

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041524.D
 Acq On : 8 Aug 2024 22:42
 Operator : SY/MD
 Sample : P3496-01DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-CSDL

Quant Time: Aug 09 06:00:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

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

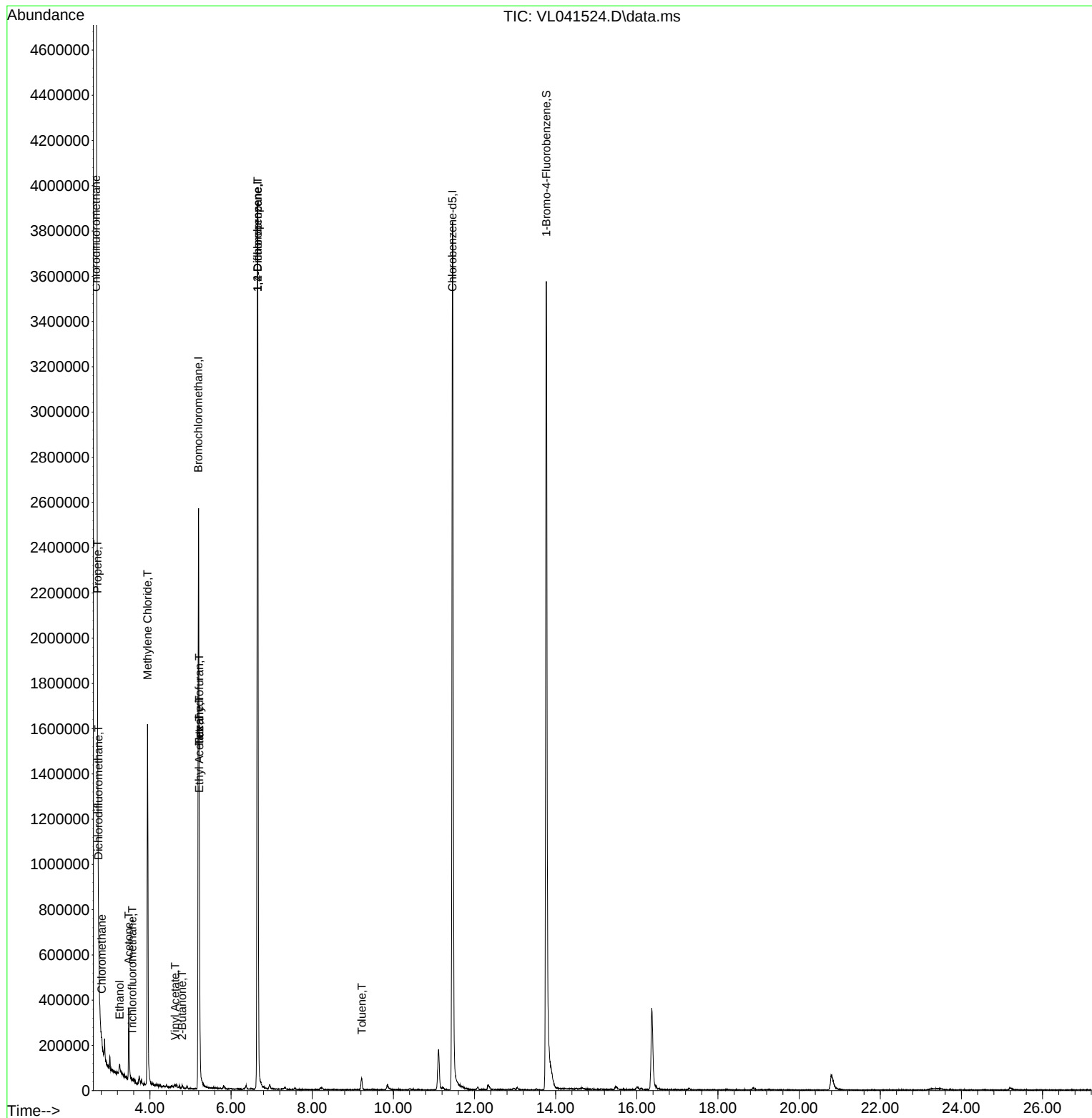
Internal Standards						
1) Bromochloromethane	5.195	49	1089198	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2814389	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2555700	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1895957	9.640	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	16070	0.086	ppbv	93
3) Chlorodifluoromethane	2.674	51	17550	0.135	ppbv	94
4) Chloromethane	2.812	50	6679	0.097	ppbv	90
9) Propene	2.706	41	15447	0.259	ppbv	96
11) Trichlorofluoromethane	3.568	101	5658	0.034	ppbv	90
13) Ethanol	3.253	45	37255	6.998	ppbv	77
15) Acetone	3.478	43	260938	2.108	ppbv	98
20) Methylene Chloride	3.941	84	517364	11.211	ppbv	97
23) Vinyl Acetate	4.623	43	9140	0.097	ppbv #	32
25) Ethyl Acetate	5.217	43	182619	0.743	ppbv #	77
26) Hexane	5.214	57	256781	2.518	ppbv #	38
34) 2-Butanone	4.793	43	12318	0.090	ppbv #	78
39) 1,2-Dichloropropane	6.651	63	696271	8.844	ppbv #	25
41) Tetrahydrofuran	5.214	42	97801	1.256	ppbv #	50
53) Toluene	9.224	91	15284	0.067	ppbv #	20

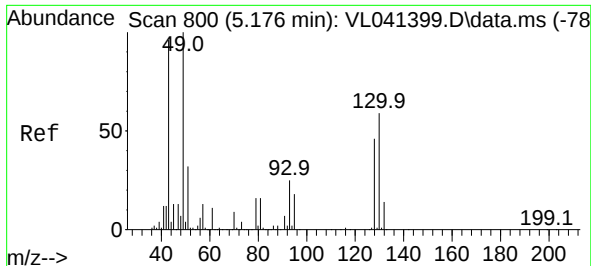
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_L\Data\VL080824\
Data File : VL041524.D
Acq On : 8 Aug 2024 22:42
Operator : SY/MD
Sample : P3496-01DL 5X
Misc : 400mL/MSV0A_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSV0A_L
ClientSampleId :
B-CSDL

Quant Time: Aug 09 06:00:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSV0A_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration

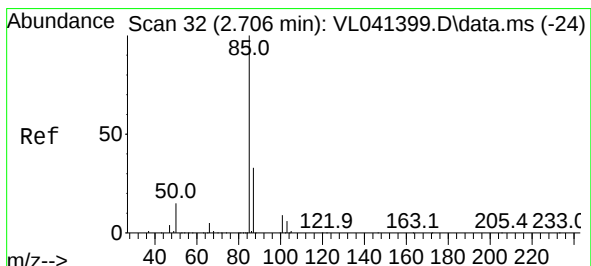
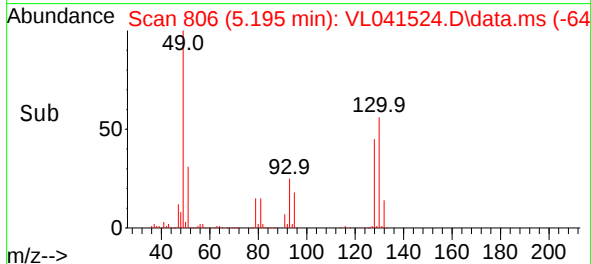
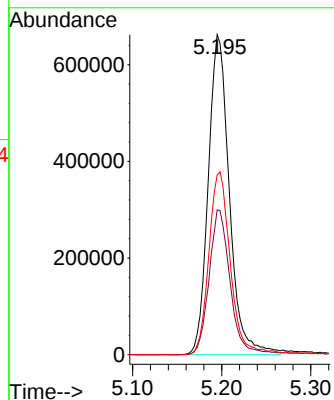
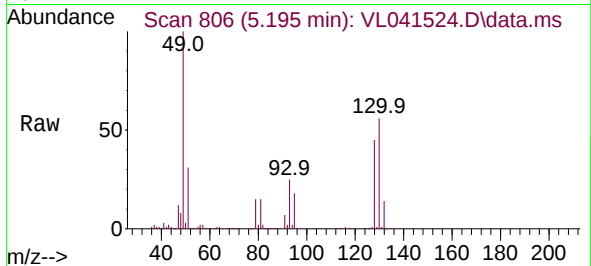




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL041524.D
Acq: 8 Aug 2024 22:42

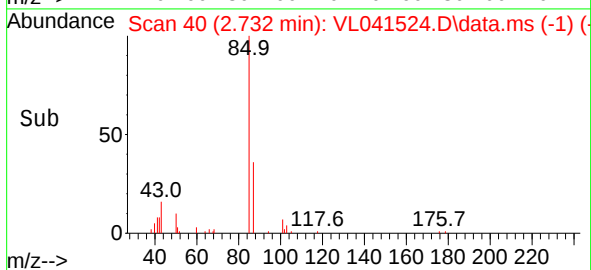
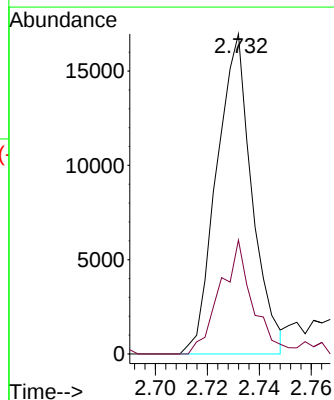
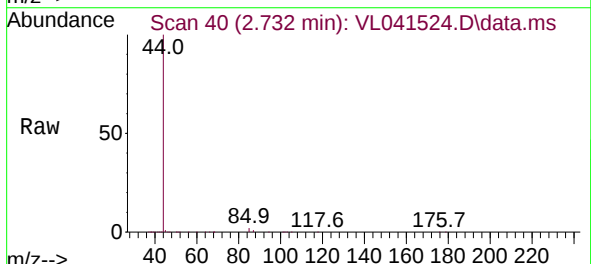
Instrument :
MSVOA_L
ClientSampleId :
B-CSDL

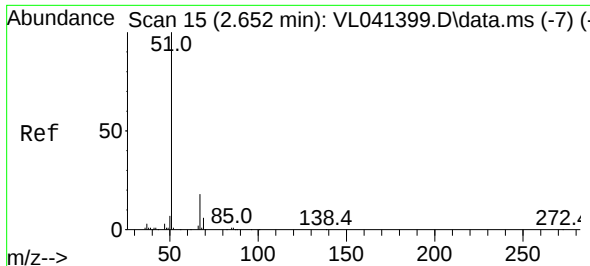
Tgt Ion: 49 Resp: 1089198
Ion Ratio Lower Upper
49 100
128 46.0 23.8 71.4
130 59.3 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.086 ppbv
RT: 2.732 min Scan# 40
Delta R.T. -0.000 min
Lab File: VL041524.D
Acq: 8 Aug 2024 22:42

Tgt Ion: 85 Resp: 16070
Ion Ratio Lower Upper
85 100
87 36.2 26.0 39.0

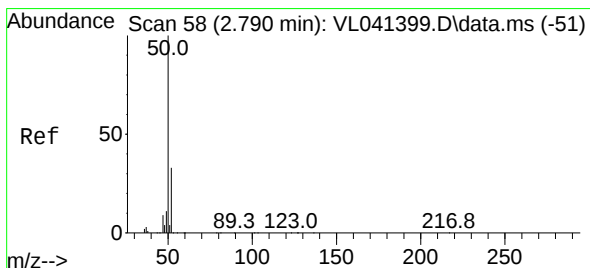
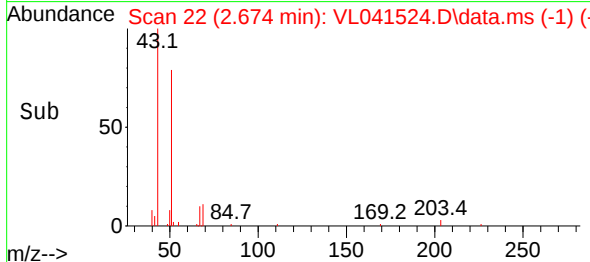
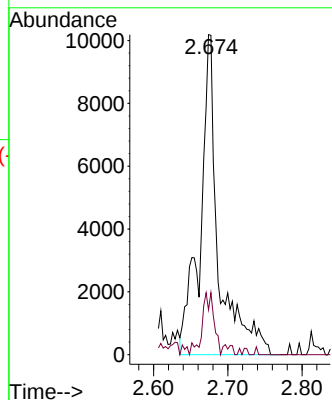
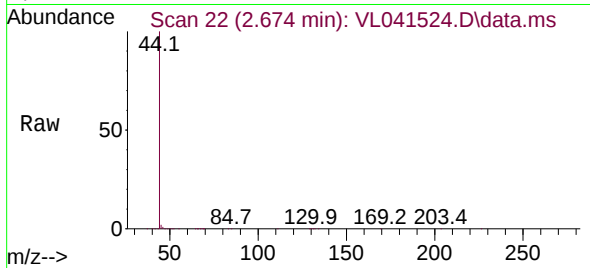




#3
Chlorodifluoromethane
Concen: 0.135 ppbv
RT: 2.674 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041524.D
Acq: 8 Aug 2024 22:42

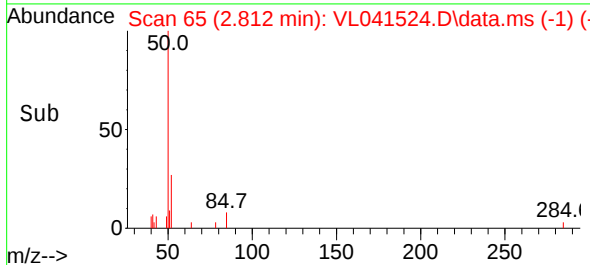
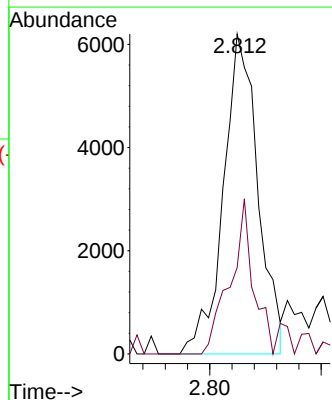
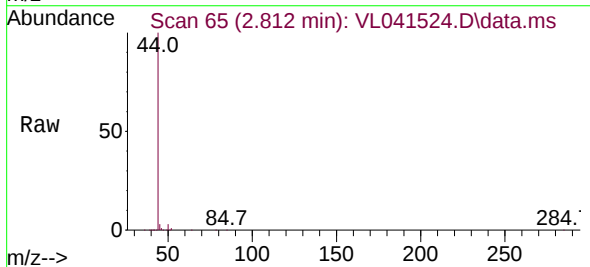
Instrument :
MSVOA_L
ClientSampleId :
B-CSDL

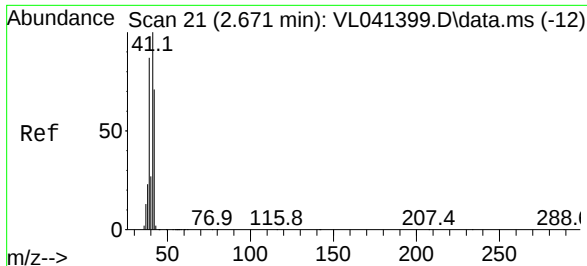
Tgt Ion: 51 Resp: 17550
Ion Ratio Lower Upper
51 100
67 15.5 14.5 21.7



#4
Chloromethane
Concen: 0.097 ppbv
RT: 2.812 min Scan# 65
Delta R.T. -0.003 min
Lab File: VL041524.D
Acq: 8 Aug 2024 22:42

Tgt Ion: 50 Resp: 6679
Ion Ratio Lower Upper
50 100
52 27.0 26.1 39.1





#9

Propene

Concen: 0.259 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL041524.D

Acq: 8 Aug 2024 22:42

Instrument :

MSVOA_L

ClientSampleId :

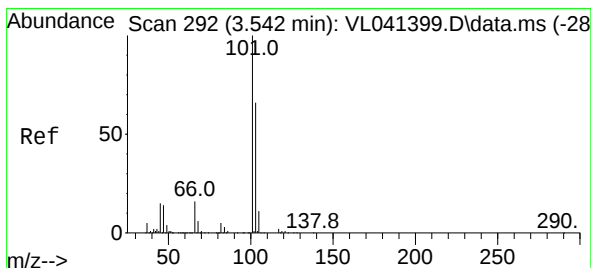
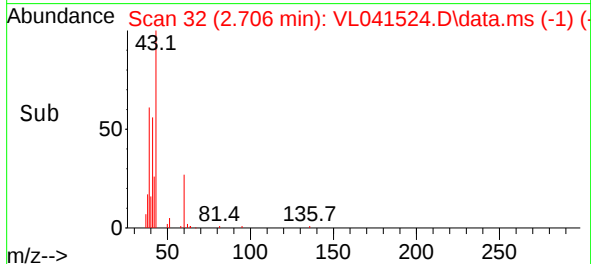
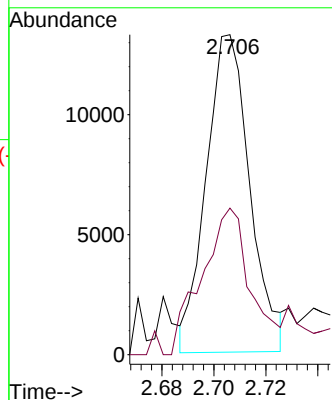
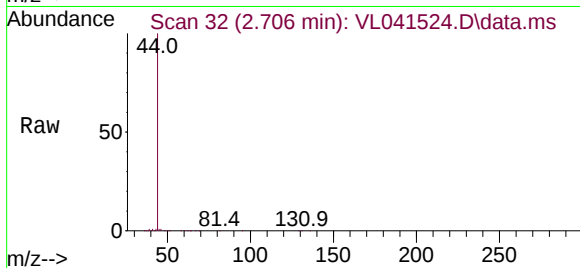
B-CSDL

Tgt Ion: 41 Resp: 15447

Ion Ratio Lower Upper

41 100

42 66.5 55.9 83.9



#11

Trichlorofluoromethane

Concen: 0.034 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.006 min

Lab File: VL041524.D

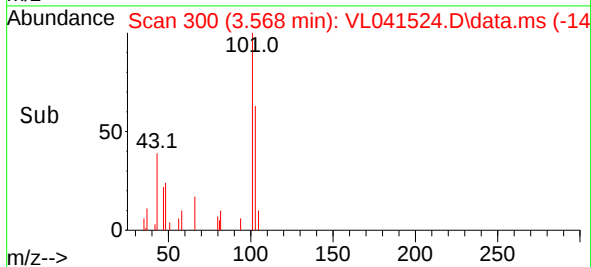
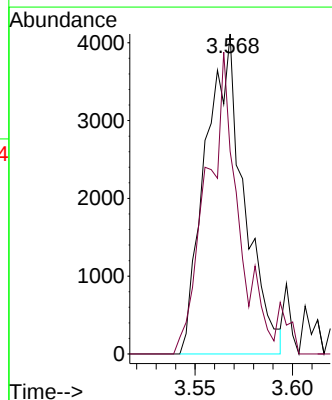
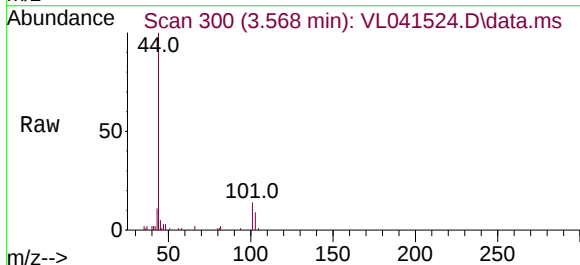
Acq: 8 Aug 2024 22:42

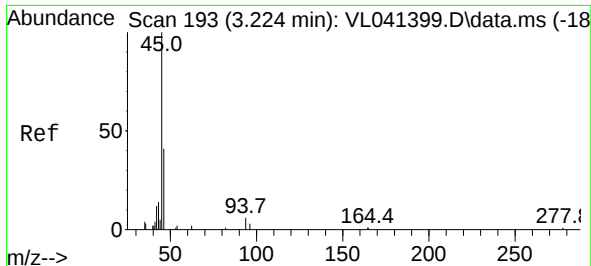
Tgt Ion:101 Resp: 5658

Ion Ratio Lower Upper

101 100

103 58.2 52.6 79.0





#13

Ethanol

Concen: 6.998 ppbv

RT: 3.253 min Scan# 20

Delta R.T. 0.010 min

Lab File: VL041524.D

Acq: 8 Aug 2024 22:42

Instrument :

MSVOA_L

ClientSampleId :

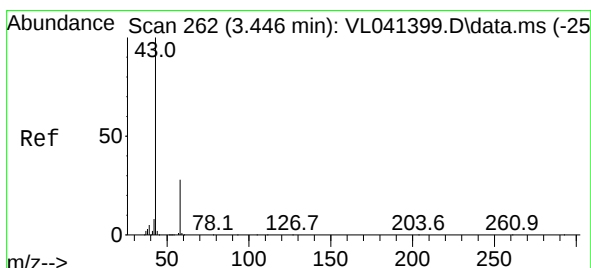
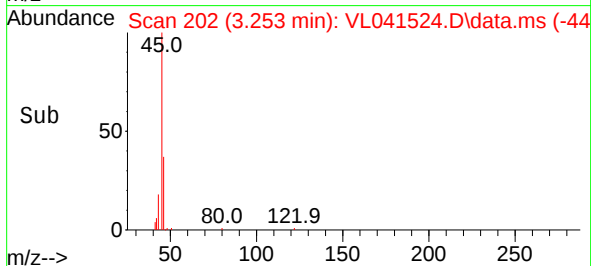
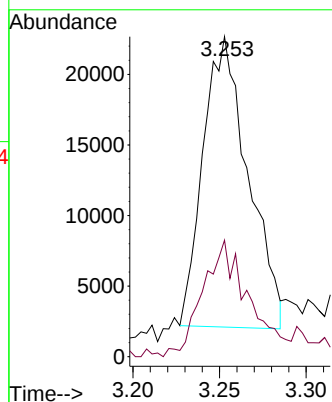
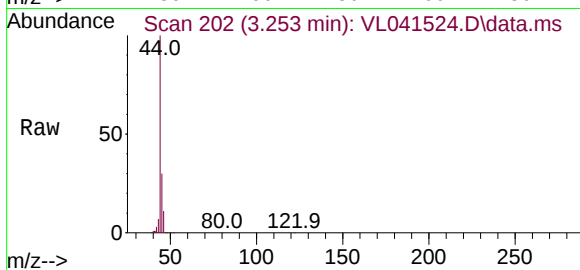
B-CSDL

Tgt Ion: 45 Resp: 37255

Ion Ratio Lower Upper

45 100

46 46.7 13.4 53.4



#15

Acetone

Concen: 2.108 ppbv

RT: 3.478 min Scan# 272

Delta R.T. 0.010 min

Lab File: VL041524.D

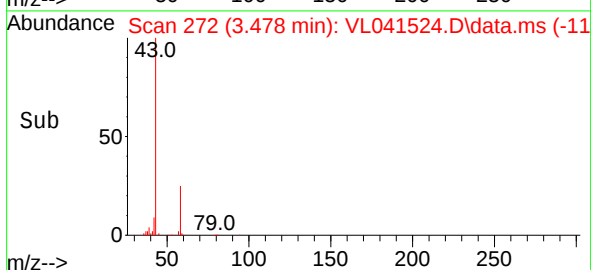
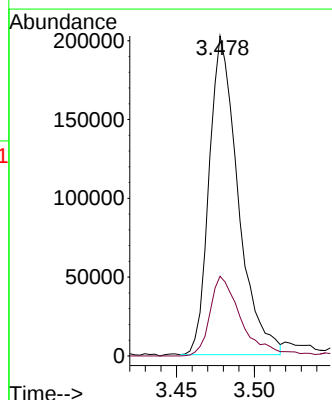
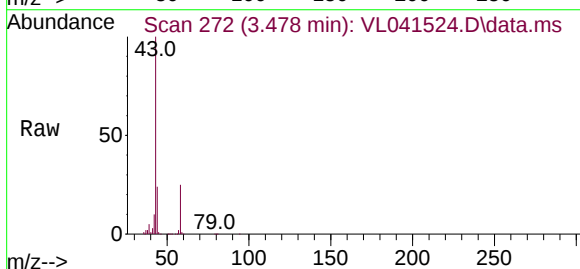
Acq: 8 Aug 2024 22:42

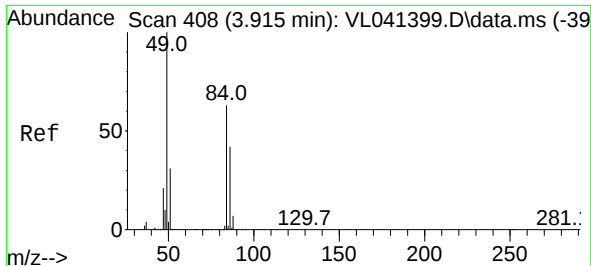
Tgt Ion: 43 Resp: 260938

Ion Ratio Lower Upper

43 100

58 27.7 21.4 32.2





#20

Methylene Chloride

Concen: 11.211 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.010 min

Lab File: VL041524.D

Acq: 8 Aug 2024 22:42

Instrument :

MSVOA_L

ClientSampleId :

B-CSDL

Tgt Ion: 84 Resp: 517364

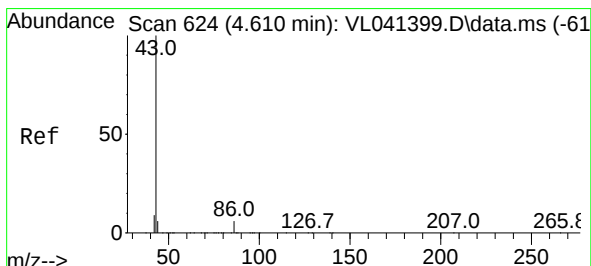
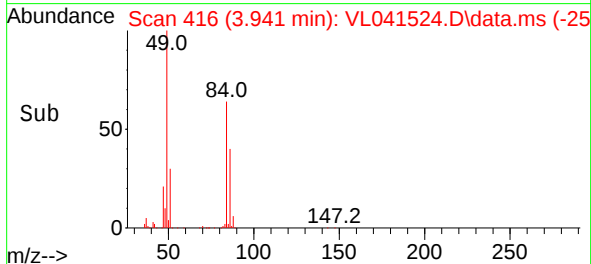
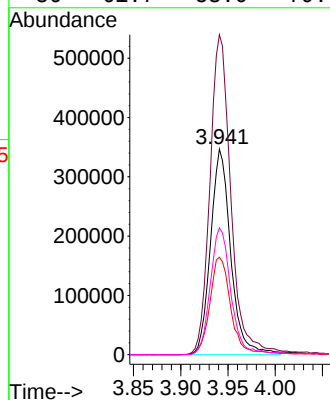
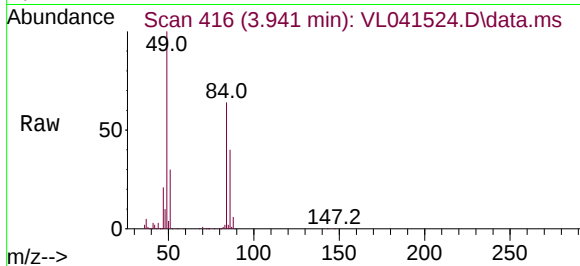
Ion Ratio Lower Upper

84 100

49 155.6 126.6 190.0

51 47.4 38.6 58.0

86 61.7 53.0 79.4



#23

Vinyl Acetate

Concen: 0.097 ppbv

RT: 4.623 min Scan# 628

Delta R.T. -0.003 min

Lab File: VL041524.D

Acq: 8 Aug 2024 22:42

Tgt Ion: 43 Resp: 9140

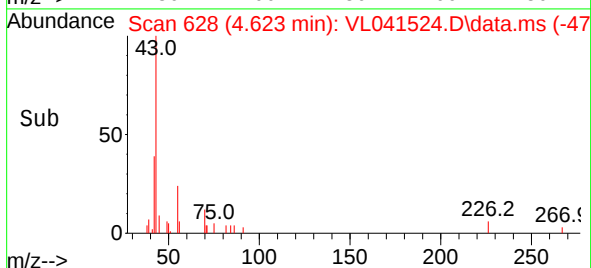
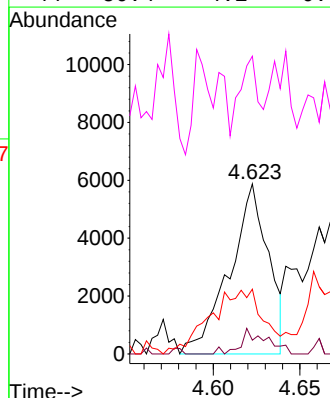
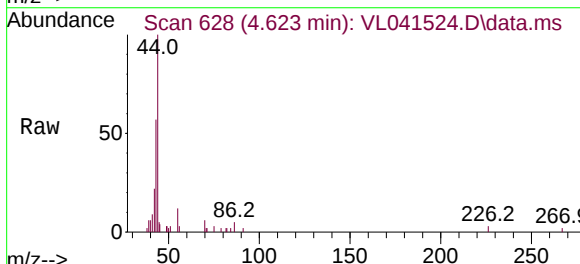
Ion Ratio Lower Upper

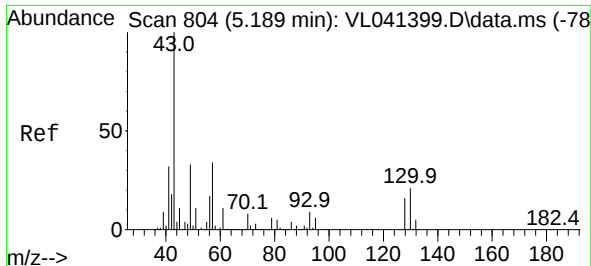
43 100

86 4.8 4.6 6.8

42 32.4 7.9 11.9#

44 56.4 4.2 6.4#





#25

Ethyl Acetate

Concen: 0.743 ppbv

RT: 5.217 min Scan# 813

Delta R.T. 0.016 min

Lab File: VL041524.D

Acq: 8 Aug 2024 22:42

Instrument :

MSVOA_L

ClientSampleId :

B-CSDL

Tgt Ion: 43 Resp: 182619

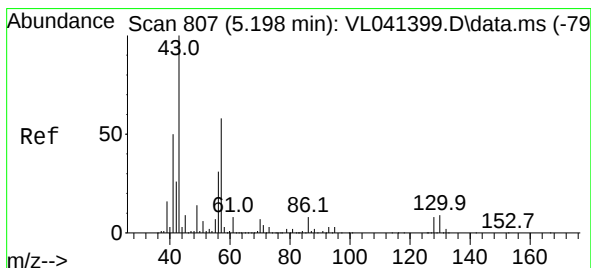
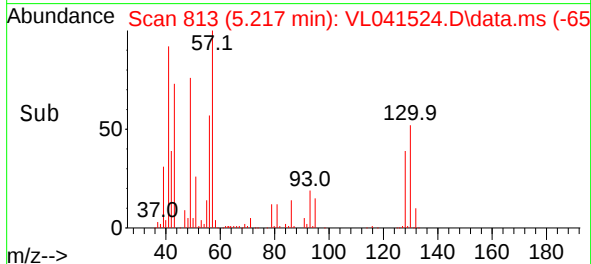
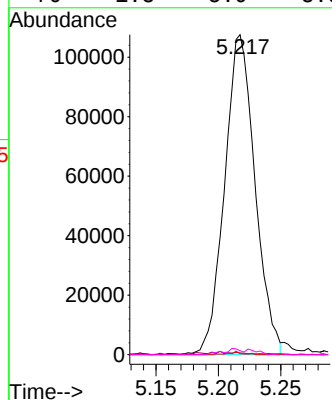
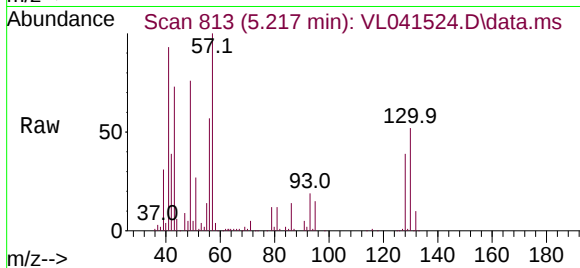
Ion Ratio Lower Upper

43 100

45 1.4 8.5 12.7#

61 0.4 8.0 12.0#

70 1.8 5.9 8.9#



#26

Hexane

Concen: 2.518 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.003 min

Lab File: VL041524.D

Acq: 8 Aug 2024 22:42

Tgt Ion: 57 Resp: 256781

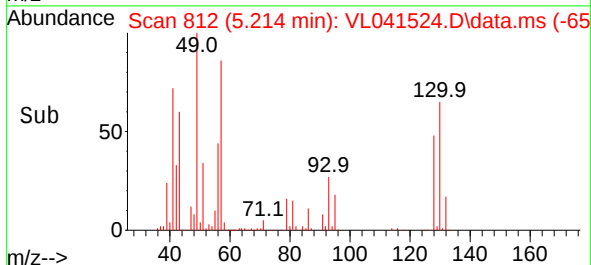
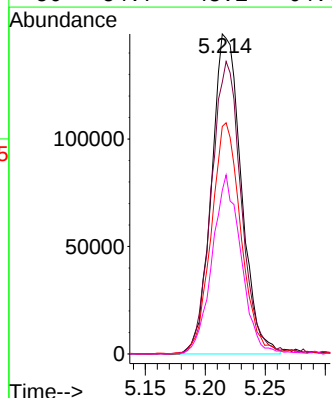
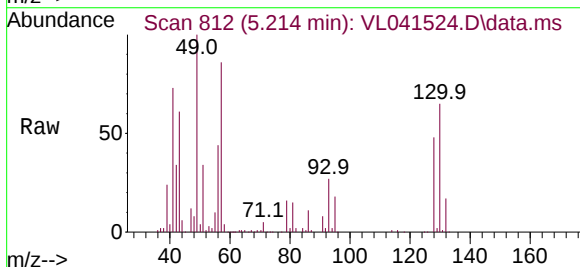
Ion Ratio Lower Upper

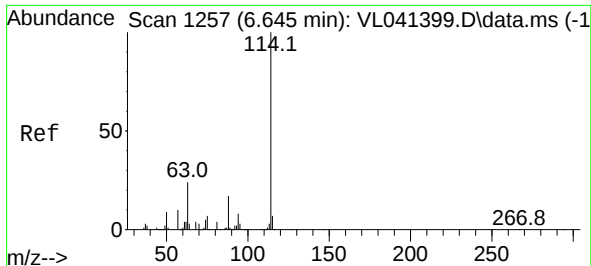
57 100

41 93.6 74.0 111.0

43 72.6 193.6 290.4#

56 54.7 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041524.D

Acq: 8 Aug 2024 22:42

Instrument :

MSVOA_L

ClientSampleId :

B-CSDL

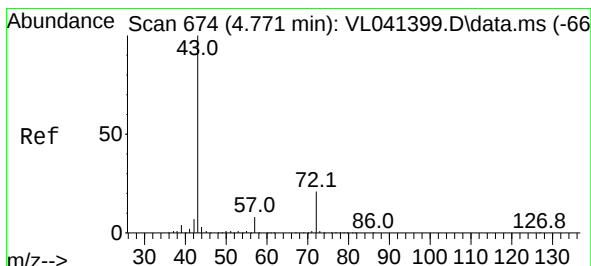
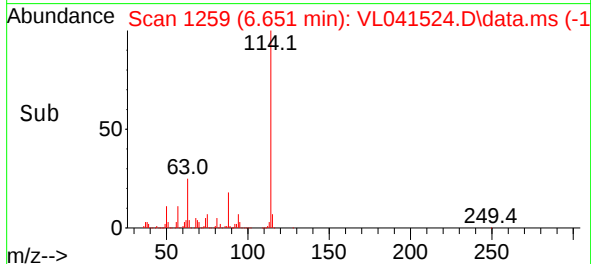
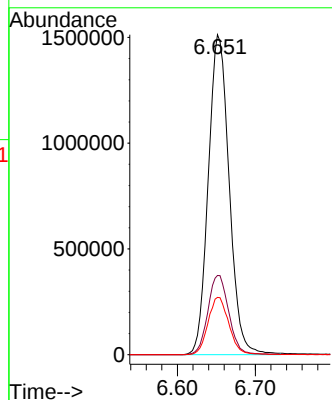
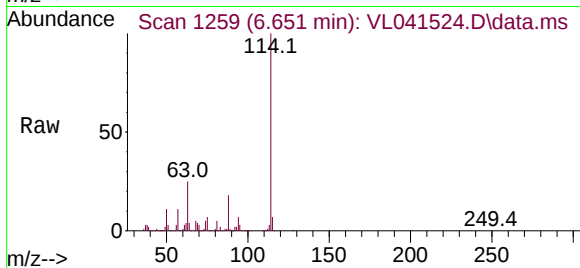
Tgt Ion:114 Resp: 2814389

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 0.090 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.010 min

Lab File: VL041524.D

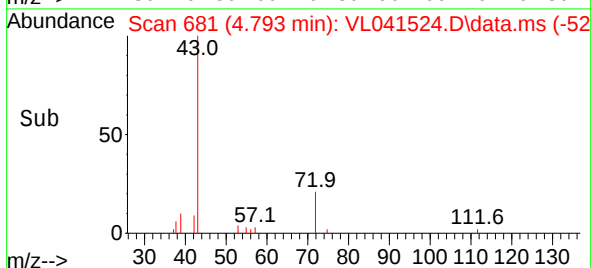
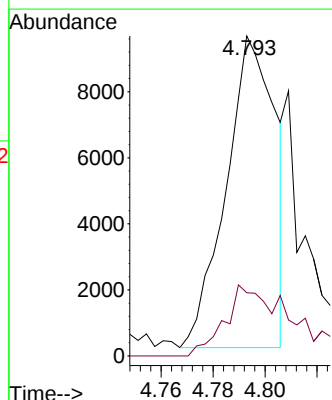
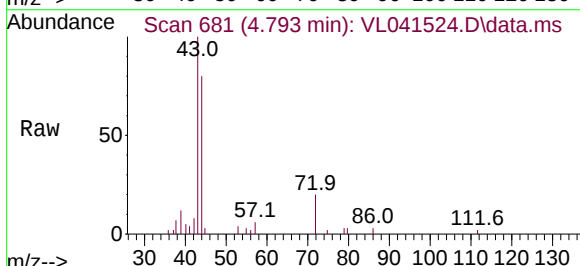
Acq: 8 Aug 2024 22:42

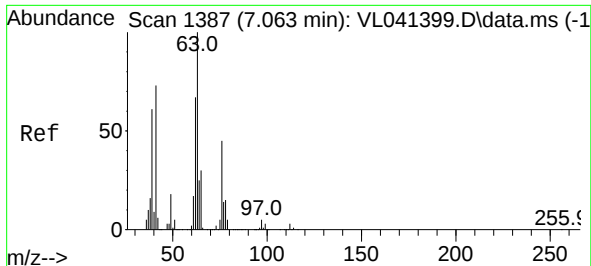
Tgt Ion: 43 Resp: 12318

Ion Ratio Lower Upper

43 100

72 32.1 17.3 25.9#





#39

1,2-Dichloropropane

Concen: 8.844 ppbv

RT: 6.651 min Scan# 1

Delta R.T. -0.418 min

Lab File: VL041524.D

Acq: 8 Aug 2024 22:42

Instrument :

MSVOA_L

ClientSampleId :

B-CSDL

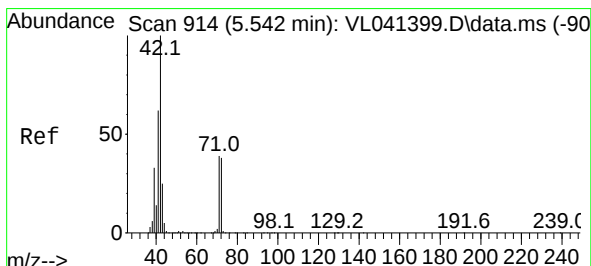
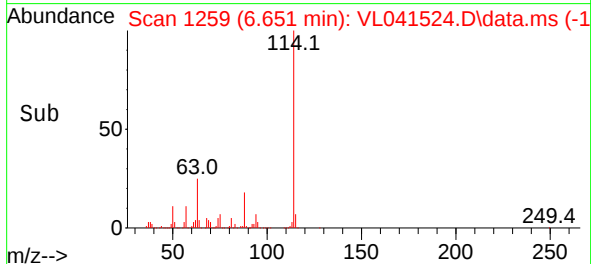
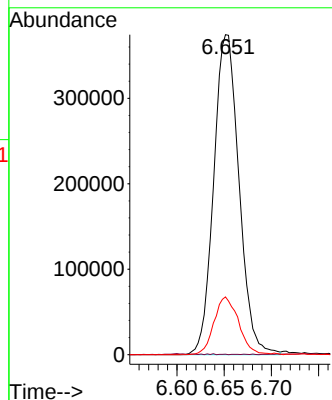
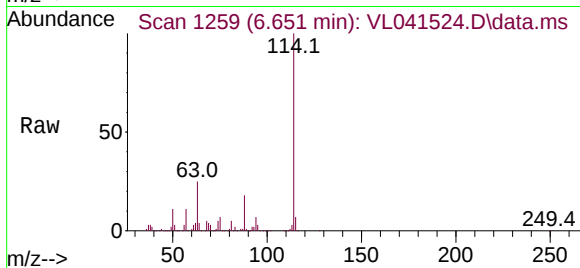
Tgt Ion: 63 Resp: 696271

Ion Ratio Lower Upper

63 100

41 0.1 58.3 87.5#

62 18.0 53.9 80.9#



#41

Tetrahydrofuran

Concen: 1.256 ppbv

RT: 5.214 min Scan# 812

Delta R.T. -0.338 min

Lab File: VL041524.D

Acq: 8 Aug 2024 22:42

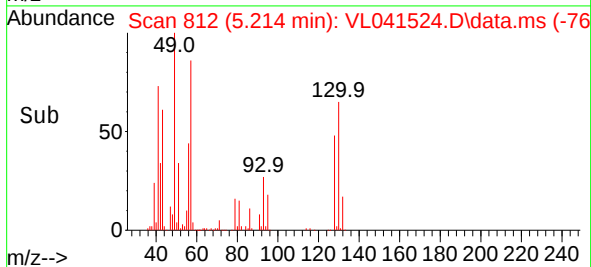
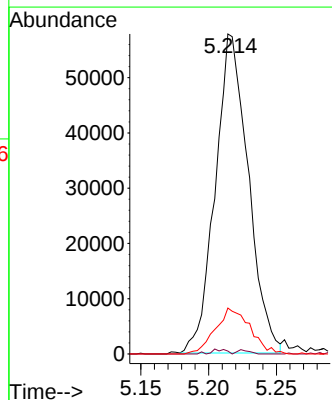
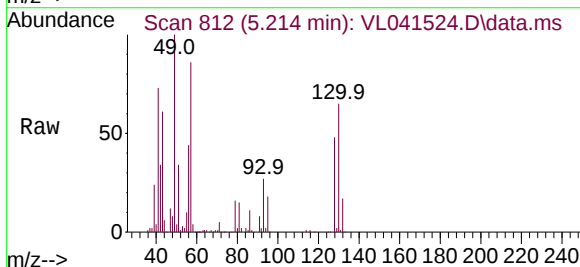
Tgt Ion: 42 Resp: 97801

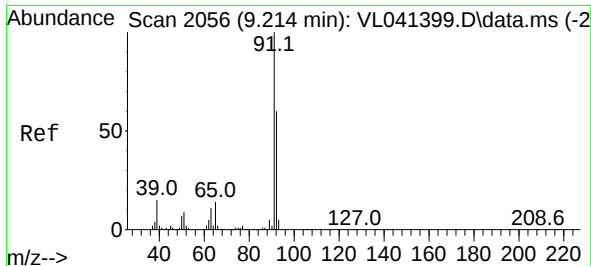
Ion Ratio Lower Upper

42 100

72 1.1 31.2 46.8#

71 15.2 30.5 45.7#





#53

Toluene

Concen: 0.067 ppbv

RT: 9.224 min Scan# 2056

Delta R.T. 0.006 min

Lab File: VL041524.D

Acq: 8 Aug 2024 22:42

Instrument :

MSVOA_L

ClientSampleId :

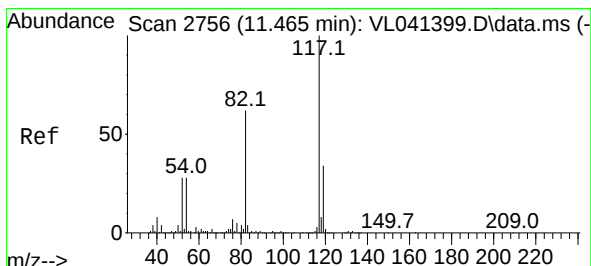
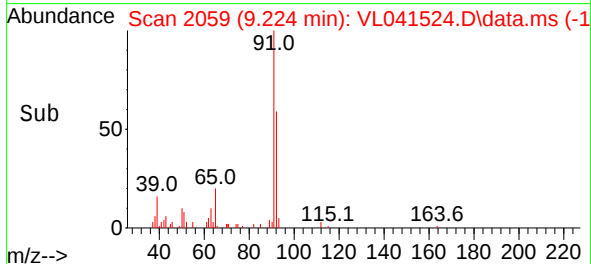
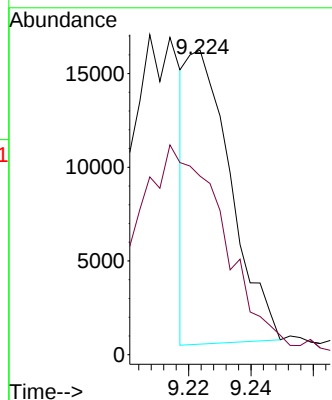
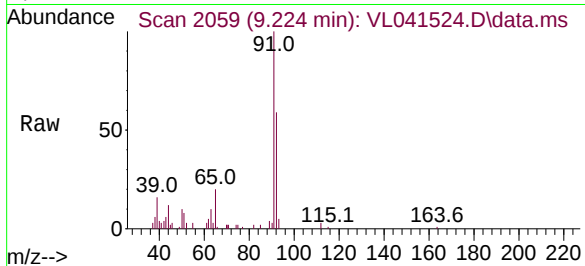
B-CSDL

Tgt Ion: 91 Resp: 15284

Ion Ratio Lower Upper

91 100

92 0.0 48.7 73.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.458 min Scan# 2754

Delta R.T. -0.003 min

Lab File: VL041524.D

Acq: 8 Aug 2024 22:42

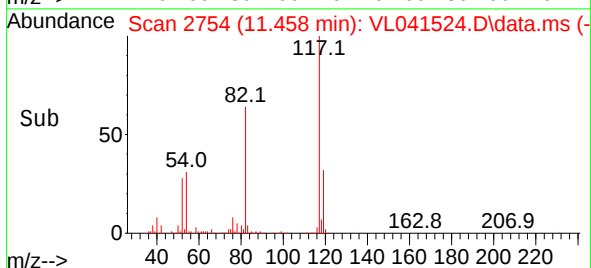
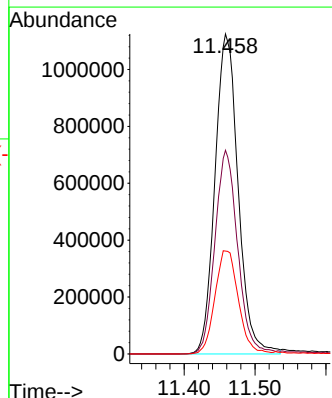
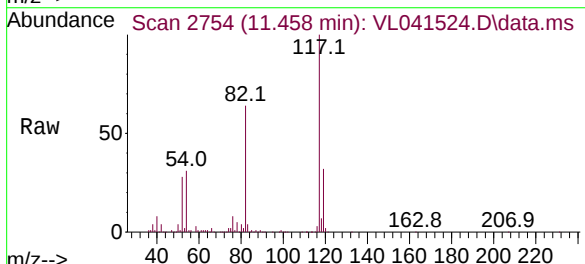
Tgt Ion: 117 Resp: 2555700

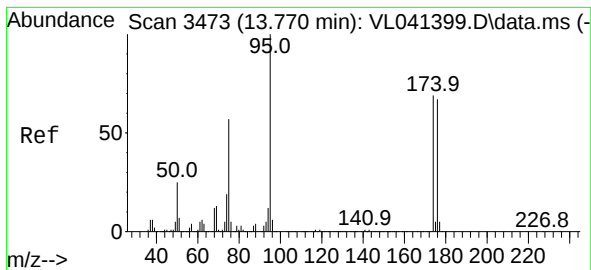
Ion Ratio Lower Upper

117 100

82 64.1 51.0 76.6

119 33.3 45.2 67.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.640 ppbv
 RT: 13.770 min Scan# 3473
 Delta R.T. 0.003 min
 Lab File: VL041524.D
 Acq: 8 Aug 2024 22:42

Instrument :
 MSVOA_L
 ClientSampleId :
 B-CSDL

Tgt Ion: 95 Resp: 1895957
 Ion Ratio Lower Upper
 95 100
 174 72.2 56.3 84.5
 175 5.2 4.0 6.0

