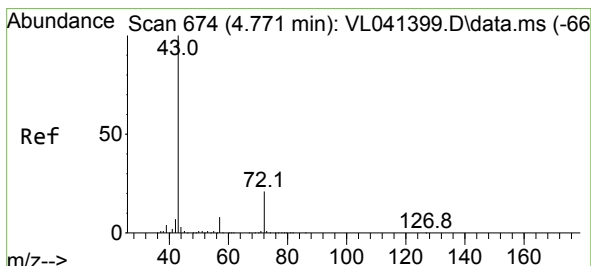
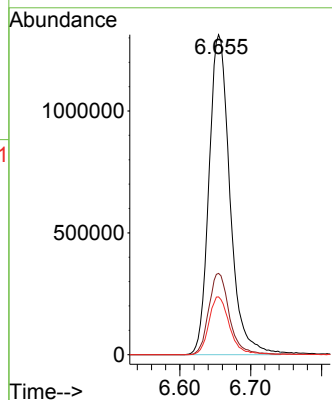
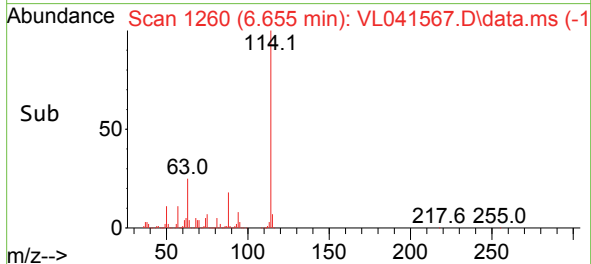


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 114
Delta R.T. -0.000 min
Lab File: VL041567.D
Acq: 21 Aug 2024 14:31

Instrument :
MSVOA_L
ClientSampleId :

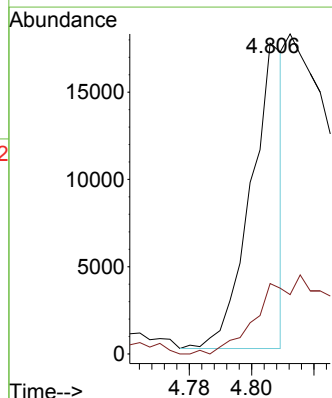
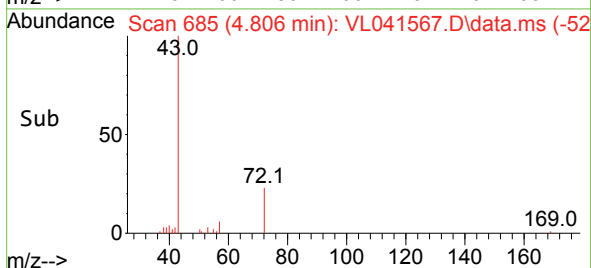
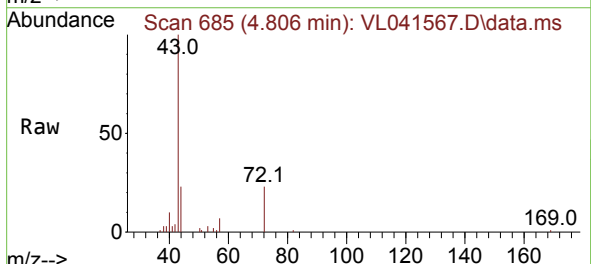


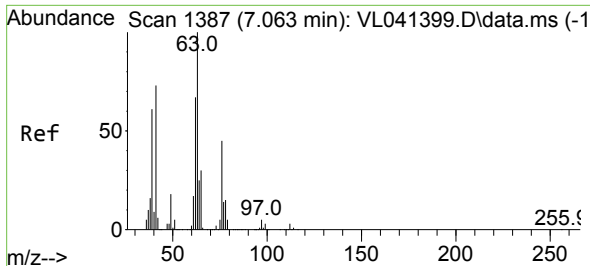
Tgt Ion:114 Resp: 2696570
Ion Ratio Lower Upper
114 100
63 25.5 20.3 30.5
88 18.0 14.3 21.5



#34
2-Butanone
Concen: 0.096 ppbv
RT: 4.806 min Scan# 685
Delta R.T. 0.013 min
Lab File: VL041567.D
Acq: 21 Aug 2024 14:31

Tgt Ion: 43 Resp: 12537
Ion Ratio Lower Upper
43 100
72 0.0 17.3 25.9#





#39

1,2-Dichloropropane

Concen: 8.888 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.421 min

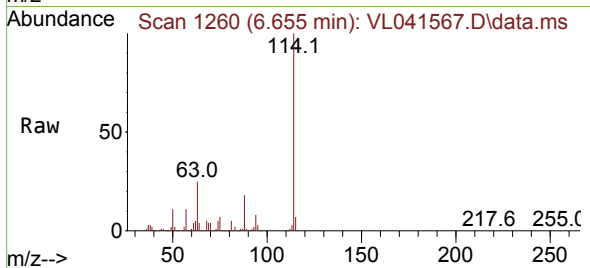
Lab File: VL041567.D

Acq: 21 Aug 2024 14:31

Instrument :

MSVOA_L

ClientSampleId :



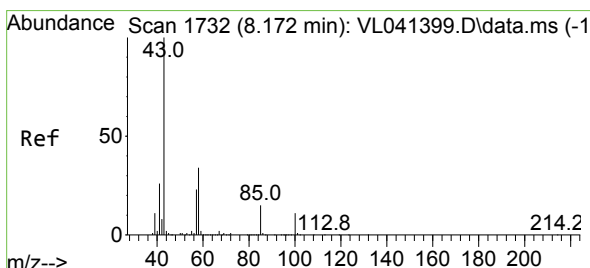
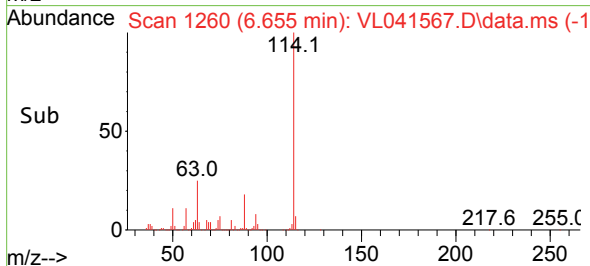
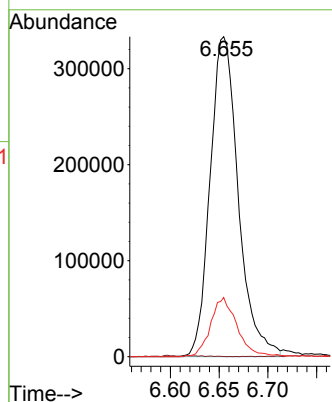
Tgt Ion: 63 Resp: 670484

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 18.5 53.9 80.9#



#50

4-Methyl-2-Pentanone

Concen: 0.159 ppbv

RT: 8.201 min Scan# 1741

Delta R.T. 0.019 min

Lab File: VL041567.D

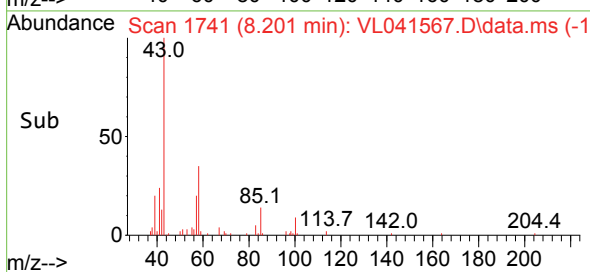
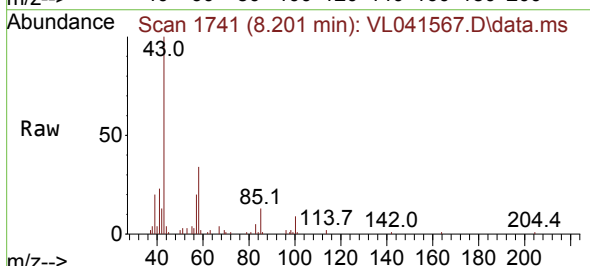
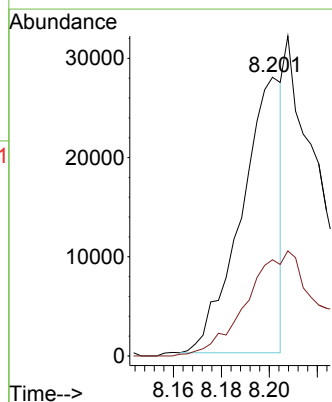
Acq: 21 Aug 2024 14:31

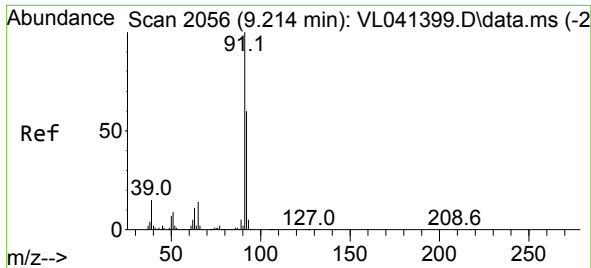
Tgt Ion: 43 Resp: 32691

Ion Ratio Lower Upper

43 100

58 0.0 27.9 41.9#

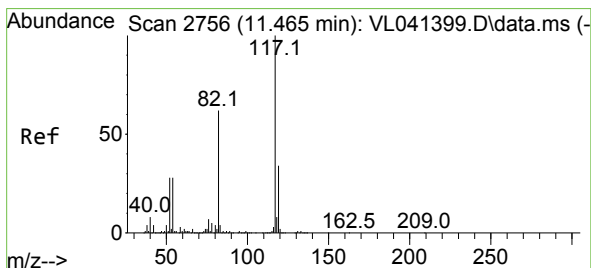
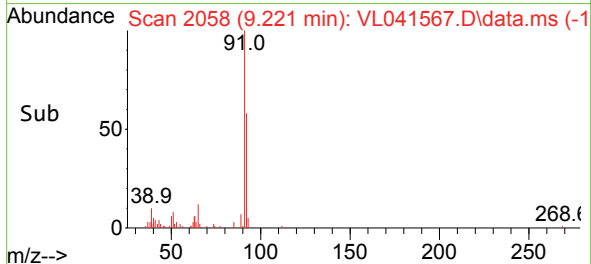
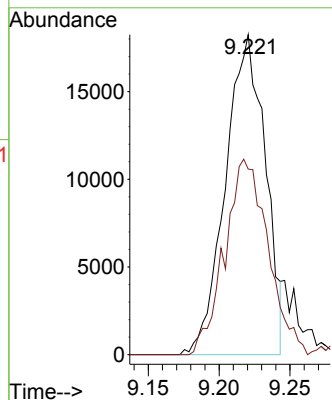
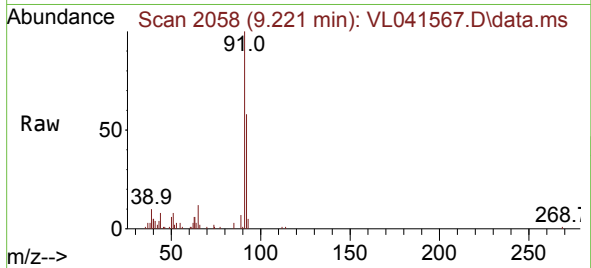




#53
Toluene
Concen: 0.163 ppbv
RT: 9.221 min Scan# 2056
Delta R.T. -0.000 min
Lab File: VL041567.D
Acq: 21 Aug 2024 14:31

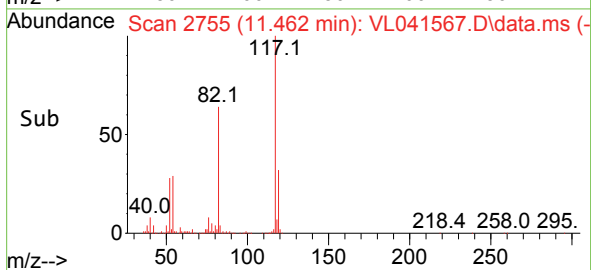
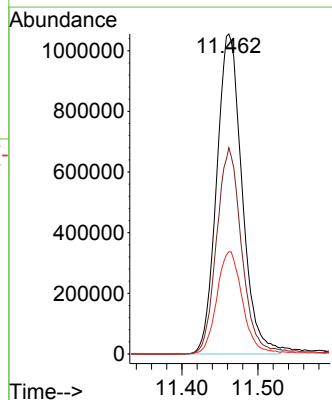
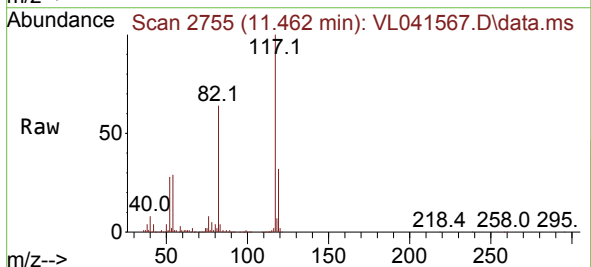
Instrument :
MSVOA_L
ClientSampleId :

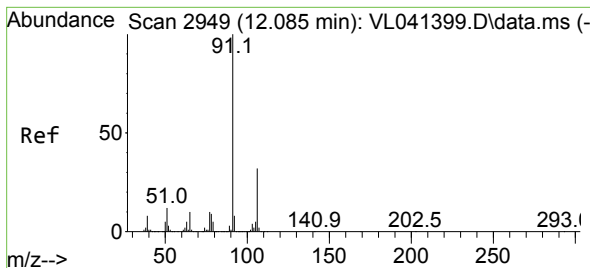
Tgt Ion: 91 Resp: 35727
Ion Ratio Lower Upper
91 100
92 67.6 48.7 73.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.003 min
Lab File: VL041567.D
Acq: 21 Aug 2024 14:31

Tgt Ion: 117 Resp: 2445840
Ion Ratio Lower Upper
117 100
82 65.3 51.0 76.6
119 33.1 45.2 67.8





#58

Ethyl Benzene

Concen: 0.104 ppbv

RT: 12.092 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VL041567.D

Acq: 21 Aug 2024 14:31

Instrument :

MSVOA_L

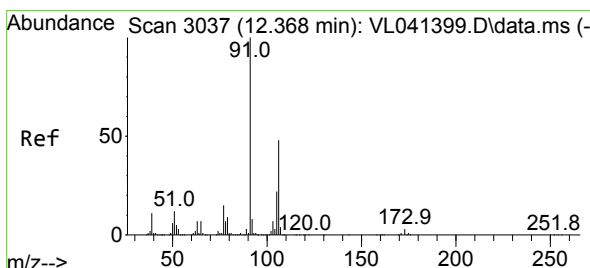
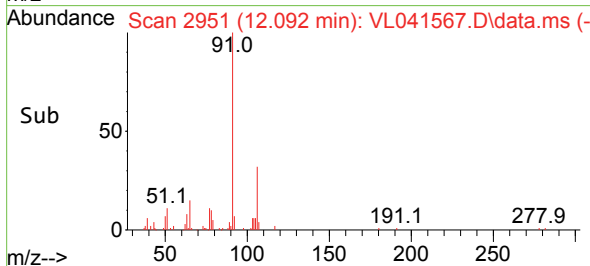
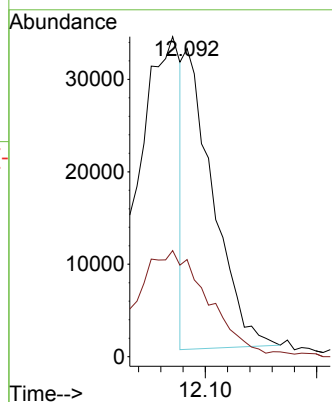
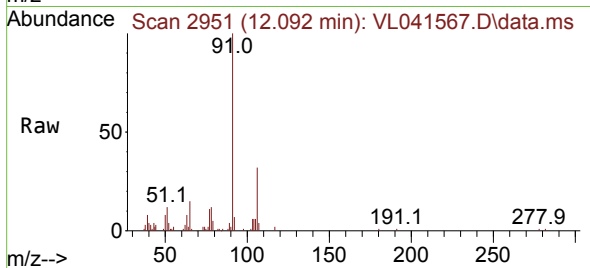
ClientSampleId :

Tgt Ion: 91 Resp: 29271

Ion Ratio Lower Upper

91 100

106 31.1 25.8 38.8



#59

m/p-Xylene

Concen: 0.778 ppbv

RT: 12.339 min Scan# 3028

Delta R.T. -0.032 min

Lab File: VL041567.D

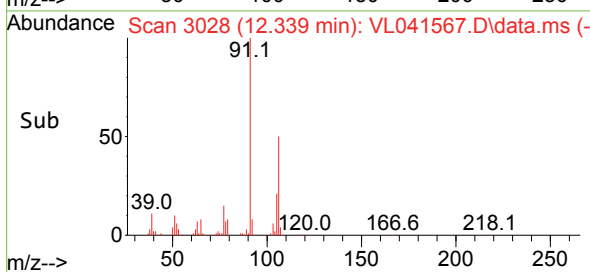
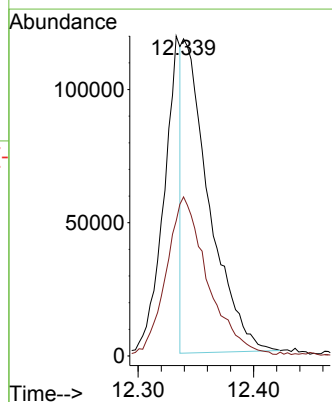
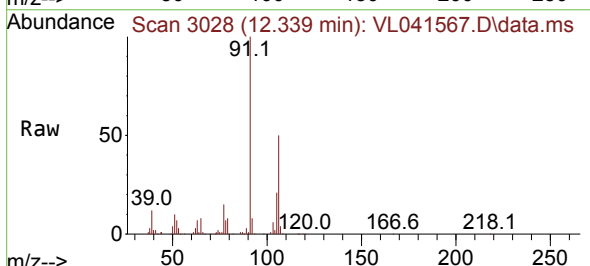
Acq: 21 Aug 2024 14:31

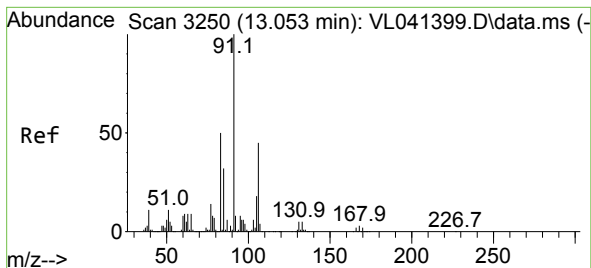
Tgt Ion: 91 Resp: 189286

Ion Ratio Lower Upper

91 100

106 79.6 36.3 54.5#





#60

o-Xylene

Concen: 0.530 ppbv

RT: 13.053 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041567.D

Acq: 21 Aug 2024 14:31

Instrument :

MSVOA_L

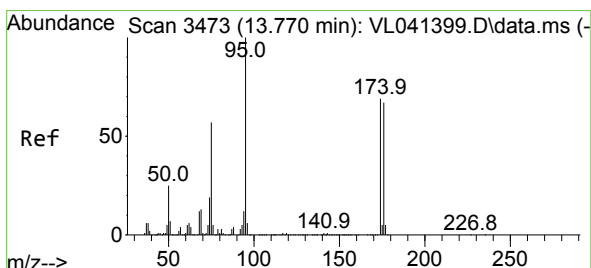
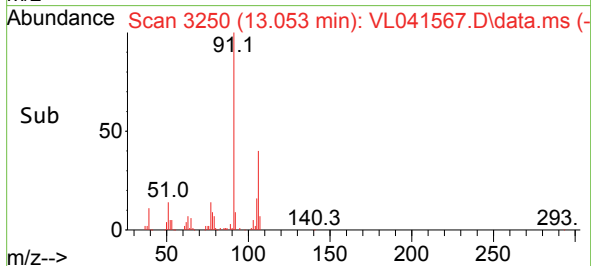
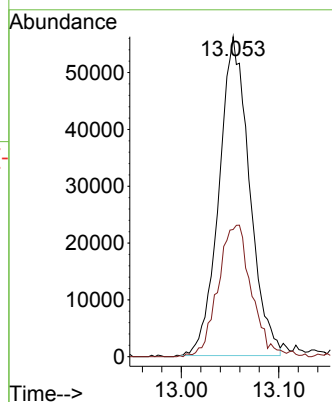
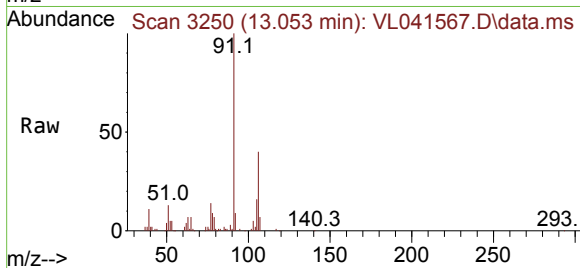
ClientSampleId :

Tgt Ion: 91 Resp: 122071

Ion Ratio Lower Upper

91 100

106 45.5 23.1 69.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.015 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. -0.003 min

Lab File: VL041567.D

Acq: 21 Aug 2024 14:31

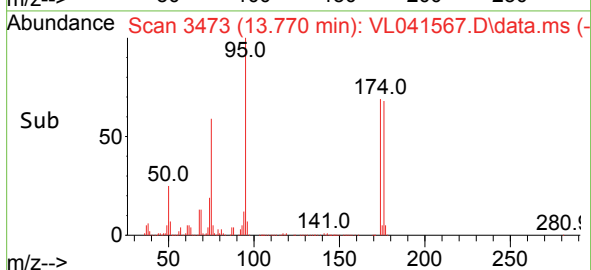
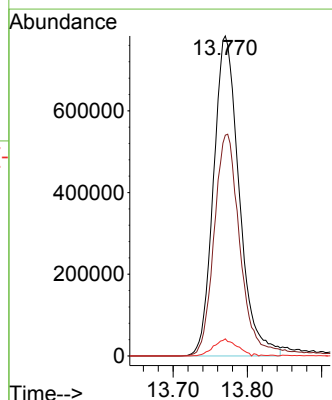
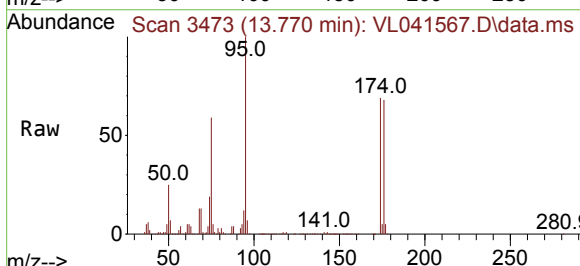
Tgt Ion: 95 Resp: 1885021

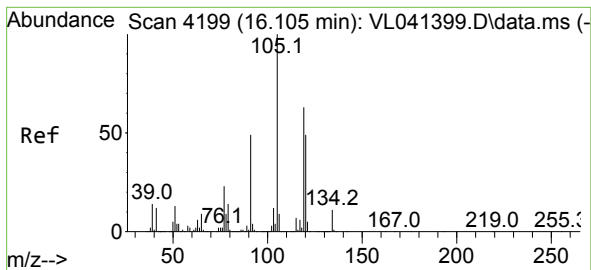
Ion Ratio Lower Upper

95 100

174 72.3 56.3 84.5

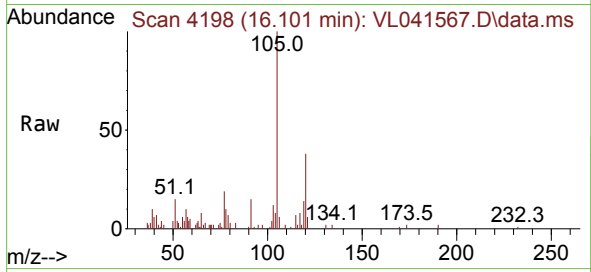
175 5.0 4.0 6.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.079 ppbv
 RT: 16.101 min Scan# 4198
 Delta R.T. -0.006 min
 Lab File: VL041567.D
 Acq: 21 Aug 2024 14:31

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	105	Resp:	21423
Ion	Ratio	Lower	Upper
105	100		
120	24.2	39.5	59.3#
91	13.3	39.8	59.8#
77	22.1	18.2	27.4

