

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
 Data File : VL041291.D
 Acq On : 24 May 2024 15:02
 Operator : SY/MD
 Sample : P2599-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 24 23:22:22 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 24 23:11:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1010094	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2616877	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2365112	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1871907	10.484	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.800%

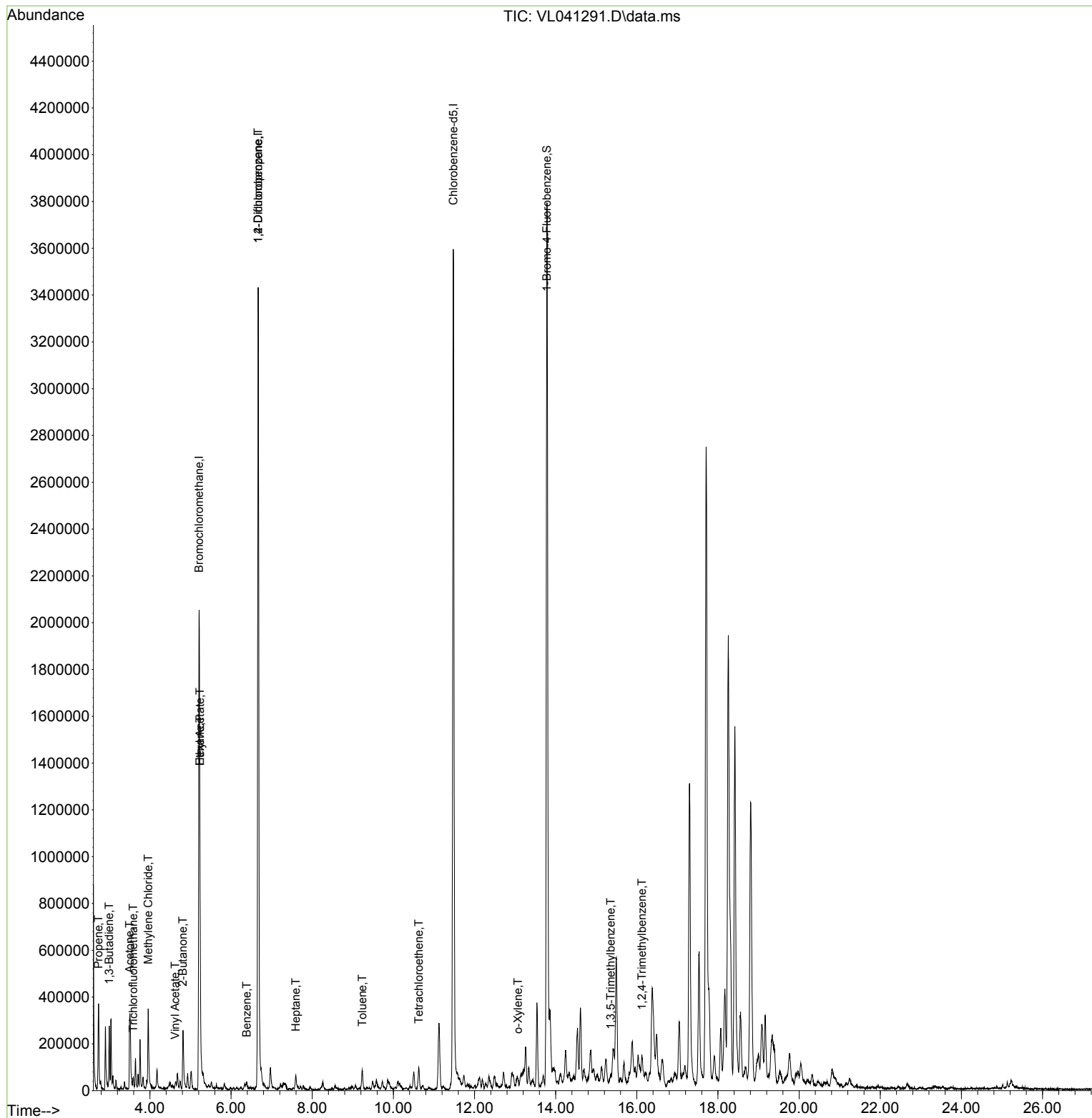
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.729	41	133172	2.218	ppbv	83
10) Heptane	7.594	43	25406	0.175	ppbv #	83
11) Trichlorofluoromethane	3.591	101	21935	0.158	ppbv	97
15) Acetone	3.501	43	355010	2.978	ppbv	94
16) 1,3-Butadiene	2.999	39	64001	1.064	ppbv #	20
20) Methylene Chloride	3.957	84	101039	2.437	ppbv	98
23) Vinyl Acetate	4.623	43	5450	0.042	ppbv #	1
25) Ethyl Acetate	5.230	43	153930	0.647	ppbv #	75
26) Hexane	5.230	57	212267	1.999	ppbv #	41
34) 2-Butanone	4.812	43	325435	2.443	ppbv	98
36) Benzene	6.385	78	22057	0.100	ppbv	96
39) 1,2-Dichloropropane	6.668	63	672385	7.945	ppbv #	24
52) Tetrachloroethene	10.629	164	14266	0.185	ppbv #	74
53) Toluene	9.237	91	55651	0.219	ppbv	99
60) o-Xylene	13.069	91	9028	0.035	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.359	105	13732	0.052	ppbv #	80
74) 1,2,4-Trimethylbenzene	16.124	105	35346	0.124	ppbv #	64

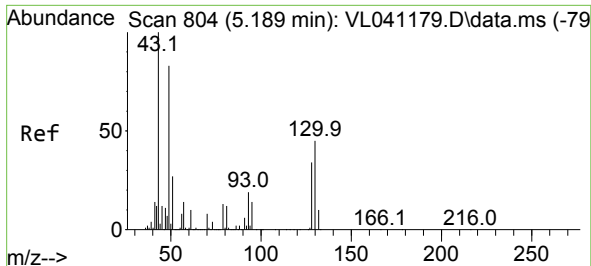
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
Data File : VL041291.D
Acq On : 24 May 2024 15:02
Operator : SY/MD
Sample : P2599-03DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 24 23:22:22 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 24 23:11:50 2024
Response via : Initial Calibration

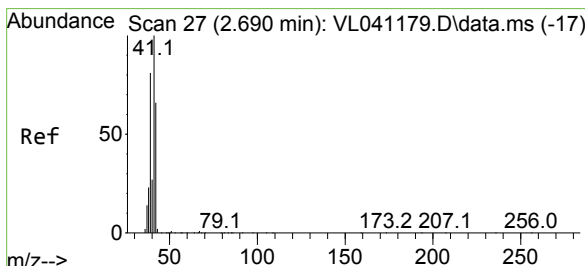
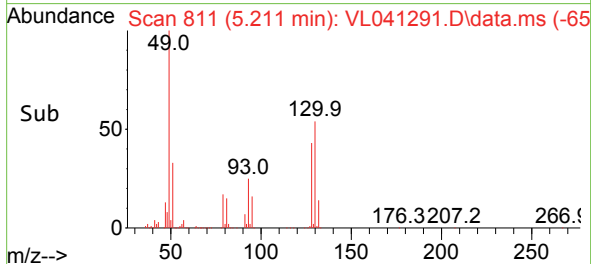
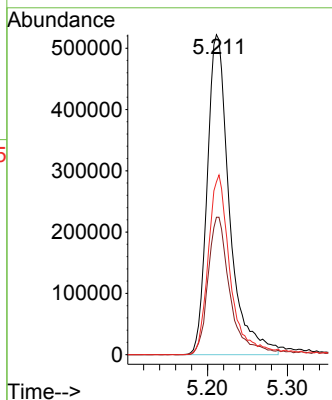
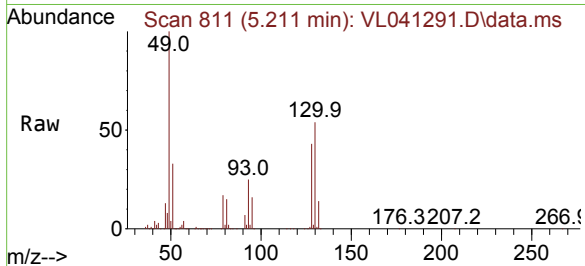




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

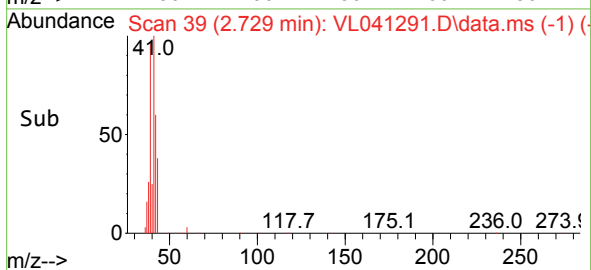
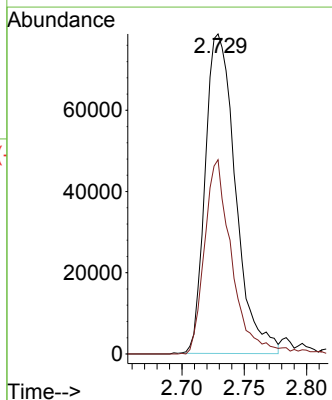
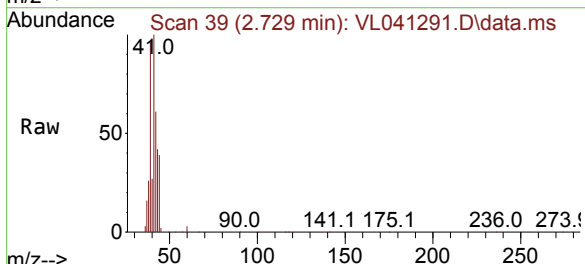
Instrument :
MSVOA_L
ClientSampleId :

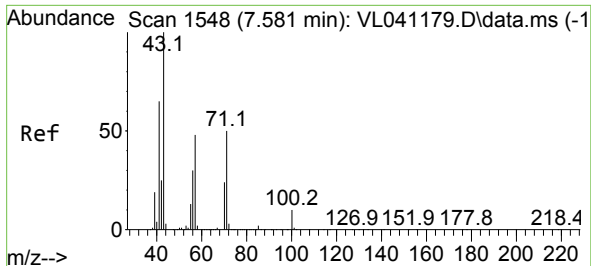
Tgt Ion: 49 Resp: 1010094
Ion Ratio Lower Upper
49 100
128 43.2 21.5 64.5
130 57.1 27.2 81.6



#9
Propene
Concen: 2.218 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.010 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

Tgt Ion: 41 Resp: 133172
Ion Ratio Lower Upper
41 100
42 55.5 55.3 82.9

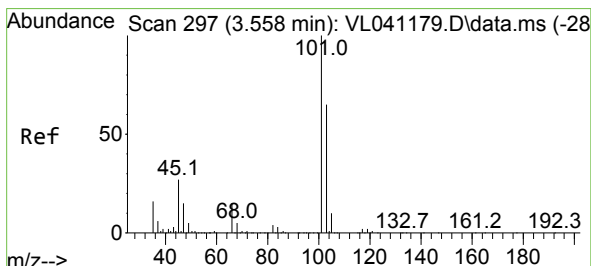
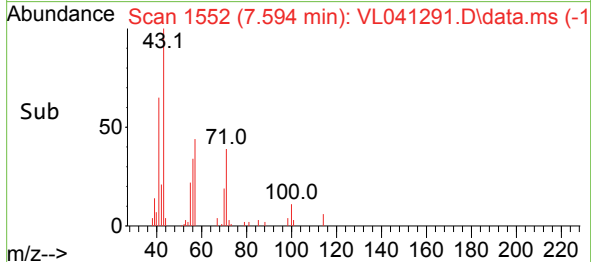
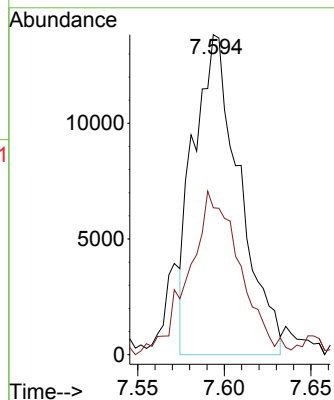
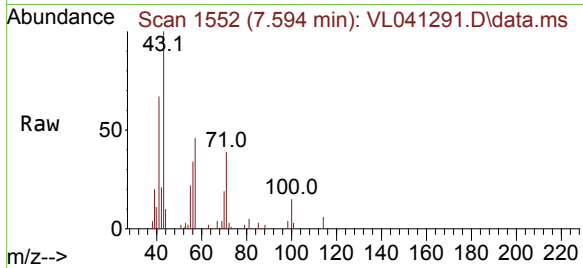




#10
 Heptane
 Concen: 0.175 ppbv
 RT: 7.594 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VL041291.D
 Acq: 24 May 2024 15:02

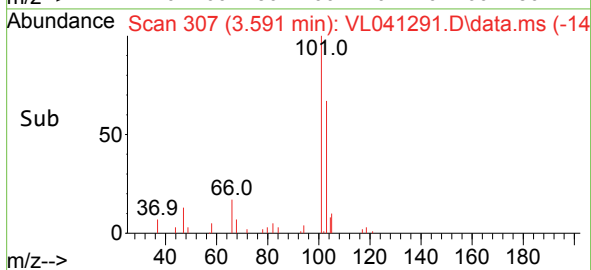
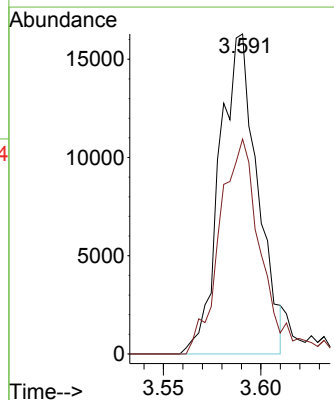
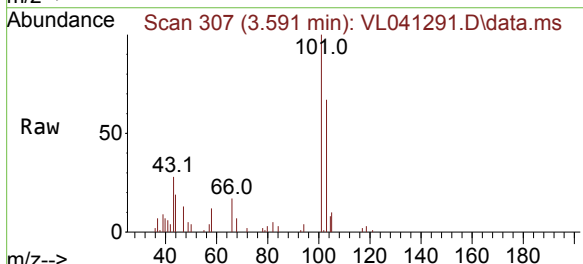
Instrument :
 MSVOA_L
 ClientSampleId :

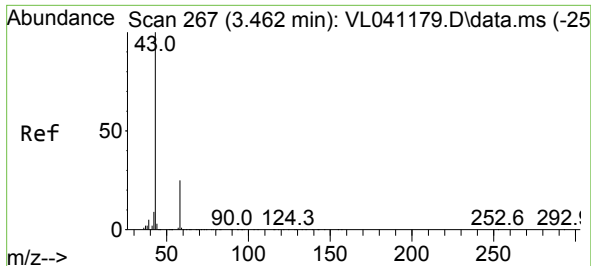
Tgt Ion: 43 Resp: 25406
 Ion Ratio Lower Upper
 43 100
 57 59.8 38.7 58.1#



#11
 Trichlorofluoromethane
 Concen: 0.158 ppbv
 RT: 3.591 min Scan# 307
 Delta R.T. 0.006 min
 Lab File: VL041291.D
 Acq: 24 May 2024 15:02

Tgt Ion: 101 Resp: 21935
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.6 77.4





#15

Acetone

Concen: 2.978 ppbv

RT: 3.501 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL041291.D

Acq: 24 May 2024 15:02

Instrument :

MSVOA_L

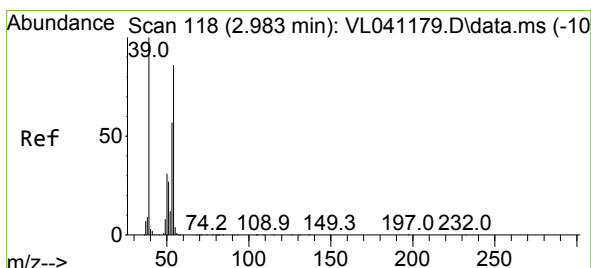
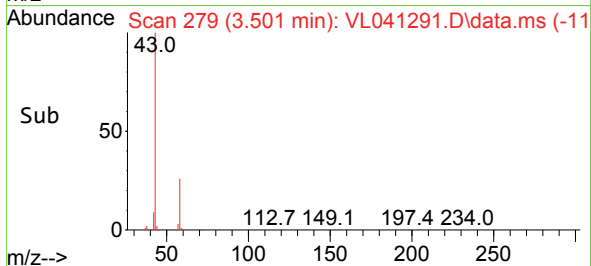
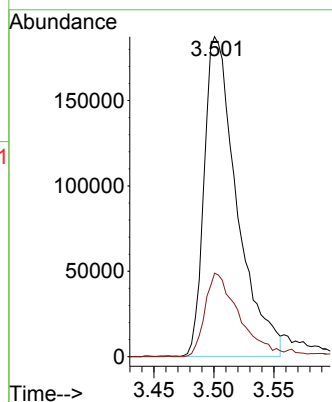
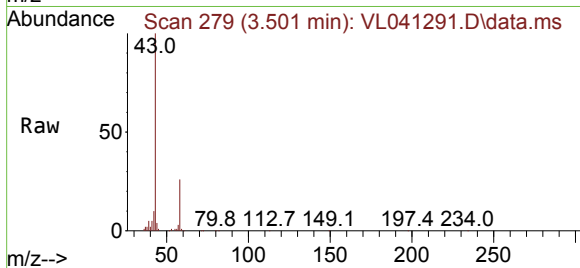
ClientSampleId :

Tgt Ion: 43 Resp: 355010

Ion Ratio Lower Upper

43 100

58 29.7 21.4 32.0



#16

1,3-Butadiene

Concen: 1.064 ppbv

RT: 2.999 min Scan# 123

Delta R.T. -0.010 min

Lab File: VL041291.D

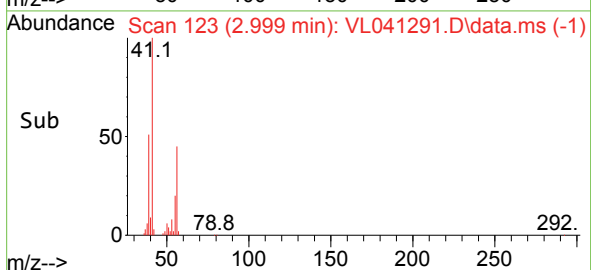
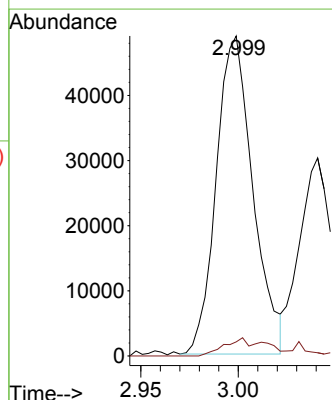
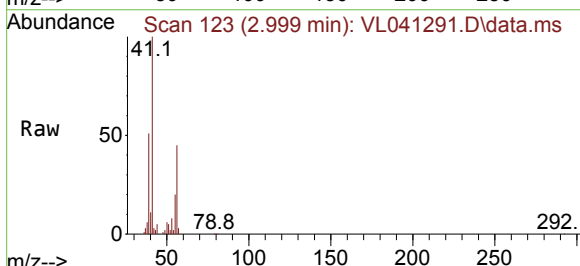
Acq: 24 May 2024 15:02

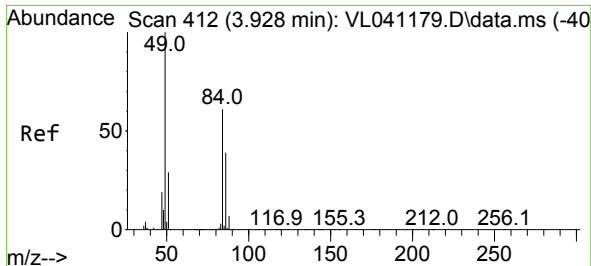
Tgt Ion: 39 Resp: 64001

Ion Ratio Lower Upper

39 100

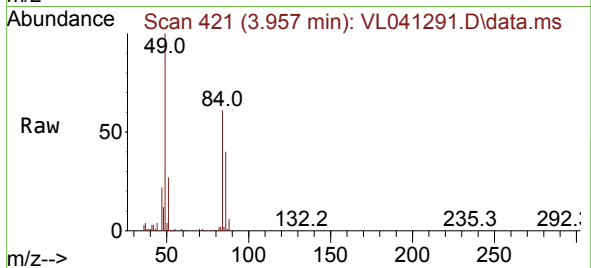
54 8.6 62.2 93.4#





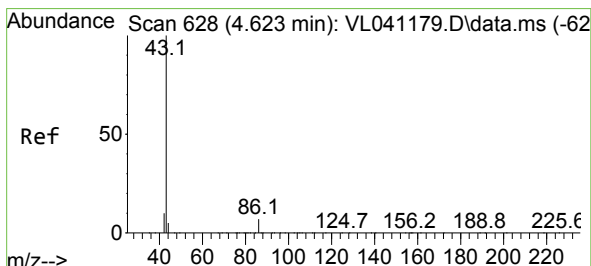
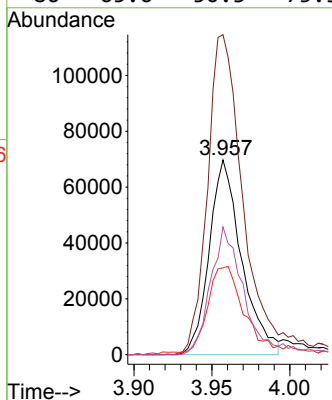
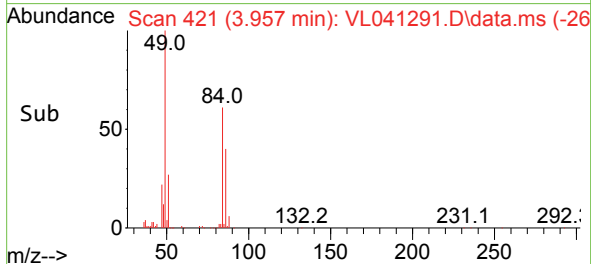
#20
Methylene Chloride
Concen: 2.437 ppbv
RT: 3.957 min Scan# 412
Delta R.T. 0.006 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 101039

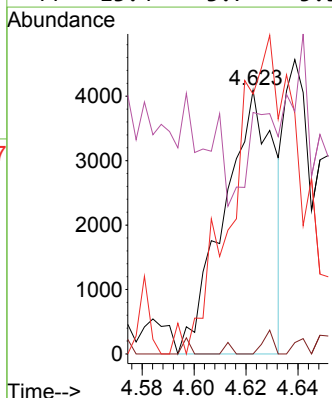
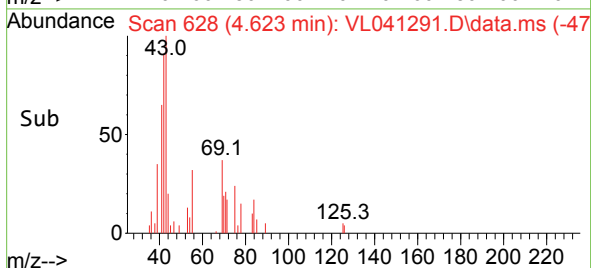
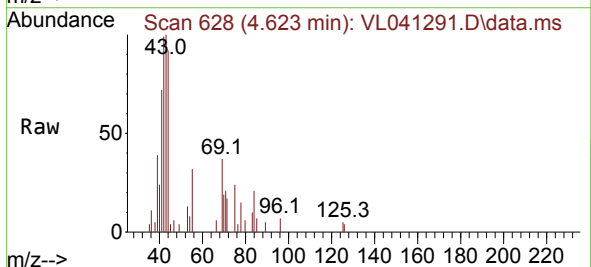
Ion	Ratio	Lower	Upper
84	100		
49	163.7	130.4	195.6
51	43.4	38.0	57.0
86	65.6	50.3	75.5

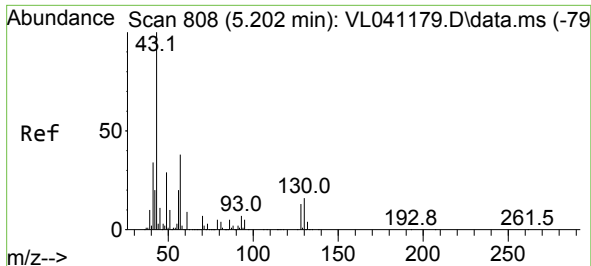


#23
Vinyl Acetate
Concen: 0.042 ppbv
RT: 4.623 min Scan# 628
Delta R.T. -0.019 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

Tgt Ion: 43 Resp: 5450

Ion	Ratio	Lower	Upper
43	100		
86	0.0	4.9	7.3#
42	86.9	8.0	12.0#
44	13.4	3.7	5.5#





#25

Ethyl Acetate

Concen: 0.647 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.013 min

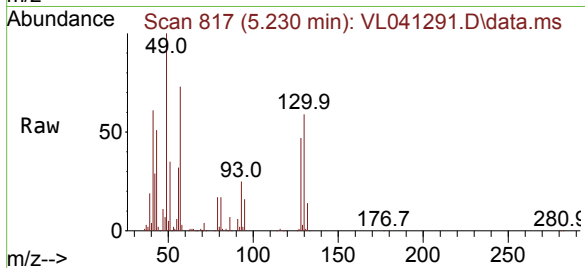
Lab File: VL041291.D

Acq: 24 May 2024 15:02

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 153930

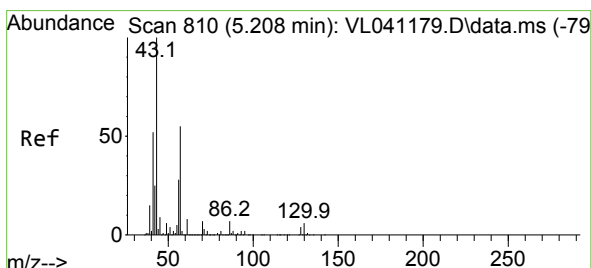
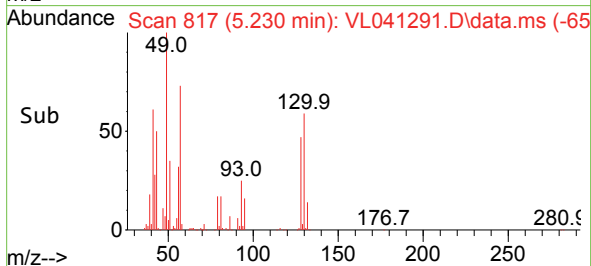
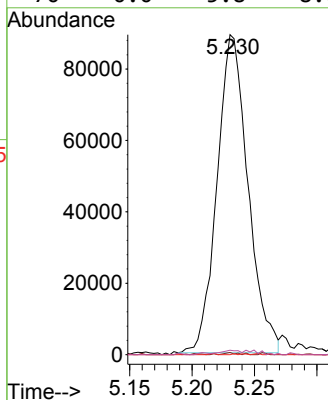
Ion Ratio Lower Upper

43 100

45 0.3 8.2 12.2#

61 0.0 7.7 11.5#

70 0.0 5.8 8.6#



#26

Hexane

Concen: 1.999 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.003 min

Lab File: VL041291.D

Acq: 24 May 2024 15:02

Tgt Ion: 57 Resp: 212267

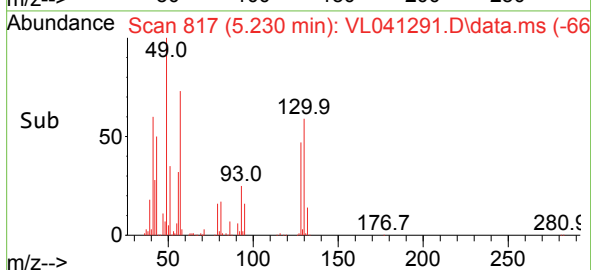
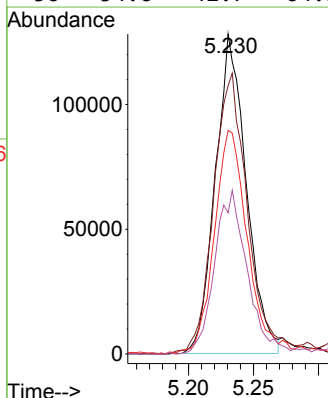
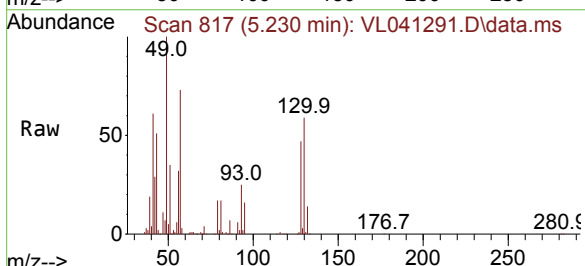
Ion Ratio Lower Upper

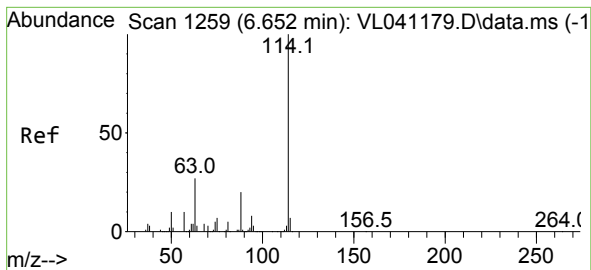
57 100

41 97.9 75.8 113.8

43 76.6 187.0 280.4#

56 54.6 42.7 64.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL041291.D

Acq: 24 May 2024 15:02

Instrument :

MSVOA_L

ClientSampleId :

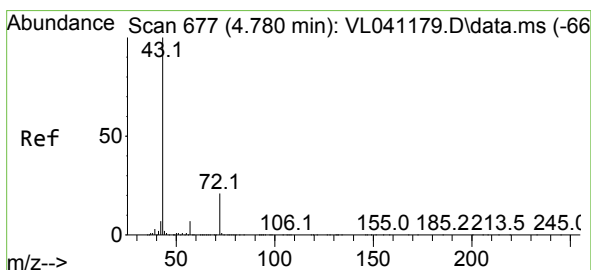
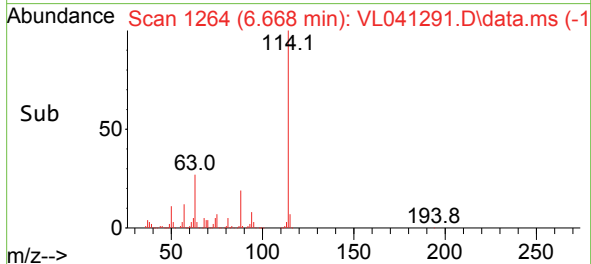
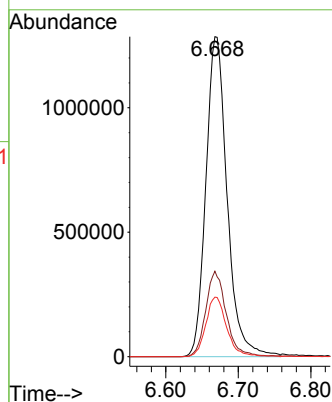
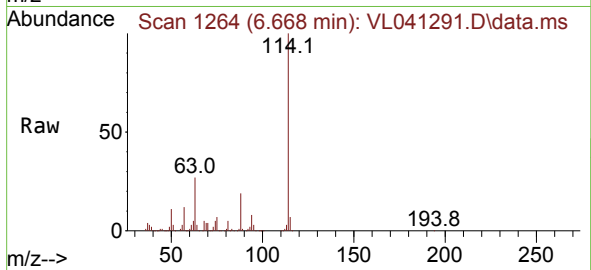
Tgt Ion:114 Resp: 2616877

Ion Ratio Lower Upper

114 100

63 26.1 21.8 32.6

88 18.5 15.2 22.8



#34

2-Butanone

Concen: 2.443 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.010 min

Lab File: VL041291.D

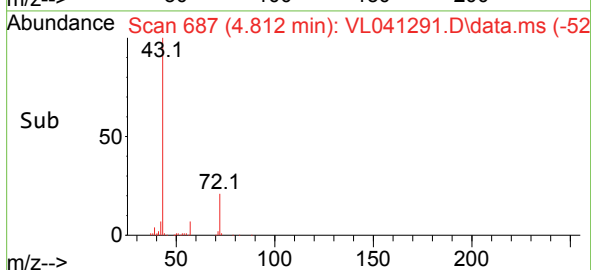
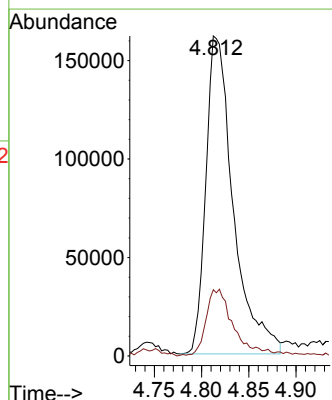
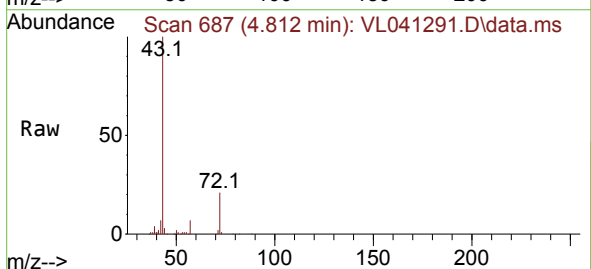
Acq: 24 May 2024 15:02

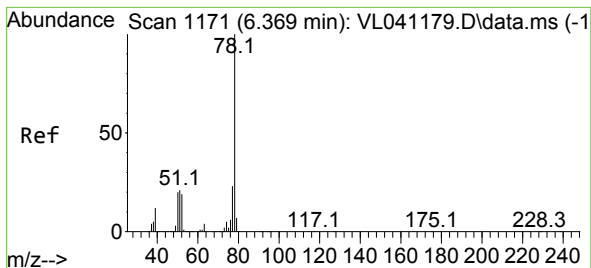
Tgt Ion: 43 Resp: 325435

Ion Ratio Lower Upper

43 100

72 22.5 17.3 25.9





#36

Benzene

Concen: 0.100 ppbv

RT: 6.385 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VL041291.D

Acq: 24 May 2024 15:02

Instrument :

MSVOA_L

ClientSampleId :

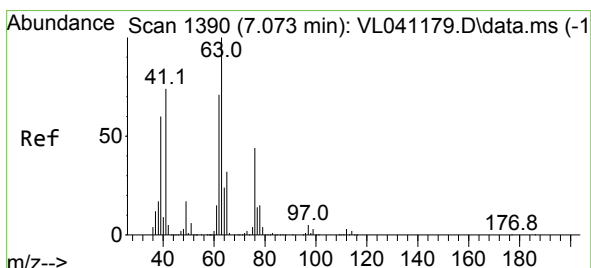
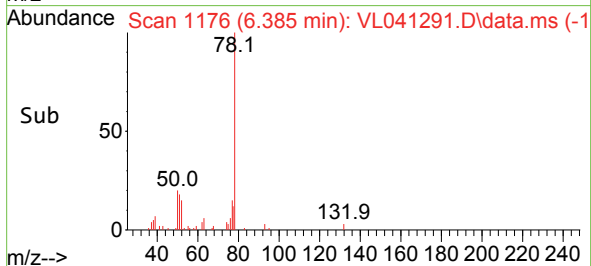
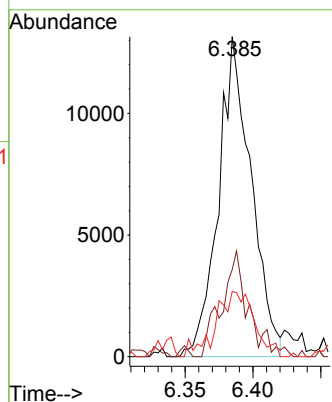
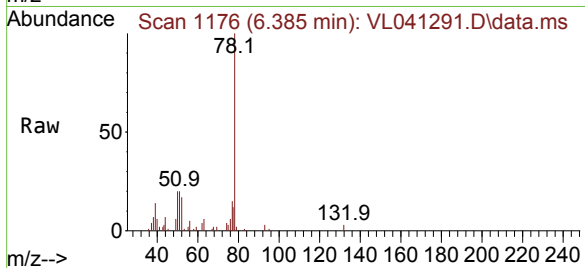
Tgt Ion: 78 Resp: 22057

Ion Ratio Lower Upper

78 100

77 25.9 18.3 27.5

50 20.8 15.9 23.9



#39

1,2-Dichloropropane

Concen: 7.945 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. -0.418 min

Lab File: VL041291.D

Acq: 24 May 2024 15:02

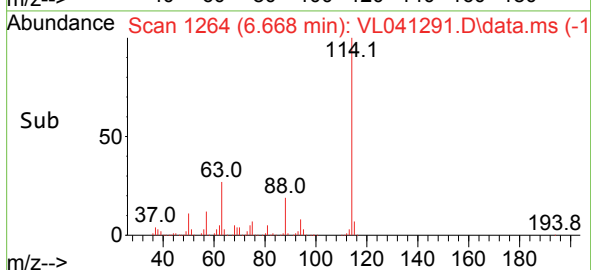
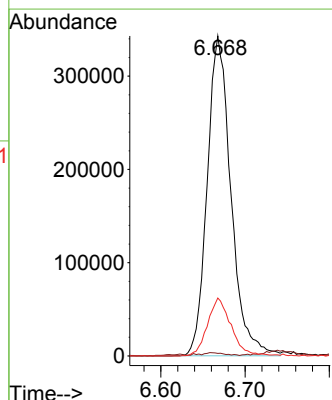
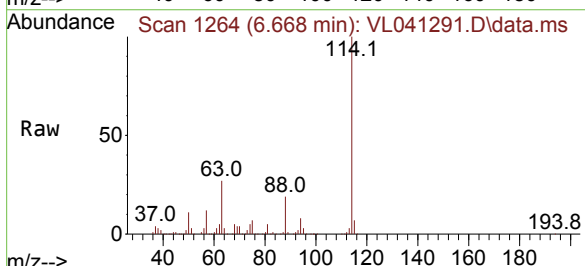
Tgt Ion: 63 Resp: 672385

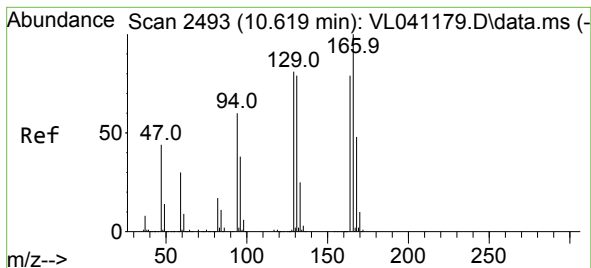
Ion Ratio Lower Upper

63 100

41 0.0 59.4 89.0#

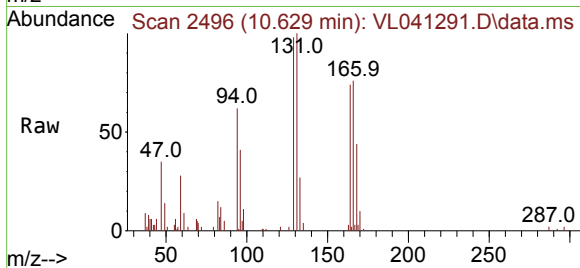
62 18.1 56.8 85.2#



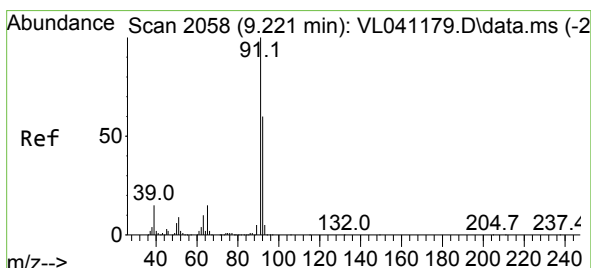
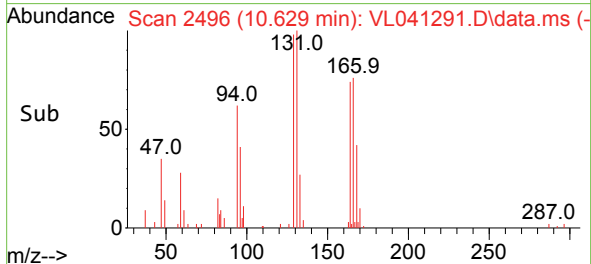
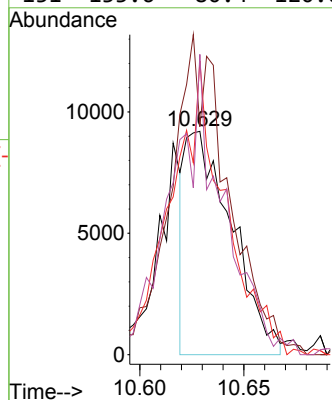


#52
Tetrachloroethene
Concen: 0.185 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.006 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

Instrument :
MSVOA_L
ClientSampleId :

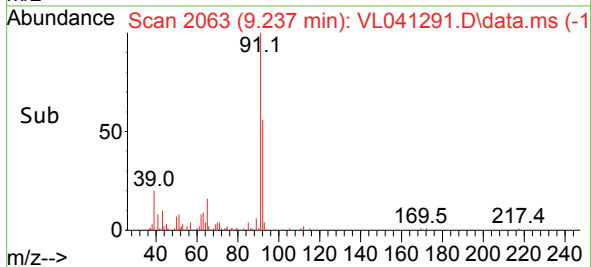
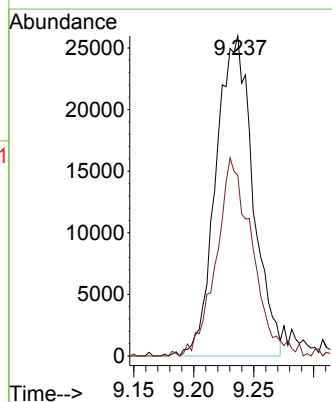
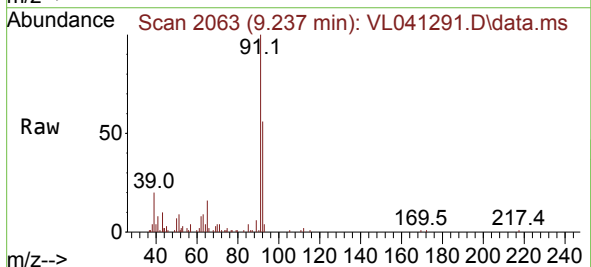


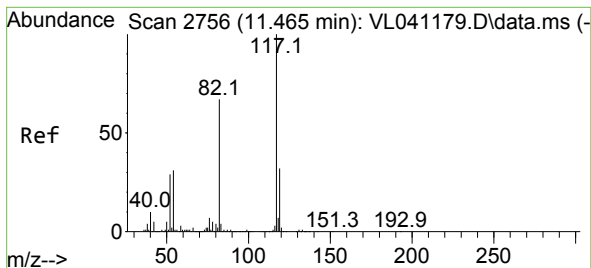
Tgt Ion:164 Resp: 14266
Ion Ratio Lower Upper
164 100
166 101.2 101.1 151.7
129 127.3 81.7 122.5#
131 133.6 80.4 120.6#



#53
Toluene
Concen: 0.219 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.007 min
Lab File: VL041291.D
Acq: 24 May 2024 15:02

Tgt Ion: 91 Resp: 55651
Ion Ratio Lower Upper
91 100
92 60.9 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL041291.D

Acq: 24 May 2024 15:02

Instrument :

MSVOA_L

ClientSampleId :

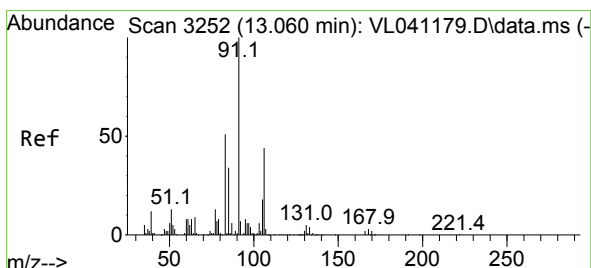
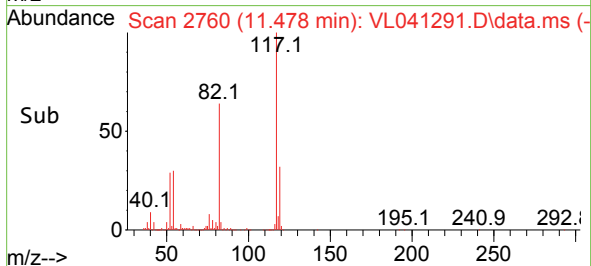
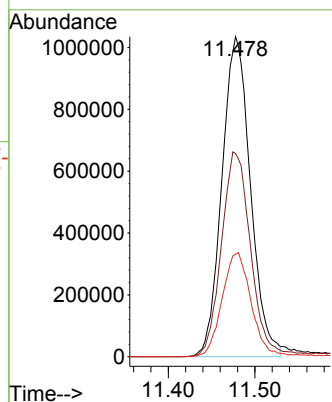
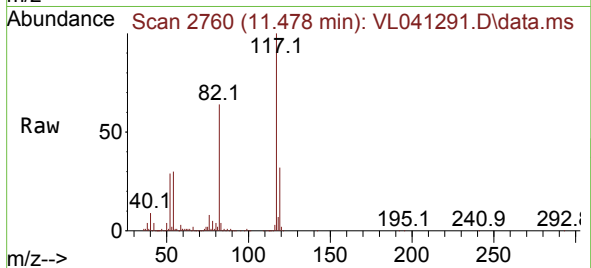
Tgt Ion:117 Resp: 2365112

Ion Ratio Lower Upper

117 100

82 67.9 53.6 80.4

119 33.6 27.2 40.8



#60

o-Xylene

Concen: 0.035 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. 0.007 min

Lab File: VL041291.D

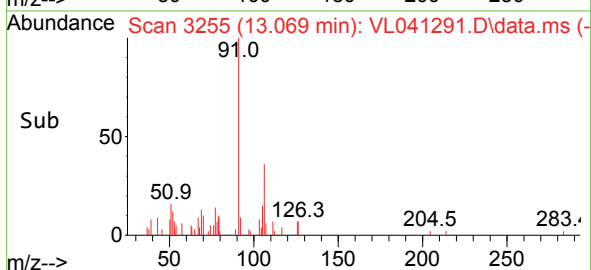
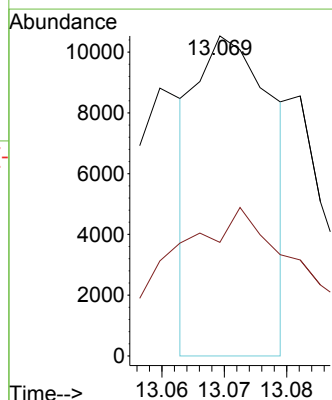
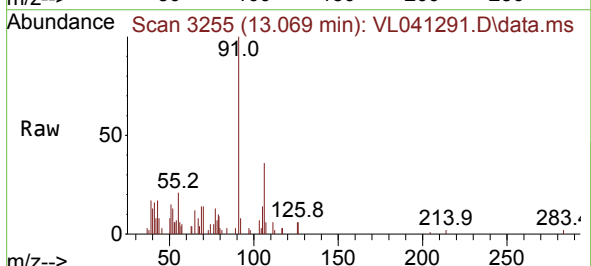
Acq: 24 May 2024 15:02

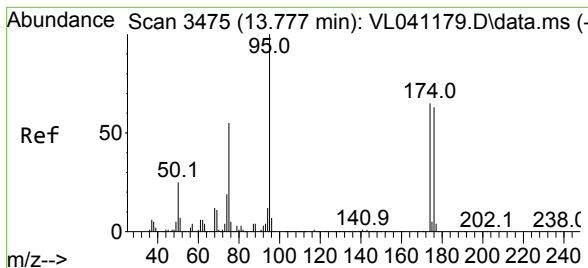
Tgt Ion: 91 Resp: 9028

Ion Ratio Lower Upper

91 100

106 115.7 22.4 67.3#

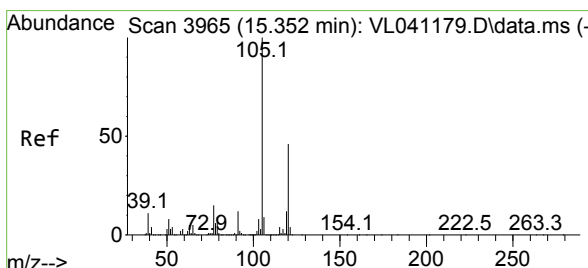
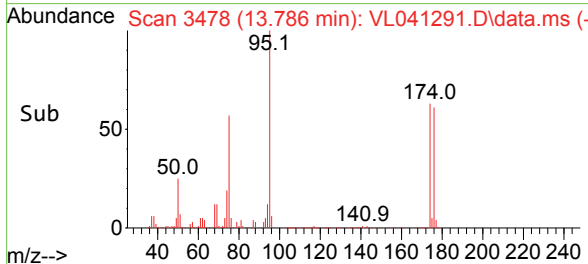
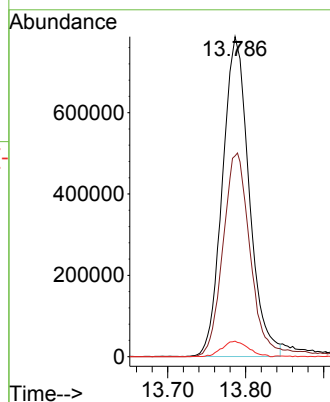
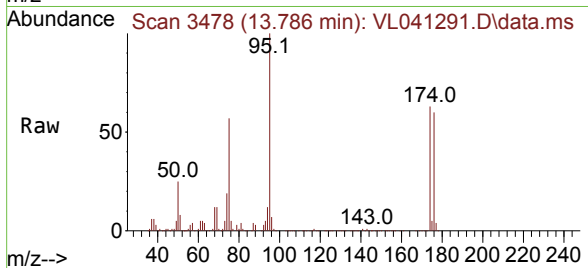




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.484 ppbv
 RT: 13.786 min Scan# 3475
 Delta R.T. 0.006 min
 Lab File: VL041291.D
 Acq: 24 May 2024 15:02

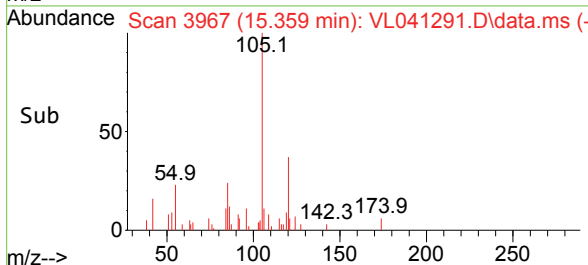
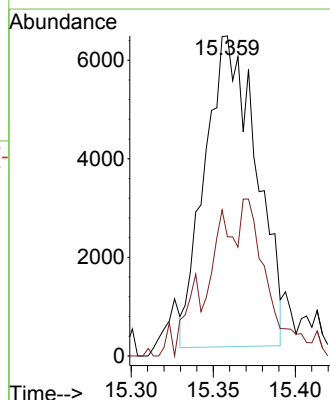
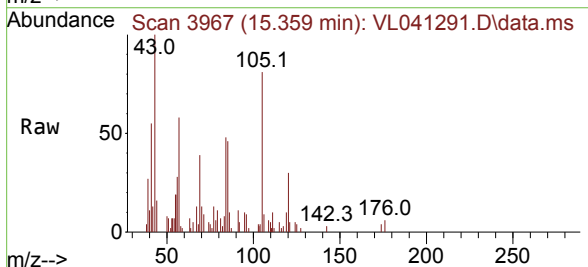
Instrument :
 MSVOA_L
 ClientSampleId :

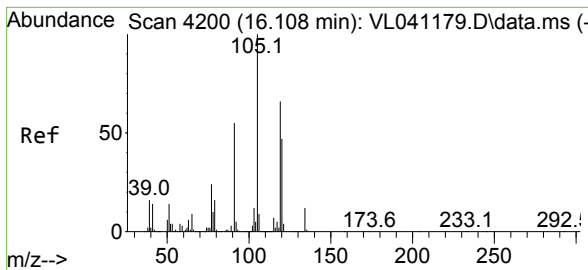
Tgt Ion: 95 Resp: 1871907
 Ion Ratio Lower Upper
 95 100
 174 68.1 53.6 80.4
 175 5.0 4.2 6.4



#73
 1,3,5-Trimethylbenzene
 Concen: 0.052 ppbv
 RT: 15.359 min Scan# 3967
 Delta R.T. 0.003 min
 Lab File: VL041291.D
 Acq: 24 May 2024 15:02

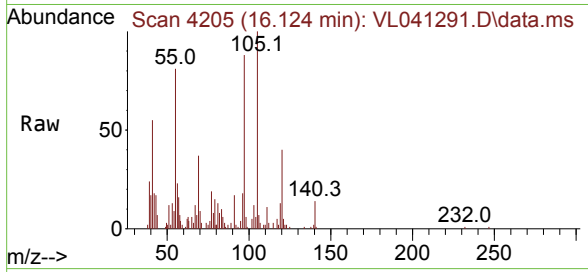
Tgt Ion: 105 Resp: 13732
 Ion Ratio Lower Upper
 105 100
 120 32.7 37.0 55.4#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.124 ppbv
 RT: 16.124 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL041291.D
 Acq: 24 May 2024 15:02

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	105	Resp:	35346
Ion	Ratio	Lower	Upper
105	100		
120	34.5	37.8	56.6#
91	14.4	44.3	66.5#
77	13.1	19.0	28.4#

